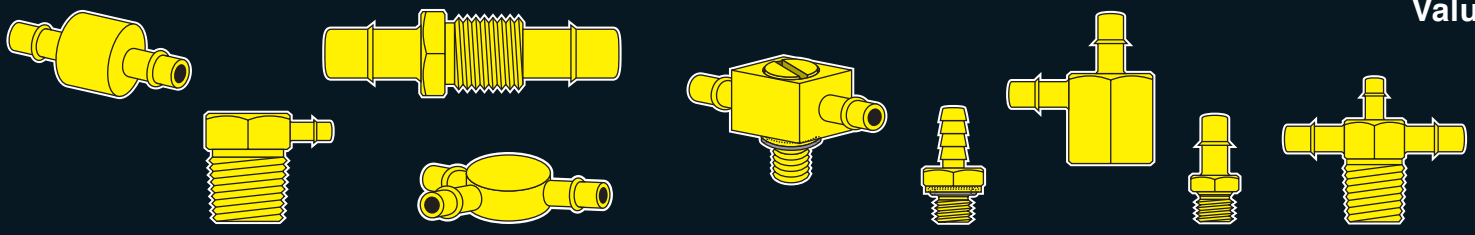
$50.00
Value



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FITTINGS, INC.

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The Original Quick Disconnect Coupling Manufacturer

U.S. CLIP-LOK, inc. a subsidiary of MEM-CO
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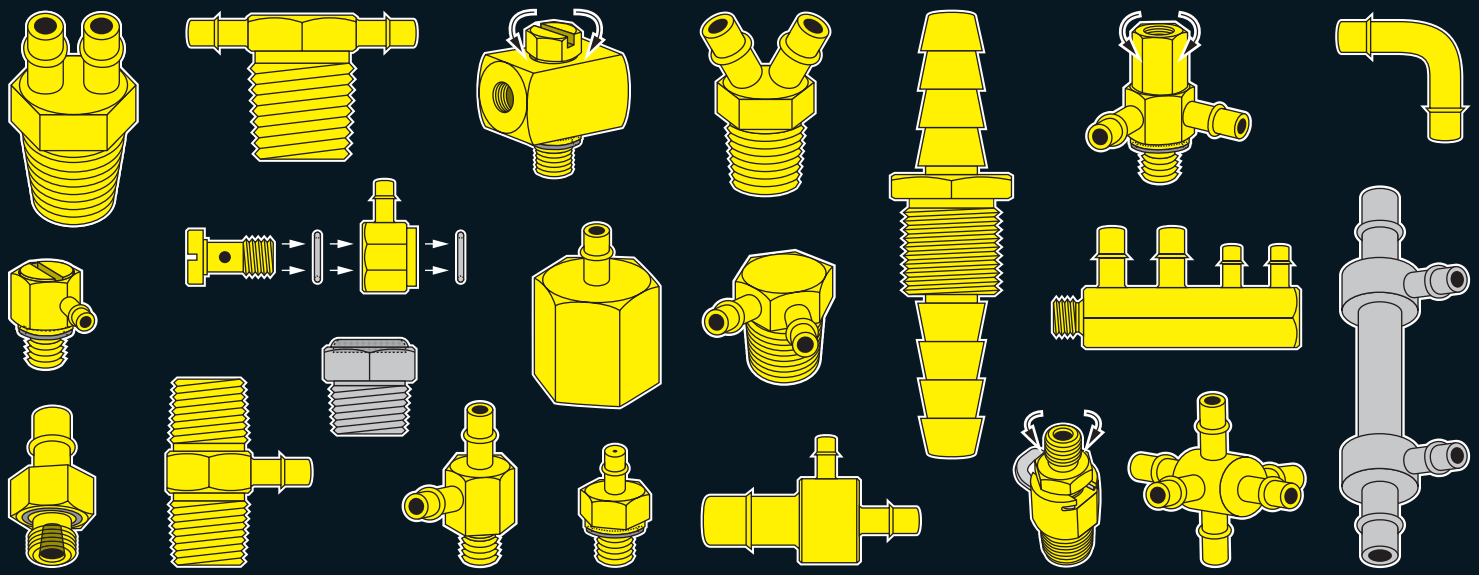
The World's Most Comprehensive Fitting & Adapter Catalog

Air & Fluid Fittings • Manifolds • Adapters • Orifices • Filters in Fittings

Brass • 303 Stainless Steel • 316 Stainless Steel • Aluminum 6061-T6 • Electroless Nickel Plate

NPT • SAE • Metric • BSPT • BSPP • Nano Type / Micro • Many Other Types



MEM-CO FITTINGS INC. • 45 Gigante Drive, Hampstead, NH 03841
Phone: (603) 329-9633 • Fax: (603) 329-4633 • Email: info@mem-co.com • www.mem-co.com

Branch Barb Numbers & Tubing I.D.

Branch Barb #	Tubing I.D.	Hole Thru
.025*	1/50" / 0.5mm	.012"
.031	1/32"	.016"
.040	.040" / 1mm	.028"
.045	3/64"	.035"
.050	.050"	.046"
1	1/16"	.055"
2	5/64"/.078"/2mm	.059"
2 1/2	3/32"	.073"
3	1/8"	.089"
3 1/2	5/32" / 4mm	.104"
4	.170"	.125"
4 1/2	.180"	.140"
5	3/16"	.140"
5 1/2	7/32"	.156"
5 3/4	15/64" / 6mm	.156"

Branch Barb #	Tubing I.D.	Hole Thru
6	1/4"	.177"
7	5/16" / 8mm	.250"
7 1/2	9mm	.264"
8	3/8"	.290"
8 1/2	10mm	.296"
9	7/16"	.312"
9 1/2	12mm	.370"
10	1/2"	.391"
10 1/2	13mm	.410"
10 3/4	16mm	.530"
11	5/8"	.510"
11 1/2	18mm	.590"
11 3/4	19mm	.630"
12	3/4"	.610"

Branch Barb #	Tubing I.D.	Hole Thru
13	20mm	.650"
15	7/8"	*Consult Factory*
15 1/2	25mm	.850"
16	1"	.870"
18	28mm	.970"
19	1 1/8"	*Consult Factory*
20	1 1/4"	1.080"
24	1 1/2"	1.320"
26	1 3/4"	1.575"
32	2"	1.790"
34	2 1/2"	2.280"
36	3"	2.760"
48	4"	3.700"
72	6"	5.560"

.025 branch (1/50" tube I.D.) is available by special request only!

Tube ID's and through holes on larger branch sizes may vary due to the machining process.

Fitting Series / Model Designation Codes

A = Adjustable
B = Straight Male Thread to Tube
BA = Hexless™ Male Threaded Barbs
BK = Bulkhead
BTM = Block Terminal Manifold
C = Coupling, Tube to Tube
  CM = Coupling Manifold
  CML = Coupling Manifold Elbow
D = Delta Fittings (3 Branches)
F = Female Thread
  FB = Straight Female Thread to Tube
  FLB = Female Thread to Tube Elbows
  FHC = Female Hex Coupling
  FLT = Female Thread to Tube L-Tees (2 Branches or Ports at 90° L)
  FM = Female In-Line Manifolds
  FMB = Female Manifold Blanks
  FMM = Female Mixed Barb Manifolds
  FMT = Female Tee Manifold
  FMV = Female V-Tee Manifold (Branches at 60°)
  FRLT = Female Reducing L-Tees (2 Branches at 90° L)
  FRT = Female Thread Reducing Tees
  FT = Female Thread Tees (2 Branches or Female Ports)
FC = Female Coupling
FFM = Flanged Flush-Mount
FP = Flush Plug
FSW = Female Swivel - GT Style
GT = Gra-Tec Series
GV = Gatlin Valve
H = Parallel Run Combinations
HN = Hex Nipple
  HNT = Hex Nipple Tees
  HNX = Hex Nipple Crosses
IM = In-Line (Parallel Run) Manifolds
IRM = In-Line (Parallel) Reducing Manifold
L = Elbow, Tube to Tube (Branch at 90°)
LB = Thread to Tube Elbow
  LB -45° = 45° Elbow (Branch at 45°)
LNW = Aluminum Lockwasher & Nut All-in-One Combination
LT = L-Tee, 2 Branches/Threads at 90° L
M = Manifolds
  MBM = Male Thread Manifold Blanks
  MM = Mixed Barb Manifolds
  MTM = Male Thread Tee Manifold
  MVM = Male Thread V-Tee Manifold (Branches at 60°)
MAN = In-Line Manifolds
MB = Microbore
  MBC = Microbore Coupling Connector
  MBT = 3-Way Microbore Connector
  MBX = 4-Way Microbore Connector
  MBY = Microbore Y Connector
ML, MLT, MT, MX = 10-32 Thread Male to Female Port (F-Series Fittings)
NANO = Smallest fittings made
PGC = Plastic Grip Collar
PN = P-Nose; Aggressive Barb
PTC = Push-to-Connect
PTF = Ferruleless Fittings
R = Reducing
  RB = Reducing Bushing
  RBB = Reducing Bulkhead Bushing
  RBK = Reducing Bulkhead
  RC = Reducing Coupling
  RFHC = Reducing Female Hex Coupling
  RL = Reducing Elbow (Branches at 90°)
  RLT = Thread to Tube Reducing L-Tee
  RT = Reducing Tee
  RVT = Reducing V-Tees; (Branches at 60° Standard)
  RX = Reducing Cross (4 Branches)
  RY = Reducing Y Connections (3 Branches)
RAC = Rod Alignment Compensator/ Coupler
ST = Straight (Couper) Fittings
SW = Swivel
  SW-LB = Swivel Elbows; GT Style
  SWN = Swivel Nipples; GT Style
  SW-T = Swivel Tees
T = Tee / (-3) = (3 Way Tee)
  T90° = Branches at 90°
  Tx3 = Three Branch Tees
UA = Universal Adjustable
VT = 2 Branches; Outlets at 60° (Standard)
  V-Tee -90° = Outlets at 90°
  V-Tee -120° = Outlets at 120°
X = 4 Way Cross
  X x5 = 5 Way Cross
  X x6 = 6 Way Cross
Y = Y Connections; 3 Branches

Product Information

1. *Silver solder joints* are typical on all fabricated Mem-Co fittings.

2. The fittings in this catalog are shown for visual reference only. Dimensions given may vary at the time of manufacturing. **Barb sizes are for tube I.D.'s (inner dimensions).**

3. *Product Material Availability:*

Brass 360-FM • Stainless Steel 303 • Stainless Steel 316
Electroless Nickel Plated Brass • Aluminum 6061-T6

Other Materials Available: **Peek® Amber Polysulfone, Teflon®, etc.**

4. *Seals*

O-Ring Seals

The standard O-Ring material is Buna-N, unless an alternative material is specified.

Optional materials available at an additional cost included: **EPDM, Viton, Silicone, Teflon®,** and **Aflas®.** Other materials maybe available upon request, including **NSF-51 & NSF-61 approved Buna-N, EPDM, Viton,** and **Aflas®,** along with **USP Class VI FDA Silicon** and **Viton O-Rings,** and **USP Class VI FDA White Viton O-Rings.**

Gasket Seals

The standard material supplied is a fibre gasket, unless an alternative material is specified.

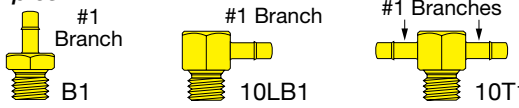
Optional materials available at an additional cost included: **EPDM, Viton, Silicone, Teflon®, Brass,** & **Stainless Steel. Buna-N** gasket may be substituted for fibre gaskets at **no additional cost**; the designation"-**Buna-N**" needs to be added to the end of the part number.

5. *How to Order*

Part numbers are listed in charts that include material options. Visual sample drawings are also included. Line numbers for each row are used to make product cross-referencing easy.

A. Unless otherwise specified, parts will be brass

Examples:



B. For **303 Stainless Steel**: use part # plus suffix "***SS***"
Examples: B1-SS 10LB1-SS 10T1-SS

C. For **316 Stainless Steel**: use part # plus suffix "**-316SS**"
Examples: B1-316SS 10LB1-316SS 10T1-316SS

D. For **Aluminum**: Part # plus suffix "***-AL***"
Examples: B1-AL 10LB1-AL 10T1-AL
To specify Anodized Aluminum, add the following suffixes:
• BL = Blue • R = Red • BLK = Black

E. For **Electroless Nickel Plate**: Part # plus suffix "***-NP***"
Examples: B1-NP 10LB1-NP 10T1-NP

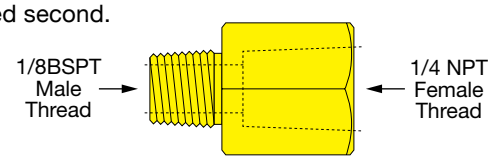
There is no extra cost for Electroless Nickel Plate on most parts.

All nickel plating* (-NP) *is Electroless Nickel Plate!

6. *Developing Part Numbers*

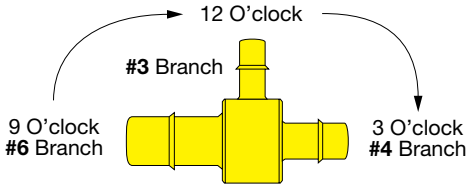
Use the convenient table on the previous page to select the barb numbers (sizes) corresponding to the internal diameters (I.D.) of the plastic tubing being used.

Part numbers are written with male thread first – female thread indicated second.



Example: 1/8BSPTx1/4F (Line # 721, Page 404)

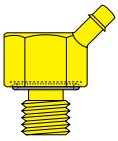
Branch numbers indicate barb sizes. First number designates the branch at the 9:00 O'clock position in the drawing. Other branch numbers follow in a clock-wise direction.



Example: RT6-3-4 (Line # 29, Page 22)

Note: This catalog used the degree symbol (°) as a designation in part numbers. For systems that do not allow the degree symbol (°) to be used, substitute 'DEG' in the part number.

Example: 4-28-LB2-45°-O



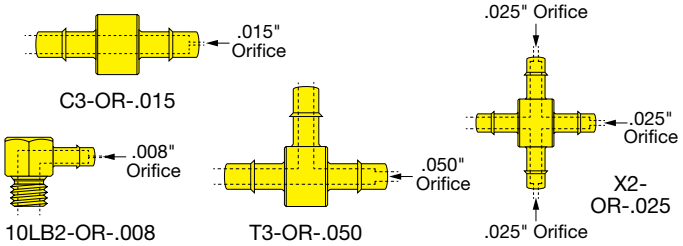
Substitution: 4-28-LB2-45DEG-O

7. *Orifice Fittings*

Many of our small brass and stainless fittings such as C1, C3, B1, B2, T1, T2, etc., are available as orifice fittings. In the case of Tee's, the branch and/or one end of the run may be an orifice. A cross can have as many as three orifices.

ALL PARTS CAN BE ORIFICES. Consult factory for details.

See section G2 for Orifice Fittings.



8. *Other Services*

- **Passivation**
- **Oxygen Cleaning**
- **Gold Plating**
- **Applying Thread Sealants**

The dimensions in this catalog are subject to change without notice. Lead times and minimum quantities may apply on Anodized fittings.

Other Codes Found in this Catalog

CT = Multi-Barb Branch
FAB = Fabricated
LP = Low Profile
OD = Outer Dimension
OR = Orifice
PF = Press Fit
SB = Sintered Bronze
SB-5 = 5 Micron Sintered Bronze Filter
SB-20 = 20 Micron Sintered Bronze Filter
SB-40 = 40 Micron Sintered Bronze Filter
SL = Slim Line
SH = Short Thread (Compared to Standard)
SQ = Square Body
UM = Ultra-Mini

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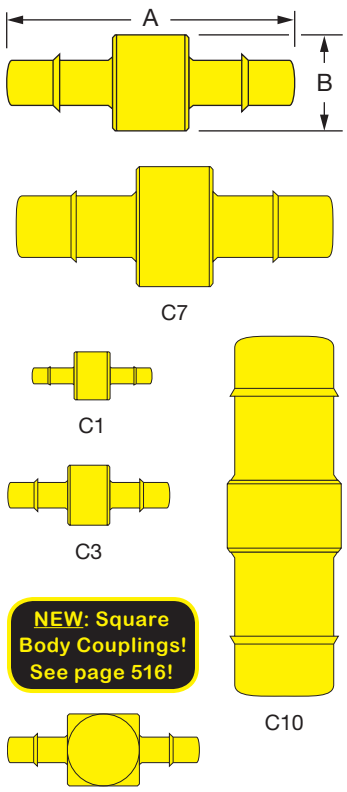
Couplings 1

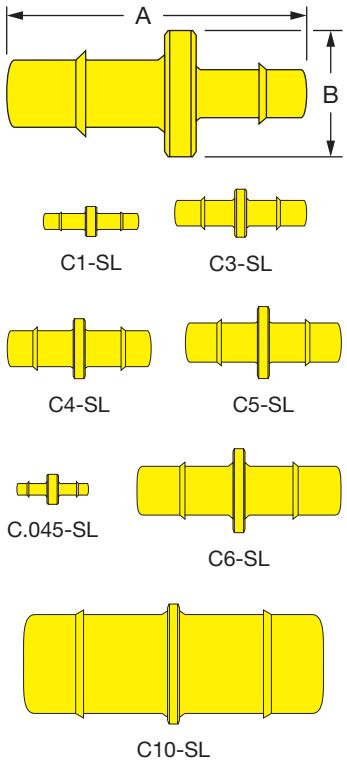


NEW: Square Body Couplings! See page 516!

Couplings with 3/8" Tube ID's or larger are available in various body widths. Consult factory!

Tube ID	Part Numbers					Dimensions (Reference)	
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Dia.
1/32	C.031	C.031-SS	C.031-316SS	C.031-AL	C.031-NP	1/2	1/4
.040 / 1mm	C.040	C.040-SS	C.040-316SS	C.040-AL	C.040-NP	1/2	1/4
3/64	C.045	C.045-SS	C.045-316SS	C.045-AL	C.045-NP	1/2	1/4
.050	C.050	C.050-SS	C.050-316SS	C.050-AL	C.050-NP	1/2	1/4
1/16	C1	C1-SS	C1-316SS	C1-AL	C1-NP	5/8	1/4
5/64 / 2mm	C2	C2-SS	C2-316SS	C2-AL	C2-NP	5/8	1/4
3/32	C2 1/2	C2 1/2-SS	C2 1/2-316SS	C2 1/2-AL	C2 1/2-NP	41/64	9/32
1/8	C3	C3-SS	C3-316SS	C3-AL	C3-NP	27/32	5/16
5/32 / 4mm	C3 1/2	C3 1/2-SS	C3 1/2-316SS	C3 1/2-AL	C3 1/2-NP	27/32	5/16
.170	C4	C4-SS	C4-316SS	C4-AL	C4-NP	15/16	5/16
3/16	C5	C5-SS	C5-316SS	C5-AL	C5-NP	1.00	3/8
7/32	C5 1/2	C5 1/2-SS	C5 1/2-316SS	C5 1/2-AL	C5 1/2-NP	1.00	3/8
6mm	C5 3/4	C5 3/4-SS	C5 3/4-316SS	C5 3/4-AL	C5 3/4-NP	1 5/16	3/8
1/4	C6	C6-SS	C6-316SS	C6-AL	C6-NP	1 5/16	7/16
5/16 / 8mm	C7	C7-SS	C7-316SS	C7-AL	C7-NP	1 21/32	5/8
3/8	C8	C8-SS	C8-316SS	C8-AL	C8-NP	1 33/64	9/16
1/2	C10	C10-SS	C10-316SS	C10-AL	C10-NP	1 7/8	19/32
5/8	C11	C11-SS	C11-316SS	C11-AL	C11-NP	2 1/8	1.00
3/4	C12	C12-SS	C12-316SS	C12-AL	C12-NP	2 1/8	1 1/8

Slim Line Couplings 2



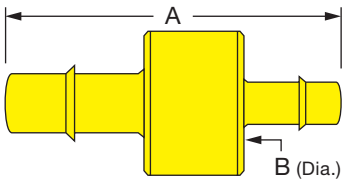
Tube ID	Part Numbers					Dimensions (Reference)	
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Dia.
1/32	C.031-SL	C.031-SL-SS	C.031-SL-316SS	C.031-SL-AL	C.031-SL-NP	3/8	5/32
.040 / 1mm	C.040-SL	C.040-SL-SS	C.040-SL-316SS	C.040-SL-AL	C.040-SL-NP	3/8	5/32
3/64	C.045-SL	C.045-SL-SS	C.045-SL-316SS	C.045-SL-AL	C.045-SL-NP	3/8	5/32
.050	C.050-SL	C.050-SL-SS	C.050-SL-316SS	C.050-SL-AL	C.050-SL-NP	3/8	5/32
1/16	C1-SL	C1-SL-SS	C1-SL-316SS	C1-SL-AL	C1-SL-NP	1/2	5/32
5/64 / 2mm	C2-SL	C2-SL-SS	C2-SL-316SS	C2-SL-AL	C2-SL-NP	1/2	5/32
3/32	C2 1/2-SL	C2 1/2-SL-SS	C2 1/2-SL-316SS	C2 1/2-SL-AL	C2 1/2-SL-NP	1/2	9/32
1/8	C3-SL	C3-SL-SS	C3-SL-316SS	C3-SL-AL	C3-SL-NP	11/16	1/4
5/32 / 4mm	C3 1/2-SL	C3 1/2-SL-SS	C3 1/2-SL-316SS	C3 1/2-SL-AL	C3 1/2-SL-NP	11/16	5/16
.170	C4-SL	C4-SL-SS	C4-SL-316SS	C4-SL-AL	C4-SL-NP	3/4	5/16
3/16	C5-SL	C5-SL-SS	C5-SL-316SS	C5-SL-AL	C5-SL-NP	13/16	3/8
7/32	C5 1/2-SL	C5 1/2-SL-SS	C5 1/2-SL-316SS	C5 1/2-SL-AL	C5 1/2-SL-NP	13/16	3/8
6mm	C5 3/4-SL	C5 3/4-SL-SS	C5 3/4-SL-316SS	C5 3/4-SL-AL	C5 3/4-SL-NP	13/16	3/8
1/4	C6-SL	C6-SL-SS	C6-SL-316SS	C6-SL-AL	C6-SL-NP	1 1/16	7/16
5/16 / 8mm	C7-SL	C7-SL-SS	C7-SL-316SS	C7-SL-AL	C7-SL-NP	1 5/16	5/8
3/8	C8-SL	C8-SL-SS	C8-SL-316SS	C8-SL-AL	C8-SL-NP	1 1/8	7/16
1/2	C10-SL	C10-SL-SS	C10-SL-316SS	C10-SL-AL	C10-SL-NP	1 5/16	3/4
5/8	C11-SL	C11-SL-SS	C11-SL-316SS	C11-SL-AL	C11-SL-NP	2 1/2	1.00
3/4	C12-SL	C12-SL-SS	C12-SL-316SS	C12-SL-AL	C12-SL-NP	2 1/2	1 1/8

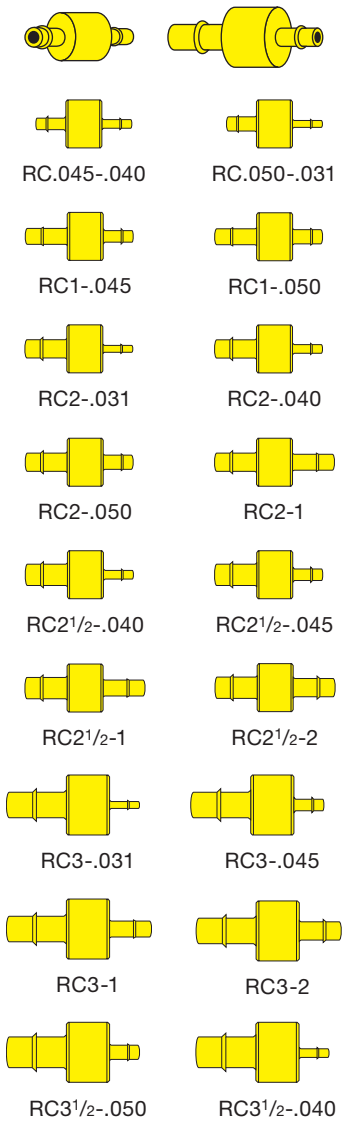
Note: *Images are for visual representation only; not intended for dimensional measurements.*

3 Reducing Couplings

A

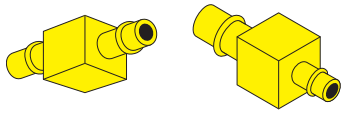
Tube ID		Part Numbers					Dimensions (Reference)	
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Dia.
.040 / 1mm	1/32	RC.040-.031	RC.040-.031-SS	RC.040-.031-316SS	RC.040-.031-AL	RC.040-.031-NP	1/2	1/4
3/64	1/32	RC.045-.031	RC.045-.031-SS	RC.045-.031-316SS	RC.045-.031-AL	RC.045-.031-NP	1/2	1/4
3/64	.040 / 1mm	RC.045-.040	RC.045-.040-SS	RC.045-.040-316SS	RC.045-.040-AL	RC.045-.040-NP	1/2	1/4
.050	1/32	RC.050-.031	RC.050-.031-SS	RC.050-.031-316SS	RC.050-.031-AL	RC.050-.031-NP	1/2	1/4
.050	.040 / 1mm	RC.050-.040	RC.050-.040-SS	RC.050-.040-316SS	RC.050-.040-AL	RC.050-.040-NP	1/2	1/4
.050	1/64	RC.050-.045	RC.050-.045-SS	RC.050-.045-316SS	RC.050-.045-AL	RC.050-.045-NP	1/2	1/4
1/16	1/32	RC1-.031	RC1-.031-SS	RC1-.031-316SS	RC1-.031-AL	RC1-.031-NP	5/8	1/4
1/16	.040 / 1mm	RC1-.040	RC1-.040-SS	RC1-.040-316SS	RC1-.040-AL	RC1-.040-NP	5/8	1/4
1/16	3/64	RC1-.045	RC1-.045-SS	RC1-.045-316SS	RC1-.045-AL	RC1-.045-NP	5/8	1/4
1/16	.050	RC1-.050	RC1-.050-SS	RC1-.050-316SS	RC1-.050-AL	RC1-.050-NP	5/8	1/4
5/64 / 2mm	1/32	RC2-.031	RC2-.031-SS	RC2-.031-316SS	RC2-.031-AL	RC2-.031-NP	5/8	1/4
5/64 / 2mm	.040 / 1mm	RC2-.040	RC2-.040-SS	RC2-.040-316SS	RC2-.040-AL	RC2-.040-NP	5/8	1/4
5/64 / 2mm	3/64	RC2-.045	RC2-.045-SS	RC2-.045-316SS	RC2-.045-AL	RC2-.045-NP	5/8	1/4
5/64 / 2mm	.050	RC2-.050	RC2-.050-SS	RC2-.050-316SS	RC2-.050-AL	RC2-.050-NP	5/8	1/4
5/64 / 2mm	1/16	RC2-1	RC2-1-SS	RC2-1-316SS	RC2-1-AL	RC2-1-NP	5/8	1/4
3/32	1/32	RC2 1/2-.031	RC2 1/2-.031-SS	RC2 1/2-.031-316SS	RC2 1/2-.031-AL	RC2 1/2-.031-NP	5/8	9/32
3/32	.040 / 1mm	RC2 1/2-.040	RC2 1/2-.040-SS	RC2 1/2-.040-316SS	RC2 1/2-.040-AL	RC2 1/2-.040-NP	5/8	9/32
3/32	3/64	RC2 1/2-.045	RC2 1/2-.045-SS	RC2 1/2-.045-316SS	RC2 1/2-.045-AL	RC2 1/2-.045-NP	5/8	9/32
3/32	.050	RC2 1/2-.050	RC2 1/2-.050-SS	RC2 1/2-.050-316SS	RC2 1/2-.050-AL	RC2 1/2-.050-NP	5/8	9/32
3/32	1/16	RC2 1/2-1	RC2 1/2-1-SS	RC2 1/2-1-316SS	RC2 1/2-1-AL	RC2 1/2-1-NP	41/64	9/32
3/32	5/64 / 2mm	RC2 1/2-2	RC2 1/2-2-SS	RC2 1/2-2-316SS	RC2 1/2-2-AL	RC2 1/2-2-NP	41/64	9/32
1/8	1/32	RC3-.031	RC3-.031-SS	RC3-.031-316SS	RC3-.031-AL	RC3-.031-NP	11/16	5/16
1/8	.040 / 1mm	RC3-.040	RC3-.040-SS	RC3-.040-316SS	RC3-.040-AL	RC3-.040-NP	11/16	5/16
1/8	3/64	RC3-.045	RC3-.045-SS	RC3-.045-316SS	RC3-.045-AL	RC3-.045-NP	11/16	5/16
1/8	.050	RC3-.050	RC3-.050-SS	RC3-.050-316SS	RC3-.050-AL	RC3-.050-NP	11/16	5/16
1/8	1/16	RC3-1	RC3-1-SS	RC3-1-316SS	RC3-1-AL	RC3-1-NP	3/4	5/16
1/8	5/64 / 2mm	RC3-2	RC3-2-SS	RC3-2-316SS	RC3-2-AL	RC3-2-NP	3/4	5/16
1/8	3/32	RC3-2 1/2	RC3-2 1/2-SS	RC3-2 1/2-316SS	RC3-2 1/2-AL	RC3-2 1/2-NP	3/4	5/16
5/32	1/32	RC3 1/2-.031	RC3 1/2-.031-SS	RC3 1/2-.031-316SS	RC3 1/2-.031-AL	RC3 1/2-.031-NP	11/16	5/16
5/32	.040 / 1mm	RC3 1/2-.040	RC3 1/2-.040-SS	RC3 1/2-.040-316SS	RC3 1/2-.040-AL	RC3 1/2-.040-NP	11/16	5/16
5/32	3/64	RC3 1/2-.045	RC3 1/2-.045-SS	RC3 1/2-.045-316SS	RC3 1/2-.045-AL	RC3 1/2-.045-NP	11/16	5/16
5/32	.050	RC3 1/2-.050	RC3 1/2-.050-SS	RC3 1/2-.050-316SS	RC3 1/2-.050-AL	RC3 1/2-.050-NP	11/16	5/16



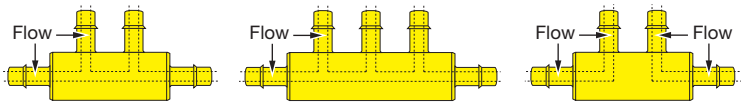


Continued on next page.

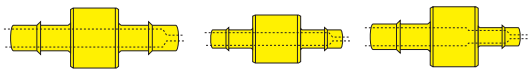
NEW: Square Body Couplings! See page 516 for details!



Coupling Manifolds also available! See pages 502-503!

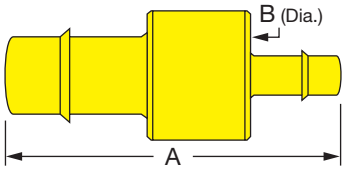


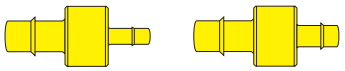
Orifice options available! See page 440!

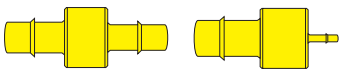


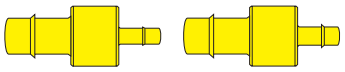
A

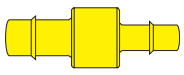
Reducing Couplings (cont.) 4

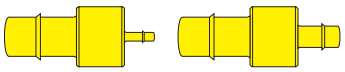


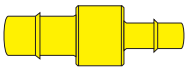

RC3½-1 RC3½-2½

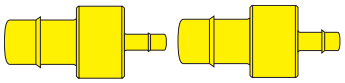

RC3½-3 RC4-.031

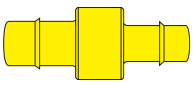

RC4-1 RC4-2

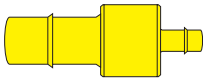

RC4-3

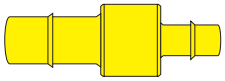

RC5-.040 RC5-2½

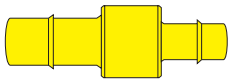

RC5-3


RC5½-1 RC5½-2


RC5½-4

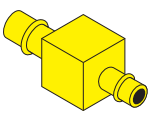

RC5¾-2½


RC5¾-3½


RC5¾-4

Continued on next page.

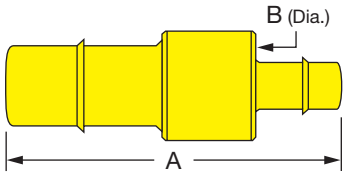
NEW: Square Body Reducing Couplings! See page 516!

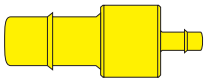


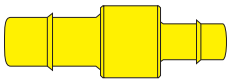
Tube ID		Part Numbers					Dimensions (Reference)	
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Dia.
5/32	1/16	RC3½-1	RC3½-1-SS	RC3½-1-316SS	RC3½-1-AL	RC3½-1-NP	3/4	5/16
5/32	5/64 / 2mm	RC3½-2	RC3½-2-SS	RC3½-2-316SS	RC3½-2-AL	RC3½-2-NP	3/4	5/16
5/32	3/32	RC3½-2½	RC3½-2½-SS	RC3½-2½-316SS	RC3½-2½-AL	RC3½-2½-NP	3/4	5/16
5/32	1/8	RC3½-3	RC3½-3-SS	RC3½-3-316SS	RC3½-3-AL	RC3½-3-NP	27/32	5/16
.170	1/32	RC4-.031	RC4-.031-SS	RC4-.031-316SS	RC4-.031-AL	RC4-.031-NP	23/32	5/16
.170	.040 / 1mm	RC4-.040	RC4-.040-SS	RC4-.040-316SS	RC4-.040-AL	RC4-.040-NP	23/32	5/16
.170	3/64	RC4-.045	RC4-.045-SS	RC4-.045-316SS	RC4-.045-AL	RC4-.045-NP	23/32	5/16
.170	.050	RC4-.050	RC4-.050-SS	RC4-.050-316SS	RC4-.050-AL	RC4-.050-NP	23/32	5/16
.170	1/16	RC4-1	RC4-1-SS	RC4-1-316SS	RC4-1-AL	RC4-1-NP	13/16	5/16
.170	5/64 / 2mm	RC4-2	RC4-2-SS	RC4-2-316SS	RC4-2-AL	RC4-2-NP	13/16	5/16
.170	3/32	RC4-2½	RC4-2½-SS	RC4-2½-316SS	RC4-2½-AL	RC4-2½-NP	13/16	5/16
.170	1/8	RC4-3	RC4-3-SS	RC4-3-316SS	RC4-3-AL	RC4-3-NP	29/32	5/16
.170	5/32 / 4mm	RC4-3½	RC4-3½-SS	RC4-3½-316SS	RC4-3½-AL	RC4-3½-NP	29/32	5/16
3/16	1/32	RC5-.031	RC5-.031-SS	RC5-.031-316SS	RC5-.031-AL	RC5-.031-NP	25/32	5/16
3/16	.040 / 1mm	RC5-.040	RC5-.040-SS	RC5-.040-316SS	RC5-.040-AL	RC5-.040-NP	25/32	5/16
3/16	3/64	RC5-.045	RC5-.045-SS	RC5-.045-316SS	RC5-.045-AL	RC5-.045-NP	25/32	5/16
3/16	.050	RC5-.050	RC5-.050-SS	RC5-.050-316SS	RC5-.050-AL	RC5-.050-NP	25/32	5/16
3/16	1/16	RC5-1	RC5-1-SS	RC5-1-316SS	RC5-1-AL	RC5-1-NP	27/32	5/16
3/16	5/64 / 2mm	RC5-2	RC5-2-SS	RC5-2-316SS	RC5-2-AL	RC5-2-NP	27/32	5/16
3/16	3/32	RC5-2½	RC5-2½-SS	RC5-2½-316SS	RC5-2½-AL	RC5-2½-NP	27/32	5/16
3/16	1/8	RC5-3	RC5-3-SS	RC5-3-316SS	RC5-3-AL	RC5-3-NP	15/16	5/16
3/16	5/32 / 4mm	RC5-3½	RC5-3½-SS	RC5-3½-316SS	RC5-3½-AL	RC5-3½-NP	15/16	5/16
3/16	.170	RC5-4	RC5-4-SS	RC5-4-316SS	RC5-4-AL	RC5-4-NP	31/32	5/16
7/32	1/16	RC5½-1	RC5½-1-SS	RC5½-1-316SS	RC5½-1-AL	RC5½-1-NP	27/32	3/8
7/32	5/64 / 2mm	RC5½-2	RC5½-2-SS	RC5½-2-316SS	RC5½-2-AL	RC5½-2-NP	27/32	3/8
7/32	3/32	RC5½-2½	RC5½-2½-SS	RC5½-2½-316SS	RC5½-2½-AL	RC5½-2½-NP	27/32	3/8
7/32	1/8	RC5½-3	RC5½-3-SS	RC5½-3-316SS	RC5½-3-AL	RC5½-3-NP	15/16	3/8
7/32	5/32 / 4mm	RC5½-3½	RC5½-3½-SS	RC5½-3½-316SS	RC5½-3½-AL	RC5½-3½-NP	15/16	3/8
7/32	.170	RC5½-4	RC5½-4-SS	RC5½-4-316SS	RC5½-4-AL	RC5½-4-NP	31/32	3/8
7/32	3/16	RC5½-5	RC5½-5-SS	RC5½-5-316SS	RC5½-5-AL	RC5½-5-NP	1.00	3/8
6mm	1/16	RC5¾-1	RC5¾-1-SS	RC5¾-1-316SS	RC5¾-1-AL	RC5¾-1-NP	1 1/32	3/8
6mm	5/64 / 2mm	RC5¾-2	RC5¾-2-SS	RC5¾-2-316SS	RC5¾-2-AL	RC5¾-2-NP	1 1/32	3/8
6mm	3/32	RC5¾-2½	RC5¾-2½-SS	RC5¾-2½-316SS	RC5¾-2½-AL	RC5¾-2½-NP	1 1/32	3/8
6mm	1/8	RC5¾-3	RC5¾-3-SS	RC5¾-3-316SS	RC5¾-3-AL	RC5¾-3-NP	1 1/8	3/8
6mm	5/32 / 4mm	RC5¾-3½	RC5¾-3½-SS	RC5¾-3½-316SS	RC5¾-3½-AL	RC5¾-3½-NP	1 1/8	3/8
6mm	.170	RC5¾-4	RC5¾-4-SS	RC5¾-4-316SS	RC5¾-4-AL	RC5¾-4-NP	1 3/32	3/8

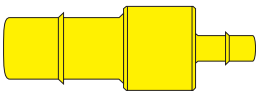
5 Reducing Couplings (cont.) A

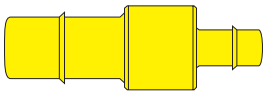
Tube ID		Part Numbers					Dimensions (Reference)	
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Dia.
6mm	3/16	RC5 3/4-5	RC5 3/4-5-SS	RC5 3/4-5-316SS	RC5 3/4-5-AL	RC5 3/4-5-NP	1 3/16	3/8
6mm	7/32	RC5 3/4-5 1/2	RC5 3/4-5 1/2-SS	RC5 3/4-5 1/2-316SS	RC5 3/4-5 1/2-AL	RC5 3/4-5 1/2-NP	1 3/16	3/8
1/4	1/16	RC6-1	RC6-1-SS	RC6-1-316SS	RC6-1-AL	RC6-1-NP	1 1/32	3/8
1/4	5/64 / 2mm	RC6-2	RC6-2-SS	RC6-2-316SS	RC6-2-AL	RC6-2-NP	1 1/32	3/8
1/4	3/32	RC6-2 1/2	RC6-2 1/2-SS	RC6-2 1/2-316SS	RC6-2 1/2-AL	RC6-2 1/2-NP	1 1/32	3/8
1/4	1/8	RC6-3	RC6-3-SS	RC6-3-316SS	RC6-3-AL	RC6-3-NP	1 1/8	3/8
1/4	5/32 / 4mm	RC6-3 1/2	RC6-3 1/2-SS	RC6-3 1/2-316SS	RC6-3 1/2-AL	RC6-3 1/2-NP	1 1/8	3/8
1/4	.170	RC6-4	RC6-4-SS	RC6-4-316SS	RC6-4-AL	RC6-4-NP	1 3/32	3/8
1/4	3/16	RC6-5	RC6-5-SS	RC6-5-316SS	RC6-5-AL	RC6-5-NP	1 3/16	3/8
1/4	7/32	RC6-5 1/2	RC6-5 1/2-SS	RC6-5 1/2-316SS	RC6-5 1/2-AL	RC6-5 1/2-NP	1 3/16	3/8
1/4	6mm	RC6-5 3/4	RC6-5 3/4-SS	RC6-5 3/4-316SS	RC6-5 3/4-AL	RC6-5 3/4-NP	1 7/16	3/8
5/16 / 8mm	1/16	RC7-1	RC7-1-SS	RC7-1-316SS	RC7-1-AL	RC7-1-NP	1 5/32	7/16
5/16 / 8mm	5/64 / 2mm	RC7-2	RC7-2-SS	RC7-2-316SS	RC7-2-AL	RC7-2-NP	1 5/32	7/16
5/16 / 8mm	3/32	RC7-2 1/2	RC7-2 1/2-SS	RC7-2 1/2-316SS	RC7-2 1/2-AL	RC7-2 1/2-NP	1 5/32	7/16
5/16 / 8mm	1/8	RC7-3	RC7-3-SS	RC7-3-316SS	RC7-3-AL	RC7-3-NP	1 1/4	7/16
5/16 / 8mm	5/32 / 4mm	RC7-3 1/2	RC7-3 1/2-SS	RC7-3 1/2-316SS	RC7-3 1/2-AL	RC7-3 1/2-NP	1 1/4	7/16
5/16 / 8mm	.170	RC7-4	RC7-4-SS	RC7-4-316SS	RC7-4-AL	RC7-4-NP	1 9/32	7/16
5/16 / 8mm	3/16	RC7-5	RC7-5-SS	RC7-5-316SS	RC7-5-AL	RC7-5-NP	1 5/16	7/16
5/16 / 8mm	7/32	RC7-5 1/2	RC7-5 1/2-SS	RC7-5 1/2-316SS	RC7-5 1/2-AL	RC7-5 1/2-NP	1 5/16	7/16
5/16 / 8mm	6mm	RC7-5 3/4	RC7-5 3/4-SS	RC7-5 3/4-316SS	RC7-5 3/4-AL	RC7-5 3/4-NP	1 7/16	7/16
5/16 / 8mm	1/4	RC7-6	RC7-6-SS	RC7-6-316SS	RC7-6-AL	RC7-6-NP	1 7/16	7/16
3/8	1/16	RC8-1	RC8-1-SS	RC8-1-316SS	RC8-1-AL	RC8-1-NP	1 1/4	5/8
3/8	5/64 / 2mm	RC8-2	RC8-2-SS	RC8-2-316SS	RC8-2-AL	RC8-2-NP	1 1/4	5/8
3/8	3/32	RC8-2 1/2	RC8-2 1/2-SS	RC8-2 1/2-316SS	RC8-2 1/2-AL	RC8-2 1/2-NP	1 1/4	5/8
3/8	1/8	RC8-3	RC8-3-SS	RC8-3-316SS	RC8-3-AL	RC8-3-NP	1 11/32	5/8
3/8	5/32 / 4mm	RC8-3 1/2	RC8-3 1/2-SS	RC8-3 1/2-316SS	RC8-3 1/2-AL	RC8-3 1/2-NP	1 11/32	5/8
3/8	.170	RC8-4	RC8-4-SS	RC8-4-316SS	RC8-4-AL	RC8-4-NP	1 3/8	5/8
3/8	3/16	RC8-5	RC8-5-SS	RC8-5-316SS	RC8-5-AL	RC8-5-NP	1 13/32	5/8
3/8	7/32	RC8-5 1/2	RC8-5 1/2-SS	RC8-5 1/2-316SS	RC8-5 1/2-AL	RC8-5 1/2-NP	1 13/32	5/8
3/8	6mm	RC8-5 3/4	RC8-5 3/4-SS	RC8-5 3/4-316SS	RC8-5 3/4-AL	RC8-5 3/4-NP	1 17/32	5/8
3/8	1/4	RC8-6	RC8-6-SS	RC8-6-316SS	RC8-6-AL	RC8-6-NP	1 17/32	5/8
3/8	5/16 / 8mm	RC8-7	RC8-7-SS	RC8-7-316SS	RC8-7-AL	RC8-7-NP	1 13/32	5/8
1/2	1/16	RC10-1	RC10-1-SS	RC10-1-316SS	RC10-1-AL	RC10-1-NP	1 17/32	5/8
1/2	5/64 / 2mm	RC10-2	RC10-2-SS	RC10-2-316SS	RC10-2-AL	RC10-2-NP	1 17/32	5/8
1/2	3/32	RC10-2 1/2	RC10-2 1/2-SS	RC10-2 1/2-316SS	RC10-2 1/2-AL	RC10-2 1/2-NP	1 17/32	5/8
1/2	1/8	RC10-3	RC10-3-SS	RC10-3-316SS	RC10-3-AL	RC10-3-NP	1 5/8	5/8

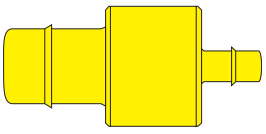


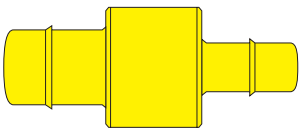

RC6-2

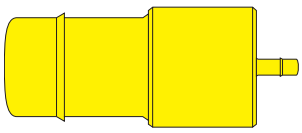

RC6-4

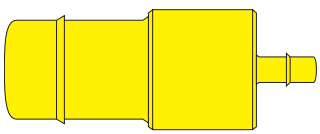

RC7-3


RC7-4


RC8-3 1/2

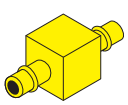

RC8-6

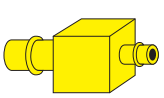

RC10-1


RC10-3

Continued on next page.

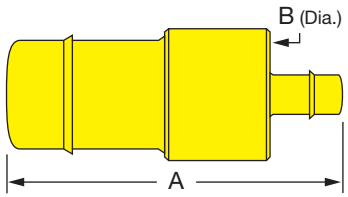
NEW: Square Body Couplings and Reducing Couplings! See page 516!

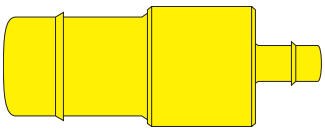




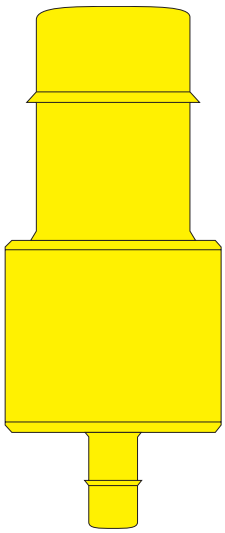
A

Reducing Couplings (cont.) 6

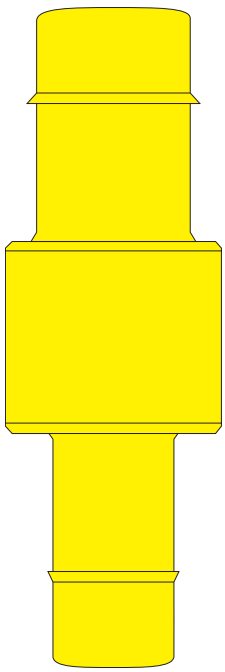




RC10-4



RC12-6



RC12-11

Tube ID		Part Numbers					Dimensions (Reference)	
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Dia.
1/2	5/32 / 4mm	RC10-3 1/2	RC10-3 1/2-SS	RC10-3 1/2-316SS	RC10-3 1/2-AL	RC10-3 1/2-NP	1 5/8	5/8
1/2	.170	RC10-4	RC10-4-SS	RC10-4-316SS	RC10-4-AL	RC10-4-NP	1 23/32	5/8
1/2	3/16	RC10-5	RC10-5-SS	RC10-5-316SS	RC10-5-AL	RC10-5-NP	1 9/16	5/8
1/2	7/32	RC10-5 1/2	RC10-5 1/2-SS	RC10-5 1/2-316SS	RC10-5 1/2-AL	RC10-5 1/2-NP	1 9/16	5/8
1/2	6mm	RC10-5 3/4	RC10-5 3/4-SS	RC10-5 3/4-316SS	RC10-5 3/4-AL	RC10-5 3/4-NP	1 3/4	5/8
1/2	1/4	RC10-6	RC10-6-SS	RC10-6-316SS	RC10-6-AL	RC10-6-NP	1 3/4	5/8
1/2	5/16 / 8mm	RC10-7	RC10-7-SS	RC10-7-316SS	RC10-7-AL	RC10-7-NP	2	5/8
1/2	3/8	RC10-8	RC10-8-SS	RC10-8-316SS	RC10-8-AL	RC10-8-NP	1 27/32	5/8
5/8	1/16	RC11-1	RC11-1-SS	RC11-1-316SS	RC11-1-AL	RC11-1-NP	Consult Factory	Consult Factory
5/8	5/64 / 2mm	RC11-2	RC11-2-SS	RC11-2-316SS	RC11-2-AL	RC11-2-NP		
5/8	3/32	RC11-2 1/2	RC11-2 1/2-SS	RC11-2 1/2-316SS	RC11-2 1/2-AL	RC11-2 1/2-NP		
5/8	1/8	RC11-3	RC11-3-SS	RC11-3-316SS	RC11-3-AL	RC11-3-NP		
5/8	5/32 / 4mm	RC11-3 1/2	RC11-3 1/2-SS	RC11-3 1/2-316SS	RC11-3 1/2-AL	RC11-3 1/2-NP		
5/8	.170	RC11-4	RC11-4-SS	RC11-4-316SS	RC11-4-AL	RC11-4-NP		
5/8	3/16	RC11-5	RC11-5-SS	RC11-5-316SS	RC11-5-AL	RC11-5-NP		
5/8	7/32	RC11-5 1/2	RC11-5 1/2-SS	RC11-5 1/2-316SS	RC11-5 1/2-AL	RC11-5 1/2-NP		
5/8	6mm	RC11-5 3/4	RC11-5 3/4-SS	RC11-5 3/4-316SS	RC11-5 3/4-AL	RC11-5 3/4-NP		
5/8	1/4	RC11-6	RC11-6-SS	RC11-6-316SS	RC11-6-AL	RC11-6-NP		
5/8	5/16 / 8mm	RC11-7	RC11-7-SS	RC11-7-316SS	RC11-7-AL	RC11-7-NP		
5/8	3/8	RC11-8	RC11-8-SS	RC11-8-316SS	RC11-8-AL	RC11-8-NP		
5/8	1/2	RC11-10	RC11-10-SS	RC11-10-316SS	RC11-10-AL	RC11-10-NP		
3/4	1/16	RC12-1	RC12-1-SS	RC12-1-316SS	RC12-1-AL	RC12-1-NP		
3/4	5/64 / 2mm	RC12-2	RC12-2-SS	RC12-2-316SS	RC12-2-AL	RC12-2-NP		
3/4	3/32	RC12-2 1/2	RC12-2 1/2-SS	RC12-2 1/2-316SS	RC12-2 1/2-AL	RC12-2 1/2-NP		
3/4	1/8	RC12-3	RC12-3-SS	RC12-3-316SS	RC12-3-AL	RC12-3-NP		
3/4	5/32 / 4mm	RC12-3 1/2	RC12-3 1/2-SS	RC12-3 1/2-316SS	RC12-3 1/2-AL	RC12-3 1/2-NP		
3/4	.170	RC12-4	RC12-4-SS	RC12-4-316SS	RC12-4-AL	RC12-4-NP		
3/4	3/16	RC12-5	RC12-5-SS	RC12-5-316SS	RC12-5-AL	RC12-5-NP		
3/4	7/32	RC12-5 1/2	RC12-5 1/2-SS	RC12-5 1/2-316SS	RC12-5 1/2-AL	RC12-5 1/2-NP		
3/4	6mm	RC12-5 3/4	RC12-5 3/4-SS	RC12-5 3/4-316SS	RC12-5 3/4-AL	RC12-5 3/4-NP		
3/4	1/4	RC12-6	RC12-6-SS	RC12-6-316SS	RC12-6-AL	RC12-6-NP		
3/4	5/16 / 8mm	RC12-7	RC12-7-SS	RC12-7-316SS	RC12-7-AL	RC12-7-NP		
3/4	3/8	RC12-8	RC12-8-SS	RC12-8-316SS	RC12-8-AL	RC12-8-NP		
3/4	1/2	RC12-10	RC12-10-SS	RC12-10-316SS	RC12-10-AL	RC12-10-NP		
3/4	5/8	RC12-11	RC12-11-SS	RC12-11-316SS	RC12-11-AL	RC12-11-NP		

Square Body Couplings & Reducing Couplings available! See page 516!

Orifice options available! See page 440 for details!

7 Slim Line Reducing Couplings

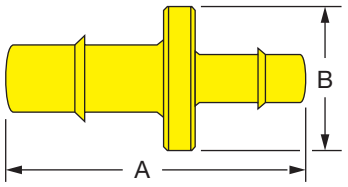
A

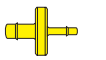
Branches		Dimensions (Reference)	
Tube ID	Branch Number	A Ref.	B Dia.
1/32	.031	Consult Factory	Consult Factory
.040 / 1mm	.040		
3/64	.045		
.050	.050		
1/16	1		
5/64 / 2mm	2		
3/32	2 1/2		

Branches		Dimensions (Reference)	
Tube ID	Branch Number	A Ref.	B Dia.
1/8	3	Consult Factory	Consult Factory
5/32 / 4mm	3 1/2		
.170	4		
3/16	5		
7/32	5 1/2		
6mm	5 3/4		

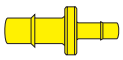
Branches		Dimensions (Reference)	
Tube ID	Branch Number	A Ref.	B Dia.
1/4	6	Consult Factory	Consult Factory
5/16 / 8mm	7		
3/8	8		
1/2	10		
5/8	11		
3/4	12		

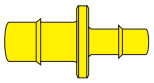
Note: *Images are for visual representation only; not intended for dimensional measurements.*

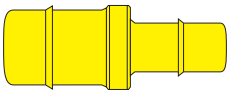



RC.050-.031-SL


RC2-.045-SL


RC3-1-SL


RC5-3-SL


RC8-6-SL

Part Numbers for Reducing Slim Line Couplings:

Fitting Series → **RC** **#** - **#** - **SL** ← Slim Line Indicator

(first): Larger Branch

(second): Smaller Branch

Unless otherwise specified, parts will be Brass. To order other materials, add the following codes to the end of the part number:
-SS = Stainless Steel 303 **-316SS =** Stainless Steel 316 **-AL =** Aluminum 6061-T6 **-NP =** Electroless Nickel Plate

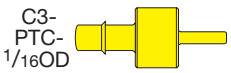
8 Push-to-Connect Fittings (for Push-to-Connect Smooth Stems)

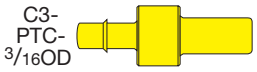
Branches		Dimensions (Reference)	
Tube ID	Branch Number	A Ref.	B Dia.
1/32	.031	Consult Factory	Consult Factory
.040 / 1mm	.040		
3/64	.045		
.050	.050		
1/16	1		
5/64 / 2mm	2		
3/32	2 1/2		

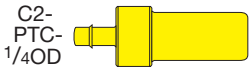
Branches		Dimensions (Reference)	
Tube ID	Branch Number	A Ref.	B Dia.
1/8	3	Consult Factory	Consult Factory
5/32 / 4mm	3 1/2		
.170	4		
3/16	5		
7/32	5 1/2		
6mm	5 3/4		

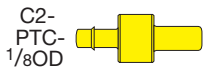
Branches		Dimensions (Reference)	
Tube ID	Branch Number	A Ref.	B Dia.
1/4	6	Consult Factory	Consult Factory
5/16 / 8mm	7		
3/8	8		
1/2	10		
5/8	11		
3/4	12		

Stem diameter can be customized to meet your requirements!


C3-PTC-1/16OD


C3-PTC-3/16OD


C2-PTC-1/4OD

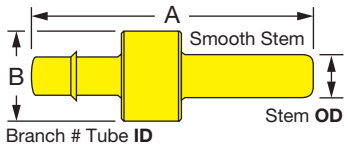

C2-PTC-1/8OD

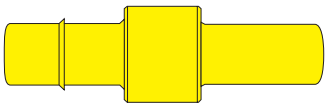
Part Numbers for Push-to-Connect Couplings:

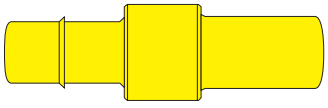
Fitting Series → **C** **#** - **PTC** - **#OD** ← Stem Outer Dimension

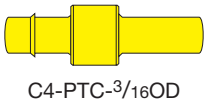
#: Branch #

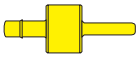
PTC: Push-to-Connect Indicator

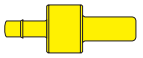



C7-PTC-5/16OD

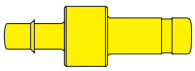

C7-PTC-3/8OD


C4-PTC-3/16OD

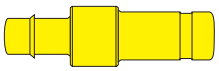

C1-PTC-1/16OD


C1-PTC-1/8OD

Push-to-Connect fittings are also available with Stem Groove!

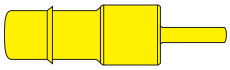

C3-PTC-3/16**OD**-SG

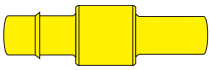
Add the code "-SG" to the end of the part number!


C4-PTC-1/4OD-SG

Consult factory for details!

Metric Stem options also available!


C6-PTC-2mmOD

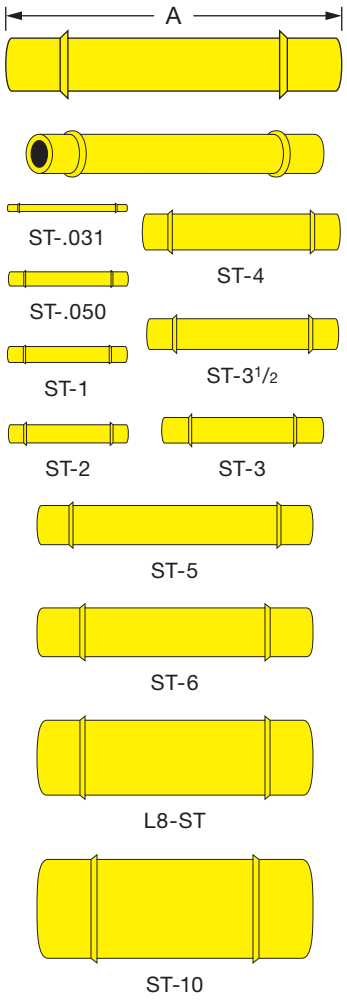

C5-PTC-5mmOD

Unless otherwise specified, parts will be Brass. To order other materials, add these codes to the part number:
-SS = Stainless Steel 303 **-316SS =** Stainless Steel 316 **-NP =** Electroless Nickel Plate

Smooth Stem = Tube Outer Dimension!

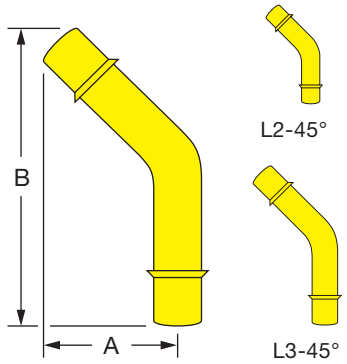
A

Straights 9

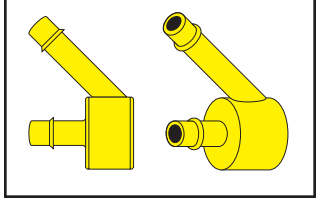


Tube ID	Part Numbers					Dimensions (Reference)
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.
1/32	ST-.031	ST-.031-SS	ST-.031-316SS	ST-.031-AL	ST-.031-NP	5/8
.040 / 1mm	ST-.040	ST-.040-SS	ST-.040-316SS	ST-.040-AL	ST-.040-NP	5/8
3/64	ST-.045	ST-.045-SS	ST-.045-316SS	ST-.045-AL	ST-.045-NP	5/8
.050	ST-.050	ST-.050-SS	ST-.050-316SS	ST-.050-AL	ST-.050-NP	5/8
1/16	ST-1	ST-1-SS	ST-1-316SS	ST-1-AL	ST-1-NP	5/8
5/64 / 2mm	ST-2	ST-2-SS	ST-2-316SS	ST-2-AL	ST-2-NP	5/8
3/32	ST-2 1/2	ST-2 1/2-SS	ST-2 1/2-316SS	ST-2 1/2-AL	ST-2 1/2-NP	5/8
1/8	ST-3	ST-3-SS	ST-3-316SS	ST-3-AL	ST-3-NP	27/32
5/32 / 4mm	ST-3 1/2	ST-3 1/2-SS	ST-3 1/2-316SS	ST-3 1/2-AL	ST-3 1/2-NP	1.00
.170	ST-4	ST-4-SS	ST-4-316SS	ST-4-AL	ST-4-NP	1 1/32
3/16	ST-5	ST-5-SS	ST-5-316SS	ST-5-AL	ST-5-NP	1 7/16
7/32	ST-5 1/2	ST-5 1/2-SS	ST-5 1/2-316SS	ST-5 1/2-AL	ST-5 1/2-NP	1 7/16
6mm	ST-5 3/4	ST-5 3/4-SS	ST-5 3/4-316SS	ST-5 3/4-AL	ST-5 3/4-NP	1 7/16
1/4	ST-6	ST-6-SS	ST-6-316SS	ST-6-AL	ST-6-NP	1 7/16
5/16 / 8mm	ST-7	ST-7-SS	ST-7-316SS	ST-7-AL	ST-7-NP	1 7/16
3/8	ST-8	ST-8-SS	ST-8-316SS	ST-8-AL	ST-8-NP	1 7/16
1/2	ST-10	ST-10-SS	ST-10-316SS	ST-10-AL	ST-10-NP	1 7/16
5/8	ST-11	ST-11-SS	ST-11-316SS	ST-11-AL	ST-11-NP	2.00
3/4	ST-12	ST-12-SS	ST-12-316SS	ST-12-AL	ST-12-NP	2.00

45° Elbows 10



Other 45° options available! Consult factory for details!



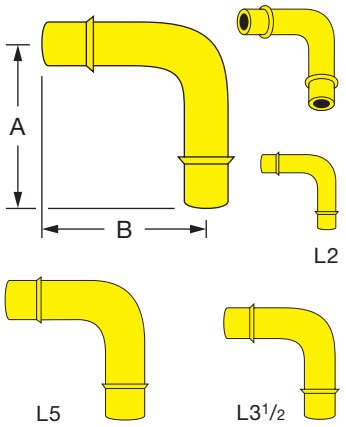
Tube ID	Part Numbers					Dimensions (Reference)	
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Ref.
1/32	L.031-45°	L.031-45°-SS	L.031-45°-316SS	L.031-45°-AL	L.031-45°-NP	Consult Factory	Consult Factory
.040 / 1mm	L.040-45°	L.040-45°-SS	L.040-45°-316SS	L.040-45°-AL	L.040-45°-NP		
3/64	L.045-45°	L.045-45°-SS	L.045-45°-316SS	L.045-45°-AL	L.045-45°-NP		
.050	L.050-45°	L.050-45°-SS	L.050-45°-316SS	L.050-45°-AL	L.050-45°-NP		
1/16	L1-45°	L1-45°-SS	L1-45°-316SS	L1-45°-AL	L1-45°-NP		
5/64 / 2mm	L2-45°	L2-45°-SS	L2-45°-316SS	L2-45°-AL	L2-45°-NP		
3/32	L2 1/2-45°	L2 1/2-45°-SS	L2 1/2-45°-316SS	L2 1/2-45°-AL	L2 1/2-45°-NP		
1/8	L3-45°	L3-45°-SS	L3-45°-316SS	L3-45°-AL	L3-45°-NP		
5/32 / 4mm	L3 1/2-45°	L3 1/2-45°-SS	L3 1/2-45°-316SS	L3 1/2-45°-AL	L3 1/2-45°-NP		
.170	L4-45°	L4-45°-SS	L4-45°-316SS	L4-45°-AL	L4-45°-NP		
3/16	L5-45°	L5-45°-SS	L5-45°-316SS	L5-45°-AL	L5-45°-NP		

Note: for systems that do not allow the degree symbol (°) to be used, it can be substituted with 'DEG' in the part number.

11 — 90° Elbows

A

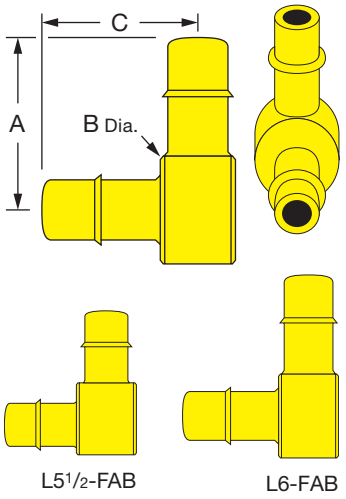
Tube ID	Part Numbers					Dimensions (Reference)	
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Ref.
1/16	L1	L1-SS	L1-316SS	L1-AL	L1-NP	11/32	11/32
5/64 / 2mm	L2	L2-SS	L2-316SS	L2-AL	L2-NP	11/32	11/32
3/32	L2 1/2	L2 1/2-SS	L2 1/2-316SS	L2 1/2-AL	L2 1/2-NP	11/32	11/32
1/8	L3	L3-SS	L3-316SS	L3-AL	L3-NP	1/2	1/2
5/32 / 4mm	L3 1/2	L3 1/2-SS	L3 1/2-316SS	L3 1/2-AL	L3 1/2-NP	1/2	1/2
.170	L4	L4-SS	L4-316SS	L4-AL	L4-NP	9/16	9/16
3/16	L5	L5-SS	L5-316SS	L5-AL	L5-NP	5/8	5/8



12 — 90° Fabricated Elbows

Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
7/32	L5 1/2-FAB	L5 1/2-FAB-SS	L5 1/2-FAB-316SS	N/A	L5 1/2-FAB-NP	1/2	3/8	7/16
6mm	L5 3/4-FAB	L5 3/4-FAB-SS	L5 3/4-FAB-316SS	N/A	L5 3/4-FAB-NP	23/32	7/16	47/64
1/4	L6-FAB	L6-FAB-SS	L6-FAB-316SS	L6-FAB-AL	L6-FAB-NP	23/32	7/16	47/64
5/16 / 8mm	L7-FAB	L7-FAB-SS	L7-FAB-316SS	N/A	L7-FAB-NP	15/16	5/8	27/32
3/8	L8-FAB	L8-FAB-SS	L8-FAB-316SS	L8-FAB-AL	L8-FAB-NP	27/32	5/8	3/4
1/2	L10-FAB	L10-FAB-SS	L10-FAB-316SS	L10-FAB-AL	L10-FAB-NP	1 5/64	3/4	1 1/16
5/8	L11-FAB	L11-FAB-SS	L11-FAB-316SS	N/A	L11-FAB-NP	*Consult Factory*		
3/4	L12-FAB	L12-FAB-SS	L12-FAB-316SS	N/A	L12-FAB-NP	*Consult Factory*		

Note: Branches 5 1/2 and larger are only available as Fabricated Elbows. Smaller branches are available upon request!



Note: *Dimensions may vary at time of manufacturing. Consult factory for details.*

13 — 90° Fabricated Reducing Elbows

Branches		Dimensions (Reference)		
Tube ID	Branch #	A Ref.	B Dia.	C Ref.
1/16	1	*Consult Factory*		
5/64 / 2mm	2			
3/32	2 1/2			
1/8	3			
5/32 / 4mm	3 1/2			

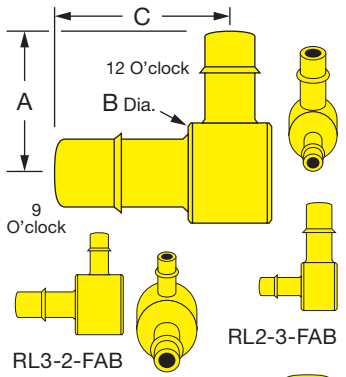
Branches		Dimensions (Reference)		
Tube ID	Branch #	A Ref.	B Dia.	C Ref.
.170	4	*Consult Factory*		
3/16	5			
7/32	5 1/2			
6mm	5 3/4			
1/4	6			

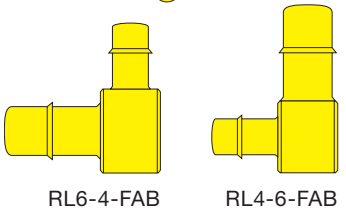
Branches		Dimensions (Reference)		
Tube ID	Branch #	A Ref.	B Dia.	C Ref.
5/16 / 8mm	7	*Consult Factory*		
3/8	8			
1/2	10			
5/8	11			
3/4	12			

Part Numbers for Reducing Fabricated Elbows:

Fitting Series → **RL** **#** - **#** - **FAB** ← Fabricated Indicator

= 9 O'clock Branch; **#** = 12 O'clock Branch

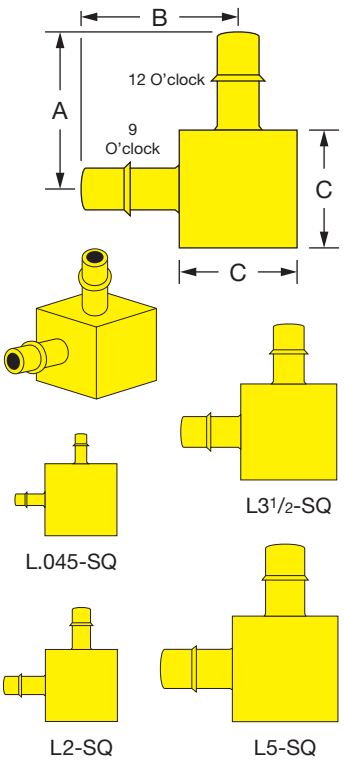




Unless otherwise specified, parts will be Brass. To order other materials, use the following codes:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

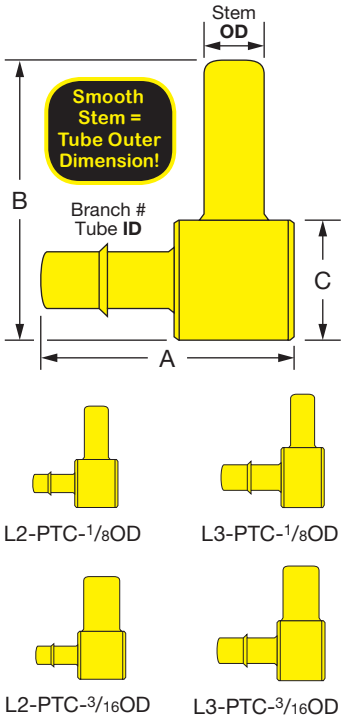
A

Square Body Elbows 14



Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Ref.	C Ref.
1/32	L.031-SQ	L.031-SQ-SS	L.031-SQ-316SS	L.031-SQ-NP	11/32	11/32	3/8
.040 / 1mm	L.040-SQ	L.040-SQ-SS	L.040-SQ-316SS	L.040-SQ-NP	11/32	11/32	3/8
3/64	L.045-SQ	L.045-SQ-SS	L.045-SQ-316SS	L.045-SQ-NP	11/32	11/32	3/8
.050	L.050-SQ	L.050-SQ-SS	L.050-SQ-316SS	L.050-SQ-NP	11/32	11/32	3/8
1/16	L1-SQ	L1-SQ-SS	L1-SQ-316SS	L1-SQ-NP	13/32	13/32	3/8
5/64 / 2mm	L2-SQ	L2-SQ-SS	L2-SQ-316SS	L2-SQ-NP	13/32	13/32	3/8
3/32	L2 1/2-SQ	L2 1/2-SQ-SS	L2 1/2-SQ-316SS	L2 1/2-SQ-NP	13/32	13/32	3/8
1/8	L3-SQ	L3-SQ-SS	L3-SQ-316SS	L3-SQ-NP	1/2	1/2	3/8
5/32 / 4mm	L3 1/2-SQ	L3 1/2-SQ-SS	L3 1/2-SQ-316SS	L3 1/2-SQ-NP	9/16	9/16	1/2
.170	L4-SQ	L4-SQ-SS	L4-SQ-316SS	L4-SQ-NP	19/32	19/32	1/2
3/16	L5-SQ	L5-SQ-SS	L5-SQ-316SS	L5-SQ-NP	.650	.650	.550
7/32	L5 1/2-SQ	L5 1/2-SQ-SS	L5 1/2-SQ-316SS	L5 1/2-SQ-NP	.650	.650	.550
6mm	L5 3/4-SQ	L5 3/4-SQ-SS	L5 3/4-SQ-316SS	L5 3/4-SQ-NP	.775	.775	.550
1/4	L6-SQ	L6-SQ-SS	L6-SQ-316SS	L6-SQ-NP	.775	.775	.550

Push-to-Connect Fabricated Elbows 15



Branches		Dimensions (Reference)	
Tube ID	Branch Number	A Ref.	B Dia.
1/32	.031	Consult Factory	Consult Factory
.040 / 1mm	.040		
3/64	.045		
.050	.050		
1/16	1		
5/64 / 2mm	2		
3/32	2 1/2		

Branches		Dimensions (Reference)	
Tube ID	Branch Number	A Ref.	B Dia.
1/8	3	Consult Factory	Consult Factory
5/32 / 4mm	3 1/2		
.170	4		
3/16	5		
7/32	5 1/2		
6mm	5 3/4		

Branches		Dimensions (Reference)	
Tube ID	Branch Number	A Ref.	B Dia.
1/4	6	Consult Factory	Consult Factory
5/16 / 8mm	7		
3/8	8		
1/2	10		
5/8	11		
3/4	12		

Stem diameter can be customized to meet your requirements!

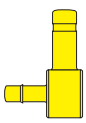
Part Numbers for Fabricated Push-to-Connect Elbows:

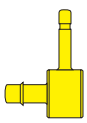
Fitting Series → L # - FAB - PTC - #OD ← Stem OD

Branch Number ↑ (#) | Fabricated Indicator ↑ (FAB) | Push-to-Connect Indicator ↑ (PTC)

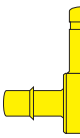
Unless otherwise specified, parts will be Brass. To order other materials, use the following codes:
-SS = Stainless Steel 303 **-316SS** = Stainless Steel 316 **-NP** = Electroless Nickel Plate

Push-to-Connect fittings are also available with Stem Groove!


L1-FAB-PTC-1/8OD-SG

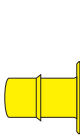

L2-FAB-PTC-1/16OD-SG

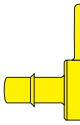
Add the code "-SG" to the end of the part number!


L3-FAB-PTC-3/16OD-SG

Consult factory for details!

Metric Stem options also available!

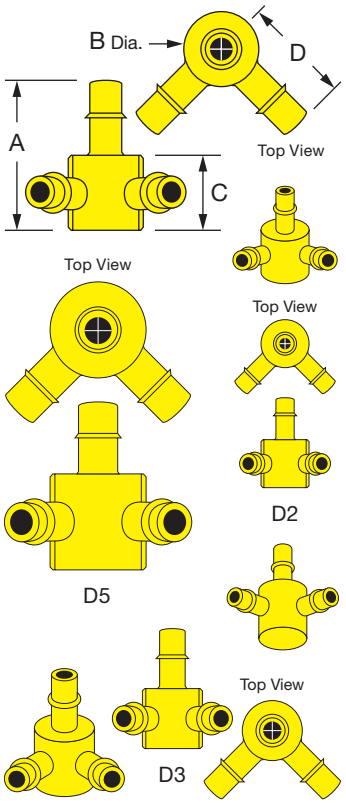

L5-PTC-2mm OD


L3-PTC-3mm OD

16 Delta Fittings

A

Tube ID	Part Numbers				Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.	D Ref.
1/16	D1	D1-SS	D1-316SS	D1-NP	Consult Factory			
5/64 / 2mm	D2	D2-SS	D2-316SS	D2-NP				
3/32	D2 1/2	D2 1/2-SS	D2 1/2-316SS	D2 1/2-NP				
1/8	D3	D3-SS	D3-316SS	D3-NP				
5/32 / 4mm	D3 1/2	D3 1/2-SS	D3 1/2-316SS	D3 1/2-NP				
.170	D4	D4-SS	D4-316SS	D4-NP				
3/16	D5	D5-SS	D5-316SS	D5-NP				
7/32	D5 1/2	D5 1/2-SS	D5 1/2-316SS	D5 1/2-NP				
6mm	D5 3/4	D5 3/4-SS	D5 3/4-316SS	D5 3/4-NP				
1/4	D6	D6-SS	D6-316SS	D6-NP				
5/16 / 8mm	D7	D7-SS	D7-316SS	D7-NP				
3/8	D8	D8-SS	D8-316SS	D8-NP				
1/2	D10	D10-SS	D10-316SS	D10-NP				
5/8	D11	D11-SS	D11-316SS	D11-NP				
3/4	D12	D12-SS	D12-316SS	D12-NP				

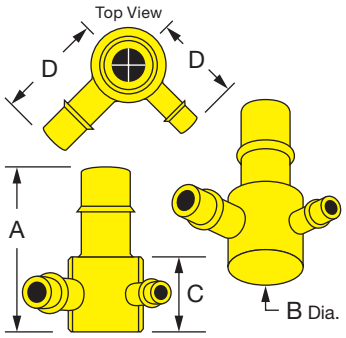


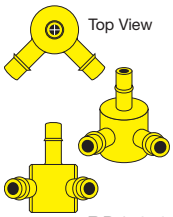
17 Reducing Delta Fittings

Branches		Dimensions (Reference)			
Tube ID	Branch #	A Ref.	B Dia.	C Ref.	D Ref.
1/16	1	Consult Factory			
5/64 / 2mm	2				
3/32	2 1/2				
1/8	3				
5/32 / 4mm	3 1/2				

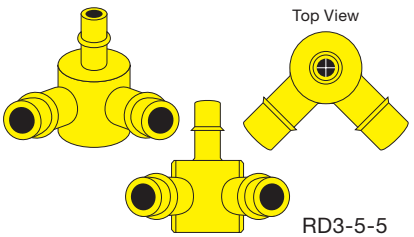
Branches		Dimensions (Reference)			
Tube ID	Branch #	A Ref.	B Dia.	C Ref.	D Ref.
.170	4	Consult Factory			
3/16	5				
7/32	5 1/2				
6mm	5 3/4				
1/4	6				

Branches		Dimensions (Reference)			
Tube ID	Branch #	A Ref.	B Dia.	C Ref.	D Ref.
5/16 / 8mm	7	Consult Factory			
3/8	8				
1/2	10				
5/8	11				
3/4	12				

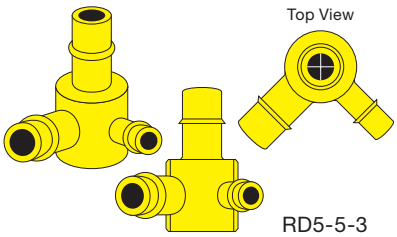




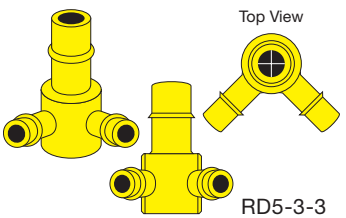
RD1-2-2



RD3-5-5



RD5-5-3

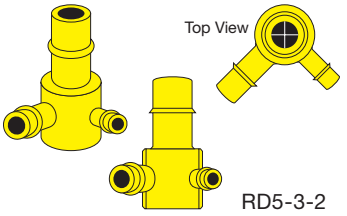


RD5-3-3

Part Numbers for Reducing Delta Fittings:

Fitting Series → **RD** **#** - **#** - **#** ← Third Branch #

= First (top) Branch # ; **#** = Second Branch



RD5-3-2

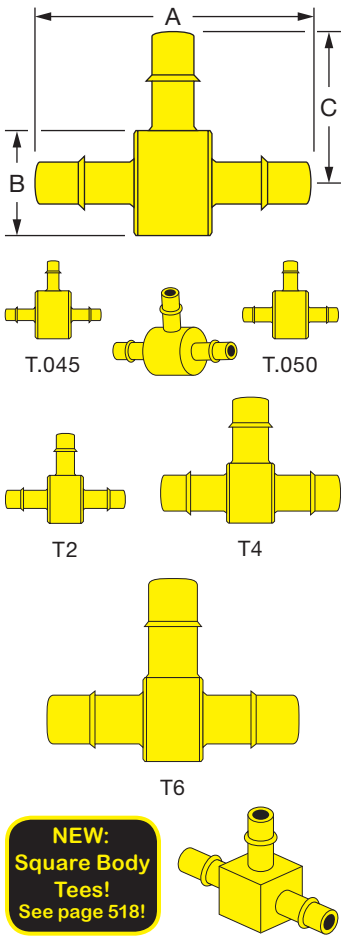
Unless otherwise specified, parts will be Brass. To order other materials, use the following codes:

-SS = Stainless Steel 303 **-316SS** = Stainless Steel 316 **-NP** = Electroless Nickel Plate

Note: *Images are for visual representation only.*

A

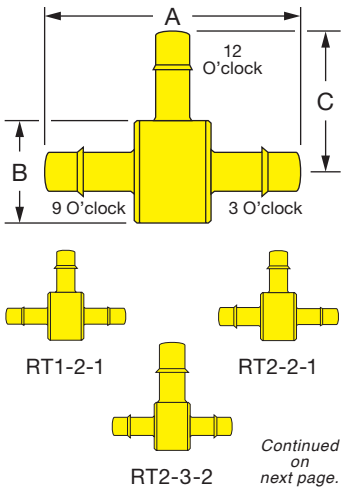
Tees 18



NEW: Square Body Tees! See page 518!

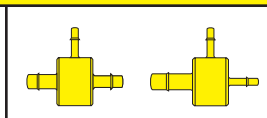
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
1/32	T.031	T.031-SS	T.031-316SS	T.031-NP	9/16	1/4	9/32
.040 / 1mm	T.040	T.040-SS	T.040-316SS	T.040-NP	9/16	1/4	9/32
3/64	T.045	T.045-SS	T.045-316SS	T.045-NP	9/16	1/4	9/32
.050	T.050	T.050-SS	T.050-316SS	T.050-NP	9/16	1/4	9/32
1/16	T1	T1-SS	T1-316SS	T1-NP	5/8	1/4	11/32
5/64 / 2mm	T2	T2-SS	T2-316SS	T2-NP	5/8	1/4	11/32
3/32	T2 1/2	T2 1/2-SS	T2 1/2-316SS	T2 1/2-NP	41/64	9/32	23/64
1/8	T3	T3-SS	T3-316SS	T3-NP	27/32	5/16	15/32
5/32 / 4mm	T3 1/2	T3 1/2-SS	T3 1/2-316SS	T3 1/2-NP	27/32	5/16	1/2
.170	T4	T4-SS	T4-316SS	T4-NP	15/16	5/16	1/2
3/16	T5	T5-SS	T5-316SS	T5-NP	1.00	3/8	9/16
7/32	T5 1/2	T5 1/2-SS	T5 1/2-316SS	T5 1/2-NP	1.00	3/8	9/16
6mm	T5 3/4	T5 3/4-SS	T5 3/4-316SS	T5 3/4-NP	1 5/16	7/16	47/64
1/4	T6	T6-SS	T6-316SS	T6-NP	1 5/16	7/16	47/64
5/16 / 8mm	T7	T7-SS	T7-316SS	T7-NP	1 21/32	5/8	15/16
3/8	T8	T8-SS	T8-316SS	T8-NP	1 33/64	5/8	27/32
1/2	T10	T10-SS	T10-316SS	T10-NP	2 1/16	3/4	1 1/16
5/8	T11	T11-SS	T11-316SS	T11-NP	2 1/8	1 1/8	7/8
3/4	T12	T12-SS	T12-316SS	T12-NP	2 1/8	1 1/8	7/8

Reducing Tees 19



Continued on next page.

Smaller branches available!

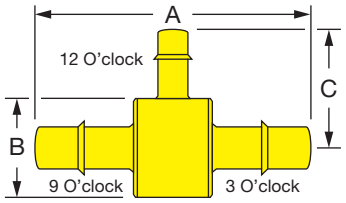


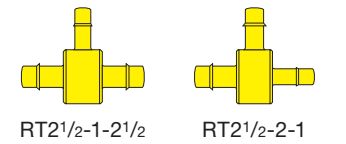
Tube ID			Part Numbers				Dimensions (Reference)		
9 O'clock	12 O'clock	3 O'clock	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
1/16	5/64 / 2mm	1/16	RT1-2-1	RT1-2-1-SS	RT1-2-1-316SS	RT1-2-1-NP	5/8	1/4	11/32
1/16	3/32	1/16	RT1-2 1/2-1	RT1-2 1/2-1-SS	RT1-2 1/2-1-316SS	RT1-2 1/2-1-NP	5/8	1/4	11/32
1/16	1/8	1/16	RT1-3-1	RT1-3-1-SS	RT1-3-1-316SS	RT1-3-1-NP	21/32	1/4	7/16
1/16	5/32/ 4mm	1/16	RT1-3 1/2-1	RT1-3 1/2-1-SS	RT1-3 1/2-1-316SS	RT1-3 1/2-1-NP	21/32	1/4	7/16
5/64 / 2mm	1/16	1/16	RT2-1-1	RT2-1-1-SS	RT2-1-1-316SS	RT2-1-1-NP	5/8	1/4	11/32
5/64 / 2mm	1/16	5/64 / 2mm	RT2-1-2	RT2-1-2-SS	RT2-1-2-316SS	RT2-1-2-NP	5/8	1/4	11/32
5/64 / 2mm	5/64 / 2mm	1/16	RT2-2-1	RT2-2-1-SS	RT2-2-1-316SS	RT2-2-1-NP	5/8	1/4	11/32
5/64 / 2mm	3/32	1/16	RT2-2 1/2-1	RT2-2 1/2-1-SS	RT2-2 1/2-1-316SS	RT2-2 1/2-1-NP	5/8	1/4	11/32
5/64 / 2mm	3/32	5/64 / 2mm	RT2-2 1/2-2	RT2-2 1/2-2-SS	RT2-2 1/2-2-316SS	RT2-2 1/2-2-NP	5/8	1/4	11/32
5/64 / 2mm	1/8	1/16	RT2-3-1	RT2-3-1-SS	RT2-3-1-316SS	RT2-3-1-NP	21/32	1/4	7/16
5/64 / 2mm	1/8	5/64 / 2mm	RT2-3-2	RT2-3-2-SS	RT2-3-2-316SS	RT2-3-2-NP	21/32	1/4	7/16
5/64 / 2mm	5/32/ 4mm	1/16	RT2-3 1/2-1	RT2-3 1/2-1-SS	RT2-3 1/2-1-316SS	RT2-3 1/2-1-NP	21/32	1/4	7/16
5/64 / 2mm	5/32/ 4mm	5/64 / 2mm	RT2-3 1/2-2	RT2-3 1/2-2-SS	RT2-3 1/2-2-316SS	RT2-3 1/2-2-NP	21/32	1/4	7/16
5/64 / 2mm	.170	1/16	RT2-4-1	RT2-4-1-SS	RT2-4-1-316SS	RT2-4-1-NP	11/16	5/16	1/2

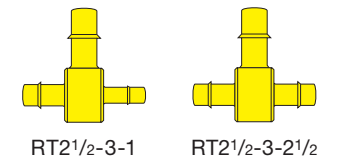
20 Reducing Tees

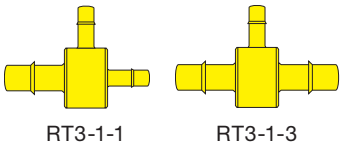
A

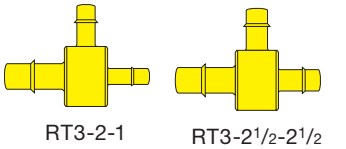
Tube ID			Part Numbers				Dimensions (Reference)		
9 O'clock	12 O'clock	3 O'clock	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
5/64 / 2mm	.170	5/64 / 2mm	RT2-4-2	RT2-4-2-SS	RT2-4-2-316SS	RT2-4-2-NP	11/16	5/16	1/2
3/32	1/16	1/16	RT2 1/2-1-1	RT2 1/2-1-1-SS	RT2 1/2-1-1316SS	RT2 1/2-1-1-NP	5/8	9/32	23/64
3/32	1/16	5/64 / 2mm	RT2 1/2-1-2	RT2 1/2-1-2-SS	RT2 1/2-1-2-316SS	RT2 1/2-1-2-NP	5/8	9/32	23/64
3/32	1/16	3/32	RT2 1/2-1-2 1/2	RT2 1/2-1-2 1/2-SS	RT2 1/2-1-2 1/2-316SS	RT2 1/2-1-2 1/2-NP	41/64	9/32	23/64
3/32	5/64 / 2mm	1/16	RT2 1/2-2-1	RT2 1/2-2-1-SS	RT2 1/2-2-1-316SS	RT2 1/2-2-1-NP	5/8	9/32	23/64
3/32	5/64 / 2mm	5/64 / 2mm	RT2 1/2-2-2	RT2 1/2-2-2-SS	RT2 1/2-2-2-316SS	RT2 1/2-2-2-NP	5/8	9/32	23/64
3/32	5/64 / 2mm	3/32	RT2 1/2-2-2 1/2	RT2 1/2-2-2 1/2-SS	RT2 1/2-2-2 1/2-316SS	RT2 1/2-2-2 1/2-NP	41/64	9/32	23/64
3/32	3/32	1/16	RT2 1/2-2 1/2-1	RT2 1/2-2 1/2-1-SS	RT2 1/2-2 1/2-1-316SS	RT2 1/2-2 1/2-1-NP	5/8	9/32	23/64
3/32	3/32	5/64 / 2mm	RT2 1/2-2 1/2-2	RT2 1/2-2 1/2-2-SS	RT2 1/2-2 1/2-2-316SS	RT2 1/2-2 1/2-2-NP	41/64	9/32	23/64
3/32	1/8	1/16	RT2 1/2-3-1	RT2 1/2-3-1-SS	RT2 1/2-3-1-316SS	RT2 1/2-3-1-NP	5/8	9/32	29/64
3/32	1/8	5/64 / 2mm	RT2 1/2-3-2	RT2 1/2-3-2-SS	RT2 1/2-3-2-316SS	RT2 1/2-3-2-NP	5/8	9/32	29/64
3/32	1/8	3/32	RT2 1/2-3-2 1/2	RT2 1/2-3-2 1/2-SS	RT2 1/2-3-2 1/2-316SS	RT2 1/2-3-2 1/2-NP	41/64	9/32	29/64
3/32	5/32 / 4mm	1/16	RT2 1/2-3 1/2-1	RT2 1/2-3 1/2-1-SS	RT2 1/2-3 1/2-1-316SS	RT2 1/2-3 1/2-1-NP	5/8	9/32	29/64
3/32	5/32 / 4mm	5/64 / 2mm	RT2 1/2-3 1/2-2	RT2 1/2-3 1/2-2-SS	RT2 1/2-3 1/2-2-316SS	RT2 1/2-3 1/2-2-NP	5/8	9/32	29/64
3/32	5/32 / 4mm	3/32	RT2 1/2-3 1/2-2 1/2	RT2 1/2-3 1/2-2 1/2-SS	RT2 1/2-3 1/2-2 1/2-316SS	RT2 1/2-3 1/2-2 1/2-NP	41/64	9/32	29/64
3/32	.170	1/16	RT2 1/2-4-1	RT2 1/2-4-1-SS	RT2 1/2-4-1-316SS	RT2 1/2-4-1-NP	11/16	5/16	1/2
3/32	.170	5/64 / 2mm	RT2 1/2-4-2	RT2 1/2-4-2-SS	RT2 1/2-4-2-316SS	RT2 1/2-4-2-NP	11/16	5/16	1/2
3/32	.170	3/32	RT2 1/2-4-2 1/2	RT2 1/2-4-2 1/2-SS	RT2 1/2-4-2 1/2-316SS	RT2 1/2-4-2 1/2-NP	11/16	5/16	1/2
1/8	1/16	1/16	RT3-1-1	RT3-1-1-SS	RT3-1-1-316SS	RT3-1-1-NP	3/4	5/16	3/8
1/8	1/16	5/64 / 2mm	RT3-1-2	RT3-1-2-SS	RT3-1-2-316SS	RT3-1-2-NP	3/4	5/16	3/8
1/8	1/16	3/32	RT3-1-2 1/2	RT3-1-2 1/2-SS	RT3-1-2 1/2-316SS	RT3-1-2 1/2-NP	3/4	5/16	3/8
1/8	1/16	1/8	RT3-1-3	RT3-1-3-SS	RT3-1-3-316SS	RT3-1-3-NP	27/32	5/16	3/8
1/8	5/64 / 2mm	1/16	RT3-2-1	RT3-2-1-SS	RT3-2-1-316SS	RT3-2-1-NP	3/4	5/16	3/8
1/8	5/64 / 2mm	5/64 / 2mm	RT3-2-2	RT3-2-2-SS	RT3-2-2-316SS	RT3-2-2-NP	3/4	5/16	3/8
1/8	5/64 / 2mm	3/32	RT3-2-2 1/2	RT3-2-2 1/2-SS	RT3-2-2 1/2-316SS	RT3-2-2 1/2-NP	3/4	5/16	3/8
1/8	5/64 / 2mm	1/8	RT3-2-3	RT3-2-3-SS	RT3-2-3-316SS	RT3-2-3-NP	27/32	5/16	3/8
1/8	3/32	1/16	RT3-2 1/2-1	RT3-2 1/2-1-SS	RT3-2 1/2-1-316SS	RT3-2 1/2-1-NP	3/4	5/16	3/8
1/8	3/32	5/64 / 2mm	RT3-2 1/2-2	RT3-2 1/2-2-SS	RT3-2 1/2-2-316SS	RT3-2 1/2-2-NP	3/4	5/16	3/8
1/8	3/32	3/32	RT3-2 1/2-2 1/2	RT3-2 1/2-2 1/2-SS	RT3-2 1/2-2 1/2-316SS	RT3-2 1/2-2 1/2-NP	3/4	5/16	3/8
1/8	3/32	1/8	RT3-2 1/2-3	RT3-2 1/2-3-SS	RT3-2 1/2-3-316SS	RT3-2 1/2-3-NP	27/32	5/16	3/8
1/8	1/8	1/16	RT3-3-1	RT3-3-1-SS	RT3-3-1-316SS	RT3-3-1-NP	7/8	5/16	15/32
1/8	1/8	5/64 / 2mm	RT3-3-2	RT3-3-2-SS	RT3-3-2-316SS	RT3-3-2-NP	7/8	5/16	15/32
1/8	1/8	3/32	RT3-3-2 1/2	RT3-3-2 1/2-SS	RT3-3-2 1/2-316SS	RT3-3-2 1/2-NP	7/8	5/16	15/32
1/8	5/32 / 4mm	1/16	RT3-3 1/2-1	RT3-3 1/2-1-SS	RT3-3 1/2-1-316SS	RT3-3 1/2-1-NP	7/8	5/16	1/2
1/8	5/32 / 4mm	5/64 / 2mm	RT3-3 1/2-2	RT3-3 1/2-2-SS	RT3-3 1/2-2-316SS	RT3-3 1/2-2-NP	7/8	5/16	1/2
1/8	5/32 / 4mm	3/32	RT3-3 1/2-2 1/2	RT3-3 1/2-2 1/2-SS	RT3-3 1/2-2 1/2-316SS	RT3-3 1/2-2 1/2-NP	7/8	5/16	1/2
1/8	5/32 / 4mm	1/8	RT3-3 1/2-3	RT3-3 1/2-3-SS	RT3-3 1/2-3-316SS	RT3-3 1/2-3-NP	27/32	5/16	1/2
1/8	.170	1/16	RT3-4-1	RT3-4-1-SS	RT3-4-1-316SS	RT3-4-1-NP	25/32	5/16	1/2
1/8	.170	5/64 / 2mm	RT3-4-2	RT3-4-2-SS	RT3-4-2-316SS	RT3-4-2-NP	25/32	5/16	1/2
1/8	.170	3/32	RT3-4-2 1/2	RT3-4-2 1/2-SS	RT3-4-2 1/2-316SS	RT3-4-2 1/2-NP	25/32	5/16	1/2

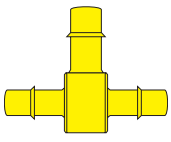


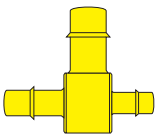

RT2 1/2-1-2 1/2 RT2 1/2-2-1


RT2 1/2-3-1 RT2 1/2-3-2 1/2


RT3-1-1 RT3-1-3

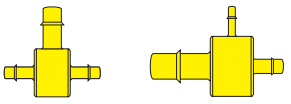

RT3-2-1 RT3-2 1/2-2 1/2

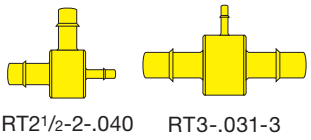

RT3-3 1/2-3


RT3-4-2 1/2

Continued on next page.

Smaller branches available!


RT.045-2-.045 RT3-.031-.050

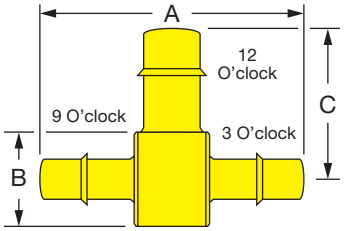

RT2 1/2-2-.040 RT3-.031-3

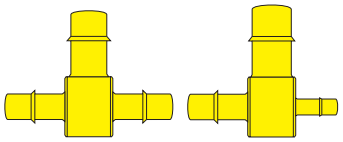
Consult factory for details!

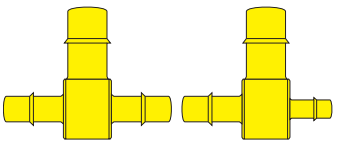
NEW: Square Body Tees and Reducing Tees! See page 518!

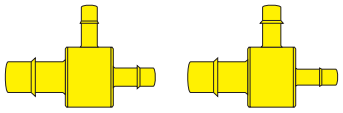
A

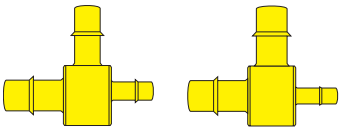
Reducing Tees (cont.) 21

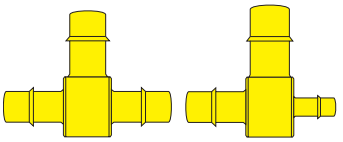


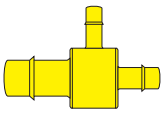

RT3-4-3 RT3-5-1


RT3-5-3 RT3-5-2


RT3$^{1}/_{2}$-1-2 RT3$^{1}/_{2}$-2-1

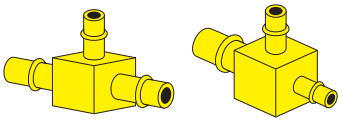

RT3$^{1}/_{2}$-3-2 RT3$^{1}/_{2}$-3$^{1}/_{2}$-1


RT3$^{1}/_{2}$-4-3$^{1}/_{2}$ RT3$^{1}/_{2}$-5-2

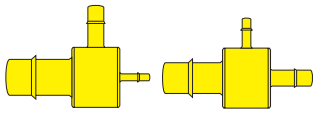

RT4-1-2$^{1}/_{2}$

Continued on next page.

NEW: Reducing Tees with Square Body! See page 518!



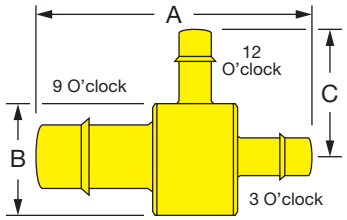
Smaller branch sizes available! Consult factory for details!

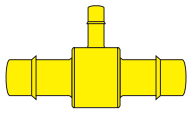

RT4-1-.031 RT3$^{1}/_{2}$-.040-1

Tube ID			Part Numbers				Dimensions (Reference)		
9 O'clock	12 O'clock	3 O'clock	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
1/8	.170	1/8	RT3-4-3	RT3-4-3-SS	RT3-4-3-316SS	RT3-4-3-NP	7/8	5/16	1/2
1/8	3/16	1/16	RT3-5-1	RT3-5-1-SS	RT3-5-1-316SS	RT3-5-1-NP	25/32	5/16	9/16
1/8	3/16	5/64 / 2mm	RT3-5-2	RT3-5-2-SS	RT3-5-2-316SS	RT3-5-2-NP	25/32	3/8	9/16
1/8	3/16	3/32	RT3-5-2$^{1}/_{2}$	RT3-5-2$^{1}/_{2}$-SS	RT3-5-2$^{1}/_{2}$-316SS	RT3-5-2$^{1}/_{2}$-NP	25/32	3/8	9/16
1/8	3/16	1/8	RT3-5-3	RT3-5-3-SS	RT3-5-3-316SS	RT3-5-3-NP	7/8	3/8	9/16
5/32 / 4mm	1/16	1/16	RT3$^{1}/_{2}$-1-1	RT3$^{1}/_{2}$-1-1-SS	RT3$^{1}/_{2}$-1-1-316SS	RT3$^{1}/_{2}$-1-1-NP	3/4	5/16	3/8
5/32 / 4mm	1/16	5/64 / 2mm	RT3$^{1}/_{2}$-1-2	RT3$^{1}/_{2}$-1-2-SS	RT3$^{1}/_{2}$-1-2-316SS	RT3$^{1}/_{2}$-1-2-NP	3/4	5/16	3/8
5/32 / 4mm	1/16	3/32	RT3$^{1}/_{2}$-1-2$^{1}/_{2}$	RT3$^{1}/_{2}$-1-2$^{1}/_{2}$-SS	RT3$^{1}/_{2}$-1-2$^{1}/_{2}$-316SS	RT3$^{1}/_{2}$-1-2$^{1}/_{2}$-NP	3/4	5/16	3/8
5/32 / 4mm	1/16	1/8	RT3$^{1}/_{2}$-1-3	RT3$^{1}/_{2}$-1-3-SS	RT3$^{1}/_{2}$-1-3-316SS	RT3$^{1}/_{2}$-1-3-NP	27/32	5/16	3/8
5/32 / 4mm	1/16	5/32 / 4mm	RT3$^{1}/_{2}$-1-3$^{1}/_{2}$	RT3$^{1}/_{2}$-1-3$^{1}/_{2}$-SS	RT3$^{1}/_{2}$-1-3$^{1}/_{2}$-316SS	RT3$^{1}/_{2}$-1-3$^{1}/_{2}$-NP	27/32	5/16	3/8
5/32 / 4mm	5/64 / 2mm	1/16	RT3$^{1}/_{2}$-2-1	RT3$^{1}/_{2}$-2-1-SS	RT3$^{1}/_{2}$-2-1-316SS	RT3$^{1}/_{2}$-2-1-NP	3/4	5/16	3/8
5/32 / 4mm	5/64 / 2mm	5/64 / 2mm	RT3$^{1}/_{2}$-2-2	RT3$^{1}/_{2}$-2-2-SS	RT3$^{1}/_{2}$-2-2-316SS	RT3$^{1}/_{2}$-2-2-NP	3/4	5/16	3/8
5/32 / 4mm	5/64 / 2mm	3/32	RT3$^{1}/_{2}$-2-2$^{1}/_{2}$	RT3$^{1}/_{2}$-2-2$^{1}/_{2}$-SS	RT3$^{1}/_{2}$-2-2$^{1}/_{2}$-316SS	RT3$^{1}/_{2}$-2-2$^{1}/_{2}$-NP	3/4	5/16	3/8
5/32 / 4mm	5/64 / 2mm	1/8	RT3$^{1}/_{2}$-2-3	RT3$^{1}/_{2}$-2-3-SS	RT3$^{1}/_{2}$-2-3-316SS	RT3$^{1}/_{2}$-2-3-NP	27/32	5/16	3/8
5/32 / 4mm	5/64 / 2mm	5/32 / 4mm	RT3$^{1}/_{2}$-2-3$^{1}/_{2}$	RT3$^{1}/_{2}$-2-3$^{1}/_{2}$-SS	RT3$^{1}/_{2}$-2-3$^{1}/_{2}$-316SS	RT3$^{1}/_{2}$-2-3$^{1}/_{2}$-NP	27/32	5/16	3/8
5/32 / 4mm	3/32	1/16	RT3$^{1}/_{2}$-2$^{1}/_{2}$-1	RT3$^{1}/_{2}$-2$^{1}/_{2}$-1-SS	RT3$^{1}/_{2}$-2$^{1}/_{2}$-1-316SS	RT3$^{1}/_{2}$-2$^{1}/_{2}$-1-NP	3/4	5/16	3/8
5/32 / 4mm	3/32	5/64 / 2mm	RT3$^{1}/_{2}$-2$^{1}/_{2}$-2	RT3$^{1}/_{2}$-2$^{1}/_{2}$-2-SS	RT3$^{1}/_{2}$-2$^{1}/_{2}$-2-316SS	RT3$^{1}/_{2}$-2$^{1}/_{2}$-2-NP	3/4	5/16	3/8
5/32 / 4mm	3/32	1/8	RT3$^{1}/_{2}$-2$^{1}/_{2}$-3	RT3$^{1}/_{2}$-2$^{1}/_{2}$-3-SS	RT3$^{1}/_{2}$-2$^{1}/_{2}$-3-316SS	RT3$^{1}/_{2}$-2$^{1}/_{2}$-3-NP	27/32	5/16	3/8
5/32 / 4mm	3/32	5/32 / 4mm	RT3$^{1}/_{2}$-2$^{1}/_{2}$-3$^{1}/_{2}$	RT3$^{1}/_{2}$-2$^{1}/_{2}$-3$^{1}/_{2}$-SS	RT3$^{1}/_{2}$-2$^{1}/_{2}$-3$^{1}/_{2}$-316SS	RT3$^{1}/_{2}$-2$^{1}/_{2}$-3$^{1}/_{2}$-NP	27/32	5/16	3/8
5/32 / 4mm	1/8	1/16	RT3$^{1}/_{2}$-3-1	RT3$^{1}/_{2}$-3-1-SS	RT3$^{1}/_{2}$-3-1-316SS	RT3$^{1}/_{2}$-3-1-NP	3/4	5/16	3/8
5/32 / 4mm	1/8	5/64 / 2mm	RT3$^{1}/_{2}$-3-2	RT3$^{1}/_{2}$-3-2-SS	RT3$^{1}/_{2}$-3-2-316SS	RT3$^{1}/_{2}$-3-2-NP	3/4	5/16	15/32
5/32 / 4mm	1/8	3/32	RT3$^{1}/_{2}$-3-2$^{1}/_{2}$	RT3$^{1}/_{2}$-3-2$^{1}/_{2}$-SS	RT3$^{1}/_{2}$-3-2$^{1}/_{2}$-316SS	RT3$^{1}/_{2}$-3-2$^{1}/_{2}$-NP	3/4	5/16	15/32
5/32 / 4mm	1/8	5/32 / 4mm	RT3$^{1}/_{2}$-3-3$^{1}/_{2}$	RT3$^{1}/_{2}$-3-3$^{1}/_{2}$-SS	RT3$^{1}/_{2}$-3-3$^{1}/_{2}$-316SS	RT3$^{1}/_{2}$-3-3$^{1}/_{2}$-NP	27/32	5/16	15/32
5/32 / 4mm	5/32 / 4mm	1/16	RT3$^{1}/_{2}$-3$^{1}/_{2}$-1	RT3$^{1}/_{2}$-3$^{1}/_{2}$-1-SS	RT3$^{1}/_{2}$-3$^{1}/_{2}$-1-316SS	RT3$^{1}/_{2}$-3$^{1}/_{2}$-1-NP	3/4	5/16	1/2
5/32 / 4mm	5/32 / 4mm	5/64 / 2mm	RT3$^{1}/_{2}$-3$^{1}/_{2}$-2	RT3$^{1}/_{2}$-3$^{1}/_{2}$-2-SS	RT3$^{1}/_{2}$-3$^{1}/_{2}$-2-316SS	RT3$^{1}/_{2}$-3$^{1}/_{2}$-2-NP	3/4	5/16	1/2
5/32 / 4mm	5/32 / 4mm	3/32	RT3$^{1}/_{2}$-3$^{1}/_{2}$-2$^{1}/_{2}$	RT3$^{1}/_{2}$-3$^{1}/_{2}$-2$^{1}/_{2}$-SS	RT3$^{1}/_{2}$-3$^{1}/_{2}$-2$^{1}/_{2}$-316SS	RT3$^{1}/_{2}$-3$^{1}/_{2}$-2$^{1}/_{2}$-NP	3/4	5/16	1/2
5/32 / 4mm	5/32 / 4mm	1/8	RT3$^{1}/_{2}$-3$^{1}/_{2}$-3	RT3$^{1}/_{2}$-3$^{1}/_{2}$-3-SS	RT3$^{1}/_{2}$-3$^{1}/_{2}$-3-316SS	RT3$^{1}/_{2}$-3$^{1}/_{2}$-3-NP	27/32	5/16	1/2
5/32 / 4mm	.170	1/16	RT3$^{1}/_{2}$-4-1	RT3$^{1}/_{2}$-4-1-SS	RT3$^{1}/_{2}$-4-1-316SS	RT3$^{1}/_{2}$-4-1-NP	25/32	5/16	1/2
5/32 / 4mm	.170	5/64 / 2mm	RT3$^{1}/_{2}$-4-2	RT3$^{1}/_{2}$-4-2-SS	RT3$^{1}/_{2}$-4-2-316SS	RT3$^{1}/_{2}$-4-2-NP	25/32	5/16	1/2
5/32 / 4mm	.170	3/32	RT3$^{1}/_{2}$-4-2$^{1}/_{2}$	RT3$^{1}/_{2}$-4-2$^{1}/_{2}$-SS	RT3$^{1}/_{2}$-4-2$^{1}/_{2}$-316SS	RT3$^{1}/_{2}$-4-2$^{1}/_{2}$-NP	25/32	5/16	1/2
5/32 / 4mm	.170	1/8	RT3$^{1}/_{2}$-4-3	RT3$^{1}/_{2}$-4-3-SS	RT3$^{1}/_{2}$-4-3-316SS	RT3$^{1}/_{2}$-4-3-NP	7/8	5/16	1/2
5/32 / 4mm	.170	5/32 / 4mm	RT3$^{1}/_{2}$-4-3$^{1}/_{2}$	RT3$^{1}/_{2}$-4-3$^{1}/_{2}$-SS	RT3$^{1}/_{2}$-4-3$^{1}/_{2}$-316SS	RT3$^{1}/_{2}$-4-3$^{1}/_{2}$-NP	7/8	5/16	1/2
5/32 / 4mm	3/16	1/16	RT3$^{1}/_{2}$-5-1	RT3$^{1}/_{2}$-5-1-SS	RT3$^{1}/_{2}$-5-1-316SS	RT3$^{1}/_{2}$-5-1-NP	25/32	5/16	9/16
5/32 / 4mm	3/16	5/64 / 2mm	RT3$^{1}/_{2}$-5-2	RT3$^{1}/_{2}$-5-2-SS	RT3$^{1}/_{2}$-5-2-316SS	RT3$^{1}/_{2}$-5-2-NP	25/32	5/16	9/16
5/32 / 4mm	3/16	3/32	RT3$^{1}/_{2}$-5-2$^{1}/_{2}$	RT3$^{1}/_{2}$-5-2$^{1}/_{2}$-SS	RT3$^{1}/_{2}$-5-2$^{1}/_{2}$-316SS	RT3$^{1}/_{2}$-5-2$^{1}/_{2}$-NP	25/32	5/16	9/16
5/32 / 4mm	3/16	1/8	RT3$^{1}/_{2}$-5-3	RT3$^{1}/_{2}$-5-3-SS	RT3$^{1}/_{2}$-5-3-316SS	RT3$^{1}/_{2}$-5-3-NP	7/8	5/16	9/16
5/32 / 4mm	3/16	5/32 / 4mm	RT3$^{1}/_{2}$-5-3$^{1}/_{2}$	RT3$^{1}/_{2}$-5-3$^{1}/_{2}$-SS	RT3$^{1}/_{2}$-5-3$^{1}/_{2}$-316SS	RT3$^{1}/_{2}$-5-3$^{1}/_{2}$-NP	7/8	5/16	9/16
.170	1/16	1/16	RT4-1-1	RT4-1-1-SS	RT4-1-1-316SS	RT4-1-1-NP	13/16	5/16	3/8
.170	1/16	5/64 / 2mm	RT4-1-2	RT4-1-2-SS	RT4-1-2-316SS	RT4-1-2-NP	13/16	5/16	3/8
.170	1/16	3/32	RT4-1-2$^{1}/_{2}$	RT4-1-2$^{1}/_{2}$-SS	RT4-1-2$^{1}/_{2}$-316SS	RT4-1-2$^{1}/_{2}$-NP	13/16	5/16	3/8

22 Reducing Tees (cont.) A

Tube ID			Part Numbers				Dimensions (Reference)		
9 O'clock	12 O'clock	3 O'clock	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
.170	1/16	1/8	RT4-1-3	RT4-1-3-SS	RT4-1-3-316SS	RT4-1-3-NP	29/32	5/16	3/8
.170	1/16	5/32 / 4mm	RT4-1-3 1/2	RT4-1-3 1/2-SS	RT4-1-3 1/2-316SS	RT4-1-3 1/2-NP	29/32	5/16	3/8
.170	1/16	.170	RT4-1-4	RT4-1-4-SS	RT4-1-4-316SS	RT4-1-4-NP	15/16	5/16	3/8
.170	5/64 / 2mm	1/16	RT4-2-1	RT4-2-1-SS	RT4-2-1-316SS	RT4-2-1-NP	13/16	5/16	3/8
.170	5/64 / 2mm	5/64 / 2mm	RT4-2-2	RT4-2-2-SS	RT4-2-2-316SS	RT4-2-2-NP	13/16	5/16	3/8
.170	5/64 / 2mm	3/32	RT4-2-2 1/2	RT4-2-2 1/2-SS	RT4-2-2 1/2-316SS	RT4-2-2 1/2-NP	13/16	5/16	3/8
.170	5/64 / 2mm	1/8	RT4-2-3	RT4-2-3-SS	RT4-2-3-316SS	RT4-2-3-NP	29/32	5/16	3/8
.170	5/64 / 2mm	5/32 / 4mm	RT4-2-3 1/2	RT4-2-3 1/2-SS	RT4-2-3 1/2-316SS	RT4-2-3 1/2-NP	29/32	5/16	3/8
.170	5/64 / 2mm	.170	RT4-2-4	RT4-2-4-SS	RT4-2-4-316SS	RT4-2-4-NP	15/16	5/16	3/8
.170	3/32	1/16	RT4-2 1/2-1	RT4-2 1/2-1-SS	RT4-2 1/2-1-316SS	RT4-2 1/2-1-NP	13/16	5/16	3/8
.170	3/32	5/64 / 2mm	RT4-2 1/2-2	RT4-2 1/2-2-SS	RT4-2 1/2-2-316SS	RT4-2 1/2-2-NP	13/16	5/16	3/8
.170	3/32	1/8	RT4-2 1/2-3	RT4-2 1/2-3-SS	RT4-2 1/2-3-316SS	RT4-2 1/2-3-NP	29/32	5/16	3/8
.170	3/32	5/32 / 4mm	RT4-2 1/2-3 1/2	RT4-2 1/2-3 1/2-SS	RT4-2 1/2-3 1/2-316SS	RT4-2 1/2-3 1/2-NP	29/32	5/16	3/8
.170	3/32	.170	RT4-2 1/2-4	RT4-2 1/2-4-SS	RT4-2 1/2-4-316SS	RT4-2 1/2-4-NP	15/16	5/16	3/8
.170	1/8	1/16	RT4-3-1	RT4-3-1-SS	RT4-3-1-316SS	RT4-3-1-NP	13/16	5/16	15/32
.170	1/8	5/64 / 2mm	RT4-3-2	RT4-3-2-SS	RT4-3-2-316SS	RT4-3-2-NP	13/16	5/16	15/32
.170	1/8	3/32	RT4-3-2 1/2	RT4-3-2 1/2-SS	RT4-3-2 1/2-316SS	RT4-3-2 1/2-NP	13/16	5/16	15/32
.170	1/8	1/8	RT4-3-3	RT4-3-3-SS	RT4-3-3-316SS	RT4-3-3-NP	29/32	5/16	15/32
.170	1/8	5/32 / 4mm	RT4-3-3 1/2	RT4-3-3 1/2-SS	RT4-3-3 1/2-316SS	RT4-3-3 1/2-NP	29/32	5/16	15/32
.170	1/8	.170	RT4-3-4	RT4-3-4-SS	RT4-3-4-316SS	RT4-3-4-NP	15/16	5/16	15/32
.170	5/32 / 4mm	1/16	RT4-3 1/2-1	RT4-3 1/2-1-SS	RT4-3 1/2-1-316SS	RT4-3 1/2-1-NP	13/16	5/16	1/2
.170	5/32 / 4mm	5/64 / 2mm	RT4-3 1/2-2	RT4-3 1/2-2-SS	RT4-3 1/2-2-316SS	RT4-3 1/2-2-NP	13/16	5/16	1/2
.170	5/32 / 4mm	3/32	RT4-3 1/2-2 1/2	RT4-3 1/2-2 1/2-SS	RT4-3 1/2-2 1/2-316SS	RT4-3 1/2-2 1/2-NP	13/16	5/16	1/2
.170	5/32 / 4mm	1/8	RT4-3 1/2-3	RT4-3 1/2-3-SS	RT4-3 1/2-3-316SS	RT4-3 1/2-3-NP	29/32	5/16	1/2
.170	5/32 / 4mm	5/32 / 4mm	RT4-3 1/2-3 1/2	RT4-3 1/2-3 1/2-SS	RT4-3 1/2-3 1/2-316SS	RT4-3 1/2-3 1/2-NP	29/32	5/16	1/2
.170	5/32 / 4mm	.170	RT4-3 1/2-4	RT4-3 1/2-4-SS	RT4-3 1/2-4-316SS	RT4-3 1/2-4-NP	15/16	5/16	1/2
.170	.170	1/16	RT4-4-1	RT4-4-1-SS	RT4-4-1-316SS	RT4-4-1-NP	13/16	5/16	1/2
.170	.170	5/64 / 2mm	RT4-4-2	RT4-4-2-SS	RT4-4-2-316SS	RT4-4-2-NP	13/16	5/16	1/2
.170	.170	3/32	RT4-4-2 1/2	RT4-4-2 1/2-SS	RT4-4-2 1/2-316SS	RT4-4-2 1/2-NP	13/16	5/16	1/2
.170	.170	1/8	RT4-4-3	RT4-4-3-SS	RT4-4-3-316SS	RT4-4-3-NP	29/32	5/16	1/2
.170	.170	5/32 / 4mm	RT4-4-3 1/2	RT4-4-3 1/2-SS	RT4-4-3 1/2-316SS	RT4-4-3 1/2-NP	29/32	5/16	1/2
.170	3/16	1/16	RT4-5-1	RT4-5-1-SS	RT4-5-1-316SS	RT4-5-1-NP	13/16	5/16	9/16
.170	3/16	5/64 / 2mm	RT4-5-2	RT4-5-2-SS	RT4-5-2-316SS	RT4-5-2-NP	13/16	5/16	9/16
.170	3/16	3/32	RT4-5-2 1/2	RT4-5-2 1/2-SS	RT4-5-2 1/2-316SS	RT4-5-2 1/2-NP	13/16	5/16	9/16
.170	3/16	1/8	RT4-5-3	RT4-5-3-SS	RT4-5-3-316SS	RT4-5-3-NP	29/32	5/16	9/16
.170	3/16	5/32 / 4mm	RT4-5-3 1/2	RT4-5-3 1/2-SS	RT4-5-3 1/2-316SS	RT4-5-3 1/2-NP	29/32	5/16	9/16
.170	3/16	.170	RT4-5-4	RT4-5-4-SS	RT4-5-4-316SS	RT4-5-4-NP	15/16	5/16	9/16
3/16	1/16	1/16	RT5-1-1	RT5-1-1-SS	RT5-1-1-316SS	RT5-1-1-NP	27/32	5/16	3/8
3/16	1/16	5/64 / 2mm	RT5-1-2	RT5-1-2-SS	RT5-1-2-316SS	RT5-1-2-NP	27/32	5/16	3/8
3/16	1/16	3/32	RT5-1-2 1/2	RT5-1-2 1/2-SS	RT5-1-2 1/2-316SS	RT5-1-2 1/2-NP	27/32	5/16	3/8

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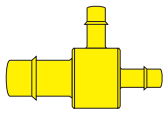
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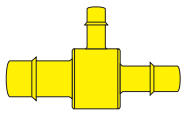
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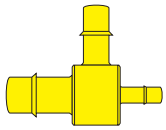
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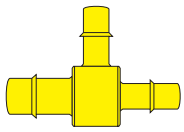
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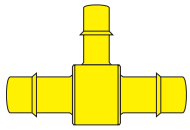
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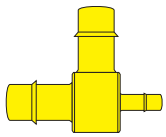
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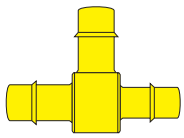
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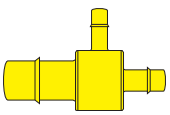
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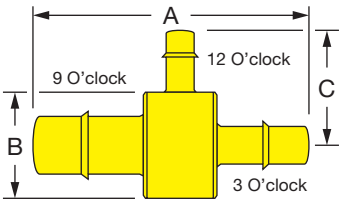
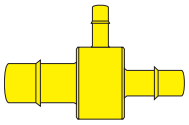
Reducing Tees (cont.) 23

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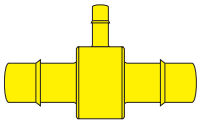
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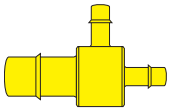
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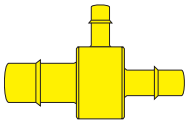
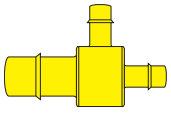
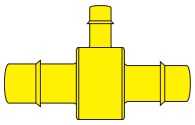
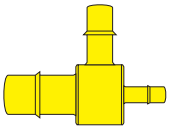
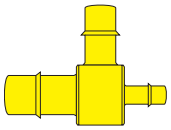
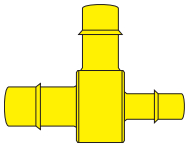

RT5-2-3


RT5-2$^{1}/_{2}$-2$^{1}/_{2}$


RT5-2$^{1}/_{2}$-4


RT5-3-1


RT5-3$^{1}/_{2}$-2

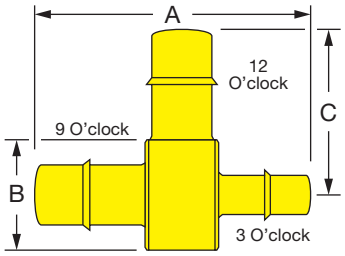

RT5-4-3

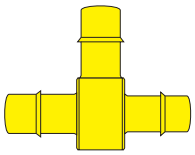
Continued on next page.

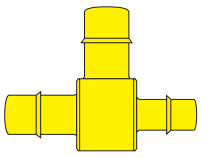
Tube ID			Part Numbers				Dimensions (Reference)		
9 O'clock	12 O'clock	3 O'clock	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
3/16	1/16	1/8	RT5-1-3	RT5-1-3-SS	RT5-1-3-316SS	RT5-1-3-NP	15/16	3/8	13/32
3/16	1/16	5/32 / 4mm	RT5-1-3$^{1}/_{2}$	RT5-1-3$^{1}/_{2}$-SS	RT5-1-3$^{1}/_{2}$-316SS	RT5-1-3$^{1}/_{2}$-NP	15/16	3/8	13/32
3/16	1/16	.170	RT5-1-4	RT5-1-4-SS	RT5-1-4-316SS	RT5-1-4-NP	31/32	3/8	13/32
3/16	1/16	3/16	RT5-1-5	RT5-1-5-SS	RT5-1-5-316SS	RT5-1-5-NP	1.00	3/8	13/32
3/16	5/64 / 2mm	1/16	RT5-2-1	RT5-2-1-SS	RT5-2-1-316SS	RT5-2-1-NP	27/32	5/16	3/8
3/16	5/64 / 2mm	5/64 / 2mm	RT5-2-2	RT5-2-2-SS	RT5-2-2-316SS	RT5-2-2-NP	27/32	5/16	3/8
3/16	5/64 / 2mm	3/32	RT5-2-2$^{1}/_{2}$	RT5-2-2$^{1}/_{2}$-SS	RT5-2-2$^{1}/_{2}$-316SS	RT5-2-2$^{1}/_{2}$-NP	27/32	5/16	3/8
3/16	5/64 / 2mm	1/8	RT5-2-3	RT5-2-3-SS	RT5-2-3-316SS	RT5-2-3-NP	15/16	3/8	13/32
3/16	5/64 / 2mm	5/32 / 4mm	RT5-2-3$^{1}/_{2}$	RT5-2-3$^{1}/_{2}$-SS	RT5-2-3$^{1}/_{2}$-316SS	RT5-2-3$^{1}/_{2}$-NP	15/16	3/8	13/32
3/16	5/64 / 2mm	.170	RT5-2-4	RT5-2-4-SS	RT5-2-4-316SS	RT5-2-4-NP	31/32	3/8	13/32
3/16	5/64 / 2mm	3/16	RT5-2-5	RT5-2-5-SS	RT5-2-5-316SS	RT5-2-5-NP	1.00	3/8	13/32
3/16	3/32	1/16	RT5-2$^{1}/_{2}$-1	RT5-2$^{1}/_{2}$-1-SS	RT5-2$^{1}/_{2}$-1-316SS	RT5-2$^{1}/_{2}$-1-NP	27/32	5/16	3/8
3/16	3/32	5/64 / 2mm	RT5-2$^{1}/_{2}$-2	RT5-2$^{1}/_{2}$-2-SS	RT5-2$^{1}/_{2}$-2-316SS	RT5-2$^{1}/_{2}$-2-NP	27/32	5/16	3/8
3/16	3/32	3/32	RT5-2$^{1}/_{2}$-2$^{1}/_{2}$	RT5-2$^{1}/_{2}$-2$^{1}/_{2}$-SS	RT5-2$^{1}/_{2}$-2$^{1}/_{2}$-316SS	RT5-2$^{1}/_{2}$-2$^{1}/_{2}$-NP	27/32	5/16	3/8
3/16	3/32	1/8	RT5-2$^{1}/_{2}$-3	RT5-2$^{1}/_{2}$-3-SS	RT5-2$^{1}/_{2}$-3-316SS	RT5-2$^{1}/_{2}$-3-NP	15/16	3/8	13/32
3/16	3/32	5/32 / 4mm	RT5-2$^{1}/_{2}$-3$^{1}/_{2}$	RT5-2$^{1}/_{2}$-3$^{1}/_{2}$-SS	RT5-2$^{1}/_{2}$-3$^{1}/_{2}$-316SS	RT5-2$^{1}/_{2}$-3$^{1}/_{2}$-NP	15/16	3/8	13/32
3/16	3/32	.170	RT5-2$^{1}/_{2}$-4	RT5-2$^{1}/_{2}$-4-SS	RT5-2$^{1}/_{2}$-4-316SS	RT5-2$^{1}/_{2}$-4-NP	31/32	3/8	13/32
3/16	3/32	3/16	RT5-2$^{1}/_{2}$-5	RT5-2$^{1}/_{2}$-5-SS	RT5-2$^{1}/_{2}$-5-316SS	RT5-2$^{1}/_{2}$-5-NP	1.00	3/8	13/32
3/16	1/8	1/16	RT5-3-1	RT5-3-1-SS	RT5-3-1-316SS	RT5-3-1-NP	27/32	5/16	15/32
3/16	1/8	5/64 / 2mm	RT5-3-2	RT5-3-2-SS	RT5-3-2-316SS	RT5-3-2-NP	27/32	5/16	15/32
3/16	1/8	3/32	RT5-3-2$^{1}/_{2}$	RT5-3-2$^{1}/_{2}$-SS	RT5-3-2$^{1}/_{2}$-316SS	RT5-3-2$^{1}/_{2}$-NP	27/32	5/16	15/32
3/16	1/8	1/8	RT5-3-3	RT5-3-3-SS	RT5-3-3-316SS	RT5-3-3-NP	15/16	3/8	1/2
3/16	1/8	5/32 / 4mm	RT5-3-3$^{1}/_{2}$	RT5-3-3$^{1}/_{2}$-SS	RT5-3-3$^{1}/_{2}$-316SS	RT5-3-3$^{1}/_{2}$-NP	15/16	3/8	1/2
3/16	1/8	.170	RT5-3-4	RT5-3-4-SS	RT5-3-4-316SS	RT5-3-4-NP	31/32	3/8	1/2
3/16	1/8	3/16	RT5-3-5	RT5-3-5-SS	RT5-3-5-316SS	RT5-3-5-NP	1.00	3/8	1/2
3/16	5/32 / 4mm	1/16	RT5-3$^{1}/_{2}$-1	RT5-3$^{1}/_{2}$-1-SS	RT5-3$^{1}/_{2}$-1-316SS	RT5-3$^{1}/_{2}$-1-NP	27/32	5/16	15/32
3/16	5/32 / 4mm	5/64 / 2mm	RT5-3$^{1}/_{2}$-2	RT5-3$^{1}/_{2}$-2-SS	RT5-3$^{1}/_{2}$-2-316SS	RT5-3$^{1}/_{2}$-2-NP	27/32	5/16	15/32
3/16	5/32 / 4mm	3/32	RT5-3$^{1}/_{2}$-2$^{1}/_{2}$	RT5-3$^{1}/_{2}$-2$^{1}/_{2}$-SS	RT5-3$^{1}/_{2}$-2$^{1}/_{2}$-316SS	RT5-3$^{1}/_{2}$-2$^{1}/_{2}$-NP	27/32	5/16	15/32
3/16	5/32 / 4mm	1/8	RT5-3$^{1}/_{2}$-3	RT5-3$^{1}/_{2}$-3-SS	RT5-3$^{1}/_{2}$-3-316SS	RT5-3$^{1}/_{2}$-3-NP	15/16	3/8	1/2
3/16	5/32 / 4mm	5/32 / 4mm	RT5-3$^{1}/_{2}$-3$^{1}/_{2}$	RT5-3$^{1}/_{2}$-3$^{1}/_{2}$-SS	RT5-3$^{1}/_{2}$-3$^{1}/_{2}$-316SS	RT5-3$^{1}/_{2}$-3$^{1}/_{2}$-NP	5/16	3/8	1/2
3/16	5/32 / 4mm	.170	RT5-3$^{1}/_{2}$-4	RT5-3$^{1}/_{2}$-4-SS	RT5-3$^{1}/_{2}$-4-316SS	RT5-3$^{1}/_{2}$-4-NP	31/32	3/8	1/2
3/16	5/32 / 4mm	3/16	RT5-3$^{1}/_{2}$-5	RT5-3$^{1}/_{2}$-5-SS	RT5-3$^{1}/_{2}$-5-316SS	RT5-3$^{1}/_{2}$-5-NP	1.00	3/8	1/2
3/16	.170	1/16	RT5-4-1	RT5-4-1-SS	RT5-4-1-316SS	RT5-4-1-NP	27/32	5/16	1/2
3/16	.170	5/64 / 2mm	RT5-4-2	RT5-4-2-SS	RT5-4-2-316SS	RT5-4-2-NP	27/32	5/16	1/2
3/16	.170	3/32	RT5-4-2$^{1}/_{2}$	RT5-4-2$^{1}/_{2}$-SS	RT5-4-2$^{1}/_{2}$-316SS	RT5-4-2$^{1}/_{2}$-NP	27/32	5/16	1/2
3/16	.170	1/8	RT5-4-3	RT5-4-3-SS	RT5-4-3-316SS	RT5-4-3-NP	15/16	3/8	17/32
3/16	.170	5/32 / 4mm	RT5-4-3$^{1}/_{2}$	RT5-4-3$^{1}/_{2}$-SS	RT5-4-3$^{1}/_{2}$-316SS	RT5-4-3$^{1}/_{2}$-NP	15/16	3/8	17/32
3/16	.170	.170	RT5-4-4	RT5-4-4-SS	RT5-4-4-316SS	RT5-4-4-NP	31/32	3/8	17/32
3/16	.170	3/16	RT5-4-5	RT5-4-5-SS	RT5-4-5-316SS	RT5-4-5-NP	1.00	3/8	17/32
3/16	3/16	1/16	RT5-5-1	RT5-5-1-SS	RT5-5-1-316SS	RT5-5-1-NP	27/32	5/16	17/32

24 Reducing Tees (cont.) A

Tube ID			Part Numbers				Dimensions (Reference)		
9 O'clock	12 O'clock	3 O'clock	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
3/16	3/16	5/64 / 2mm	RT5-5-2	RT5-5-2-SS	RT5-5-2-316SS	RT5-5-2-NP	27/32	5/16	17/32
3/16	3/16	3/32	RT5-5-2 1/2	RT5-5-2 1/2-SS	RT5-5-2 1/2-316SS	RT5-5-2 1/2-NP	27/32	5/16	17/32
3/16	3/16	1/8	RT5-5-3	RT5-5-3-SS	RT5-5-3-316SS	RT5-5-3-NP	15/16	3/8	9/16
3/16	3/16	5/32 / 4mm	RT5-5-3 1/2	RT5-5-3 1/2-SS	RT5-5-3 1/2-316SS	RT5-5-3 1/2-NP	15/16	3/8	9/16
3/16	3/16	.170	RT5-5-4	RT5-5-4-SS	RT5-5-4-316SS	RT5-5-4-NP	31/32	3/8	9/16
3/16	7/32	1/16	RT5-5 1/2-1	RT5-5 1/2-1-SS	RT5-5 1/2-1-316SS	RT5-5 1/2-1-NP	27/32	5/16	17/32
3/16	7/32	5/64 / 2mm	RT5-5 1/2-2	RT5-5 1/2-2-SS	RT5-5 1/2-2-316SS	RT5-5 1/2-2-NP	27/32	5/16	17/32
3/16	7/32	3/32	RT5-5 1/2-2 1/2	RT5-5 1/2-2 1/2-SS	RT5-5 1/2-2 1/2-316SS	RT5-5 1/2-2 1/2-NP	27/32	5/16	17/32
3/16	7/32	1/8	RT5-5 1/2-3	RT5-5 1/2-3-SS	RT5-5 1/2-3-316SS	RT5-5 1/2-3-NP	15/16	3/8	9/16
3/16	7/32	5/32 / 4mm	RT5-5 1/2-3 1/2	RT5-5 1/2-3 1/2-SS	RT5-5 1/2-3 1/2-316SS	RT5-5 1/2-3 1/2-NP	15/16	3/8	9/16
3/16	7/32	.170	RT5-5 1/2-4	RT5-5 1/2-4-SS	RT5-5 1/2-4-316SS	RT5-5 1/2-4-NP	31/32	3/8	9/16
3/16	7/32	3/16	RT5-5 1/2-5	RT5-5 1/2-5-SS	RT5-5 1/2-5-316SS	RT5-5 1/2-5-NP	1.00	3/8	9/16
3/16	6mm	1/16	RT5-5 3/4-1	RT5-5 3/4-1-SS	RT5-5 3/4-1-316SS	RT5-5 3/4-1-NP	29/32	3/8	11/16
3/16	6mm	5/64 / 2mm	RT5-5 3/4-2	RT5-5 3/4-2-SS	RT5-5 3/4-2-316SS	RT5-5 3/4-2-NP	29/32	3/8	11/16
3/16	6mm	3/32	RT5-5 3/4-2 1/2	RT5-5 3/4-2 1/2-SS	RT5-5 3/4-2 1/2-316SS	RT5-5 3/4-2 1/2-NP	29/32	3/8	11/16
3/16	6mm	1/8	RT5-5 3/4-3	RT5-5 3/4-3-SS	RT5-5 3/4-3-316SS	RT5-5 3/4-3-NP	1.00	3/8	11/16
3/16	6mm	5/32 / 4mm	RT5-5 3/4-3 1/2	RT5-5 3/4-3 1/2-SS	RT5-5 3/4-3 1/2-316SS	RT5-5 3/4-3 1/2-NP	1.00	3/8	11/16
3/16	6mm	.170	RT5-5 3/4-4	RT5-5 3/4-4-SS	RT5-5 3/4-4-316SS	RT5-5 3/4-4-NP	1 1/32	3/8	11/16
3/16	6mm	3/16	RT5-5 3/4-5	RT5-5 3/4-5-SS	RT5-5 3/4-5-316SS	RT5-5 3/4-5-NP	1 1/16	3/8	11/16
3/16	1/4	1/16	RT5-6-1	RT5-6-1-SS	RT5-6-1-316SS	RT5-6-1-NP	29/32	5/16	11/16
3/16	1/4	5/64 / 2mm	RT5-6-2	RT5-6-2-SS	RT5-6-2-316SS	RT5-6-2-NP	29/32	5/16	11/16
3/16	1/4	3/32	RT5-6-2 1/2	RT5-6-2 1/2-SS	RT5-6-2 1/2-316SS	RT5-6-2 1/2-NP	29/32	5/16	11/16
3/16	1/4	1/8	RT5-6-3	RT5-6-3-SS	RT5-6-3-316SS	RT5-6-3-NP	1.00	3/8	11/16
3/16	1/4	5/32 / 4mm	RT5-6-3 1/2	RT5-6-3 1/2-SS	RT5-6-3 1/2-316SS	RT5-6-3 1/2-NP	1.00	3/8	11/16
3/16	1/4	.170	RT5-6-4	RT5-6-4-SS	RT5-6-4-316SS	RT5-6-4-NP	1 1/16	3/8	11/16
3/16	1/4	3/16	RT5-6-5	RT5-6-5-SS	RT5-6-5-316SS	RT5-6-5-NP	1 1/16	3/8	11/16
7/32	1/16	1/16	RT5 1/2-1-1	RT5 1/2-1-1-SS	RT5 1/2-1-1-316SS	RT5 1/2-1-1-NP	27/32	5/16	3/8
7/32	1/16	5/64 / 2mm	RT5 1/2-1-2	RT5 1/2-1-2-SS	RT5 1/2-1-2-316SS	RT5 1/2-1-2-NP	27/32	5/16	3/8
7/32	1/16	3/32	RT5 1/2-1-2 1/2	RT5 1/2-1-2 1/2-SS	RT5 1/2-1-2 1/2-316SS	RT5 1/2-1-2 1/2-NP	27/32	5/16	3/8
7/32	1/16	1/8	RT5 1/2-1-3	RT5 1/2-1-3-SS	RT5 1/2-1-3-316SS	RT5 1/2-1-3-NP	15/16	3/8	13/32
7/32	1/16	5/32 / 4mm	RT5 1/2-1-3 1/2	RT5 1/2-1-3 1/2-SS	RT5 1/2-1-3 1/2-316SS	RT5 1/2-1-3 1/2-NP	15/16	3/8	13/32
7/32	1/16	.170	RT5 1/2-1-4	RT5 1/2-1-4-SS	RT5 1/2-1-4-316SS	RT5 1/2-1-4-NP	31/32	3/8	13/32
7/32	1/16	3/16	RT5 1/2-1-5	RT5 1/2-1-5-SS	RT5 1/2-1-5-316SS	RT5 1/2-1-5-NP	1.00	3/8	13/32
7/32	1/16	7/32	RT5 1/2-1-5 1/2	RT5 1/2-1-5 1/2-SS	RT5 1/2-1-5 1/2-316SS	RT5 1/2-1-5 1/2-NP	1.00	3/8	13/32
7/32	5/64 / 2mm	1/16	RT5 1/2-2-1	RT5 1/2-2-1-SS	RT5 1/2-2-1-316SS	RT5 1/2-2-1-NP	27/32	5/16	3/8
7/32	5/64 / 2mm	5/64 / 2mm	RT5 1/2-2-2	RT5 1/2-2-2-SS	RT5 1/2-2-2-316SS	RT5 1/2-2-2-NP	27/32	5/16	3/8
7/32	5/64 / 2mm	3/32	RT5 1/2-2-2 1/2	RT5 1/2-2-2 1/2-SS	RT5 1/2-2-2 1/2-316SS	RT5 1/2-2-2 1/2-NP	27/32	5/16	3/8
7/32	5/64 / 2mm	1/8	RT5 1/2-2-3	RT5 1/2-2-3-SS	RT5 1/2-2-3-316SS	RT5 1/2-2-3-NP	15/16	3/8	13/32
7/32	5/64 / 2mm	5/32 / 4mm	RT5 1/2-2-3 1/2	RT5 1/2-2-3 1/2-SS	RT5 1/2-2-3 1/2-316SS	RT5 1/2-2-3 1/2-NP	15/16	3/8	13/32
7/32	5/64 / 2mm	.170	RT5 1/2-2-4	RT5 1/2-2-4-SS	RT5 1/2-2-4-316SS	RT5 1/2-2-4-NP	31/32	3/8	13/32




RT5-5-4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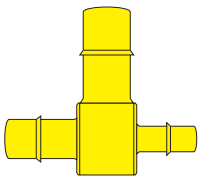
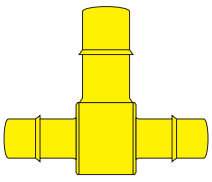
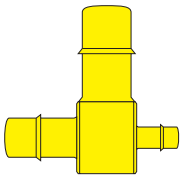
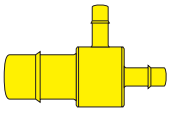
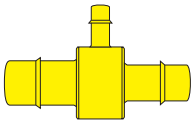

RT5-5 3/4-3


RT5-5 3/4-5


RT5-6-2 1/2


RT5 1/2-1-2

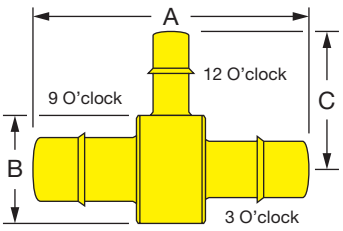

RT5 1/2-2-4

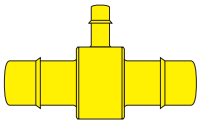
Continued on next page.

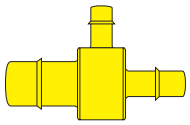
See page 518 for Square Bodies!

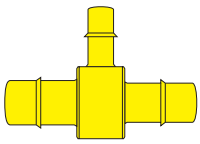
A

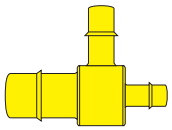
Reducing Tees (cont.) 25

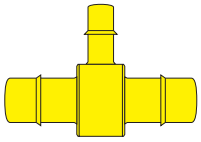


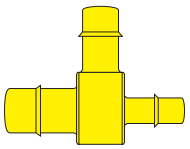

RT5$^{1}/_{2}$-2-5$^{1}/_{2}$

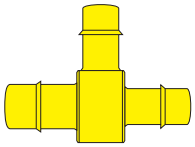

RT5$^{1}/_{2}$-2$^{1}/_{2}$-3

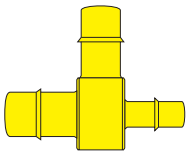

RT5$^{1}/_{2}$-3-5


RT5$^{1}/_{2}$-3$^{1}/_{2}$-2$^{1}/_{2}$


RT5$^{1}/_{2}$-3$^{1}/_{2}$-5$^{1}/_{2}$


RT5$^{1}/_{2}$-4-3


RT5$^{1}/_{2}$-4-4


RT5$^{1}/_{2}$-5-3

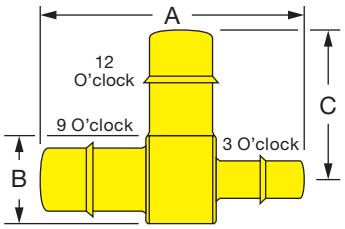
Tube ID			Part Numbers				Dimensions (Reference)		
9 O'clock	12 O'clock	3 O'clock	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
7/32	5/64 / 2mm	3/16	RT5$^{1}/_{2}$-2-5	RT5$^{1}/_{2}$-2-5-SS	RT5$^{1}/_{2}$-2-5-316SS	RT5$^{1}/_{2}$-2-5-NP	1.00	3/8	13/32
7/32	5/64 / 2mm	7/32	RT5$^{1}/_{2}$-2-5$^{1}/_{2}$	RT5$^{1}/_{2}$-2-5$^{1}/_{2}$-SS	RT5$^{1}/_{2}$-2-5$^{1}/_{2}$-316SS	RT5$^{1}/_{2}$-2-5$^{1}/_{2}$-NP	1.00	3/8	13/32
7/32	3/32	1/16	RT5$^{1}/_{2}$-2$^{1}/_{2}$-1	RT5$^{1}/_{2}$-2$^{1}/_{2}$-1-SS	RT5$^{1}/_{2}$-2$^{1}/_{2}$-1-316SS	RT5$^{1}/_{2}$-2$^{1}/_{2}$-1-NP	27/32	5/16	3/8
7/32	3/32	5/64 / 2mm	RT5$^{1}/_{2}$-2$^{1}/_{2}$-2	RT5$^{1}/_{2}$-2$^{1}/_{2}$-2-SS	RT5$^{1}/_{2}$-2$^{1}/_{2}$-2-316SS	RT5$^{1}/_{2}$-2$^{1}/_{2}$-2-NP	27/32	5/16	3/8
7/32	3/32	3/32	RT5$^{1}/_{2}$-2$^{1}/_{2}$-2$^{1}/_{2}$	RT5$^{1}/_{2}$-2$^{1}/_{2}$-2$^{1}/_{2}$-SS	RT5$^{1}/_{2}$-2$^{1}/_{2}$-2$^{1}/_{2}$-316SS	RT5$^{1}/_{2}$-2$^{1}/_{2}$-2$^{1}/_{2}$-NP	27/32	5/16	3/8
7/32	3/32	1/8	RT5$^{1}/_{2}$-2$^{1}/_{2}$-3	RT5$^{1}/_{2}$-2$^{1}/_{2}$-3-SS	RT5$^{1}/_{2}$-2$^{1}/_{2}$-3-316SS	RT5$^{1}/_{2}$-2$^{1}/_{2}$-3-NP	15/16	3/8	13/32
7/32	3/32	5/32 / 4mm	RT5$^{1}/_{2}$-2$^{1}/_{2}$-3$^{1}/_{2}$	RT5$^{1}/_{2}$-2$^{1}/_{2}$-3$^{1}/_{2}$-SS	RT5$^{1}/_{2}$-2$^{1}/_{2}$-3$^{1}/_{2}$-316SS	RT5$^{1}/_{2}$-2$^{1}/_{2}$-3$^{1}/_{2}$-NP	1.00	3/8	13/32
7/32	3/32	.170	RT5$^{1}/_{2}$-2$^{1}/_{2}$-4	RT5$^{1}/_{2}$-2$^{1}/_{2}$-4-SS	RT5$^{1}/_{2}$-2$^{1}/_{2}$-4-316SS	RT5$^{1}/_{2}$-2$^{1}/_{2}$-4-NP	31/32	3/8	13/32
7/32	3/32	3/16	RT5$^{1}/_{2}$-2$^{1}/_{2}$-5	RT5$^{1}/_{2}$-2$^{1}/_{2}$-5-SS	RT5$^{1}/_{2}$-2$^{1}/_{2}$-5-316SS	RT5$^{1}/_{2}$-2$^{1}/_{2}$-5-NP	1.00	3/8	13/32
7/32	3/32	7/32	RT5$^{1}/_{2}$-2$^{1}/_{2}$-5$^{1}/_{2}$	RT5$^{1}/_{2}$-2$^{1}/_{2}$-5$^{1}/_{2}$-SS	RT5$^{1}/_{2}$-2$^{1}/_{2}$-5$^{1}/_{2}$-316SS	RT5$^{1}/_{2}$-2$^{1}/_{2}$-5$^{1}/_{2}$-NP	1 1/16	3/8	13/32
7/32	1/8	1/16	RT5$^{1}/_{2}$-3-1	RT5$^{1}/_{2}$-3-1-SS	RT5$^{1}/_{2}$-3-1-316SS	RT5$^{1}/_{2}$-3-1-NP	27/32	5/16	15/32
7/32	1/8	5/64 / 2mm	RT5$^{1}/_{2}$-3-2	RT5$^{1}/_{2}$-3-2-SS	RT5$^{1}/_{2}$-3-2-316SS	RT5$^{1}/_{2}$-3-2-NP	27/32	5/16	15/32
7/32	1/8	3/32	RT5$^{1}/_{2}$-3-2$^{1}/_{2}$	RT5$^{1}/_{2}$-3-2$^{1}/_{2}$-SS	RT5$^{1}/_{2}$-3-2$^{1}/_{2}$-316SS	RT5$^{1}/_{2}$-3-2$^{1}/_{2}$-NP	27/32	5/16	15/32
7/32	1/8	1/8	RT5$^{1}/_{2}$-3-3	RT5$^{1}/_{2}$-3-3-SS	RT5$^{1}/_{2}$-3-3-316SS	RT5$^{1}/_{2}$-3-3-NP	1.00	3/8	1/2
7/32	1/8	5/32 / 4mm	RT5$^{1}/_{2}$-3-3$^{1}/_{2}$	RT5$^{1}/_{2}$-3-3$^{1}/_{2}$-SS	RT5$^{1}/_{2}$-3-3$^{1}/_{2}$-316SS	RT5$^{1}/_{2}$-3-3$^{1}/_{2}$-NP	1.00	3/8	1/2
7/32	1/8	.170	RT5$^{1}/_{2}$-3-4	RT5$^{1}/_{2}$-3-4-SS	RT5$^{1}/_{2}$-3-4-316SS	RT5$^{1}/_{2}$-3-4-NP	31/32	3/8	1/2
7/32	1/8	3/16	RT5$^{1}/_{2}$-3-5	RT5$^{1}/_{2}$-3-5-SS	RT5$^{1}/_{2}$-3-5-316SS	RT5$^{1}/_{2}$-3-5-NP	1 1/16	3/8	1/2
7/32	1/8	7/32	RT5$^{1}/_{2}$-3-5$^{1}/_{2}$	RT5$^{1}/_{2}$-3-5$^{1}/_{2}$-SS	RT5$^{1}/_{2}$-3-5$^{1}/_{2}$-316SS	RT5$^{1}/_{2}$-3-5$^{1}/_{2}$-NP	1 1/16	3/8	1/2
7/32	5/32 / 4mm	1/16	RT5$^{1}/_{2}$-3$^{1}/_{2}$-1	RT5$^{1}/_{2}$-3$^{1}/_{2}$-1-SS	RT5$^{1}/_{2}$-3$^{1}/_{2}$-1-316SS	RT5$^{1}/_{2}$-3$^{1}/_{2}$-1-NP	27/32	5/16	1/2
7/32	5/32 / 4mm	5/64 / 2mm	RT5$^{1}/_{2}$-3$^{1}/_{2}$-2	RT5$^{1}/_{2}$-3$^{1}/_{2}$-2-SS	RT5$^{1}/_{2}$-3$^{1}/_{2}$-2-316SS	RT5$^{1}/_{2}$-3$^{1}/_{2}$-2-NP	27/32	5/16	1/2
7/32	5/32 / 4mm	3/32	RT5$^{1}/_{2}$-3$^{1}/_{2}$-2$^{1}/_{2}$	RT5$^{1}/_{2}$-3$^{1}/_{2}$-2$^{1}/_{2}$-SS	RT5$^{1}/_{2}$-3$^{1}/_{2}$-2$^{1}/_{2}$-316SS	RT5$^{1}/_{2}$-3$^{1}/_{2}$-2$^{1}/_{2}$-NP	27/32	5/16	1/2
7/32	5/32 / 4mm	1/8	RT5$^{1}/_{2}$-3$^{1}/_{2}$-3	RT5$^{1}/_{2}$-3$^{1}/_{2}$-3-SS	RT5$^{1}/_{2}$-3$^{1}/_{2}$-3-316SS	RT5$^{1}/_{2}$-3$^{1}/_{2}$-3-NP	1.00	3/8	1/2
7/32	5/32 / 4mm	5/32 / 4mm	RT5$^{1}/_{2}$-3$^{1}/_{2}$-3$^{1}/_{2}$	RT5$^{1}/_{2}$-3$^{1}/_{2}$-3$^{1}/_{2}$-SS	RT5$^{1}/_{2}$-3$^{1}/_{2}$-3$^{1}/_{2}$-316SS	RT5$^{1}/_{2}$-3$^{1}/_{2}$-3$^{1}/_{2}$-NP	1.00	3/8	1/2
7/32	5/32 / 4mm	.170	RT5$^{1}/_{2}$-3$^{1}/_{2}$-4	RT5$^{1}/_{2}$-3$^{1}/_{2}$-4-SS	RT5$^{1}/_{2}$-3$^{1}/_{2}$-4-316SS	RT5$^{1}/_{2}$-3$^{1}/_{2}$-4-NP	31/32	3/8	1/2
7/32	5/32 / 4mm	3/16	RT5$^{1}/_{2}$-3$^{1}/_{2}$-5	RT5$^{1}/_{2}$-3$^{1}/_{2}$-5-SS	RT5$^{1}/_{2}$-3$^{1}/_{2}$-5-316SS	RT5$^{1}/_{2}$-3$^{1}/_{2}$-5-NP	1.00	3/8	1/2
7/32	5/32 / 4mm	7/32	RT5$^{1}/_{2}$-3$^{1}/_{2}$-5$^{1}/_{2}$	RT5$^{1}/_{2}$-3$^{1}/_{2}$-5$^{1}/_{2}$-SS	RT5$^{1}/_{2}$-3$^{1}/_{2}$-5$^{1}/_{2}$-316SS	RT5$^{1}/_{2}$-3$^{1}/_{2}$-5$^{1}/_{2}$-NP	1 1/16	3/8	1/2
7/32	.170	1/16	RT5$^{1}/_{2}$-4-1	RT5$^{1}/_{2}$-4-1-SS	RT5$^{1}/_{2}$-4-1-316SS	RT5$^{1}/_{2}$-4-1-NP	27/32	5/16	1/2
7/32	.170	5/64 / 2mm	RT5$^{1}/_{2}$-4-2	RT5$^{1}/_{2}$-4-2-SS	RT5$^{1}/_{2}$-4-2-316SS	RT5$^{1}/_{2}$-4-2-NP	27/32	5/16	1/2
7/32	.170	3/32	RT5$^{1}/_{2}$-4-2$^{1}/_{2}$	RT5$^{1}/_{2}$-4-2$^{1}/_{2}$-SS	RT5$^{1}/_{2}$-4-2$^{1}/_{2}$-316SS	RT5$^{1}/_{2}$-4-2$^{1}/_{2}$-NP	27/32	5/16	1/2
7/32	.170	1/8	RT5$^{1}/_{2}$-4-3	RT5$^{1}/_{2}$-4-3-SS	RT5$^{1}/_{2}$-4-3-316SS	RT5$^{1}/_{2}$-4-3-NP	31/32	3/8	17/32
7/32	.170	5/32 / 4mm	RT5$^{1}/_{2}$-4-3$^{1}/_{2}$	RT5$^{1}/_{2}$-4-3$^{1}/_{2}$-SS	RT5$^{1}/_{2}$-4-3$^{1}/_{2}$-316SS	RT5$^{1}/_{2}$-4-3$^{1}/_{2}$-NP	1.00	3/8	17/32
7/32	.170	.170	RT5$^{1}/_{2}$-4-4	RT5$^{1}/_{2}$-4-4-SS	RT5$^{1}/_{2}$-4-4-316SS	RT5$^{1}/_{2}$-4-4-NP	1.00	3/8	17/32
7/32	.170	3/16	RT5$^{1}/_{2}$-4-5	RT5$^{1}/_{2}$-4-5-SS	RT5$^{1}/_{2}$-4-5-316SS	RT5$^{1}/_{2}$-4-5-NP	1 1/16	3/8	17/32
7/32	.170	7/32	RT5$^{1}/_{2}$-4-5$^{1}/_{2}$	RT5$^{1}/_{2}$-4-5$^{1}/_{2}$-SS	RT5$^{1}/_{2}$-4-5$^{1}/_{2}$-316SS	RT5$^{1}/_{2}$-4-5$^{1}/_{2}$-NP	1 1/16	3/8	17/32
7/32	3/16	1/16	RT5$^{1}/_{2}$-5-1	RT5$^{1}/_{2}$-5-1-SS	RT5$^{1}/_{2}$-5-1-316SS	RT5$^{1}/_{2}$-5-1-NP	27/32	5/16	17/32
7/32	3/16	5/64 / 2mm	RT5$^{1}/_{2}$-5-2	RT5$^{1}/_{2}$-5-2-SS	RT5$^{1}/_{2}$-5-2-316SS	RT5$^{1}/_{2}$-5-2-NP	27/32	5/16	17/32
7/32	3/16	3/32	RT5$^{1}/_{2}$-5-2$^{1}/_{2}$	RT5$^{1}/_{2}$-5-2$^{1}/_{2}$-SS	RT5$^{1}/_{2}$-5-2$^{1}/_{2}$-316SS	RT5$^{1}/_{2}$-5-2$^{1}/_{2}$-NP	27/32	5/16	17/32
7/32	3/16	1/8	RT5$^{1}/_{2}$-5-3	RT5$^{1}/_{2}$-5-3-SS	RT5$^{1}/_{2}$-5-3-316SS	RT5$^{1}/_{2}$-5-3-NP	1.00	3/8	9/16
7/32	3/16	5/32 / 4mm	RT5$^{1}/_{2}$-5-3$^{1}/_{2}$	RT5$^{1}/_{2}$-5-3$^{1}/_{2}$-SS	RT5$^{1}/_{2}$-5-3$^{1}/_{2}$-316SS	RT5$^{1}/_{2}$-5-3$^{1}/_{2}$-NP	1.00	3/8	9/16
7/32	3/16	.170	RT5$^{1}/_{2}$-5-4	RT5$^{1}/_{2}$-5-4-SS	RT5$^{1}/_{2}$-5-4-316SS	RT5$^{1}/_{2}$-5-4-NP	1.00	3/8	9/16

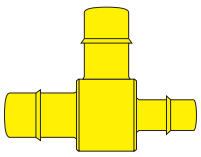
Note: *Dimensions may vary at time of manufacturing!*

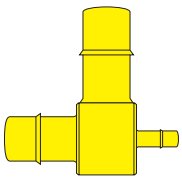
Continued on next page

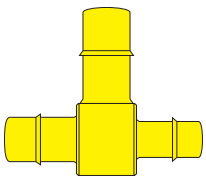
26 Reducing Tees (cont.) A

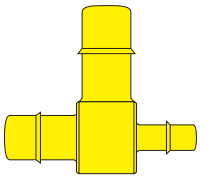
Tube ID			Part Numbers				Dimensions (Reference)		
9 O'clock	12 O'clock	3 O'clock	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
7/32	3/16	3/16	RT5 1/2-5-5	RT5 1/2-5-5-SS	RT5 1/2-5-5-316SS	RT5 1/2-5-5-NP	1 1/16	3/8	9/16
7/32	3/16	7/32	RT5 1/2-5-5 1/2	RT5 1/2-5-5 1/2-SS	RT5 1/2-5-5 1/2-316SS	RT5 1/2-5-5 1/2-NP	1 1/16	3/8	9/16
7/32	7/32	1/16	RT5 1/2-5 1/2-1	RT5 1/2-5 1/2-1-SS	RT5 1/2-5 1/2-1-316SS	RT5 1/2-5 1/2-1-NP	27/32	5/16	17/32
7/32	7/32	5/64 / 2mm	RT5 1/2-5 1/2-2	RT5 1/2-5 1/2-2-SS	RT5 1/2-5 1/2-2-316SS	RT5 1/2-5 1/2-2-NP	27/32	5/16	17/32
7/32	7/32	3/32	RT5 1/2-5 1/2-2 1/2	RT5 1/2-5 1/2-2 1/2-SS	RT5 1/2-5 1/2-2 1/2-316SS	RT5 1/2-5 1/2-2 1/2-NP	27/32	5/16	17/32
7/32	7/32	1/8	RT5 1/2-5 1/2-3	RT5 1/2-5 1/2-3-SS	RT5 1/2-5 1/2-3-316SS	RT5 1/2-5 1/2-3-NP	1.00	3/8	9/16
7/32	7/32	5/32 / 4mm	RT5 1/2-5 1/2-3 1/2	RT5 1/2-5 1/2-3 1/2-SS	RT5 1/2-5 1/2-3 1/2-316SS	RT5 1/2-5 1/2-3 1/2-NP	1.00	3/8	9/16
7/32	7/32	.170	RT5 1/2-5 1/2-4	RT5 1/2-5 1/2-4-SS	RT5 1/2-5 1/2-4-316SS	RT5 1/2-5 1/2-4-NP	27/32	3/8	9/16
7/32	7/32	3/16	RT5 1/2-5 1/2-5	RT5 1/2-5 1/2-5-SS	RT5 1/2-5 1/2-5-316SS	RT5 1/2-5 1/2-5-NP	1.00	3/8	9/16
7/32	6mm	1/16	RT5 1/2-5 3/4-1	RT5 1/2-5 3/4-1-SS	RT5 1/2-5 3/4-1-316SS	RT5 1/2-5 3/4-1-NP	29/32	3/8	11/16
7/32	6mm	5/64 / 2mm	RT5 1/2-5 3/4-2	RT5 1/2-5 3/4-2-SS	RT5 1/2-5 3/4-2-316SS	RT5 1/2-5 3/4-2-NP	29/32	3/8	11/16
7/32	6mm	3/32	RT5 1/2-5 3/4-2 1/2	RT5 1/2-5 3/4-2 1/2-SS	RT5 1/2-5 3/4-2 1/2-316SS	RT5 1/2-5 3/4-2 1/2-NP	29/32	3/8	11/16
7/32	6mm	1/8	RT5 1/2-5 3/4-3	RT5 1/2-5 3/4-3-SS	RT5 1/2-5 3/4-3-316SS	RT5 1/2-5 3/4-3-NP	1.00	3/8	11/16
7/32	6mm	5/32 / 4mm	RT5 1/2-5 3/4-3 1/2	RT5 1/2-5 3/4-3 1/2-SS	RT5 1/2-5 3/4-3 1/2-316SS	RT5 1/2-5 3/4-3 1/2-NP	1.00	3/8	11/16
7/32	6mm	.170	RT5 1/2-5 3/4-4	RT5 1/2-5 3/4-4-SS	RT5 1/2-5 3/4-4-316SS	RT5 1/2-5 3/4-4-NP	1 1/32	3/8	11/16
7/32	6mm	3/16	RT5 1/2-5 3/4-5	RT5 1/2-5 3/4-5-SS	RT5 1/2-5 3/4-5-316SS	RT5 1/2-5 3/4-5-NP	1 1/16	3/8	11/16
7/32	6mm	7/32	RT5 1/2-5 3/4-5 1/2	RT5 1/2-5 3/4-5 1/2-SS	RT5 1/2-5 3/4-5 1/2-316SS	RT5 1/2-5 3/4-5 1/2-NP	1 1/16	3/8	11/16
7/32	1/4	1/16	RT5 1/2-6-1	RT5 1/2-6-1-SS	RT5 1/2-6-1-316SS	RT5 1/2-6-1-NP	29/32	3/8	11/16
7/32	1/4	5/64 / 2mm	RT5 1/2-6-2	RT5 1/2-6-2-SS	RT5 1/2-6-2-316SS	RT5 1/2-6-2-NP	29/32	3/8	11/16
7/32	1/4	3/32	RT5 1/2-6-2 1/2	RT5 1/2-6-2 1/2-SS	RT5 1/2-6-2 1/2-316SS	RT5 1/2-6-2 1/2-NP	29/32	3/8	11/16
7/32	1/4	1/8	RT5 1/2-6-3	RT5 1/2-6-3-SS	RT5 1/2-6-3-316SS	RT5 1/2-6-3-NP	1.00	3/8	11/16
7/32	1/4	5/32 / 4mm	RT5 1/2-6-3 1/2	RT5 1/2-6-3 1/2-SS	RT5 1/2-6-3 1/2-316SS	RT5 1/2-6-3 1/2-NP	1 1/16	3/8	11/16
7/32	1/4	.170	RT5 1/2-6-4	RT5 1/2-6-4-SS	RT5 1/2-6-4-316SS	RT5 1/2-6-4-NP	1 1/32	3/8	11/16
7/32	1/4	3/16	RT5 1/2-6-5	RT5 1/2-6-5-SS	RT5 1/2-6-5-316SS	RT5 1/2-6-5-NP	1 1/16	3/8	11/16
7/32	1/4	7/32	RT5 1/2-6-5 1/2	RT5 1/2-6-5 1/2-SS	RT5 1/2-6-5 1/2-316SS	RT5 1/2-6-5 1/2-NP	1 1/16	3/8	11/16
6mm	1/16	1/16	RT5 3/4-1-1	RT5 3/4-1-1-SS	RT5 3/4-1-1-316SS	RT5 3/4-1-1-NP	1 1/32	7/16	7/16
6mm	1/16	5/64 / 2mm	RT5 3/4-1-2	RT5 3/4-1-2-SS	RT5 3/4-1-2-316SS	RT5 3/4-1-2-NP	1 1/32	7/16	7/16
6mm	1/16	3/32	RT5 3/4-1-2 1/2	RT5 3/4-1-2 1/2-SS	RT5 3/4-1-2 1/2-316SS	RT5 3/4-1-2 1/2-NP	1 1/32	7/16	7/16
6mm	1/16	1/8	RT5 3/4-1-3	RT5 3/4-1-3-SS	RT5 3/4-1-3-316SS	RT5 3/4-1-3-NP	1 1/8	7/16	7/16
6mm	1/16	5/32 / 4mm	RT5 3/4-1-3 1/2	RT5 3/4-1-3 1/2-SS	RT5 3/4-1-3 1/2-316SS	RT5 3/4-1-3 1/2-NP	1 1/8	7/16	7/16
6mm	1/16	.170	RT5 3/4-1-4	RT5 3/4-1-4-SS	RT5 3/4-1-4-316SS	RT5 3/4-1-4-NP	1 5/32	7/16	7/16
6mm	1/16	3/16	RT5 3/4-1-5	RT5 3/4-1-5-SS	RT5 3/4-1-5-316SS	RT5 3/4-1-5-NP	1 3/16	7/16	7/16
6mm	1/16	7/32	RT5 3/4-1-5 1/2	RT5 3/4-1-5 1/2-SS	RT5 3/4-1-5 1/2-316SS	RT5 3/4-1-5 1/2-NP	1 3/16	7/16	7/16
6mm	1/16	6mm	RT5 3/4-1-5 3/4	RT5 3/4-1-5 3/4-SS	RT5 3/4-1-5 3/4-316SS	RT5 3/4-1-5 3/4-NP	1 5/16	7/16	7/16
6mm	5/64 / 2mm	1/16	RT5 3/4-2-1	RT5 3/4-2-1-SS	RT5 3/4-2-1-316SS	RT5 3/4-2-1-NP	1 1/32	7/16	7/16
6mm	5/64 / 2mm	5/64 / 2mm	RT5 3/4-2-2	RT5 3/4-2-2-SS	RT5 3/4-2-2-316SS	RT5 3/4-2-2-NP	1 1/32	7/16	7/16
6mm	5/64 / 2mm	3/32	RT5 3/4-2-2 1/2	RT5 3/4-2-2 1/2-SS	RT5 3/4-2-2 1/2-316SS	RT5 3/4-2-2 1/2-NP	1 1/32	7/16	7/16
6mm	5/64 / 2mm	1/8	RT5 3/4-2-3	RT5 3/4-2-3-SS	RT5 3/4-2-3-316SS	RT5 3/4-2-3-NP	1 1/8	7/16	7/16
6mm	5/64 / 2mm	5/32 / 4mm	RT5 3/4-2-3 1/2	RT5 3/4-2-3 1/2-SS	RT5 3/4-2-3 1/2-316SS	RT5 3/4-2-3 1/2-NP	1 1/8	7/16	7/16
6mm	5/64 / 2mm	.170	RT5 3/4-2-4	RT5 3/4-2-4-SS	RT5 3/4-2-4-316SS	RT5 3/4-2-4-NP	1 5/32	7/16	7/16




RT5 1/2-5 1/2-3 1/2


RT5 1/2-5 3/4-1


RT5 1/2-5 3/4-4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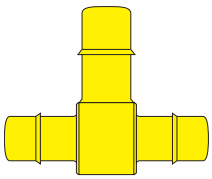
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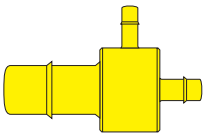
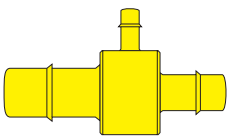

RT5 3/4-1-2 1/2

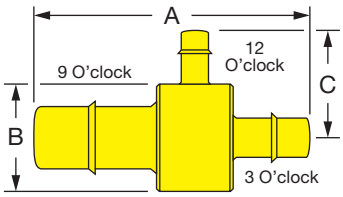

RT5 3/4-2-4

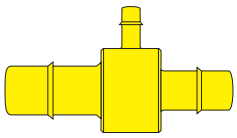
Continued on next page.

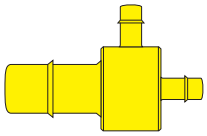
See page 518 for Square Bodies!

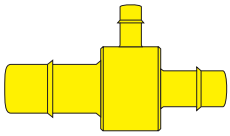
A

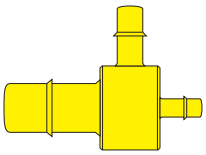
Reducing Tees (cont.) 27

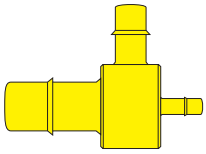


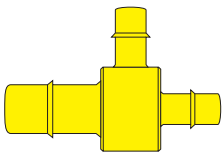

RT5$^{3}/_{4}$-2-5

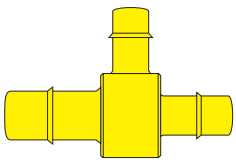

RT5$^{3}/_{4}$-2$^{1}/_{2}$-2$^{1}/_{2}$


RT5$^{3}/_{4}$-2$^{1}/_{2}$-4


RT5$^{3}/_{4}$-3-2

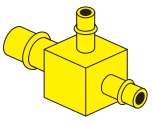

RT5$^{3}/_{4}$-3$^{1}/_{2}$-1


RT5$^{3}/_{4}$-3$^{1}/_{2}$-3$^{1}/_{2}$


RT5$^{3}/_{4}$-4-5

Continued on next page.

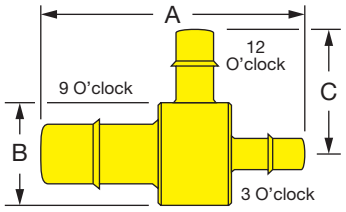
NEW: Square Body Reducing Tees! See page 518!!

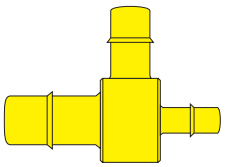


Tube ID			Part Numbers				Dimensions (Reference)		
9 O'clock	12 O'clock	3 O'clock	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
6mm	5/64 / 2mm	3/16	RT5$^{3}/_{4}$-2-5	RT5$^{3}/_{4}$-2-5-SS	RT5$^{3}/_{4}$-2-5-316SS	RT5$^{3}/_{4}$-2-5-NP	1$^{3}/_{16}$	7/16	7/16
6mm	5/64 / 2mm	7/32	RT5$^{3}/_{4}$-2-5$^{1}/_{2}$	RT5$^{3}/_{4}$-2-5$^{1}/_{2}$-SS	RT5$^{3}/_{4}$-2-5$^{1}/_{2}$-316SS	RT5$^{3}/_{4}$-2-5$^{1}/_{2}$-NP	1$^{3}/_{16}$	7/16	7/16
6mm	5/64 / 2mm	6mm	RT5$^{3}/_{4}$-2-5$^{3}/_{4}$	RT5$^{3}/_{4}$-2-5$^{3}/_{4}$-SS	RT5$^{3}/_{4}$-2-5$^{3}/_{4}$-316SS	RT5$^{3}/_{4}$-2-5$^{3}/_{4}$-NP	1$^{5}/_{16}$	7/16	7/16
6mm	3/32	1/16	RT5$^{3}/_{4}$-2$^{1}/_{2}$-1	RT5$^{3}/_{4}$-2$^{1}/_{2}$-1-SS	RT5$^{3}/_{4}$-2$^{1}/_{2}$-1-316SS	RT5$^{3}/_{4}$-2$^{1}/_{2}$-1-NP	1$^{1}/_{32}$	7/16	7/16
6mm	3/32	5/64 / 2mm	RT5$^{3}/_{4}$-2$^{1}/_{2}$-2	RT5$^{3}/_{4}$-2$^{1}/_{2}$-2-SS	RT5$^{3}/_{4}$-2$^{1}/_{2}$-2-316SS	RT5$^{3}/_{4}$-2$^{1}/_{2}$-2-NP	1$^{1}/_{32}$	7/16	7/16
6mm	3/32	3/32	RT5$^{3}/_{4}$-2$^{1}/_{2}$-2$^{1}/_{2}$	RT5$^{3}/_{4}$-2$^{1}/_{2}$-2$^{1}/_{2}$-SS	RT5$^{3}/_{4}$-2$^{1}/_{2}$-2$^{1}/_{2}$-316SS	RT5$^{3}/_{4}$-2$^{1}/_{2}$-2$^{1}/_{2}$-NP	1$^{1}/_{32}$	7/16	7/16
6mm	3/32	1/8	RT5$^{3}/_{4}$-2$^{1}/_{2}$-3	RT5$^{3}/_{4}$-2$^{1}/_{2}$-3-SS	RT5$^{3}/_{4}$-2$^{1}/_{2}$-3-316SS	RT5$^{3}/_{4}$-2$^{1}/_{2}$-3-NP	1$^{1}/_{8}$	7/16	7/16
6mm	3/32	5/32 / 4mm	RT5$^{3}/_{4}$-2$^{1}/_{2}$-3$^{1}/_{2}$	RT5$^{3}/_{4}$-2$^{1}/_{2}$-3$^{1}/_{2}$-SS	RT5$^{3}/_{4}$-2$^{1}/_{2}$-3$^{1}/_{2}$-316SS	RT5$^{3}/_{4}$-2$^{1}/_{2}$-3$^{1}/_{2}$-NP	1$^{1}/_{8}$	7/16	7/16
6mm	3/32	.170	RT5$^{3}/_{4}$-2$^{1}/_{2}$-4	RT5$^{3}/_{4}$-2$^{1}/_{2}$-4-SS	RT5$^{3}/_{4}$-2$^{1}/_{2}$-4-316SS	RT5$^{3}/_{4}$-2$^{1}/_{2}$-4-NP	1$^{5}/_{32}$	7/16	7/16
6mm	3/32	3/16	RT5$^{3}/_{4}$-2$^{1}/_{2}$-5	RT5$^{3}/_{4}$-2$^{1}/_{2}$-5-SS	RT5$^{3}/_{4}$-2$^{1}/_{2}$-5-316SS	RT5$^{3}/_{4}$-2$^{1}/_{2}$-5-NP	1$^{3}/_{16}$	7/16	7/16
6mm	3/32	7/32	RT5$^{3}/_{4}$-2$^{1}/_{2}$-5$^{1}/_{2}$	RT5$^{3}/_{4}$-2$^{1}/_{2}$-5$^{1}/_{2}$-SS	RT5$^{3}/_{4}$-2$^{1}/_{2}$-5$^{1}/_{2}$-316SS	RT5$^{3}/_{4}$-2$^{1}/_{2}$-5$^{1}/_{2}$-NP	1$^{3}/_{16}$	7/16	7/16
6mm	3/32	6mm	RT5$^{3}/_{4}$-2$^{1}/_{2}$-5$^{3}/_{4}$	RT5$^{3}/_{4}$-2$^{1}/_{2}$-5$^{3}/_{4}$-SS	RT5$^{3}/_{4}$-2$^{1}/_{2}$-5$^{3}/_{4}$-316SS	RT5$^{3}/_{4}$-2$^{1}/_{2}$-5$^{3}/_{4}$-NP	1$^{5}/_{16}$	7/16	7/16
6mm	1/8	1/16	RT5$^{3}/_{4}$-3-1	RT5$^{3}/_{4}$-3-1-SS	RT5$^{3}/_{4}$-3-1-316SS	RT5$^{3}/_{4}$-3-1-NP	1$^{1}/_{32}$	7/16	17/32
6mm	1/8	5/64 / 2mm	RT5$^{3}/_{4}$-3-2	RT5$^{3}/_{4}$-3-2-SS	RT5$^{3}/_{4}$-3-2-316SS	RT5$^{3}/_{4}$-3-2-NP	1$^{1}/_{32}$	7/16	17/32
6mm	1/8	3/32	RT5$^{3}/_{4}$-3-2$^{1}/_{2}$	RT5$^{3}/_{4}$-3-2$^{1}/_{2}$-SS	RT5$^{3}/_{4}$-3-2$^{1}/_{2}$-316SS	RT5$^{3}/_{4}$-3-2$^{1}/_{2}$-NP	1$^{1}/_{32}$	7/16	17/32
6mm	1/8	1/8	RT5$^{3}/_{4}$-3-3	RT5$^{3}/_{4}$-3-3-SS	RT5$^{3}/_{4}$-3-3-316SS	RT5$^{3}/_{4}$-3-3-NP	1$^{1}/_{8}$	7/16	17/32
6mm	1/8	5/32 / 4mm	RT5$^{3}/_{4}$-3-3$^{1}/_{2}$	RT5$^{3}/_{4}$-3-3$^{1}/_{2}$-SS	RT5$^{3}/_{4}$-3-3$^{1}/_{2}$-316SS	RT5$^{3}/_{4}$-3-3$^{1}/_{2}$-NP	1$^{1}/_{8}$	7/16	17/32
6mm	1/8	.170	RT5$^{3}/_{4}$-3-4	RT5$^{3}/_{4}$-3-4-SS	RT5$^{3}/_{4}$-3-4-316SS	RT5$^{3}/_{4}$-3-4-NP	1$^{5}/_{32}$	7/16	17/32
6mm	1/8	3/16	RT5$^{3}/_{4}$-3-5	RT5$^{3}/_{4}$-3-5-SS	RT5$^{3}/_{4}$-3-5-316SS	RT5$^{3}/_{4}$-3-5-NP	1$^{3}/_{16}$	7/16	17/32
6mm	1/8	7/32	RT5$^{3}/_{4}$-3-5$^{1}/_{2}$	RT5$^{3}/_{4}$-3-5$^{1}/_{2}$-SS	RT5$^{3}/_{4}$-3-5$^{1}/_{2}$-316SS	RT5$^{3}/_{4}$-3-5$^{1}/_{2}$-NP	1$^{3}/_{16}$	7/16	17/32
6mm	1/8	6mm	RT5$^{3}/_{4}$-3-5$^{3}/_{4}$	RT5$^{3}/_{4}$-3-5$^{3}/_{4}$-SS	RT5$^{3}/_{4}$-3-5$^{3}/_{4}$-316SS	RT5$^{3}/_{4}$-3-5$^{3}/_{4}$-NP	1$^{5}/_{16}$	7/16	17/32
6mm	5/32 / 4mm	1/16	RT5$^{3}/_{4}$-3$^{1}/_{2}$-1	RT5$^{3}/_{4}$-3$^{1}/_{2}$-1-SS	RT5$^{3}/_{4}$-3$^{1}/_{2}$-1-316SS	RT5$^{3}/_{4}$-3$^{1}/_{2}$-1-NP	1$^{1}/_{32}$	7/16	17/32
6mm	5/32 / 4mm	5/64 / 2mm	RT5$^{3}/_{4}$-3$^{1}/_{2}$-2	RT5$^{3}/_{4}$-3$^{1}/_{2}$-2-SS	RT5$^{3}/_{4}$-3$^{1}/_{2}$-2-316SS	RT5$^{3}/_{4}$-3$^{1}/_{2}$-2-NP	1$^{1}/_{32}$	7/16	17/32
6mm	5/32 / 4mm	3/32	RT5$^{3}/_{4}$-3$^{1}/_{2}$-2$^{1}/_{2}$	RT5$^{3}/_{4}$-3$^{1}/_{2}$-2$^{1}/_{2}$-SS	RT5$^{3}/_{4}$-3$^{1}/_{2}$-2$^{1}/_{2}$-316SS	RT5$^{3}/_{4}$-3$^{1}/_{2}$-2$^{1}/_{2}$-NP	1$^{1}/_{32}$	7/16	17/32
6mm	5/32 / 4mm	1/8	RT5$^{3}/_{4}$-3$^{1}/_{2}$-3	RT5$^{3}/_{4}$-3$^{1}/_{2}$-3-SS	RT5$^{3}/_{4}$-3$^{1}/_{2}$-3-316SS	RT5$^{3}/_{4}$-3$^{1}/_{2}$-3-NP	1$^{1}/_{8}$	7/16	17/32
6mm	5/32 / 4mm	5/32 / 4mm	RT5$^{3}/_{4}$-3$^{1}/_{2}$-3$^{1}/_{2}$	RT5$^{3}/_{4}$-3$^{1}/_{2}$-3$^{1}/_{2}$-SS	RT5$^{3}/_{4}$-3$^{1}/_{2}$-3$^{1}/_{2}$-316SS	RT5$^{3}/_{4}$-3$^{1}/_{2}$-3$^{1}/_{2}$-NP	1$^{1}/_{8}$	7/16	17/32
6mm	5/32 / 4mm	.170	RT5$^{3}/_{4}$-3$^{1}/_{2}$-4	RT5$^{3}/_{4}$-3$^{1}/_{2}$-4-SS	RT5$^{3}/_{4}$-3$^{1}/_{2}$-4-316SS	RT5$^{3}/_{4}$-3$^{1}/_{2}$-4-NP	1$^{5}/_{32}$	7/16	17/32
6mm	5/32 / 4mm	3/16	RT5$^{3}/_{4}$-3$^{1}/_{2}$-5	RT5$^{3}/_{4}$-3$^{1}/_{2}$-5-SS	RT5$^{3}/_{4}$-3$^{1}/_{2}$-5-316SS	RT5$^{3}/_{4}$-3$^{1}/_{2}$-5-NP	1$^{3}/_{16}$	7/16	17/32
6mm	5/32 / 4mm	7/32	RT5$^{3}/_{4}$-3$^{1}/_{2}$-5$^{1}/_{2}$	RT5$^{3}/_{4}$-3$^{1}/_{2}$-5$^{1}/_{2}$-SS	RT5$^{3}/_{4}$-3$^{1}/_{2}$-5$^{1}/_{2}$-316SS	RT5$^{3}/_{4}$-3$^{1}/_{2}$-5$^{1}/_{2}$-NP	1$^{3}/_{16}$	7/16	17/32
6mm	5/32 / 4mm	6mm	RT5$^{3}/_{4}$-3$^{1}/_{2}$-5$^{3}/_{4}$	RT5$^{3}/_{4}$-3$^{1}/_{2}$-5$^{3}/_{4}$-SS	RT5$^{3}/_{4}$-3$^{1}/_{2}$-5$^{3}/_{4}$-316SS	RT5$^{3}/_{4}$-3$^{1}/_{2}$-5$^{3}/_{4}$-NP	1$^{5}/_{16}$	7/16	17/32
6mm	.170	1/16	RT5$^{3}/_{4}$-4-1	RT5$^{3}/_{4}$-4-1-SS	RT5$^{3}/_{4}$-4-1-316SS	RT5$^{3}/_{4}$-4-1-NP	1$^{1}/_{32}$	7/16	9/16
6mm	.170	5/64 / 2mm	RT5$^{3}/_{4}$-4-2	RT5$^{3}/_{4}$-4-2-SS	RT5$^{3}/_{4}$-4-2-316SS	RT5$^{3}/_{4}$-4-2-NP	1$^{1}/_{32}$	7/16	9/16
6mm	.170	3/32	RT5$^{3}/_{4}$-4-2$^{1}/_{2}$	RT5$^{3}/_{4}$-4-2$^{1}/_{2}$-SS	RT5$^{3}/_{4}$-4-2$^{1}/_{2}$-316SS	RT5$^{3}/_{4}$-4-2$^{1}/_{2}$-NP	1$^{1}/_{32}$	7/16	9/16
6mm	.170	1/8	RT5$^{3}/_{4}$-4-3	RT5$^{3}/_{4}$-4-3-SS	RT5$^{3}/_{4}$-4-3-316SS	RT5$^{3}/_{4}$-4-3-NP	1$^{1}/_{8}$	7/16	9/16
6mm	.170	5/32 / 4mm	RT5$^{3}/_{4}$-4-3$^{1}/_{2}$	RT5$^{3}/_{4}$-4-3$^{1}/_{2}$-SS	RT5$^{3}/_{4}$-4-3$^{1}/_{2}$-316SS	RT5$^{3}/_{4}$-4-3$^{1}/_{2}$-NP	1$^{1}/_{8}$	7/16	9/16
6mm	.170	.170	RT5$^{3}/_{4}$-4-4	RT5$^{3}/_{4}$-4-4-SS	RT5$^{3}/_{4}$-4-4-316SS	RT5$^{3}/_{4}$-4-4-NP	1$^{5}/_{32}$	7/16	9/16
6mm	.170	3/16	RT5$^{3}/_{4}$-4-5	RT5$^{3}/_{4}$-4-5-SS	RT5$^{3}/_{4}$-4-5-316SS	RT5$^{3}/_{4}$-4-5-NP	1$^{3}/_{16}$	7/16	9/16
6mm	.170	7/32	RT5$^{3}/_{4}$-4-5$^{1}/_{2}$	RT5$^{3}/_{4}$-4-5$^{1}/_{2}$-SS	RT5$^{3}/_{4}$-4-5$^{1}/_{2}$-316SS	RT5$^{3}/_{4}$-4-5$^{1}/_{2}$-NP	1$^{3}/_{16}$	7/16	9/16
6mm	.170	6mm	RT5$^{3}/_{4}$-4-5$^{3}/_{4}$	RT5$^{3}/_{4}$-4-5$^{3}/_{4}$-SS	RT5$^{3}/_{4}$-4-5$^{3}/_{4}$-316SS	RT5$^{3}/_{4}$-4-5$^{3}/_{4}$-NP	1$^{5}/_{16}$	7/16	9/16
6mm	3/16	1/16	RT5$^{3}/_{4}$-5-1	RT5$^{3}/_{4}$-5-1-SS	RT5$^{3}/_{4}$-5-1-316SS	RT5$^{3}/_{4}$-5-1-NP	1$^{1}/_{32}$	7/16	19/32

28 Reducing Tees (cont.) A

Tube ID			Part Numbers				Dimensions (Reference)		
9 O'clock	12 O'clock	3 O'clock	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
6mm	3/16	5/64 / 2mm	RT5 3/4-5-2	RT5 3/4-5-2-SS	RT5 3/4-5-2-316SS	RT5 3/4-5-2-NP	1 1/32	7/16	19/32
6mm	3/16	3/32	RT5 3/4-5-2 1/2	RT5 3/4-5-2 1/2-SS	RT5 3/4-5-2 1/2-316SS	RT5 3/4-5-2 1/2-NP	1 1/32	7/16	19/32
6mm	3/16	1/8	RT5 3/4-5-3	RT5 3/4-5-3-SS	RT5 3/4-5-3-316SS	RT5 3/4-5-3-NP	1 1/8	7/16	19/32
6mm	3/16	5/32 / 4mm	RT5 3/4-5-3 1/2	RT5 3/4-5-3 1/2-SS	RT5 3/4-5-3 1/2-316SS	RT5 3/4-5-3 1/2-NP	1 1/8	7/16	19/32
6mm	3/16	.170	RT5 3/4-5-4	RT5 3/4-5-4-SS	RT5 3/4-5-4-316SS	RT5 3/4-5-4-NP	1 5/32	7/16	19/32
6mm	3/16	3/16	RT5 3/4-5-5	RT5 3/4-5-5-SS	RT5 3/4-5-5-316SS	RT5 3/4-5-5-NP	1 3/16	7/16	19/32
6mm	3/16	7/32	RT5 3/4-5-5 1/2	RT5 3/4-5-5 1/2-SS	RT5 3/4-5-5 1/2-316SS	RT5 3/4-5-5 1/2-NP	1 3/16	7/16	19/32
6mm	3/16	6mm	RT5 3/4-5-5 3/4	RT5 3/4-5-5 3/4-SS	RT5 3/4-5-5 3/4-316SS	RT5 3/4-5-5 3/4-NP	1 5/16	7/16	19/32
6mm	7/32	1/16	RT5 3/4-5 1/2-1	RT5 3/4-5 1/2-1-SS	RT5 3/4-5 1/2-1-316SS	RT5 3/4-5 1/2-1-NP	1 1/32	7/16	19/32
6mm	7/32	5/64 / 2mm	RT5 3/4-5 1/2-2	RT5 3/4-5 1/2-2-SS	RT5 3/4-5 1/2-2-316SS	RT5 3/4-5 1/2-2-NP	1 1/32	7/16	19/32
6mm	7/32	3/32	RT5 3/4-5 1/2-2 1/2	RT5 3/4-5 1/2-2 1/2-SS	RT5 3/4-5 1/2-2 1/2-316SS	RT5 3/4-5 1/2-2 1/2-NP	1 1/32	7/16	19/32
6mm	7/32	1/8	RT5 3/4-5 1/2-3	RT5 3/4-5 1/2-3-SS	RT5 3/4-5 1/2-3-316SS	RT5 3/4-5 1/2-3-NP	1 1/8	7/16	19/32
6mm	7/32	5/32 / 4mm	RT5 3/4-5 1/2-3 1/2	RT5 3/4-5 1/2-3 1/2-SS	RT5 3/4-5 1/2-3 1/2-316SS	RT5 3/4-5 1/2-3 1/2-NP	1 1/8	7/16	19/32
6mm	7/32	.170	RT5 3/4-5 1/2-4	RT5 3/4-5 1/2-4-SS	RT5 3/4-5 1/2-4-316SS	RT5 3/4-5 1/2-4-NP	1 5/32	7/16	19/32
6mm	7/32	3/16	RT5 3/4-5 1/2-5	RT5 3/4-5 1/2-5-SS	RT5 3/4-5 1/2-5-316SS	RT5 3/4-5 1/2-5-NP	1 3/16	7/16	19/32
6mm	7/32	7/32	RT5 3/4-5 1/2-5 1/2	RT5 3/4-5 1/2-5 1/2-SS	RT5 3/4-5 1/2-5 1/2-316SS	RT5 3/4-5 1/2-5 1/2-NP	1 3/16	7/16	19/32
6mm	7/32	6mm	RT5 3/4-5 1/2-5 3/4	RT5 3/4-5 1/2-5 3/4-SS	RT5 3/4-5 1/2-5 3/4-316SS	RT5 3/4-5 1/2-5 3/4-NP	1 5/16	7/16	19/32
6mm	6mm	1/16	RT5 3/4-5 3/4-1	RT5 3/4-5 3/4-1-SS	RT5 3/4-5 3/4-1-316SS	RT5 3/4-5 3/4-1-NP	1 1/32	7/16	23/32
6mm	6mm	5/64 / 2mm	RT5 3/4-5 3/4-2	RT5 3/4-5 3/4-2-SS	RT5 3/4-5 3/4-2-316SS	RT5 3/4-5 3/4-2-NP	1 1/32	7/16	23/32
6mm	6mm	3/32	RT5 3/4-5 3/4-2 1/2	RT5 3/4-5 3/4-2 1/2-SS	RT5 3/4-5 3/4-2 1/2-316SS	RT5 3/4-5 3/4-2 1/2-NP	1 1/32	7/16	23/32
6mm	6mm	1/8	RT5 3/4-5 3/4-3	RT5 3/4-5 3/4-3-SS	RT5 3/4-5 3/4-3-316SS	RT5 3/4-5 3/4-3-NP	1 1/8	7/16	23/32
6mm	6mm	5/32 / 4mm	RT5 3/4-5 3/4-3 1/2	RT5 3/4-5 3/4-3 1/2-SS	RT5 3/4-5 3/4-3 1/2-316SS	RT5 3/4-5 3/4-3 1/2-NP	1 1/8	7/16	23/32
6mm	6mm	.170	RT5 3/4-5 3/4-4	RT5 3/4-5 3/4-4-SS	RT5 3/4-5 3/4-4-316SS	RT5 3/4-5 3/4-4-NP	1 5/32	7/16	23/32
6mm	6mm	3/16	RT5 3/4-5 3/4-5	RT5 3/4-5 3/4-5-SS	RT5 3/4-5 3/4-5-316SS	RT5 3/4-5 3/4-5-NP	1 3/16	7/16	23/32
6mm	6mm	7/32	RT5 3/4-5 3/4-5 1/2	RT5 3/4-5 3/4-5 1/2-SS	RT5 3/4-5 3/4-5 1/2-316SS	RT5 3/4-5 3/4-5 1/2-NP	1 3/16	7/16	23/32
6mm	1/4	1/16	RT5 3/4-6-1	RT5 3/4-6-1-SS	RT5 3/4-6-1-316SS	RT5 3/4-6-1-NP	1 3/32	7/16	23/32
6mm	1/4	5/64 / 2mm	RT5 3/4-6-2	RT5 3/4-6-2-SS	RT5 3/4-6-2-316SS	RT5 3/4-6-2-NP	1 3/32	7/16	23/32
6mm	1/4	3/32	RT5 3/4-6-2 1/2	RT5 3/4-6-2 1/2-SS	RT5 3/4-6-2 1/2-316SS	RT5 3/4-6-2 1/2-NP	1 3/32	7/16	23/32
6mm	1/4	1/8	RT5 3/4-6-3	RT5 3/4-6-3-SS	RT5 3/4-6-3-316SS	RT5 3/4-6-3-NP	1 3/16	7/16	23/32
6mm	1/4	5/32 / 4mm	RT5 3/4-6-3 1/2	RT5 3/4-6-3 1/2-SS	RT5 3/4-6-3 1/2-316SS	RT5 3/4-6-3 1/2-NP	1 3/16	7/16	23/32
6mm	1/4	.170	RT5 3/4-6-4	RT5 3/4-6-4-SS	RT5 3/4-6-4-316SS	RT5 3/4-6-4-NP	1 5/32	7/16	23/32
6mm	1/4	3/16	RT5 3/4-6-5	RT5 3/4-6-5-SS	RT5 3/4-6-5-316SS	RT5 3/4-6-5-NP	1 1/4	7/16	23/32
6mm	1/4	7/32	RT5 3/4-6-5 1/2	RT5 3/4-6-5 1/2-SS	RT5 3/4-6-5 1/2-316SS	RT5 3/4-6-5 1/2-NP	1 1/4	7/16	23/32
6mm	1/4	6mm	RT5 3/4-6-5 3/4	RT5 3/4-6-5 3/4-SS	RT5 3/4-6-5 3/4-316SS	RT5 3/4-6-5 3/4-NP	1 5/16	7/16	23/32
1/4	1/16	1/16	RT6-1-1	RT6-1-1-SS	RT6-1-1-316SS	RT6-1-1-NP	1 1/32	7/16	7/16
1/4	1/16	5/64 / 2mm	RT6-1-2	RT6-1-2-SS	RT6-1-2-316SS	RT6-1-2-NP	1 1/32	7/16	7/16
1/4	1/16	3/32	RT6-1-2 1/2	RT6-1-2 1/2-SS	RT6-1-2 1/2-316SS	RT6-1-2 1/2-NP	1 1/32	7/16	7/16
1/4	1/16	1/8	RT6-1-3	RT6-1-3-SS	RT6-1-3-316SS	RT6-1-3-NP	1 1/8	7/16	7/16
1/4	1/16	5/32 / 4mm	RT6-1-3 1/2	RT6-1-3 1/2-SS	RT6-1-3 1/2-316SS	RT6-1-3 1/2-NP	1 1/8	7/16	7/16
1/4	1/16	.170	RT6-1-4	RT6-1-4-SS	RT6-1-4-316SS	RT6-1-4-NP	1 5/32	7/16	7/16

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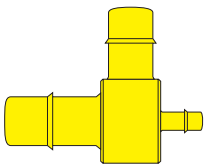
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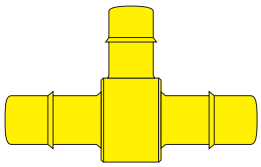
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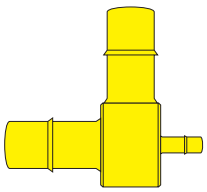
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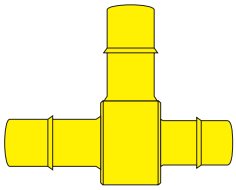
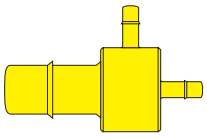

RT5 3/4-5 3/4-5 1/2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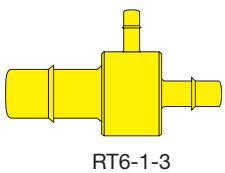
RT6-1-3

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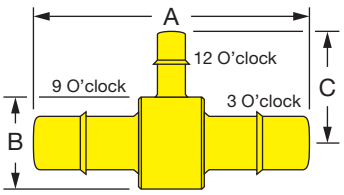
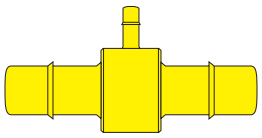
A

Reducing Tees (cont.) 29

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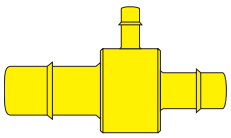
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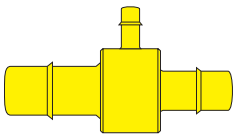
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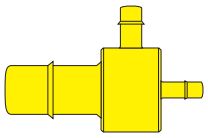
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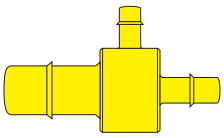
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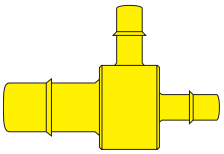
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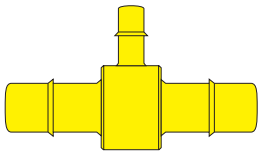
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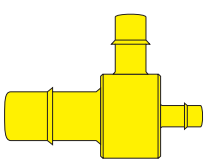
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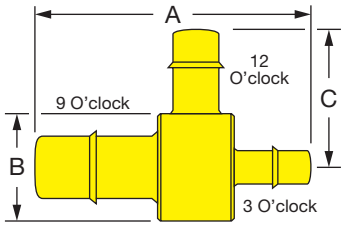
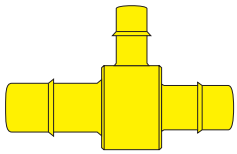
Square Bodies available! See page 518!

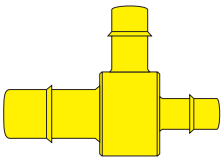
Tube ID			Part Numbers				Dimensions (Reference)		
9 O'clock	12 O'clock	3 O'clock	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
1/4	1/16	3/16	RT6-1-5	RT6-1-5-SS	RT6-1-5-316SS	RT6-1-5-NP	13/16	7/16	7/16
1/4	1/16	7/32	RT6-1-5$^1/_2$	RT6-1-5$^1/_2$-SS	RT6-1-5$^1/_2$-316SS	RT6-1-5$^1/_2$-NP	13/16	7/16	7/16
1/4	1/16	6mm	RT6-1-5$^3/_4$	RT6-1-5$^3/_4$-SS	RT6-1-5$^3/_4$-316SS	RT6-1-5$^3/_4$-NP	15/16	7/16	7/16
1/4	1/16	1/4	RT6-1-6	RT6-1-6-SS	RT6-1-6-316SS	RT6-1-6-NP	1 1/32	7/16	7/16
1/4	5/64 / 2mm	1/16	RT6-2-1	RT6-2-1-SS	RT6-2-1-316SS	RT6-2-1-NP	1 1/32	7/16	7/16
1/4	5/64 / 2mm	5/64 / 2mm	RT6-2-2	RT6-2-2-SS	RT6-2-2-316SS	RT6-2-2-NP	1 1/32	7/16	7/16
1/4	5/64 / 2mm	3/32	RT6-2-2$^1/_2$	RT6-2-2$^1/_2$-SS	RT6-2-2$^1/_2$-316SS	RT6-2-2$^1/_2$-NP	1 1/32	7/16	7/16
1/4	5/64 / 2mm	1/8	RT6-2-3	RT6-2-3-SS	RT6-2-3-316SS	RT6-2-3-NP	1 1/8	7/16	7/16
1/4	5/64 / 2mm	5/32 / 4mm	RT6-2-3$^1/_2$	RT6-2-3$^1/_2$-SS	RT6-2-3$^1/_2$-316SS	RT6-2-3$^1/_2$-NP	1 1/8	7/16	7/16
1/4	5/64 / 2mm	.170	RT6-2-4	RT6-2-4-SS	RT6-2-4-316SS	RT6-2-4-NP	1 5/32	7/16	7/16
1/4	5/64 / 2mm	3/16	RT6-2-5	RT6-2-5-SS	RT6-2-5-316SS	RT6-2-5-NP	13/16	7/16	7/16
1/4	5/64 / 2mm	7/32	RT6-2-5$^1/_2$	RT6-2-5$^1/_2$-SS	RT6-2-5$^1/_2$-316SS	RT6-2-5$^1/_2$-NP	13/16	7/16	7/16
1/4	5/64 / 2mm	6mm	RT6-2-5$^3/_4$	RT6-2-5$^3/_4$-SS	RT6-2-5$^3/_4$-316SS	RT6-2-5$^3/_4$-NP	15/16	7/16	7/16
1/4	5/64 / 2mm	1/4	RT6-2-6	RT6-2-6-SS	RT6-2-6-316SS	RT6-2-6-NP	15/16	7/16	7/16
1/4	3/32	1/16	RT6-2$^1/_2$-1	RT6-2$^1/_2$-1-SS	RT6-2$^1/_2$-1-316SS	RT6-2$^1/_2$-1-NP	1 1/32	7/16	7/16
1/4	3/32	5/64 / 2mm	RT6-2$^1/_2$-2	RT6-2$^1/_2$-2-SS	RT6-2$^1/_2$-2-316SS	RT6-2$^1/_2$-2-NP	1 1/32	7/16	7/16
1/4	3/32	3/32	RT6-2$^1/_2$-2$^1/_2$	RT6-2$^1/_2$-2$^1/_2$-SS	RT6-2$^1/_2$-2$^1/_2$-316SS	RT6-2$^1/_2$-2$^1/_2$-NP	1 1/32	7/16	7/16
1/4	3/32	1/8	RT6-2$^1/_2$-3	RT6-2$^1/_2$-3-SS	RT6-2$^1/_2$-3-316SS	RT6-2$^1/_2$-3-NP	1 1/8	7/16	7/16
1/4	3/32	5/32 / 4mm	RT6-2$^1/_2$-3$^1/_2$	RT6-2$^1/_2$-3$^1/_2$-SS	RT6-2$^1/_2$-3$^1/_2$-316SS	RT6-2$^1/_2$-3$^1/_2$-NP	1 1/8	7/16	7/16
1/4	3/32	.170	RT6-2$^1/_2$-4	RT6-2$^1/_2$-4-SS	RT6-2$^1/_2$-4-316SS	RT6-2$^1/_2$-4-NP	1 5/32	7/16	7/16
1/4	3/32	3/16	RT6-2$^1/_2$-5	RT6-2$^1/_2$-5-SS	RT6-2$^1/_2$-5-316SS	RT6-2$^1/_2$-5-NP	13/16	7/16	7/16
1/4	3/32	7/32	RT6-2$^1/_2$-5$^1/_2$	RT6-2$^1/_2$-5$^1/_2$-SS	RT6-2$^1/_2$-5$^1/_2$-316SS	RT6-2$^1/_2$-5$^1/_2$-NP	13/16	7/16	7/16
1/4	3/32	6mm	RT6-2$^1/_2$-5$^3/_4$	RT6-2$^1/_2$-5$^3/_4$-SS	RT6-2$^1/_2$-5$^3/_4$-316SS	RT6-2$^1/_2$-5$^3/_4$-NP	15/16	7/16	7/16
1/4	3/32	1/4	RT6-2$^1/_2$-6	RT6-2$^1/_2$-6-SS	RT6-2$^1/_2$-6-316SS	RT6-2$^1/_2$-6-NP	15/16	7/16	7/16
1/4	1/8	1/16	RT6-3-1	RT6-3-1-SS	RT6-3-1-316SS	RT6-3-1-NP	1 1/32	7/16	17/32
1/4	1/8	5/64 / 2mm	RT6-3-2	RT6-3-2-SS	RT6-3-2-316SS	RT6-3-2-NP	1 1/32	7/16	17/32
1/4	1/8	3/32	RT6-3-2$^1/_2$	RT6-3-2$^1/_2$-SS	RT6-3-2$^1/_2$-316SS	RT6-3-2$^1/_2$-NP	1 1/32	7/16	17/32
1/4	1/8	1/8	RT6-3-3	RT6-3-3-SS	RT6-3-3-316SS	RT6-3-3-NP	1 1/8	7/16	17/32
1/4	1/8	5/32 / 4mm	RT6-3-3$^1/_2$	RT6-3-3$^1/_2$-SS	RT6-3-3$^1/_2$-316SS	RT6-3-3$^1/_2$-NP	1 1/8	7/16	17/32
1/4	1/8	.170	RT6-3-4	RT6-3-4-SS	RT6-3-4-316SS	RT6-3-4-NP	1 5/32	7/16	17/32
1/4	1/8	3/16	RT6-3-5	RT6-3-5-SS	RT6-3-5-316SS	RT6-3-5-NP	1 5/32	7/16	17/32
1/4	1/8	7/32	RT6-3-5$^1/_2$	RT6-3-5$^1/_2$-SS	RT6-3-5$^1/_2$-316SS	RT6-3-5$^1/_2$-NP	1 5/32	7/16	17/32
1/4	1/8	6mm	RT6-3-5$^3/_4$	RT6-3-5$^3/_4$-SS	RT6-3-5$^3/_4$-316SS	RT6-3-5$^3/_4$-NP	15/16	7/16	17/32
1/4	1/8	1/4	RT6-3-6	RT6-3-6-SS	RT6-3-6-316SS	RT6-3-6-NP	15/16	7/16	17/32
1/4	5/32 / 4mm	1/16	RT6-3$^1/_2$-1	RT6-3$^1/_2$-1-SS	RT6-3$^1/_2$-1-316SS	RT6-3$^1/_2$-1-NP	1 1/32	7/16	17/32
1/4	5/32 / 4mm	5/64 / 2mm	RT6-3$^1/_2$-2	RT6-3$^1/_2$-2-SS	RT6-3$^1/_2$-2-316SS	RT6-3$^1/_2$-2-NP	1 1/32	7/16	17/32
1/4	5/32 / 4mm	3/32	RT6-3$^1/_2$-2$^1/_2$	RT6-3$^1/_2$-2$^1/_2$-SS	RT6-3$^1/_2$-2$^1/_2$-316SS	RT6-3$^1/_2$-2$^1/_2$-NP	1 1/32	7/16	17/32
1/4	5/32 / 4mm	1/8	RT6-3$^1/_2$-3	RT6-3$^1/_2$-3-SS	RT6-3$^1/_2$-3-316SS	RT6-3$^1/_2$-3-NP	1 1/8	7/16	17/32
1/4	5/32 / 4mm	5/32 / 4mm	RT6-3$^1/_2$-3$^1/_2$	RT6-3$^1/_2$-3$^1/_2$-SS	RT6-3$^1/_2$-3$^1/_2$-316SS	RT6-3$^1/_2$-3$^1/_2$-NP	1 1/8	7/16	17/32
1/4	5/32 / 4mm	.170	RT6-3$^1/_2$-4	RT6-3$^1/_2$-4-SS	RT6-3$^1/_2$-4-316SS	RT6-3$^1/_2$-4-NP	1 5/32	7/16	17/32

30 Reducing Tees (cont.) A

Tube ID			Part Numbers				Dimensions (Reference)		
9 O'clock	12 O'clock	3 O'clock	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
1/4	5/32 / 4mm	3/16	RT6-3 1/2-5	RT6-3 1/2-5-SS	RT6-3 1/2-5-316SS	RT6-3 1/2-5-NP	1 3/16	7/16	17/32
1/4	5/32 / 4mm	7/32	RT6-3 1/2-5 1/2	RT6-3 1/2-5 1/2-SS	RT6-3 1/2-5 1/2-316SS	RT6-3 1/2-5 1/2-NP	1 3/16	7/16	17/32
1/4	5/32 / 4mm	6mm	RT6-3 1/2-5 3/4	RT6-3 1/2-5 3/4-SS	RT6-3 1/2-5 3/4-316SS	RT6-3 1/2-5 3/4-NP	1 5/16	7/16	17/32
1/4	5/32 / 4mm	1/4	RT6-3 1/2-6	RT6-3 1/2-6-SS	RT6-3 1/2-6-316SS	RT6-3 1/2-6-NP	1 5/16	7/16	17/32
1/4	.170	1/16	RT6-4-1	RT6-4-1-SS	RT6-4-1-316SS	RT6-4-1-NP	1 1/32	7/16	9/16
1/4	.170	5/64 / 2mm	RT6-4-2	RT6-4-2-SS	RT6-4-2-316SS	RT6-4-2-NP	1 1/32	7/16	9/16
1/4	.170	3/32	RT6-4-2 1/2	RT6-4-2 1/2-SS	RT6-4-2 1/2-316SS	RT6-4-2 1/2-NP	1 1/32	7/16	9/16
1/4	.170	1/8	RT6-4-3	RT6-4-3-SS	RT6-4-3-316SS	RT6-4-3-NP	1 1/8	7/16	9/16
1/4	.170	5/32 / 4mm	RT6-4-3 1/2	RT6-4-3 1/2-SS	RT6-4-3 1/2-316SS	RT6-4-3 1/2-NP	1 1/8	7/16	9/16
1/4	.170	.170	RT6-4-4	RT6-4-4-SS	RT6-4-4-316SS	RT6-4-4-NP	1 5/32	7/16	9/16
1/4	.170	3/16	RT6-4-5	RT6-4-5-SS	RT6-4-5-316SS	RT6-4-5-NP	1 3/16	7/16	9/16
1/4	.170	7/32	RT6-4-5 1/2	RT6-4-5 1/2-SS	RT6-4-5 1/2-316SS	RT6-4-5 1/2-NP	1 3/16	7/16	9/16
1/4	.170	6mm	RT6-4-5 3/4	RT6-4-5 3/4-SS	RT6-4-5 3/4-316SS	RT6-4-5 3/4-NP	1 5/16	7/16	9/16
1/4	.170	1/4	RT6-4-6	RT6-4-6-SS	RT6-4-6-316SS	RT6-4-6-NP	1 5/16	7/16	9/16
1/4	3/16	1/16	RT6-5-1	RT6-5-1-SS	RT6-5-1-316SS	RT6-5-1-NP	1 1/32	7/16	19/32
1/4	3/16	5/64 / 2mm	RT6-5-2	RT6-5-2-SS	RT6-5-2-316SS	RT6-5-2-NP	1 1/32	7/16	19/32
1/4	3/16	3/32	RT6-5-2 1/2	RT6-5-2 1/2-SS	RT6-5-2 1/2-316SS	RT6-5-2-NP	1 1/32	7/16	19/32
1/4	3/16	1/8	RT6-5-3	RT6-5-3-SS	RT6-5-3-316SS	RT6-5-3-NP	1 1/8	7/16	19/32
1/4	3/16	5/32 / 4mm	RT6-5-3 1/2	RT6-5-3 1/2-SS	RT6-5-3 1/2-316SS	RT6-5-3-NP	1 1/8	7/16	19/32
1/4	3/16	.170	RT6-5-4	RT6-5-4-SS	RT6-5-4-316SS	RT6-5-4-NP	1 5/32	7/16	19/32
1/4	3/16	3/16	RT6-5-5	RT6-5-5-SS	RT6-5-5-316SS	RT6-5-5-NP	1 3/16	7/16	19/32
1/4	3/16	7/32	RT6-5-5 1/2	RT6-5-5 1/2-SS	RT6-5-5 1/2-316SS	RT6-5-5 1/2-NP	1 3/16	7/16	19/32
1/4	3/16	6mm	RT6-5-5 3/4	RT6-5-5 3/4-SS	RT6-5-5 3/4-316SS	RT6-5-5 3/4-NP	1 5/16	7/16	19/32
1/4	3/16	1/4	RT6-5-6	RT6-5-6-SS	RT6-5-6-316SS	RT6-5-6-NP	1 5/16	7/16	19/32
1/4	7/32	1/16	RT6-5 1/2-1	RT6-5 1/2-1-SS	RT6-5 1/2-1-316SS	RT6-5 1/2-1-NP	1 1/32	7/16	19/32
1/4	7/32	5/64 / 2mm	RT6-5 1/2-2	RT6-5 1/2-2-SS	RT6-5 1/2-2-316SS	RT6-5 1/2-2-NP	1 1/32	7/16	19/32
1/4	7/32	3/32	RT6-5 1/2-2 1/2	RT6-5 1/2-2 1/2-SS	RT6-5 1/2-2 1/2-316SS	RT6-5 1/2-2 1/2-NP	1 1/32	7/16	19/32
1/4	7/32	1/8	RT6-5 1/2-3	RT6-5 1/2-3-SS	RT6-5 1/2-3-316SS	RT6-5 1/2-3-NP	1 1/8	7/16	19/32
1/4	7/32	5/32 / 4mm	RT6-5 1/2-3 1/2	RT6-5 1/2-3 1/2-SS	RT6-5 1/2-3 1/2-316SS	RT6-5 1/2-3 1/2-NP	1 1/8	7/16	19/32
1/4	7/32	.170	RT6-5 1/2-4	RT6-5 1/2-4-SS	RT6-5 1/2-4-316SS	RT6-5 1/2-4-NP	1 5/32	7/16	19/32
1/4	7/32	3/16	RT6-5 1/2-5	RT6-5 1/2-5-SS	RT6-5 1/2-5-316SS	RT6-5 1/2-5-NP	1 3/16	7/16	19/32
1/4	7/32	7/32	RT6-5 1/2-5 1/2	RT6-5 1/2-5 1/2-SS	RT6-5 1/2-5 1/2-316SS	RT6-5 1/2-5 1/2-NP	1 3/16	7/16	19/32
1/4	7/32	6mm	RT6-5 1/2-5 3/4	RT6-5 1/2-5 3/4-SS	RT6-5 1/2-5 3/4-316SS	RT6-5 1/2-5 3/4-NP	1 5/16	7/16	19/32
1/4	7/32	1/4	RT6-5 1/2-6	RT6-5 1/2-6-SS	RT6-5 1/2-6-316SS	RT6-5 1/2-6-NP	1 5/16	7/16	19/32
1/4	6mm	1/16	RT6-5 3/4-1	RT6-5 3/4-1-SS	RT6-5 3/4-1-316SS	RT6-5 3/4-1-NP	1 1/32	7/16	23/32
1/4	6mm	5/64 / 2mm	RT6-5 3/4-2	RT6-5 3/4-2-SS	RT6-5 3/4-2-316SS	RT6-5 3/4-2-NP	1 1/32	7/16	23/32
1/4	6mm	3/32	RT6-5 3/4-2 1/2	RT6-5 3/4-2 1/2-SS	RT6-5 3/4-2 1/2-316SS	RT6-5 3/4-2 1/2-NP	1 1/32	7/16	23/32
1/4	6mm	1/8	RT6-5 3/4-3	RT6-5 3/4-3-SS	RT6-5 3/4-3-316SS	RT6-5 3/4-3-NP	1 1/8	7/16	23/32
1/4	6mm	5/32 / 4mm	RT6-5 3/4-3 1/2	RT6-5 3/4-3 1/2-SS	RT6-5 3/4-3 1/2-316SS	RT6-5 3/4-3 1/2-NP	1 1/8	7/16	23/32
1/4	6mm	.170	RT6-5 3/4-4	RT6-5 3/4-4-SS	RT6-5 3/4-4-316SS	RT6-5 3/4-4-NP	1 5/32	7/16	23/32




RT6-3 1/2-5 1/2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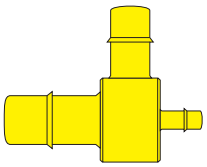
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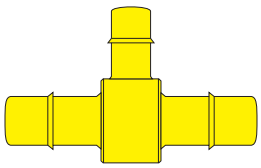
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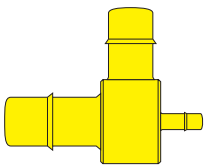
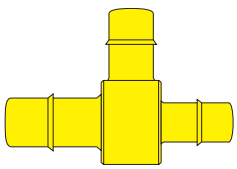

RT6-5 1/2-1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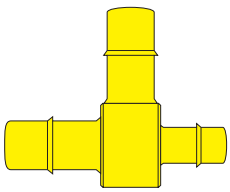
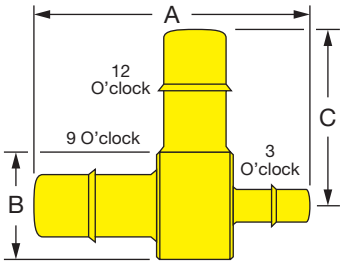
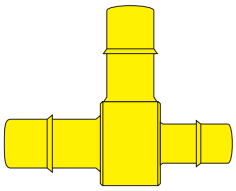

RT6-5 3/4-4

Continued on next page.

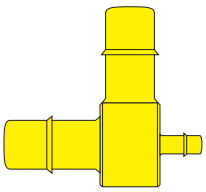
A

Reducing Tees (cont.) 31

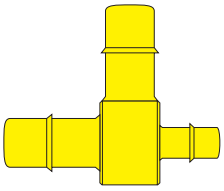




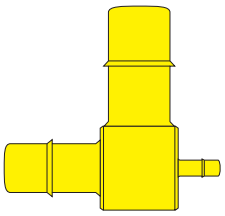
RT6-5$^{3}/_{4}$-5



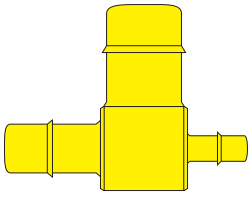
RT6-6-2



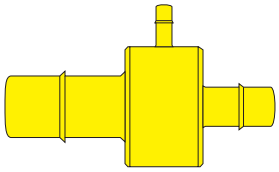
RT6-6-3$^{1}/_{2}$



RT6-7-1



RT6-8-3



RT7-1-5

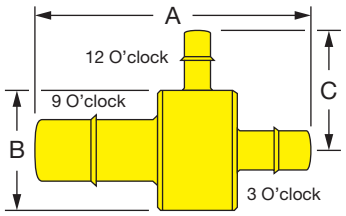
Square Body Tees available! See page 518!

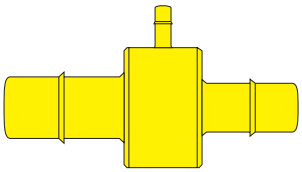
Continued on next page.

Tube ID			Part Numbers				Dimensions (Reference)		
9 O'clock	12 O'clock	3 O'clock	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
1/4	6mm	3/16	RT6-5$^{3}/_{4}$-5	RT6-5$^{3}/_{4}$-5-SS	RT6-5$^{3}/_{4}$-5-316SS	RT6-5$^{3}/_{4}$-5-NP	1$^{3}/_{16}$	7/16	23/32
1/4	6mm	7/32	RT6-5$^{3}/_{4}$-5$^{1}/_{2}$	RT6-5$^{3}/_{4}$-5$^{1}/_{2}$-SS	RT6-5$^{3}/_{4}$-5$^{1}/_{2}$-316SS	RT6-5$^{3}/_{4}$-5$^{1}/_{2}$-NP	1$^{3}/_{16}$	7/16	23/32
1/4	6mm	6mm	RT6-5$^{3}/_{4}$-5$^{3}/_{4}$	RT6-5$^{3}/_{4}$-5$^{3}/_{4}$-SS	RT6-5$^{3}/_{4}$-5$^{3}/_{4}$-316SS	RT6-5$^{3}/_{4}$-5$^{3}/_{4}$-NP	1$^{5}/_{16}$	7/16	23/32
1/4	6mm	1/4	RT6-5$^{3}/_{4}$-6	RT6-5$^{3}/_{4}$-6-SS	RT6-5$^{3}/_{4}$-6-316SS	RT6-5$^{3}/_{4}$-6-NP	1$^{5}/_{16}$	7/16	23/32
1/4	1/4	1/16	RT6-6-1	RT6-6-1-SS	RT6-6-1-316SS	RT6-6-1-NP	1$^{3}/_{32}$	7/16	23/32
1/4	1/4	5/64 / 2mm	RT6-6-2	RT6-6-2-SS	RT6-6-2-316SS	RT6-6-2-NP	1$^{3}/_{32}$	7/16	23/32
1/4	1/4	3/32	RT6-6-2$^{1}/_{2}$	RT6-6-2$^{1}/_{2}$-SS	RT6-6-2$^{1}/_{2}$-316SS	RT6-6-2$^{1}/_{2}$-NP	1$^{3}/_{32}$	7/16	23/32
1/4	1/4	1/8	RT6-6-3	RT6-6-3-SS	RT6-6-3-316SS	RT6-6-3-NP	1$^{1}/_{8}$	7/16	23/32
1/4	1/4	5/32 / 4mm	RT6-6-3$^{1}/_{2}$	RT6-6-3$^{1}/_{2}$-SS	RT6-6-3$^{1}/_{2}$-316SS	RT6-6-3$^{1}/_{2}$-NP	1$^{1}/_{8}$	7/16	23/32
1/4	1/4	.170	RT6-6-4	RT6-6-4-SS	RT6-6-4-316SS	RT6-6-4-NP	1$^{5}/_{32}$	7/16	23/32
1/4	1/4	3/16	RT6-6-5	RT6-6-5-SS	RT6-6-5-316SS	RT6-6-5-NP	1$^{3}/_{16}$	7/16	23/32
1/4	1/4	7/32	RT6-6-5$^{1}/_{2}$	RT6-6-5$^{1}/_{2}$-SS	RT6-6-5$^{1}/_{2}$-316SS	RT6-6-5$^{1}/_{2}$-NP	1$^{3}/_{15}$	7/16	23/32
1/4	1/4	6mm	RT6-6-5$^{3}/_{4}$	RT6-6-5$^{3}/_{4}$-SS	RT6-6-5$^{3}/_{4}$-316SS	RT6-6-5$^{3}/_{4}$-NP	1$^{5}/_{16}$	7/16	23/32
1/4	5/16	1/16	RT6-7-1	RT6-7-1-SS	RT6-7-1-316SS	RT6-7-1-NP	1$^{1}/_{8}$	7/16	27/32
1/4	5/16	5/64 / 2mm	RT6-7-2	RT6-7-2-SS	RT6-7-2-316SS	RT6-7-2-NP	1$^{1}/_{8}$	7/16	27/32
1/4	5/16	3/32	RT6-7-2$^{1}/_{2}$	RT6-7-2$^{1}/_{2}$-SS	RT6-7-2$^{1}/_{2}$-316SS	RT6-7-2$^{1}/_{2}$-NP	1$^{1}/_{8}$	7/16	27/32
1/4	5/16	1/8	RT6-7-3	RT6-7-3-SS	RT6-7-3-316SS	RT6-7-3-NP	1$^{7}/_{32}$	7/16	27/32
1/4	5/16	5/32 / 4mm	RT6-7-3$^{1}/_{2}$	RT6-7-3$^{1}/_{2}$-SS	RT6-7-3$^{1}/_{2}$-316SS	RT6-7-3$^{1}/_{2}$-NP	1$^{7}/_{32}$	7/16	27/32
1/4	5/16	.170	RT6-7-4	RT6-7-4-SS	RT6-7-4-316SS	RT6-7-4-NP	1$^{9}/_{32}$	7/16	27/32
1/4	5/16	3/16	RT6-7-5	RT6-7-5-SS	RT6-7-5-316SS	RT6-7-5-NP	1$^{13}/_{32}$	7/16	27/32
1/4	5/16	7/32	RT6-7-5$^{1}/_{2}$	RT6-7-5$^{1}/_{2}$-SS	RT6-7-5$^{1}/_{2}$-316SS	RT6-7-5$^{1}/_{2}$-NP	1$^{13}/_{32}$	7/16	27/32
1/4	5/16	6mm	RT6-7-5$^{3}/_{4}$	RT6-7-5$^{3}/_{4}$-SS	RT6-7-5$^{3}/_{4}$-316SS	RT6-7-5$^{3}/_{4}$-NP	1$^{17}/_{32}$	7/16	27/32
1/4	5/16	1/4	RT6-7-6	RT6-7-6-SS	RT6-7-6-316SS	RT6-7-6-NP	1$^{17}/_{32}$	7/16	27/32
1/4	3/8	1/16	RT6-8-1	RT6-8-1-SS	RT6-8-1-316SS	RT6-8-1-NP	1$^{11}/_{64}$	7/16	3/4
1/4	3/8	5/64 / 2mm	RT6-8-2	RT6-8-2-SS	RT6-8-2-316SS	RT6-8-2-NP	1$^{11}/_{64}$	7/16	3/4
1/4	3/8	3/32	RT6-8-2$^{1}/_{2}$	RT6-8-2$^{1}/_{2}$-SS	RT6-8-2$^{1}/_{2}$-316SS	RT6-8-2$^{1}/_{2}$-NP	1$^{11}/_{64}$	7/16	3/4
1/4	3/8	1/8	RT6-8-3	RT6-8-3-SS	RT6-8-3-316SS	RT6-8-3-NP	1$^{17}/_{64}$	7/16	3/4
1/4	3/8	5/32 / 4mm	RT6-8-3$^{1}/_{2}$	RT6-8-3$^{1}/_{2}$-SS	RT6-8-3$^{1}/_{2}$-316SS	RT6-8-3$^{1}/_{2}$-NP	1$^{17}/_{64}$	7/16	3/4
1/4	3/8	.170	RT6-8-4	RT6-8-4-SS	RT6-8-4-316SS	RT6-8-4-NP	1$^{19}/_{64}$	7/16	3/4
1/4	3/8	3/16	RT6-8-5	RT6-8-5-SS	RT6-8-5-316SS	RT6-8-5-NP	1$^{21}/_{64}$	7/16	3/4
1/4	3/8	7/32	RT6-8-5$^{1}/_{2}$	RT6-8-5$^{1}/_{2}$-SS	RT6-8-5$^{1}/_{2}$-316SS	RT6-8-5$^{1}/_{2}$-NP	1$^{21}/_{64}$	7/16	3/4
1/4	3/8	6mm	RT6-8-5$^{3}/_{4}$	RT6-8-5$^{3}/_{4}$-SS	RT6-8-5$^{3}/_{4}$-316SS	RT6-8-5$^{3}/_{4}$-NP	1$^{29}/_{64}$	7/16	3/4
1/4	3/8	1/4	RT6-8-6	RT6-8-6-SS	RT6-8-6-316SS	RT6-8-6-NP	1$^{29}/_{64}$	7/16	3/4
5/16 / 8mm	1/16	1/16	RT7-1-1	RT7-1-1-SS	RT7-1-1-316SS	RT7-1-1-NP	1$^{1}/_{8}$	5/8	17/32
5/16 / 8mm	1/16	5/64 / 2mm	RT7-1-2	RT7-1-2-SS	RT7-1-2-316SS	RT7-1-2-NP	1$^{1}/_{8}$	5/8	17/32
5/16 / 8mm	1/16	3/32	RT7-1-2$^{1}/_{2}$	RT7-1-2$^{1}/_{2}$-SS	RT7-1-2$^{1}/_{2}$-316SS	RT7-1-2$^{1}/_{2}$-NP	1$^{1}/_{8}$	5/8	17/32
5/16 / 8mm	1/16	1/8	RT7-1-3	RT7-1-3-SS	RT7-1-3-316SS	RT7-1-3-NP	1$^{11}/_{32}$	5/8	17/32
5/16 / 8mm	1/16	5/32 / 4mm	RT7-1-3$^{1}/_{2}$	RT7-1-3$^{1}/_{2}$-SS	RT7-1-3$^{1}/_{2}$-316SS	RT7-1-3$^{1}/_{2}$-NP	1$^{11}/_{32}$	5/8	17/32
5/16 / 8mm	1/16	.170	RT7-1-4	RT7-1-4-SS	RT7-1-4-316SS	RT7-1-4-NP	1$^{3}/_{8}$	5/8	17/32
5/16 / 8mm	1/16	3/16	RT7-1-5	RT7-1-5-SS	RT7-1-5-316SS	RT7-1-5-NP	1$^{13}/_{32}$	5/8	17/32

32 Reducing Tees (cont.) A

Tube ID			Part Numbers				Dimensions (Reference)		
9 O'clock	12 O'clock	3 O'clock	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
5/16 / 8mm	1/16	7/32	RT7-1-5 1/2	RT7-1-5 1/2-SS	RT7-1-5 1/2-316SS	RT7-1-5 1/2-NP	1 13/32	5/8	17/32
5/16 / 8mm	1/16	6mm	RT7-1-5 3/4	RT7-1-5 3/4-SS	RT7-1-5 3/4-316SS	RT7-1-5 3/4-NP	1 17/32	5/8	17/32
5/16 / 8mm	1/16	1/4	RT7-1-6	RT7-1-6-SS	RT7-1-6-316SS	RT7-1-6-NP	1 17/32	5/8	17/32
5/16 / 8mm	1/16	5/16 / 8mm	RT7-1-7	RT7-1-7-SS	RT7-1-7-316SS	RT7-1-7-NP	1 21/32	5/8	17/32
5/16 / 8mm	5/64 / 2mm	1/16	RT7-2-1	RT7-2-1-SS	RT7-2-1-316SS	RT7-2-1-NP	1 1/8	5/8	17/32
5/16 / 8mm	5/64 / 2mm	5/64 / 2mm	RT7-2-2	RT7-2-2-SS	RT7-2-2-316SS	RT7-2-2-NP	1 1/8	5/8	17/32
5/16 / 8mm	5/64 / 2mm	3/32	RT7-2-2 1/2	RT7-2-2 1/2-SS	RT7-2-2 1/2-316SS	RT7-2-2 1/2-NP	1 1/8	5/8	17/32
5/16 / 8mm	5/64 / 2mm	1/8	RT7-2-3	RT7-2-3-SS	RT7-2-3-316SS	RT7-2-3-NP	1 11/32	5/8	17/32
5/16 / 8mm	5/64 / 2mm	5/32 / 4mm	RT7-2-3 1/2	RT7-2-3 1/2-SS	RT7-2-3 1/2-316SS	RT7-2-3 1/2-NP	1 11/32	5/8	17/32
5/16 / 8mm	5/64 / 2mm	.170	RT7-2-4	RT7-2-4-SS	RT7-2-4-316SS	RT7-2-4-NP	1 3/8	5/8	17/32
5/16 / 8mm	5/64 / 2mm	3/16	RT7-2-5	RT7-2-5-SS	RT7-2-5-316SS	RT7-2-5-NP	1 13/32	5/8	17/32
5/16 / 8mm	5/64 / 2mm	7/32	RT7-2-5 1/2	RT7-2-5 1/2-SS	RT7-2-5 1/2-316SS	RT7-2-5 1/2-NP	1 13/32	5/8	17/32
5/16 / 8mm	5/64 / 2mm	6mm	RT7-2-5 3/4	RT7-2-5 3/4-SS	RT7-2-5 3/4-316SS	RT7-2-5 3/4-NP	1 17/32	5/8	17/32
5/16 / 8mm	5/64 / 2mm	1/4	RT7-2-6	RT7-2-6-SS	RT7-2-6-316SS	RT7-2-6-NP	1 17/32	5/8	17/32
5/16 / 8mm	5/64 / 2mm	5/16 / 8mm	RT7-2-7	RT7-2-7-SS	RT7-2-7-316SS	RT7-2-7-NP	1 21/32	5/8	17/32
5/16 / 8mm	3/32	1/16	RT7-2 1/2-1	RT7-2 1/2-1-SS	RT7-2 1/2-1-316SS	RT7-2 1/2-1-NP	1 1/8	5/8	17/32
5/16 / 8mm	3/32	5/64 / 2mm	RT7-2 1/2-2	RT7-2 1/2-2-SS	RT7-2 1/2-2-316SS	RT7-2 1/2-2-NP	1 1/8	5/8	17/32
5/16 / 8mm	3/32	3/32	RT7-2 1/2-2 1/2	RT7-2 1/2-2 1/2-SS	RT7-2 1/2-2 1/2-316SS	RT7-2 1/2-2 1/2-NP	1 1/8	5/8	17/32
5/16 / 8mm	3/32	1/8	RT7-2 1/2-3	RT7-2 1/2-3-SS	RT7-2 1/2-3-316SS	RT7-2 1/2-3-NP	1 11/32	5/8	17/32
5/16 / 8mm	3/32	5/32 / 4mm	RT7-2 1/2-3 1/2	RT7-2 1/2-3 1/2-SS	RT7-2 1/2-3 1/2-316SS	RT7-2 1/2-3 1/2-NP	1 11/32	5/8	17/32
5/16 / 8mm	3/32	.170	RT7-2 1/2-4	RT7-2 1/2-4-SS	RT7-2 1/2-4-316SS	RT7-2 1/2-4-NP	1 3/8	5/8	17/32
5/16 / 8mm	3/32	3/16	RT7-2 1/2-5	RT7-2 1/2-5-SS	RT7-2 1/2-5-316SS	RT7-2 1/2-5-NP	1 13/32	5/8	17/32
5/16 / 8mm	3/32	7/32	RT7-2 1/2-5 1/2	RT7-2 1/2-5 1/2-SS	RT7-2 1/2-5 1/2-316SS	RT7-2 1/2-5 1/2-NP	1 13/32	5/8	17/32
5/16 / 8mm	3/32	6mm	RT7-2 1/2-5 3/4	RT7-2 1/2-5 3/4-SS	RT7-2 1/2-5 3/4-316SS	RT7-2 1/2-5 3/4-NP	1 17/32	5/8	17/32
5/16 / 8mm	3/32	1/4	RT7-2 1/2-6	RT7-2 1/2-6-SS	RT7-2 1/2-6-316SS	RT7-2 1/2-6-NP	1 17/32	5/8	17/32
5/16 / 8mm	3/32	5/16 / 8mm	RT7-2 1/2-7	RT7-2 1/2-7-SS	RT7-2 1/2-7-316SS	RT7-2 1/2-7-NP	1 21/32	5/8	17/32
5/16 / 8mm	1/8	1/16	RT7-3-1	RT7-3-1-SS	RT7-3-1-316SS	RT7-3-1-NP	1 1/8	5/8	5/8
5/16 / 8mm	1/8	5/64 / 2mm	RT7-3-2	RT7-3-2-SS	RT7-3-2-316SS	RT7-3-2-NP	1 1/8	5/8	5/8
5/16 / 8mm	1/8	3/32	RT7-3-2 1/2	RT7-3-2 1/2-SS	RT7-3-2 1/2-316SS	RT7-3-2 1/2-NP	1 1/8	5/8	5/8
5/16 / 8mm	1/8	1/8	RT7-3-3	RT7-3-3-SS	RT7-3-3-316SS	RT7-3-3-NP	1 11/32	5/8	5/8
5/16 / 8mm	1/8	5/32 / 4mm	RT7-3-3 1/2	RT7-3-3 1/2-SS	RT7-3-3 1/2-316SS	RT7-3-3 1/2-NP	1 11/32	5/8	5/8
5/16 / 8mm	1/8	.170	RT7-3-4	RT7-3-4-SS	RT7-3-4-316SS	RT7-3-4-NP	1 3/8	5/8	5/8
5/16 / 8mm	1/8	3/16	RT7-3-5	RT7-3-5-SS	RT7-3-5-316SS	RT7-3-5-NP	1 13/32	5/8	5/8
5/16 / 8mm	1/8	7/32	RT7-3-5 1/2	RT7-3-5 1/2-SS	RT7-3-5 1/2-316SS	RT7-3-5 1/2-NP	1 13/32	5/8	5/8
5/16 / 8mm	1/8	6mm	RT7-3-5 3/4	RT7-3-5 3/4-SS	RT7-3-5 3/4-316SS	RT7-3-5 3/4-NP	1 17/32	5/8	5/8
5/16 / 8mm	1/8	1/4	RT7-3-6	RT7-3-6-SS	RT7-3-6-316SS	RT7-3-6-NP	1 17/32	5/8	5/8
5/16 / 8mm	1/8	5/16 / 8mm	RT7-3-7	RT7-3-7-SS	RT7-3-7-316SS	RT7-3-7-NP	1 21/32	5/8	5/8
5/16 / 8mm	5/32 / 4mm	1/16	RT7-3 1/2-1	RT7-3 1/2-1-SS	RT7-3 1/2-1-316SS	RT7-3 1/2-1-NP	1 1/8	5/8	5/8
5/16 / 8mm	5/32 / 4mm	5/64 / 2mm	RT7-3 1/2-2	RT7-3 1/2-2-SS	RT7-3 1/2-2-316SS	RT7-3 1/2-2-NP	1 1/8	5/8	5/8
5/16 / 8mm	5/32 / 4mm	3/32	RT7-3 1/2-2 1/2	RT7-3 1/2-2 1/2-SS	RT7-3 1/2-2 1/2-316SS	RT7-3 1/2-2 1/2-NP	1 1/8	5/8	5/8

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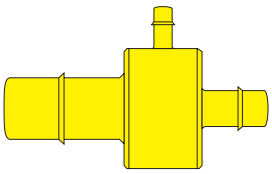
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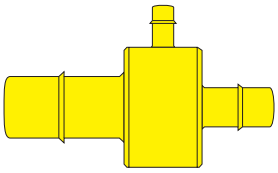
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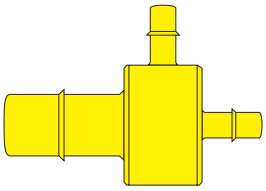
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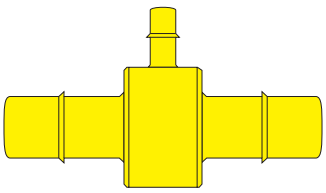
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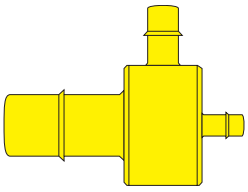
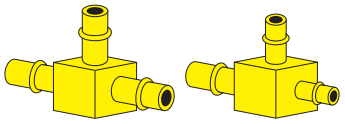

RT7-3 1/2-2 1/2

Continued on next page.

See page 518 for Square Bodies!



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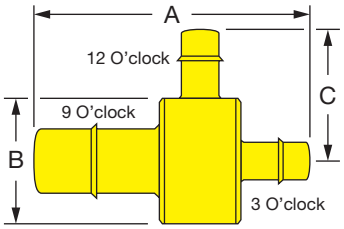
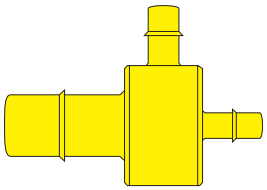
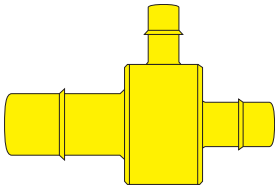
Reducing Tees (cont.) 33

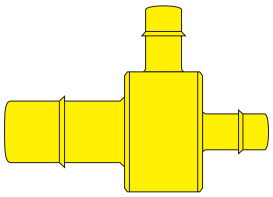




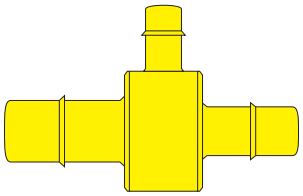
RT7-3$^{1}/_{2}$-3



RT7-3$^{1}/_{2}$-5$^{1}/_{2}$



RT7-4-4



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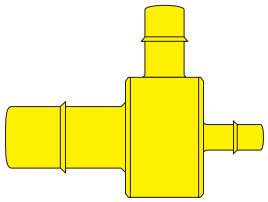
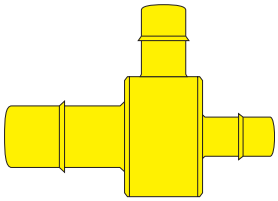


RT7-5-3



RT7-5$^{1}/_{2}$-5

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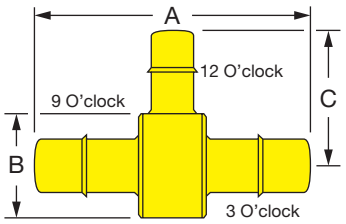
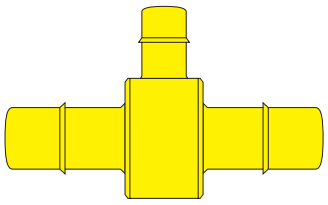
Tube ID			Part Numbers				Dimensions (Reference)		
9 O'clock	12 O'clock	3 O'clock	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
5/16 / 8mm	5/32 / 4mm	1/8	RT7-3$^{1}/_{2}$-3	RT7-3$^{1}/_{2}$-3-SS	RT7-3$^{1}/_{2}$-3-316SS	RT7-3$^{1}/_{2}$-3-NP	1 11/32	5/8	5/8
5/16 / 8mm	5/32 / 4mm	5/32 / 4mm	RT7-3$^{1}/_{2}$-3$^{1}/_{2}$	RT7-3$^{1}/_{2}$-3$^{1}/_{2}$-SS	RT7-3$^{1}/_{2}$-3$^{1}/_{2}$-316SS	RT7-3$^{1}/_{2}$-3$^{1}/_{2}$-NP	1 11/32	5/8	5/8
5/16 / 8mm	5/32 / 4mm	.170	RT7-3$^{1}/_{2}$-4	RT7-3$^{1}/_{2}$-4-SS	RT7-3$^{1}/_{2}$-4-316SS	RT7-3$^{1}/_{2}$-4-NP	1 3/8	5/8	5/8
5/16 / 8mm	5/32 / 4mm	3/16	RT7-3$^{1}/_{2}$-5	RT7-3$^{1}/_{2}$-5-SS	RT7-3$^{1}/_{2}$-5-316SS	RT7-3$^{1}/_{2}$-5-NP	1 13/32	5/8	5/8
5/16 / 8mm	5/32 / 4mm	7/32	RT7-3$^{1}/_{2}$-5$^{1}/_{2}$	RT7-3$^{1}/_{2}$-5$^{1}/_{2}$-SS	RT7-3$^{1}/_{2}$-5$^{1}/_{2}$-316SS	RT7-3$^{1}/_{2}$-5$^{1}/_{2}$-NP	1 13/32	5/8	5/8
5/16 / 8mm	5/32 / 4mm	6mm	RT7-3$^{1}/_{2}$-5$^{3}/_{4}$	RT7-3$^{1}/_{2}$-5$^{3}/_{4}$-SS	RT7-3$^{1}/_{2}$-5$^{3}/_{4}$-316SS	RT7-3$^{1}/_{2}$-5$^{3}/_{4}$-NP	1 17/32	5/8	5/8
5/16 / 8mm	5/32 / 4mm	1/4	RT7-3$^{1}/_{2}$-6	RT7-3$^{1}/_{2}$-6-SS	RT7-3$^{1}/_{2}$-6-316SS	RT7-3$^{1}/_{2}$-6-NP	1 17/32	5/8	5/8
5/16 / 8mm	5/32 / 4mm	5/16 / 8mm	RT7-3$^{1}/_{2}$-7	RT7-3$^{1}/_{2}$-7-SS	RT7-3$^{1}/_{2}$-7-316SS	RT7-3$^{1}/_{2}$-7-NP	1 21/32	5/8	5/8
5/16 / 8mm	.170	1/16	RT7-4-1	RT7-4-1-SS	RT7-4-1-316SS	RT7-4-1-NP	1 1/8	5/8	21/32
5/16 / 8mm	.170	5/64 / 2mm	RT7-4-2	RT7-4-2-SS	RT7-4-2-316SS	RT7-4-2-NP	1 1/8	5/8	21/32
5/16 / 8mm	.170	3/32	RT7-4-2$^{1}/_{2}$	RT7-4-2$^{1}/_{2}$-SS	RT7-4-2$^{1}/_{2}$-316SS	RT7-4-2$^{1}/_{2}$-NP	1 1/8	5/8	21/32
5/16 / 8mm	.170	1/8	RT7-4-3	RT7-4-3-SS	RT7-4-3-316SS	RT7-4-3-NP	1 11/32	5/8	21/32
5/16 / 8mm	.170	5/32 / 4mm	RT7-4-3$^{1}/_{2}$	RT7-4-3$^{1}/_{2}$-SS	RT7-4-3$^{1}/_{2}$-316SS	RT7-4-3$^{1}/_{2}$-NP	1 11/32	5/8	21/32
5/16 / 8mm	.170	.170	RT7-4-4	RT7-4-4-SS	RT7-4-4-316SS	RT7-4-4-NP	1 3/8	5/8	21/32
5/16 / 8mm	.170	3/16	RT7-4-5	RT7-4-5-SS	RT7-4-5-316SS	RT7-4-5-NP	1 13/32	5/8	21/32
5/16 / 8mm	.170	7/32	RT7-4-5$^{1}/_{2}$	RT7-4-5$^{1}/_{2}$-SS	RT7-4-5$^{1}/_{2}$-316SS	RT7-4-5$^{1}/_{2}$-NP	1 13/32	5/8	21/32
5/16 / 8mm	.170	6mm	RT7-4-5$^{3}/_{4}$	RT7-4-5$^{3}/_{4}$-SS	RT7-4-5$^{3}/_{4}$-316SS	RT7-4-5$^{3}/_{4}$-NP	1 17/32	5/8	21/32
5/16 / 8mm	.170	1/4	RT7-4-6	RT7-4-6-SS	RT7-4-6-316SS	RT7-4-6-NP	1 17/32	5/8	21/32
5/16 / 8mm	.170	5/16 / 8mm	RT7-4-7	RT7-4-7-SS	RT7-4-7-316SS	RT7-4-7-NP	1 21/32	5/8	21/32
5/16 / 8mm	3/16	1/16	RT7-5-1	RT7-5-1-SS	RT7-5-1-316SS	RT7-5-1-NP	1 1/8	5/8	11/16
5/16 / 8mm	3/16	5/64 / 2mm	RT7-5-2	RT7-5-2-SS	RT7-5-2-316SS	RT7-5-2-NP	1 1/8	5/8	11/16
5/16 / 8mm	3/16	3/32	RT7-5-2$^{1}/_{2}$	RT7-5-2$^{1}/_{2}$-SS	RT7-5-2$^{1}/_{2}$-316SS	RT7-5-2$^{1}/_{2}$-NP	1 1/8	5/8	11/16
5/16 / 8mm	3/16	1/8	RT7-5-3	RT7-5-3-SS	RT7-5-3-316SS	RT7-5-3-NP	1 11/32	5/8	11/16
5/16 / 8mm	3/16	5/32 / 4mm	RT7-5-3$^{1}/_{2}$	RT7-5-3$^{1}/_{2}$-SS	RT7-5-3$^{1}/_{2}$-316SS	RT7-5-3$^{1}/_{2}$-NP	1 11/32	5/8	11/16
5/16 / 8mm	3/16	.170	RT7-5-4	RT7-5-4-SS	RT7-5-4-316SS	RT7-5-4-NP	1 3/8	5/8	11/16
5/16 / 8mm	3/16	3/16	RT7-5-5	RT7-5-5-SS	RT7-5-5-316SS	RT7-5-5-NP	1 13/32	5/8	11/16
5/16 / 8mm	3/16	7/32	RT7-5-5$^{1}/_{2}$	RT7-5-5$^{1}/_{2}$-SS	RT7-5-5$^{1}/_{2}$-316SS	RT7-5-5$^{1}/_{2}$-NP	1 13/32	5/8	11/16
5/16 / 8mm	3/16	6mm	RT7-5-5$^{3}/_{4}$	RT7-5-5$^{3}/_{4}$-SS	RT7-5-5$^{3}/_{4}$-316SS	RT7-5-5$^{3}/_{4}$-NP	1 17/32	5/8	11/16
5/16 / 8mm	3/16	1/4	RT7-5-6	RT7-5-6-SS	RT7-5-6-316SS	RT7-5-6-NP	1 17/32	5/8	11/16
5/16 / 8mm	3/16	5/16 / 8mm	RT7-5-7	RT7-5-7-SS	RT7-5-7-316SS	RT7-5-7-NP	1 21/32	5/8	11/16
5/16 / 8mm	7/32	1/16	RT7-5$^{1}/_{2}$-1	RT7-5$^{1}/_{2}$-1-SS	RT7-5$^{1}/_{2}$-1-316SS	RT7-5$^{1}/_{2}$-1-NP	1 1/8	5/8	11/16
5/16 / 8mm	7/32	5/64 / 2mm	RT7-5$^{1}/_{2}$-2	RT7-5$^{1}/_{2}$-2-SS	RT7-5$^{1}/_{2}$-2-316SS	RT7-5$^{1}/_{2}$-2-NP	1 1/8	5/8	11/16
5/16 / 8mm	7/32	3/32	RT7-5$^{1}/_{2}$-2$^{1}/_{2}$	RT7-5$^{1}/_{2}$-2$^{1}/_{2}$-SS	RT7-5$^{1}/_{2}$-2$^{1}/_{2}$-316SS	RT7-5$^{1}/_{2}$-2$^{1}/_{2}$-NP	1 1/8	5/8	11/16
5/16 / 8mm	7/32	1/8	RT7-5$^{1}/_{2}$-3	RT7-5$^{1}/_{2}$-3-SS	RT7-5$^{1}/_{2}$-3-316SS	RT7-5$^{1}/_{2}$-3-NP	1 11/32	5/8	11/16
5/16 / 8mm	7/32	5/32 / 4mm	RT7-5$^{1}/_{2}$-3$^{1}/_{2}$	RT7-5$^{1}/_{2}$-3$^{1}/_{2}$-SS	RT7-5$^{1}/_{2}$-3$^{1}/_{2}$-316SS	RT7-5$^{1}/_{2}$-3$^{1}/_{2}$-NP	1 11/32	5/8	11/16
5/16 / 8mm	7/32	.170	RT7-5$^{1}/_{2}$-4	RT7-5$^{1}/_{2}$-4-SS	RT7-5$^{1}/_{2}$-4-316SS	RT7-5$^{1}/_{2}$-4-NP	1 3/8	5/8	11/16
5/16 / 8mm	7/32	3/16	RT7-5$^{1}/_{2}$-5	RT7-5$^{1}/_{2}$-5-SS	RT7-5$^{1}/_{2}$-5-316SS	RT7-5$^{1}/_{2}$-5-NP	1 13/32	5/8	11/16
5/16 / 8mm	7/32	7/32	RT7-5$^{1}/_{2}$-5$^{1}/_{2}$	RT7-5$^{1}/_{2}$-5$^{1}/_{2}$-SS	RT7-5$^{1}/_{2}$-5$^{1}/_{2}$-316SS	RT7-5$^{1}/_{2}$-5$^{1}/_{2}$-NP	1 13/32	5/8	11/16
5/16 / 8mm	7/32	6mm	RT7-5$^{1}/_{2}$-5$^{3}/_{4}$	RT7-5$^{1}/_{2}$-5$^{3}/_{4}$-SS	RT7-5$^{1}/_{2}$-5$^{3}/_{4}$-316SS	RT7-5$^{1}/_{2}$-5$^{3}/_{4}$-NP	1 17/32	5/8	11/16
5/16 / 8mm	7/32	1/4	RT7-5$^{1}/_{2}$-6	RT7-5$^{1}/_{2}$-6-SS	RT7-5$^{1}/_{2}$-6-316SS	RT7-5$^{1}/_{2}$-6-NP	1 17/32	5/8	11/16

34 Reducing Tees (cont.) A

Tube ID			Part Numbers				Dimensions (Reference)		
9 O'clock	12 O'clock	3 O'clock	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
5/16 / 8mm	7/32	5/16 / 8mm	RT7-5 1/2-7	RT7-5 1/2-7-SS	RT7-5 1/2-7-316SS	RT7-5 1/2-7-NP	1 21/32	5/8	1 1/16
5/16 / 8mm	6mm	1/16	RT7-5 3/4-1	RT7-5 3/4-1-SS	RT7-5 3/4-1-316SS	RT7-5 3/4-1-NP	1 1/8	5/8	13/16
5/16 / 8mm	6mm	5/64 / 2mm	RT7-5 3/4-2	RT7-5 3/4-2-SS	RT7-5 3/4-2-316SS	RT7-5 3/4-2-NP	1 1/8	5/8	13/16
5/16 / 8mm	6mm	3/32	RT7-5 3/4-2 1/2	RT7-5 3/4-2 1/2-SS	RT7-5 3/4-2 1/2-316SS	RT7-5 3/4-2 1/2-NP	1 1/8	5/8	13/16
5/16 / 8mm	6mm	1/8	RT7-5 3/4-3	RT7-5 3/4-3-SS	RT7-5 3/4-3-316SS	RT7-5 3/4-3-NP	1 11/32	5/8	13/16
5/16 / 8mm	6mm	5/32 / 4mm	RT7-5 3/4-3 1/2	RT7-5 3/4-3 1/2-SS	RT7-5 3/4-3 1/2-316SS	RT7-5 3/4-3 1/2-NP	1 11/32	5/8	13/16
5/16 / 8mm	6mm	.170	RT7-5 3/4-4	RT7-5 3/4-4-SS	RT7-5 3/4-4-316SS	RT7-5 3/4-4-NP	1 3/8	5/8	13/16
5/16 / 8mm	6mm	3/16	RT7-5 3/4-5	RT7-5 3/4-5-SS	RT7-5 3/4-5-316SS	RT7-5 3/4-5-NP	1 13/32	5/8	13/16
5/16 / 8mm	6mm	7/32	RT7-5 3/4-5 1/2	RT7-5 3/4-5 1/2-SS	RT7-5 3/4-5 1/2-316SS	RT7-5 3/4-5 1/2-NP	1 13/32	5/8	13/16
5/16 / 8mm	6mm	6mm	RT7-5 3/4-5 3/4	RT7-5 3/4-5 3/4-SS	RT7-5 3/4-5 3/4-316SS	RT7-5 3/4-5 3/4-NP	1 17/32	5/8	13/16
5/16 / 8mm	6mm	1/4	RT7-5 3/4-6	RT7-5 3/4-6-SS	RT7-5 3/4-6-316SS	RT7-5 3/4-6-NP	1 17/32	5/8	13/16
5/16 / 8mm	6mm	5/16 / 8mm	RT7-5 3/4-7	RT7-5 3/4-7-SS	RT7-5 3/4-7-316SS	RT7-5 3/4-7-NP	1 21/32	5/8	13/16
5/16 / 8mm	1/4	1/16	RT7-6-1	RT7-6-1-SS	RT7-6-1-316SS	RT7-6-1-NP	1 1/8	5/8	13/16
5/16 / 8mm	1/4	5/64 / 2mm	RT7-6-2	RT7-6-2-SS	RT7-6-2-316SS	RT7-6-2-NP	1 1/8	5/8	13/16
5/16 / 8mm	1/4	3/32	RT7-6-2 1/2	RT7-6-2 1/2-SS	RT7-6-2 1/2-316SS	RT7-6-2 1/2-NP	1 1/8	5/8	13/16
5/16 / 8mm	1/4	1/8	RT7-6-3	RT7-6-3-SS	RT7-6-3-316SS	RT7-6-3-NP	1 11/32	5/8	13/16
5/16 / 8mm	1/4	5/32 / 4mm	RT7-6-3 1/2	RT7-6-3 1/2-SS	RT7-6-3 1/2-316SS	RT7-6-3 1/2-NP	1 11/32	5/8	13/16
5/16 / 8mm	1/4	.170	RT7-6-4	RT7-6-4-SS	RT7-6-4-316SS	RT7-6-4-NP	1 3/8	5/8	13/16
5/16 / 8mm	1/4	3/16	RT7-6-5	RT7-6-5-SS	RT7-6-5-316SS	RT7-6-5-NP	1 13/32	5/8	13/16
5/16 / 8mm	1/4	7/32	RT7-6-5 1/2	RT7-6-5 1/2-SS	RT7-6-5 1/2-316SS	RT7-6-5 1/2-NP	1 13/32	5/8	13/16
5/16 / 8mm	1/4	6mm	RT7-6-5 3/4	RT7-6-5 3/4-SS	RT7-6-5 3/4-316SS	RT7-6-5 3/4-NP	1 17/32	5/8	13/16
5/16 / 8mm	1/4	1/4	RT7-6-6	RT7-6-6-SS	RT7-6-6-316SS	RT7-6-6-NP	1 17/32	5/8	13/16
5/16 / 8mm	1/4	5/16 / 8mm	RT7-6-7	RT7-6-7-SS	RT7-6-7-316SS	RT7-6-7-NP	1 21/32	5/8	13/16
5/16 / 8mm	5/16	1/16	RT7-7-1	RT7-7-1-SS	RT7-7-1-316SS	RT7-7-1-NP	1 1/8	5/8	15/16
5/16 / 8mm	5/16	5/64 / 2mm	RT7-7-2	RT7-7-2-SS	RT7-7-2-316SS	RT7-7-2-NP	1 1/8	5/8	15/16
5/16 / 8mm	5/16	3/32	RT7-7-2 1/2	RT7-7-2 1/2-SS	RT7-7-2 1/2-316SS	RT7-7-2 1/2-NP	1 1/8	5/8	15/16
5/16 / 8mm	5/16	1/8	RT7-7-3	RT7-7-3-SS	RT7-7-3-316SS	RT7-7-3-NP	1 11/32	5/8	15/16
5/16 / 8mm	5/16	5/32 / 4mm	RT7-7-3 1/2	RT7-7-3 1/2-SS	RT7-7-3 1/2-316SS	RT7-7-3 1/2-NP	1 11/32	5/8	15/16
5/16 / 8mm	5/16	.170	RT7-7-4	RT7-7-4-SS	RT7-7-4-316SS	RT7-7-4-NP	1 3/8	5/8	15/16
5/16 / 8mm	5/16	3/16	RT7-7-5	RT7-7-5-SS	RT7-7-5-316SS	RT7-7-5-NP	1 13/32	5/8	15/16
5/16 / 8mm	5/16	7/32	RT7-7-5 1/2	RT7-7-5 1/2-SS	RT7-7-5 1/2-316SS	RT7-7-5 1/2-NP	1 13/32	5/8	15/16
5/16 / 8mm	5/16	6mm	RT7-7-5 3/4	RT7-7-5 3/4-SS	RT7-7-5 3/4-316SS	RT7-7-5 3/4-NP	1 17/32	5/8	15/16
5/16 / 8mm	5/16	1/4	RT7-7-6	RT7-7-6-SS	RT7-7-6-316SS	RT7-7-6-NP	1 17/32	5/8	15/16
5/16 / 8mm	3/8	1/16	RT7-8-1	RT7-8-1-SS	RT7-8-1-316SS	RT7-8-1-NP	Consult Factory	5/8	27/32
5/16 / 8mm	3/8	5/64 / 2mm	RT7-8-2	RT7-8-2-SS	RT7-8-2-316SS	RT7-8-2-NP		5/8	27/32
5/16 / 8mm	3/8	3/32	RT7-8-2 1/2	RT7-8-2 1/2-SS	RT7-8-2 1/2-316SS	RT7-8-2 1/2-NP		5/8	27/32
5/16 / 8mm	3/8	1/8	RT7-8-3	RT7-8-3-SS	RT7-8-3-316SS	RT7-8-3-NP		5/8	27/32
5/16 / 8mm	3/8	5/32 / 4mm	RT7-8-3 1/2	RT7-8-3 1/2-SS	RT7-8-3 1/2-316SS	RT7-8-3 1/2-NP		5/8	27/32
5/16 / 8mm	3/8	.170	RT7-8-4	RT7-8-4-SS	RT7-8-4-316SS	RT7-8-4-NP		5/8	27/32
5/16 / 8mm	3/8	3/16	RT7-8-5	RT7-8-5-SS	RT7-8-5-316SS	RT7-8-5-NP		5/8	27/32

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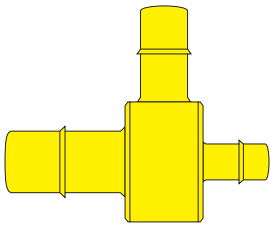
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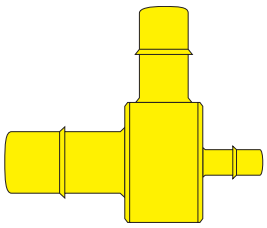
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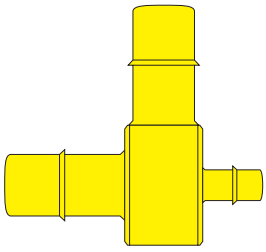
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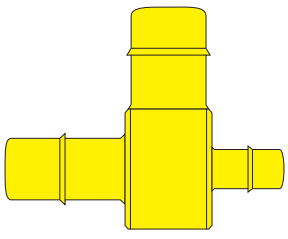

RT7-8-5

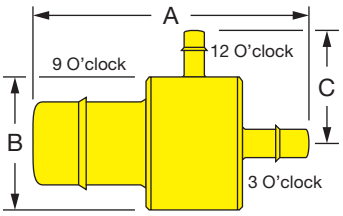
Continued on next page.

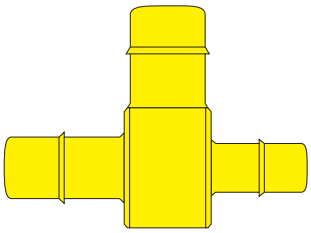
See page 518 for Square Body Tees!

Note: *Images are for visual representation only. Dimensions may vary at time of manufacturing. Consult factory for details!*

A

Reducing Tees (cont.) 35





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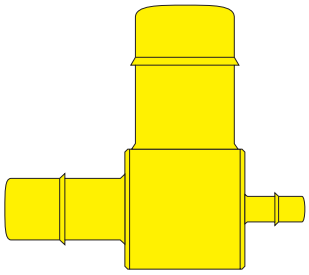

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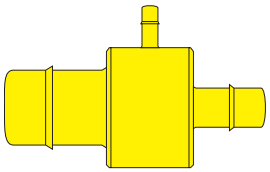

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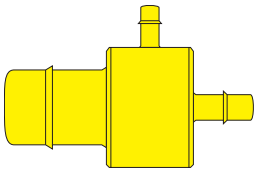

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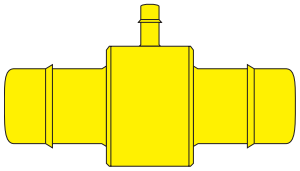

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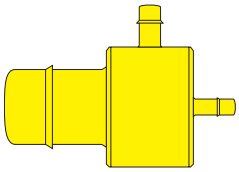


RT8-2½-1

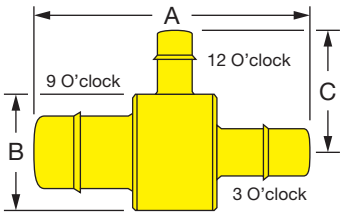
Continued on next page.

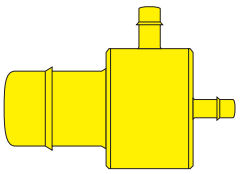
Square Bodies available! See page 518!

Tube ID			Part Numbers				Dimensions (Reference)		
9 O'clock	12 O'clock	3 O'clock	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
5/16 / 8mm	3/8	7/32	RT7-8-5 1/2	RT7-8-5 1/2-SS	RT7-8-5 1/2-316SS	RT7-8-5 1/2-NP	Consult Factory	5/8	27/32
5/16 / 8mm	3/8	6mm	RT7-8-5 3/4	RT7-8-5 3/4-SS	RT7-8-5 3/4-316SS	RT7-8-5 3/4-NP		5/8	27/32
5/16 / 8mm	3/8	1/4	RT7-8-6	RT7-8-6-SS	RT7-8-6-316SS	RT7-8-6-NP		5/8	27/32
5/16 / 8mm	3/8	5/16 / 8mm	RT7-8-7	RT7-8-7-SS	RT7-8-7-316SS	RT7-8-7-NP		5/8	27/32
5/16 / 8mm	1/2	1/16	RT7-10-1	RT7-10-1-SS	RT7-10-1-316SS	RT7-10-1-NP		5/8	
5/16 / 8mm	1/2	5/64 / 2mm	RT7-10-2	RT7-10-2-SS	RT7-10-2-316SS	RT7-10-2-NP		5/8	
5/16 / 8mm	1/2	3/32	RT7-10-2 1/2	RT7-10-2 1/2-SS	RT7-10-2 1/2-316SS	RT7-10-2 1/2-NP		5/8	
5/16 / 8mm	1/2	1/8	RT7-10-3	RT7-10-3-SS	RT7-10-3-316SS	RT7-10-3-NP		5/8	
5/16 / 8mm	1/2	5/32 / 4mm	RT7-10-3 1/2	RT7-10-3 1/2-SS	RT7-10-3 1/2-316SS	RT7-10-3 1/2-NP		5/8	
5/16 / 8mm	1/2	.170	RT7-10-4	RT7-10-4-SS	RT7-10-4-316SS	RT7-10-4-NP		5/8	
5/16 / 8mm	1/2	3/16	RT7-10-5	RT7-10-5-SS	RT7-10-5-316SS	RT7-10-5-NP		5/8	
5/16 / 8mm	1/2	7/32	RT7-10-5 1/2	RT7-10-5 1/2-SS	RT7-10-5 1/2-316SS	RT7-10-5 1/2-NP		5/8	
5/16 / 8mm	1/2	6mm	RT7-10-5 3/4	RT7-10-5 3/4-SS	RT7-10-5 3/4-316SS	RT7-10-5 3/4-NP		5/8	
5/16 / 8mm	1/2	1/4	RT7-10-6	RT7-10-6-SS	RT7-10-6-316SS	RT7-10-6-NP		5/8	
5/16 / 8mm	1/2	5/16 / 8mm	RT7-10-7	RT7-10-7-SS	RT7-10-7-316SS	RT7-10-7-NP		3/4	
3/8	1/16	1/16	RT8-1-1	RT8-1-1-SS	RT8-1-1-316SS	RT8-1-1-NP		5/8	
3/8	1/16	5/64 / 2mm	RT8-1-2	RT8-1-2-SS	RT8-1-2-316SS	RT8-1-2-NP		5/8	
3/8	1/16	3/32	RT8-1-2 1/2	RT8-1-2 1/2-SS	RT8-1-2 1/2-316SS	RT8-1-2 1/2-NP		5/8	
3/8	1/16	1/8	RT8-1-3	RT8-1-3-SS	RT8-1-3-316SS	RT8-1-3-NP		5/8	
3/8	1/16	5/32 / 4mm	RT8-1-3 1/2	RT8-1-3 1/2-SS	RT8-1-3 1/2-316SS	RT8-1-3 1/2-NP		5/8	
3/8	1/16	.170	RT8-1-4	RT8-1-4-SS	RT8-1-4-316SS	RT8-1-4-NP		5/8	
3/8	1/16	3/16	RT8-1-5	RT8-1-5-SS	RT8-1-5-316SS	RT8-1-5-NP		5/8	
3/8	1/16	7/32	RT8-1-5 1/2	RT8-1-5 1/2-SS	RT8-1-5 1/2-316SS	RT8-1-5 1/2-NP		5/8	
3/8	1/16	6mm	RT8-1-5 3/4	RT8-1-5 3/4-SS	RT8-1-5 3/4-316SS	RT8-1-5 3/4-NP		5/8	
3/8	1/16	1/4	RT8-1-6	RT8-1-6-SS	RT8-1-6-316SS	RT8-1-6-NP		5/8	
3/8	1/16	5/16 / 8mm	RT8-1-7	RT8-1-7-SS	RT8-1-7-316SS	RT8-1-7-NP		5/8	
3/8	1/16	3/8	RT8-1-8	RT8-1-8-SS	RT8-1-8-316SS	RT8-1-8-NP		5/8	
3/8	5/64 / 2mm	1/16	RT8-2-1	RT8-2-1-SS	RT8-2-1-316SS	RT8-2-1-NP		5/8	
3/8	5/64 / 2mm	5/64 / 2mm	RT8-2-2	RT8-2-2-SS	RT8-2-2-316SS	RT8-2-2-NP		5/8	
3/8	5/64 / 2mm	3/32	RT8-2-2 1/2	RT8-2-2 1/2-SS	RT8-2-2 1/2-316SS	RT8-2-2 1/2-NP		5/8	
3/8	5/64 / 2mm	1/8	RT8-2-3	RT8-2-3-SS	RT8-2-3-316SS	RT8-2-3-NP		5/8	
3/8	5/64 / 2mm	5/32 / 4mm	RT8-2-3 1/2	RT8-2-3 1/2-SS	RT8-2-3 1/2-316SS	RT8-2-3 1/2-NP		5/8	
3/8	5/64 / 2mm	.170	RT8-2-4	RT8-2-4-SS	RT8-2-4-316SS	RT8-2-4-NP		5/8	
3/8	5/64 / 2mm	3/16	RT8-2-5	RT8-2-5-SS	RT8-2-5-316SS	RT8-2-5-NP		5/8	
3/8	5/64 / 2mm	7/32	RT8-2-5 1/2	RT8-2-5 1/2-SS	RT8-2-5 1/2-316SS	RT8-2-5 1/2-NP		5/8	
3/8	5/64 / 2mm	6mm	RT8-2-5 3/4	RT8-2-5 3/4-SS	RT8-2-5 3/4-316SS	RT8-2-5 3/4-NP		5/8	
3/8	5/64 / 2mm	1/4	RT8-2-6	RT8-2-6-SS	RT8-2-6-316SS	RT8-2-6-NP		5/8	
3/8	5/64 / 2mm	5/16 / 8mm	RT8-2-7	RT8-2-7-SS	RT8-2-7-316SS	RT8-2-7-NP		5/8	
3/8	5/64 / 2mm	3/8	RT8-2-8	RT8-2-8-SS	RT8-2-8-316SS	RT8-2-8-NP		5/8	
3/8	3/32	1/16	RT8-2 1/2-1	RT8-2 1/2-1-SS	RT8-2 1/2-1-316SS	RT8-2 1/2-1-NP		5/8	

36 Reducing Tees (cont.) A

Tube ID			Part Numbers				Dimensions (Reference)		
9 O'clock	12 O'clock	3 O'clock	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
3/8	3/32	5/64 / 2mm	RT8-2 1/2-2	RT8-2 1/2-2-SS	RT8-2 1/2-2-316SS	RT8-2 1/2-2-NP	Consult Factory	5/8	Consult Factory
3/8	3/32	3/32	RT8-2 1/2-2 1/2	RT8-2 1/2-2 1/2-SS	RT8-2 1/2-2 1/2-316SS	RT8-2 1/2-2 1/2-NP		5/8	
3/8	3/32	1/8	RT8-2 1/2-3	RT8-2 1/2-3-SS	RT8-2 1/2-3-316SS	RT8-2 1/2-3-NP		5/8	
3/8	3/32	5/32 / 4mm	RT8-2 1/2-3 1/2	RT8-2 1/2-3 1/2-SS	RT8-2 1/2-3 1/2-316SS	RT8-2 1/2-3 1/2-NP		5/8	
3/8	3/32	.170	RT8-2 1/2-4	RT8-2 1/2-4-SS	RT8-2 1/2-4-316SS	RT8-2 1/2-4-NP		5/8	
3/8	3/32	3/16	RT8-2 1/2-5	RT8-2 1/2-5-SS	RT8-2 1/2-5-316SS	RT8-2 1/2-5-NP		5/8	
3/8	3/32	7/32	RT8-2 1/2-5 1/2	RT8-2 1/2-5 1/2-SS	RT8-2 1/2-5 1/2-316SS	RT8-2 1/2-5 1/2-NP		5/8	
3/8	3/32	6mm	RT8-2 1/2-5 3/4	RT8-2 1/2-5 3/4-SS	RT8-2 1/2-5 3/4-316SS	RT8-2 1/2-5 3/4-NP		5/8	
3/8	3/32	1/4	RT8-2 1/2-6	RT8-2 1/2-6-SS	RT8-2 1/2-6-316SS	RT8-2 1/2-6-NP		5/8	
3/8	3/32	5/16 / 8mm	RT8-2 1/2-7	RT8-2 1/2-7-SS	RT8-2 1/2-7-316SS	RT8-2 1/2-7-NP		5/8	
3/8	3/32	3/8	RT8-2 1/2-8	RT8-2 1/2-8-SS	RT8-2 1/2-8-316SS	RT8-2 1/2-8-NP		5/8	
3/8	1/8	1/16	RT8-3-1	RT8-3-1-SS	RT8-3-1-316SS	RT8-3-1-NP		5/8	
3/8	1/8	5/64 / 2mm	RT8-3-2	RT8-3-2-SS	RT8-3-2-316SS	RT8-3-2-NP		5/8	
3/8	1/8	3/32	RT8-3-2 1/2	RT8-3-2 1/2-SS	RT8-3-2 1/2-316SS	RT8-3-2 1/2-NP		5/8	
3/8	1/8	1/8	RT8-3-3	RT8-3-3-SS	RT8-3-3-316SS	RT8-3-3-NP		5/8	
3/8	1/8	5/32 / 4mm	RT8-3-3 1/2	RT8-3-3 1/2-SS	RT8-3-3 1/2-316SS	RT8-3-3 1/2-NP		5/8	
3/8	1/8	.170	RT8-3-4	RT8-3-4-SS	RT8-3-4-316SS	RT8-3-4-NP		5/8	
3/8	1/8	3/16	RT8-3-5	RT8-3-5-SS	RT8-3-5-316SS	RT8-3-5-NP		5/8	
3/8	1/8	7/32	RT8-3-5 1/2	RT8-3-5 1/2-SS	RT8-3-5 1/2-316SS	RT8-3-5 1/2-NP		5/8	
3/8	1/8	6mm	RT8-3-5 3/4	RT8-3-5 3/4-SS	RT8-3-5 3/4-316SS	RT8-3-5 3/4-NP		5/8	
3/8	1/8	1/4	RT8-3-6	RT8-3-6-SS	RT8-3-6-316SS	RT8-3-6-NP		5/8	
3/8	1/8	5/16 / 8mm	RT8-3-7	RT8-3-7-SS	RT8-3-7-316SS	RT8-3-7-NP		5/8	
3/8	1/8	3/8	RT8-3-8	RT8-3-8-SS	RT8-3-8-316SS	RT8-3-8-NP		5/8	
3/8	5/32 / 4mm	1/16	RT8-3 1/2-1	RT8-3 1/2-1-SS	RT8-3 1/2-1-316SS	RT8-3 1/2-1-NP		5/8	
3/8	5/32 / 4mm	5/64 / 2mm	RT8-3 1/2-2	RT8-3 1/2-2-SS	RT8-3 1/2-2-316SS	RT8-3 1/2-2-NP		5/8	
3/8	5/32 / 4mm	3/32	RT8-3 1/2-2 1/2	RT8-3 1/2-2 1/2-SS	RT8-3 1/2-2 1/2-316SS	RT8-3 1/2-2 1/2-NP		5/8	
3/8	5/32 / 4mm	1/8	RT8-3 1/2-3	RT8-3 1/2-3-SS	RT8-3 1/2-3-316SS	RT8-3 1/2-3-NP		5/8	
3/8	5/32 / 4mm	5/32 / 4mm	RT8-3 1/2-3 1/2	RT8-3 1/2-3 1/2-SS	RT8-3 1/2-3 1/2-316SS	RT8-3 1/2-3 1/2-NP		5/8	
3/8	5/32 / 4mm	.170	RT8-3 1/2-4	RT8-3 1/2-4-SS	RT8-3 1/2-4-316SS	RT8-3 1/2-4-NP		5/8	
3/8	5/32 / 4mm	3/16	RT8-3 1/2-5	RT8-3 1/2-5-SS	RT8-3 1/2-5-316SS	RT8-3 1/2-5-NP		5/8	
3/8	5/32 / 4mm	7/32	RT8-3 1/2-5 1/2	RT8-3 1/2-5 1/2-SS	RT8-3 1/2-5 1/2-316SS	RT8-3 1/2-5 1/2-NP		5/8	
3/8	5/32 / 4mm	6mm	RT8-3 1/2-5 3/4	RT8-3 1/2-5 3/4-SS	RT8-3 1/2-5 3/4-316SS	RT8-3 1/2-5 3/4-NP		5/8	
3/8	5/32 / 4mm	1/4	RT8-3 1/2-6	RT8-3 1/2-6-SS	RT8-3 1/2-6-316SS	RT8-3 1/2-6-NP		5/8	
3/8	5/32 / 4mm	5/16 / 8mm	RT8-3 1/2-7	RT8-3 1/2-7-SS	RT8-3 1/2-7-316SS	RT8-3 1/2-7-NP		5/8	
3/8	5/32 / 4mm	3/8	RT8-3 1/2-8	RT8-3 1/2-8-SS	RT8-3 1/2-8-316SS	RT8-3 1/2-8-NP		5/8	
3/8	.170	1/16	RT8-4-1	RT8-4-1-SS	RT8-4-1-316SS	RT8-4-1-NP		5/8	
3/8	.170	5/64 / 2mm	RT8-4-2	RT8-4-2-SS	RT8-4-2-316SS	RT8-4-2-NP		5/8	
3/8	.170	3/32	RT8-4-2 1/2	RT8-4-2 1/2-SS	RT8-4-2 1/2-316SS	RT8-4-2 1/2-NP		5/8	
3/8	.170	1/8	RT8-4-3	RT8-4-3-SS	RT8-4-3-316SS	RT8-4-3-NP		5/8	
3/8	.170	5/32 / 4mm	RT8-4-3 1/2	RT8-4-3 1/2-SS	RT8-4-3 1/2-316SS	RT8-4-3 1/2-NP		5/8	

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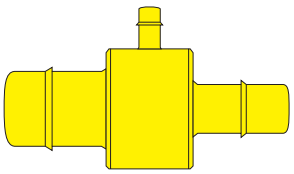
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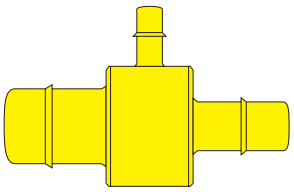
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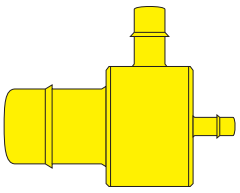
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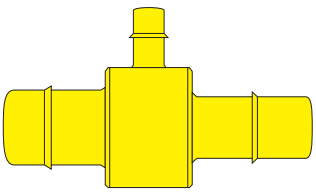
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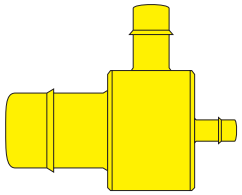
RT8-4-2 1/2

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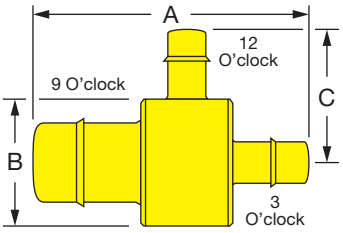
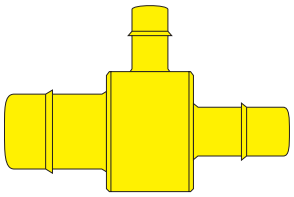
12 o'clock branch can be placed at other angles! Consult factory for details!

A

Reducing Tees (cont.) 37

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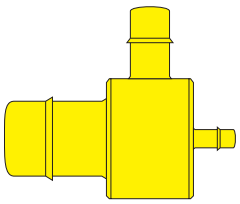
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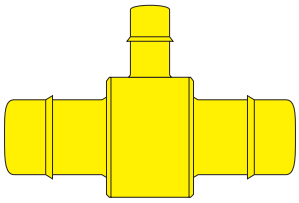
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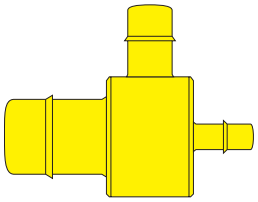
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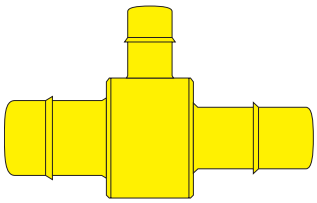
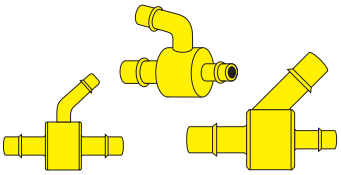

RT8-5-7

Continued on next page.

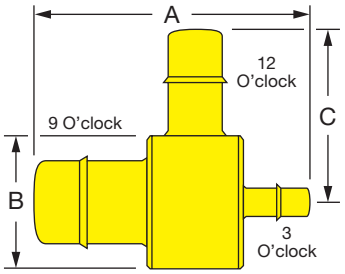
Other options available! Consult factory for details!

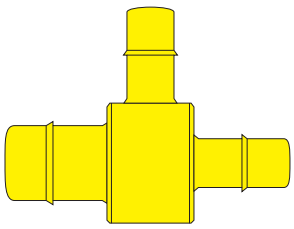


Tube ID			Part Numbers				Dimensions (Reference)		
9 O'clock	12 O'clock	3 O'clock	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
3/8	.170	.170	RT8-4-4	RT8-4-4-SS	RT8-4-4-316SS	RT8-4-4-NP	Consult Factory	5/8	Consult Factory
3/8	.170	3/16	RT8-4-5	RT8-4-5-SS	RT8-4-5-316SS	RT8-4-5-NP	Consult Factory	5/8	Consult Factory
3/8	.170	7/32	RT8-4-5 1/2	RT8-4-5 1/2-SS	RT8-4-5 1/2-316SS	RT8-4-5 1/2-NP	Consult Factory	5/8	Consult Factory
3/8	.170	6mm	RT8-4-5 3/4	RT8-4-5 3/4-SS	RT8-4-5 3/4-316SS	RT8-4-5 3/4-NP	Consult Factory	5/8	Consult Factory
3/8	.170	1/4	RT8-4-6	RT8-4-6-SS	RT8-4-6-316SS	RT8-4-6-NP	Consult Factory	5/8	Consult Factory
3/8	.170	5/16 / 8mm	RT8-4-7	RT8-4-7-SS	RT8-4-7-316SS	RT8-4-7-NP	Consult Factory	5/8	Consult Factory
3/8	.170	3/8	RT8-4-8	RT8-4-8-SS	RT8-4-8-316SS	RT8-4-8-NP	Consult Factory	5/8	Consult Factory
3/8	3/16	1/16	RT8-5-1	RT8-5-1-SS	RT8-5-1-316SS	RT8-5-1-NP	Consult Factory	5/8	Consult Factory
3/8	3/16	5/64 / 2mm	RT8-5-2	RT8-5-2-SS	RT8-5-2-316SS	RT8-5-2-NP	Consult Factory	5/8	Consult Factory
3/8	3/16	3/32	RT8-5-2 1/2	RT8-5-2 1/2-SS	RT8-5-2 1/2-316SS	RT8-5-2 1/2-NP	Consult Factory	5/8	Consult Factory
3/8	3/16	1/8	RT8-5-3	RT8-5-3-SS	RT8-5-3-316SS	RT8-5-3-NP	Consult Factory	5/8	Consult Factory
3/8	3/16	5/32 / 4mm	RT8-5-3 1/2	RT8-5-3 1/2-SS	RT8-5-3 1/2-316SS	RT8-5-3 1/2-NP	Consult Factory	5/8	Consult Factory
3/8	3/16	.170	RT8-5-4	RT8-5-4-SS	RT8-5-4-316SS	RT8-5-4-NP	Consult Factory	5/8	Consult Factory
3/8	3/16	3/16	RT8-5-5	RT8-5-5-SS	RT8-5-5-316SS	RT8-5-5-NP	Consult Factory	5/8	Consult Factory
3/8	3/16	7/32	RT8-5-5 1/2	RT8-5-5 1/2-SS	RT8-5-5 1/2-316SS	RT8-5-5 1/2-NP	Consult Factory	5/8	Consult Factory
3/8	3/16	6mm	RT8-5-5 3/4	RT8-5-5 3/4-SS	RT8-5-5 3/4-316SS	RT8-5-5 3/4-NP	Consult Factory	5/8	Consult Factory
3/8	3/16	1/4	RT8-5-6	RT8-5-6-SS	RT8-5-6-316SS	RT8-5-6-NP	Consult Factory	5/8	Consult Factory
3/8	3/16	5/16 / 8mm	RT8-5-7	RT8-5-7-SS	RT8-5-7-316SS	RT8-5-7-NP	Consult Factory	5/8	Consult Factory
3/8	3/16	3/8	RT8-5-8	RT8-5-8-SS	RT8-5-8-316SS	RT8-5-8-NP	Consult Factory	5/8	Consult Factory
3/8	7/32	1/16	RT8-5 1/2-1	RT8-5 1/2-1-SS	RT8-5 1/2-1-316SS	RT8-5 1/2-1-NP	Consult Factory	5/8	Consult Factory
3/8	7/32	5/64 / 2mm	RT8-5 1/2-2	RT8-5 1/2-2-SS	RT8-5 1/2-2-316SS	RT8-5 1/2-2-NP	Consult Factory	5/8	Consult Factory
3/8	7/32	3/32	RT8-5 1/2-2 1/2	RT8-5 1/2-2 1/2-SS	RT8-5 1/2-2 1/2-316SS	RT8-5 1/2-2 1/2-NP	Consult Factory	5/8	Consult Factory
3/8	7/32	1/8	RT8-5 1/2-3	RT8-5 1/2-3-SS	RT8-5 1/2-3-316SS	RT8-5 1/2-3-NP	Consult Factory	5/8	Consult Factory
3/8	7/32	5/32 / 4mm	RT8-5 1/2-3 1/2	RT8-5 1/2-3 1/2-SS	RT8-5 1/2-3 1/2-316SS	RT8-5 1/2-3 1/2-NP	Consult Factory	5/8	Consult Factory
3/8	7/32	.170	RT8-5 1/2-4	RT8-5 1/2-4-SS	RT8-5 1/2-4-316SS	RT8-5 1/2-4-NP	Consult Factory	5/8	Consult Factory
3/8	7/32	3/16	RT8-5 1/2-5	RT8-5 1/2-5-SS	RT8-5 1/2-5-316SS	RT8-5 1/2-5-NP	Consult Factory	5/8	Consult Factory
3/8	7/32	7/32	RT8-5 1/2-5 1/2	RT8-5 1/2-5 1/2-SS	RT8-5 1/2-5 1/2-316SS	RT8-5 1/2-5 1/2-NP	Consult Factory	5/8	Consult Factory
3/8	7/32	6mm	RT8-5 1/2-5 3/4	RT8-5 1/2-5 3/4-SS	RT8-5 1/2-5 3/4-316SS	RT8-5 1/2-5 3/4-NP	Consult Factory	5/8	Consult Factory
3/8	7/32	1/4	RT8-5 1/2-6	RT8-5 1/2-6-SS	RT8-5 1/2-6-316SS	RT8-5 1/2-6-NP	Consult Factory	5/8	Consult Factory
3/8	7/32	5/16 / 8mm	RT8-5 1/2-7	RT8-5 1/2-7-SS	RT8-5 1/2-7-316SS	RT8-5 1/2-7-NP	Consult Factory	5/8	Consult Factory
3/8	7/32	3/8	RT8-5 1/2-8	RT8-5 1/2-8-SS	RT8-5 1/2-8-316SS	RT8-5 1/2-8-NP	Consult Factory	5/8	Consult Factory
3/8	6mm	1/16	RT8-5 3/4-1	RT8-5 3/4-1-SS	RT8-5 3/4-1-316SS	RT8-5 3/4-1-NP	Consult Factory	5/8	Consult Factory
3/8	6mm	5/64 / 2mm	RT8-5 3/4-2	RT8-5 3/4-2-SS	RT8-5 3/4-2-316SS	RT8-5 3/4-2-NP	Consult Factory	5/8	Consult Factory
3/8	6mm	3/32	RT8-5 3/4-2 1/2	RT8-5 3/4-2 1/2-SS	RT8-5 3/4-2 1/2-316SS	RT8-5 3/4-2 1/2-NP	Consult Factory	5/8	Consult Factory
3/8	6mm	1/8	RT8-5 3/4-3	RT8-5 3/4-3-SS	RT8-5 3/4-3-316SS	RT8-5 3/4-3-NP	Consult Factory	5/8	Consult Factory
3/8	6mm	5/32 / 4mm	RT8-5 3/4-3 1/2	RT8-5 3/4-3 1/2-SS	RT8-5 3/4-3 1/2-316SS	RT8-5 3/4-3 1/2-NP	Consult Factory	5/8	Consult Factory
3/8	6mm	.170	RT8-5 3/4-4	RT8-5 3/4-4-SS	RT8-5 3/4-4-316SS	RT8-5 3/4-4-NP	Consult Factory	5/8	Consult Factory
3/8	6mm	3/16	RT8-5 3/4-5	RT8-5 3/4-5-SS	RT8-5 3/4-5-316SS	RT8-5 3/4-5-NP	Consult Factory	5/8	Consult Factory
3/8	6mm	7/32	RT8-5 3/4-5 1/2	RT8-5 3/4-5 1/2-SS	RT8-5 3/4-5 1/2-316SS	RT8-5 3/4-5 1/2-NP	Consult Factory	5/8	Consult Factory
3/8	6mm	6mm	RT8-5 3/4-5 3/4	RT8-5 3/4-5 3/4-SS	RT8-5 3/4-5 3/4-316SS	RT8-5 3/4-5 3/4-NP	Consult Factory	5/8	Consult Factory

38 Reducing Tees (cont.) A

Tube ID			Part Numbers				Dimensions (Reference)		
9 O'clock	12 O'clock	3 O'clock	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
3/8	6mm	1/4	RT8-5 3/4-6	RT8-5 3/4-6-SS	RT8-5 3/4-6-316SS	RT8-5 3/4-6-NP	Consult Factory	5/8	Consult Factory
3/8	6mm	5/16 / 8mm	RT8-5 3/4-7	RT8-5 3/4-7-SS	RT8-5 3/4-7-316SS	RT8-5 3/4-7-NP	Consult Factory	5/8	Consult Factory
3/8	6mm	3/8	RT8-5 3/4-8	RT8-5 3/4-8-SS	RT8-5 3/4-8-316SS	RT8-5 3/4-8-NP	Consult Factory	5/8	Consult Factory
3/8	1/4	1/16	RT8-6-1	RT8-6-1-SS	RT8-6-1-316SS	RT8-6-1-NP	Consult Factory	5/8	Consult Factory
3/8	1/4	5/64 / 2mm	RT8-6-2	RT8-6-2-SS	RT8-6-2-316SS	RT8-6-2-NP	Consult Factory	5/8	Consult Factory
3/8	1/4	3/32	RT8-6-2 1/2	RT8-6-2 1/2-SS	RT8-6-2 1/2-316SS	RT8-6-2 1/2-NP	Consult Factory	5/8	Consult Factory
3/8	1/4	1/8	RT8-6-3	RT8-6-3-SS	RT8-6-3-316SS	RT8-6-3-NP	Consult Factory	5/8	Consult Factory
3/8	1/4	5/32 / 4mm	RT8-6-3 1/2	RT8-6-3 1/2-SS	RT8-6-3 1/2-316SS	RT8-6-3 1/2-NP	Consult Factory	5/8	Consult Factory
3/8	1/4	.170	RT8-6-4	RT8-6-4-SS	RT8-6-4-316SS	RT8-6-4-NP	Consult Factory	5/8	Consult Factory
3/8	1/4	3/16	RT8-6-5	RT8-6-5-SS	RT8-6-5-316SS	RT8-6-5-NP	Consult Factory	5/8	Consult Factory
3/8	1/4	7/32	RT8-6-5 1/2	RT8-6-5 1/2-SS	RT8-6-5 1/2-316SS	RT8-6-5 1/2-NP	Consult Factory	5/8	Consult Factory
3/8	1/4	6mm	RT8-6-5 3/4	RT8-6-5 3/4-SS	RT8-6-5 3/4-316SS	RT8-6-5 3/4-NP	Consult Factory	5/8	Consult Factory
3/8	1/4	1/4	RT8-6-6	RT8-6-6-SS	RT8-6-6-316SS	RT8-6-6-NP	Consult Factory	5/8	Consult Factory
3/8	1/4	5/16 / 8mm	RT8-6-7	RT8-6-7-SS	RT8-6-7-316SS	RT8-6-7-NP	Consult Factory	5/8	Consult Factory
3/8	1/4	3/8	RT8-6-8	RT8-6-8-SS	RT8-6-8-316SS	RT8-6-8-NP	Consult Factory	5/8	Consult Factory
3/8	5/16 / 8mm	1/16	RT8-7-1	RT8-7-1-SS	RT8-7-1-316SS	RT8-7-1-NP	Consult Factory	5/8	Consult Factory
3/8	5/16 / 8mm	5/64 / 2mm	RT8-7-2	RT8-7-2-SS	RT8-7-2-316SS	RT8-7-2-NP	Consult Factory	5/8	Consult Factory
3/8	5/16 / 8mm	3/32	RT8-7-2 1/2	RT8-7-2 1/2-SS	RT8-7-2 1/2-316SS	RT8-7-2 1/2-NP	Consult Factory	5/8	Consult Factory
3/8	5/16 / 8mm	1/8	RT8-7-3	RT8-7-3-SS	RT8-7-3-316SS	RT8-7-3-NP	Consult Factory	5/8	Consult Factory
3/8	5/16 / 8mm	5/32 / 4mm	RT8-7-3 1/2	RT8-7-3 1/2-SS	RT8-7-3 1/2-316SS	RT8-7-3 1/2-NP	Consult Factory	5/8	Consult Factory
3/8	5/16 / 8mm	.170	RT8-7-4	RT8-7-4-SS	RT8-7-4-316SS	RT8-7-4-NP	Consult Factory	5/8	Consult Factory
3/8	5/16 / 8mm	3/16	RT8-7-5	RT8-7-5-SS	RT8-7-5-316SS	RT8-7-5-NP	Consult Factory	5/8	Consult Factory
3/8	5/16 / 8mm	7/32	RT8-7-5 1/2	RT8-7-5 1/2-SS	RT8-7-5 1/2-316SS	RT8-7-5 1/2-NP	Consult Factory	5/8	Consult Factory
3/8	5/16 / 8mm	6mm	RT8-7-5 3/4	RT8-7-5 3/4-SS	RT8-7-5 3/4-316SS	RT8-7-5 3/4-NP	Consult Factory	5/8	Consult Factory
3/8	5/16 / 8mm	1/4	RT8-7-6	RT8-7-6-SS	RT8-7-6-316SS	RT8-7-6-NP	Consult Factory	5/8	Consult Factory
3/8	5/16 / 8mm	5/16 / 8mm	RT8-7-7	RT8-7-7-SS	RT8-7-7-316SS	RT8-7-7-NP	Consult Factory	5/8	Consult Factory
3/8	5/16 / 8mm	3/8	RT8-7-8	RT8-7-8-SS	RT8-7-8-316SS	RT8-7-8-NP	Consult Factory	5/8	Consult Factory
3/8	3/8	1/16	RT8-8-1	RT8-8-1-SS	RT8-8-1-316SS	RT8-8-1-NP	Consult Factory	5/8	Consult Factory
3/8	3/8	5/64 / 2mm	RT8-8-2	RT8-8-2-SS	RT8-8-2-316SS	RT8-8-2-NP	Consult Factory	5/8	Consult Factory
3/8	3/8	3/32	RT8-8-2 1/2	RT8-8-2 1/2-SS	RT8-8-2 1/2-316SS	RT8-8-2 1/2-NP	Consult Factory	5/8	Consult Factory
3/8	3/8	1/8	RT8-8-3	RT8-8-3-SS	RT8-8-3-316SS	RT8-8-3-NP	Consult Factory	5/8	Consult Factory
3/8	3/8	5/32 / 4mm	RT8-8-3 1/2	RT8-8-3 1/2-SS	RT8-8-3 1/2-316SS	RT8-8-3 1/2-NP	Consult Factory	5/8	Consult Factory
3/8	3/8	.170	RT8-8-4	RT8-8-4-SS	RT8-8-4-316SS	RT8-8-4-NP	Consult Factory	5/8	Consult Factory
3/8	3/8	3/16	RT8-8-5	RT8-8-5-SS	RT8-8-5-316SS	RT8-8-5-NP	Consult Factory	5/8	Consult Factory
3/8	3/8	7/32	RT8-8-5 1/2	RT8-8-5 1/2-SS	RT8-8-5 1/2-316SS	RT8-8-5 1/2-NP	Consult Factory	5/8	Consult Factory
3/8	3/8	6mm	RT8-8-5 3/4	RT8-8-5 3/4-SS	RT8-8-5 3/4-316SS	RT8-8-5 3/4-NP	Consult Factory	5/8	Consult Factory
3/8	3/8	1/4	RT8-8-6	RT8-8-6-SS	RT8-8-6-316SS	RT8-8-6-NP	Consult Factory	5/8	Consult Factory
3/8	3/8	5/16 / 8mm	RT8-8-7	RT8-8-7-SS	RT8-8-7-316SS	RT8-8-7-NP	Consult Factory	5/8	Consult Factory
3/8	1/2	1/16	RT8-10-1	RT8-10-1-SS	RT8-10-1-316SS	RT8-10-1-NP	Consult Factory	5/8	Consult Factory
3/8	1/2	5/64 / 2mm	RT8-10-2	RT8-10-2-SS	RT8-10-2-316SS	RT8-10-2-NP	Consult Factory	5/8	Consult Factory

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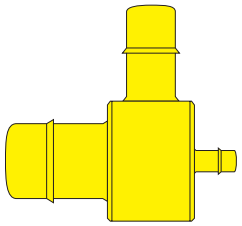
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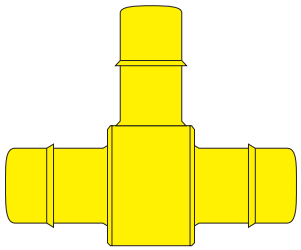
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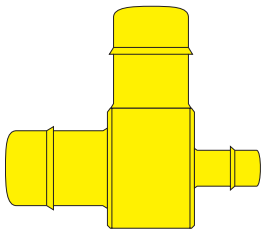
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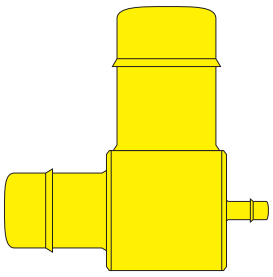
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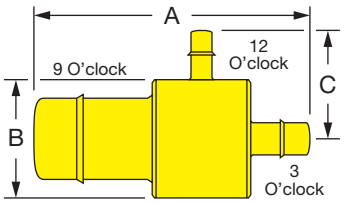
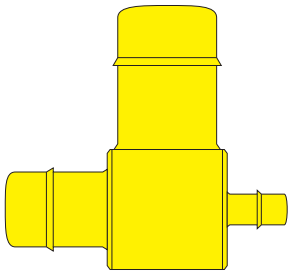
Reducing Tees (cont.) 39

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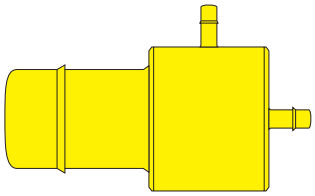
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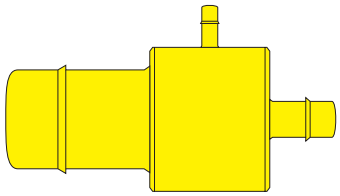
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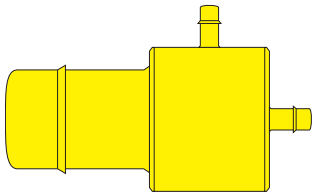
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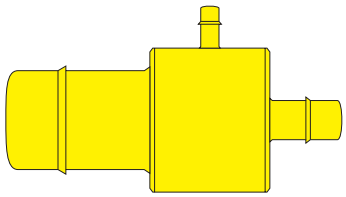
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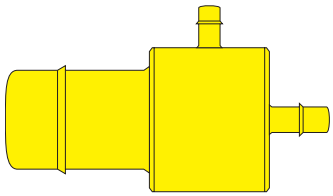
RT10-2½-3

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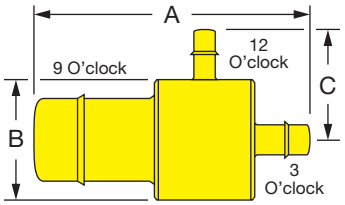
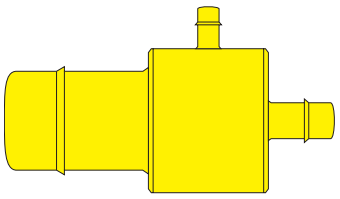
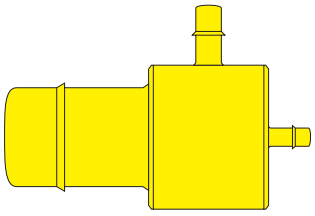
Tube ID			Part Numbers				Dimensions (Reference)		
9 O'clock	12 O'clock	3 O'clock	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
3/8	1/2	3/32	RT8-10-2½	RT8-10-2½-SS	RT8-10-2½-316SS	RT8-10-2½-NP	Consult Factory	5/8	Consult Factory
3/8	1/2	1/8	RT8-10-3	RT8-10-3-SS	RT8-10-3-316SS	RT8-10-3-NP	Consult Factory	5/8	Consult Factory
3/8	1/2	5/32 / 4mm	RT8-10-3½	RT8-10-3½-SS	RT8-10-3½-316SS	RT8-10-3½-NP	Consult Factory	5/8	Consult Factory
3/8	1/2	.170	RT8-10-4	RT8-10-4-SS	RT8-10-4-316SS	RT8-10-4-NP	Consult Factory	5/8	Consult Factory
3/8	1/2	3/16	RT8-10-5	RT8-10-5-SS	RT8-10-5-316SS	RT8-10-5-NP	Consult Factory	5/8	Consult Factory
3/8	1/2	7/32	RT8-10-5½	RT8-10-5½-SS	RT8-10-5½-316SS	RT8-10-5½-NP	Consult Factory	5/8	Consult Factory
3/8	1/2	6mm	RT8-10-5¾	RT8-10-5¾-SS	RT8-10-5¾-316SS	RT8-10-5¾-NP	Consult Factory	5/8	Consult Factory
3/8	1/2	1/4	RT8-10-6	RT8-10-6-SS	RT8-10-6-316SS	RT8-10-6-NP	Consult Factory	5/8	Consult Factory
3/8	1/2	5/16 / 8mm	RT8-10-7	RT8-10-7-SS	RT8-10-7-316SS	RT8-10-7-NP	Consult Factory	5/8	Consult Factory
3/8	1/2	3/8	RT8-10-8	RT8-10-8-SS	RT8-10-8-316SS	RT8-10-8-NP	Consult Factory	5/8	Consult Factory
1/2	1/16	1/16	RT10-1-1	RT10-1-1-SS	RT10-1-1-316SS	RT10-1-1-NP	Consult Factory	3/4	Consult Factory
1/2	1/16	5/64 / 2mm	RT10-1-2	RT10-1-2-SS	RT10-1-2-316SS	RT10-1-2-NP	Consult Factory	3/4	Consult Factory
1/2	1/16	3/32	RT10-1-2½	RT10-1-2½-SS	RT10-1-2½-316SS	RT10-1-2½-NP	Consult Factory	3/4	Consult Factory
1/2	1/16	1/8	RT10-1-3	RT10-1-3-SS	RT10-1-3-316SS	RT10-1-3-NP	Consult Factory	3/4	Consult Factory
1/2	1/16	5/32 / 4mm	RT10-1-3½	RT10-1-3½-SS	RT10-1-3½-316SS	RT10-1-3½-NP	Consult Factory	3/4	Consult Factory
1/2	1/16	.170	RT10-1-4	RT10-1-4-SS	RT10-1-4-316SS	RT10-1-4-NP	Consult Factory	3/4	Consult Factory
1/2	1/16	3/16	RT10-1-5	RT10-1-5-SS	RT10-1-5-316SS	RT10-1-5-NP	Consult Factory	3/4	Consult Factory
1/2	1/16	7/32	RT10-1-5½	RT10-1-5½-SS	RT10-1-5½-316SS	RT10-1-5½-NP	Consult Factory	3/4	Consult Factory
1/2	1/16	6mm	RT10-1-5¾	RT10-1-5¾-SS	RT10-1-5¾-316SS	RT10-1-5¾-NP	Consult Factory	3/4	Consult Factory
1/2	1/16	1/4	RT10-1-6	RT10-1-6-SS	RT10-1-6-316SS	RT10-1-6-NP	Consult Factory	3/4	Consult Factory
1/2	1/16	5/16 / 8mm	RT10-1-7	RT10-1-7-SS	RT10-1-7-316SS	RT10-1-7-NP	Consult Factory	3/4	Consult Factory
1/2	1/16	3/8	RT10-1-8	RT10-1-8-SS	RT10-1-8-316SS	RT10-1-8-NP	Consult Factory	3/4	Consult Factory
1/2	1/16	1/2	RT10-1-10	RT10-1-10-SS	RT10-1-10-316SS	RT10-1-10-NP	Consult Factory	3/4	Consult Factory
1/2	5/64 / 2mm	1/16	RT10-2-1	RT10-2-1-SS	RT10-2-1-316SS	RT10-2-1-NP	Consult Factory	3/4	Consult Factory
1/2	5/64 / 2mm	5/64 / 2mm	RT10-2-2	RT10-2-2-SS	RT10-2-2-316SS	RT10-2-2-NP	Consult Factory	3/4	Consult Factory
1/2	5/64 / 2mm	3/32	RT10-2-2½	RT10-2-2½-SS	RT10-2-2½-316SS	RT10-2-2½-NP	Consult Factory	3/4	Consult Factory
1/2	5/64 / 2mm	1/8	RT10-2-3	RT10-2-3-SS	RT10-2-3-316SS	RT10-2-3-NP	Consult Factory	3/4	Consult Factory
1/2	5/64 / 2mm	5/32 / 4mm	RT10-2-3½	RT10-2-3½-SS	RT10-2-3½-316SS	RT10-2-3½-NP	Consult Factory	3/4	Consult Factory
1/2	5/64 / 2mm	.170	RT10-2-4	RT10-2-4-SS	RT10-2-4-316SS	RT10-2-4-NP	Consult Factory	3/4	Consult Factory
1/2	5/64 / 2mm	3/16	RT10-2-5	RT10-2-5-SS	RT10-2-5-316SS	RT10-2-5-NP	Consult Factory	3/4	Consult Factory
1/2	5/64 / 2mm	7/32	RT10-2-5½	RT10-2-5½-SS	RT10-2-5½-316SS	RT10-2-5½-NP	Consult Factory	3/4	Consult Factory
1/2	5/64 / 2mm	6mm	RT10-2-5¾	RT10-2-5¾-SS	RT10-2-5¾-316SS	RT10-2-5¾-NP	Consult Factory	3/4	Consult Factory
1/2	5/64 / 2mm	1/4	RT10-2-6	RT10-2-6-SS	RT10-2-6-316SS	RT10-2-6-NP	Consult Factory	3/4	Consult Factory
1/2	5/64 / 2mm	5/16 / 8mm	RT10-2-7	RT10-2-7-SS	RT10-2-7-316SS	RT10-2-7-NP	Consult Factory	3/4	Consult Factory
1/2	5/64 / 2mm	3/8	RT10-2-8	RT10-2-8-SS	RT10-2-8-316SS	RT10-2-8-NP	Consult Factory	3/4	Consult Factory
1/2	5/64 / 2mm	1/2	RT10-2-10	RT10-2-10-SS	RT10-2-10-316SS	RT10-2-10-NP	Consult Factory	3/4	Consult Factory
1/2	3/32	1/16	RT10-2½-1	RT10-2½-1-SS	RT10-2½-1-316SS	RT10-2½-1-NP	Consult Factory	3/4	Consult Factory
1/2	3/32	5/64 / 2mm	RT10-2½-2	RT10-2½-2-SS	RT10-2½-2-316SS	RT10-2½-2-NP	Consult Factory	3/4	Consult Factory
1/2	3/32	3/32	RT10-2½-2½	RT10-2½-2½-SS	RT10-2½-2½-316SS	RT10-2½-2½-NP	Consult Factory	3/4	Consult Factory
1/2	3/32	1/8	RT10-2½-3	RT10-2½-3-SS	RT10-2½-3-316SS	RT10-2½-3-NP	Consult Factory	3/4	Consult Factory

40 Reducing Tees (cont.) A

Tube ID			Part Numbers				Dimensions (Reference)		
9 O'clock	12 O'clock	3 O'clock	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
½	3/32	5/32 / 4mm	RT10-2½-3½	RT10-2½-3½-SS	RT10-2½-3½-316SS	RT10-2½-3½-NP	Consult Factory	¾	Consult Factory
½	3/32	.170	RT10-2½-4	RT10-2½-4-SS	RT10-2½-4-316SS	RT10-2½-4-NP		¾	
½	3/32	3/16	RT10-2½-5	RT10-2½-5-SS	RT10-2½-5-316SS	RT10-2½-5-NP		¾	
½	3/32	7/32	RT10-2½-5½	RT10-2½-5½-SS	RT10-2½-5½-316SS	RT10-2½-5½-NP		¾	
½	3/32	6mm	RT10-2½-5¾	RT10-2½-5¾-SS	RT10-2½-5¾-316SS	RT10-2½-5¾-NP		¾	
½	3/32	¼	RT10-2½-6	RT10-2½-6-SS	RT10-2½-6-316SS	RT10-2½-6-NP		¾	
½	3/32	5/16 / 8mm	RT10-2½-7	RT10-2½-7-SS	RT10-2½-7-316SS	RT10-2½-7-NP		¾	
½	3/32	3/8	RT10-2½-8	RT10-2½-8-SS	RT10-2½-8-316SS	RT10-2½-8-NP		¾	
½	3/32	½	RT10-2½-10	RT10-2½-10-SS	RT10-2½-10-316SS	RT10-2½-10-NP		¾	
½	1/8	1/16	RT10-3-1	RT10-3-1-SS	RT10-3-1-316SS	RT10-3-1-NP		¾	
½	1/8	5/64 / 2mm	RT10-3-2	RT10-3-2-SS	RT10-3-2-316SS	RT10-3-2-NP		¾	
½	1/8	3/32	RT10-3-2½	RT10-3-2½-SS	RT10-3-2½-316SS	RT10-3-2½-NP		¾	
½	1/8	1/8	RT10-3-3	RT10-3-3-SS	RT10-3-3-316SS	RT10-3-3-NP		¾	
½	1/8	5/32 / 4mm	RT10-3-3½	RT10-3-3½-SS	RT10-3-3½-316SS	RT10-3-3½-NP		¾	
½	1/8	.170	RT10-3-4	RT10-3-4-SS	RT10-3-4-316SS	RT10-3-4-NP		¾	
½	1/8	3/16	RT10-3-5	RT10-3-5-SS	RT10-3-5-316SS	RT10-3-5-NP		¾	
½	1/8	7/32	RT10-3-5½	RT10-3-5½-SS	RT10-3-5½-316SS	RT10-3-5½-NP		¾	
½	1/8	6mm	RT10-3-5¾	RT10-3-5¾-SS	RT10-3-5¾-316SS	RT10-3-5¾-NP		¾	
½	1/8	¼	RT10-3-6	RT10-3-6-SS	RT10-3-6-316SS	RT10-3-6-NP		¾	
½	1/8	5/16 / 8mm	RT10-3-7	RT10-3-7-SS	RT10-3-7-316SS	RT10-3-7-NP		¾	
½	1/8	3/8	RT10-3-8	RT10-3-8-SS	RT10-3-8-316SS	RT10-3-8-NP		¾	
½	1/8	½	RT10-3-10	RT10-3-10-SS	RT10-3-10-316SS	RT10-3-10-NP		¾	
½	5/32 / 4mm	1/16	RT10-3½-1	RT10-3½-1-SS	RT10-3½-1-316SS	RT10-3½-1-NP		¾	
½	5/32 / 4mm	5/64 / 2mm	RT10-3½-2	RT10-3½-2-SS	RT10-3½-2-316SS	RT10-3½-2-NP		¾	
½	5/32 / 4mm	3/32	RT10-3½-2½	RT10-3½-2½-SS	RT10-3½-2½-316SS	RT10-3½-2½-NP		¾	
½	5/32 / 4mm	1/8	RT10-3½-3	RT10-3½-3-SS	RT10-3½-3-316SS	RT10-3½-3-NP		¾	
½	5/32 / 4mm	5/32 / 4mm	RT10-3½-3½	RT10-3½-3½-SS	RT10-3½-3½-316SS	RT10-3½-3½-NP		¾	
½	5/32 / 4mm	.170	RT10-3½-4	RT10-3½-4-SS	RT10-3½-4-316SS	RT10-3½-4-NP		¾	
½	5/32 / 4mm	3/16	RT10-3½-5	RT10-3½-5-SS	RT10-3½-5-316SS	RT10-3½-5-NP		¾	
½	5/32 / 4mm	7/32	RT10-3½-5½	RT10-3½-5½-SS	RT10-3½-5½-316SS	RT10-3½-5½-NP		¾	
½	5/32 / 4mm	6mm	RT10-3½-5¾	RT10-3½-5¾-SS	RT10-3½-5¾-316SS	RT10-3½-5¾-NP		¾	
½	5/32 / 4mm	¼	RT10-3½-6	RT10-3½-6-SS	RT10-3½-6-316SS	RT10-3½-6-NP		¾	
½	5/32 / 4mm	5/16 / 8mm	RT10-3½-7	RT10-3½-7-SS	RT10-3½-7-316SS	RT10-3½-7-NP		¾	
½	5/32 / 4mm	3/8	RT10-3½-8	RT10-3½-8-SS	RT10-3½-8-316SS	RT10-3½-8-NP		¾	
½	5/32 / 4mm	½	RT10-3½-10	RT10-3½-10-SS	RT10-3½-10-316SS	RT10-3½-10-NP		¾	
½	.170	1/16	RT10-4-1	RT10-4-1-SS	RT10-4-1-316SS	RT10-4-1-NP		¾	
½	.170	5/64 / 2mm	RT10-4-2	RT10-4-2-SS	RT10-4-2-316SS	RT10-4-2-NP		¾	
½	.170	3/32	RT10-4-2½	RT10-4-2½-SS	RT10-4-2½-316SS	RT10-4-2½-NP		¾	
½	.170	1/8	RT10-4-3	RT10-4-3-SS	RT10-4-3-316SS	RT10-4-3-NP		¾	
½	.170	5/32 / 4mm	RT10-4-3½	RT10-4-3½-SS	RT10-4-3½-316SS	RT10-4-3½-NP		¾	




RT10-2½-4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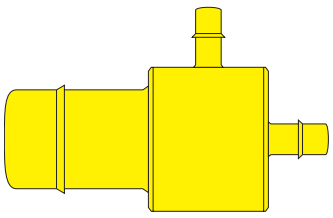
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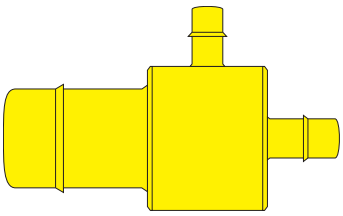
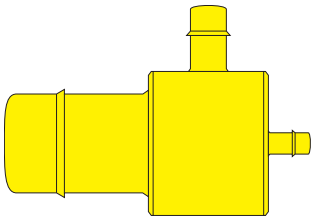
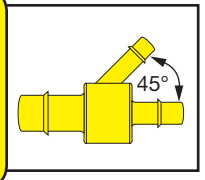

RT10-3½-5


RT10-4-2½

Continued on next page.

12 o'clock branch can be placed at any degree increment!

These are fixed locations; they DO NOT swivel!



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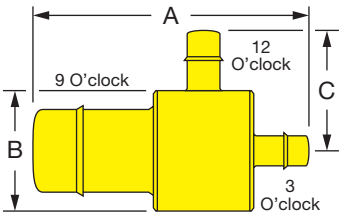
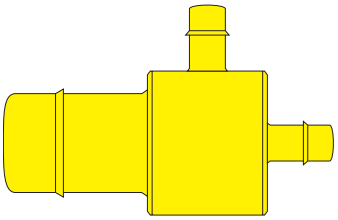
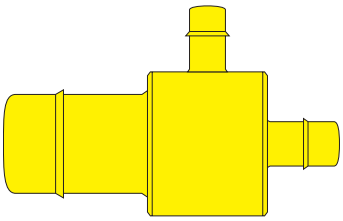
Reducing Tees (cont.) 41

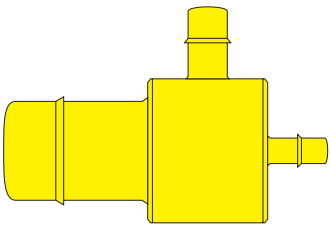




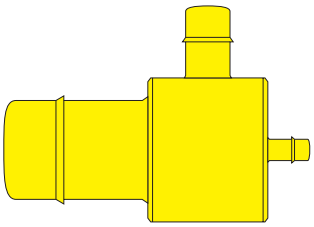
RT10-4-4



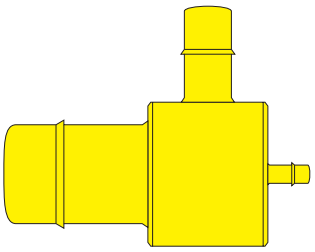
RT10-4-5½



RT10-5-3



RT10-5½-2½



RT10-5¾-2

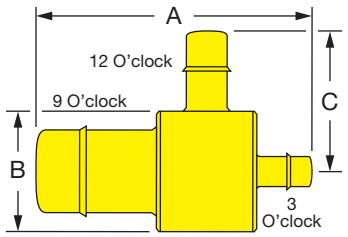
Continued on next page.

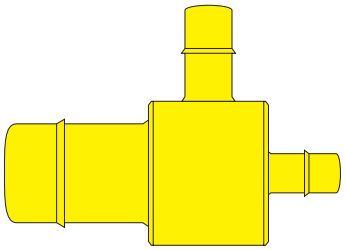
Square body Tees & alternate branch angles available! Consult factory for details!

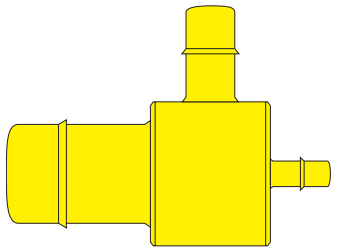
Tube ID			Part Numbers				Dimensions (Reference)		
9 O'clock	12 O'clock	3 O'clock	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
½	.170	.170	RT10-4-4	RT10-4-4-SS	RT10-4-4-316SS	RT10-4-4-NP	Consult Factory	¾	Consult Factory
½	.170	3/16	RT10-4-5	RT10-4-5-SS	RT10-4-5-316SS	RT10-4-5-NP		¾	
½	.170	7/32	RT10-4-5½	RT10-4-5½-SS	RT10-4-5½-316SS	RT10-4-5½-NP		¾	
½	.170	6mm	RT10-4-5¾	RT10-4-5¾-SS	RT10-4-5¾-316SS	RT10-4-5¾-NP		¾	
½	.170	¼	RT10-4-6	RT10-4-6-SS	RT10-4-6-316SS	RT10-4-6-NP		¾	
½	.170	5/16 / 8mm	RT10-4-7	RT10-4-7-SS	RT10-4-7-316SS	RT10-4-7-NP		¾	
½	.170	3/8	RT10-4-8	RT10-4-8-SS	RT10-4-8-316SS	RT10-4-8-NP		¾	
½	.170	½	RT10-4-10	RT10-4-10-SS	RT10-4-10-316SS	RT10-4-10-NP		¾	
½	3/16	1/16	RT10-5-1	RT10-5-1-SS	RT10-5-1-316SS	RT10-5-1-NP		¾	
½	3/16	5/64 / 2mm	RT10-5-2	RT10-5-2-SS	RT10-5-2-316SS	RT10-5-2-NP		¾	
½	3/16	3/32	RT10-5-2½	RT10-5-2½-SS	RT10-5-2½-316SS	RT10-5-2½-NP		¾	
½	3/16	1/8	RT10-5-3	RT10-5-3-SS	RT10-5-3-316SS	RT10-5-3-NP		¾	
½	3/16	5/32 / 4mm	RT10-5-3½	RT10-5-3½-SS	RT10-5-3½-316SS	RT10-5-3½-NP		¾	
½	3/16	.170	RT10-5-4	RT10-5-4-SS	RT10-5-4-316SS	RT10-5-4-NP		¾	
½	3/16	3/16	RT10-5-5	RT10-5-5-SS	RT10-5-5-316SS	RT10-5-5-NP		¾	
½	3/16	7/32	RT10-5-5½	RT10-5-5½-SS	RT10-5-5½-316SS	RT10-5-5½-NP		¾	
½	3/16	6mm	RT10-5-5¾	RT10-5-5¾-SS	RT10-5-5¾-316SS	RT10-5-5¾-NP		¾	
½	3/16	¼	RT10-5-6	RT10-5-6-SS	RT10-5-6-316SS	RT10-5-6-NP		¾	
½	3/16	5/16 / 8mm	RT10-5-7	RT10-5-7-SS	RT10-5-7-316SS	RT10-5-7-NP		¾	
½	3/16	3/8	RT10-5-8	RT10-5-8-SS	RT10-5-8-316SS	RT10-5-8-NP		¾	
½	3/16	½	RT10-5-10	RT10-5-10-SS	RT10-5-10-316SS	RT10-5-10-NP		¾	
½	7/32	1/16	RT10-5½-1	RT10-5½-1-SS	RT10-5½-1-316SS	RT10-5½-1-NP		¾	
½	7/32	5/64 / 2mm	RT10-5½-2	RT10-5½-2-SS	RT10-5½-2-316SS	RT10-5½-2-NP		¾	
½	7/32	3/32	RT10-5½-2½	RT10-5½-2½-SS	RT10-5½-2½-316SS	RT10-5½-2½-NP		¾	
½	7/32	1/8	RT10-5½-3	RT10-5½-3-SS	RT10-5½-3-316SS	RT10-5½-3-NP		¾	
½	7/32	5/32 / 4mm	RT10-5½-3½	RT10-5½-3½-SS	RT10-5½-3½-316SS	RT10-5½-3½-NP		¾	
½	7/32	.170	RT10-5½-4	RT10-5½-4-SS	RT10-5½-4-316SS	RT10-5½-4-NP		¾	
½	7/32	3/16	RT10-5½-5	RT10-5½-5-SS	RT10-5½-5-316SS	RT10-5½-5-NP		¾	
½	7/32	7/32	RT10-5½-5½	RT10-5½-5½-SS	RT10-5½-5½-316SS	RT10-5½-5½-NP		¾	
½	7/32	6mm	RT10-5½-5¾	RT10-5½-5¾-SS	RT10-5½-5¾-316SS	RT10-5½-5¾-NP		¾	
½	7/32	¼	RT10-5½-6	RT10-5½-6-SS	RT10-5½-6-316SS	RT10-5½-6-NP		¾	
½	7/32	5/16 / 8mm	RT10-5½-7	RT10-5½-7-SS	RT10-5½-7-316SS	RT10-5½-7-NP		¾	
½	7/32	3/8	RT10-5½-8	RT10-5½-8-SS	RT10-5½-8-316SS	RT10-5½-8-NP		¾	
½	7/32	½	RT10-5½-10	RT10-5½-10-SS	RT10-5½-10-316SS	RT10-5½-10-NP		¾	
½	6mm	1/16	RT10-5¾-1	RT10-5¾-1-SS	RT10-5¾-1-316SS	RT10-5¾-1-NP		¾	
½	6mm	5/64 / 2mm	RT10-5¾-2	RT10-5¾-2-SS	RT10-5¾-2-316SS	RT10-5¾-2-NP		¾	
½	6mm	3/32	RT10-5¾-2½	RT10-5¾-2½-SS	RT10-5¾-2½-316SS	RT10-5¾-2½-NP		¾	
½	6mm	1/8	RT10-5¾-3	RT10-5¾-3-SS	RT10-5¾-3-316SS	RT10-5¾-3-NP		¾	
½	6mm	5/32 / 4mm	RT10-5¾-3½	RT10-5¾-3½-SS	RT10-5¾-3½-316SS	RT10-5¾-3½-NP		¾	
½	6mm	.170	RT10-5¾-4	RT10-5¾-4-SS	RT10-5¾-4-316SS	RT10-5¾-4-NP		¾	

42 Reducing Tees (cont.) A

Tube ID			Part Numbers				Dimensions (Reference)		
9 O'clock	12 O'clock	3 O'clock	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
½	6mm	3/16	RT10-5 3/4-5	RT10-5 3/4-5-SS	RT10-5 3/4-5-316SS	RT10-5 3/4-5-NP	Consult Factory	¾	Consult Factory
½	6mm	7/32	RT10-5 3/4-5 1/2	RT10-5 3/4-5 1/2-SS	RT10-5 3/4-5 1/2-316SS	RT10-5 3/4-5 1/2-NP		¾	
½	6mm	6mm	RT10-5 3/4-5 3/4	RT10-5 3/4-5 3/4-SS	RT10-5 3/4-5 3/4-316SS	RT10-5 3/4-5 3/4-NP		¾	
½	6mm	¼	RT10-5 3/4-6	RT10-5 3/4-6-SS	RT10-5 3/4-6-316SS	RT10-5 3/4-6-NP		¾	
½	6mm	5/16 / 8mm	RT10-5 3/4-7	RT10-5 3/4-7-SS	RT10-5 3/4-7-316SS	RT10-5 3/4-7-NP		¾	
½	6mm	3/8	RT10-5 3/4-8	RT10-5 3/4-8-SS	RT10-5 3/4-8-316SS	RT10-5 3/4-8-NP		¾	
½	6mm	½	RT10-5 3/4-10	RT10-5 3/4-10-SS	RT10-5 3/4-10-316SS	RT10-5 3/4-10-NP		¾	
½	¼	1/16	RT10-6-1	RT10-6-1-SS	RT10-6-1-316SS	RT10-6-1-NP		¾	
½	¼	5/64 / 2mm	RT10-6-2	RT10-6-2-SS	RT10-6-2-316SS	RT10-6-2-NP		¾	
½	¼	3/32	RT10-6-2 1/2	RT10-6-2 1/2-SS	RT10-6-2 1/2-316SS	RT10-6-2 1/2-NP		¾	
½	¼	⅛	RT10-6-3	RT10-6-3-SS	RT10-6-3-316SS	RT10-6-3-NP		¾	
½	¼	5/32 / 4mm	RT10-6-3 1/2	RT10-6-3 1/2-SS	RT10-6-3 1/2-316SS	RT10-6-3 1/2-NP		¾	
½	¼	.170	RT10-6-4	RT10-6-4-SS	RT10-6-4-316SS	RT10-6-4-NP		¾	
½	¼	3/16	RT10-6-5	RT10-6-5-SS	RT10-6-5-316SS	RT10-6-5-NP		¾	
½	¼	7/32	RT10-6-5 1/2	RT10-6-5 1/2-SS	RT10-6-5 1/2-316SS	RT10-6-5 1/2-NP		¾	
½	¼	6mm	RT10-6-5 3/4	RT10-6-5 3/4-SS	RT10-6-5 3/4-316SS	RT10-6-5 3/4-NP		¾	
½	¼	¼	RT10-6-6	RT10-6-6-SS	RT10-6-6-316SS	RT10-6-6-NP		¾	
½	¼	5/16 / 8mm	RT10-6-7	RT10-6-7-SS	RT10-6-7-316SS	RT10-6-7-NP		¾	
½	¼	⅜	RT10-6-8	RT10-6-8-SS	RT10-6-8-316SS	RT10-6-8-NP		¾	
½	¼	½	RT10-6-10	RT10-6-10-SS	RT10-6-10-316SS	RT10-6-10-NP		¾	
½	5/16 / 8mm	1/16	RT10-7-1	RT10-7-1-SS	RT10-7-1-316SS	RT10-7-1-NP		¾	
½	5/16 / 8mm	5/64 / 2mm	RT10-7-2	RT10-7-2-SS	RT10-7-2-316SS	RT10-7-2-NP		¾	
½	5/16 / 8mm	3/32	RT10-7-2 1/2	RT10-7-2 1/2-SS	RT10-7-2 1/2-316SS	RT10-7-2 1/2-NP		¾	
½	5/16 / 8mm	⅛	RT10-7-3	RT10-7-3-SS	RT10-7-3-316SS	RT10-7-3-NP		¾	
½	5/16 / 8mm	5/32 / 4mm	RT10-7-3 1/2	RT10-7-3 1/2-SS	RT10-7-3 1/2-316SS	RT10-7-3 1/2-NP		¾	
½	5/16 / 8mm	.170	RT10-7-4	RT10-7-4-SS	RT10-7-4-316SS	RT10-7-4-NP		¾	
½	5/16 / 8mm	3/16	RT10-7-5	RT10-7-5-SS	RT10-7-5-316SS	RT10-7-5-NP		¾	
½	5/16 / 8mm	7/32	RT10-7-5 1/2	RT10-7-5 1/2-SS	RT10-7-5 1/2-316SS	RT10-7-5 1/2-NP		¾	
½	5/16 / 8mm	6mm	RT10-7-5 3/4	RT10-7-5 3/4-SS	RT10-7-5 3/4-316SS	RT10-7-5 3/4-NP		¾	
½	5/16 / 8mm	¼	RT10-7-6	RT10-7-6-SS	RT10-7-6-316SS	RT10-7-6-NP		¾	
½	5/16 / 8mm	5/16 / 8mm	RT10-7-7	RT10-7-7-SS	RT10-7-7-316SS	RT10-7-7-NP		¾	
½	5/16 / 8mm	⅜	RT10-7-8	RT10-7-8-SS	RT10-7-8-316SS	RT10-7-8-NP		¾	
½	5/16 / 8mm	½	RT10-7-10	RT10-7-10-SS	RT10-7-10-316SS	RT10-7-10-NP		¾	
½	⅜	1/16	RT10-8-1	RT10-8-1-SS	RT10-8-1-316SS	RT10-8-1-NP		¾	
½	⅜	5/64 / 2mm	RT10-8-2	RT10-8-2-SS	RT10-8-2-316SS	RT10-8-2-NP		¾	
½	⅜	3/32	RT10-8-2 1/2	RT10-8-2 1/2-SS	RT10-8-2 1/2-316SS	RT10-8-2 1/2-NP		¾	
½	⅜	⅛	RT10-8-3	RT10-8-3-SS	RT10-8-3-316SS	RT10-8-3-NP		¾	
½	⅜	5/32 / 4mm	RT10-8-3 1/2	RT10-8-3 1/2-SS	RT10-8-3 1/2-316SS	RT10-8-3 1/2-NP		¾	
½	⅜	.170	RT10-8-4	RT10-8-4-SS	RT10-8-4-316SS	RT10-8-4-NP		¾	
½	⅜	3/16	RT10-8-5	RT10-8-5-SS	RT10-8-5-316SS	RT10-8-5-NP		¾	




RT10-5 3/4-5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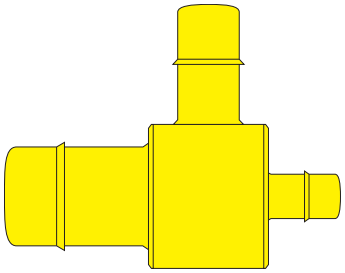
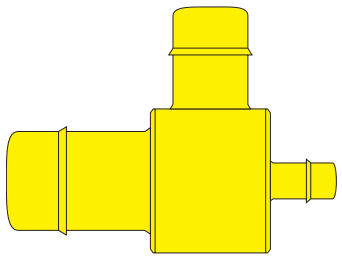
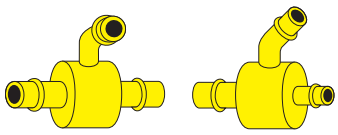

RT10-7-5 1/2


RT10-8-4

Continued on next page.

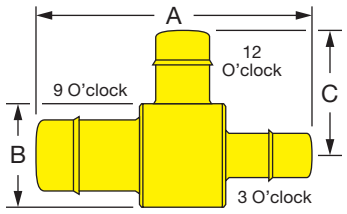
12 o'clock branch can be at any angle! Consult factory!

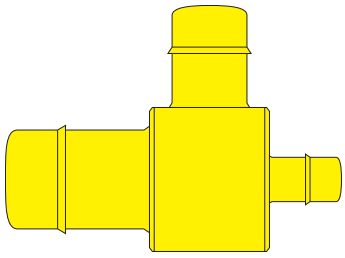


Branches DO NOT swivel!

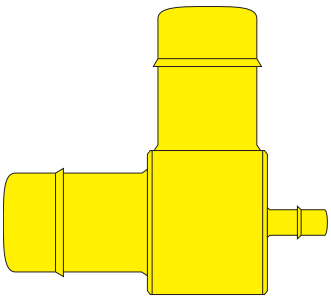
A

Reducing Tees (cont.) 43

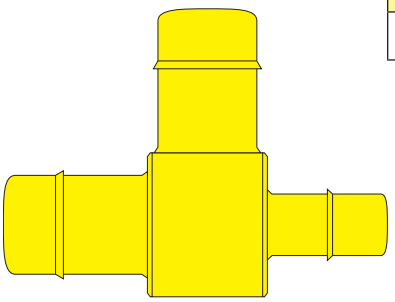




RT10-8-5½



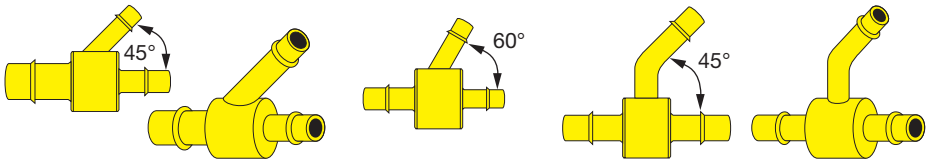
RT10-10-3



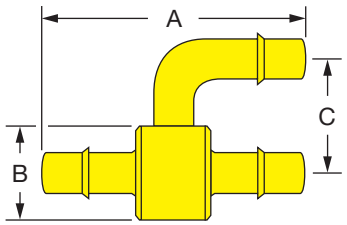
RT10-10-7

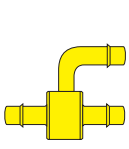
Tube ID			Part Numbers				Dimensions (Reference)		
9 O'clock	12 O'clock	3 O'clock	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
½	⅜	7/32	RT10-8-5½	RT10-8-5½-SS	RT10-8-5½-316SS	RT10-8-5½-NP	Consult Factory	Consult Factory	Consult Factory
½	⅜	6mm	RT10-8-5¾	RT10-8-5¾-SS	RT10-8-5¾-316SS	RT10-8-5¾-NP			
½	⅜	¼	RT10-8-6	RT10-8-6-SS	RT10-8-6-316SS	RT10-8-6-NP			
½	⅜	5/16 / 8mm	RT10-8-7	RT10-8-7-SS	RT10-8-7-316SS	RT10-8-7-NP			
½	⅜	⅜	RT10-8-8	RT10-8-8-SS	RT10-8-8-316SS	RT10-8-8-NP			
½	⅜	½	RT10-8-10	RT10-8-10-SS	RT10-8-10-316SS	RT10-8-10-NP			
½	½	1/16	RT10-10-1	RT10-10-1-SS	RT10-10-1-316SS	RT10-10-1-NP			
½	½	5/64 / 2mm	RT10-10-2	RT10-10-2-SS	RT10-10-2-316SS	RT10-10-2-NP			
½	½	3/32	RT10-10-2½	RT10-10-2½-SS	RT10-10-2½-316SS	RT10-10-2½-NP			
½	½	⅛	RT10-10-3	RT10-10-3-SS	RT10-10-3-316SS	RT10-10-3-NP			
½	½	5/32 / 4mm	RT10-10-3½	RT10-10-3½-SS	RT10-10-3½-316SS	RT10-10-3½-NP			
½	½	.170	RT10-10-4	RT10-10-4-SS	RT10-10-4-316SS	RT10-10-4-NP			
½	½	3/16	RT10-10-5	RT10-10-5-SS	RT10-10-5-316SS	RT10-10-5-NP			
½	½	7/32	RT10-10-5½	RT10-10-5½-SS	RT10-10-5½-316SS	RT10-10-5½-NP			
½	½	6mm	RT10-10-5¾	RT10-10-5¾-SS	RT10-10-5¾-316SS	RT10-10-5¾-NP			
½	½	¼	RT10-10-6	RT10-10-6-SS	RT10-10-6-316SS	RT10-10-6-NP			
½	½	5/16 / 8mm	RT10-10-7	RT10-10-7-SS	RT10-10-7-316SS	RT10-10-7-NP			
½	½	⅜	RT10-10-8	RT10-10-8-SS	RT10-10-8-316SS	RT10-10-8-NP			

12 o'clock branch can be placed at any angle! These are fixed locations; they DO NOT swivel!

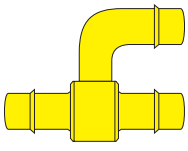


Parallel Run L-Tees 44





T2-L2-2



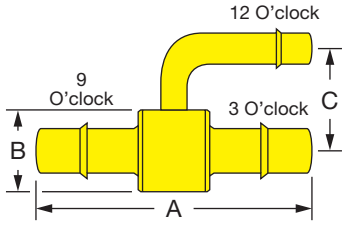
T4-L4-4

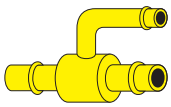
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
1/16	T1-L1-1	T1-L1-1-SS	T1-L1-1-316SS	T1-L1-1-NP	5/8	¼	¼
5/64 / 2mm	T2-L2-2	T2-L2-2-SS	T2-L2-2-316SS	T2-L2-2-NP	5/8	¼	5/16
3/32	T2½-L2½-2½	T2½-L2½-2½-SS	T2½-L2½-2½-316SS	T2½-L2½-2½-NP	5/8	¼	5/16
⅛	T3-L3-3	T3-L3-3-SS	T3-L3-3-316SS	T3-L3-3-NP	27/32	5/16	⅜
5/32 / 4mm	T3½-L3½-3½	T3½-L3½-3½-SS	T3½-L3½-3½-316SS	T3½-L3½-3½-NP	27/32	5/16	⅜
.170	T4-L4-4	T4-L4-4-SS	T4-L4-4-316SS	T4-L4-4-NP	15/16	5/16	7/16
3/16	T5-L5-5	T5-L5-5-SS	T5-L5-5-316SS	T5-L5-5-NP	1	5/16	5/8

45 Parallel Run Reducing L-Tees

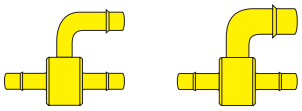
A

Tube ID			Part Numbers				Dimensions (Reference)		
9 O'clock	12 O'clock	3 O'clock	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
1/16	5/64 / 2mm	1/16	RT1-L2-1	RT1-L2-1-SS	RT1-L2-1-316SS	RT1-L2-1-NP	5/8	1/4	5/16
1/16	3/32	1/16	RT1-L2 1/2-1	RT1-L2 1/2-1-SS	RT1-L2 1/2-1-316SS	RT1-L2 1/2-1-NP	5/8	1/4	5/16
1/16	1/8	1/16	RT1-L3-1	RT1-L3-1-SS	RT1-L3-1-316SS	RT1-L3-1-NP	5/8	1/4	1/4
1/16	5/32/ 4mm	1/16	RT1-L3 1/2-1	RT1-L3 1/2-1-SS	RT1-L3 1/2-1-316SS	RT1-L3 1/2-1-NP	5/8	1/4	1/4
5/64 / 2mm	1/16	1/16	RT2-L1-1	RT2-L1-1-SS	RT2-L1-1-316SS	RT2-L1-1-NP	5/8	1/4	1/4
5/64 / 2mm	1/16	5/64 / 2mm	RT2-L1-2	RT2-L1-2-SS	RT2-L1-2-316SS	RT2-L1-2-NP	5/8	1/4	1/4
5/64 / 2mm	5/64 / 2mm	1/16	RT2-L2-1	RT2-L2-1-SS	RT2-L2-1-316SS	RT2-L2-1-NP	5/8	1/4	5/16
5/64 / 2mm	1/8	1/16	RT2-L3-1	RT2-L3-1-SS	RT2-L3-1-316SS	RT2-L3-1-NP	5/8	1/4	1/4
5/64 / 2mm	1/8	5/64 / 2mm	RT2-L3-2	RT2-L3-2-SS	RT2-L3-2-316SS	RT2-L3-2-NP	5/8	1/4	1/4
5/64 / 2mm	5/32/ 4mm	1/16	RT2-L3 1/2-1	RT2-L3 1/2-1-SS	RT2-L3 1/2-1-316SS	RT2-L3 1/2-1-NP	5/8	1/4	1/4
5/64 / 2mm	5/32/ 4mm	5/64 / 2mm	RT2-L3 1/2-2	RT2-L3 1/2-2-SS	RT2-L3 1/2-2-316SS	RT2-L3 1/2-2-NP	5/8	1/4	1/4
5/64 / 2mm	.170	1/16	RT2-L4-1	RT2-L4-1-SS	RT2-L4-1-316SS	RT2-L4-1-NP	*Consult Factory*		
5/64 / 2mm	.170	5/64 / 2mm	RT2-L4-2	RT2-L4-2-SS	RT2-L4-2-316SS	RT2-L4-2-NP	*Consult Factory*		
3/32	1/16	1/16	RT2 1/2-L1-1	RT2 1/2-L1-1-SS	RT2 1/2-L1-1-316SS	RT2 1/2-L1-1-NP	5/8	1/4	1/4
3/32	1/16	5/64 / 2mm	RT2 1/2-L1-2	RT2 1/2-L1-2-SS	RT2 1/2-L1-2-316SS	RT2 1/2-L1-2-NP	5/8	1/4	1/4
3/32	1/16	3/32	RT2 1/2-L1-2 1/2	RT2 1/2-L1-2 1/2-SS	RT2 1/2-L1-2 1/2-316SS	RT2 1/2-L1-2 1/2-NP	5/8	1/4	1/4
3/32	5/64 / 2mm	1/16	RT2 1/2-L2-1	RT2 1/2-L2-1-SS	RT2 1/2-L2-1-316SS	RT2 1/2-L2-1-NP	5/8	1/4	5/16
3/32	5/64 / 2mm	5/64 / 2mm	RT2 1/2-L2-2	RT2 1/2-L2-2-SS	RT2 1/2-L2-2-316SS	RT2 1/2-L2-2-NP	5/8	1/4	5/16
3/32	5/64 / 2mm	3/32	RT2 1/2-L2-2 1/2	RT2 1/2-L2-2 1/2-SS	RT2 1/2-L2-2 1/2-316SS	RT2 1/2-L2-2 1/2-NP	5/8	1/4	5/16
3/32	3/32	1/16	RT2 1/2-L2 1/2-1	RT2 1/2-L2 1/2-1-SS	RT2 1/2-L2 1/2-1-316SS	RT2 1/2-L2 1/2-1-NP	5/8	1/4	5/16
3/32	3/32	5/64 / 2mm	RT2 1/2-L2 1/2-2	RT2 1/2-L2 1/2-2-SS	RT2 1/2-L2 1/2-2-316SS	RT2 1/2-L2 1/2-2-NP	5/8	1/4	5/16
3/32	1/8	1/16	RT2 1/2-L3-1	RT2 1/2-L3-1-SS	RT2 1/2-L3-1-316SS	RT2 1/2-L3-1-NP	5/8	1/4	5/16
3/32	1/8	5/64 / 2mm	RT2 1/2-L3-2	RT2 1/2-L3-2-SS	RT2 1/2-L3-2-316SS	RT2 1/2-L3-2-NP	5/8	1/4	5/16
3/32	1/8	3/32	RT2 1/2-L3-2 1/2	RT2 1/2-L3-2 1/2-SS	RT2 1/2-L3-2 1/2-316SS	RT2 1/2-L3-2 1/2-NP	5/8	1/4	5/16
3/32	5/32/ 4mm	1/16	RT2 1/2-L3 1/2-1	RT2 1/2-L3 1/2-1-SS	RT2 1/2-L3 1/2-1-316SS	RT2 1/2-L3 1/2-1-NP	5/8	1/4	5/16
3/32	5/32/ 4mm	5/64 / 2mm	RT2 1/2-L3 1/2-2	RT2 1/2-L3 1/2-2-SS	RT2 1/2-L3 1/2-2-316SS	RT2 1/2-L3 1/2-2-NP	5/8	1/4	5/16
3/32	5/32/ 4mm	3/32	RT2 1/2-L3 1/2-2 1/2	RT2 1/2-L3 1/2-2 1/2-SS	RT2 1/2-L3 1/2-2 1/2-316SS	RT2 1/2-L3 1/2-2 1/2-NP	5/8	1/4	5/16
3/32	.170	1/16	RT2 1/2-L4-1	RT2 1/2-L4-1-SS	RT2 1/2-L4-1-316SS	RT2 1/2-L4-1-NP	*Consult Factory*		
3/32	.170	5/64 / 2mm	RT2 1/2-L4-2	RT2 1/2-L4-2-SS	RT2 1/2-L4-2-316SS	RT2 1/2-L4-2-NP	*Consult Factory*		
3/32	.170	3/32	RT2 1/2-L4-2 1/2	RT2 1/2-L4-2 1/2-SS	RT2 1/2-L4-2 1/2-316SS	RT2 1/2-L4-2 1/2-NP	*Consult Factory*		
1/8	1/16	1/16	RT3-L1-1	RT3-L1-1-SS	RT3-L1-1-316SS	RT3-L1-1-NP	3/4	5/16	5/16
1/8	1/16	5/64 / 2mm	RT3-L1-2	RT3-L1-2-SS	RT3-L1-2-316SS	RT3-L1-2-NP	3/4	5/16	5/16
1/8	1/16	3/32	RT3-L1-2 1/2	RT3-L1-2 1/2-SS	RT3-L1-2 1/2-316SS	RT3-L1-2 1/2-NP	3/4	5/16	5/16
1/8	1/16	1/8	RT3-L1-3	RT3-L1-3-SS	RT3-L1-3-316SS	RT3-L1-3-NP	3/4	5/16	5/16
1/8	5/64 / 2mm	1/16	RT3-L2-1	RT3-L2-1-SS	RT3-L2-1-316SS	RT3-L2-1-NP	3/4	5/16	5/16
1/8	5/64 / 2mm	5/64 / 2mm	RT3-L2-2	RT3-L2-2-SS	RT3-L2-2-316SS	RT3-L2-2-NP	3/4	5/16	5/16

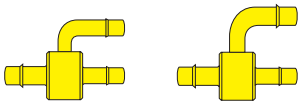




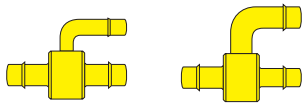
RT1-L2-1 RT1-L3-1



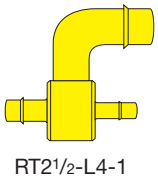
RT2-L1-1 RT2-L2-1



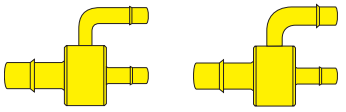
RT2-L3-1 RT2-L3 1/2-2



RT2 1/2-L1-2 1/2 RT2 1/2-L2 1/2-2



RT2 1/2-L4-1

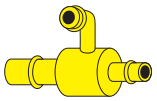


RT3-L1-3 RT3-L2-1

Continued on next page.

Smaller branch sizes available!
Other configurations available!
Consult factory for details!

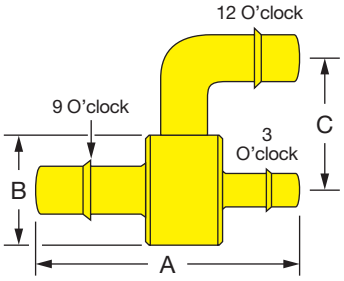
12 o'clock branch can be placed at any degree increment!
Consult factory for details!

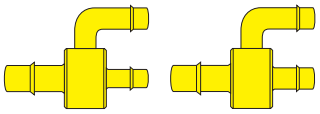


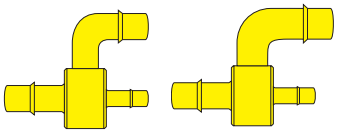
Fixed locations - they DO NOT swivel!

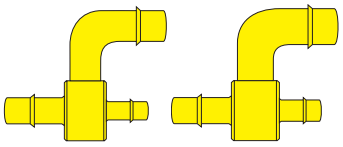
A

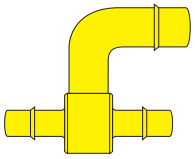
Parallel Run Reducing L-Tees 46

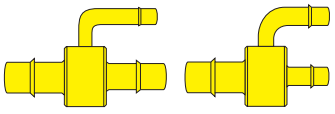


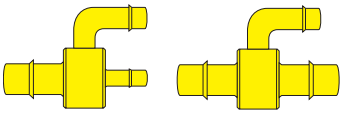

RT3-L2$^{1}/_{2}$-2 RT3-L2$^{1}/_{2}$-2$^{1}/_{2}$


RT3-L3-1 RT3-L3$^{1}/_{2}$-1


RT3-L3$^{1}/_{2}$-2 RT3-L4-2$^{1}/_{2}$


RT3-L5-3

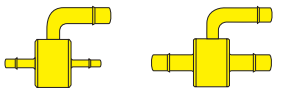

RT3$^{1}/_{2}$-L1-3 RT3$^{1}/_{2}$-L2-2


RT3$^{1}/_{2}$-L2$^{1}/_{2}$-1 RT3$^{1}/_{2}$-L2$^{1}/_{2}$-3$^{1}/_{2}$

Continued on next page.

12 o'clock branch can be placed at any degree increment! (These are fixed locations!)

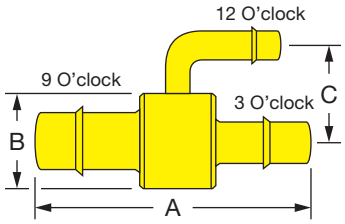
Smaller branch options available! Consult factory for details!

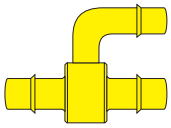

RT.040-L1-.031 RT1-L.050-1

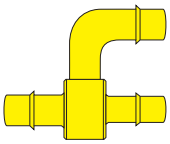
Tube ID			Part Numbers				Dimensions (Reference)		
9 O'clock	12 O'clock	3 O'clock	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
1/8	5/64 / 2mm	3/32	RT3-L2-2$^{1}/_{2}$	RT3-L2-2$^{1}/_{2}$-SS	RT3-L2-2$^{1}/_{2}$-316SS	RT3-L2-2$^{1}/_{2}$-NP	3/4	5/16	5/16
1/8	5/64 / 2mm	1/8	RT3-L2-3	RT3-L2-3-SS	RT3-L2-3-316SS	RT3-L2-3-NP	27/32	5/16	5/16
1/8	3/32	1/16	RT3-L2$^{1}/_{2}$-1	RT3-L2$^{1}/_{2}$-1-SS	RT3-L2$^{1}/_{2}$-1-316SS	RT3-L2$^{1}/_{2}$-1-NP	3/4	5/16	5/16
1/8	3/32	5/64 / 2mm	RT3-L2$^{1}/_{2}$-2	RT3-L2$^{1}/_{2}$-2-SS	RT3-L2$^{1}/_{2}$-2-316SS	RT3-L2$^{1}/_{2}$-2-NP	3/4	5/16	5/16
1/8	3/32	3/32	RT3-L2$^{1}/_{2}$-2$^{1}/_{2}$	RT3-L2$^{1}/_{2}$-2$^{1}/_{2}$-SS	RT3-L2$^{1}/_{2}$-2$^{1}/_{2}$-316SS	RT3-L2$^{1}/_{2}$-2$^{1}/_{2}$-NP	3/4	5/16	5/16
1/8	3/32	1/8	RT3-L2$^{1}/_{2}$-3	RT3-L2$^{1}/_{2}$-3-SS	RT3-L2$^{1}/_{2}$-3-316SS	RT3-L2$^{1}/_{2}$-3-NP	27/32	5/16	5/16
1/8	1/8	1/16	RT3-L3-1	RT3-L3-1-SS	RT3-L3-1-316SS	RT3-L3-1-NP	3/4	5/16	3/8
1/8	1/8	5/64 / 2mm	RT3-L3-2	RT3-L3-2-SS	RT3-L3-2-316SS	RT3-L3-2-NP	3/4	5/16	3/8
1/8	1/8	3/32	RT3-L3-2$^{1}/_{2}$	RT3-L3-2$^{1}/_{2}$-SS	RT3-L3-2$^{1}/_{2}$-316SS	RT3-L3-2$^{1}/_{2}$-NP	3/4	5/16	3/8
1/8	5/32 / 4mm	1/16	RT3-L3$^{1}/_{2}$-1	RT3-L3$^{1}/_{2}$-1-SS	RT3-L3$^{1}/_{2}$-1-316SS	RT3-L3$^{1}/_{2}$-1-NP	3/4	5/16	3/8
1/8	5/32 / 4mm	5/64 / 2mm	RT3-L3$^{1}/_{2}$-2	RT3-L3$^{1}/_{2}$-2-SS	RT3-L3$^{1}/_{2}$-2-316SS	RT3-L3$^{1}/_{2}$-2-NP	27/32	5/16	3/8
1/8	5/32 / 4mm	3/32	RT3-L3$^{1}/_{2}$-2$^{1}/_{2}$	RT3-L3$^{1}/_{2}$-2$^{1}/_{2}$-SS	RT3-L3$^{1}/_{2}$-2$^{1}/_{2}$-316SS	RT3-L3$^{1}/_{2}$-2$^{1}/_{2}$-NP	27/32	5/16	3/8
1/8	5/32 / 4mm	1/8	RT3-L3$^{1}/_{2}$-3	RT3-L3$^{1}/_{2}$-3-SS	RT3-L3$^{1}/_{2}$-3-316SS	RT3-L3$^{1}/_{2}$-3-NP	27/32	5/16	3/8
1/8	.170	1/16	RT3-L4-1	RT3-L4-1-SS	RT3-L4-1-316SS	RT3-L4-1-NP	Consult Factory	Consult Factory	Consult Factory
1/8	.170	5/64 / 2mm	RT3-L4-2	RT3-L4-2-SS	RT3-L4-2-316SS	RT3-L4-2-NP	Consult Factory	Consult Factory	Consult Factory
1/8	.170	3/32	RT3-L4-2$^{1}/_{2}$	RT3-L4-2$^{1}/_{2}$-SS	RT3-L4-2$^{1}/_{2}$-316SS	RT3-L4-2$^{1}/_{2}$-NP	Consult Factory	Consult Factory	Consult Factory
1/8	.170	1/8	RT3-L4-3	RT3-L4-3-SS	RT3-L4-3-316SS	RT3-L4-3-NP	Consult Factory	Consult Factory	Consult Factory
1/8	3/16	1/16	RT3-L5-1	RT3-L5-1-SS	RT3-L5-1-316SS	RT3-L5-1-NP	Consult Factory	Consult Factory	Consult Factory
1/8	3/16	5/64 / 2mm	RT3-L5-2	RT3-L5-2-SS	RT3-L5-2-316SS	RT3-L5-2-NP	Consult Factory	Consult Factory	Consult Factory
1/8	3/16	3/32	RT3-L5-2$^{1}/_{2}$	RT3-L5-2$^{1}/_{2}$-SS	RT3-L5-2$^{1}/_{2}$-316SS	RT3-L5-2$^{1}/_{2}$-NP	Consult Factory	Consult Factory	Consult Factory
1/8	3/16	1/8	RT3-L5-3	RT3-L5-3-SS	RT3-L5-3-316SS	RT3-L5-3-NP	Consult Factory	Consult Factory	Consult Factory
5/32 / 4mm	1/16	1/16	RT3$^{1}/_{2}$-L1-1	RT3$^{1}/_{2}$-L1-1-SS	RT3$^{1}/_{2}$-L1-1-316SS	RT3$^{1}/_{2}$-L1-1-NP	Consult Factory	Consult Factory	Consult Factory
5/32 / 4mm	1/16	5/64 / 2mm	RT3$^{1}/_{2}$-L1-2	RT3$^{1}/_{2}$-L1-2-SS	RT3$^{1}/_{2}$-L1-2-316SS	RT3$^{1}/_{2}$-L1-2-NP	Consult Factory	Consult Factory	Consult Factory
5/32 / 4mm	1/16	3/32	RT3$^{1}/_{2}$-L1-2$^{1}/_{2}$	RT3$^{1}/_{2}$-L1-2$^{1}/_{2}$-SS	RT3$^{1}/_{2}$-L1-2$^{1}/_{2}$-316SS	RT3$^{1}/_{2}$-L1-2$^{1}/_{2}$-NP	Consult Factory	Consult Factory	Consult Factory
5/32 / 4mm	1/16	1/8	RT3$^{1}/_{2}$-L1-3	RT3$^{1}/_{2}$-L1-3-SS	RT3$^{1}/_{2}$-L1-3-316SS	RT3$^{1}/_{2}$-L1-3-NP	Consult Factory	Consult Factory	Consult Factory
5/32 / 4mm	1/16	5/32 / 4mm	RT3$^{1}/_{2}$-L1-3$^{1}/_{2}$	RT3$^{1}/_{2}$-L1-3$^{1}/_{2}$-SS	RT3$^{1}/_{2}$-L1-3$^{1}/_{2}$-316SS	RT3$^{1}/_{2}$-L1-3$^{1}/_{2}$-NP	Consult Factory	Consult Factory	Consult Factory
5/32 / 4mm	5/64 / 2mm	1/16	RT3$^{1}/_{2}$-L2-1	RT3$^{1}/_{2}$-L2-1-SS	RT3$^{1}/_{2}$-L2-1-316SS	RT3$^{1}/_{2}$-L2-1-NP	Consult Factory	Consult Factory	Consult Factory
5/32 / 4mm	5/64 / 2mm	5/64 / 2mm	RT3$^{1}/_{2}$-L2-2	RT3$^{1}/_{2}$-L2-2-SS	RT3$^{1}/_{2}$-L2-2-316SS	RT3$^{1}/_{2}$-L2-2-NP	Consult Factory	Consult Factory	Consult Factory
5/32 / 4mm	5/64 / 2mm	3/32	RT3$^{1}/_{2}$-L2-2$^{1}/_{2}$	RT3$^{1}/_{2}$-L2-2$^{1}/_{2}$-SS	RT3$^{1}/_{2}$-L2-2$^{1}/_{2}$-316SS	RT3$^{1}/_{2}$-L2-2$^{1}/_{2}$-NP	Consult Factory	Consult Factory	Consult Factory
5/32 / 4mm	5/64 / 2mm	1/8	RT3$^{1}/_{2}$-L2-3	RT3$^{1}/_{2}$-L2-3-SS	RT3$^{1}/_{2}$-L2-3-316SS	RT3$^{1}/_{2}$-L2-3-NP	Consult Factory	Consult Factory	Consult Factory
5/32 / 4mm	5/64 / 2mm	5/32 / 4mm	RT3$^{1}/_{2}$-L2-3$^{1}/_{2}$	RT3$^{1}/_{2}$-L2-3$^{1}/_{2}$-SS	RT3$^{1}/_{2}$-L2-3$^{1}/_{2}$-316SS	RT3$^{1}/_{2}$-L2-3$^{1}/_{2}$-NP	Consult Factory	Consult Factory	Consult Factory
5/32 / 4mm	3/32	1/16	RT3$^{1}/_{2}$-L2$^{1}/_{2}$-1	RT3$^{1}/_{2}$-L2$^{1}/_{2}$-1-SS	RT3$^{1}/_{2}$-L2$^{1}/_{2}$-1-316SS	RT3$^{1}/_{2}$-L2$^{1}/_{2}$-1-NP	Consult Factory	Consult Factory	Consult Factory
5/32 / 4mm	3/32	5/64 / 2mm	RT3$^{1}/_{2}$-L2$^{1}/_{2}$-2	RT3$^{1}/_{2}$-L2$^{1}/_{2}$-2-SS	RT3$^{1}/_{2}$-L2$^{1}/_{2}$-2-316SS	RT3$^{1}/_{2}$-L2$^{1}/_{2}$-2-NP	Consult Factory	Consult Factory	Consult Factory
5/32 / 4mm	3/32	1/8	RT3$^{1}/_{2}$-L2$^{1}/_{2}$-3	RT3$^{1}/_{2}$-L2$^{1}/_{2}$-3-SS	RT3$^{1}/_{2}$-L2$^{1}/_{2}$-3-316SS	RT3$^{1}/_{2}$-L2$^{1}/_{2}$-3-NP	Consult Factory	Consult Factory	Consult Factory
5/32 / 4mm	3/32	5/32 / 4mm	RT3$^{1}/_{2}$-L2$^{1}/_{2}$-3$^{1}/_{2}$	RT3$^{1}/_{2}$-L2$^{1}/_{2}$-3$^{1}/_{2}$-SS	RT3$^{1}/_{2}$-L2$^{1}/_{2}$-3$^{1}/_{2}$-316SS	RT3$^{1}/_{2}$-L2$^{1}/_{2}$-3$^{1}/_{2}$-NP	Consult Factory	Consult Factory	Consult Factory
5/32 / 4mm	1/8	1/16	RT3$^{1}/_{2}$-L3-1	RT3$^{1}/_{2}$-L3-1-SS	RT3$^{1}/_{2}$-L3-1-316SS	RT3$^{1}/_{2}$-L3-1-NP	Consult Factory	Consult Factory	Consult Factory

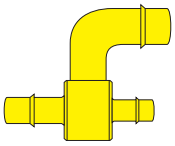
47 Parallel Run Reducing L-Tees (cont.) A

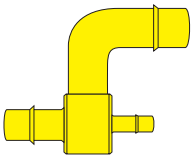
Tube ID			Part Numbers				Dimensions (Reference)		
9 O'clock	12 O'clock	3 O'clock	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
5/32 / 4mm	1/8	5/64 / 2mm	RT3 1/2-L3-2	RT3 1/2-L3-2-SS	RT3 1/2-L3-2-316SS	RT3 1/2-L3-2-NP	Consult Factory	Consult Factory	Consult Factory
5/32 / 4mm	1/8	3/32	RT3 1/2-L3-2 1/2	RT3 1/2-L3-2 1/2-SS	RT3 1/2-L3-2 1/2-316SS	RT3 1/2-L3-2 1/2-NP			
5/32 / 4mm	1/8	5/32 / 4mm	RT3 1/2-L3-3 1/2	RT3 1/2-L3-3 1/2-SS	RT3 1/2-L3-3 1/2-316SS	RT3 1/2-L3-3 1/2-NP			
5/32 / 4mm	5/32 / 4mm	1/16	RT3 1/2-L3 1/2-1	RT3 1/2-L3 1/2-1-SS	RT3 1/2-L3 1/2-1-316SS	RT3 1/2-L3 1/2-1-NP			
5/32 / 4mm	5/32 / 4mm	5/64 / 2mm	RT3 1/2-L3 1/2-2	RT3 1/2-L3 1/2-2-SS	RT3 1/2-L3 1/2-2-316SS	RT3 1/2-L3 1/2-2-NP			
5/32 / 4mm	5/32 / 4mm	3/32	RT3 1/2-L3 1/2-2 1/2	RT3 1/2-L3 1/2-2 1/2-SS	RT3 1/2-L3 1/2-2 1/2-316SS	RT3 1/2-L3 1/2-2 1/2-NP			
5/32 / 4mm	5/32 / 4mm	1/8	RT3 1/2-L3 1/2-3	RT3 1/2-L3 1/2-3-SS	RT3 1/2-L3 1/2-3-316SS	RT3 1/2-L3 1/2-3-NP			
5/32 / 4mm	.170	1/16	RT3 1/2-L4-1	RT3 1/2-L4-1-SS	RT3 1/2-L4-1-316SS	RT3 1/2-L4-1-NP			
5/32 / 4mm	.170	5/64 / 2mm	RT3 1/2-L4-2	RT3 1/2-L4-2-SS	RT3 1/2-L4-2-316SS	RT3 1/2-L4-2-NP			
5/32 / 4mm	.170	3/32	RT3 1/2-L4-2 1/2	RT3 1/2-L4-2 1/2-SS	RT3 1/2-L4-2 1/2-316SS	RT3 1/2-L4-2 1/2-NP			
5/32 / 4mm	.170	1/8	RT3 1/2-L4-3	RT3 1/2-L4-3-SS	RT3 1/2-L4-3-316SS	RT3 1/2-L4-3-NP			
5/32 / 4mm	.170	5/32 / 4mm	RT3 1/2-L4-3 1/2	RT3 1/2-L4-3 1/2-SS	RT3 1/2-L4-3 1/2-316SS	RT3 1/2-L4-3 1/2-NP			
5/32 / 4mm	3/16	1/16	RT3 1/2-L5-1	RT3 1/2-L5-1-SS	RT3 1/2-L5-1-316SS	RT3 1/2-L5-1-NP			
5/32 / 4mm	3/16	5/64 / 2mm	RT3 1/2-L5-2	RT3 1/2-L5-2-SS	RT3 1/2-L5-2-316SS	RT3 1/2-L5-2-NP			
5/32 / 4mm	3/16	3/32	RT3 1/2-L5-2 1/2	RT3 1/2-L5-2 1/2-SS	RT3 1/2-L5-2 1/2-316SS	RT3 1/2-L5-2 1/2-NP			
5/32 / 4mm	3/16	1/8	RT3 1/2-L5-3	RT3 1/2-L5-3-SS	RT3 1/2-L5-3-316SS	RT3 1/2-L5-3-NP			
5/32 / 4mm	3/16	5/32 / 4mm	RT3 1/2-L5-3 1/2	RT3 1/2-L5-3 1/2-SS	RT3 1/2-L5-3 1/2-316SS	RT3 1/2-L5-3 1/2-NP			
.170	1/16	1/16	RT4-L1-1	RT4-L1-1-SS	RT4-L1-1-316SS	RT4-L1-1-NP			
.170	1/16	5/64 / 2mm	RT4-L1-2	RT4-L1-2-SS	RT4-L1-2-316SS	RT4-L1-2-NP			
.170	1/16	3/32	RT4-L1-2 1/2	RT4-L1-2 1/2-SS	RT4-L1-2 1/2-316SS	RT4-L1-2 1/2-NP			
.170	1/16	1/8	RT4-L1-3	RT4-L1-3-SS	RT4-L1-3-316SS	RT4-L1-3-NP			
.170	1/16	5/32 / 4mm	RT4-L1-3 1/2	RT4-L1-3 1/2-SS	RT4-L1-3 1/2-316SS	RT4-L1-3 1/2-NP			
.170	1/16	.170	RT4-L1-4	RT4-L1-4-SS	RT4-L1-4-316SS	RT4-L1-4-NP			
.170	5/64 / 2mm	1/16	RT4-L2-1	RT4-L2-1-SS	RT4-L2-1-316SS	RT4-L2-1-NP			
.170	5/64 / 2mm	5/64 / 2mm	RT4-L2-2	RT4-L2-2-SS	RT4-L2-2-316SS	RT4-L2-2-NP			
.170	5/64 / 2mm	3/32	RT4-L2-2 1/2	RT4-L2-2 1/2-SS	RT4-L2-2 1/2-316SS	RT4-L2-2 1/2-NP			
.170	5/64 / 2mm	1/8	RT4-L2-3	RT4-L2-3-SS	RT4-L2-3-316SS	RT4-L2-3-NP			
.170	5/64 / 2mm	5/32 / 4mm	RT4-L2-3 1/2	RT4-L2-3 1/2-SS	RT4-L2-3 1/2-316SS	RT4-L2-3 1/2-NP			
.170	5/64 / 2mm	.170	RT4-L2-4	RT4-L2-4-SS	RT4-L2-4-316SS	RT4-L2-4-NP			
.170	3/32	1/16	RT4-L2 1/2-1	RT4-L2 1/2-1-SS	RT4-L2 1/2-1-316SS	RT4-L2 1/2-1-NP			
.170	3/32	5/64 / 2mm	RT4-L2 1/2-2	RT4-L2 1/2-2-SS	RT4-L2 1/2-2-316SS	RT4-L2 1/2-2-NP			
.170	3/32	1/8	RT4-L2 1/2-3	RT4-L2 1/2-3-SS	RT4-L2 1/2-3-316SS	RT4-L2 1/2-3-NP			
.170	3/32	5/32 / 4mm	RT4-L2 1/2-3 1/2	RT4-L2 1/2-3 1/2-SS	RT4-L2 1/2-3 1/2-316SS	RT4-L2 1/2-3 1/2-NP			
.170	3/32	.170	RT4-L2 1/2-4	RT4-L2 1/2-4-SS	RT4-L2 1/2-4-316SS	RT4-L2 1/2-4-NP			
.170	1/8	1/16	RT4-L3-1	RT4-L3-1-SS	RT4-L3-1-316SS	RT4-L3-1-NP			
.170	1/8	5/64 / 2mm	RT4-L3-2	RT4-L3-2-SS	RT4-L3-2-316SS	RT4-L3-2-NP			

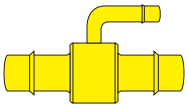


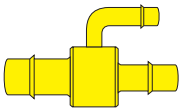

RT3 1/2-L3-3 1/2

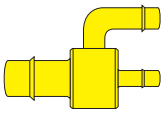

RT3 1/2-L3 1/2-3

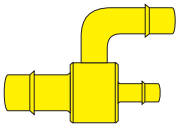

RT3-L4-2 1/2


RT3 1/2-L5-1


RT4-L1-4


RT4-L2-3


RT4-L2 1/2-1

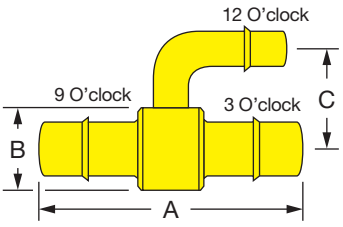

RT4-L3-2

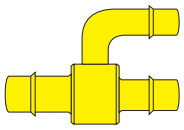
Continued on next page.

Smaller branch options available! Consult factory!

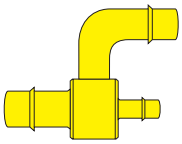
A

Parallel Run Reducing L-Tees (cont.) 48

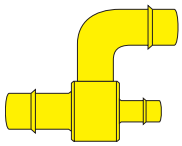




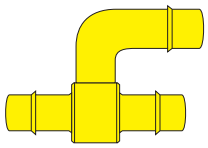
RT4-L3-3½



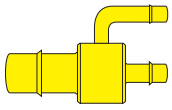
RT4-L3½-2



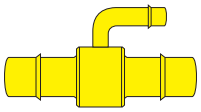
RT4-L4-2½



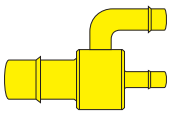
RT4-L5-4



RT5-L1-2



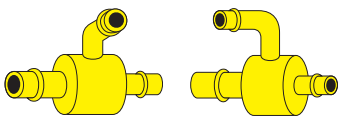
RT5-L2-5



RT5-L2½-1

Continued on next page.

12 o'clock branch can be placed at any degree increment!

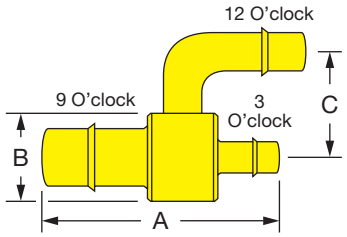


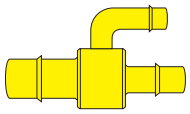
These are fixed locations; they do not swivel! Consult factory for details!

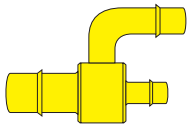
Tube ID			Part Numbers				Dimensions (Reference)		
9 O'clock	12 O'clock	3 O'clock	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
.170	1/8	3/32	RT4-L3-2½	RT4-L3-2½-SS	RT4-L3-2½-316SS	RT4-L3-2½-NP	Consult Factory	Consult Factory	Consult Factory
.170	1/8	1/8	RT4-L3-3	RT4-L3-3-SS	RT4-L3-3-316SS	RT4-L3-3-NP			
.170	1/8	5/32 / 4mm	RT4-L2½-3½	RT4-L2½-3½-SS	RT4-L2½-3½-316SS	RT4-L2½-3½-NP			
.170	1/8	.170	RT4-L3-4	RT4-L3-4-SS	RT4-L3-4-316SS	RT4-L3-4-NP			
.170	5/32 / 4mm	1/16	RT4-L3½-1	RT4-L3½-1-SS	RT4-L3½-1-316SS	RT4-L3½-1-NP			
.170	5/32 / 4mm	5/64 / 2mm	RT4-L3½-2	RT4-L3½-2-SS	RT4-L3½-2-316SS	RT4-L3½-2-NP			
.170	5/32 / 4mm	3/32	RT4-L3½-2½	RT4-L3½-2½-SS	RT4-L3½-2½-316SS	RT4-L3½-2½-NP			
.170	5/32 / 4mm	1/8	RT4-L3½-3	RT4-L3½-3-SS	RT4-L3½-3-316SS	RT4-L3½-3-NP			
.170	5/32 / 4mm	5/32 / 4mm	RT4-L3½-3½	RT4-L3½-3½-SS	RT4-L3½-3½-316SS	RT4-L3½-3½-NP			
.170	5/32 / 4mm	.170	RT4-L3½-4	RT4-L3½-4-SS	RT4-L3½-4-316SS	RT4-L3½-4-NP			
.170	.170	1/16	RT4-L4-1	RT4-L4-1-SS	RT4-L4-1-316SS	RT4-L4-1-NP			
.170	.170	5/64 / 2mm	RT4-L4-2	RT4-L4-2-SS	RT4-L4-2-316SS	RT4-L4-2-NP			
.170	.170	3/32	RT4-L4-2½	RT4-L4-2½-SS	RT4-L4-2½-316SS	RT4-L4-2½-NP			
.170	.170	1/8	RT4-L4-3	RT4-L4-3-SS	RT4-L4-3-316SS	RT4-L4-3-NP			
.170	.170	5/32 / 4mm	RT4-L4-3½	RT4-L4-3½-SS	RT4-L4-3½-316SS	RT4-L4-3½-NP			
.170	3/16	1/16	RT4-L5-1	RT4-L5-1-SS	RT4-L5-1-316SS	RT4-L5-1-NP			
.170	3/16	5/64 / 2mm	RT4-L5-2	RT4-L5-2-SS	RT4-L5-2-316SS	RT4-L5-2-NP			
.170	3/16	3/32	RT4-L5-2½	RT4-L5-2½-SS	RT4-L5-2½-316SS	RT4-L5-2½-NP			
.170	3/16	1/8	RT4-L5-3	RT4-L5-3-SS	RT4-L5-3-316SS	RT4-L5-3-NP			
.170	3/16	5/32 / 4mm	RT4-L5-3½	RT4-L5-3½-SS	RT4-L5-3½-316SS	RT4-L5-3½-NP			
.170	3/16	.170	RT4-L5-4	RT4-L5-4-SS	RT4-L5-4-316SS	RT4-L5-4-NP			
3/16	1/16	1/16	RT5-L1-1	RT5-L1-1-SS	RT5-L1-1-316SS	RT5-L1-1-NP			
3/16	1/16	5/64 / 2mm	RT5-L1-2	RT5-L1-2-SS	RT5-L1-2-316SS	RT5-L1-2-NP			
3/16	1/16	3/32	RT5-L1-2½	RT5-L1-2½-SS	RT5-L1-2½-316SS	RT5-L1-2½-NP			
3/16	1/16	1/8	RT5-L1-3	RT5-L1-3-SS	RT5-L1-3-316SS	RT5-L1-3-NP			
3/16	1/16	5/32 / 4mm	RT5-L1-3½	RT5-L1-3½-SS	RT5-L1-3½-316SS	RT5-L1-3½-NP			
3/16	1/16	.170	RT5-L1-4	RT5-L1-4-SS	RT5-L1-4-316SS	RT5-L1-4-NP			
3/16	1/16	3/16	RT5-L1-5	RT5-L1-5-SS	RT5-L1-5-316SS	RT5-L1-5-NP			
3/16	5/64 / 2mm	1/16	RT5-L2-1	RT5-L2-1-SS	RT5-L2-1-316SS	RT5-L2-1-NP			
3/16	5/64 / 2mm	5/64 / 2mm	RT5-L2-2	RT5-L2-2-SS	RT5-L2-2-316SS	RT5-L2-2-NP			
3/16	5/64 / 2mm	3/32	RT5-L2-2½	RT5-L2-2½-SS	RT5-L2-2½-316SS	RT5-L2-2½-NP			
3/16	5/64 / 2mm	1/8	RT5-L2-3	RT5-L2-3-SS	RT5-L2-3-316SS	RT5-L2-3-NP			
3/16	5/64 / 2mm	5/32 / 4mm	RT5-L2-3½	RT5-L2-3½-SS	RT5-L2-3½-316SS	RT5-L2-3½-NP			
3/16	5/64 / 2mm	.170	RT5-L2-4	RT5-L2-4-SS	RT5-L2-4-316SS	RT5-L2-4-NP			
3/16	5/64 / 2mm	3/16	RT5-L2-5	RT5-L2-5-SS	RT5-L2-5-316SS	RT5-L2-5-NP			
3/16	3/32	1/16	RT5-L2½-1	RT5-L2½-1-SS	RT5-L2½-1-316SS	RT5-L2½-1-NP			

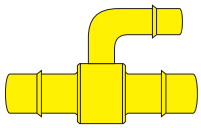
49 Parallel Run Reducing L-Tees (cont.) A

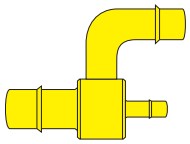
Tube ID			Part Numbers				Dimensions (Reference)		
9 O'clock	12 O'clock	3 O'clock	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
3/16	3/32	5/64 / 2mm	RT5-L2 1/2-2	RT5-L2 1/2-2-SS	RT5-L2 1/2-2-316SS	RT5-L2 1/2-2-NP	Consult Factory	Consult Factory	Consult Factory
3/16	3/32	1/8	RT5-L2 1/2-3	RT5-L2 1/2-3-SS	RT5-L2 1/2-3-316SS	RT5-L2 1/2-3-NP			
3/16	3/32	5/32 / 4mm	RT5-L2 1/2-3 1/2	RT5-L2 1/2-3 1/2-SS	RT5-L2 1/2-3 1/2-316SS	RT5-L2 1/2-3 1/2-NP			
3/16	3/32	.170	RT5-L2 1/2-4	RT5-L2 1/2-4-SS	RT5-L2 1/2-4-316SS	RT5-L2 1/2-4-NP			
3/16	3/32	3/16	RT5-L2 1/2-5	RT5-L2 1/2-5-SS	RT5-L2 1/2-5-316SS	RT5-L2 1/2-5-NP			
3/16	1/8	1/16	RT5-L3-1	RT5-L3-1-SS	RT5-L3-1-316SS	RT5-L3-1-NP			
3/16	1/8	5/64 / 2mm	RT5-L3-2	RT5-L3-2-SS	RT5-L3-2-316SS	RT5-L3-2-NP			
3/16	1/8	3/32	RT5-L3-2 1/2	RT5-L3-2 1/2-SS	RT5-L3-2 1/2-316SS	RT5-L3-2 1/2-NP			
3/16	1/8	1/8	RT5-L3-3	RT5-L3-3-SS	RT5-L3-3-316SS	RT5-L3-3-NP			
3/16	1/8	5/32 / 4mm	RT5-L3-3 1/2	RT5-L3-3 1/2-SS	RT5-L3-3 1/2-316SS	RT5-L3-3 1/2-NP			
3/16	1/8	.170	RT5-L3-4	RT5-L3-4-SS	RT5-L3-4-316SS	RT5-L3-4-NP			
3/16	1/8	3/16	RT5-L3-5	RT5-L3-5-SS	RT5-L3-5-316SS	RT5-L3-5-NP			
3/16	5/32 / 4mm	1/16	RT5-L3 1/2-1	RT5-L3 1/2-1-SS	RT5-L3 1/2-1-316SS	RT5-L3 1/2-1-NP			
3/16	5/32 / 4mm	5/64 / 2mm	RT5-L3 1/2-2	RT5-L3 1/2-2-SS	RT5-L3 1/2-2-316SS	RT5-L3 1/2-2-NP			
3/16	5/32 / 4mm	3/32	RT5-L3 1/2-2 1/2	RT5-L3 1/2-2 1/2-SS	RT5-L3 1/2-2 1/2-316SS	RT5-L3 1/2-2 1/2-NP			
3/16	5/32 / 4mm	1/8	RT5-L3 1/2-3	RT5-L3 1/2-3-SS	RT5-L3 1/2-3-316SS	RT5-L3 1/2-3-NP			
3/16	5/32 / 4mm	5/32 / 4mm	RT5-L3 1/2-3 1/2	RT5-L3 1/2-3 1/2-SS	RT5-L3 1/2-3 1/2-316SS	RT5-L3 1/2-3 1/2-NP			
3/16	5/32 / 4mm	.170	RT5-L3 1/2-4	RT5-L3 1/2-4-SS	RT5-L3 1/2-4-316SS	RT5-L3 1/2-4-NP			
3/16	5/32 / 4mm	3/16	RT5-L3 1/2-5	RT5-L3 1/2-5-SS	RT5-L3 1/2-5-316SS	RT5-L3 1/2-5-NP			
3/16	.170	1/16	RT5-L4-1	RT5-L4-1-SS	RT5-L4-1-316SS	RT5-L4-1-NP			
3/16	.170	5/64 / 2mm	RT5-L4-2	RT5-L4-2-SS	RT5-L4-2-316SS	RT5-L4-2-NP			
3/16	.170	3/32	RT5-L4-2 1/2	RT5-L4-2 1/2-SS	RT5-L4-2 1/2-316SS	RT5-L4-2 1/2-NP			
3/16	.170	1/8	RT5-L4-3	RT5-L4-3-SS	RT5-L4-3-316SS	RT5-L4-3-NP			
3/16	.170	5/32 / 4mm	RT5-L4-3 1/2	RT5-L4-3 1/2-SS	RT5-L4-3 1/2-316SS	RT5-L4-3 1/2-NP			
3/16	.170	.170	RT5-L4-4	RT5-L4-4-SS	RT5-L4-4-316SS	RT5-L4-4-NP			
3/16	.170	3/16	RT5-L4-5	RT5-L4-5-SS	RT5-L4-5-316SS	RT5-L4-5-NP			
3/16	3/16	1/16	RT5-L5-1	RT5-L5-1-SS	RT5-L5-1-316SS	RT5-L5-1-NP			
3/16	3/16	5/64 / 2mm	RT5-L5-2	RT5-L5-2-SS	RT5-L5-2-316SS	RT5-L5-2-NP			
3/16	3/16	3/32	RT5-L5-2 1/2	RT5-L5-2 1/2-SS	RT5-L5-2 1/2-316SS	RT5-L5-2 1/2-NP			
3/16	3/16	1/8	RT5-L5-3	RT5-L5-3-SS	RT5-L5-3-316SS	RT5-L5-3-NP			
3/16	3/16	5/32 / 4mm	RT5-L5-3 1/2	RT5-L5-3 1/2-SS	RT5-L5-3 1/2-316SS	RT5-L5-3 1/2-NP			
3/16	3/16	.170	RT5-L5-4	RT5-L5-4-SS	RT5-L5-4-316SS	RT5-L5-4-NP			

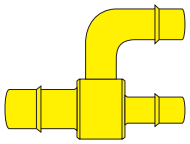


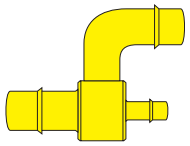

RT5-L2 1/2-3

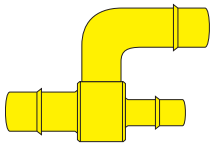

RT5-L3-2 1/2


RT5-L3-5


RT5-L3 1/2-1

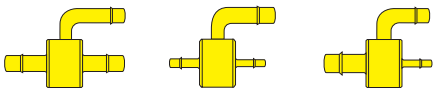

RT5-L3 1/2-3


RT5-L4-2


RT5-L5-3

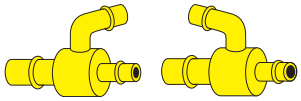
Note: *Images are for visual representation only; not intended for dimensional measurements.*

Smaller branch sizes available!



Consult factory for details!

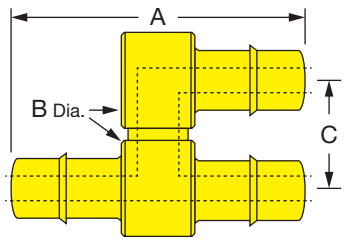
12 o'clock branch can be placed at any degree increment!

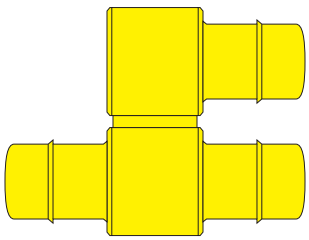


These branches do not swivel!

A

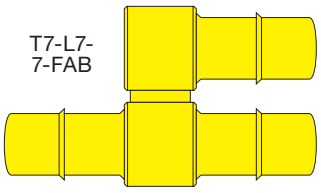
Fabricated Parallel Run L-Tees 50



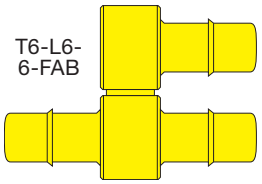


T8-L8-8-FAB

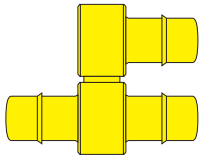
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
3/16	T5-L5-5-FAB	T5-L5-5-FAB-SS	T5-L5-5-FAB-316SS	T5-L5-5-FAB-NP	Consult Factory		
7/32	T5 1/2-L5 1/2-5 1/2-FAB	T5 1/2-L5 1/2-5 1/2-FAB-SS	T5 1/2-L5 1/2-5 1/2-FAB-316SS	T5 1/2-L5 1/2-5 1/2-FAB-NP	Consult Factory		
6mm	T5 3/4-L5 3/4-5 3/4-FAB	T5 3/4-L5 3/4-5 3/4-FAB-SS	T5 3/4-L5 3/4-5 3/4-FAB-316SS	T5 3/4-L5 3/4-5 3/4-FAB-NP	Consult Factory		
1/4	T6-L6-6-FAB	T6-L6-6-FAB-SS	T6-L6-6-FAB-316SS	T6-L6-6-FAB-NP	1 5/16	7/16	15/32
5/16 / 8mm	T7-L7-7-FAB	T7-L7-7-FAB-SS	T7-L7-7-FAB-316SS	T7-L7-7-FAB-NP	Consult Factory		
3/8	T8-L8-8-FAB	T8-L8-8-FAB-SS	T8-L8-8-FAB-316SS	T8-L8-8-FAB-NP	Consult Factory		
1/2	T10-L10-10-FAB	T10-L10-10-FAB-SS	T10-L10-10-FAB-316SS	T10-L10-10-FAB-NP	Consult Factory		
5/8	T11-L11-11-FAB	T11-L11-11-FAB-SS	T11-L11-11-FAB-316SS	T11-L11-11-FAB-NP	Consult Factory		
3/4	T12-L12-12-FAB	T12-L12-12-FAB-SS	T12-L12-12-FAB-316SS	T12-L12-12-FAB-NP	Consult Factory		



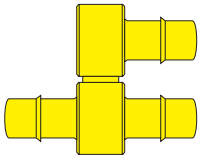
T7-L7-7-FAB



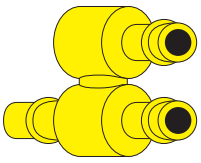
T6-L6-6-FAB



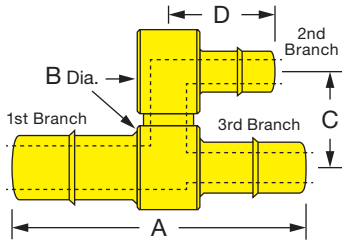
T5 1/2-L5 1/2-5 1/2-FAB



T5-L5-5-FAB



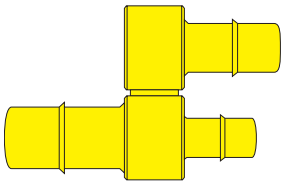
Fabricated Parallel Run Reducing L-Tees 51



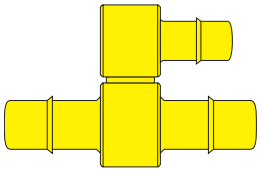
Branches		Dimensions (Reference)			
Tube ID	Branch #	A Ref.	B Dia.	C Ref.	D Ref.
3/16	5	Consult Factory			
7/32	5 1/2	Consult Factory			
6mm	5 3/4	Consult Factory			

Branches		Dimensions (Reference)			
Tube ID	Branch #	A Ref.	B Dia.	C Ref.	D Ref.
1/4	6	Consult Factory			
5/16 / 8mm	7	Consult Factory			
3/8	8	Consult Factory			

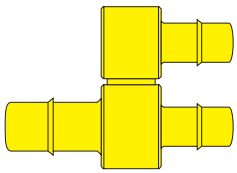
Branches		Dimensions (Reference)			
Tube ID	Branch #	A Ref.	B Dia.	C Ref.	D Ref.
1/2	10	Consult Factory			
5/8	11	Consult Factory			
3/4	12	Consult Factory			



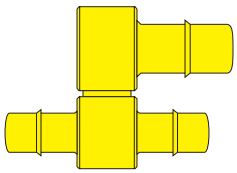
RT7-L6-5-FAB



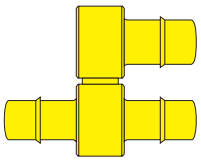
RT6-L5-6-FAB



RT6-L5-5-FAB



RT5-L6-5-FAB



RT5-L5 1/2-5-FAB

Part Numbers for Reducing Fabricated Parallel Run L-Tees:

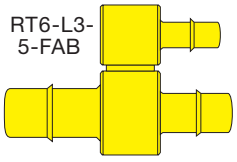
Fitting Series → **RT** **#** - **L** **#** - **#** - **FAB** ← Fabricated Indicator

= 1st Branch #; **L** = Elbow Indicator; **#** = 2nd Branch #; **#** = 3rd Branch

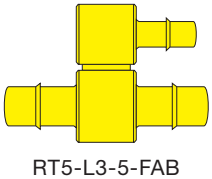
Unless otherwise specified, parts will be Brass. To order other materials, add the following codes:

-SS = Stainless Steel 303
-316SS = Stainless Steel 316
-NP = Electroless Nickel Plate

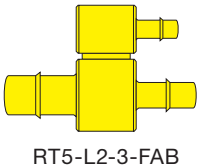
Smaller branch sizes available! Many configurations are possible! Consult factory for details!



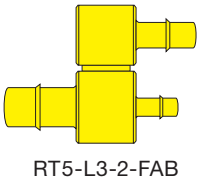
RT6-L3-5-FAB



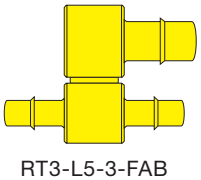
RT5-L3-5-FAB



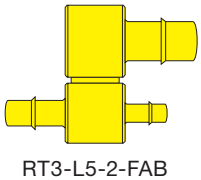
RT5-L2-3-FAB



RT5-L3-2-FAB



RT3-L5-3-FAB

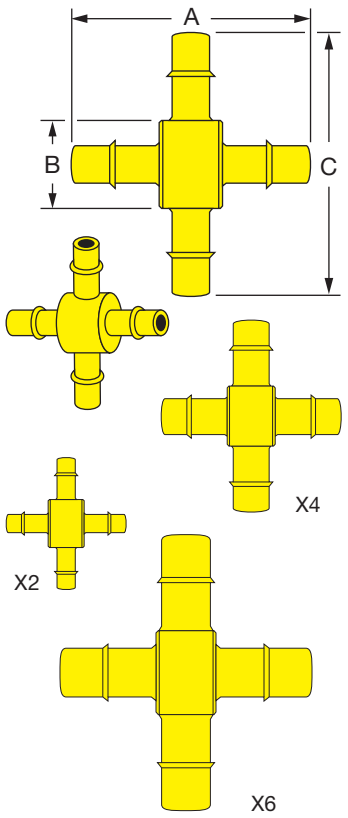


RT3-L5-2-FAB

52 Crosses

A

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
1/16	X1	X1-SS	X1-316SS	X1-NP	5/8	1/4	11/16
5/64 / 2mm	X2	X2-SS	X2-316SS	X2-NP	5/8	1/4	11/16
3/32	X2 1/2	X2 1/2-SS	X2 1/2-316SS	X2 1/2-NP	41/64	9/32	11/16
1/8	X3	X3-SS	X3-316SS	X3-NP	27/32	5/16	15/16
5/32 / 4mm	X3 1/2	X3 1/2-SS	X3 1/2-316SS	X3 1/2-NP	27/32	5/16	15/16
.170	X4	X4-SS	X4-316SS	X4-NP	15/16	5/16	1.00
3/16	X5	X5-SS	X5-316SS	X5-NP	1.00	3/8	1 1/8
7/32	X5 1/2	X5 1/2-SS	X5 1/2-316SS	X5 1/2-NP	1.00	3/8	1 1/8
6mm	X5 3/4	X5 3/4-SS	X5 3/4-316SS	X5 3/4-NP	1 5/16	7/16	1 7/16
1/4	X6	X6-SS	X6-316SS	X6-NP	1 5/16	7/16	1 7/16
5/16 / 8mm	X7	X7-SS	X7-316SS	X7-NP	1 21/32	5/8	1 7/8
3/8	X8	X8-SS	X8-316SS	X8-NP	1 33/64	5/8	1 11/16
1/2	X10	X10-SS	X10-316SS	X10-NP	2 1/16	3/4	2 1/8
5/8	X11	X11-SS	X11-316SS	X11-NP	2 1/8	1 1/8	2 1/4
3/4	X12	X12-SS	X12-316SS	X12-NP	2 1/8	1 1/8	2 1/4

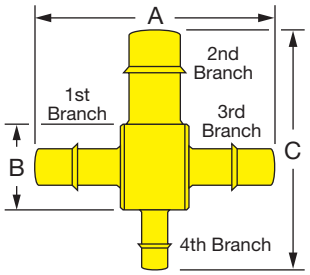


53 Reducing Crosses

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Ref.	C Dia.
1/16	1	Consult Factory	Consult Factory	Consult Factory
5/64 / 2mm	2			
3/32	2 1/2			
1/8	3			
5/32 / 4mm	3 1/2			

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Ref.	C Dia.
.170	4	Consult Factory	Consult Factory	Consult Factory
3/16	5			
7/32	5 1/2			
6mm	5 3/4			
1/4	6			

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Ref.	C Dia.
5/16 / 8mm	7	Consult Factory	Consult Factory	Consult Factory
3/8	8			
1/2	10			
5/8	11			
3/4	12			

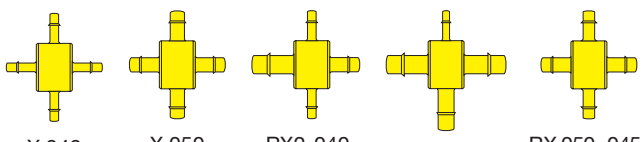


Part Numbers for Reducing Crosses:

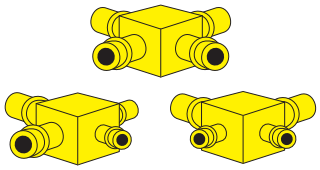
Fitting Series → **RX** **#** (1st Branch #) **-** **#** (2nd Branch #) **#** (3rd Branch #) **-** **#** (4th Branch #)

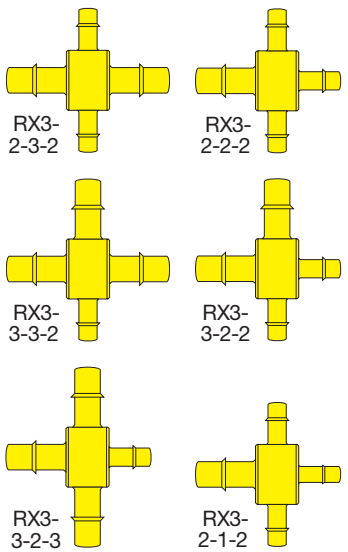
Unless otherwise specified, parts will be Brass. To order other materials, use the following codes:
-SS = Stainless Steel 303 **-316SS** = Stainless Steel 316 **-NP** = Electroless Nickel Plate

Smaller branch sizes available! Consult factory for details!



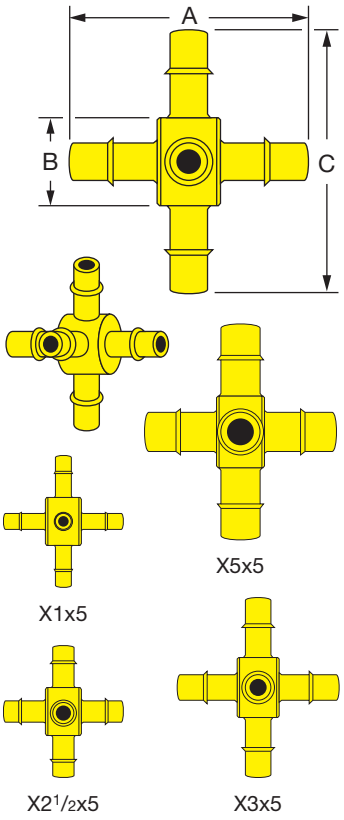
NEW: Square Body Crosses! See page 519 for details!





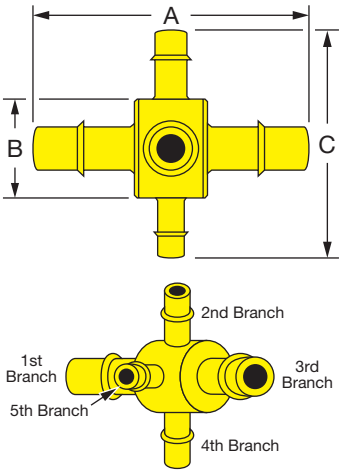
A

Five Branch Crosses 54



Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
1/16	X1x5	X1x5-SS	X1x5-316SS	X1x5-NP	5/8	1/4	11/16
5/64 / 2mm	X2x5	X2x5-SS	X2x5-316SS	X2x5-NP	5/8	1/4	11/16
3/32	X2 1/2x5	X2 1/2x5-SS	X2 1/2x5-316SS	X2 1/2x5-NP	41/64	9/32	11/16
1/8	X3x5	X3x5-SS	X3x5-316SS	X3x5-NP	27/32	5/16	15/16
5/32 / 4mm	X3 1/2x5	X3 1/2x5-SS	X3 1/2x5-316SS	X3 1/2x5-NP	27/32	5/16	15/16
.170	X4x5	X4x5-SS	X4x5-316SS	X4x5-NP	15/16	5/16	1 1/8
3/16	X5x5	X5x5-SS	X5x5-316SS	X5x5-NP	1.00	3/8	1 1/16
7/32	X5 1/2x5	X5 1/2x5-SS	X5 1/2x5-316SS	X5 1/2x5-NP	1.00	3/8	1 1/16
6mm	X5 3/4x5	X5 3/4x5-SS	X5 3/4x5-316SS	X5 3/4x5-NP	1 5/16	3/8	1 7/16
1/4	X6x5	X6x5-SS	X6x5-316SS	X6x5-NP	1 5/16	7/16	1 7/16
5/16 / 8mm	X7x5	X7x5-SS	X7x5-316SS	X7x5-NP	1 21/32	5/8	1 7/8
3/8	X8x5	X8x5-SS	X8x5-316SS	X8x5-NP	1 33/64	5/8	1 11/16
1/2	X10x5	X10x5-SS	X10x5-316SS	X10x5-NP	2 1/16	3/4	2 1/8
5/8	X11x5	X11x5-SS	X11x5-316SS	X11x5-NP	2 1/8	1 1/8	2 1/4
3/4	X12x5	X12x5-SS	X12x5-316SS	X12x5-NP	2 1/8	1 1/8	2 1/4

Five Branch Reducing Crosses 55



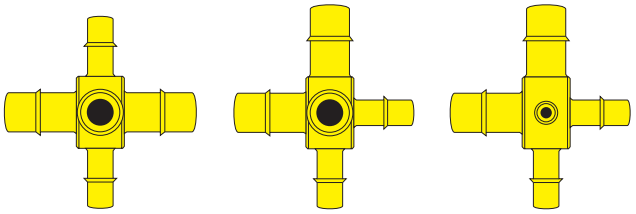
Smaller branch sizes available! Consult factory for details!

Note: *Part numbers may vary and should be confirmed by factory prior to ordering.*

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Ref.	C Dia.
1/16	1	Consult Factory	Consult Factory	Consult Factory
5/64 / 2mm	2			
3/32	2 1/2			
1/8	3			
5/32 / 4mm	3 1/2			

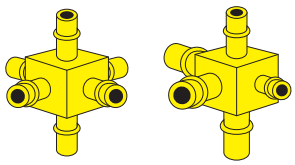
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Ref.	C Dia.
.170	4	Consult Factory	Consult Factory	Consult Factory
3/16	5			
7/32	5 1/2			
6mm	5 3/4			
1/4	6			

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Ref.	C Dia.
5/16 / 8mm	7	Consult Factory	Consult Factory	Consult Factory
3/8	8			
1/2	10			
5/8	11			
3/4	12			



RX5-3-5-3-5 RX5-5-3-3-5 RX5-5-3-3-2

NEW: Square Body 5 Branch Crosses! See page 520!



Part Numbers for Five Branch Reducing Crosses:

Fitting Series → RX # - # - # - # - # ← 5th Branch #

1st Branch # | 2nd Branch # | 3rd Branch # | 4th Branch #

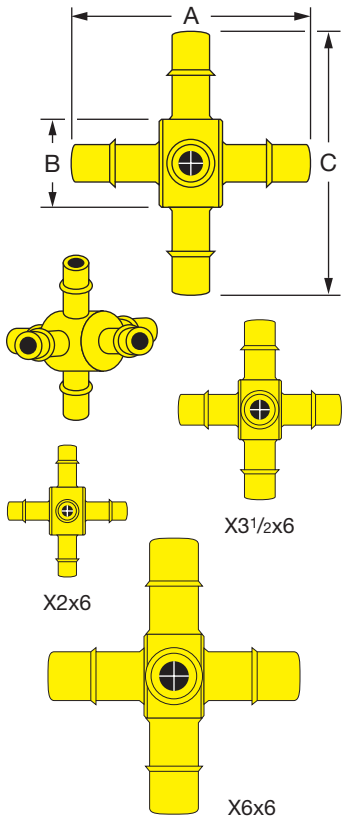
Unless otherwise specified, parts will be Brass. To order other materials, please add the following codes to the part number:

-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

56 Six Branch Crosses

A

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
1/16	X1x6	X1x6-SS	X1x6-316SS	X1x6-NP	5/8	1/4	11/16
5/64 / 2mm	X2x6	X2x6-SS	X2x6-316SS	X2x6-NP	5/8	1/4	11/16
3/32	X2 1/2x6	X2 1/2x6-SS	X2 1/2x6-316SS	X2 1/2x6-NP	41/64	9/32	11/16
1/8	X3x6	X3x6-SS	X3x6-316SS	X3x6-NP	27/32	5/16	15/16
5/32 / 4mm	X3 1/2x6	X3 1/2x6-SS	X3 1/2x6-316SS	X3 1/2x6-NP	27/32	5/16	15/16
.170	X4x6	X4x6-SS	X4x6-316SS	X4x6-NP	15/16	5/16	1 1/8
3/16	X5x6	X5x6-SS	X5x6-316SS	X5x6-NP	1.00	3/8	1 1/16
7/32	X5 1/2x6	X5 1/2x6-SS	X5 1/2x6-316SS	X5 1/2x6-NP	1.00	3/8	1 1/16
6mm	X5 3/4x6	X5 3/4x6-SS	X5 3/4x6-316SS	X5 3/4x6-NP	1 5/16	3/8	1 7/16
1/4	X6x6	X6x6-SS	X6x6-316SS	X6x6-NP	1 5/16	3/8	1 7/16
5/16 / 8mm	X7x6	X7x6-SS	X7x6-316SS	X7x6-NP	1 21/32	5/8	1 7/8
3/8	X8x6	X8x6-SS	X8x6-316SS	X8x6-NP	1 33/64	5/8	1 11/16
1/2	X10x6	X10x6-SS	X10x6-316SS	X10x6-NP	2 1/16	3/4	2 1/8
5/8	X11x6	X11x6-SS	X11x6-316SS	X11x6-NP	2 1/8	1 1/8	2 1/4
3/4	X12x6	X12x6-SS	X12x6-316SS	X12x6-NP	2 1/8	1 1/8	2 1/4

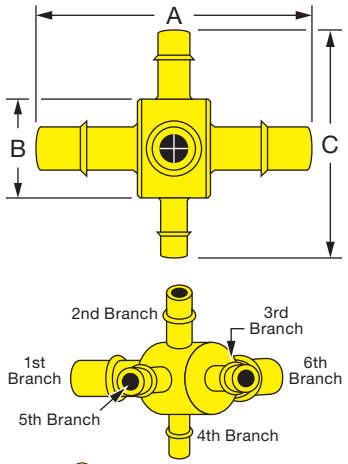


57 Six Branch Reducing Crosses

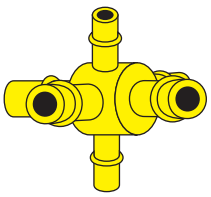
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Ref.	C Dia.
1/16	1	Consult Factory	Consult Factory	Consult Factory
5/64 / 2mm	2			
3/32	2 1/2			
1/8	3			
5/32 / 4mm	3 1/2			

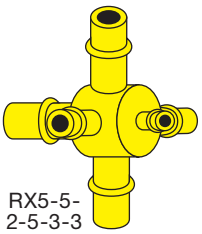
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Ref.	C Dia.
.170	4	Consult Factory	Consult Factory	Consult Factory
3/16	5			
7/32	5 1/2			
6mm	5 3/4			
1/4	6			

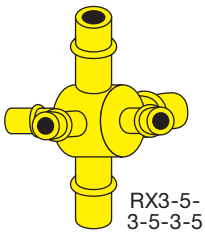
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Ref.	C Dia.
5/16 / 8mm	7	Consult Factory	Consult Factory	Consult Factory
3/8	8			
1/2	10			
5/8	11			
3/4	12			

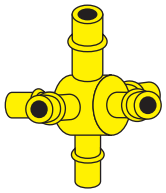


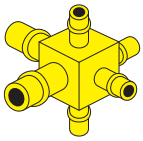
Smaller Branch sizes available! Consult factory for details!


RX5-3-5-3-5-3


RX5-5-2-5-3-3


RX3-5-3-5-3-5


RX3-5-3-3-3-3



NEW: Square Body 6 Branch Crosses! Consult factory for details!

Part Numbers for Six Branch Reducing Crosses:

Fitting Series → **RX** # - # - # - # - # - # ← 6th Branch #

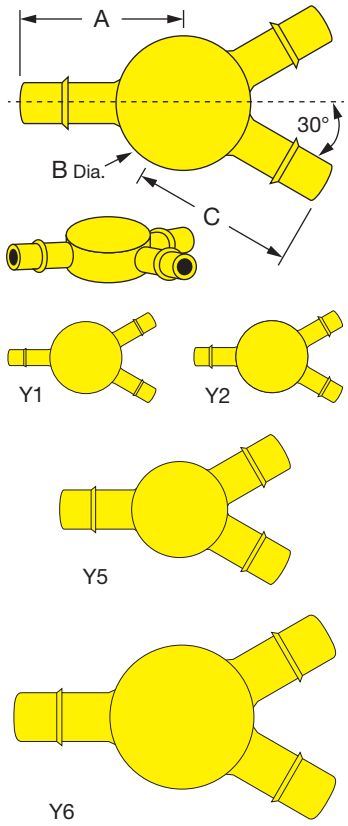
1st Branch # | 2nd Branch # | 3rd Branch # | 4th Branch # | 5th Branch #

Unless otherwise specified, parts will be Brass. To order other materials, please add the following codes to the part number:

-SS = Stainless Steel 303 **-316SS** = Stainless Steel 316 **-NP** = Electroless Nickel Plate

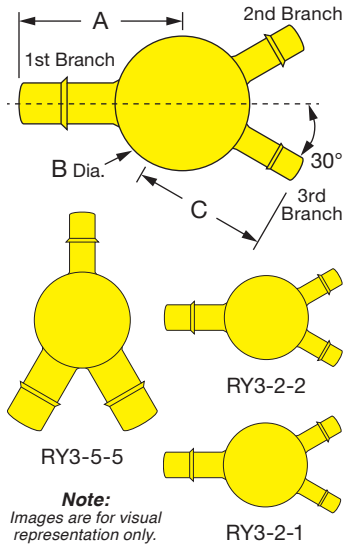
A

Y Fittings 58



Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
1/16	Y1	Y1-SS	Y1-316SS	Y1-NP	15/32	3/8	15/32
5/64 / 2mm	Y2	Y2-SS	Y2-316SS	Y2-NP	15/32	3/8	15/32
3/32	Y2 1/2	Y2 1/2-SS	Y2 1/2-316SS	Y2 1/2-NP	15/32	3/8	15/32
1/8	Y3	Y3-SS	Y3-316SS	Y3-NP	17/32	7/16	17/32
5/32 / 4mm	Y3 1/2	Y3 1/2-SS	Y3 1/2-316SS	Y3 1/2-NP	9/16	1/2	9/16
.170	Y4	Y4-SS	Y4-316SS	Y4-NP	19/32	1/2	19/32
3/16	Y5	Y5-SS	Y5-316SS	Y5-NP	5/8	1/2	5/8
7/32	Y5 1/2	Y5 1/2-SS	Y5 1/2-316SS	Y5 1/2-NP	5/8	1/2	5/8
6mm	Y5 3/4	Y5 3/4-SS	Y5 3/4-316SS	Y5 3/4-NP	7/8	3/4	7/8
1/4	Y6	Y6-SS	Y6-316SS	Y6-NP	7/8	3/4	7/8
5/16 / 8mm	Y7	Y7-SS	Y7-316SS	Y7-NP	1 1/8	3/4	1 1/8
3/8	Y8	Y8-SS	Y8-316SS	Y8-NP	1 1/32	1	1 1/32
1/2	Y10	Y10-SS	Y10-316SS	Y10-NP	1 3/8	1 1/4	1 3/8
5/8	Y11	Y11-SS	Y11-316SS	Y11-NP	*Consult Factory*		
3/4	Y12	Y12-SS	Y12-316SS	Y12-NP	*Consult Factory*		

Reducing Y Fittings 59

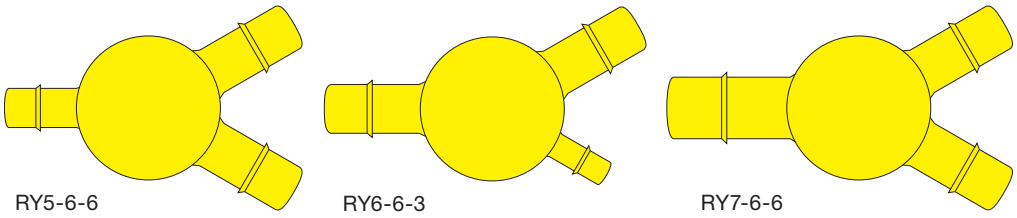


Note:
Images are for visual representation only.

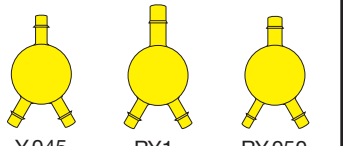
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Dia.	C Ref.
1/16	1	*Consult Factory*		
5/64 / 2mm	2			
3/32	2 1/2			
1/8	3			
5/32 / 4mm	3 1/2			

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Dia.	C Ref.
.170	4	*Consult Factory*		
3/16	5			
7/32	5 1/2			
6mm	5 3/4			
1/4	6			

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Dia.	C Ref.
5/16 / 8mm	7	*Consult Factory*		
3/8	8			
1/2	10			
5/8	11			
3/4	12			



Smaller branch sizes available!



Consult factory for details!

Part Numbers for Reducing Y Fittings:

Fitting Series → **RY** # - # - # ← 3rd Branch #

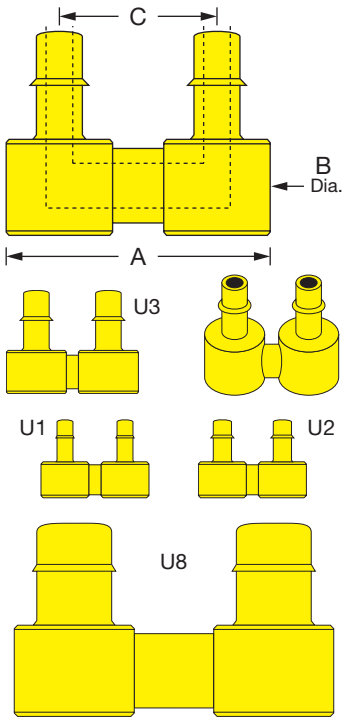
1st Branch # ↑ 2nd Branch # ↑

Unless otherwise specified, parts will be Brass. To order other materials, use the following codes:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

60 Fabricated Close Quarter U Fitting with Stem Bridge

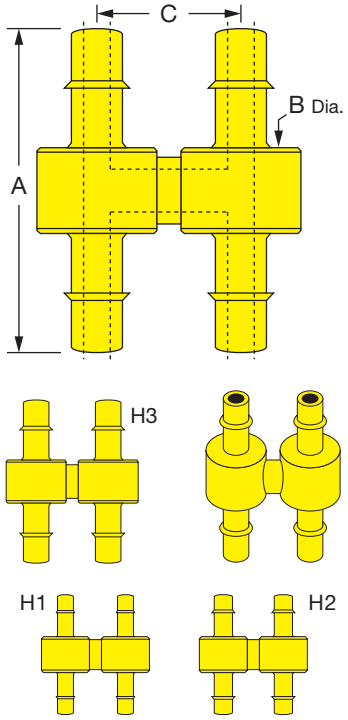
A

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
1/16	U1	U1-SS	U1-316SS	U1-NP	Consult Factory	Consult Factory	Consult Factory
5/64 / 2mm	U2	U2-SS	U2-316SS	U2-NP			
3/32	U2 1/2	U2 1/2-SS	U2 1/2-316SS	U2 1/2-NP			
1/8	U3	U3-SS	U3-316SS	U3-NP			
5/32 / 4mm	U3 1/2	U3 1/2-SS	U3 1/2-316SS	U3 1/2-NP			
.170	U4	U4-SS	U4-316SS	U4-NP			
3/16	U5	U5-SS	U5-316SS	U5-NP			
7/32	U5 1/2	U5 1/2-SS	U5 1/2-316SS	U5 1/2-NP			
6mm	U5 3/4	U5 3/4-SS	U5 3/4-316SS	U5 3/4-NP			
1/4	U6	U6-SS	U6-316SS	U6-NP			
5/16 / 8mm	U7	U7-SS	U7-316SS	U7-NP			
3/8	U8	U8-SS	U8-316SS	U8-NP	1.664	3/8	1.039
1/2	U10	U10-SS	U10-316SS	U10-NP	Consult Factory		

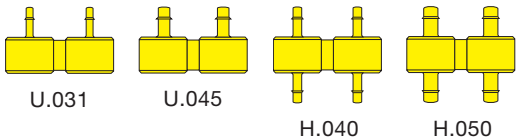


61 Parallel Run Combinations - H Fittings

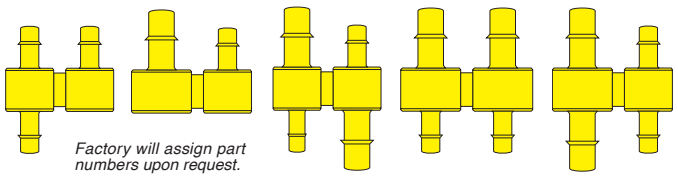
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
1/16	H1	H1-SS	H1-316SS	H1-NP	Consult Factory	Consult Factory	Consult Factory
5/64 / 2mm	H2	H2-SS	H2-316SS	H2-NP			
3/32	H2 1/2	H2 1/2-SS	H2 1/2-316SS	H2 1/2-NP			
1/8	H3	H3-SS	H3-316SS	H3-NP			
5/32 / 4mm	H3 1/2	H3 1/2-SS	H3 1/2-316SS	H3 1/2-NP			
.170	H4	H4-SS	H4-316SS	H4-NP			
3/16	H5	H5-SS	H5-316SS	H5-NP			
7/32	H5 1/2	H5 1/2-SS	H5 1/2-316SS	H5 1/2-NP			
6mm	H5 3/4	H5 3/4-SS	H5 3/4-316SS	H5 3/4-NP			
1/4	H6	H6-SS	H6-316SS	H6-NP	1 5/16	7/16	15/32
5/16 / 8mm	H7	H7-SS	H7-316SS	H7-NP	Consult Factory		
3/8	H8	H8-SS	H8-316SS	H8-NP	Consult Factory		
1/2	H10	H10-SS	H10-316SS	H10-NP	Consult Factory		



Smaller branches available for U & H Fittings!



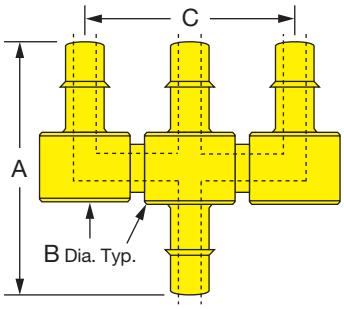
Reducing & Custom options available! Consult factory!

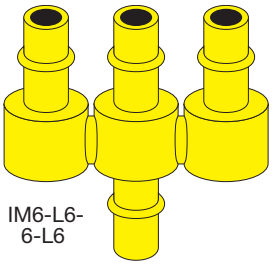


Factory will assign part numbers upon request.

A

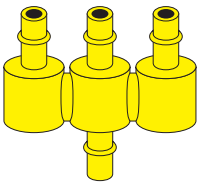
In-Line Manifold Parallel Run Combinations 62





IM6-L6-6-L6

Smaller branch sizes available!

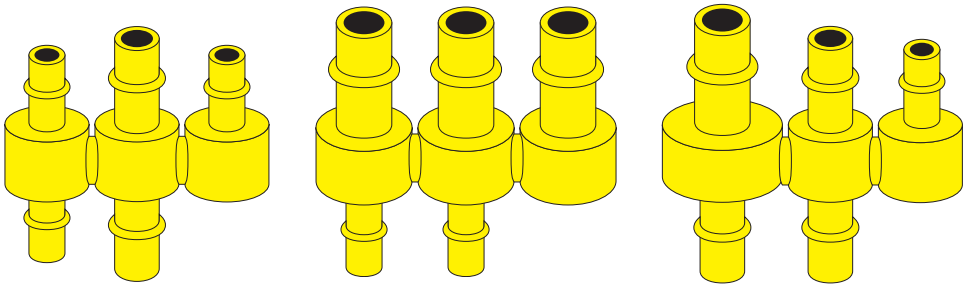


IM3-L3-3-L3

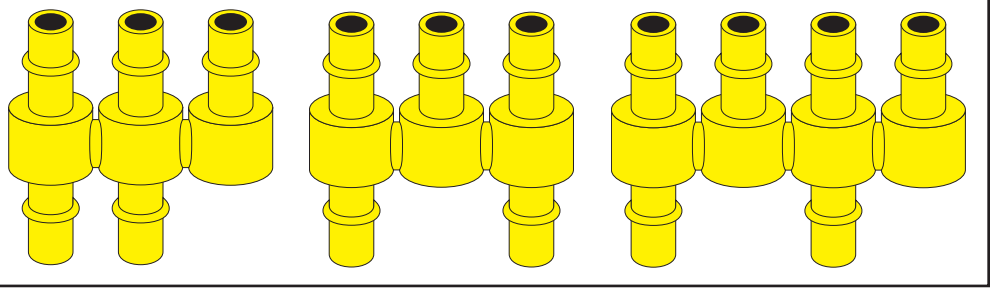
Consult factory for details!

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
3/16	IM5-L5-5-L5	IM5-L5-5-L5-SS	IM5-L5-5-L5-316SS	IM5-L5-5-L5-NP	1 5/16	7/16	15/16
7/32	IM5 1/2-L5 1/2-5 1/2-L5 1/2	IM5 1/2-L5 1/2-5 1/2-L5 1/2-SS	IM5 1/2-L5 1/2-5 1/2-L5 1/2-316SS	IM5 1/2-L5 1/2-5 1/2-L5 1/2-NP	1 5/16	7/16	15/16
6mm	IM5 3/4-L5 3/4-5 3/4-L5 3/4	IM5 3/4-L5 3/4-5 3/4-L5 3/4-SS	IM5 3/4-L5 3/4-5 3/4-L5 3/4-316SS	IM5 3/4-L5 3/4-5 3/4-L5 3/4-NP	1 5/16	7/16	15/16
1/4	IM6-L6-6-L6	IM6-L6-6-L6-SS	IM6-L6-6-L6-316SS	IM6-L6-6-L6-NP	1 5/16	7/16	15/16
5/16 / 8mm	IM7-L7-7-L7	IM7-L7-7-L7-SS	IM7-L7-7-L7-316SS	IM7-L7-7-L7-NP	Consult Factory		Consult Factory
3/8	IM8-L8-8-L8	IM8-L8-8-L8-SS	IM8-L8-8-L8-316SS	IM8-L8-8-L8-NP			
1/2	IM10-L10-10-L10	IM10-L10-10-L10-SS	IM10-L10-10-L10-316SS	IM10-L10-10-L10-NP			
5/8	IM11-L11-11-L11	IM11-L11-11-L11-SS	IM11-L11-11-L11-316SS	IM11-L11-11-L11-NP			
3/4	IM12-L12-12-L12	IM12-L12-12-L12-SS	IM12-L12-12-L12-316SS	IM12-L12-12-L12-NP			

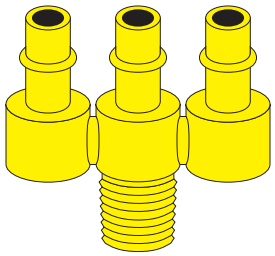
Reducing In-Line Manifold Parallel Run options available! Consult factory for details!



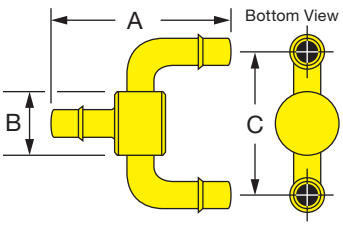
Custom Parallel Run Manifolds available! Numerous combinations possible!

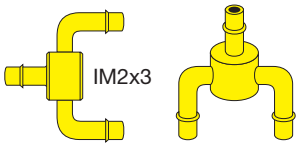


Male Thread options available!



In-Line Manifolds - Two L-Branches 63



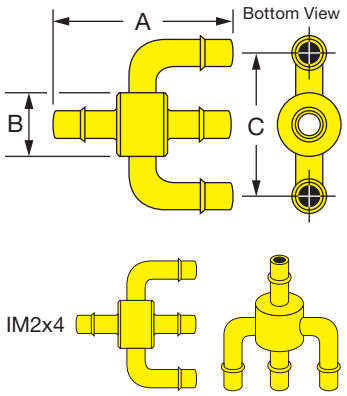


Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
1/16	IM1x3	IM1x3-SS	IM1x3-316SS	IM1x3-NP	Consult Factory	1/4	Consult Factory
5/64 / 2mm	IM2x3	IM2x3-SS	IM2x3-316SS	IM2x3-NP		1/4	
3/32	IM2 1/2x3	IM2 1/2x3-SS	IM2 1/2x3-316SS	IM2 1/2x3-NP		1/4	
1/8	IM3x3	IM3x3-SS	IM3x3-316SS	IM3x3-NP		5/16	
5/32 / 4mm	IM3 1/2x3	IM3 1/2x3-SS	IM3 1/2x3-316SS	IM3 1/2x3-NP		5/16	
.170	IM4x3	IM4x3-SS	IM4x3-316SS	IM4x3-NP		5/16	

A

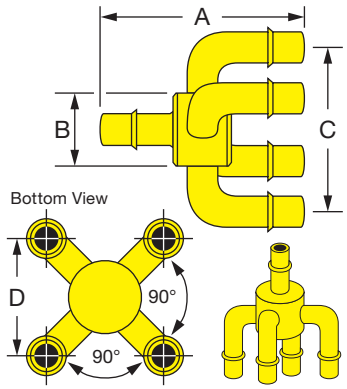
64 In-Line Manifolds - Three Outlet Branches (Two L Branches)

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
1/16	IM1x4	IM1x4-SS	IM1x4-316SS	IM1x4-NP	Consult Factory	1/4	Consult Factory
5/64 / 2mm	IM2x4	IM2x4-SS	IM2x4-316SS	IM2x4-NP		1/4	
3/32	IM2 1/2x4	IM2 1/2x4-SS	IM2 1/2x4-316SS	IM2 1/2x4-NP		1/4	
1/8	IM3x4	IM3x4-SS	IM3x4-316SS	IM3x4-NP		5/16	
5/32 / 4mm	IM3 1/2x4	IM3 1/2x4-SS	IM3 1/2x4-316SS	IM3 1/2x4-NP		5/16	
.170	IM4x4	IM4x4-SS	IM4x4-316SS	IM4x4-NP		5/16	



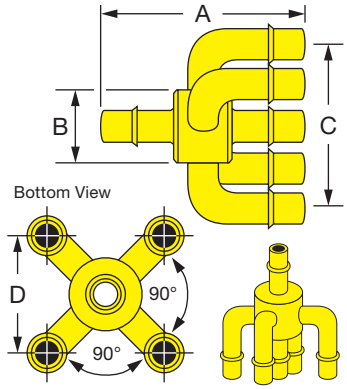
65 In-Line Manifolds - Four L Branches

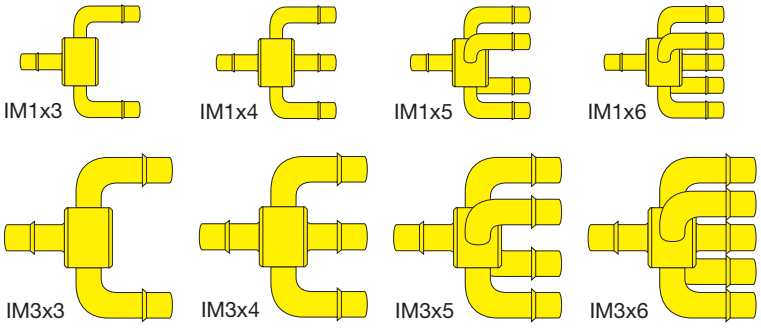
Tube ID	Part Numbers				Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.	D Ref.
1/16	IM1x5	IM1x5-SS	IM1x5-316SS	IM1x5-NP	Consult Factory	1/4	Consult Factory	Consult Factory
5/64 / 2mm	IM2x5	IM2x5-SS	IM2x5-316SS	IM2x5-NP		1/4		
3/32	IM2 1/2x5	IM2 1/2x5-SS	IM2 1/2x5-316SS	IM2 1/2x5-NP		1/4		
1/8	IM3x5	IM3x5-SS	IM3x5-316SS	IM3x5-NP		5/16		
5/32 / 4mm	IM3 1/2x5	IM3 1/2x5-SS	IM3 1/2x5-316SS	IM3 1/2x5-NP		5/16		
.170	IM4x5	IM4x5-SS	IM4x5-316SS	IM4x5-NP		5/16		



66 In-Line Manifolds - Five Outlet Branches (Four L Branches)

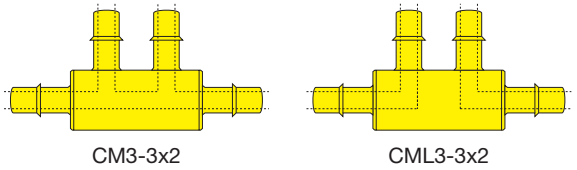
Tube ID	Part Numbers				Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Ref.	C Ref.	D Ref.
1/16	IM1x6	IM1x6-SS	IM1x6-316SS	IM1x6-NP	Consult Factory	1/4	Consult Factory	Consult Factory
5/64 / 2mm	IM2x6	IM2x6-SS	IM2x6-316SS	IM2x6-NP		1/4		
3/32	IM2 1/2x6	IM2 1/2x6-SS	IM2 1/2x6-316SS	IM2 1/2x6-NP		1/4		
1/8	IM3x6	IM3x6-SS	IM3x6-316SS	IM3x6-NP		5/16		
5/32 / 4mm	IM3 1/2x6	IM3 1/2x6-SS	IM3 1/2x6-316SS	IM3 1/2x6-NP		5/16		
.170	IM4x6	IM4x6-SS	IM4x6-316SS	IM4x6-NP		5/16		





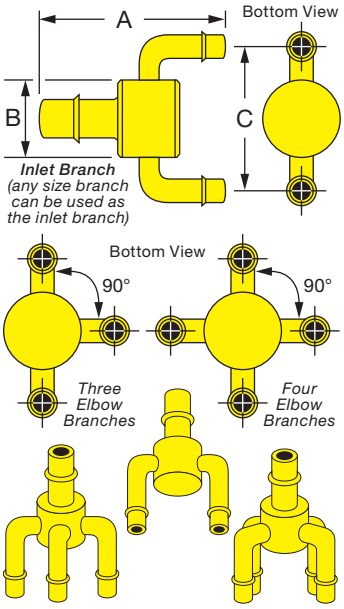
Hex Body options available! Consult factory for details!

Coupling Manifolds & Coupling Elbow Manifolds available! See pages 502 & 503 for details!



A

In-Line Reducing Manifolds with L-Branches 67



Inlet Branch		Dimensions (Reference)	
Tube ID	Branch Number	A Ref.	B Dia.
1/16	1	Consult Factory	Consult Factory
5/64 / 2mm	2		
3/32	2 1/2		
1/8	3		
5/32 / 4mm	3 1/2		
.170	4		
3/16	5		

Inlet Branch		Dimensions (Reference)	
Tube ID	Branch Number	A Ref.	B Dia.
7/32	5 1/2	Consult Factory	Consult Factory
6mm	5 3/4		
1/4	6		
5/16 / 8mm	7		
3/8	8		
1/2	10		

Outlet Branches		Dimensions (Reference)	
Tube ID	Branch Number	C Ref.	D Ref.
1/16	1	Consult Factory	Consult Factory
5/64 / 2mm	2		
3/32	2 1/2		
1/8	3		
5/32 / 4mm	3 1/2		
.170	4		

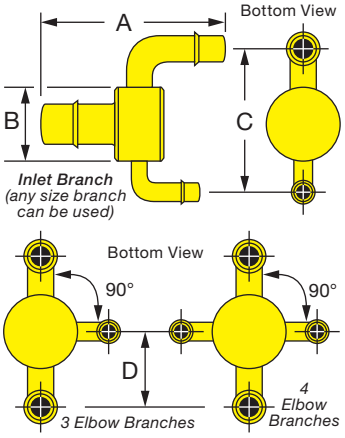
Available with two, three, or four outlet elbow branches!

Part Numbers for In-Line Reducing Manifolds:

Fitting Series → IRM # - L # x # ← # of Branches

Inlet Branch # | Elbow Indicator | Outlet Elbow Branch #

In-Line Reducing Manifolds with Mixed L-Branch Sizes 68



Inlet Branch		Dimensions (Reference)	
Tube ID	Branch Number	A Ref.	B Dia.
1/16	1	Consult Factory	Consult Factory
5/64 / 2mm	2		
3/32	2 1/2		
1/8	3		
5/32 / 4mm	3 1/2		
.170	4		
3/16	5		

Inlet Branch		Dimensions (Reference)	
Tube ID	Branch Number	A Ref.	B Dia.
7/32	5 1/2	Consult Factory	Consult Factory
6mm	5 3/4		
1/4	6		
5/16 / 8mm	7		
3/8	8		
1/2	10		

Elbow Outlet Branches		Dimensions (Reference)	
Tube ID	Branch Number	C Ref.	D Ref.
1/16	1	Consult Factory	Consult Factory
5/64 / 2mm	2		
3/32	2 1/2		
1/8	3		
5/32 / 4mm	3 1/2		
.170	4		

Available with two, three, or four outlet elbow branches!

Part Numbers for In-Line Reducing Manifolds with Mixed L-Branch Sizes:

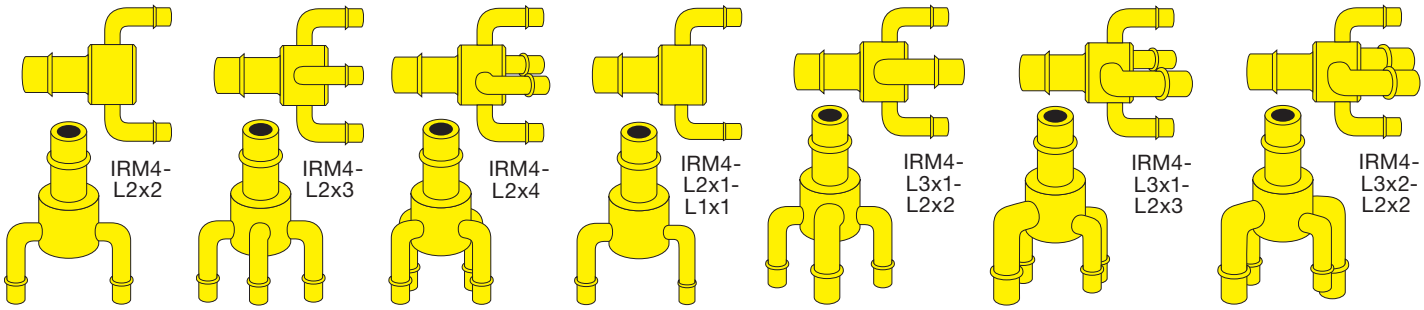
Inlet Branch # | 1st Elbow Branch # | Elbow Branch Indicator

Fitting Series → IRM # - L # x # - L # x # ← # of Elbow Branches

Elbow Branch Indicator | # of Elbow Branches | 2nd Elbow Branch #

In-Line Reducing Manifolds are not restricted to two elbow branch sizes! Consult factory for details!

Consult factory to confirm part numbers!



Unless otherwise specified, parts will be Brass. To order other materials, please add the following codes to the part number:

-SS = Stainless Steel 303 **-316SS = Stainless Steel 316** **-NP = Electroless Nickel Plate**

69 In-Line Reducing Manifolds with Reducing Couplings

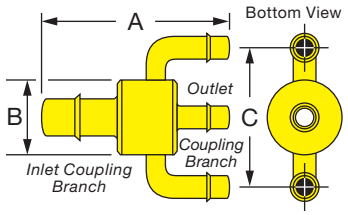
A

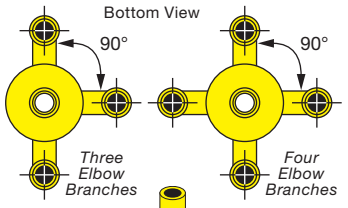
Inlet Branch		Dimensions (Reference)	
Tube ID	Branch Number	A Ref.	B Dia.
1/16	1	Consult Factory	Consult Factory
5/64 / 2mm	2		
3/32	2 1/2		
1/8	3		
5/32 / 4mm	3 1/2		
.170	4		
3/16	5		

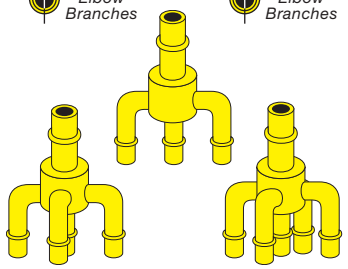
Inlet Branch		Dimensions (Reference)	
Tube ID	Branch Number	A Ref.	B Dia.
7/32	5 1/2	Consult Factory	Consult Factory
6mm	5 3/4		
1/4	6		
5/16 / 8mm	7		
3/8	8		
1/2	10		

Outlet Branches		Dimensions (Reference)	
Tube ID	Branch Number	C Ref.	D Ref.
1/16	1	Consult Factory	Consult Factory
5/64 / 2mm	2		
3/32	2 1/2		
1/8	3		
5/32 / 4mm	3 1/2		
.170	4		

Available with two, three, or four elbow outlet branches!







Part Numbers for In-Line Reducing Manifolds with Reducing Couplings:

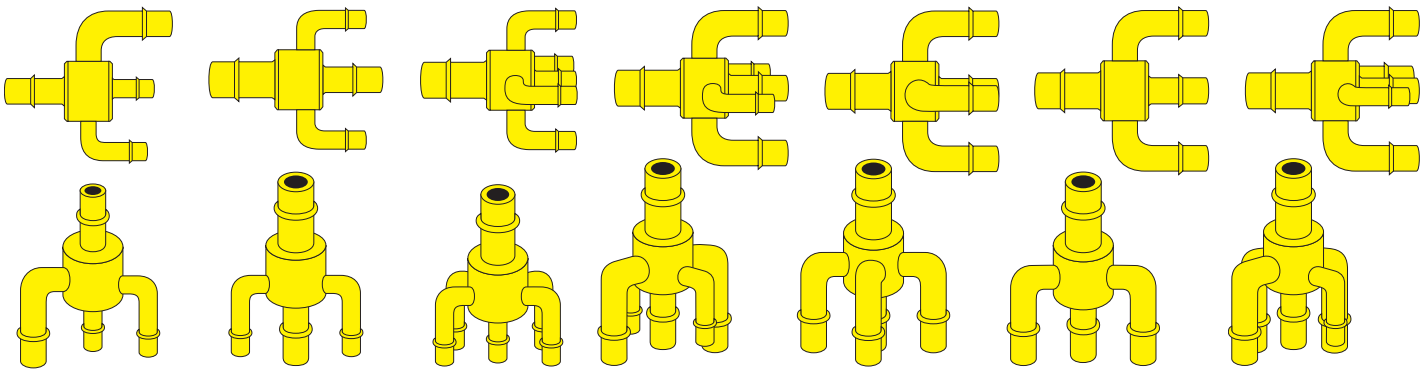
Fitting Series → **IRM-RC** **#** - **#** - **L** **#** x **#**

- Inlet Coupling Branch #
- Outlet Coupling Branch #
- Elbow Branch Indicator
- Elbow Branch #
- # of Elbow Branches

Part Numbers for In-Line Reducing Mixed Branch Manifolds with Reducing Couplings:

Fitting Series → **IRM-RC** **#** - **#** - **L** **#** x **#** - **L** **#** x **#**

- Inlet Coupling Branch #
- Outlet Coupling Branch #
- Elbow Branch Indicator
- 1st Elbow Branch #
- # of Elbow Branches
- 2nd Elbow Branch #
- Elbow Branch Indicator
- # of Elbow Branches

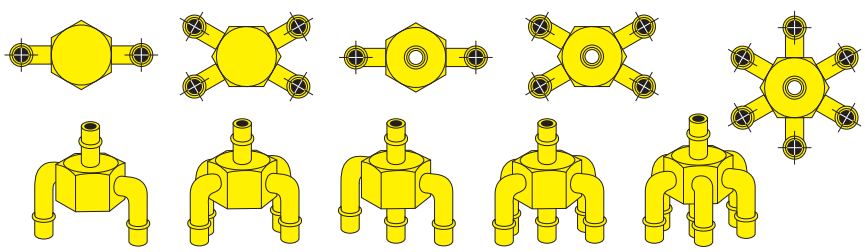


IRM-RC3-2-L3x1-L2x1 | IRM-RC4-3-L2x2 | IRM-RC4-2-L2x4 | IRM-RC4-3-L3x2-L2x2 | IRM-RC4-3-L3x3 | IRM-RC4-3-L3x2 | IRM-RC4-3-L3x3-L2x1

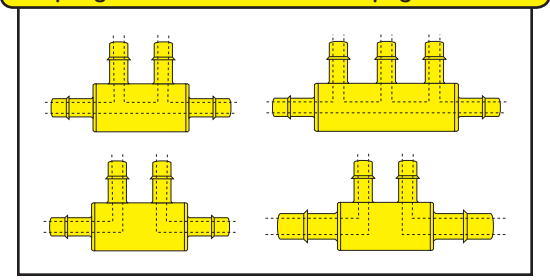
Unless otherwise specified, parts will be Brass. To order other materials, please add the following codes to the part number:

-SS = Stainless Steel 303 **-316SS** = Stainless Steel 316 **-NP** = Electroless Nickel Plate

In-Line Manifolds available with Hex Bodies! Consult factory for details!

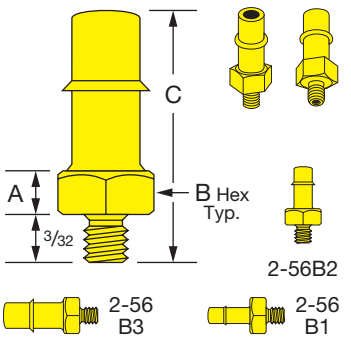


Coupling Manifolds available! See pages 502-503!



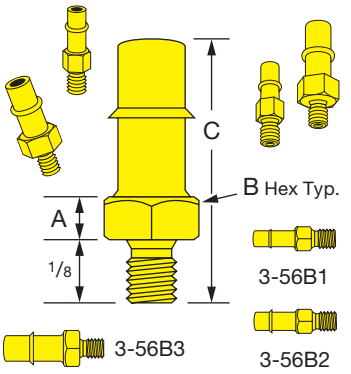
B

2-56 Thread to Tube 70



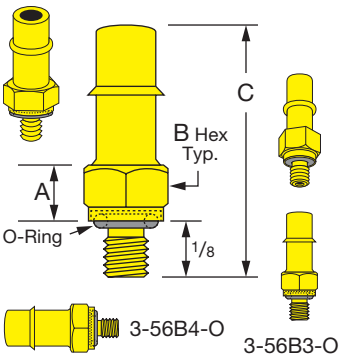
Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	2-56B1	2-56B1-SS	2-56B1-316SS	2-56B1-AL	2-56B1-NP	.085	3/16	.338
5/64 / 2mm	2-56B2	2-56B2-SS	2-56B2-316SS	2-56B2-AL	2-56B2-NP	.085	3/16	.338
3/32	2-56B2 1/2	2-56B2 1/2-SS	2-56B2 1/2-316SS	2-56B2 1/2-AL	2-56B2 1/2-NP	.085	3/16	.338
1/8	2-56B3	2-56B3-SS	2-56B3-316SS	2-56B3-AL	2-56B3-NP	.085	3/16	.398
5/32 / 4mm	2-56B3 1/2	2-56B3 1/2-SS	2-56B3 1/2-316SS	2-56B3 1/2-AL	2-56B3 1/2-NP	.085	3/16	.398
.170	2-56B4	2-56B4-SS	2-56B4-316SS	2-56B4-AL	2-56B4-NP	.085	1/4	.429

3-56 Thread to Tube 71



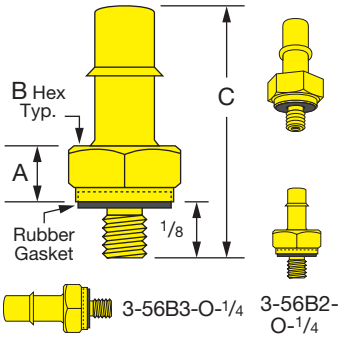
Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	3-56B1	3-56B1-SS	3-56B1-316SS	3-56B1-AL	3-56B1-NP	.085	1/8	.429
5/64 / 2mm	3-56B2	3-56B2-SS	3-56B2-316SS	3-56B2-AL	3-56B2-NP	.085	1/8	.429
3/32	3-56B2 1/2	3-56B2 1/2-SS	3-56B2 1/2-316SS	3-56B2 1/2-AL	3-56B2 1/2-NP	.085	3/16	.429
1/8	3-56B3	3-56B3-SS	3-56B3-316SS	3-56B3-AL	3-56B3-NP	.085	3/16	.523
5/32 / 4mm	3-56B3 1/2	3-56B3 1/2-SS	3-56B3 1/2-316SS	3-56B3 1/2-AL	3-56B3 1/2-NP	.085	3/16	.523
.170	3-56B4	3-56B4-SS	3-56B4-316SS	3-56B4-AL	3-56B4-NP	.085	1/4	.554

3-56 Thread to Tube with O-Ring Installed 72



Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	3-56B1-O	3-56B1-O-SS	3-56B1-O-316SS	3-56B1-O-AL	3-56B1-O-NP	1/8	3/16	15/32
5/64 / 2mm	3-56B2-O	3-56B2-O-SS	3-56B2-O-316SS	3-56B2-O-AL	3-56B2-O-NP	1/8	3/16	15/32
3/32	3-56B2 1/2-O	3-56B2 1/2-O-SS	3-56B2 1/2-O-316SS	3-56B2 1/2-O-AL	3-56B2 1/2-O-NP	1/8	3/16	15/32
1/8	3-56B3-O	3-56B3-O-SS	3-56B3-O-316SS	3-56B3-O-AL	3-56B3-O-NP	1/8	3/16	9/16
5/32 / 4mm	3-56B3 1/2-O	3-56B3 1/2-O-SS	3-56B3 1/2-O-316SS	3-56B3 1/2-O-AL	3-56B3 1/2-O-NP	1/8	1/4	9/16
.170	3-56B4-O	3-56B4-O-SS	3-56B4-O-316SS	3-56B4-O-AL	3-56B4-O-NP	1/8	1/4	19/32

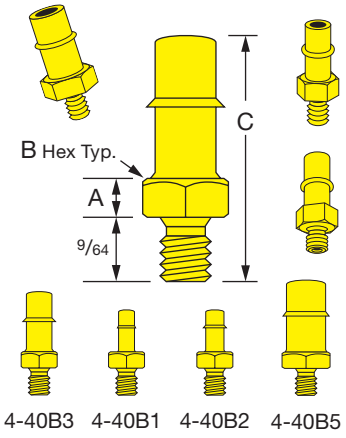
3-56 Thread to Tube with Captive Rubber Gasket Installed 73



Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	3-56B1-O-1/4	3-56B1-O-1/4-SS	3-56B1-O-1/4-316SS	3-56B1-O-1/4-AL	3-56B1-O-1/4-NP	1/8	1/4	15/32
5/64 / 2mm	3-56B2-O-1/4	3-56B2-O-1/4-SS	3-56B2-O-1/4-316SS	3-56B2-O-1/4-AL	3-56B2-O-1/4-NP	1/8	1/4	15/32
3/32	3-56B2 1/2-O-1/4	3-56B2 1/2-O-1/4-SS	3-56B2 1/2-O-1/4-316SS	3-56B2 1/2-O-1/4-AL	3-56B2 1/2-O-1/4-NP	1/8	1/4	15/32
1/8	3-56B3-O-1/4	3-56B3-O-1/4-SS	3-56B3-O-1/4-316SS	3-56B3-O-1/4-AL	3-56B3-O-1/4-NP	1/8	1/4	9/16
5/32 / 4mm	3-56B3 1/2-O-1/4	3-56B3 1/2-O-1/4-SS	3-56B3 1/2-O-1/4-316SS	3-56B3 1/2-O-1/4-AL	3-56B3 1/2-O-1/4-NP	1/8	1/4	9/16
.170	3-56B4-O-1/4	3-56B4-O-1/4-SS	3-56B4-O-1/4-316SS	3-56B4-O-1/4-AL	3-56B4-O-1/4-NP	1/8	1/4	19/32

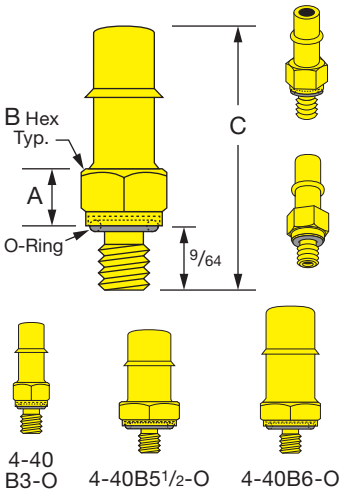
74 4-40 Thread to Tube with Fibre Gasket Supplied

Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	4-40B1	4-40B1-SS	4-40B1-316SS	4-40B1-AL	4-40B1-NP	.085	3/16	.444
5/64 / 2mm	4-40B2	4-40B2-SS	4-40B2-316SS	4-40B2-AL	4-40B2-NP	.085	3/16	.444
3/32	4-40B2 1/2	4-40B2 1/2-SS	4-40B2 1/2-316SS	4-40B2 1/2-AL	4-40B2 1/2-NP	.085	3/16	.444
1/8	4-40B3	4-40B3-SS	4-40B3-316SS	4-40B3-AL	4-40B3-NP	.085	3/16	.538
5/32 / 4mm	4-40B3 1/2	4-40B3 1/2-SS	4-40B3 1/2-316SS	4-40B3 1/2-AL	4-40B3 1/2-NP	.085	3/16	.538
.170	4-40B4	4-40B4-SS	4-40B4-316SS	4-40B4-AL	4-40B4-NP	.085	1/4	.569
3/16	4-40B5	4-40B5-SS	4-40B5-316SS	4-40B5-AL	4-40B5-NP	.085	1/4	.600



75 4-40 Thread to Tube with O-Ring Installed

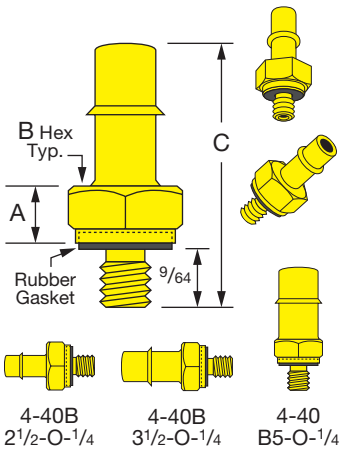
Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	4-40B1-O	4-40B1-O-SS	4-40B1-O-316SS	4-40B1-O-AL	4-40B1-O-NP	1/8	3/16	31/64
5/64 / 2mm	4-40B2-O	4-40B2-O-SS	4-40B2-O-316SS	4-40B2-O-AL	4-40B2-O-NP	1/8	3/16	31/64
3/32	4-40B2 1/2-O	4-40B2 1/2-O-SS	4-40B2 1/2-O-316SS	4-40B2 1/2-O-AL	4-40B2 1/2-O-NP	1/8	3/16	31/64
1/8	4-40B3-O	4-40B3-O-SS	4-40B3-O-316SS	4-40B3-O-AL	4-40B3-O-NP	1/8	3/16	37/64
5/32 / 4mm	4-40B3 1/2-O	4-40B3 1/2-O-SS	4-40B3 1/2-O-316SS	4-40B3 1/2-O-AL	4-40B3 1/2-O-NP	1/8	1/4	37/64
.170	4-40B4-O	4-40B4-O-SS	4-40B4-O-316SS	4-40B4-O-AL	4-40B4-O-NP	1/8	1/4	39/64
3/16	4-40B5-O	4-40B5-O-SS	4-40B5-O-316SS	4-40B5-O-AL	4-40B5-O-NP	1/8	1/4	41/64
7/32	4-40B5 1/2-O	4-40B5 1/2-O-SS	4-40B5 1/2-O-316SS	4-40B5 1/2-O-AL	4-40B5 1/2-O-NP	1/8	5/16	41/64
6mm	4-40B5 3/4-O	4-40B5 3/4-O-SS	4-40B5 3/4-O-316SS	4-40B5 3/4-O-AL	4-40B5 3/4-O-NP	1/8	5/16	49/64
5/16	4-40B6-O	4-40B6-O-SS	4-40B6-O-316SS	4-40B6-O-AL	4-40B6-O-NP	1/8	5/16	49/64

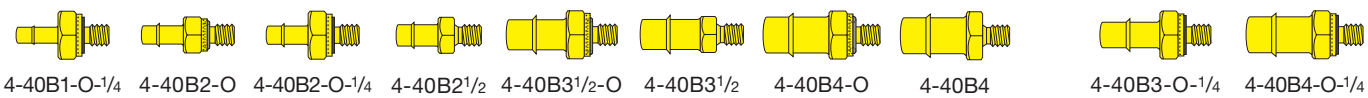


O-Ring options on page 65!

76 4-40 Thread to Tube with Captive Rubber Gasket Installed

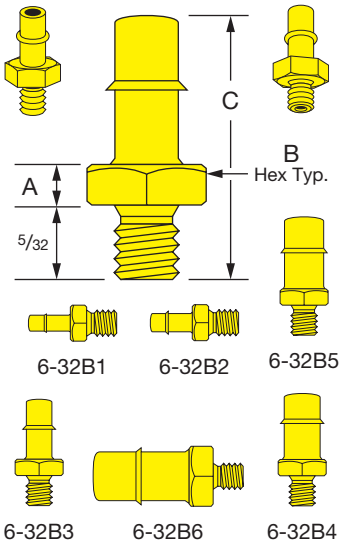
Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	4-40B1-O-1/4	4-40B1-O-1/4-SS	4-40B1-O-1/4-316SS	4-40B1-O-1/4-AL	4-40B1-O-1/4-NP	1/8	1/4	31/64
5/64 / 2mm	4-40B2-O-1/4	4-40B2-O-1/4-SS	4-40B2-O-1/4-316SS	4-40B2-O-1/4-AL	4-40B2-O-1/4-NP	1/8	1/4	31/64
3/32	4-40B2 1/2-O-1/4	4-40B2 1/2-O-1/4-SS	4-40B2 1/2-O-1/4-316SS	4-40B2 1/2-O-1/4-AL	4-40B2 1/2-O-1/4-NP	1/8	1/4	31/64
1/8	4-40B3-O-1/4	4-40B3-O-1/4-SS	4-40B3-O-1/4-316SS	4-40B3-O-1/4-AL	4-40B3-O-1/4-NP	1/8	1/4	37/64
5/32 / 4mm	4-40B3 1/2-O-1/4	4-40B3 1/2-O-1/4-SS	4-40B3 1/2-O-1/4-316SS	4-40B3 1/2-O-1/4-AL	4-40B3 1/2-O-1/4-NP	1/8	1/4	37/64
.170	4-40B4-O-1/4	4-40B4-O-1/4-SS	4-40B4-O-1/4-316SS	4-40B4-O-1/4-AL	4-40B4-O-1/4-NP	1/8	1/4	39/64
3/16	4-40B5-O-1/4	4-40B5-O-1/4-SS	4-40B5-O-1/4-316SS	4-40B5-O-1/4-AL	4-40B5-O-1/4-NP	1/8	1/4	41/64





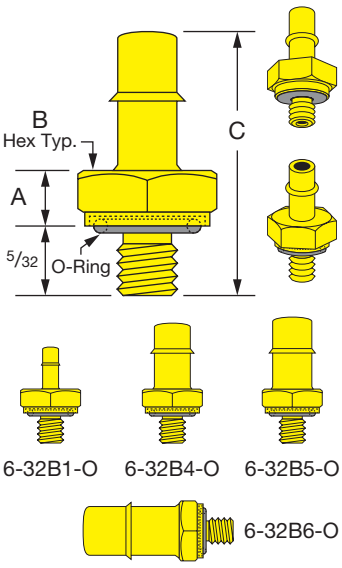
B

6-32 Thread to Tube with Fibre Gasket Supplied 77



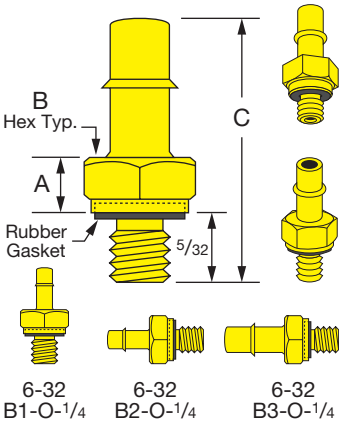
Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	6-32B1	6-32B1-SS	6-32B1-316SS	6-32B1-AL	6-32B1-NP	.085	3/16	29/64
5/64 / 2mm	6-32B2	6-32B2-SS	6-32B2-316SS	6-32B2-AL	6-32B2-NP	.085	3/16	29/64
3/32	6-32B2 1/2	6-32B2 1/2-SS	6-32B2 1/2-316SS	6-32B2 1/2-AL	6-32B2 1/2-NP	.085	3/16	29/64
1/8	6-32B3	6-32B3-SS	6-32B3-316SS	6-32B3-AL	6-32B3-NP	.085	1/4	35/64
5/32 / 4mm	6-32B3 1/2	6-32B3 1/2-SS	6-32B3 1/2-316SS	6-32B3 1/2-AL	6-32B3 1/2-NP	.085	1/4	35/64
.170	6-32B4	6-32B4-SS	6-32B4-316SS	6-32B4-AL	6-32B4-NP	.085	1/4	35/64
3/16	6-32B5	6-32B5-SS	6-32B5-316SS	6-32B5-AL	6-32B5-NP	.085	1/4	39/64
7/32	6-32B5 1/2	6-32B5 1/2-SS	6-32B5 1/2-316SS	6-32B5 1/2-AL	6-32B5 1/2-NP	.085	5/16	39/64
6mm	6-32B5 3/4	6-32B5 3/4-SS	6-32B5 3/4-316SS	6-32B5 3/4-AL	6-32B5 3/4-NP	1/8	5/16	25/32
1/4	6-32B6	6-32B6-SS	6-32B6-316SS	6-32B6-AL	6-32B6-NP	1/8	5/16	25/32

6-32 Thread to Tube with O-Ring Installed 78



Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	6-32B1-O	6-32B1-O-SS	6-32B1-O-316SS	6-32B1-O-AL	6-32B1-O-NP	1/8	5/16	1/2
5/64 / 2mm	6-32B2-O	6-32B2-O-SS	6-32B2-O-316SS	6-32B2-O-AL	6-32B2-O-NP	1/8	5/16	1/2
3/32	6-32B2 1/2-O	6-32B2 1/2-O-SS	6-32B2 1/2-O-316SS	6-32B2 1/2-O-AL	6-32B2 1/2-O-NP	1/8	5/16	1/2
1/8	6-32B3-O	6-32B3-O-SS	6-32B3-O-316SS	6-32B3-O-AL	6-32B3-O-NP	1/8	5/16	19/32
5/32 / 4mm	6-32B3 1/2-O	6-32B3 1/2-O-SS	6-32B3 1/2-O-316SS	6-32B3 1/2-O-AL	6-32B3 1/2-O-NP	1/8	5/16	19/32
.170	6-32B4-O	6-32B4-O-SS	6-32B4-O-316SS	6-32B4-O-AL	6-32B4-O-NP	1/8	5/16	19/32
3/16	6-32B5-O	6-32B5-O-SS	6-32B5-O-316SS	6-32B5-O-AL	6-32B5-O-NP	1/8	5/16	21/32
7/32	6-32B5 1/2-O	6-32B5 1/2-O-SS	6-32B5 1/2-O-316SS	6-32B5 1/2-O-AL	6-32B5 1/2-O-NP	1/8	5/16	21/32
6mm	6-32B5 3/4-O	6-32B5 3/4-O-SS	6-32B5 3/4-O-316SS	6-32B5 3/4-O-AL	6-32B5 3/4-O-NP	1/8	5/16	25/32
5/16	6-32B6-O	6-32B6-O-SS	6-32B6-O-316SS	6-32B6-O-AL	6-32B6-O-NP	1/8	5/16	25/32

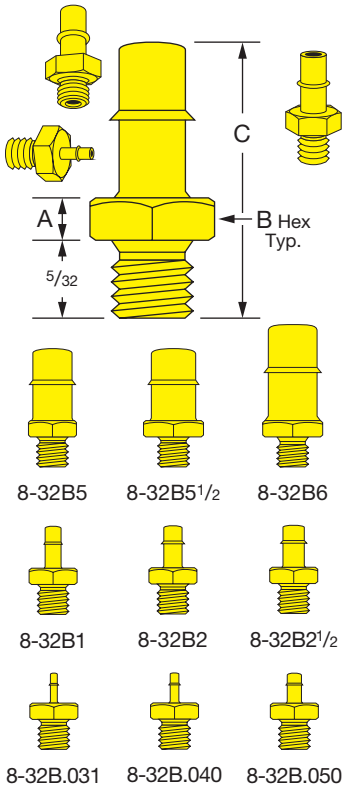
6-32 Thread to Tube with Captive Rubber Gasket Installed 79



Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	6-32B1-O-1/4	6-32B1-O-1/4-SS	6-32B1-O-1/4-316SS	6-32B1-O-1/4-AL	6-32B1-O-1/4-NP	1/8	1/4	1/2
5/64 / 2mm	6-32B2-O-1/4	6-32B2-O-1/4-SS	6-32B2-O-1/4-316SS	6-32B2-O-1/4-AL	6-32B2-O-1/4-NP	1/8	1/4	1/2
3/32	6-32B2 1/2-O-1/4	6-32B2 1/2-O-1/4-SS	6-32B2 1/2-O-1/4-316SS	6-32B2 1/2-O-1/4-AL	6-32B2 1/2-O-1/4-NP	1/8	1/4	1/2
1/8	6-32B3-O-1/4	6-32B3-O-1/4-SS	6-32B3-O-1/4-316SS	6-32B3-O-1/4-AL	6-32B3-O-1/4-NP	1/8	1/4	19/32
5/32 / 4mm	6-32B3 1/2-O-1/4	6-32B3 1/2-O-1/4-SS	6-32B3 1/2-O-1/4-316SS	6-32B3 1/2-O-1/4-AL	6-32B3 1/2-O-1/4-NP	1/8	1/4	19/32
.170	6-32B4-O-1/4	6-32B4-O-1/4-SS	6-32B4-O-1/4-316SS	6-32B4-O-1/4-AL	6-32B4-O-1/4-NP	1/8	1/4	19/32
3/16	6-32B5-O-1/4	6-32B5-O-1/4-SS	6-32B5-O-1/4-316SS	6-32B5-O-1/4-AL	6-32B5-O-1/4-NP	1/8	1/4	21/32

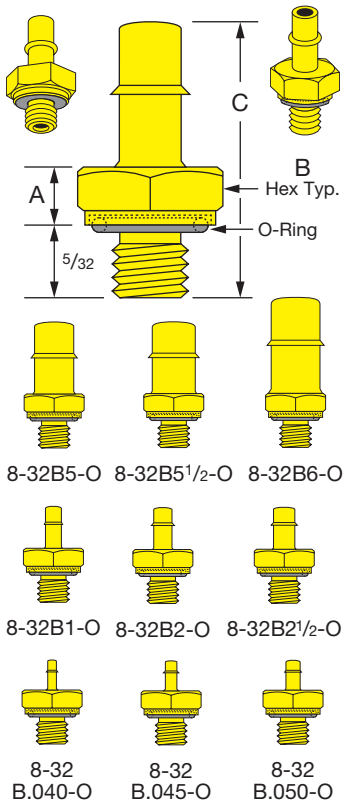
80 8-32 Thread to Tube with Fibre Gasket Supplied

Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	8-32B.031	8-32B.031-SS	8-32B.031-316SS	8-32B.031-AL	8-32B.031-NP	.085	1/4	25/64
.040 / 1mm	8-32B.040	8-32B.040-SS	8-32B.040-316SS	8-32B.040-AL	8-32B.040-NP	.085	1/4	25/64
3/64	8-32B.045	8-32B.045-SS	8-32B.045-316SS	8-32B.045-AL	8-32B.045-NP	.085	1/4	25/64
.050	8-32B.050	8-32B.050-SS	8-32B.050-316SS	8-32B.050-AL	8-32B.050-NP	.085	1/4	25/64
1/16	8-32B1	8-32B1-SS	8-32B1-316SS	8-32B1-AL	8-32B1-NP	.085	1/4	29/64
5/64 / 2mm	8-32B2	8-32B2-SS	8-32B2-316SS	8-32B2-AL	8-32B2-NP	.085	1/4	29/64
3/32	8-32B2 1/2	8-32B2 1/2-SS	8-32B2 1/2-316SS	8-32B2 1/2-AL	8-32B2 1/2-NP	.085	1/4	29/64
1/8	8-32B3	8-32B3-SS	8-32B3-316SS	8-32B3-AL	8-32B3-NP	.085	1/4	35/64
5/32 / 4mm	8-32B3 1/2	8-32B3 1/2-SS	8-32B3 1/2-316SS	8-32B3 1/2-AL	8-32B3 1/2-NP	.085	1/4	35/64
.170	8-32B4	8-32B4-SS	8-32B4-316SS	8-32B4-AL	8-32B4-NP	.085	1/4	35/64
3/16	8-32B5	8-32B5-SS	8-32B5-316SS	8-32B5-AL	8-32B5-NP	.085	1/4	39/64
7/32	8-32B5 1/2	8-32B5 1/2-SS	8-32B5 1/2-316SS	8-32B5 1/2-AL	8-32B5 1/2-NP	.085	5/16	39/64
6mm	8-32B5 3/4	8-32B5 3/4-SS	8-32B5 3/4-316SS	8-32B5 3/4-AL	8-32B5 3/4-NP	1/8	5/16	25/32
1/4	8-32B6	8-32B6-SS	8-32B6-316SS	8-32B6-AL	8-32B6-NP	1/8	5/16	25/32

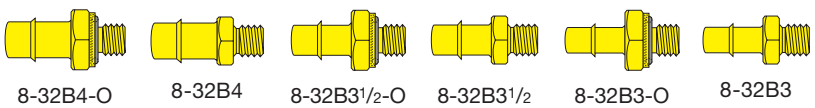


81 8-32 Thread to Tube with O-Ring Installed

Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	8-32B.031-O	8-32B.031-O-SS	8-32B.031-O-316SS	8-32B.031-O-AL	8-32B.031-O-NP	1/8	5/16	7/16
.040 / 1mm	8-32B.040-O	8-32B.040-O-SS	8-32B.040-O-316SS	8-32B.040-O-AL	8-32B.040-O-NP	1/8	5/16	7/16
3/64	8-32B.045-O	8-32B.045-O-SS	8-32B.045-O-316SS	8-32B.045-O-AL	8-32B.045-O-NP	1/8	5/16	7/16
.050	8-32B.050-O	8-32B.050-O-SS	8-32B.050-O-316SS	8-32B.050-O-AL	8-32B.050-O-NP	1/8	5/16	7/16
1/16	8-32B1-O	8-32B1-O-SS	8-32B1-O-316SS	8-32B1-O-AL	8-32B1-O-NP	1/8	5/16	1/2
5/64 / 2mm	8-32B2-O	8-32B2-O-SS	8-32B2-O-316SS	8-32B2-O-AL	8-32B2-O-NP	1/8	5/16	1/2
3/32	8-32B2 1/2-O	8-32B2 1/2-O-SS	8-32B2 1/2-O-316SS	8-32B2 1/2-O-AL	8-32B2 1/2-O-NP	1/8	5/16	1/2
1/8	8-32B3-O	8-32B3-O-SS	8-32B3-O-316SS	8-32B3-O-AL	8-32B3-O-NP	1/8	5/16	19/32
5/32 / 4mm	8-32B3 1/2-O	8-32B3 1/2-O-SS	8-32B3 1/2-O-316SS	8-32B3 1/2-O-AL	8-32B3 1/2-O-NP	1/8	5/16	19/32
.170	8-32B4-O	8-32B4-O-SS	8-32B4-O-316SS	8-32B4-O-AL	8-32B4-O-NP	1/8	5/16	19/32
3/16	8-32B5-O	8-32B5-O-SS	8-32B5-O-316SS	8-32B5-O-AL	8-32B5-O-NP	1/8	5/16	21/32
7/32	8-32B5 1/2-O	8-32B5 1/2-O-SS	8-32B5 1/2-O-316SS	8-32B5 1/2-O-AL	8-32B5 1/2-O-NP	1/8	5/16	21/32
6mm	8-32B5 3/4-O	8-32B5 3/4-O-SS	8-32B5 3/4-O-316SS	8-32B5 3/4-O-AL	8-32B5 3/4-O-NP	1/8	5/16	25/32
1/4	8-32B6-O	8-32B6-O-SS	8-32B6-O-316SS	8-32B6-O-AL	8-32B6-O-NP	1/8	5/16	25/32



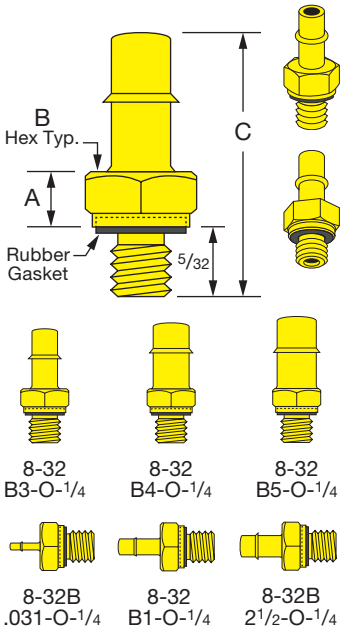
Metric Threads available! Consult factory for details!



Supplied with Buna-N O-Ring! Other options listed on page 65!

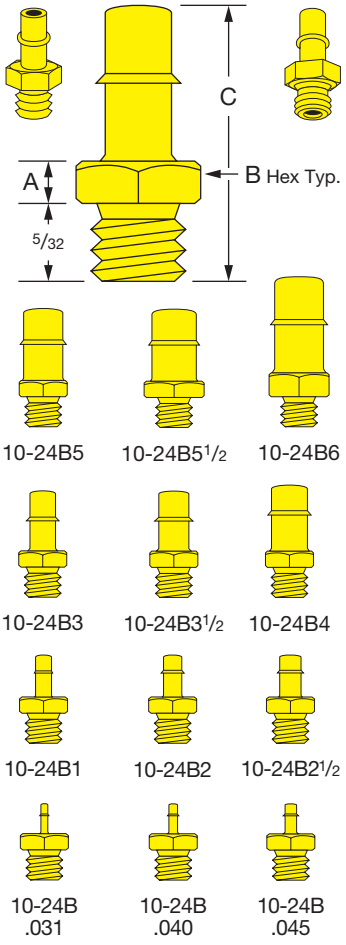
B

8-32 Thread to Tube with Captive Rubber Gasket Installed — 82



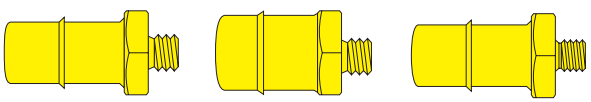
Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	8-32B.031-O-1/4	8-32B.031-O-1/4-SS	8-32B.031-O-1/4-316SS	8-32B.031-O-1/4-AL	8-32B.031-O-1/4-NP	1/8	1/4	7/16
.040 / 1mm	8-32B.040-O-1/4	8-32B.040-O-1/4-SS	8-32B.040-O-1/4-316SS	8-32B.040-O-1/4-AL	8-32B.040-O-1/4-NP	1/8	1/4	7/16
3/64	8-32B.045-O-1/4	8-32B.045-O-1/4-SS	8-32B.045-O-1/4-316SS	8-32B.045-O-1/4-AL	8-32B.045-O-1/4-NP	1/8	1/4	7/16
.050	8-32B.050-O-1/4	8-32B.050-O-1/4-SS	8-32B.050-O-1/4-316SS	8-32B.050-O-1/4-AL	8-32B.050-O-1/4-NP	1/8	1/4	7/16
1/16	8-32B1-O-1/4	8-32B1-O-1/4-SS	8-32B1-O-1/4-316SS	8-32B1-O-1/4-AL	8-32B1-O-1/4-NP	1/8	1/4	1/2
5/64 / 2mm	8-32B2-O-1/4	8-32B2-O-1/4-SS	8-32B2-O-1/4-316SS	8-32B2-O-1/4-AL	8-32B2-O-1/4-NP	1/8	1/4	1/2
3/32	8-32B2 1/2-O-1/4	8-32B2 1/2-O-1/4-SS	8-32B2 1/2-O-1/4-316SS	8-32B2 1/2-O-1/4-AL	8-32B2 1/2-O-1/4-NP	1/8	1/4	1/2
1/8	8-32B3-O-1/4	8-32B3-O-1/4-SS	8-32B3-O-1/4-316SS	8-32B3-O-1/4-AL	8-32B3-O-1/4-NP	1/8	1/4	19/32
5/32 / 4mm	8-32B3 1/2-O-1/4	8-32B3 1/2-O-1/4-SS	8-32B3 1/2-O-1/4-316SS	8-32B3 1/2-O-1/4-AL	8-32B3 1/2-O-1/4-NP	1/8	1/4	19/32
.170	8-32B4-O-1/4	8-32B4-O-1/4-SS	8-32B4-O-1/4-316SS	8-32B4-O-1/4-AL	8-32B4-O-1/4-NP	1/8	1/4	5/8
3/16	8-32B5-O-1/4	8-32B5-O-1/4-SS	8-32B5-O-1/4-316SS	8-32B5-O-1/4-AL	8-32B5-O-1/4-NP	1/8	1/4	21/32

10-24 Thread to Tube with Fibre Gasket Supplied — 83



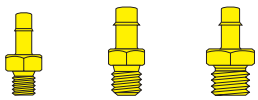
Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	10-24B.031	10-24B.031-SS	10-24B.031-316SS	10-24B.031-AL	10-24B.031-NP	.085	1/4	25/64
.040 / 1mm	10-24B.040	10-24B.040-SS	10-24B.040-316SS	10-24B.040-AL	10-24B.040-NP	.085	1/4	25/64
3/64	10-24B.045	10-24B.045-SS	10-24B.045-316SS	10-24B.045-AL	10-24B.045-NP	.085	1/4	25/64
.050	10-24B.050	10-24B.050-SS	10-24B.050-316SS	10-24B.050-AL	10-24B.050-NP	.085	1/4	25/64
1/16	10-24B1	10-24B1-SS	10-24B1-316SS	10-24B1-AL	10-24B1-NP	.085	1/4	29/64
5/64 / 2mm	10-24B2	10-24B2-SS	10-24B2-316SS	10-24B2-AL	10-24B2-NP	.085	1/4	29/64
3/32	10-24B2 1/2	10-24B2 1/2-SS	10-24B2 1/2-316SS	10-24B2 1/2-AL	10-24B2 1/2-NP	.085	1/4	29/64
1/8	10-24B3	10-24B3-SS	10-24B3-316SS	10-24B3-AL	10-24B3-NP	.085	1/4	35/64
5/32 / 4mm	10-24B3 1/2	10-24B3 1/2-SS	10-24B3 1/2-316SS	10-24B3 1/2-AL	10-24B3 1/2-NP	.085	1/4	35/64
.170	10-24B4	10-24B4-SS	10-24B4-316SS	10-24B4-AL	10-24B4-NP	.085	1/4	35/64
3/16	10-24B5	10-24B5-SS	10-24B5-316SS	10-24B5-AL	10-24B5-NP	.085	1/4	39/64
7/32	10-24B5 1/2	10-24B5 1/2-SS	10-24B5 1/2-316SS	10-24B5 1/2-AL	10-24B5 1/2-NP	.085	5/16	39/64
6mm	10-24B5 3/4	10-24B5 3/4-SS	10-24B5 3/4-316SS	10-24B5 3/4-AL	10-24B5 3/4-NP	1/8	5/16	25/32
1/4	10-24B6	10-24B6-SS	10-24B6-316SS	10-24B6-AL	10-24B6-NP	1/8	5/16	25/32

Larger branch sizes available! Lead times apply!



Consult factory for details!

Metric Threads available!

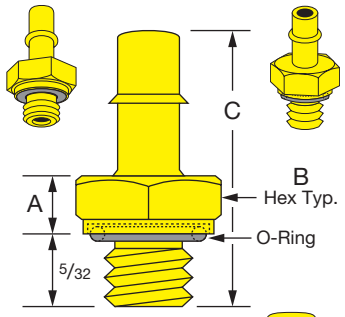


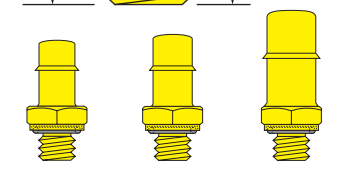
Consult factory for details!

Note: *Images are for visual representation only; not intended for dimensional measurements. Dimensions may vary at the time of manufacturing.*

84 10-24 Thread to Tube with O-Ring Installed

Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	10-24 B.031-O	10-24B.031-O-SS	10-24B.031-O-316SS	10-24B.031-O-AL	10-24B.031-O-NP	1/8	5/16	7/16
.040 / 1mm	10-24 B.040-O	10-24B.040-O-SS	10-24B.040-O-316SS	10-24B.040-O-AL	10-24B.040-O-NP	1/8	5/16	7/16
3/64	10-24 B.045-O	10-24B.045-O-SS	10-24B.045-O-316SS	10-24B.045-O-AL	10-24B.045-O-NP	1/8	5/16	7/16
.050	10-24 B.050-O	10-24B.050-O-SS	10-24B.050-O-316SS	10-24B.050-O-AL	10-24B.050-O-NP	1/8	5/16	7/16
1/16	10-24B1-O	10-24B1-O-SS	10-24B1-O-316SS	10-24B1-O-AL	10-24B1-O-NP	1/8	5/16	1/2
5/64 / 2mm	10-24B2-O	10-24B2-O-SS	10-24B2-O-316SS	10-24B2-O-AL	10-24B2-O-NP	1/8	5/16	1/2
3/32	10-24 B2 1/2-O	10-24B2 1/2-O-SS	10-24B2 1/2-O-316SS	10-24B2 1/2-O-AL	10-24B2 1/2-O-NP	1/8	5/16	1/2
1/8	10-24B3-O	10-24B3-O-SS	10-24B3-O-316SS	10-24B3-O-AL	10-24B3-O-NP	1/8	5/16	19/32
5/32 / 4mm	10-24 B3 1/2-O	10-24B3 1/2-O-SS	10-24B3 1/2-O-316SS	10-24B3 1/2-O-AL	10-24B3 1/2-O-NP	1/8	5/16	19/32
.170	10-24B4-O	10-24B4-O-SS	10-24B4-O-316SS	10-24B4-O-AL	10-24B4-O-NP	1/8	5/16	19/32
3/16	10-24B5-O	10-24B5-O-SS	10-24B5-O-316SS	10-24B5-O-AL	10-24B5-O-NP	1/8	5/16	21/32
7/32	10-24 B5 1/2-O	10-24B5 1/2-O-SS	10-24B5 1/2-O-316SS	10-24B5 1/2-O-AL	10-24B5 1/2-O-NP	1/8	5/16	21/32
6mm	10-24 B5 3/4-O	10-24B5 3/4-O-SS	10-24B5 3/4-O-316SS	10-24B5 3/4-O-AL	10-24B5 3/4-O-NP	1/8	5/16	25/32
1/4	10-24B6-O	10-24B6-O-SS	10-24B6-O-316SS	10-24B6-O-AL	10-24B6-O-NP	1/8	5/16	25/32





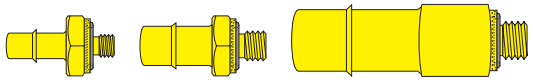
10-24B4-O 10-24B5-O 10-24B6-O



10-24 B.040-O 10-24B2-O 10-24B3-O

Supplied with Buna-N O-Ring! Other options listed on page 65!

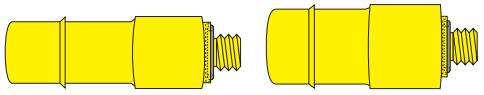
Metric Threads available! See pages 468 - 487!



M3-B3-O M4-B5-O M5-B7-O

Lead times and minimum quantities may apply! Consult factory for details!

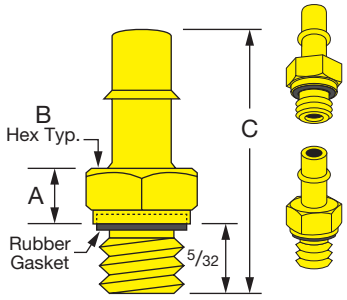
Larger branch sizes available with square bodies!

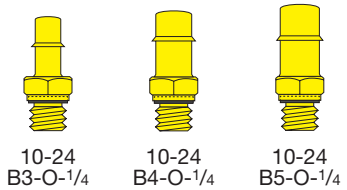


10-24B7-O 10-24B8-O

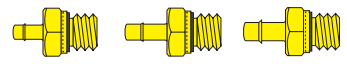
85 10-24 Thread to Tube with Captive Rubber Gasket Installed

Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	10-24 B.031-O-1/4	10-24B.031-O-1/4-SS	10-24B.031-O-1/4-316SS	10-24B.031-O-1/4-AL	10-24B.031-O-1/4-NP	1/8	1/4	7/16
.040 / 1mm	10-24 B.040-O-1/4	10-24B.040-O-1/4-SS	10-24B.040-O-1/4-316SS	10-24B.040-O-1/4-AL	10-24B.040-O-1/4-NP	1/8	1/4	7/16
3/64	10-24 B.045-O-1/4	10-24B.045-O-1/4-SS	10-24B.045-O-1/4-316SS	10-24B.045-O-1/4-AL	10-24B.045-O-1/4-NP	1/8	1/4	7/16
.050	10-24 B.050-O-1/4	10-24B.050-O-1/4-SS	10-24B.050-O-1/4-316SS	10-24B.050-O-1/4-AL	10-24B.050-O-1/4-NP	1/8	1/4	7/16
1/16	10-24B1-O-1/4	10-24B1-O-1/4-SS	10-24B1-O-1/4-316SS	10-24B1-O-1/4-AL	10-24B1-O-1/4-NP	1/8	1/4	1/2
5/64 / 2mm	10-24B2-O-1/4	10-24B2-O-1/4-SS	10-24B2-O-1/4-316SS	10-24B2-O-1/4-AL	10-24B2-O-1/4-NP	1/8	1/4	1/2
3/32	10-24B2 1/2-O-1/4	10-24B2 1/2-O-1/4-SS	10-24B2 1/2-O-1/4-316SS	10-24B2 1/2-O-1/4-AL	10-24B2 1/2-O-1/4-NP	1/8	1/4	1/2
1/8	10-24B3-O-1/4	10-24B3-O-1/4-SS	10-24B3-O-1/4-316SS	10-24B3-O-1/4-AL	10-24B3-O-1/4-NP	1/8	1/4	19/32
5/32 / 4mm	10-24B3 1/2-O -1/4	10-24B3 1/2-O-1/4-SS	10-24B3 1/2-O-1/4-316SS	10-24B3 1/2-O-1/4-AL	10-24B3 1/2-O-1/4-NP	1/8	1/4	19/32
.170	10-24B4-O-1/4	10-24B4-O-1/4-SS	10-24B4-O-1/4-316SS	10-24B4-O-1/4-AL	10-24B4-O-1/4-NP	1/8	1/4	19/32
3/16	10-24B5-O-1/4	10-24B5-O-1/4-SS	10-24B5-O-1/4-316SS	10-24B5-O-1/4-AL	10-24B5-O-1/4-NP	1/8	1/4	21/32





10-24 B3-O-1/4 10-24 B4-O-1/4 10-24 B5-O-1/4

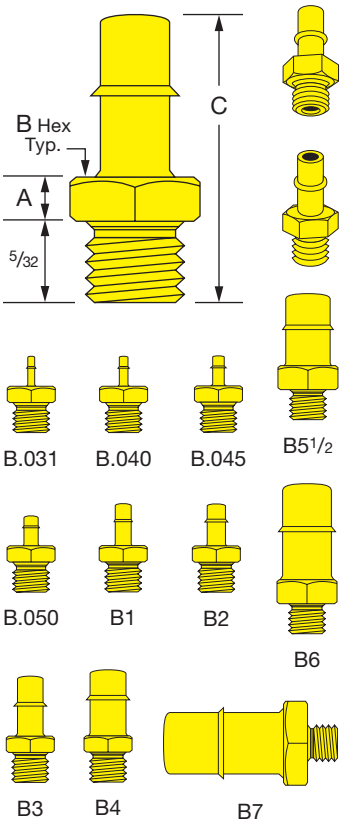


10-24B .050-O-1/4 10-24 B1-O-1/4 10-24 B2-O-1/4

10-24 Thread fittings with Captive Rubber Gaskets installed are available with larger tube ID's! Lead times may apply! Consult factory for details!

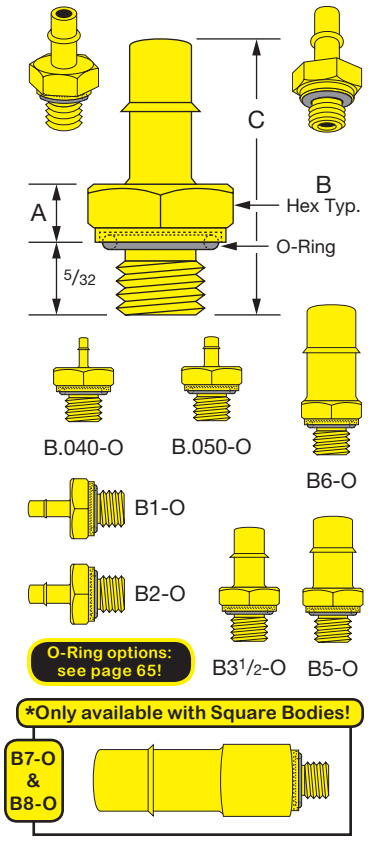
B

10-32 Thread to Tube with Fibre Gasket Supplied 86



Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	B.031	B.031-SS	B.031-316SS	B.031-AL	B.031-NP	.085	1/4	25/64
.040 / 1mm	B.040	B.040-SS	B.040-316SS	B.040-AL	B.040-NP	.085	1/4	25/64
3/64	B.045	B.045-SS	B.045-316SS	B.045-AL	B.045-NP	.085	1/4	25/64
.050	B.050	B.050-SS	B.050-316SS	B.050-AL	B.050-NP	.085	1/4	25/64
1/16	B1	B1-SS	B1-316SS	B1-AL	B1-NP	.085	1/4	29/64
5/64 / 2mm	B2	B2-SS	B2-316SS	B2-AL	B2-NP	.085	1/4	29/64
3/32	B2 1/2	B2 1/2-SS	B2 1/2-316SS	B2 1/2-AL	B2 1/2-NP	.085	1/4	29/64
1/8	B3	B3-SS	B3-316SS	B3-AL	B3-NP	.085	1/4	35/64
5/32 / 4mm	B3 1/2	B3 1/2-SS	B3 1/2-316SS	B3 1/2-AL	B3 1/2-NP	.085	1/4	35/64
.170	B4	B4-SS	B4-316SS	B4-AL	B4-NP	.085	1/4	37/64
3/16	B5	B5-SS	B5-316SS	B5-AL	B5-NP	.085	1/4	39/64
7/32	B5 1/2	B5 1/2-SS	B5 1/2-316SS	B5 1/2-AL	B5 1/2-NP	.085	5/16	39/64
6mm	B5 3/4	B5 3/4-SS	B5 3/4-316SS	B5 3/4-AL	B5 3/4-NP	1/8	5/16	25/32
1/4	B6	B6-SS	B6-316SS	B6-AL	B6-NP	1/8	5/16	25/32
5/16 / 8mm	B7	B7-SS	B7-316SS	B7-AL	B7-NP	1/8	3/8	29/32
3/8	B8	B8-SS	B8-316SS	B8-AL	B8-NP	1/8	7/16	13/16

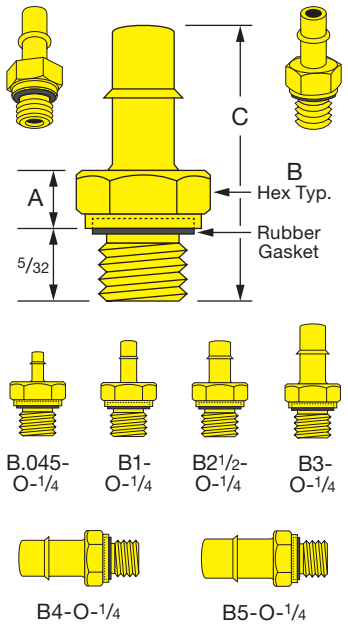
10-32 Thread to Tube with O-Ring Installed 87



Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	B.031-O	B.031-O-SS	B.031-O-316SS	B.031-O-AL	B.031-O-NP	1/8	5/16	7/16
.040 / 1mm	B.040-O	B.040-O-SS	B.040-O-316SS	B.040-O-AL	B.040-O-NP	1/8	5/16	7/16
3/64	B.045-O	B.045-O-SS	B.045-O-316SS	B.045-O-AL	B.045-O-NP	1/8	5/16	7/16
.050	B.050-O	B.050-O-SS	B.050-O-316SS	B.050-O-AL	B.050-O-NP	1/8	5/16	7/16
1/16	B1-O	B1-O-SS	B1-O-316SS	B1-O-AL	B1-O-NP	1/8	5/16	1/2
5/64 / 2mm	B2-O	B2-O-SS	B2-O-316SS	B2-O-AL	B2-O-NP	1/8	5/16	1/2
3/32	B2 1/2-O	B2 1/2-O-SS	B2 1/2-O-316SS	B2 1/2-O-AL	B2 1/2-O-NP	1/8	5/16	1/2
1/8	B3-O	B3-O-SS	B3-O-316SS	B3-O-AL	B3-O-NP	1/8	5/16	19/32
5/32 / 4mm	B3 1/2-O	B3 1/2-O-SS	B3 1/2-O-316SS	B3 1/2-O-AL	B3 1/2-O-NP	1/8	5/16	19/32
.170	B4-O	B4-O-SS	B4-O-316SS	B4-O-AL	B4-O-NP	1/8	5/16	5/8
3/16	B5-O	B5-O-SS	B5-O-316SS	B5-O-AL	B5-O-NP	1/8	5/16	21/32
7/32	B5 1/2-O	B5 1/2-O-SS	B5 1/2-O-316SS	B5 1/2-O-AL	B5 1/2-O-NP	1/8	5/16	21/32
6mm	B5 3/4-O	B5 3/4-O-SS	B5 3/4-O-316SS	B5 3/4-O-AL	B5 3/4-O-NP	1/8	5/16	25/32
1/4	B6-O	B6-O-SS	B6-O-316SS	B6-O-AL	B6-O-NP	1/8	5/16	25/32
5/16 / 8mm	B7-O	B7-O-SS	B7-O-316SS	B7-O-AL	B7-O-NP	3/8*	3/8*	1.225
3/8	B8-O	B8-O-SS	B8-O-316SS	B8-O-AL	B8-O-NP	*Consult Factory*		

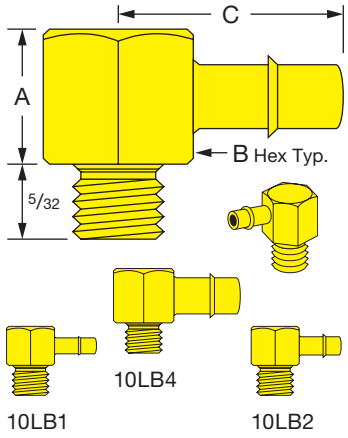
88 10-32 Thread to Tube with Captive Rubber Gasket Installed

Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	B.031-O-1/4	B.031-O-1/4-SS	B.031-O-1/4-316SS	B.031-O-1/4-AL	B.031-O-1/4-NP	1/8	1/4	7/16
.040 / 1mm	B.040-O-1/4	B.040-O-1/4-SS	B.040-O-1/4-316SS	B.040-O-1/4-AL	B.040-O-1/4-NP	1/8	1/4	7/16
3/64	B.045-O-1/4	B.045-O-1/4-SS	B.045-O-1/4-316SS	B.045-O-1/4-AL	B.045-O-1/4-NP	1/8	1/4	7/16
.050	B.050-O-1/4	B.050-O-1/4-SS	B.050-O-1/4-316SS	B.050-O-1/4-AL	B.050-O-1/4-NP	1/8	1/4	7/16
1/16	B1-O-1/4	B1-O-1/4-SS	B1-O-1/4-316SS	B1-O-1/4-AL	B1-O-1/4-NP	1/8	1/4	1/2
5/64 / 2mm	B2-O-1/4	B2-O-1/4-SS	B2-O-1/4-316SS	B2-O-1/4-AL	B2-O-1/4-NP	1/8	1/4	1/2
3/32	B2 1/2-O-1/4	B2 1/2-O-1/4-SS	B2 1/2-O-1/4-316SS	B2 1/2-O-1/4-AL	B2 1/2-O-1/4-NP	1/8	1/4	1/2
1/8	B3-O-1/4	B3-O-1/4-SS	B3-O-1/4-316SS	B3-O-1/4-AL	B3-O-1/4-NP	1/8	1/4	19/32
5/32 / 4mm	B3 1/2-O-1/4	B3 1/2-O-1/4-SS	B3 1/2-O-1/4-316SS	B3 1/2-O-1/4-AL	B3 1/2-O-1/4-NP	1/8	1/4	19/32
.170	B4-O-1/4	B4-O-1/4-SS	B4-O-1/4-316SS	B4-O-1/4-AL	B4-O-1/4-NP	1/8	1/4	5/8
3/16	B5-O-1/4	B5-O-1/4-SS	B5-O-1/4-316SS	B5-O-1/4-AL	B5-O-1/4-NP	1/8	1/4	21/32



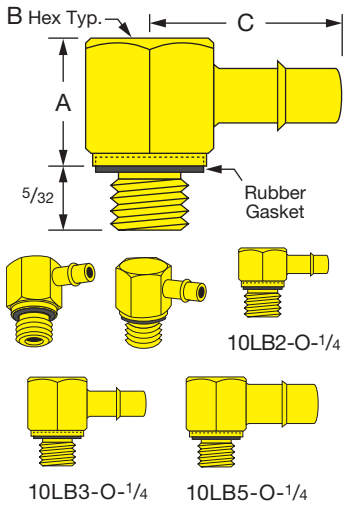
89 10-32 Thread to Tube Elbows with Fibre Gasket Supplied

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	10LB1	10LB1-SS	10LB1-316SS	10LB1-NP	13/64	1/4	11/32
5/64 / 2mm	10LB2	10LB2-SS	10LB2-316SS	10LB2-NP	13/64	1/4	11/32
3/32	10LB2 1/2	10LB2 1/2-SS	10LB2 1/2-316SS	10LB2 1/2-NP	13/64	1/4	11/32
1/8	10LB3	10LB3-SS	10LB3-316SS	10LB3-NP	9/32	5/16	15/32
5/32 / 4mm	10LB3 1/2	10LB3 1/2-SS	10LB3 1/2-316SS	10LB3 1/2-NP	9/32	5/16	15/32
.170	10LB4	10LB4-SS	10LB4-316SS	10LB4-NP	9/32	5/16	1/2
3/16	10LB5	10LB5-SS	10LB5-316SS	10LB5-NP	9/32	5/16	17/32



90 10-32 Thread to Tube Elbows with Captive Rubber Gasket Installed

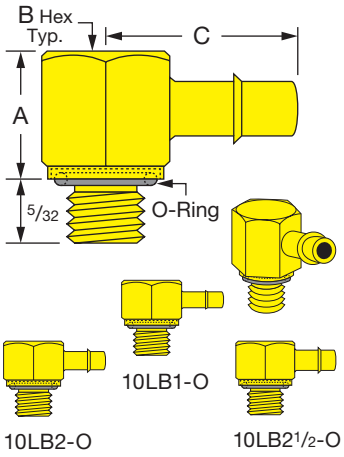
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	10LB1-O-1/4	10LB1-O-1/4-SS	10LB1-O-1/4-316SS	10LB1-O-1/4-NP	13/64	1/4	11/32
5/64 / 2mm	10LB2-O-1/4	10LB2-O-1/4-SS	10LB2-O-1/4-316SS	10LB2-O-1/4-NP	13/64	1/4	11/32
3/32	10LB2 1/2-O-1/4	10LB2 1/2-O-1/4-SS	10LB2 1/2-O-1/4-316SS	10LB2 1/2-O-1/4-NP	13/64	1/4	11/32
1/8	10LB3-O-1/4	10LB3-O-1/4-SS	10LB3-O-1/4-316SS	10LB3-O-1/4-NP	5/16	5/16	15/32
5/32 / 4mm	10LB3 1/2-O-1/4	10LB3 1/2-O-1/4-SS	10LB3 1/2-O-1/4-316SS	10LB3 1/2-O-1/4-NP	5/16	5/16	15/32
.170	10LB4-O-1/4	10LB4-O-1/4-SS	10LB4-O-1/4-316SS	10LB4-O-1/4-NP	5/16	5/16	1/2
3/16	10LB5-O-1/4	10LB5-O-1/4-SS	10LB5-O-1/4-316SS	10LB5-O-1/4-NP	5/16	5/16	17/32



10-32 Thread fittings are available with smaller tube ID's! Lead times may apply! Consult factory for details!

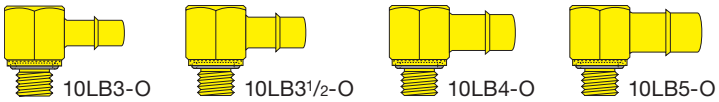
B

10-32 Thread to Tube Elbows with O-Ring Installed 91



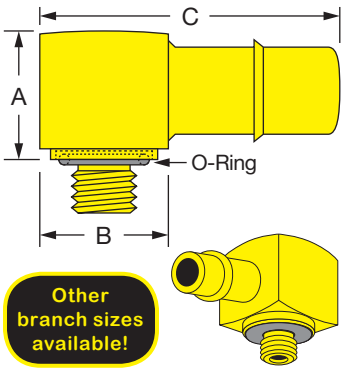
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	10LB1-O	10LB1-O-SS	10LB1-O-316SS	10LB1-O-NP	15/64	5/16	3/8
5/64 / 2mm	10LB2-O	10LB2-O-SS	10LB2-O-316SS	10LB2-O-NP	15/64	5/16	3/8
3/32	10LB2 1/2-O	10LB2 1/2-O-SS	10LB2 1/2-O-316SS	10LB2 1/2-O-NP	15/64	5/16	3/8
1/8	10LB3-O	10LB3-O-SS	10LB3-O-316SS	10LB3-O-NP	5/16	5/16	15/32
5/32 / 4mm	10LB3 1/2-O	10LB3 1/2-O-SS	10LB3 1/2-O-316SS	10LB3 1/2-O-NP	5/16	5/16	15/32
.170	10LB4-O	10LB4-O-SS	10LB4-O-316SS	10LB4-O-NP	5/16	5/16	1/2
3/16	10LB5-O	10LB5-O-SS	10LB5-O-316SS	10LB5-O-NP	5/16	5/16	17/32

Supplied with Buna-N O-Rings! Other O-Ring material options are listed on page 65!



Smaller branches and Metric threads available! Consult factory for details!

10-32 Thread to Tube Elbows (Square Body) with O-Ring Installed 92



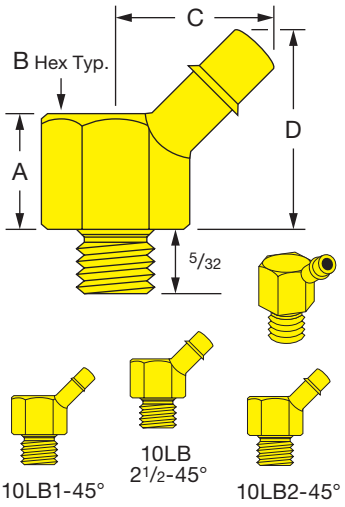
Other branch sizes available!

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Ref.	C Typ.
7/32	10LB5 1/2-O	10LB5 1/2-O-SS	10LB5 1/2-O-316SS	10LB5 1/2-O-NP	3/8	3/8	3/4
6mm	10LB5 3/4-O	10LB5 3/4-O-SS	10LB5 3/4-O-316SS	10LB5 3/4-O-NP	3/8	3/8	7/8
1/4	10LB6-O	10LB6-O-SS	10LB6-O-316SS	10LB6-O-NP	3/8	3/8	7/8

10-32 Thread Elbows with tube ID's of 7/32 or higher are only available with Square Bodies!

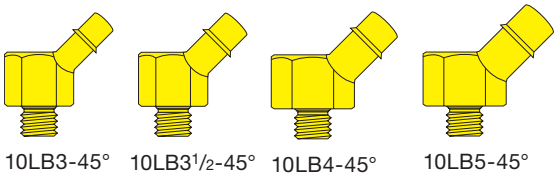
Square Body Elbows are supplied with Buna-N O-Rings! Other O-Ring options are listed on page 65!

10-32 Thread to Tube 45° Elbows with Fibre Gasket Supplied 93



For systems that do not allow the degree symbol (°) to be used, it can be substituted with 'DEG' in the part number.

Tube ID	Part Numbers				Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/16	10LB1-45°	10LB1-45°-SS	10LB1-45°-316SS	10LB1-45°-NP	13/64	1/4	.270	.343
5/64 / 2mm	10LB2-45°	10LB2-45°-SS	10LB2-45°-316SS	10LB2-45°-NP	13/64	1/4	.269	.343
3/32	10LB2 1/2-45°	10LB2 1/2-45°-SS	10LB2 1/2-45°-316SS	10LB2 1/2-45°-NP	13/64	1/4	.263	.343
1/8	10LB3-45°	10LB3-45°-SS	10LB3-45°-316SS	10LB3-45°-NP	9/32	5/16	.360	.486
5/32 / 4mm	10LB3 1/2-45°	10LB3 1/2-45°-SS	10LB3 1/2-45°-316SS	10LB3 1/2-45°-NP	9/32	5/16	.360	.486
.170	10LB4-45°	10LB4-45°-SS	10LB4-45°-316SS	10LB4-45°-NP	9/32	3/8	.390	.486
3/16	10LB5-45°	10LB5-45°-SS	10LB5-45°-316SS	10LB5-45°-NP	9/32	3/8	.433	.527



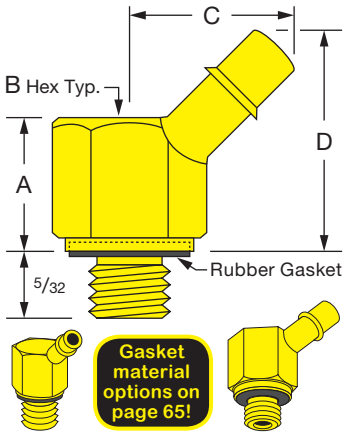
Smaller branch sizes available!



B

94 10-32 Thread to Tube 45° Elbows with Captive Rubber Gasket Installed

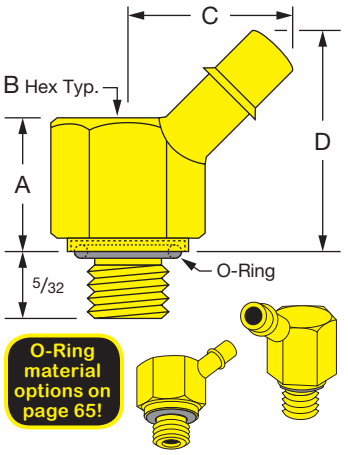
Tube ID	Part Numbers				Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/16	10LB1-45°-O-1/4	10LB1-45°-O-1/4-SS	10LB1-45°-O-1/4-316SS	10LB1-45°-O-1/4-NP	13/64	1/4	.270	.343
5/64 / 2mm	10LB2-45°-O-1/4	10LB2-45°-O-1/4-SS	10LB2-45°-O-1/4-316SS	10LB2-45°-O-1/4-NP	13/64	1/4	.269	.343
3/32	10LB2 1/2-45°-O-1/4	10LB2 1/2-45°-O-1/4-SS	10LB2 1/2-45°-O-1/4-316SS	10LB2 1/2-45°-O-1/4-NP	13/64	1/4	.263	.343
1/8	10LB3-45°-O-1/4	10LB3-45°-O-1/4-SS	10LB3-45°-O-1/4-316SS	10LB3-45°-O-1/4-NP	5/16	5/16	.360	.486
5/32 / 4mm	10LB3 1/2-45°-O-1/4	10LB3 1/2-45°-O-1/4-SS	10LB3 1/2-45°-O-1/4-316SS	10LB3 1/2-45°-O-1/4-NP	5/16	5/16	.360	.486
.170	10LB4-45°-O-1/4	10LB4-45°-O-1/4-SS	10LB4-45°-O-1/4-316SS	10LB4-45°-O-1/4-NP	5/16	3/8	.390	.486
3/16	10LB5-45°-O-1/4	10LB5-45°-O-1/4-SS	10LB5-45°-O-1/4-316SS	10LB5-45°-O-1/4-NP	5/16	3/8	.433	.527



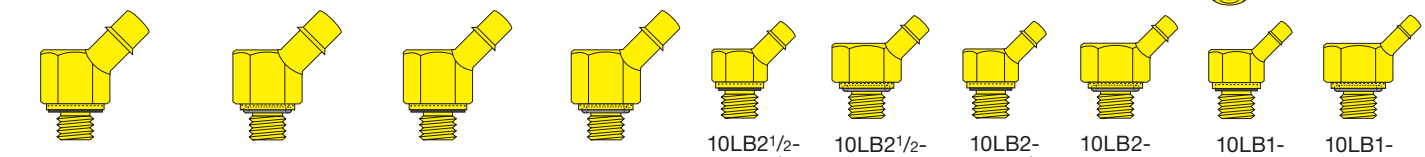
Gasket material options on page 65!

95 10-32 Thread to Tube Elbows with O-Ring Installed

Tube ID	Part Numbers				Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/16	10LB1-45°-O	10LB1-45°-O-SS	10LB1-45°-O-316SS	10LB1-45°-O-NP	15/64	5/16	.270	.343
5/64 / 2mm	10LB2-45°-O	10LB2-45°-O-SS	10LB2-45°-O-316SS	10LB2-45°-O-NP	15/64	5/16	.269	.343
3/32	10LB2 1/2-45°-O	10LB2 1/2-45°-O-SS	10LB2 1/2-45°-O-316SS	10LB2 1/2-45°-O-NP	15/64	5/16	.263	.343
1/8	10LB3-45°-O	10LB3-45°-O-SS	10LB3-45°-O-316SS	10LB3-45°-O-NP	5/16	5/16	.360	.486
5/32 / 4mm	10LB3 1/2-45°-O	10LB3 1/2-45°-O-SS	10LB3 1/2-45°-O-316SS	10LB3 1/2-45°-O-NP	5/16	5/16	.360	.486
.170	10LB4-45°-O	10LB4-45°-O-SS	10LB4-45°-O-316SS	10LB4-45°-O-NP	5/16	3/8	.390	.486
3/16	10LB5-45°-O	10LB5-45°-O-SS	10LB5-45°-O-316SS	10LB5-45°-O-NP	5/16	3/8	.433	.527

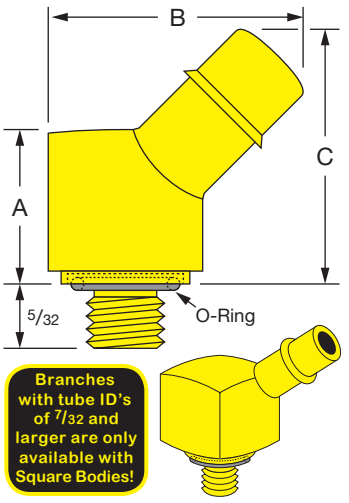


O-Ring material options on page 65!



96 10-32 Thread to Tube 45° Elbows (Square Body) with O-Ring Installed

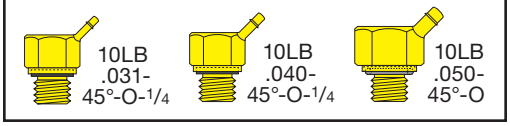
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
7/32	10LB5 1/2-45°-O	10LB5 1/2-45°-O-SS	10LB5 1/2-45°-O-316SS	10LB5 1/2-45°-O-NP	3/8	*Consult Factory*	
6mm	10LB5 3/4-45°-O	10LB5 3/4-45°-O-SS	10LB5 3/4-45°-O-316SS	10LB5 3/4-45°-O-NP	3/8	*Consult Factory*	
1/4	10LB6-45°-O	10LB6-45°-O-SS	10LB6-45°-O-316SS	10LB6-45°-O-NP	3/8	*Consult Factory*	



Branches with tube ID's of 7/32 and larger are only available with Square Bodies!

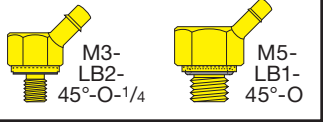
Note: for systems that do not allow the degree symbol (°) to be used, it can be substituted with 'DEG' in the part number.

Smaller branch sizes available!



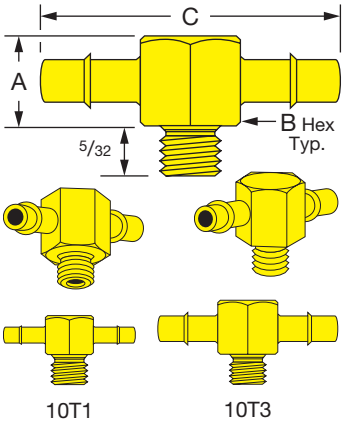
Lead times and minimum quantities apply! Consult factory for details!

Metric threads available!



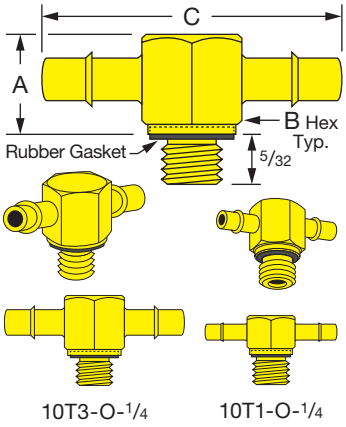
B

10-32 Thread to Tube Tees with Fibre Gasket Supplied 97



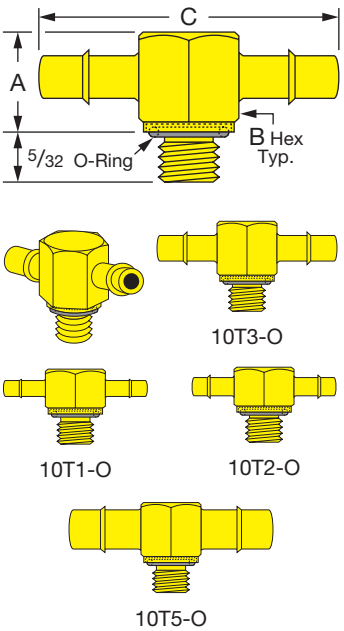
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	10T1	10T1-SS	10T1-316SS	10T1-NP	13/64	1/4	11/16
5/64 / 2mm	10T2	10T2-SS	10T2-316SS	10T2-NP	13/64	1/4	11/16
3/32	10T2	10T2 1/2-SS	10T2 1/2-316SS	10T2 1/2-NP	13/64	1/4	11/16
1/8	10T3	10T3-SS	10T3-316SS	10T3-NP	9/32	5/16	15/16
5/32 / 4mm	10T3 1/2	10T3 1/2-SS	10T3 1/2-316SS	10T3 1/2-NP	9/32	5/16	15/16
.170	10T4	10T4-SS	10T4-316SS	10T4-NP	9/32	5/16	1
3/16	10T5	10T5-SS	10T5-316SS	10T5-NP	9/32	5/16	1 1/16

10-32 Thread to Tube Tees with Captive Rubber Gasket Installed 98



Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	10T1-O-1/4	10T1-O-1/4-SS	10T1-O-1/4-316SS	10T1-O-1/4-NP	13/64	1/4	11/16
5/64 / 2mm	10T2-O-1/4	10T2-O-1/4-SS	10T2-O-1/4-316SS	10T2-O-1/4-NP	13/64	1/4	11/16
3/32	10T2 1/2-O-1/4	10T2 1/2-O-1/4-SS	10T2 1/2-O-1/4-316SS	10T2 1/2-O-1/4-NP	13/64	1/4	11/16
1/8	10T3-O-1/4	10T3-O-1/4-SS	10T3-O-1/4-316SS	10T3-O-1/4-NP	5/16	5/16	15/16
5/32 / 4mm	10T3 1/2-O-1/4	10T3 1/2-O-1/4-SS	10T3 1/2-O-1/4-316SS	10T3 1/2-O-1/4-NP	5/16	5/16	15/16
.170	10T4-O-1/4	10T4-O-1/4-SS	10T4-O-1/4-316SS	10T4-O-1/4-NP	5/16	5/16	1
3/16	10T5-O-1/4	10T5-O-1/4-SS	10T5-O-1/4-316SS	10T5-O-1/4-NP	5/16	5/16	1 1/16

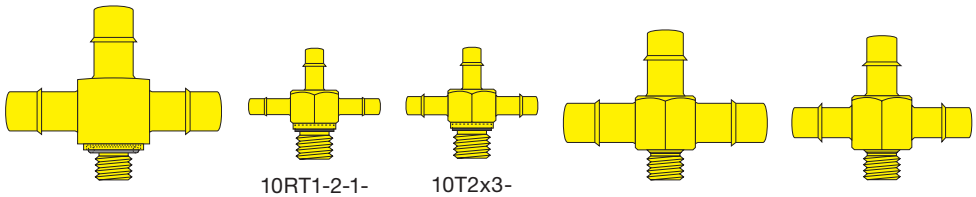
10-32 Thread to Tube Tees with O-Ring Installed 99



Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	10T1-O	10T1-O-SS	10T1-O-316SS	10T1-O-NP	15/64	5/16	3/4
5/64 / 2mm	10T2-O	10T2-O-SS	10T2-O-316SS	10T2-O-NP	15/64	5/16	3/4
3/32	10T2 1/2-O	10T2 1/2-O-SS	10T2 1/2-O-316SS	10T2 1/2-O-NP	15/64	5/16	3/4
1/8	10T3-O	10T3-O-SS	10T3-O-316SS	10T3-O-NP	5/16	5/16	15/16
5/32 / 4mm	10T3 1/2-O	10T3 1/2-O-SS	10T3 1/2-O-316SS	10T3 1/2-O-NP	5/16	5/16	15/16
.170	10T4-O	10T4-O-SS	10T4-O-316SS	10T4-O-NP	5/16	5/16	1
3/16	10T5-O	10T5-O-SS	10T5-O-316SS	10T5-O-NP	5/16	5/16	1 1/16

O-Ring material options are listed on page 65!

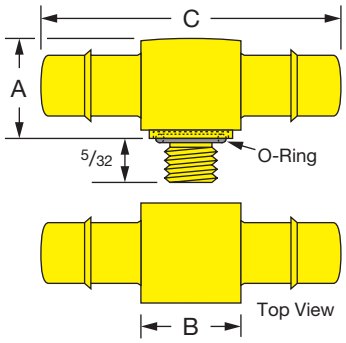
Three Branch Tees (Tx3) & Reducing Tees available! Consult factory for details!



B

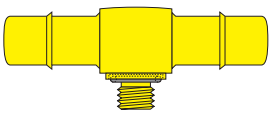
100 10-32 Thread to Tube Tees (Square Body) with O-Ring Installed

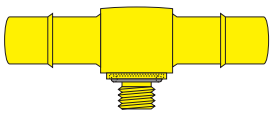
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Ref.	C Ref.
7/32	10T5 1/2-O	10T5 1/2-O-SS	10T5 1/2-O-316SS	10T5 1/2-O-NP	3/8	3/8	1 1/4
6mm	10T5 3/4-O	10T5 3/4-O-SS	10T5 3/4-O-316SS	10T5 3/4-O-NP	3/8	3/8	1 3/8
1/4	10T6-O	10T6-O-SS	10T6-O-316SS	10T6-O-NP	3/8	3/8	1 3/8

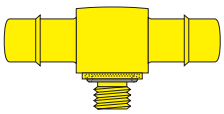


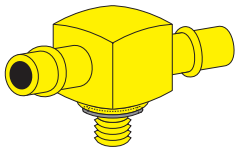
Note: 10-32 Thread to Tube Tees with tube ID's of 7/32 and larger are only available with Square Bodies!

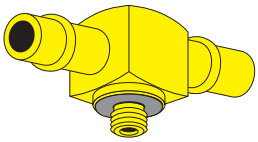
O-Ring material options are listed on page 65!


10T6-O


10T5 3/4-O


10T5 1/2-O

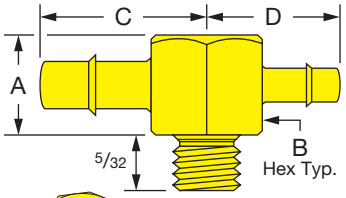


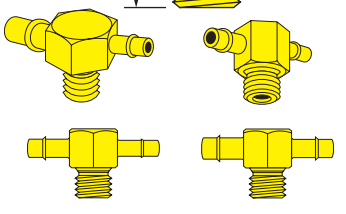


101 10-32 Thread to Tube Reducing Tees with Fibre Gasket Supplied

Larger Branch Options		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
5/64 / 2mm	2	13/64	1/4	11/32
3/32	2 1/2	13/64	1/4	11/32
1/8	3	9/32	5/16	15/32
5/32 / 4mm	3 1/2	9/32	5/16	15/32
.170	4	9/32	5/16	1/2
3/16	5	9/32	5/16	17/32

Smaller Branch Options		Dimensions (Reference)
Tube ID	Branch Number	D Ref.
1/16	1	11/32
5/64 / 2mm	2	11/32
3/32	2 1/2	11/32
1/8	3	15/32
5/32 / 4mm	3 1/2	15/32
.170	4	1/2

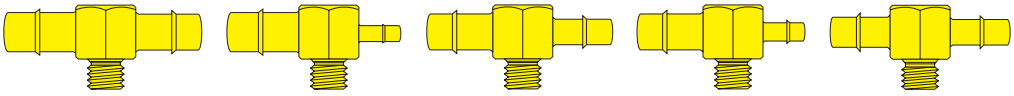


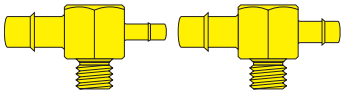


Part Numbers for 10-32 Thread to Tube Reducing Tees with Fibre Gasket Supplied:

Thread Size → 10 (Fitting Series) RT # - # ← Smaller Branch Number

(Larger Branch Number)

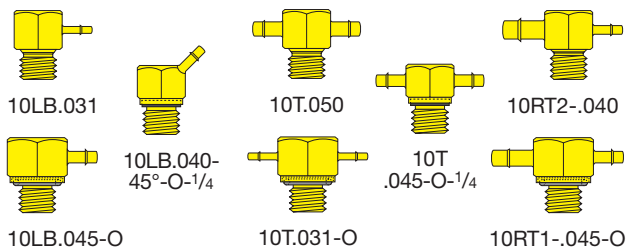




Unless otherwise specified, parts will be Brass. To order other materials, please add the following codes to the part number:

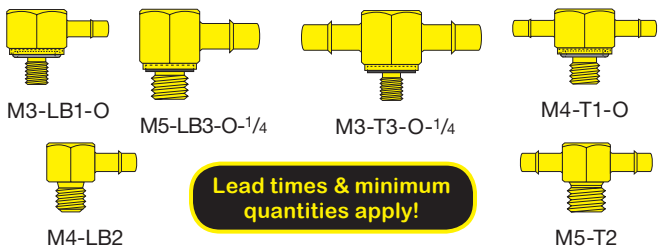
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

Elbows & Tees are available with smaller tube ID's!



Consult factory for details!

Metric Threads for Elbows & Tees available!

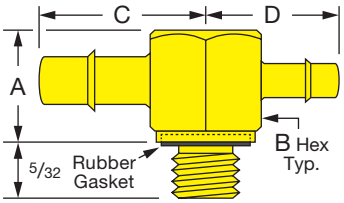


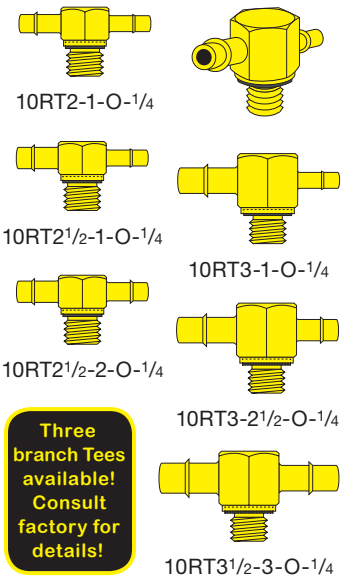
Lead times & minimum quantities apply!

Consult factory for details!

B

10-32 Thread to Tube Reducing Tees with Captive Rubber Gasket Installed 102





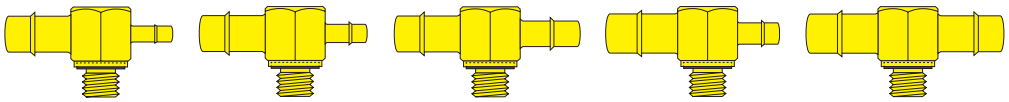
Three branch Tees available! Consult factory for details!

Larger Branch		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
5/64 / 2mm	2	13/64	1/4	11/32
3/32	2 1/2	13/64	1/4	11/32
1/8	3	5/16	5/16	15/32
5/32 / 4mm	3 1/2	5/16	5/16	15/32
.170	4	5/16	5/16	1/2
3/16	5	5/16	5/16	17/32

Smaller Branch		Dimensions (Reference)
Tube ID	Branch Number	D Ref.
1/16	1	11/16
5/64 / 2mm	2	11/16
3/32	2 1/2	11/32
1/8	3	15/32
5/32 / 4mm	3 1/2	15/32
.170	4	1/2

Part Numbers for 10-32 Thread to Tube Reducing Tees with Rubber Gasket Installed:

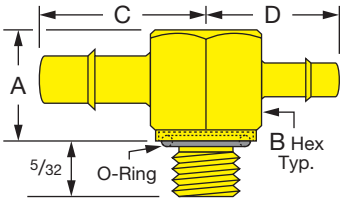
Thread Size → 10 (Fitting Series) RT # (Larger Branch #) - # (Smaller Branch #) - O-1/4 (Rubber Gasket Indicator)

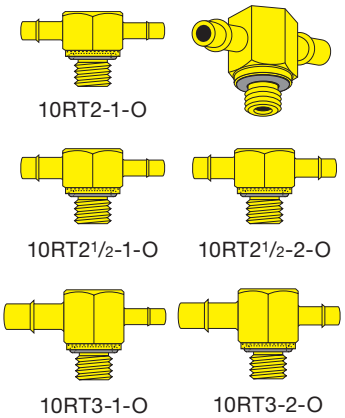


Material options listed below!

Metric Threads available! Consult factory for details!

10-32 Thread to Tube Reducing Tees with O-Ring Installed 103





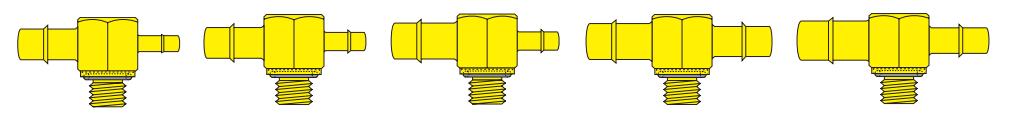
O-Ring material options are listed on page 65!

Larger Branch		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
5/64 / 2mm	2	15/64	5/16	3/8
3/32	2 1/2	15/64	5/16	3/8
1/8	3	5/16	5/16	15/32
5/32 / 4mm	3 1/2	5/16	5/16	15/32
.170	4	5/16	5/16	1/2
3/16	5	5/16	5/16	17/32

Smaller Branch		Dimensions (Reference)
Tube ID	Branch Number	D Ref.
1/16	1	3/8
5/64 / 2mm	2	3/8
3/32	2 1/2	3/8
1/8	3	15/32
5/32 / 4mm	3 1/2	15/32
.170	4	1/2

Part Numbers for 10-32 Thread to Tube Reducing Tees with O-Ring Installed:

Thread Size → 10 (Fitting Series) RT # (Larger Branch #) - # (Smaller Branch #) - O (O-Ring Indicator)



Unless otherwise specified, parts will be Brass. To order other materials, please add the following codes to the part number:

-SS = Stainless Steel 303 **-316SS** = Stainless Steel 316 **-NP** = Electroless Nickel Plate

B

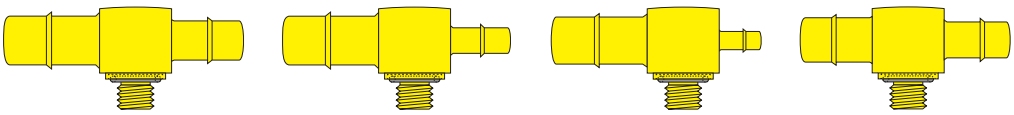
104 10-32 Thread to Tube Reducing Tees Square Body with O-Ring Installed

Larger Branch		Dimensions (Reference)	
Tube ID	Branch #	A Ref.	B Ref.
7/32	5 1/2	3/8	9/16
6mm	5 3/4	3/8	11/16
1/4	6	3/8	11/16

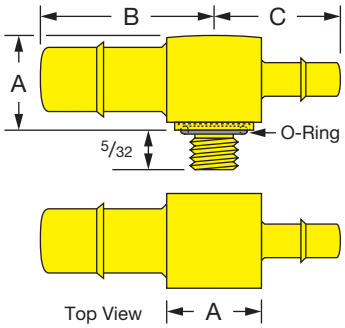
Smaller Branch		Dim. (Ref.)
Tube ID	Branch #	C Ref.
1/16	1	19/32
5/64 / 2mm	2	19/32
3/32	2 1/2	19/32

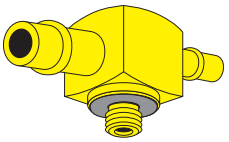
Smaller Branch		Dim. (Ref.)
Tube ID	Branch #	C Ref.
1/8	3	11/16
5/32 / 4mm	3 1/2	11/16
.170	4	25/32

Smaller Branch		Dim. (Ref.)
Tube ID	Branch #	C Ref.
3/16	5	5/8
7/32	5 1/2	7/8
6mm	5 3/4	7/8



10RT6-5-O | 10RT6-3-O | 10RT5 3/4-2-O | 10RT5 1/2-4-O





Part Numbers for 10-32 Thread to Tube Reducing Tees with O-Ring Installed:

Thread Size → **10** (Fitting Series) **RT** **#** (Larger Branch #) **-** **#** (Smaller Branch #) **-** **O** ← O-Ring Indicator

Unless otherwise specified, parts will be Brass.
To order other materials, please add the following codes to the end of the part number:
-SS = Stainless Steel 303 **-316SS** = Stainless Steel 316 **-NP** = Electroless Nickel Plate

Note: 10-32 Thread to Tube Reducing Tees having any branch with tube ID's of 7/32 or larger are only available with Square Bodies!

NOTE:
There is an additional cost for non-standard O-Ring and Gasket materials. Other material options are be available for Gaskets and O-Rings! Example: Brass, Stainless Steel, or other compounds. Consult factory for details!

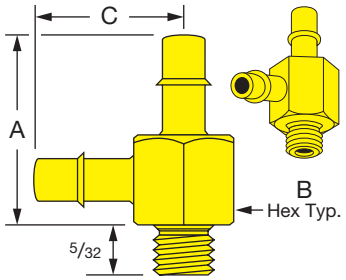
The standard material for O-Ring & Gasket seals:
Buna-N
Other available options:
EPDM • Viton
Silicon
Teflon® • Aflas®

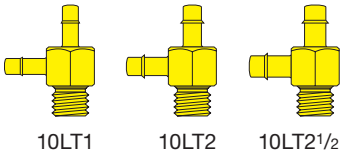
USP Class VI FDA Silicon, Viton, and USP Class VI FDA White Viton O-Rings available upon request! Consult factory for details!

NSF-51 & NSF-61 approved Buna-N & EPDM O-Rings are available upon request on some series! Consult factory for details!

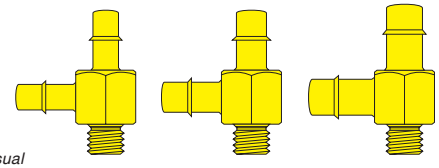
105 10-32 Thread to Tube L-Tees with Fibre Gasket Supplied

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	10LT1	10LT1-SS	10LT1-316SS	10LT1-NP	27/64	1/4	11/32
5/64 / 2mm	10LT2	10LT2-SS	10LT2-316SS	10LT2-NP	27/64	1/4	11/32
3/32	10LT2 1/2	10LT2 1/2-SS	10LT2 1/2-316SS	10LT2 1/2-NP	27/64	1/4	11/32
1/8	10LT3	10LT3-SS	10LT3-316SS	10LT3-NP	19/32	5/16	15/32
5/32 / 4mm	10LT3 1/2	10LT3 1/2-SS	10LT3 1/2-316SS	10LT3 1/2-NP	19/32	5/16	15/32
.170	10LT4	10LT4-SS	10LT4-316SS	10LT4-NP	5/8	5/16	1/2



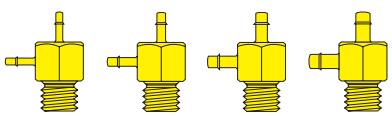


10LT1 | 10LT2 | 10LT2 1/2



10LT3 | 10LT3 1/2 | 10LT4

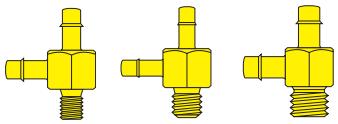
Smaller tube ID's available!



10LT.031 | 10LT.040 | 10LT.045 | 10LT.050

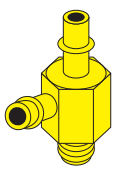
Consult factory for details!

Metric threads available!



M3-LT2 | M4-LT1 | M5-LT2 1/2

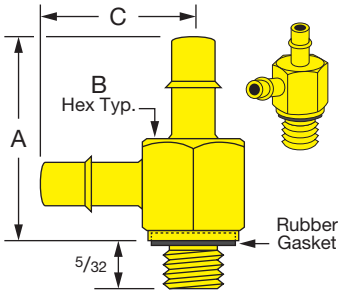
Consult factory for details!



Note:
Images are for visual representation only.

B

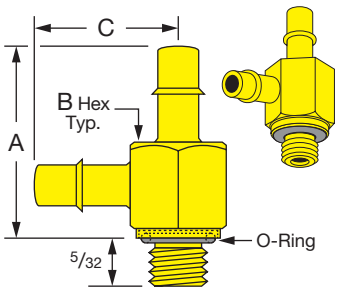
10-32 Thread to Tube L-Tees with Captive Rubber Gasket Installed 106



Gasket material options are listed on page 65!

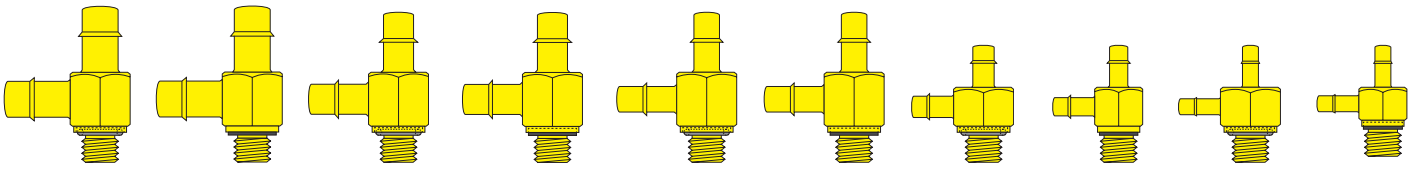
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	10LT1-O-1/4	10LT1-O-1/4-SS	10LT1-O-1/4-316SS	10LT1-O-1/4-NP	29/64	1/4	11/32
5/64 / 2mm	10LT2-O-1/4	10LT2-O-1/4-SS	10LT2-O-1/4-316SS	10LT2-O-1/4-NP	29/64	1/4	11/32
3/32	10LT2 1/2-O-1/4	10LT2 1/2-O-1/4-SS	10LT2 1/2-O-1/4-316SS	10LT2 1/2-O-1/4-NP	29/64	1/4	11/32
1/8	10LT3-O-1/4	10LT3-O-1/4-SS	10LT3-O-1/4-316SS	10LT3-O-1/4-NP	19/32	5/16	15/32
5/32 / 4mm	10LT3 1/2-O-1/4	10LT3 1/2-O-1/4-SS	10LT3 1/2-O-1/4-316SS	10LT3 1/2-O-1/4-NP	19/32	5/16	15/32
.170	10LT4-O-1/4	10LT4-O-1/4-SS	10LT4-O-1/4-316SS	10LT4-O-1/4-NP	5/8	5/16	1/2

10-32 Thread to Tube L-Tees with O-Ring Installed 107



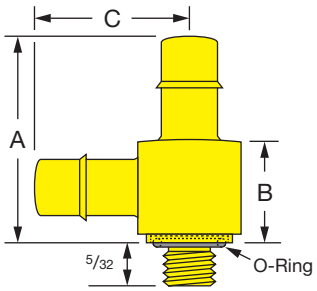
O-Ring material options are listed on page 65!

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	10LT1-O	10LT1-O-SS	10LT1-O-316SS	10LT1-O-NP	29/64	5/16	3/8
5/64 / 2mm	10LT2-O	10LT2-O-SS	10LT2-O-316SS	10LT2-O-NP	29/64	5/16	3/8
3/32	10LT2 1/2-O	10LT2 1/2-O-SS	10LT2 1/2-O-316SS	10LT2 1/2-O-NP	29/64	5/16	3/8
1/8	10LT3-O	10LT3-O-SS	10LT3-O-316SS	10LT3-O-NP	19/32	5/16	15/32
5/32 / 4mm	10LT3 1/2-O	10LT3 1/2-O-SS	10LT3 1/2-O-316SS	10LT3 1/2-O-NP	19/32	5/16	15/32
.170	10LT4-O	10LT4-O-SS	10LT4-O-316SS	10LT4-O-NP	5/8	5/16	1/2

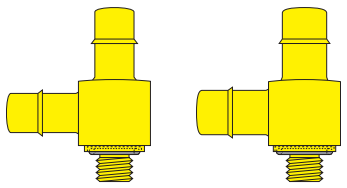


10LT4-O | 10LT4-O-1/4 | 10LT3 1/2-O | 10LT3 1/2-O-1/4 | 10LT3-O | 10LT3-O-1/4 | 10LT2 1/2-O | 10LT2-O-1/4 | 10LT1-O | 10LT1-O-1/4

10-32 Thread to Tube Square Body L-Tees with O-Ring Installed 108

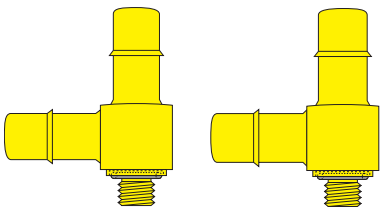


Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Ref.	C Ref.
3/16	10LT5-O	10LT5-O-SS	10LT5-O-316SS	10LT5-O-NP	3/4	3/8	9/16
7/32	10LT5 1/2-O	10LT5 1/2-O-SS	10LT5 1/2-O-316SS	10LT5 1/2-O-NP	3/4	3/8	9/16
6mm	10LT5 3/4-O	10LT5 3/4-O-SS	10LT5 3/4-O-316SS	10LT5 3/4-O-NP	7/8	3/8	11/16
1/4	10LT6-O	10LT6-O-SS	10LT6-O-316SS	10LT6-O-NP	7/8	3/8	11/16



10LT5-O | 10LT5 1/2-O

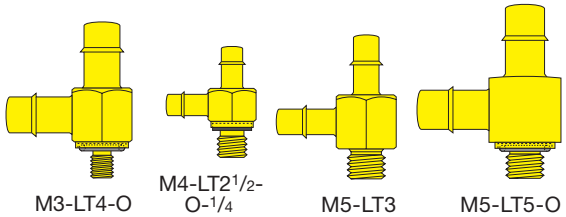
10-32 L-Tees with tube ID's of 3/16 & larger are only available with Square Bodies!



10LT5 3/4-O | 10LT6-O

O-Ring options: see page 65!

Metric threads available! Consult factory for details!



M3-LT4-O | M4-LT2 1/2-O-1/4 | M5-LT3 | M5-LT5-O

B

109 10-32 Thread to Tube Reducing L-Tees with Fibre Gasket Supplied

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/16	1	Consult Factory		
5/64 / 2mm	2	Consult Factory		
3/32	2 1/2	Consult Factory		
1/8	3	Consult Factory		

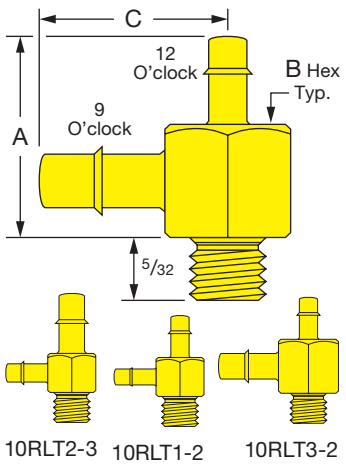
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
5/32 / 4mm	3 1/2	Consult Factory		
.170	4	Consult Factory		
3/16	5	Consult Factory		

Material options are listed below!

Part Numbers for 10-32 Reducing L-Tees with Fibre Gasket Supplied:

Thread Size → 10 RLT # - # ← 12 O'clock Branch #

RLT: Fitting Series; #: 9 O'clock Branch #



10RLT2-3 10RLT1-2 10RLT3-2

110 10-32 Thread to Tube Reducing L-Tees with Captive Rubber Gasket Installed

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/16	1	Consult Factory		
5/64 / 2mm	2	Consult Factory		
3/32	2 1/2	Consult Factory		
1/8	3	Consult Factory		

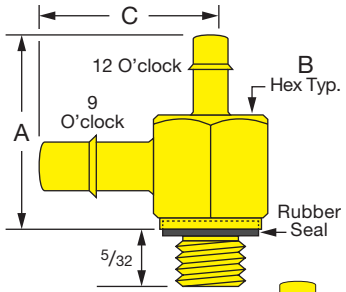
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
5/32 / 4mm	3 1/2	Consult Factory		
.170	4	Consult Factory		
3/16	5	Consult Factory		

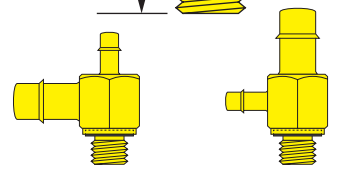
Material options are listed below!

Part Numbers for 10-32 Reducing L-Tees with Rubber Gasket Installed:

Thread Size → 10 RLT # - # - O-1/4 ← Rubber Gasket Indicator

RLT: Fitting Series; #: 9 O'clock Branch #; #: 12 O'clock Branch #





10RLT4-2-O-1/4 10RLT2-4-O-1/4

111 10-32 Thread to Tube Reducing L-Tees with O-Ring Installed

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/16	1	Consult Factory		
5/64 / 2mm	2	Consult Factory		
3/32	2 1/2	Consult Factory		
1/8	3	Consult Factory		

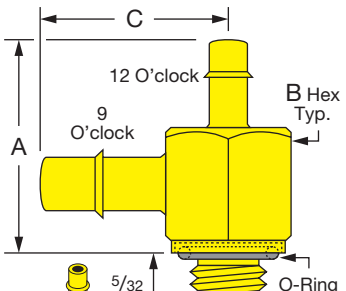
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
5/32 / 4mm	3 1/2	Consult Factory		
.170	4	Consult Factory		
3/16	5	Consult Factory		

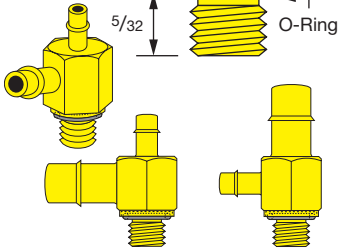
O-Ring options are listed on page 65!

Part Numbers for 10-32 Reducing L-Tees with O-Ring Installed:

Thread Size → 10 RLT # - # - O ← O-Ring Indicator

RLT: Fitting Series; #: 9 O'clock Branch #; #: 12 O'clock Branch #





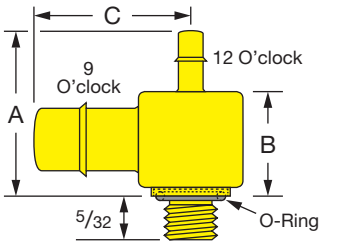
10RLT5-2 1/2-O 10RLT2 1/2-5-O

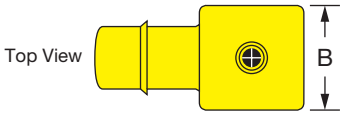
Metric threads available! Consult factory for details! Smaller tube ID's available!

Unless otherwise specified, parts will be Brass. To order other materials, please add the following codes to the part number:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

B

10-32 Thread to Tube Square Body Reducing L-Tees with O-Ring Installed 112





O-Ring options on page 65!

Larger Branch		Dimensions (Reference)	
Tube ID	Branch #	A Ref.	B Ref.
7/32	5 1/2	9/16	3/8
6mm	5 3/4	11/16	3/8
1/4	6	11/16	3/8

Smaller Branch		Dim. (Ref.)
Tube ID	Branch #	C Ref.
1/16	1	19/32
5/64 / 2mm	2	19/32
3/32	2 1/2	19/32

Smaller Branch		Dim. (Ref.)
Tube ID	Branch #	C Ref.
1/8	3	11/16
5/32 / 4mm	3 1/2	11/16
.170	4	25/32

Smaller Branch		Dim. (Ref.)
Tube ID	Branch #	C Ref.
3/16	5	5/8
7/32	5 1/2	7/8
6mm	5 3/4	7/8

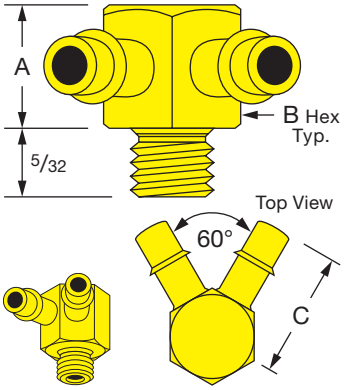
10-32 Thread L-Tees with tube ID's of 7/32 and higher are only available with Square Bodies!

Part Numbers for 10-32 Thread to Tube Reducing L-Tees with O-Ring Installed:

Thread Size → 10 (Fitting Series) RLT # (9 O'clock Branch #) - # (12 O'clock Branch #) - O (O-Ring Indicator)

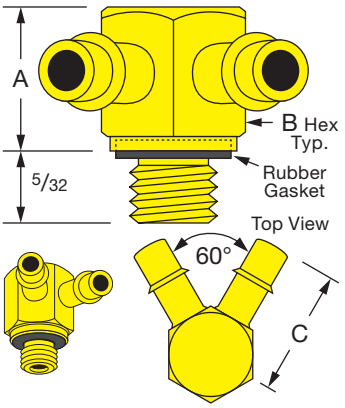
Unless otherwise specified, parts will be Brass. To order other materials, please add the following codes to the part number:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

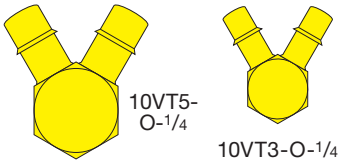
10-32 Thread to Tube V-Tees with Fibre Gasket Supplied 113



Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	10VT1	10VT1-SS	10VT1-316SS	10VT1-NP	13/64	1/4	Consult Factory
5/64 / 2mm	10VT2	10VT2-SS	10VT2-316SS	10VT2-NP	13/64	1/4	
3/32	10VT2 1/2	10VT2 1/2-SS	10VT2 1/2-316SS	10VT2 1/2-NP	13/64	1/4	
1/8	10VT3	10VT3-SS	10VT3-316SS	10VT3-NP	9/32	5/16	
5/32 / 4mm	10VT3 1/2	10VT3 1/2-SS	10VT3 1/2-316SS	10VT3 1/2-NP	9/32	5/16	
.170	10VT4	10VT4-SS	10VT4-316SS	10VT4-NP	5/8	7/16	
3/16	10VT5	10VT5-SS	10VT5-316SS	10VT5-NP	9/32	7/16	

10-32 Thread to Tube V-Tees with Captive Rubber Gasket Installed 114

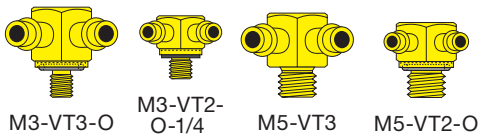




Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	10VT1-O-1/4	10VT1-O-1/4-SS	10VT1-O-1/4-316SS	10VT1-O-1/4-NP	13/64	1/4	Consult Factory
5/64 / 2mm	10VT2-O-1/4	10VT2-O-1/4-SS	10VT2-O-1/4-316SS	10VT2-O-1/4-NP	13/64	1/4	
3/32	10VT2 1/2-O-1/4	10VT2 1/2-O-1/4-SS	10VT2 1/2-O-1/4-316SS	10VT2 1/2-O-1/4-NP	13/64	1/4	
1/8	10VT3-O-1/4	10VT3-O-1/4-SS	10VT3-O-1/4-316SS	10VT3-O-1/4-NP	5/16	5/16	
5/32 / 4mm	10VT3 1/2-O-1/4	10VT3 1/2-O-1/4-SS	10VT3 1/2-O-1/4-316SS	10VT3 1/2-O-1/4-NP	5/16	5/16	
.170	10VT4-O-1/4	10VT4-O-1/4-SS	10VT4-O-1/4-316SS	10VT4-O-1/4-NP	5/16	7/16	
3/16	10VT5-O-1/4	10VT5-O-1/4-SS	10VT5-O-1/4-316SS	10VT5-O-1/4-NP	5/16	7/16	

Smaller Tube ID's available! Lead times and minimum quantities may apply! Consult factory for details!

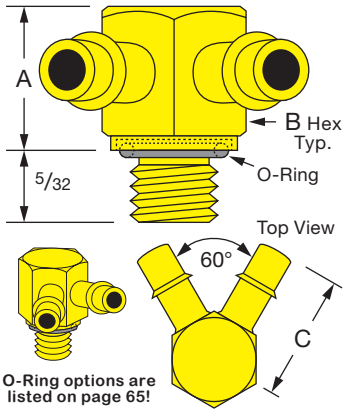
Metric threads available! Consult factory for details!



B

115 10-32 Thread to Tube V-Tees with O-Ring Installed

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	10VT1-O	10VT1-O-SS	10VT1-O-316SS	10VT1-O-NP	15/64	5/16	Consult Factory
5/64 / 2mm	10VT2-O	10VT2-O-SS	10VT2-O-316SS	10VT2-O-NP	15/64	5/16	
3/32	10VT2 1/2-O	10VT2 1/2-O-SS	10VT2 1/2-O-316SS	10VT2 1/2-O-NP	15/64	5/16	
1/8	10VT3-O	10VT3-O-SS	10VT3-O-316SS	10VT3-O-NP	5/16	5/16	
5/32 / 4mm	10VT3 1/2-O	10VT3 1/2-O-SS	10VT3 1/2-O-316SS	10VT3 1/2-O-NP	5/16	5/16	
.170	10VT4-O	10VT4-O-SS	10VT4-O-316SS	10VT4-O-NP	5/16	7/16	
3/16	10VT5-O	10VT5-O-SS	10VT5-O-316SS	10VT5-O-NP	5/16	7/16	



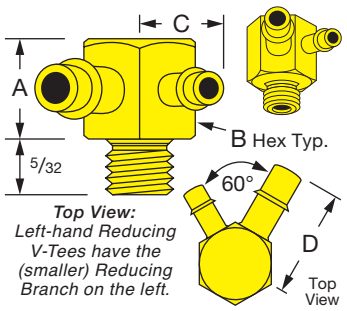
O-Ring options are listed on page 65!

116 10-32 Thread to Tube Reducing Left-Hand V-Tees with Fibre Gasket Supplied

Tube ID	Branch Number	Dimensions (Reference) A Ref.	B Typ.	C Ref.	D Ref.
1/16	1	Consult Factory			
5/64 / 2mm	2	Consult Factory			
3/32	2 1/2	Consult Factory			
1/8	3	Consult Factory			

Tube ID	Branch Number	Dimensions (Reference) A Ref.	B Typ.	C Ref.	D Ref.
5/32 / 4mm	3 1/2	Consult Factory			
.170	4	Consult Factory			
3/16	5	Consult Factory			

Material options are listed on next page!



Top View: Left-hand Reducing V-Tees have the (smaller) Reducing Branch on the left.

Part Numbers for 10-32 Reducing Left-Hand V-Tees with Fibre Gasket Supplied:

Thread Size → 10 — Fitting Series → RVT — # (Larger Branch #) - # (Smaller Branch #) — LH ← Left-Hand Indicator

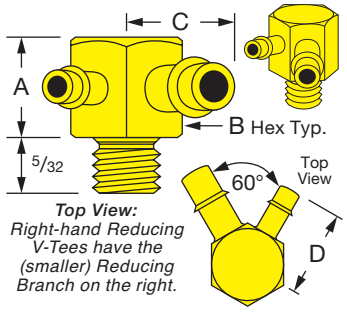


117 10-32 Thread to Tube Reducing Right-Hand V-Tees with Fibre Gasket Supplied

Tube ID	Branch Number	Dimensions (Reference) A Ref.	B Typ.	C Ref.	D Ref.
1/16	1	Consult Factory			
5/64 / 2mm	2	Consult Factory			
3/32	2 1/2	Consult Factory			
1/8	3	Consult Factory			

Tube ID	Branch Number	Dimensions (Reference) A Ref.	B Typ.	C Ref.	D Ref.
5/32 / 4mm	3 1/2	Consult Factory			
.170	4	Consult Factory			
3/16	5	Consult Factory			

Material options are listed on next page!

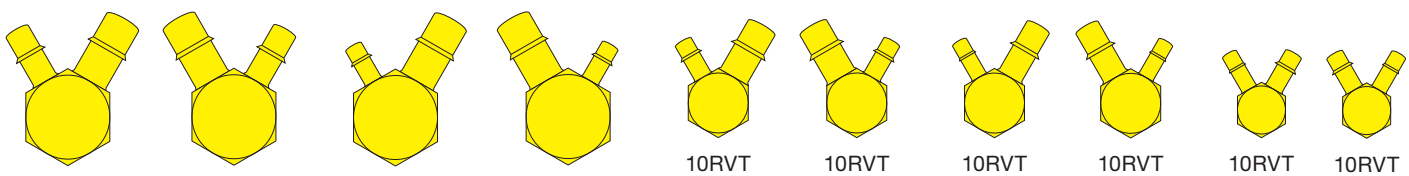


Top View: Right-hand Reducing V-Tees have the (smaller) Reducing Branch on the right.

Part Numbers for 10-32 Reducing Right-Hand V-Tees with Fibre Gasket Supplied:

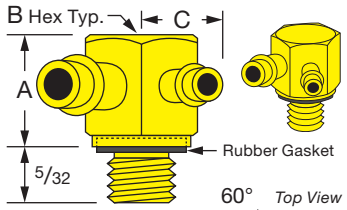
Thread Size → 10 — Fitting Series → RVT — # (Larger Branch #) - # (Smaller Branch #) — RH ← Right-Hand Indicator





B

10-32 Thread to Tube Reducing Left-Hand V-Tees with Captive Rubber Gasket Installed 118



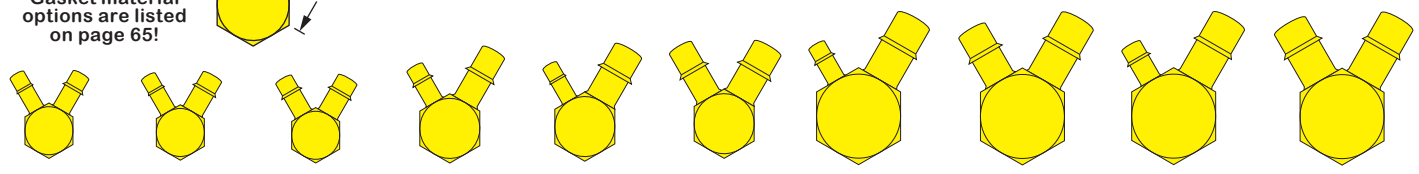
Top View: Left-hand Reducing V-Tees have the (smaller) Reducing Branch on the left.

Gasket material options are listed on page 65!

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/16	1	Consult Factory			
5/64 / 2mm	2	Consult Factory			
3/32	2 1/2	Consult Factory			
1/8	3	Consult Factory			

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
5/32 / 4mm	3 1/2	Consult Factory			
.170	4	Consult Factory			
3/16	5	Consult Factory			

Material options are listed below!

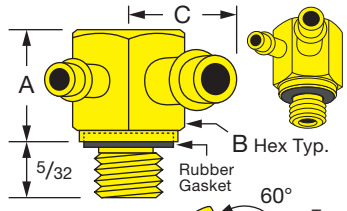


10RVT2-1-LH-O-1/4 | 10RVT2 1/2-1-LH-O-1/4 | 10RVT2 1/2-2-LH-O-1/4 | 10VRT3-2-LH-O-1/4 | 10RVT3 1/2-1-LH-O-1/4 | 10RVT3 1/2-3-LH-O-1/4 | 10RVT4-2-LH-O-1/4 | 10RVT4-3 1/2-LH-O-1/4 | 10RVT5-2 1/2-LH-O-1/4 | 10RVT5-4-LH-O-1/4

Part Numbers for 10-32 Thread to Tube Reducing Left-Hand V-Tees with Rubber Gasket Installed:

Thread Size → **10** (Fitting Series) **RVT** — **#** (Larger Branch #) - **#** (Smaller Branch #) - **LH** (Left-Hand Indicator) - **O-1/4** (Rubber Gasket Indicator)

10-32 Thread to Tube Reducing Right-Hand V-Tees with Captive Rubber Gasket Installed 119



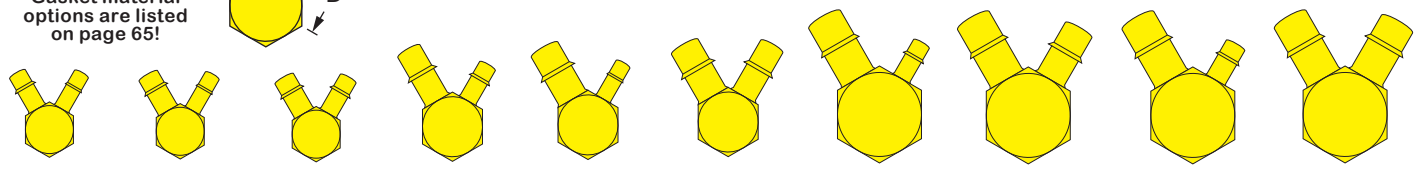
Top View: Right-hand Reducing V-Tees have the (smaller) Reducing Branch on the right.

Gasket material options are listed on page 65!

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/16	1	Consult Factory			
5/64 / 2mm	2	Consult Factory			
3/32	2 1/2	Consult Factory			
1/8	3	Consult Factory			

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
5/32 / 4mm	3 1/2	Consult Factory			
.170	4	Consult Factory			
3/16	5	Consult Factory			

Material options are listed below!



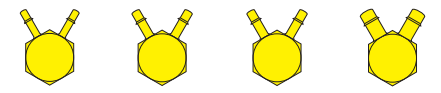
10RVT2-1-RH-O-1/4 | 10RVT2 1/2-1-RH-O-1/4 | 10RVT2 1/2-2-RH-O-1/4 | 10VRT3-2-RH-O-1/4 | 10RVT3 1/2-1-RH-O-1/4 | 10RVT3 1/2-3-RH-O-1/4 | 10RVT4-2-RH-O-1/4 | 10RVT4-3 1/2-RH-O-1/4 | 10RVT5-2 1/2-RH-O-1/4 | 10RVT5-4-RH-O-1/4

Part Numbers for 10-32 Thread to Tube Reducing Right-Hand V-Tees with Rubber Gasket Installed:

Thread Size → **10** (Fitting Series) **RVT** — **#** (Larger Branch #) - **#** (Smaller Branch #) - **RH** (Right-Hand Indicator) - **O-1/4** (Rubber Gasket Indicator)

Unless otherwise specified, parts will be Brass. To order other materials, please add the following codes to the part number:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

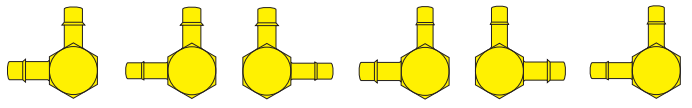
V-Tees with smaller tube ID's available!



10VT.031-O-1/4 | 10VT.040-O-1/4 | 10VT.045-O-1/4 | 10VT.050-O-1/4

Lead times and minimum quantities apply! Consult factory for details!

Custom 90° V-Tees and Reducing V-Tees available!



10VT2-90° | 10RVT2-1-90°-LH | 10RVT2-1-90°-RH | 10RVT1-2-90°-LH | 10RVT1-2-90°-RH | 10VT1-90°

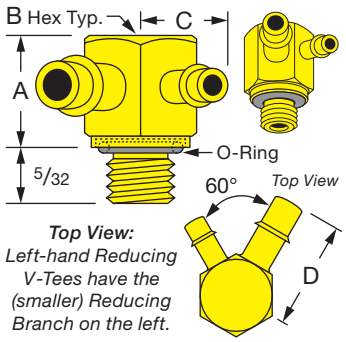
B

120 10-32 Thread to Tube Reducing Left-Hand V-Tees with O-Ring Installed

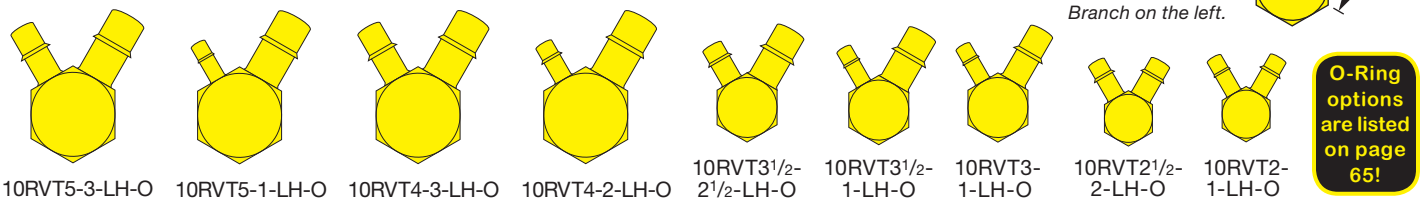
Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/16	1	Consult Factory			
5/64 / 2mm	2	Consult Factory			
3/32	2 1/2	Consult Factory			
1/8	3	Consult Factory			

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
5/32 / 4mm	3 1/2	Consult Factory			
.170	4	Consult Factory			
3/16	5	Consult Factory			

Material options are listed below!



Top View:
Left-hand Reducing V-Tees have the (smaller) Reducing Branch on the left.



10RVT5-3-LH-O | 10RVT5-1-LH-O | 10RVT4-3-LH-O | 10RVT4-2-LH-O | 10RVT3 1/2-2 1/2-LH-O | 10RVT3 1/2-1-LH-O | 10RVT3-1-LH-O | 10RVT2 1/2-2-LH-O | 10RVT2-1-LH-O

O-Ring options are listed on page 65!

Part Numbers for 10-32 Thread to Tube Reducing Left-Hand V-Tees with O-Ring Installed:

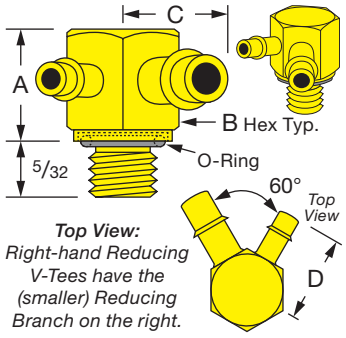
Thread Size → 10 (Fitting Series) RVT # (Larger Branch #) - # (Smaller Branch #) - LH (Left-Hand Indicator) - O (O-Ring Indicator)

121 10-32 Thread to Tube Reducing Right-Hand V-Tees with O-Ring Installed

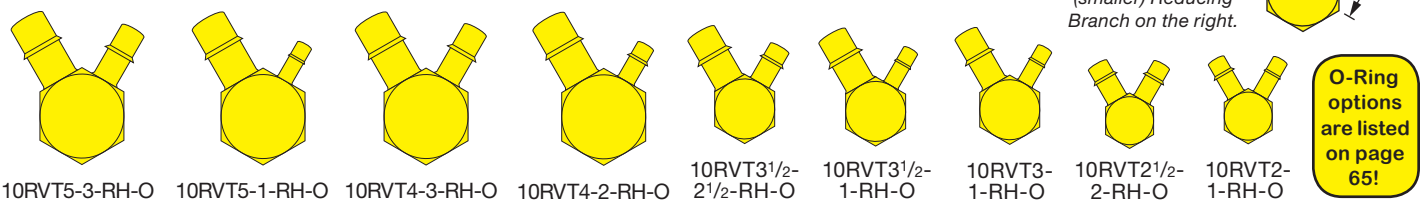
Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/16	1	Consult Factory			
5/64 / 2mm	2	Consult Factory			
3/32	2 1/2	Consult Factory			
1/8	3	Consult Factory			

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
5/32 / 4mm	3 1/2	Consult Factory			
.170	4	Consult Factory			
3/16	5	Consult Factory			

Material options are listed below!



Top View:
Right-hand Reducing V-Tees have the (smaller) Reducing Branch on the right.



10RVT5-3-RH-O | 10RVT5-1-RH-O | 10RVT4-3-RH-O | 10RVT4-2-RH-O | 10RVT3 1/2-2 1/2-RH-O | 10RVT3 1/2-1-RH-O | 10RVT3-1-RH-O | 10RVT2 1/2-2-RH-O | 10RVT2-1-RH-O

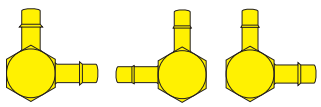
O-Ring options are listed on page 65!

Part Numbers for 10-32 Thread to Tube Reducing Right-Hand V-Tees with O-Ring Installed:

Thread Size → 10 (Fitting Series) RVT # (Larger Branch #) - # (Smaller Branch #) - RH (Right-Hand Indicator) - O (O-Ring Indicator)

Unless otherwise specified, parts will be Brass. To order other materials, please add the following codes to the part number:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

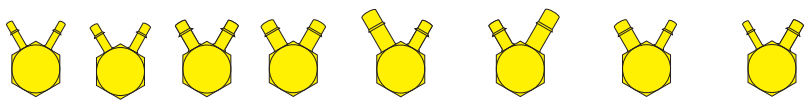
90° V-Tees also available!



10VT2-90°-O | 10VT1-90°-O | 10RVT1-2-90°-RH-O

Lead times and minimum quantities apply! Consult factory for details!

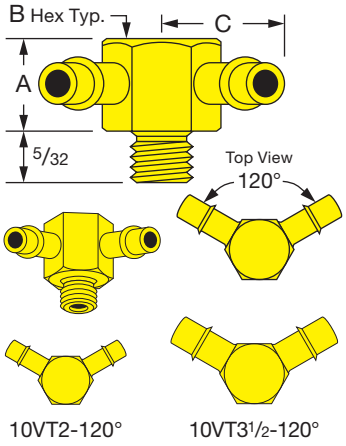
V-Tees & Reducing V-Tees also available with smaller tube ID's!



10VT .031-O | 10VT .040-O | 10VT .045-O | 10VT .050-O | 10RVT1-.045-RH-O | 10RVT1-.045-LH-O | 10RVT.050-.040-RH-O | 10RVT.045 .031-LH-O

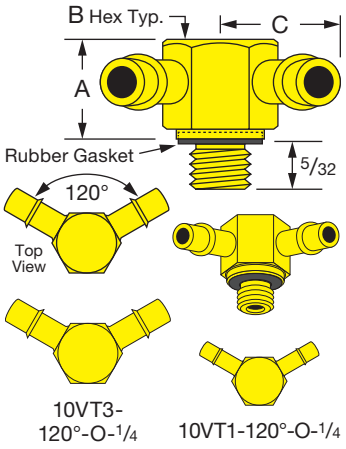
B

10-32 Thread to Tube 120° V-Tees with Fibre Gasket Supplied 122



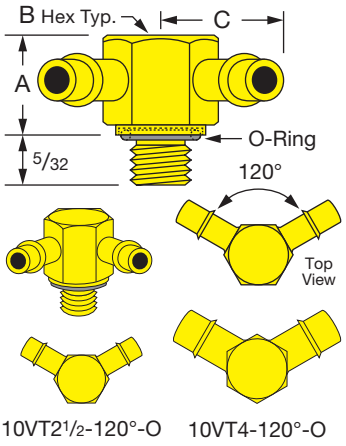
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	10VT1-120°	10VT1-120°-SS	10VT1-120°-316SS	10VT1-120°-NP	13/64	1/4	11/16
5/64 / 2mm	10VT2-120°	10VT2-120°-SS	10VT2-120°-316SS	10VT2-120°-NP	13/64	1/4	11/16
3/32	10VT2½-120°	10VT2½-120°-SS	10VT2½-120°-316SS	10VT2½-120°-NP	13/64	1/4	11/16
1/8	10VT3-120°	10VT3-120°-SS	10VT3-120°-316SS	10VT3-120°-NP	9/32	5/16	15/16
5/32 / 4mm	10VT3½-120°	10VT3½-120°-SS	10VT3½-120°-316SS	10VT3½-120°-NP	9/32	5/16	15/16
.170	10VT4-120°	10VT4-120°-SS	10VT4-120°-316SS	10VT4-120°-NP	9/32	5/16	1
3/16	10VT5-120°	10VT5-120°-SS	10VT5-120°-316SS	10VT5-120°-NP	9/32	5/16	1 1/16

10-32 Thread to Tube 120° V-Tees with Captive Rubber Gasket Installed 123



Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	10VT1-120°-O-1/4	10VT1-120°-O-1/4-SS	10VT1-120°-O-1/4-316SS	10VT1-120°-O-1/4-NP	13/64	1/4	11/32
5/64 / 2mm	10VT2-120°-O-1/4	10VT2-120°-O-1/4-SS	10VT2-120°-O-1/4-316SS	10VT2-120°-O-1/4-NP	13/64	1/4	11/32
3/32	10VT2½-120°-O-1/4	10VT2½-120°-O-1/4-SS	10VT2½-120°-O-1/4-316SS	10VT2½-120°-O-1/4-NP	13/64	1/4	11/32
1/8	10VT3-120°-O-1/4	10VT3-120°-O-1/4-SS	10VT3-120°-O-1/4-316SS	10VT3-120°-O-1/4-NP	5/16	5/16	15/32
5/32 / 4mm	10VT3½-120°-O-1/4	10VT3½-120°-O-1/4-SS	10VT3½-120°-O-1/4-316SS	10VT3½-120°-O-1/4-NP	5/16	5/16	15/32
.170	10VT4-120°-O-1/4	10VT4-120°-O-1/4-SS	10VT4-120°-O-1/4-316SS	10VT4-120°-O-1/4-NP	5/16	5/16	1/2
3/16	10VT5-120°-O-1/4	10VT5-120°-O-1/4-SS	10VT5-120°-O-1/4-316SS	10VT5-120°-O-1/4-NP	5/16	5/16	17/32

10-32 Thread to Tube 120° V-Tees with O-Ring Installed 124

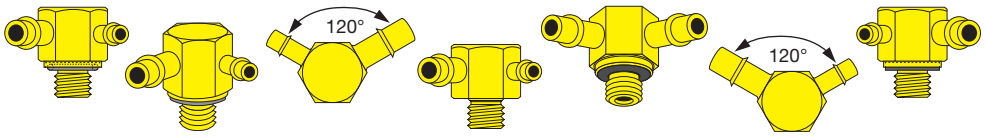


Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	10VT1-120°-O	10VT1-120°-O-SS	10VT1-120°-O-316SS	10VT1-120°-O-NP	15/64	5/16	3/8
5/64 / 2mm	10VT2-120°-O	10VT2-120°-O-SS	10VT2-120°-O-316SS	10VT2-120°-O-NP	15/64	5/16	3/8
3/32	10VT2½-120°-O	10VT2½-120°-O-SS	10VT2½-120°-O-316SS	10VT2½-120°-O-NP	15/64	5/16	3/8
1/8	10VT3-120°-O	10VT3-120°-O-SS	10VT3-120°-O-316SS	10VT3-120°-O-NP	5/16	5/16	15/32
5/32 / 4mm	10VT3½-120°-O	10VT3½-120°-O-SS	10VT3½-120°-O-316SS	10VT3½-120°-O-NP	5/16	5/16	15/32
.170	10VT4-120°-O	10VT4-120°-O-SS	10VT4-120°-O-316SS	10VT4-120°-O-NP	5/16	5/16	1/2
3/16	10VT5-120°-O	10VT5-120°-O-SS	10VT5-120°-O-316SS	10VT5-120°-O-NP	5/16	5/16	17/32

For systems that do not allow the degree symbol (°) to be used, it can be substituted with 'DEG' in the part number.

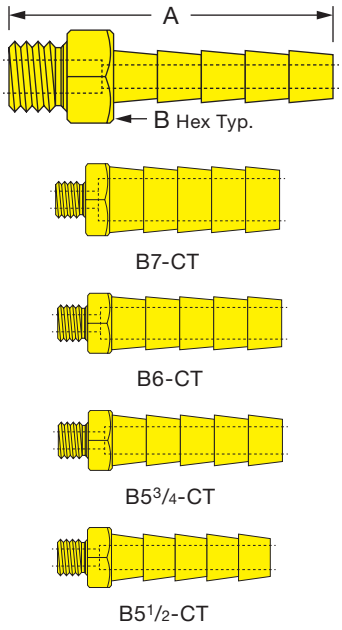
Smaller tube ID's available! Consult factory for details!

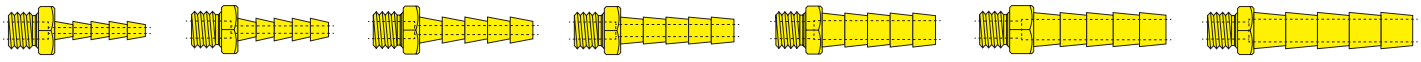
120° Reducing V-Tee options also available! Consult factory for details!



125 10-32 Thread to Tube Multiple Barb Fittings with Fibre or Buna-N Gasket Supplied

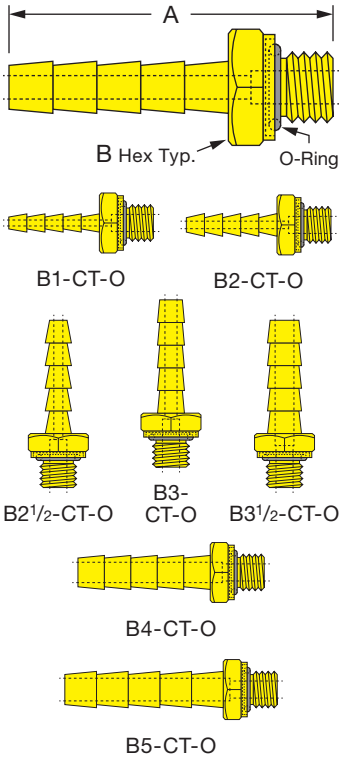
Tube ID	Part Numbers					Dimensions (Reference)	
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.
1/16	B1-CT	B1-CT-SS	B1-CT-316SS	B1-CT-AL	B1-CT-NP	.713	1/4
5/64 / 2mm	B2-CT	B2-CT-SS	B2-CT-316SS	B2-CT-AL	B2-CT-NP	.713	1/4
3/32	B2 1/2-CT	B2 1/2-CT-SS	B2 1/2-CT-316SS	B2 1/2-CT-AL	B2 1/2-CT-NP	.831	1/4
1/8	B3-CT	B3-CT-SS	B3-CT-316SS	B3-CT-AL	B3-CT-NP	.831	1/4
5/32 / 4mm	B3 1/2-CT	B3 1/2-CT-SS	B3 1/2-CT-316SS	B3 1/2-CT-AL	B3 1/2-CT-NP	.831	1/4
.170	B4-CT	B4-CT-SS	B4-CT-316SS	B4-CT-AL	B4-CT-NP	.969	1/4
3/16	B5-CT	B5-CT-SS	B5-CT-316SS	B5-CT-AL	B5-CT-NP	1.067	1/4
7/32	B5 1/2-CT	B5 1/2-CT-SS	B5 1/2-CT-316SS	B5 1/2-CT-AL	B5 1/2-CT-NP	1.106	5/16
6mm	B5 3/4-CT	B5 3/4-CT-SS	B5 3/4-CT-316SS	B5 3/4-CT-AL	B5 3/4-CT-NP	1.165	5/16
1/4	B6-CT	B6-CT-SS	B6-CT-316SS	B6-CT-AL	B6-CT-NP	1.165	5/16
5/16 / 8mm	B7-CT	B7-CT-SS	B7-CT-316SS	B7-CT-AL	B7-CT-NP	1.165	3/8

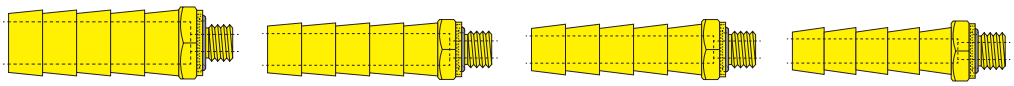




126 10-32 Thread to Tube Multiple Barb Fittings with O-Ring Installed

Tube ID	Part Numbers					Dimensions (Reference)	
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.
1/16	B1-CT-O	B1-CT-O-SS	B1-CT-O-316SS	B1-CT-O-AL	B1-CT-O-NP	.752	5/16
5/64 / 2mm	B2-CT-O	B2-CT-O-SS	B2-CT-O-316SS	B2-CT-O-AL	B2-CT-O-NP	.752	5/16
3/32	B2 1/2-CT-O	B2 1/2-CT-O-SS	B2 1/2-CT-O-316SS	B2 1/2-CT-O-AL	B2 1/2-CT-O-NP	.870	5/16
1/8	B3-CT-O	B3-CT-O-SS	B3-CT-O-316SS	B3-CT-O-AL	B3-CT-O-NP	.870	5/16
5/32 / 4mm	B3 1/2-CT-O	B3 1/2-CT-O-SS	B3 1/2-CT-O-316SS	B3 1/2-CT-O-AL	B3 1/2-CT-O-NP	.870	5/16
.170	B4-CT-O	B4-CT-O-SS	B4-CT-O-316SS	B4-CT-O-AL	B4-CT-O-NP	.969	5/16
3/16	B5-CT-O	B5-CT-O-SS	B5-CT-O-316SS	B5-CT-O-AL	B5-CT-O-NP	1.106	5/16
7/32	B5 1/2-CT-O	B5 1/2-CT-O-SS	B5 1/2-CT-O-316SS	B5 1/2-CT-O-AL	B5 1/2-CT-O-NP	1.106	5/16
6mm	B5 3/4-CT-O	B5 3/4-CT-O-SS	B5 3/4-CT-O-316SS	B5 3/4-CT-O-AL	B5 3/4-CT-O-NP	1.165	5/16
1/4	B6-CT-O	B6-CT-O-SS	B6-CT-O-316SS	B6-CT-O-AL	B6-CT-O-NP	1.165	5/16
5/16 / 8mm	B7-CT-O	B7-CT-O-SS	B7-CT-O-316SS	B7-CT-O-AL	B7-CT-O-NP	1.165	3/8



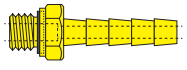


Multi-Barb Fittings are available with many other thread sizes & tube ID's! Lead times & minimum quantities apply! Consult factory for details!

Peek® fittings are available upon request! Consult factory for details!

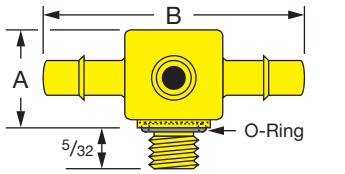
O-Ring options are listed on page 65!

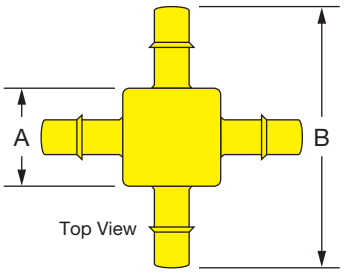
Multi-Barb Fittings are also available with Captive Rubber Gaskets Installed!



B

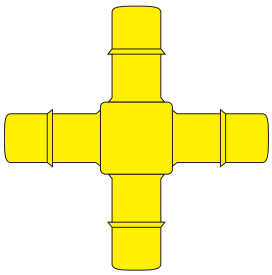
10-32 Thread to Tube Crosses with O-Ring Installed 127

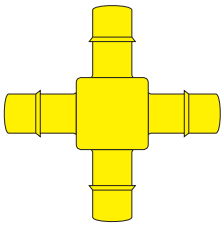


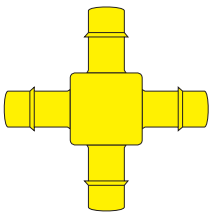


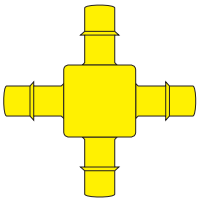
O-Ring options on page 65!

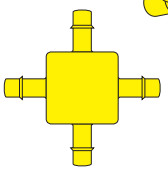
Tube ID	Part Numbers				Dimensions (Reference)	
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Ref.
1/16	10X1-O	10X1-O-SS	10X1-O-316SS	10X1-O-NP	3/8	13/16
5/64 / 2mm	10X2-O	10X2-O-SS	10X2-O-316SS	10X2-O-NP	3/8	13/16
3/32	10X2 1/2-O	10X2 1/2-O-SS	10X2 1/2-O-316SS	10X2 1/2-O-NP	3/8	13/16
1/8	10X3-O	10X3-O-SS	10X3-O-316SS	10X3-O-NP	3/8	1.00
5/32 / 4mm	10X3 1/2-O	10X3 1/2-O-SS	10X3 1/2-O-316SS	10X3 1/2-O-NP	3/8	1.00
.170	10X4-O	10X4-O-SS	10X4-O-316SS	10X4-O-NP	3/8	1 1/16
3/16	10X5-O	10X5-O-SS	10X5-O-316SS	10X5-O-NP	3/8	1 1/8
7/32	10X5 1/2-O	10X5 1/2-O-SS	10X5 1/2-O-316SS	10X5 1/2-O-NP	3/8	1 1/8
6mm	10X5 3/4-O	10X5 3/4-O-SS	10X5 3/4-O-316SS	10X5 3/4-O-NP	3/8	1 3/8
1/4	10X6-O	10X6-O-SS	10X6-O-316SS	10X6-O-NP	3/8	1 3/8

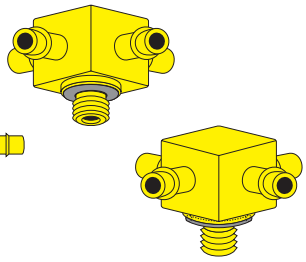

10X6-O


10X5-O

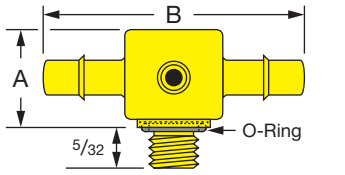

10X4-O

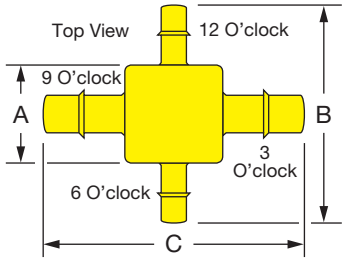

10X3 1/2-O


10X2-O



10-32 Thread to Tube Reducing Crosses with O-Ring Installed 128



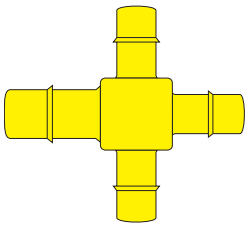


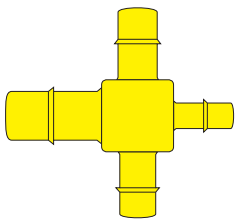
O-Ring options on page 65!

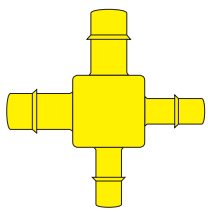
Material options are listed on the next page!

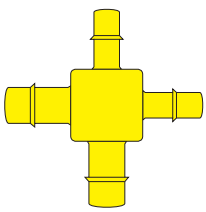
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Ref.	C Ref.
1/16	1	3/8	*Consult Factory*	
5/64 / 2mm	2	3/8	*Consult Factory*	
3/32	2 1/2	3/8	*Consult Factory*	
1/8	3	3/8	*Consult Factory*	
5/32 / 4mm	3 1/2	3/8	*Consult Factory*	

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Ref.	C Ref.
.170	4	3/8	*Consult Factory*	
3/16	5	3/8	*Consult Factory*	
7/32	5 1/2	3/8	*Consult Factory*	
6mm	5 3/4	3/8	*Consult Factory*	
1/4	6	3/8	*Consult Factory*	


10RX6-5-5-5-O

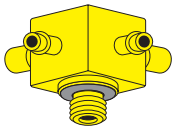

10RX6-5-3-4-O


10RX4-4-3-3-O


10RX4-3-3-4-O

Part Numbers for 10-32 Thread to Tube Reducing Crosses with O-Ring Installed:

Thread Size → 10 | RX (Fitting Series) | # (9 O'clock Branch #) - # (12 O'clock Branch #) - # (3 O'clock Branch #) - # (6 O'clock Branch #) | O (O-Ring Indicator)

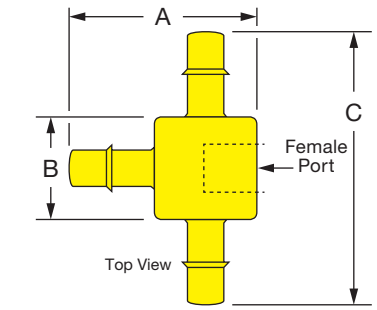


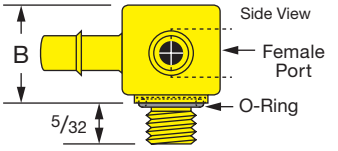
B

129 10-32 Thread to Tube L-Tees with Female Port & O-Ring Installed

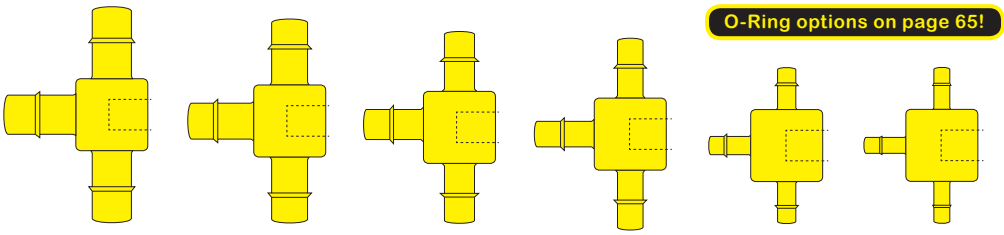
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Ref.	C Ref.
1/16	1	19/32	3/8	13/16
5/64 / 2mm	2	19/32	3/8	13/16
3/32	2 1/2	19/32	3/8	13/16
1/8	3	11/16	3/8	1.00
5/32 / 4mm	3 1/2	11/16	3/8	1.00

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Ref.	C Ref.
.170	4	23/32	3/8	1 1/16
3/16	5	3/4	3/8	1 1/8
7/32	5 1/2	3/4	3/8	1 1/8
6mm	5 3/4	7/8	3/8	1 3/8
1/4	6	7/8	3/8	1 3/8

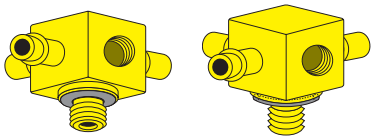




O-Ring options on page 65!



10LT5-F10-O | 10LT4-F10-O | 10LT3 1/2-F10-O | 10LT3-F10-O | 10LT2-F10-O | 10LT1-F10-O



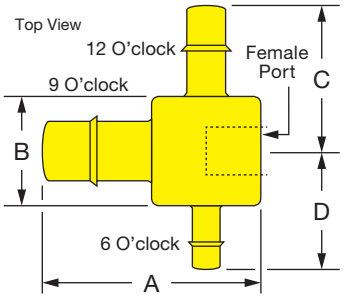
Part Numbers for 10-32 Thread to Tube L-Tees with Female Port with O-Ring Installed:

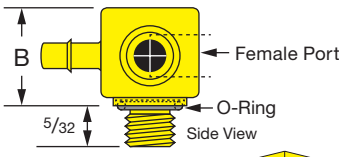
Thread Size → 10 (Fitting Series) LT # (Branch Number) - F10 (Female Port Thread Size) - O (O-Ring Indicator)

130 10-32 Thread to Tube Reducing L-Tees with Female Port & O-Ring Installed

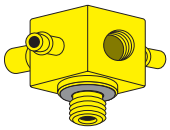
Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Ref.	C Ref.	D Ref.
1/16	1	19/32	3/8	13/32	13/32
5/64 / 2mm	2	19/32	3/8	13/32	13/32
3/32	2 1/2	19/32	3/8	13/32	13/32
1/8	3	11/16	3/8	1/2	1/2
5/32 / 4mm	3 1/2	11/16	3/8	1/2	1/2

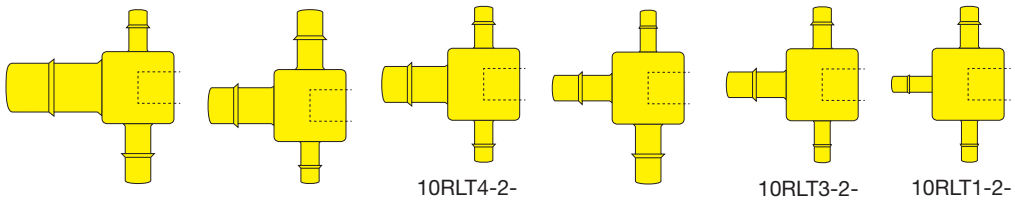
Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Ref.	C Ref.	D Ref.
.170	4	23/32	3/8	17/32	17/32
3/16	5	3/4	3/8	9/16	9/16
7/32	5 1/2	3/4	3/8	9/16	9/16
6mm	5 3/4	7/8	3/8	11/16	11/16
1/4	6	7/8	3/8	11/16	11/16



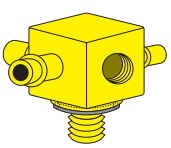


O-Ring options on page 65!





10RLT6-2-3-F10-O | 10RLT4-3-2-F10-O | 10RLT4-2-2-F10-O | 10RLT3-1-3-F10-O | 10RLT3-2-1-F10-O | 10RLT1-2-1-F10-O



Part Numbers for 10-32 Thread to Tube Reducing L-Tees with Female Port and O-Ring Installed:

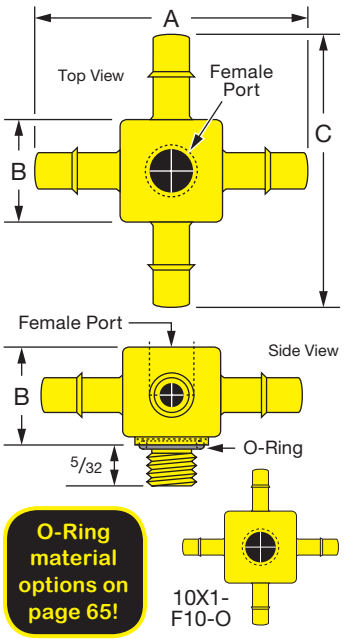
Thread Size → 10 (Fitting Series) RLT # (9 O'clock Branch #) - # (12 O'clock Branch #) - # (6 O'clock Branch #) - F10 (Female Port Thread Size) - O (O-Ring Indicator)

Unless otherwise specified, parts will be Brass. To order other materials, please add the following codes to the part number:

-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

B

10-32 Thread to Tube Crosses with Female Port & O-Ring Installed 131

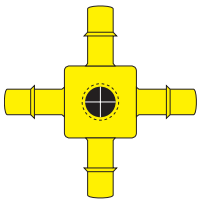


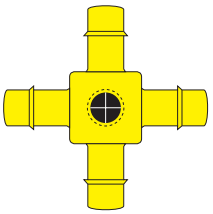
O-Ring material options on page 65!

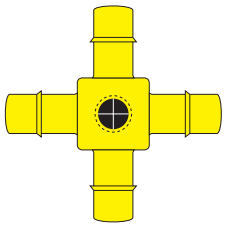
10X1-F10-O

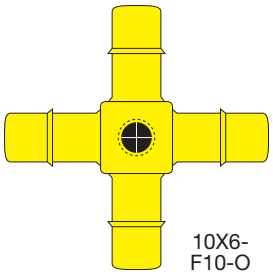
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Ref.	C Ref.
1/16	1	13/16	3/8	13/16
5/64 / 2mm	2	13/16	3/8	13/16
3/32	2 1/2	13/16	3/8	13/16
1/8	3	1.00	3/8	1.00
5/32 / 4mm	3 1/2	1.00	3/8	1.00

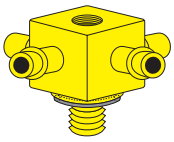
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Ref.	C Ref.
.170	4	1 1/16	3/8	1 1/16
3/16	5	1 1/8	3/8	1 1/8
7/32	5 1/2	1 1/8	3/8	1 1/8
6mm	5 3/4	1 3/8	3/8	1 3/8
1/4	6	1 3/8	3/8	1 3/8


10X3-F10-O


10X4-F10-O


10X5-F10-O

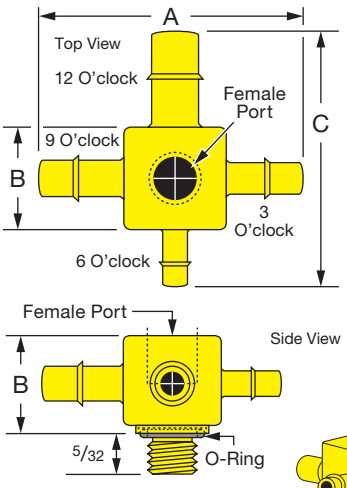

10X6-F10-O



Part Numbers for 10-32 Thread to Tube Crosses with Female Port with O-Ring Installed:

Thread Size → 10 (Fitting Series) X # (Branch Number) - F10 (Female Port Thread Size) - O (O-Ring Indicator)

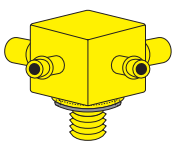
10-32 Thread to Tube Reducing Crosses with Female Port & O-Ring Installed 132

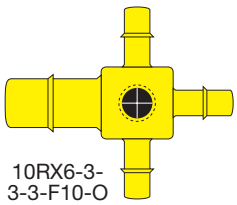


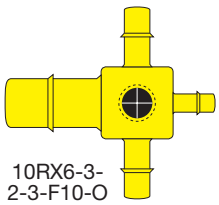
O-Ring material options on page 65!

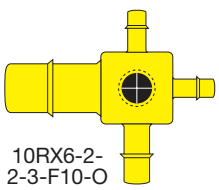
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Ref.	C Ref.
1/16	1	13/16	3/8	Consult Factory
5/64 / 2mm	2	13/16	3/8	
3/32	2 1/2	13/16	3/8	
1/8	3	1.00	3/8	
5/32 / 4mm	3 1/2	1.00	3/8	

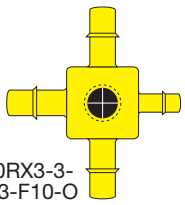
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Ref.	C Ref.
.170	4	1 1/16	3/8	Consult Factory
3/16	5	1 1/8	3/8	
7/32	5 1/2	1 1/8	3/8	
6mm	5 3/4	1 3/8	3/8	
1/4	6	1 3/8	3/8	




10RX6-3-3-3-F10-O


10RX6-3-2-3-F10-O


10RX6-2-2-3-F10-O


10RX3-3-2-3-F10-O

Part Numbers for 10-32 Thread to Tube Reducing Crosses with Female Port and O-Ring Installed:

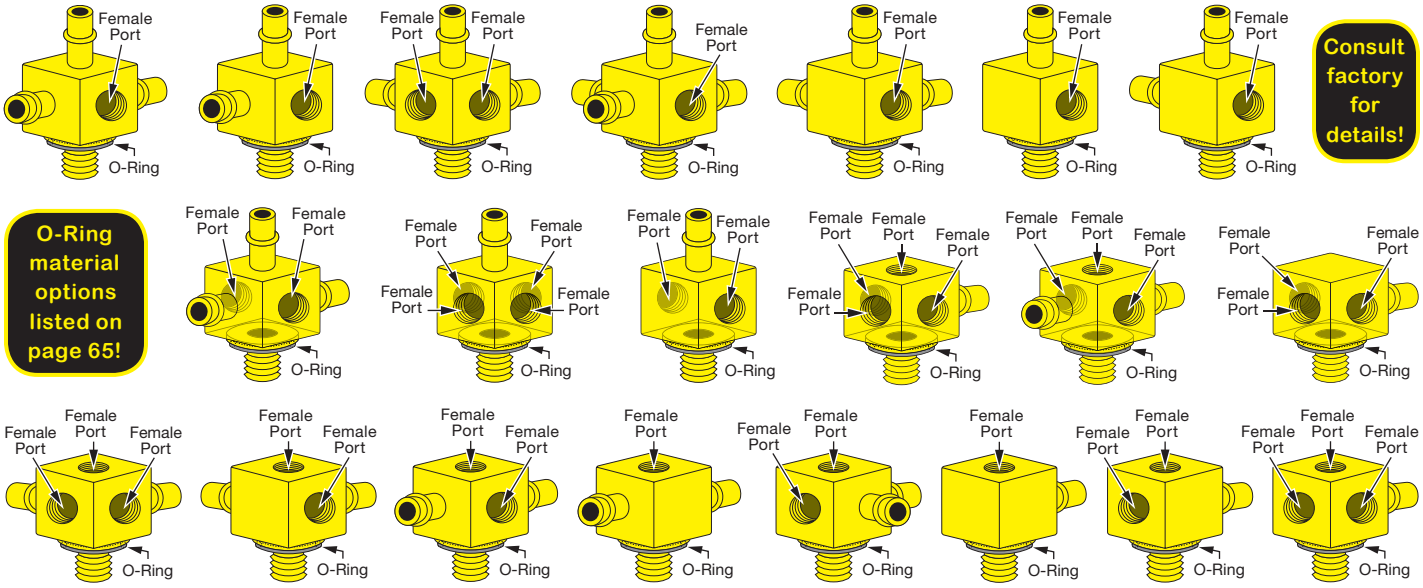
Thread Size → 10 (Fitting Series) RX # (9 O'clock Branch #) - # (12 O'clock Branch #) - # (3 O'clock Branch #) - # (6 O'clock Branch #) - F10 (Female Port Thread Size) - O (O-Ring Indicator)

Unless otherwise specified, parts will be Brass. To order other materials, please add the following codes to the part number:

-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

B

Custom 10-32 Thread to Tube Fittings with Female Ports & O-Ring Installed

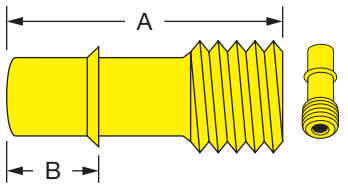


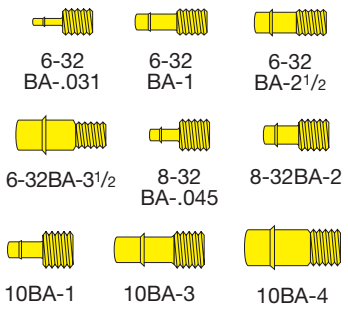
Consult factory for details!

O-Ring material options listed on page 65!

133 6-32, 8-32, 10-32 Hexless™ Male Thread to Tube Barbs

Branch		Dimensions 6-32 Thread		Dimensions 8-32 Thread		Dimensions 10-32 Thread	
Tube ID	Branch Number	A Ref.	B Ref.	A Ref.	B Ref.	A Ref.	B Ref.
1/32	.031	5/16	1/16	9/32	1/16	9/32	1/16
.040 / 1mm	.040	5/16	1/16	9/32	1/16	9/32	1/16
3/64	.045	5/16	1/16	9/32	1/16	9/32	1/16
.050	.050	5/16	1/16	9/32	1/16	9/32	1/16
1/16	1	3/8	.073	.310	.073	.310	.073
5/64 / 2mm	2	3/8	.073	.310	.073	.310	.073
3/32	2 1/2	3/8	.073	.310	.073	.310	.073
1/8	3	15/32	5/32	15/32	5/32	15/32	5/32
5/32 / 4mm	3 1/2	15/32	5/32	15/32	5/32	15/32	5/32
.170	4	15/32	5/32	1/2	5/32	1/2	5/32





Note: *Dimensions may vary at the time of manufacturing. Consult factory for details!*

Thread Size Options: 6-32 • 8-32 • 10-32

Longer branches available! Consult factory for details!

Part Numbers for Hexless™ Male Thread to Tube Barbs:

Thread Size → ## — Indicate Thread Size: 6-32, 8-32, or "10" for 10-32

BA ← Fitting Series

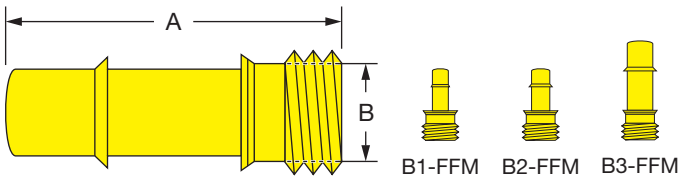
\-

← Branch Number

Unless otherwise specified, parts will be Brass. To order other materials, please add the following codes to the part number:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

New Product: 10-32 Thread Flanged Flush-Mount Fittings

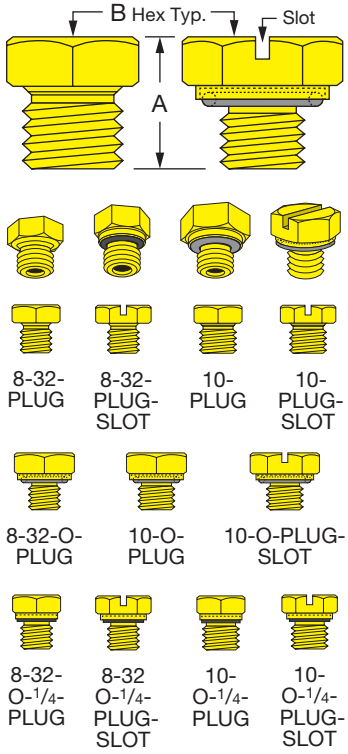
Tube ID	Part Number	A Ref.	B Dia.
1/16	B1-FFM	.373	.150
5/64 / 2mm	B2-FFM	.373	.150
1/8	B3-FFM	.515	.150



To order materials other than Brass, add the following codes to the part number:
-316SS = Stainless Steel 316
-AL = Aluminum 6061-T6

B

8-32 & 10-32 Thread Plugs and Plugs with Slots 134

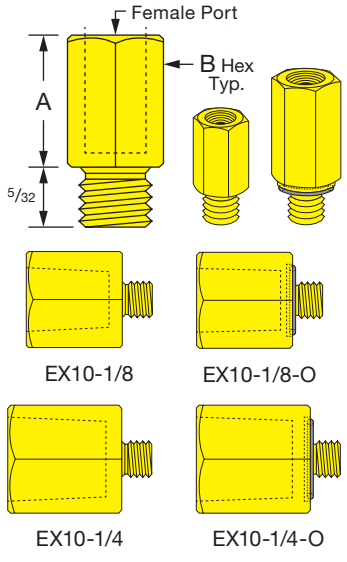


Type of Seal	Thread	Part Numbers				Dimensions (Reference)	
		Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.
Fibre Gasket	8-32	8-32-PLUG	8-32-PLUG-SS	8-32-PLUG-316SS	8-32-PLUG-NP	1/4	1/4
O-Ring	8-32	8-32-O-PLUG	8-32-O-PLUG-SS	8-32-O-PLUG-316SS	8-32-O-PLUG-NP	19/64	5/16
Captive Rubber Gasket	8-32	8-32-O-1/4-PLUG	8-32-O-1/4-PLUG-SS	8-32-O-1/4-PLUG-316SS	8-32-O-1/4-PLUG-NP	9/32	1/4
Fibre Gasket	10-32	10-PLUG	10-PLUG-SS	10-PLUG-316SS	10-PLUG-NP	1/4	1/4
O-Ring	10-32	10-O-PLUG	10-O-PLUG-SS	10-O-PLUG-316SS	10-O-PLUG-NP	19/64	5/16
Captive Rubber Gasket	10-32	10-O-1/4-PLUG	10-O-1/4-PLUG-SS	10-O-1/4-PLUG-316SS	10-O-1/4-PLUG-NP	9/32	1/4
Fibre Gasket	8-32 with slot	8-32-PLUG-SLOT	8-32-PLUG-SLOT-SS	8-32-PLUG-SLOT-316SS	8-32-PLUG-SLOT-NP	1/4	1/4
O-Ring	8-32 with slot	8-32-O-PLUG-SLOT	8-32-O-PLUG-SLOT-SS	8-32-O-PLUG-SLOT-316SS	8-32-O-PLUG-SLOT-NP	19/64	5/16
Captive Rubber Gasket	8-32 with slot	8-32-O-1/4-PLUG-SLOT	8-32-O-1/4-PLUG-SLOT-SS	8-32-O-1/4-PLUG-SLOT-316SS	8-32-O-1/4-PLUG-SLOT-NP	9/32	1/4
Fibre Gasket	10-32 with slot	10-PLUG-SLOT	10-PLUG-SLOT-SS	10-PLUG-SLOT-316SS	10-PLUG-SLOT-NP	1/4	1/4
O-Ring	10-32 with slot	10-O-PLUG-SLOT	10-O-PLUG-SLOT-SS	10-O-PLUG-SLOT-316SS	10-O-PLUG-SLOT-NP	19/64	5/16
Captive Rubber Gasket	10-32 with slot	10-O-1/4-PLUG-SLOT	10-O-1/4-PLUG-SLOT-SS	10-O-1/4-PLUG-SLOT-316SS	10-O-1/4-PLUG-SLOT-NP	9/32	1/4

O-Ring & Gasket options on page 65!

Other Plug options available! See pages 432 - 435!

10-32 Male Thread to Female Extensions 135



Note: *10-32 Extensions with 1/8 or 1/4 NPT Female ports may have longer thread lengths.*

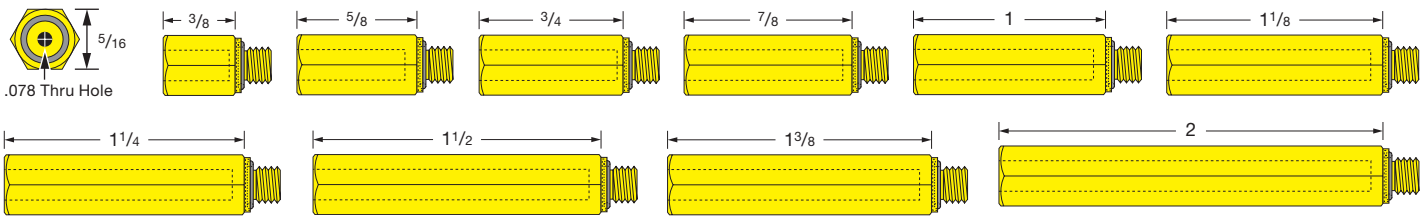
Male Thread	Type of Seal	Female Thread	Part Numbers					Dimensions (Reference)	
			Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.
10-32	Fibre Gasket	10-32	EX10-10	EX10-10-SS	EX10-10-316SS	EX10-10-AL	EX10-10-NP	11/32	1/4
10-32	Fibre Gasket	10-32	EX10-10-1/4	EX10-10-1/4-SS	EX10-10-1/4-316SS	EX10-10-1/4-AL	EX10-10-1/4-NP	1/4	1/4
10-32	O-Ring	10-32	EX10-10-1/2-O	EX10-10-1/2-O-SS	EX10-10-1/2-O-316SS	EX10-10-1/2-O-AL	EX10-10-1/2-O-NP	1/2	5/16
10-32	Fibre Gasket	10-32	EX10-10-15/16	EX10-10-15/16-SS	EX10-10-15/16-316SS	EX10-10-15/16-AL	EX10-10-15/16-NP	15/16	5/16
10-32	Fibre Gasket	1/8	EX10-1/8	EX10-1/8-SS	EX10-1/8-316SS	EX10-1/8-AL	EX10-1/8-NP	1/2	1/2
10-32	O-Ring	1/8	EX10-1/8-O	EX10-1/8-O-SS	EX10-1/8-O-316SS	EX10-1/8-O-AL	EX10-1/8-O-NP	1/2	1/2
10-32	Fibre Gasket	1/4	EX10-1/4	EX10-1/4-SS	EX10-1/4-316SS	EX10-1/4-AL	EX10-1/4-NP	19/32	5/8
10-32	O-Ring	1/4	EX10-1/4-O	EX10-1/4-O-SS	EX10-1/4-O-316SS	EX10-1/4-O-AL	EX10-1/4-O-NP	19/32	5/8

More male to female fittings available! See Reducing Bushings and Adapters on pages 390 - 423!



Male to Female Thread Extensions available with other body lengths! Lead times apply! Consult factory for details!

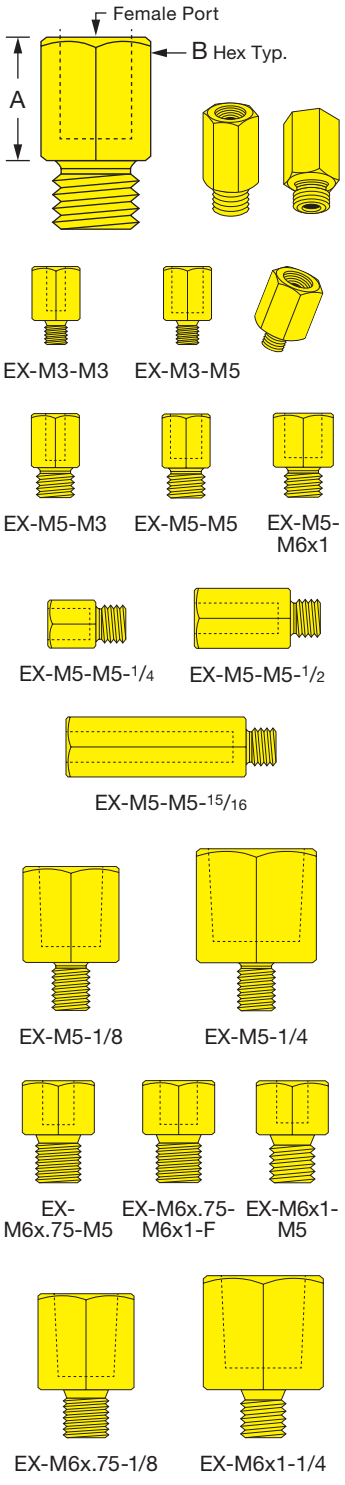
• *Sample listing; many options available!* •



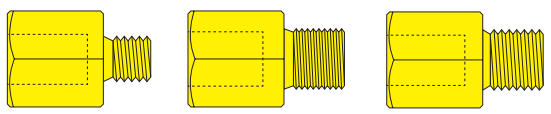
136 Metric Male Thread to Female Extensions with Fibre Gasket Supplied

B

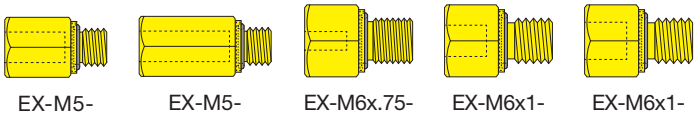
Male Thread	Female Thread	Part Numbers					Dimensions (Reference)	
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.
M3	M3	EX-M3-M3	EX-M3-M3-SS	EX-M3-M3-316SS	EX-M3-M3-AL	EX-M3-M3-NP	.299	1/4
M3	M5	EX-M3-M5	EX-M3-M5-SS	EX-M3-M5-316SS	EX-M3-M5-AL	EX-M3-M5-NP	.299	1/4
M3	M6x.75	EX-M3-M6x.75	EX-M3-M6x.75-SS	EX-M3-M6x.75-316SS	EX-M3-M6x.75-AL	EX-M3-M6x.75-NP	.389	5/16
M3	M6x1	EX-M3-M6x1	EX-M3-M6x1-SS	EX-M3-M6x1-316SS	EX-M3-M6x1-AL	EX-M3-M6x1-NP	.389	5/16
M3	10-32	EX-M3-10-32	EX-M3-10-32-SS	EX-M3-10-32-316SS	EX-M3-10-32-AL	EX-M3-10-32-NP	.299	1/4
M3	1/8	EX-M3-1/8	EX-M3-1/8-SS	EX-M3-1/8-316SS	EX-M3-1/8-AL	EX-M3-1/8-NP	1/2	1/2
M3	1/4	EX-M3-1/4	EX-M3-1/4-SS	EX-M3-1/4-316SS	EX-M3-1/4-AL	EX-M3-1/4-NP	19/32	1/4
M5	M3	EX-M5-M3	EX-M5-M3-SS	EX-M5-M3-316SS	EX-M5-M3-AL	EX-M5-M3-NP	11/32	1/4
M5	M5	EX-M5-M5	EX-M5-M5-SS	EX-M5-M5-316SS	EX-M5-M5-AL	EX-M5-M5-NP	11/32	1/4
M5	M5	EX-M5-M5-1/4	EX-M5-M5-1/4-SS	EX-M5-M5-1/4-316SS	EX-M5-M5-1/4-AL	EX-M5-M5-1/4-NP	1/4	1/4
M5	M5	EX-M5-M5-1/2	EX-M5-M5-1/2-SS	EX-M5-M5-1/2-316SS	EX-M5-M5-1/2-AL	EX-M5-M5-1/2-NP	1/2	5/16
M5	M5	EX-M5-M5-15/16	EX-M5-M5-15/16-SS	EX-M5-M5-15/16-316SS	EX-M5-M5-15/16-AL	EX-M5-M5-15/16-NP	15/16	5/16
M5	M6x.75	EX-M5-M6x.75	EX-M5-M6x.75-SS	EX-M5-M6x.75-316SS	EX-M5-M6x.75-AL	EX-M5-M6x.75-NP	9/32	5/16
M5	M6x1	EX-M5-M6x1	EX-M5-M6x1-SS	EX-M5-M6x1-316SS	EX-M5-M6x1-AL	EX-M5-M6x1-NP	9/32	3/8
M5	10-32	EX-M5-10-32	EX-M5-10-32-SS	EX-M5-10-32-316SS	EX-M5-10-32-AL	EX-M5-10-32-NP	.720	5/16
M5	1/8	EX-M5-1/8	EX-M5-1/8-SS	EX-M5-1/8-316SS	EX-M5-1/8-AL	EX-M5-1/8-NP	.570	1/2
M5	1/4	EX-M5-1/4	EX-M5-1/4-SS	EX-M5-1/4-316SS	EX-M5-1/4-AL	EX-M5-1/4-NP	19/32	5/8
M6x.75	M3	EX-M6x.75-M3	EX-M6x.75-M3-SS	EX-M6x.75-M3-316SS	EX-M6x.75-M3-AL	EX-M6x.75-M3-NP	9/32	3/8
M6x.75	M5	EX-M6x.75-M5	EX-M6x.75-M5-SS	EX-M6x.75-M5-316SS	EX-M6x.75-M5-AL	EX-M6x.75-M5-NP	9/32	3/8
M6x.75	M6x.75	EX-M6x.75-M6x.75	EX-M6x.75-M6x.75-SS	EX-M6x.75-M6x.75-316SS	EX-M6x.75-M6x.75-AL	EX-M6x.75-M6x.75-NP	9/32	3/8
M6x.75	M6x1	EX-M6x.75-M6x1	EX-M6x.75-M6x1-SS	EX-M6x.75-M6x1-316SS	EX-M6x.75-M6x1-AL	EX-M6x.75-M6x1-NP	9/32	3/8
M6x.75	10-32	EX-M6x.75-10-32	EX-M6x.75-10-32-SS	EX-M6x.75-10-32-316SS	EX-M6x.75-10-32-AL	EX-M6x.75-10-32-NP	9/32	3/8
M6x.75	1/8	EX-M6x.75-1/8	EX-M6x.75-1/8-SS	EX-M6x.75-1/8-316SS	EX-M6x.75-1/8-AL	EX-M6x.75-1/8-NP	.570	1/2
M6x.75	1/4	EX-M6x.75-1/4	EX-M6x.75-1/4-SS	EX-M6x.75-1/4-316SS	EX-M6x.75-1/4-AL	EX-M6x.75-1/4-NP	19/32	5/8
M6x1	M3	EX-M6x1-M3	EX-M6x1-M3-SS	EX-M6x1-M3-316SS	EX-M6x1-M3-AL	EX-M6x1-M3-NP	9/32	3/8
M6x1	M5	EX-M6x1-M5	EX-M6x1-M5-SS	EX-M6x1-M5-316SS	EX-M6x1-M5-AL	EX-M6x1-M5-NP	9/32	3/8
M6x1	M6x1	EX-M6x1-M6x1	EX-M6x1-M6x1-SS	EX-M6x1-M6x1-316SS	EX-M6x1-M6x1-AL	EX-M6x1-M6x1-NP	9/32	3/8
M6x1	10-32	EX-M6x1-10-32	EX-M6x1-10-32-SS	EX-M6x1-10-32-316SS	EX-M6x1-10-32-AL	EX-M6x1-10-32-NP	9/32	3/8
M6x1	1/8	EX-M6x1-1/8	EX-M6x1-1/8-SS	EX-M6x1-1/8-316SS	EX-M6x1-1/8-AL	EX-M6x1-1/8-NP	.570	1/2
M6x1	1/4	EX-M6x1-1/4	EX-M6x1-1/4-SS	EX-M6x1-1/4-316SS	EX-M6x1-1/4-AL	EX-M6x1-1/4-NP	19/32	5/8



M8 Threads available! Consult factory for details!



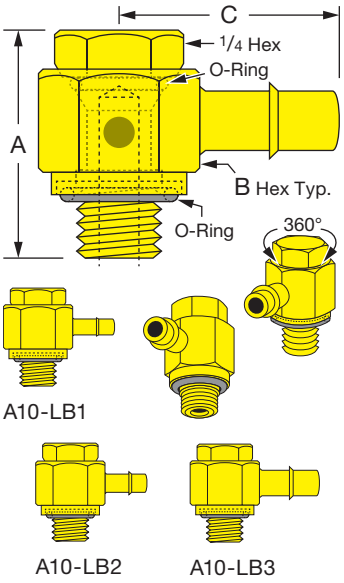
O-Ring options available! O-Ring materials listed on page 65!



Other Male Thread to Female Thread Fittings available! See Reducing Bushings and Adapters on pages 390 - 423!

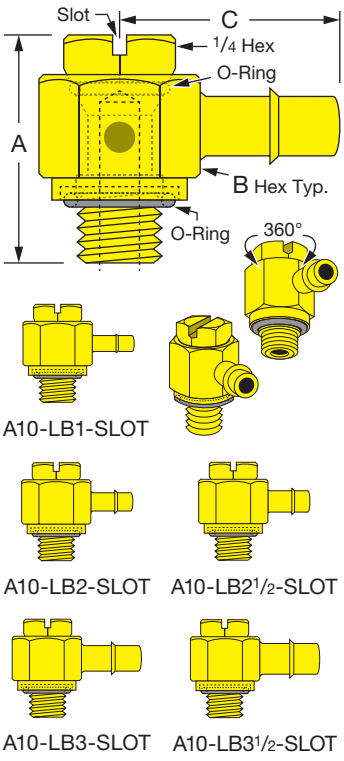
C

10-32 Thread to Tube Adjustable Elbows 137

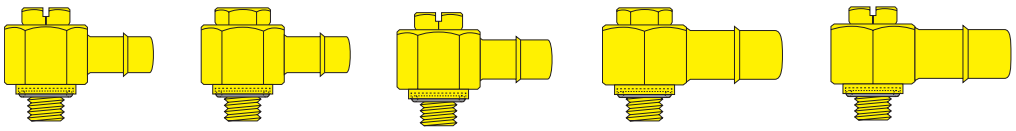


Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	A10-LB1	A10-LB1-SS	A10-LB1-316SS	A10-LB1-NP	33/64	5/16	25/64
5/64 / 2mm	A10-LB2	A10-LB2-SS	A10-LB2-316SS	A10-LB2-NP	33/64	5/16	25/64
3/32	A10-LB2 1/2	A10-LB2 1/2-SS	A10-LB2 1/2-316SS	A10-LB2 1/2-NP	33/64	5/16	25/64
1/8	A10-LB3	A10-LB3-SS	A10-LB3-316SS	A10-LB3-NP	33/64	5/16	31/64
5/32 / 4mm	A10-LB3 1/2	A10-LB3 1/2-SS	A10-LB3 1/2-316SS	A10-LB3 1/2-NP	33/64	5/16	31/64
.170	A10-LB4	A10-LB4-SS	A10-LB4-316SS	A10-LB4-NP	19/32	3/8	17/32
3/16	A10-LB5	A10-LB5-SS	A10-LB5-316SS	A10-LB5-NP	19/32	3/8	9/16
7/32	A10-LB5 1/2	A10-LB5 1/2-SS	A10-LB5 1/2-316SS	A10-LB5 1/2-NP	*Consult Factory*		
6mm	A10-LB5 3/4	A10-LB5 3/4-SS	A10-LB5 3/4-316SS	A10-LB5 3/4-NP	19/32	7/16	23/32
1/4	A10-LB6	A10-LB6-SS	A10-LB6-316SS	A10-LB6-NP	19/32	7/16	23/32

10-32 Thread to Tube Adjustable Elbows with Slotted Bolts 138



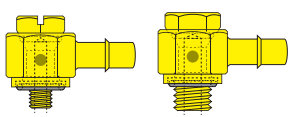
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	A10-LB1-SLOT	A10-LB1-SLOT-SS	A10-LB1-SLOT-316SS	A10-LB1-SLOT-NP	33/64	5/16	25/64
5/64 / 2mm	A10-LB2-SLOT	A10-LB2-SLOT-SS	A10-LB2-SLOT-316SS	A10-LB2-SLOT-NP	33/64	5/16	25/64
3/32	A10-LB2 1/2-SLOT	A10-LB2 1/2-SLOT-SS	A10-LB2 1/2-SLOT-316SS	A10-LB2 1/2-SLOT-NP	33/64	5/16	25/64
1/8	A10-LB3-SLOT	A10-LB3-SLOT-SS	A10-LB3-SLOT-316SS	A10-LB3-SLOT-NP	33/64	5/16	31/64
5/32 / 4mm	A10-LB3 1/2-SLOT	A10-LB3 1/2-SLOT-SS	A10-LB3 1/2-SLOT-316SS	A10-LB3 1/2-SLOT-NP	33/64	5/16	31/64
.170	A10-LB4-SLOT	A10-LB4-SLOT-SS	A10-LB4-SLOT-316SS	A10-LB4-SLOT-NP	19/32	3/8	17/32
3/16	A10-LB5-SLOT	A10-LB5-SLOT-SS	A10-LB5-SLOT-316SS	A10-LB5-SLOT-NP	19/32	3/8	9/16
7/32	A10-LB5 1/2-SLOT	A10-LB5 1/2-SLOT-SS	A10-LB5 1/2-SLOT-316SS	A10-LB5 1/2-SLOT-NP	*Consult Factory*		
6mm	A10-LB5 3/4-SLOT	A10-LB5 3/4-SLOT-SS	A10-LB5 3/4-SLOT-316SS	A10-LB5 3/4-SLOT-NP	19/32	7/16	23/32
1/4	A10-LB6-SLOT	A10-LB6-SLOT-SS	A10-LB6-SLOT-316SS	A10-LB6-SLOT-NP	19/32	7/16	23/32



O-Ring material options are listed on page 65!

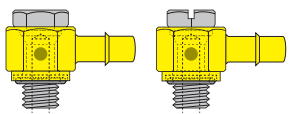
Anodized Aluminum options available! See page 488! Consult factory for details!

M3 and M5 Threads available!



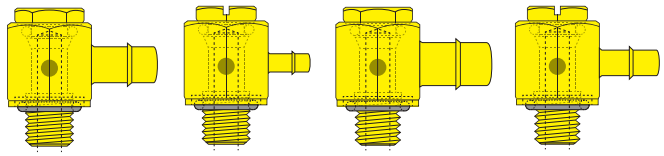
See pages 474 - 475!

Stainless Steel Bolts available!



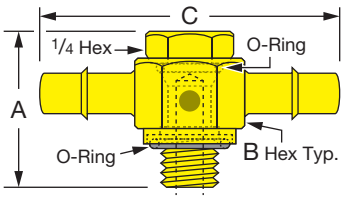
See page 522 for details!

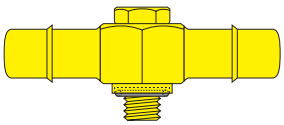
Custom threads listed on page 83! Consult factory for details!

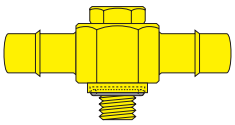


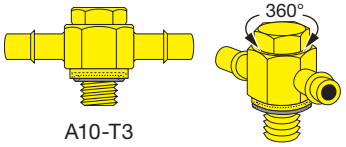
139 10-32 Thread to Tube Adjustable Tees

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	A10-T1	A10-T1-SS	A10-T1-316SS	A10-T1-NP	33/64	5/16	25/32
5/64 / 2mm	A10-T2	A10-T2-SS	A10-T2-316SS	A10-T2-NP	33/64	5/16	25/32
3/32	A10-T2 1/2	A10-T2 1/2-SS	A10-T2 1/2-316SS	A10-T2 1/2-NP	33/64	5/16	25/32
1/8	A10-T3	A10-T3-SS	A10-T3-316SS	A10-T3-NP	33/64	5/16	31/32
5/32 / 4mm	A10-T3 1/2	A10-T3 1/2-SS	A10-T3 1/2-316SS	A10-T3 1/2-NP	33/64	5/16	31/32
.170	A10-T4	A10-T4-SS	A10-T4-316SS	A10-T4-NP	19/32	3/8	1 1/32
3/16	A10-T5	A10-T5-SS	A10-T5-316SS	A10-T5-NP	19/32	3/8	1 1/16
7/32	A10-T5 1/2	A10-T5 1/2-SS	A10-T5 1/2-316SS	A10-T5 1/2-NP	*Consult Factory*		
6mm	A10-T5 3/4	A10-T5 3/4-SS	A10-T5 3/4-316SS	A10-T5 3/4-NP	19/32	7/16	1 7/16
1/4	A10-T6	A10-T6-SS	A10-T6-316SS	A10-T6-NP	19/32	7/16	1 7/16

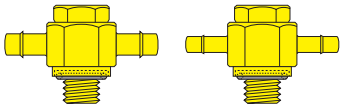



A10-T6

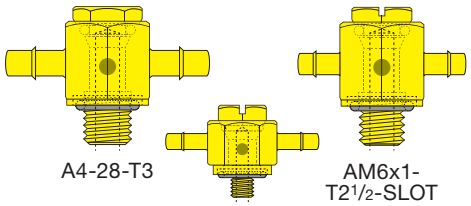

A10-T5



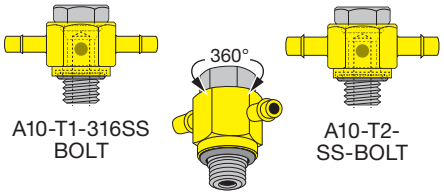
A10-T3


A10-T2 1/2 A10-T1

Custom male threads listed on page 83!



Stainless Steel Bolts available!



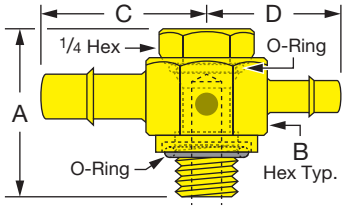
See page 522 for details!

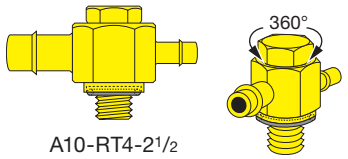
O-Ring materials on page 65!

140 10-32 Thread to Tube Adjustable Reducing Tees

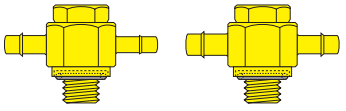
Tube ID	Branches	Dimensions (Reference)			
	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/16	1	33/64	5/16	25/64	25/64
5/64 / 2mm	2	33/64	5/16	25/64	25/64
3/32	2 1/2	33/64	5/16	25/64	25/64
1/8	3	33/64	5/16	31/64	33/64
5/32 / 4mm	3 1/2	33/64	5/16	31/64	33/64

Tube ID	Branches	Dimensions (Reference)			
	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
.170	4	19/32	3/8	17/32	17/32
3/16	5	19/32	3/8	9/16	9/16
7/32	5 1/2	19/32	*Consult Factory*		
6mm	5 3/4	19/32	7/16	23/32	23/32
1/4	6	19/32	7/16	23/32	23/32





A10-RT4-2 1/2

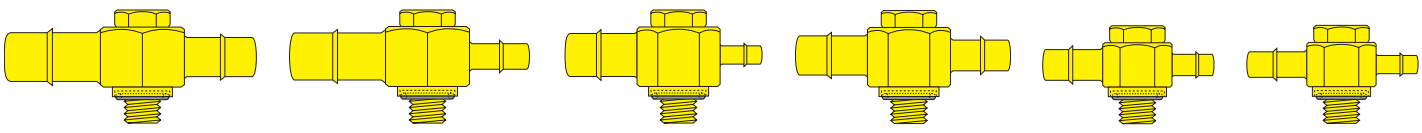

A10-RT2-1 A10-RT2 1/2-2

Part Numbers for 10-32 Thread to Tube Reducing Adjustable Tees:

Adjustable Bolt Thread Size → **A10** - **T** # - # ← Smaller Branch #

T ← Fitting Series

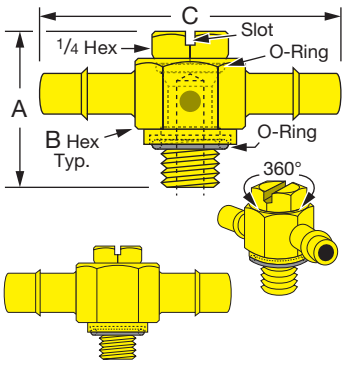
← Larger Branch


A10-RT6-5 A10-RT5 3/4-3 A10-RT5 1/2-2 A10-RT5-3 1/2 A10-RT3 1/2-2 1/2 A10-RT3-2

Unless otherwise specified, parts will be Brass. To order other materials, please add the following codes to the part number:
-SS = Stainless Steel 303 **-316SS** = Stainless Steel 316 **-NP** = Electroless Nickel Plate

C

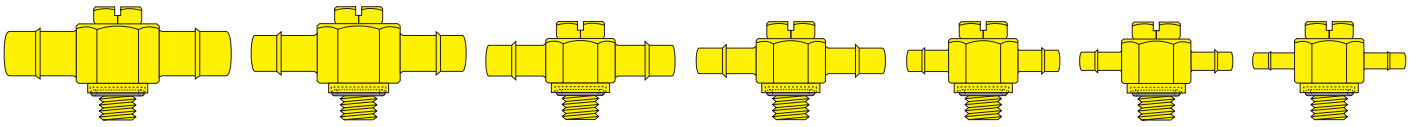
10-32 Thread to Tube Adjustable Tees with Slotted Bolts 141



A10-T5-SLOT

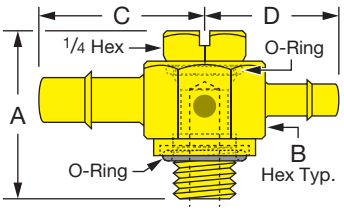
A10-T6-SLOT

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	A10-T1-SLOT	A10-T1-SLOT-SS	A10-T1-SLOT-316SS	A10-T1-SLOT-NP	33/64	5/16	25/32
5/64 / 2mm	A10-T2-SLOT	A10-T2-SLOT-SS	A10-T2-SLOT-316SS	A10-T2-SLOT-NP	33/64	5/16	25/32
3/32	A10-T2 1/2-SLOT	A10-T2 1/2-SLOT-SS	A10-T2 1/2-SLOT-316SS	A10-T2 1/2-SLOT-NP	33/64	5/16	25/32
1/8	A10-T3-SLOT	A10-T3-SLOT-SS	A10-T3-SLOT-316SS	A10-T3-SLOT-NP	33/64	5/16	31/32
5/32 / 4mm	A10-T3 1/2-SLOT	A10-T3 1/2-SLOT-SS	A10-T3 1/2-SLOT-316SS	A10-T3 1/2-SLOT-NP	33/64	5/16	31/32
.170	A10-T4-SLOT	A10-T4-SLOT-SS	A10-T4-SLOT-316SS	A10-T4-SLOT-NP	19/32	3/8	1 1/32
3/16	A10-T5-SLOT	A10-T5-SLOT-SS	A10-T5-SLOT-316SS	A10-T5-SLOT-NP	19/32	3/8	1 1/16
7/32	A10-T5 1/2-SLOT	A10-T5 1/2-SLOT-SS	A10-T5 1/2-SLOT-316SS	A10-T5 1/2-SLOT-NP	*Consult Factory*		
6mm	A10-T5 3/4-SLOT	A10-T5 3/4-SLOT-SS	A10-T5 3/4-SLOT-316SS	A10-T5 3/4-SLOT-NP	19/32	7/16	1 7/16
1/4	A10-T6-SLOT	A10-T6-SLOT-SS	A10-T6-SLOT-316SS	A10-T6-SLOT-NP	19/32	7/16	1 7/16



A10-T5 1/2-SLOT A10-T4-SLOT A10-T3 1/2-SLOT A10-T3-SLOT A10-T2 1/2-SLOT A10-T2-SLOT A10-T1-SLOT

10-32 Thread to Tube Adjustable Reducing Tees with Slotted Bolts 142

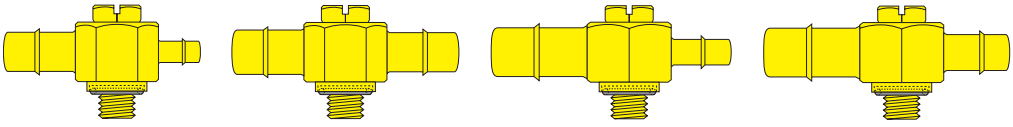


A10-RT2-1-SLOT

A10-RT3-1-SLOT

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/16	1	33/64	5/16	25/64	25/64
5/64 / 2mm	2	33/64	5/16	25/64	25/64
3/32	2 1/2	33/64	5/16	25/64	25/64
1/8	3	33/64	5/16	31/64	33/64
5/32 / 4mm	3 1/2	33/64	5/16	31/64	33/64

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
.170	4	19/32	3/8	17/32	17/32
3/16	5	19/32	3/8	9/16	9/16
7/32	5 1/2	19/32	*Consult Factory*		
6mm	5 3/4	19/32	7/16	23/32	23/32
1/4	6	19/32	7/16	23/32	23/32



A10-RT5-2 1/2-SLOT A10-RT5 1/2-5-SLOT A10-RT5 3/4-3-SLOT A10-RT6-4-SLOT

Part Numbers for 10-32 Thread to Tube Reducing Adjustable Tees with Slotted Bolts:

Adjustable Bolt Thread Size → **A10** - **RT** (Fitting Series) **#** (Larger Branch #) - **#** (Smaller Branch #) - **SLOT** ← Slotted Bolt Indicator

Unless otherwise specified, parts will be Brass. To order other materials, add the following codes to the part number:

-SS = Stainless Steel 303
-316SS = Stainless Steel 316
-NP = Electroless Nickel Plate

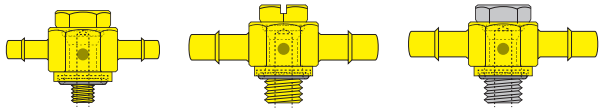
Stainless Steel Bolts available! See page 522!



A1 0-T2-SLOT-SS BOLT A10-T3-SLOT-316SS BOLT

Supplied with Buna-N O-Rings! More O-Ring options are listed on page 65!

M3 & M5 Adjustables available! See pages 474 - 475!



AM3-T2 AM5-T3-SLOT AM5-T3-SS-BOLT

C

143 Custom (M3, M5, M6x1, 1/4-28) Male Thread Adjustable Elbows & Tees

Male Thread Size Options
M3
M5
M6x1
1/4-28 (4-28)

Branches		Thread Options			
Tube ID	Branch #	M3	M5	M6x1	1/4-28 (4-28)
1/16	1	✔	✔	✔	✔
5/64 / 2mm	2	✔	✔	✔	✔
3/32	2 1/2	✔	✔	✔	✔
1/8	3	✔	✔	✔	✔

Branches		Thread Options			
Tube ID	Branch #	M3	M5	M6x1	1/4-28 (4-28)
5/32 / 4mm	3 1/2	✔	✔	✔	✔
.170	4	✔	✔	✔	✔
3/16	5	✔	✔	✔	✔
7/32	5 1/2	✔	✔	✔	✔

Branches		Thread Options			
Tube ID	Branch #	M3	M5	M6x1	1/4-28 (4-28)
6mm	5 3/4	✔	✔	✔	✔
1/4	6	✔	✔	✔	✔
5/16 / 8mm	7	n/a	n/a	✔	✔
3/8	8	n/a	n/a	✔	✔

Part Numbers for Custom Threaded Adjustable Elbows:

Adjustable Bolt Indicator → **A** **##** - **LB** **#** ← Branch #

← Thread Size; **LB** ← Fitting Series

Part Numbers for Custom Threaded Adjustable Tees:

Adjustable Bolt Indicator → **A** **##** - **T** **#** ← Branch #

← Thread Size; **T** ← Fitting Series

Supplied with Buna-N O-Rings! Other options listed on page 65! | **Material options listed below!** | **V-Tee options available!**

144 Custom (M3, M5, M6x1, 1/4-28) Male Thread Adjustable Elbows & Tees with Slotted Bolts

Male Thread Size Options
M3
M5
M6x1
1/4-28 (4-28)

Branches		Thread Options			
Tube ID	Branch #	M3	M5	M6x1	1/4-28 (4-28)
1/16	1	✔	✔	✔	✔
5/64 / 2mm	2	✔	✔	✔	✔
3/32	2 1/2	✔	✔	✔	✔
1/8	3	✔	✔	✔	✔

Branches		Thread Options			
Tube ID	Branch #	M3	M5	M6x1	1/4-28 (4-28)
5/32 / 4mm	3 1/2	✔	✔	✔	✔
.170	4	✔	✔	✔	✔
3/16	5	✔	✔	✔	✔
7/32	5 1/2	✔	✔	✔	✔

Branches		Thread Options			
Tube ID	Branch #	M3	M5	M6x1	1/4-28 (4-28)
6mm	5 3/4	✔	✔	✔	✔
1/4	6	✔	✔	✔	✔
5/16 / 8mm	7	n/a	n/a	✔	✔
3/8	8	n/a	n/a	✔	✔

Part Numbers for Custom Threaded Adjustable Elbows with Slotted Bolts:

Adjustable Bolt Thread Size → **A** **##** - **LB** **#** - **SLOT** ← Slotted Bolt Indicator

← Thread Size; **LB** ← Fitting Series; **#** ← Branch

Part Numbers for Custom Threaded Adjustable Tees with Slotted Bolts:

Adjustable Bolt Thread Size → **A** **##** - **T** **#** - **SLOT** ← Slotted Bolt Indicator

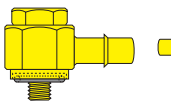
← Thread Size; **T** ← Fitting Series; **#** ← Branch

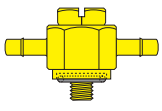
Unless otherwise specified, parts will be Brass. To order other materials, add the following codes to the part number:

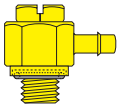
-SS = Stainless Steel 303

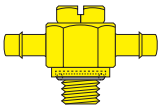
-316SS = Stainless Steel 316

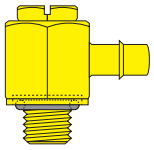
-NP = Electroless Nickel Plate

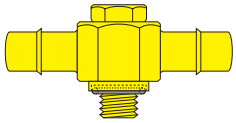

AM3-LB3

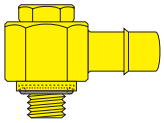

AM3-T1-SLOT

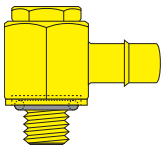

AM5-LB-SLOT

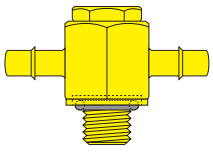

AM5-T2 1/2-SLOT

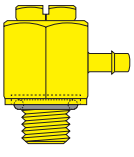

A4-28-LB3 1/2-SLOT


AM5-T5

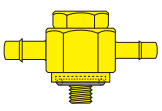

AM5-LB5

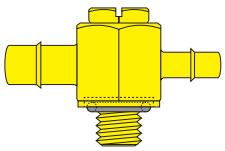

AM6x1-LB5

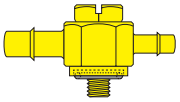

A4-28-T3

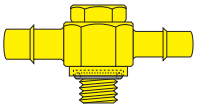

A4-28-LB2-SLOT

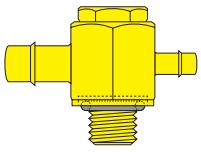
Custom Thread Reducing Tees available!


AM3-RT2-1

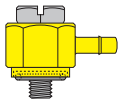

AM6x1-RT 5-3-SLOT

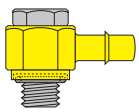

AM3-RT3-2-SLOT

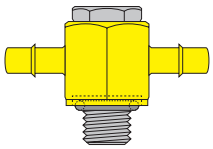

AM5-RT3 1/2-3


A4-28-RT4-2 1/2

Stainless Steel Bolts are also available!


AM3-LB1-SS BOLT-SLOT

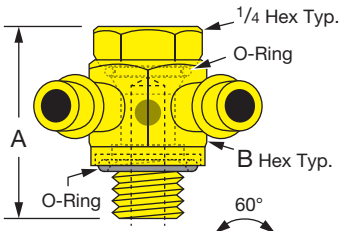

AM5-LB3-316SS BOLT

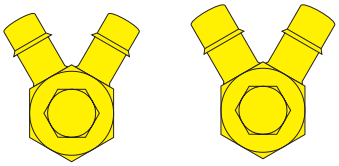

A4-28-T3-SS BOLT

See pages 522 & 523!

C

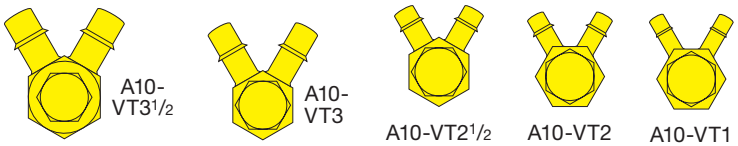
10-32 Thread to Tube Adjustable V-Tees 145





A10-VT4 A10-VT5

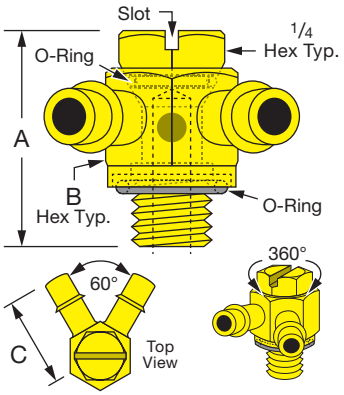
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	A10-VT1	A10-VT1-SS	A10-VT1-316SS	A10-VT1-NP	33/64	5/16	25/64
5/64 / 2mm	A10-VT2	A10-VT2-SS	A10-VT2-316SS	A10-VT2-NP	33/64	5/16	25/64
3/32	A10-VT2 1/2	A10-VT2 1/2-SS	A10-VT2 1/2-316SS	A10-VT2 1/2-NP	33/64	5/16	3/8
1/8	A10-VT3	A10-VT3-SS	A10-VT3-316SS	A10-VT3-NP	19/32	5/16	15/32
5/32 / 4mm	A10-VT3 1/2	A10-VT3 1/2-SS	A10-VT3 1/2-316SS	A10-VT3 1/2-NP	19/32	3/8	1/2
.170	A10-VT4	A10-VT4-SS	A10-VT4-316SS	A10-VT4-NP	19/32	7/16	17/32
3/16	A10-VT5	A10-VT5-SS	A10-VT5-316SS	A10-VT5-NP	19/32	7/16	19/32



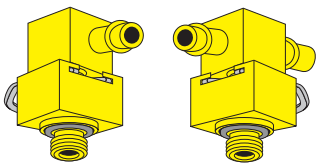
A10-VT3 1/2 A10-VT3 A10-VT2 1/2 A10-VT2 A10-VT1

Supplied with Buna-N O-Rings. Other options are listed on page 65!

10-32 Thread to Tube Slotted Adjustable V-Tees 146



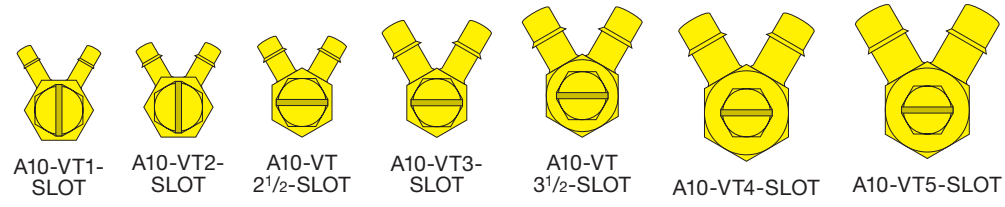
More Swivel Fitting options are available through the GT Series!



See pages 504 - 515! Consult factory for details!

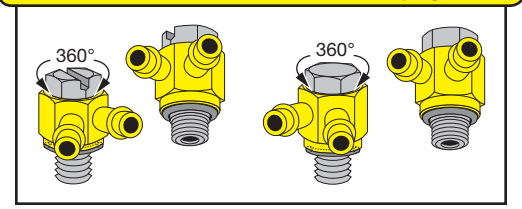
Note: *Images not intended for dimensional measurements.*

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	A10-VT1-SLOT	A10-VT1-SLOT-SS	A10-VT1-SLOT-316SS	A10-VT1-SLOT-NP	33/64	5/16	25/64
5/64 / 2mm	A10-VT2-SLOT	A10-VT2-SLOT-SS	A10-VT2-SLOT-316SS	A10-VT2-SLOT-NP	33/64	5/16	25/64
3/32	A10-VT2 1/2-SLOT	A10-VT2 1/2-SLOT-SS	A10-VT2 1/2-SLOT-316SS	A10-VT2 1/2-SLOT-NP	33/64	5/16	3/8
1/8	A10-VT3-SLOT	A10-VT3-SLOT-SS	A10-VT3-SLOT-316SS	A10-VT3-SLOT-NP	19/32	5/16	15/32
5/32 / 4mm	A10-VT3 1/2-SLOT	A10-VT3 1/2-SLOT-SS	A10-VT3 1/2-SLOT-316SS	A10-VT3 1/2-SLOT-NP	19/32	3/8	1/2
.170	A10-VT4-SLOT	A10-VT4-SLOT-SS	A10-VT4-SLOT-316SS	A10-VT4-SLOT-NP	19/32	7/16	17/32
3/16	A10-VT5-SLOT	A10-VT5-SLOT-SS	A10-VT5-SLOT-316SS	A10-VT5-SLOT-NP	19/32	7/16	19/32

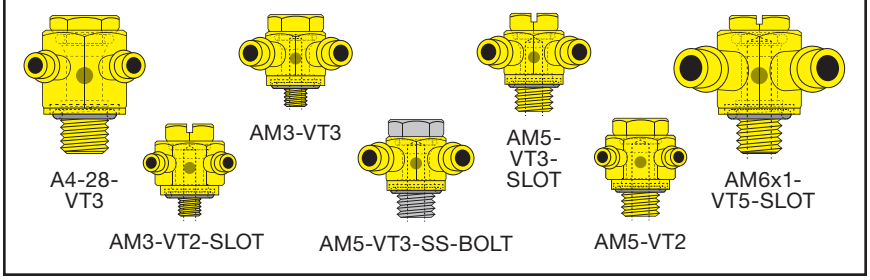


A10-VT1-SLOT A10-VT2-SLOT A10-VT 2 1/2-SLOT A10-VT3-SLOT A10-VT 3 1/2-SLOT A10-VT4-SLOT A10-VT5-SLOT

Stainless Steel Bolts available! See page 522!



Custom threaded bolts available! See page 83! Consult factory for details!



A4-28-VT3 AM3-VT2-SLOT AM3-VT3 AM5-VT3-SS-BOLT AM5-VT3-SLOT AM5-VT2 AM6x1-VT5-SLOT

V-Tees with 90° and 120° branches available! Lead times and minimum quantities apply. Consult factory for details!

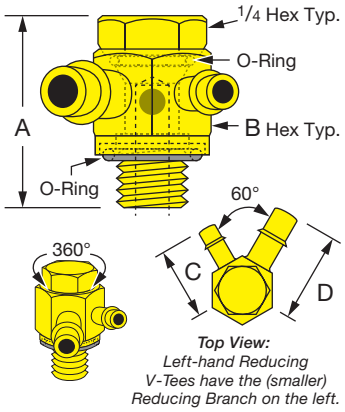
C

147 10-32 Thread to Tube Adjustable Left-Hand Reducing V-Tees

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/16	1	Consult Factory			
5/64 / 2mm	2	Consult Factory			
3/32	2 1/2	Consult Factory			
1/8	3	Consult Factory			

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
5/32 / 4mm	3 1/2	Consult Factory			
.170	4	Consult Factory			
3/16	5	Consult Factory			

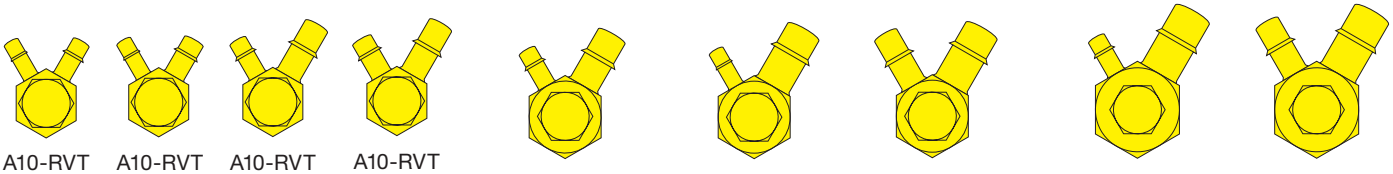
O-Ring material options are listed on page 65!



Top View:
Left-hand Reducing V-Tees have the (smaller) Reducing Branch on the left.

Part Numbers for 10-32 Thread to Tube Reducing Left-Hand Adjustable V-Tees:

Adjustable Bolt Thread Size → **A10** - **RVT** (Fitting Series) **#** (Larger Branch #) - **#** (Smaller Branch #) **LH** ← Left-Hand Indicator



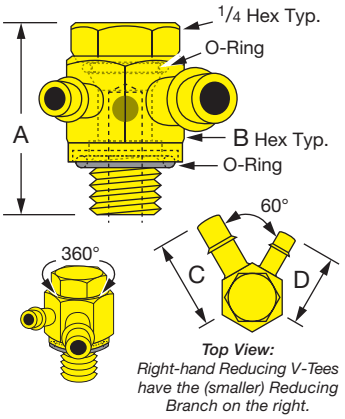
A10-RVT 2-1-LH | A10-RVT 2 1/2-1-LH | A10-RVT 3-2-LH | A10-RVT 3-2 1/2-LH | A10-RVT3 1/2-2-LH | A10-RVT4-1-LH | A10-RVT4-3-LH | A10-RVT5-2-LH | A10-RVT5-3-LH

148 10-32 Thread to Tube Adjustable Reducing Right-Hand V-Tees

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/16	1	Consult Factory			
5/64 / 2mm	2	Consult Factory			
3/32	2 1/2	Consult Factory			
1/8	3	Consult Factory			

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
5/32 / 4mm	3 1/2	Consult Factory			
.170	4	Consult Factory			
3/16	5	Consult Factory			

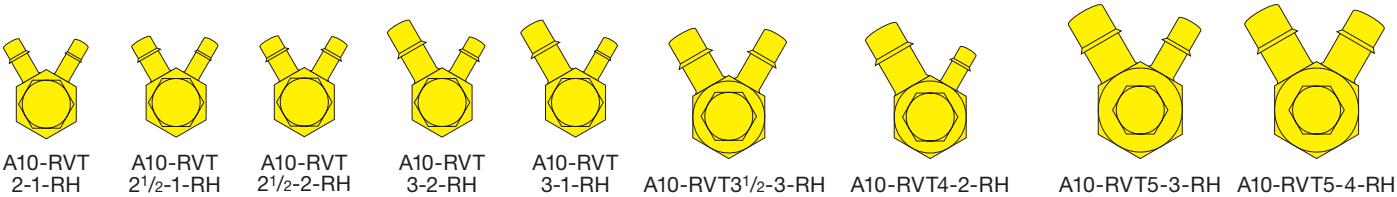
O-Ring material options are listed on page 65!



Top View:
Right-hand Reducing V-Tees have the (smaller) Reducing Branch on the right.

Part Numbers for 10-32 Thread to Tube Reducing Right-Hand Adjustable V-Tees:

Adjustable Bolt Thread Size → **A10** - **RVT** (Fitting Series) **#** (Larger Branch #) - **#** (Smaller Branch #) **RH** ← Right-Hand Indicator

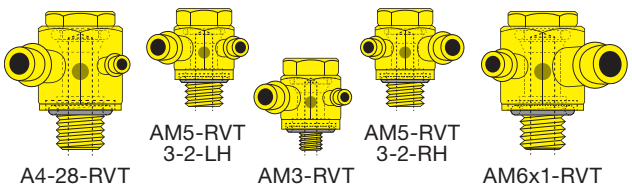


A10-RVT 2-1-RH | A10-RVT 2 1/2-1-RH | A10-RVT 2 1/2-2-RH | A10-RVT 3-2-RH | A10-RVT 3-1-RH | A10-RVT3 1/2-3-RH | A10-RVT4-2-RH | A10-RVT5-3-RH | A10-RVT5-4-RH

Unless otherwise specified, parts will be Brass. To order other materials, add the following codes to the part number:
-SS = Stainless Steel 303 **-316SS** = Stainless Steel 316 **-NP** = Electroless Nickel Plate

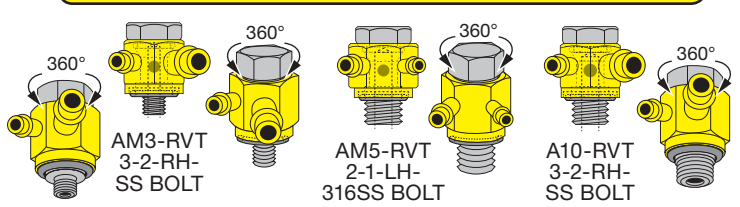
Lead times & minimum quantities may apply!

Custom threaded bolts available! See list on page 83!



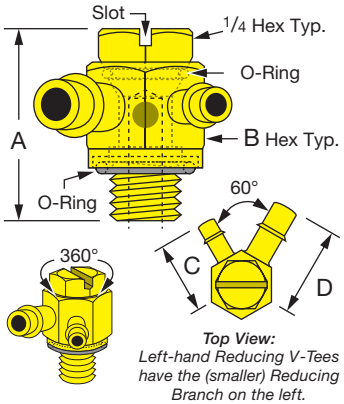
A4-28-RVT 4-2-LH | AM5-RVT 3-2-LH | AM3-RVT 3-1-LH | AM5-RVT 3-2-RH | AM6x1-RVT 5-3-RH

Stainless Steel Bolts available! See page 522 for details!



C

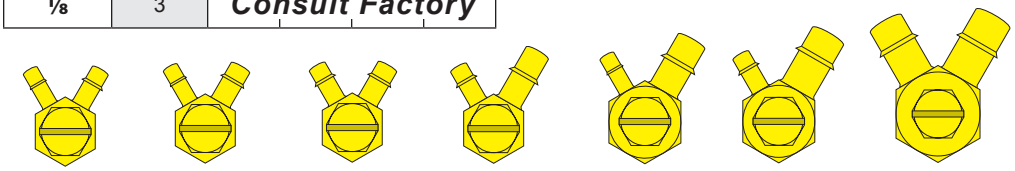
10-32 Thread to Tube Slotted Adjustable Left-Hand Reducing V-Tees 149



Top View:
Left-hand Reducing V-Tees have the (smaller) Reducing Branch on the left.

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/16	1	Consult Factory			
5/64 / 2mm	2	Consult Factory			
3/32	2 1/2	Consult Factory			
1/8	3	Consult Factory			

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
5/32 / 4mm	3 1/2	Consult Factory			
.170	4	Consult Factory			
3/16	5	Consult Factory			



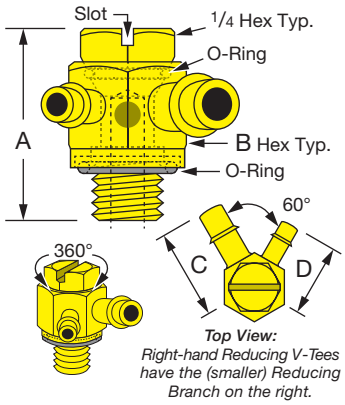
A10-RVT2-1-LH-SLOT | A10-RVT2 1/2-1-LH-SLOT | A10-RVT2 1/2-2-LH-SLOT | A10-RVT3-2-LH-SLOT | A10-RVT3 1/2-1-LH-SLOT | A10-RVT4-2-LH-SLOT | A10-RVT5-4-LH-SLOT

O-Ring options on page 65!

Part Numbers for 10-32 Thread to Tube Reducing Slotted Adjustable Left-Hand V-Tees:

Adjustable Bolt Thread Size → **A10** - **RVT** (Fitting Series) **#** (Larger Branch #) - **#** (Smaller Branch #) - **LH** (Left-Hand Indicator) - **SLOT** (Slotted Bolt Indicator)

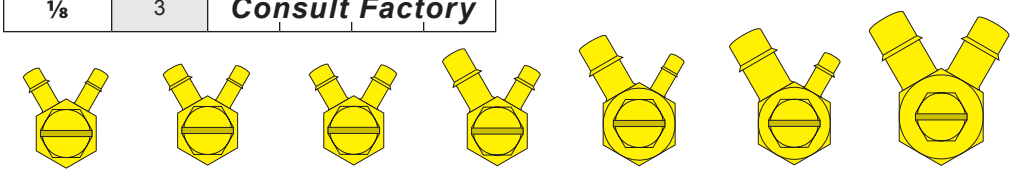
10-32 Thread to Tube Slotted Adjustable Right-Hand Reducing V-Tees 150



Top View:
Right-hand Reducing V-Tees have the (smaller) Reducing Branch on the right.

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/16	1	Consult Factory			
5/64 / 2mm	2	Consult Factory			
3/32	2 1/2	Consult Factory			
1/8	3	Consult Factory			

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
5/32 / 4mm	3 1/2	Consult Factory			
.170	4	Consult Factory			
3/16	5	Consult Factory			



A10-RVT2-1-RH-SLOT | A10-RVT2 1/2-1-RH-SLOT | A10-RVT2 1/2-2-RH-SLOT | A10-RVT3-2-RH-SLOT | A10-RVT3 1/2-1-RH-SLOT | A10-RVT4-2-RH-SLOT | A10-RVT5-4-RH-SLOT

O-Ring options on page 65!

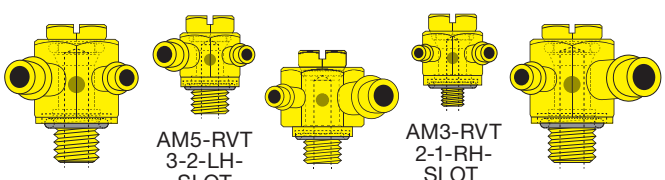
Part Numbers for 10-32 Thread to Tube Reducing Slotted Adjustable Right-Hand V-Tees:

Adjustable Bolt Thread Size → **A10** - **RVT** (Fitting Series) **#** (Larger Branch #) - **#** (Smaller Branch #) - **RH** (Right-Hand Indicator) - **SLOT** (Slot Indicator)

Unless otherwise specified, parts will be Brass. To order other materials, add the following codes to the part number:
-SS = Stainless Steel 303 **-316SS** = Stainless Steel 316 **-NP** = Electroless Nickel Plate

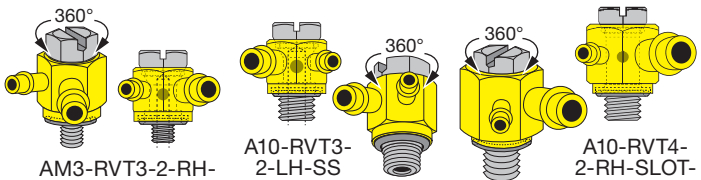
Lead times & minimum quantities may apply!

Custom threaded bolts available! See list on page 83!



AM6x1-RVT4-3-LH-SLOT | AM5-RVT 3-2-LH-SLOT | AM5-RVT4-2 1/2-RH-SLOT | AM3-RVT 2-1-RH-SLOT | A4-28-RVT5-3-RH-SLOT

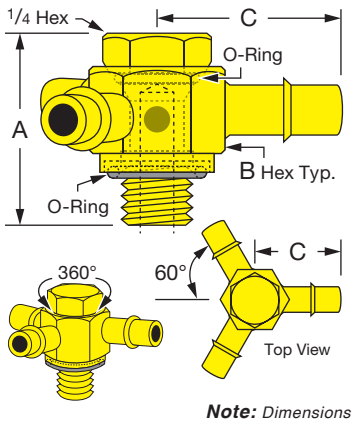
Stainless Steel Bolts available! See page 522 for details!



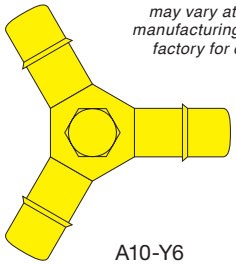
AM3-RVT3-2-RH-SLOT-316SS BOLT | A10-RVT3-2-LH-SS BOLT-SLOT | A10-RVT4-2-RH-SLOT-SS BOLT

151 10-32 Thread Adjustable Y Fittings

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	A10-Y1	A10-Y1-SS	A10-Y1-316SS	A10-Y1-NP	33/64	5/16	25/64
5/64 / 2mm	A10-Y2	A10-Y2-SS	A10-Y2-316SS	A10-Y2-NP	33/64	5/16	25/64
3/32	A10-Y2 1/2	A10-Y2 1/2-SS	A10-Y2 1/2-316SS	A10-Y2 1/2-NP	33/64	5/16	25/64
1/8	A10-Y3	A10-Y3-SS	A10-Y3-316SS	A10-Y3-NP	33/64	5/16	31/64
5/32 / 4mm	A10-Y3 1/2	A10-Y3 1/2-SS	A10-Y3 1/2-316SS	A10-Y3 1/2-NP	33/64	5/16	31/64
.170	A10-Y4	A10-Y4-SS	A10-Y4-316SS	A10-Y4-NP	19/32	3/8	17/32
3/16	A10-Y5	A10-Y5-SS	A10-Y5-316SS	A10-Y5-NP	19/32	3/8	9/16
7/32	A10-Y5 1/2	A10-Y5 1/2-SS	A10-Y5 1/2-316SS	A10-Y5 1/2-NP	Consult Factory		
6mm	A10-Y5 3/4	A10-Y5 3/4-SS	A10-Y5 3/4-316SS	A10-Y5 3/4-NP	19/32	7/16	23/32
1/4	A10-Y6	A10-Y6-SS	A10-Y6-316SS	A10-Y6-NP	19/32	7/16	23/32

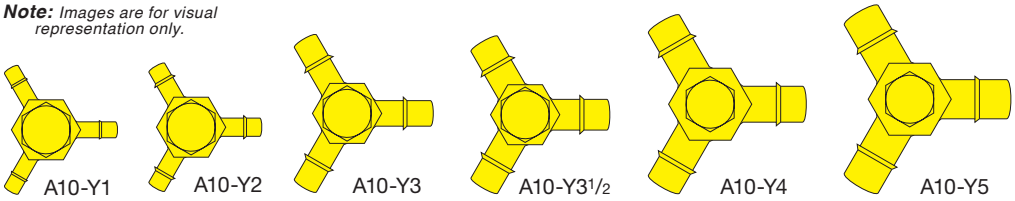


Note: *Dimensions may vary at time of manufacturing. Consult factory for details!*



A10-Y6

Note: *Images are for visual representation only.*



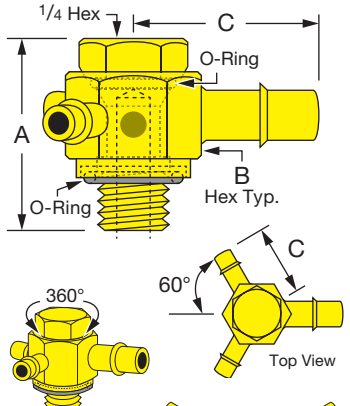
A10-Y1 A10-Y2 A10-Y3 A10-Y3 1/2 A10-Y4 A10-Y5

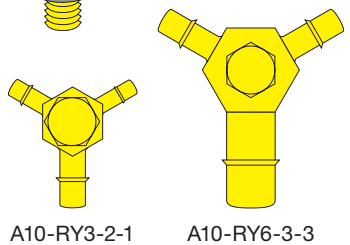
Supplied with Buna-N O-Rings! Other options listed on page 65!

152 10-32 Thread Adjustable Reducing Y Fittings

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/16	1	Consult Factory			
5/64 / 2mm	2	Consult Factory			
3/32	2 1/2	Consult Factory			
1/8	3	Consult Factory			
5/32 / 4mm	3 1/2	Consult Factory			

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
.170	4	Consult Factory			
3/16	5	Consult Factory			
7/32	5 1/2	Consult Factory			
6mm	5 3/4	Consult Factory			
1/4	6	Consult Factory			





A10-RY3-2-1 A10-RY6-3-3

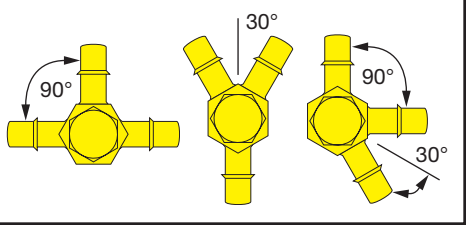
Part Numbers for 10-32 Thread to Tube Reducing Adjustable Y Fittings:

Adjustable Bolt Thread Size → **A10** - **RY** (Fitting Series) **#** (First Branch #) - **#** (Second Branch #) - **#** (Third Branch #)

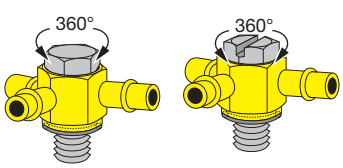
Unless otherwise specified, parts will be Brass. To order other materials, use the following codes:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

Lead times & minimum quantities apply! Consult factory for details!

Alternate branch angles available!

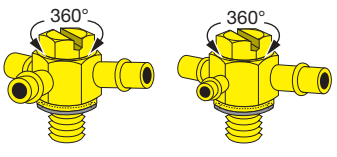


Stainless Steel Bolts available!



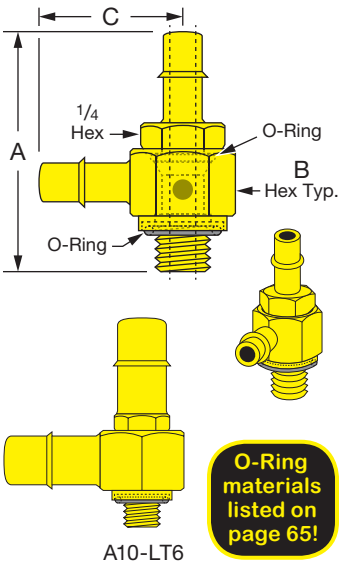
See page 521 for details!

Slotted Bolts available!



C

10-32 Thread Adjustable L-Tees 153

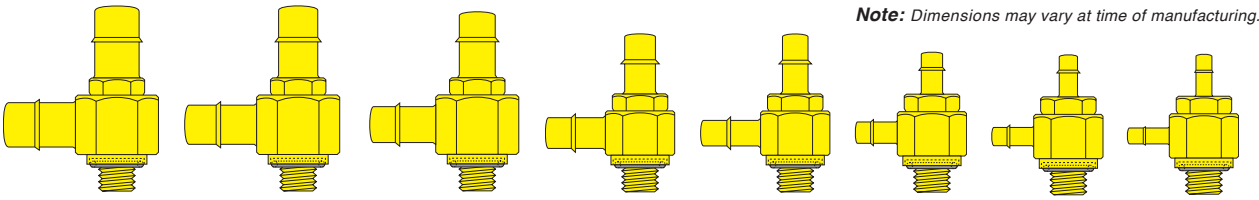


A10-LT6

O-Ring materials listed on page 65!

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	A10-LT1	A10-LT1-SS	A10-LT1-316SS	A10-LT1-NP	47/64	5/16	25/64
5/64 / 2mm	A10-LT2	A10-LT2-SS	A10-LT2-316SS	A10-LT2-NP	47/64	5/16	25/64
3/32	A10-LT2 1/2	A10-LT2 1/2-SS	A10-LT2 1/2-316SS	A10-LT2 1/2-NP	47/64	5/16	25/64
1/8	A10-LT3	A10-LT3-SS	A10-LT3-316SS	A10-LT3-NP	53/64	5/16	33/64
5/32 / 4mm	A10-LT3 1/2	A10-LT3 1/2-SS	A10-LT3 1/2-316SS	A10-LT3 1/2-NP	53/64	5/16	33/64
.170	A10-LT4	A10-LT4-SS	A10-LT4-316SS	A10-LT4-NP	15/16	3/8	17/32
3/16	A10-LT5	A10-LT5-SS	A10-LT5-316SS	A10-LT5-NP	31/32	3/8	9/16
7/32	A10-LT5 1/2	A10-LT5 1/2-SS	A10-LT5 1/2-316SS	A10-LT5 1/2-NP	Consult Factory		
6mm	A10-LT5 3/4	A10-LT5 3/4-SS	A10-LT5 3/4-316SS	A10-LT5 3/4-NP	1 3/32	7/16	23/32
1/4	A10-LT6	A10-LT6-SS	A10-LT6-316SS	A10-LT6-NP	1 3/32	7/16	23/32

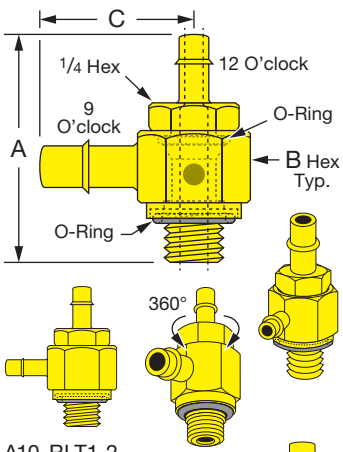
Note: *Dimensions may vary at time of manufacturing.*



A10-LT5 1/2 A10-LT5 A10-LT4 A10-LT3 1/2 A10-LT3 A10-LT2 1/2 A10-LT2 A10-LT1

Other threads available! See page 83 for options!

10-32 Thread to Tube Adjustable Reducing L-Tees 154



A10-RLT1-2

A10-RLT3-2 A10-RLT2-3

Tube ID	Branches Branch Number	Dimensions (Reference) A Ref.	B Typ.	C Ref.	D Ref.
1/16	1	Consult Factory			
5/64 / 2mm	2	Consult Factory			
3/32	2 1/2	Consult Factory			
1/8	3	Consult Factory			
5/32 / 4mm	3 1/2	Consult Factory			

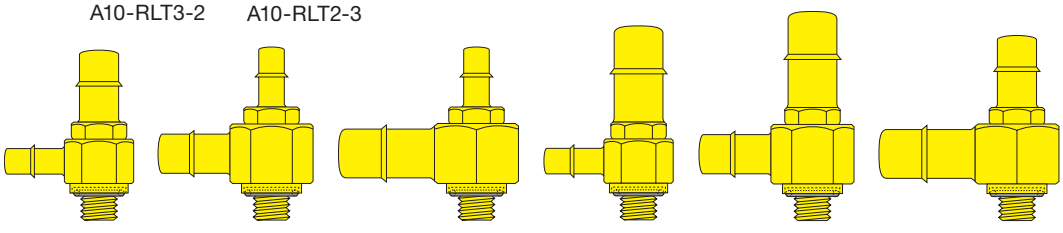
Tube ID	Branches Branch Number	Dimensions (Reference) A Ref.	B Typ.	C Ref.	D Ref.
.170	4	Consult Factory			
3/16	5	Consult Factory			
7/32	5 1/2	Consult Factory			
6mm	5 3/4	Consult Factory			
1/4	6	Consult Factory			

Part Numbers for 10-32 Thread to Tube Reducing Adjustable L-Tee Fittings:

Adjustable Bolt Thread Size → **A10** - **RLT** **#** - **#** ← 12 O'clock Branch #

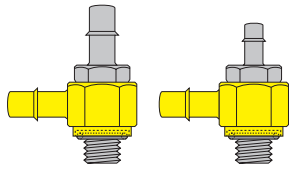
Fitting Series ↑ 9 O'clock Branch # ↑

Unless otherwise specified, parts will be Brass. To order other materials, add the following codes:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate



A10-RLT3-5 A10-RLT5-3 A10-RLT6-3 A10-RLT3-6 A10-RLT5-6 A10-RLT6-5

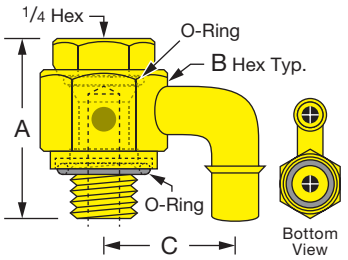
Stainless Steel Bolts available!

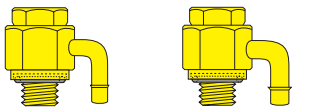


Consult factory for details!

155 10-32 Thread to Tube Adjustable 90° Base Elbows

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	A10-L1-90BASE	A10-L1-90BASE-SS	A10-L1-90BASE-316SS	A10-L1-90BASE-NP	33/64	5/16	Consult Factory
5/64 / 2mm	A10-L2-90BASE	A10-L2-90BASE-SS	A10-L2-90BASE-316SS	A10-L2-90BASE-NP	33/64	5/16	
3/32	A10-L2 1/2-90BASE	A10-L2 1/2-90BASE-SS	A10-L2 1/2-90BASE-316SS	A10-L2 1/2-90BASE-NP	33/64	5/16	
1/8	A10-L3-90BASE	A10-L3-90BASE-SS	A10-L3-90BASE-316SS	A10-L3-90BASE-NP	33/64	5/16	
5/32 / 4mm	A10-L3 1/2-90BASE	A10-L3 1/2-90BASE-SS	A10-L3 1/2-90BASE-316SS	A10-L3 1/2-90BASE-NP	33/64	5/16	
.170	A10-L4-90BASE	A10-L4-90BASE-SS	A10-L4-90BASE-316SS	A10-L4-90BASE-NP	19/32	3/8	
3/16	A10-L5-90BASE	A10-L5-90BASE-SS	A10-L5-90BASE-316SS	A10-L5-90BASE-NP	19/32	3/8	

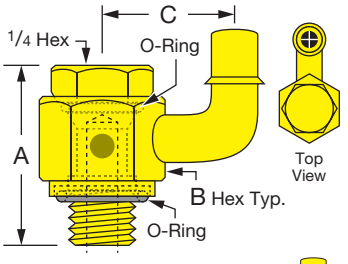


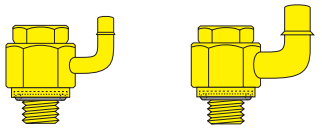


A10-L1-90BASE A10-L2-90BASE

156 10-32 Thread to Tube Adjustable 90° Top Elbows

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	A10-L1-90TOP	A10-L1-90TOP-SS	A10-L1-90TOP-316SS	A10-L1-90TOP-NP	33/64	5/16	Consult Factory
5/64 / 2mm	A10-L2-90TOP	A10-L2-90TOP-SS	A10-L2-90TOP-316SS	A10-L2-90TOP-NP	33/64	5/16	
3/32	A10-L2 1/2-90TOP	A10-L2 1/2-90TOP-SS	A10-L2 1/2-90TOP-316SS	A10-L2 1/2-90TOP-NP	33/64	5/16	
1/8	A10-L3-90TOP	A10-L3-90TOP-SS	A10-L3-90TOP-316SS	A10-L3-90TOP-NP	33/64	5/16	
5/32 / 4mm	A10-L3 1/2-90TOP	A10-L3 1/2-90TOP-SS	A10-L3 1/2-90TOP-316SS	A10-L3 1/2-90TOP-NP	33/64	5/16	
.170	A10-L4-90TOP	A10-L4-90TOP-SS	A10-L4-90TOP-316SS	A10-L4-90TOP-NP	19/32	3/8	
3/16	A10-L5-90TOP	A10-L5-90TOP-SS	A10-L5-90TOP-316SS	A10-L5-90TOP-NP	19/32	3/8	

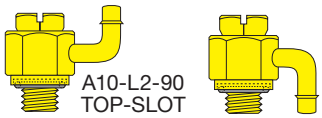




A10-L1-90TOP A10-L3-90TOP

To order, add "-SLOT" to the end of the part number!

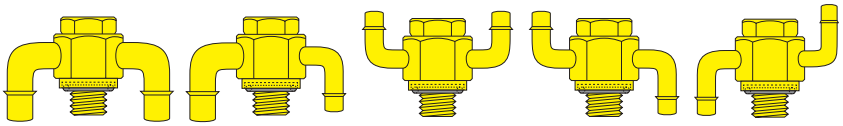
Slotted Bolts also available!



A10-L2-90 TOP-SLOT

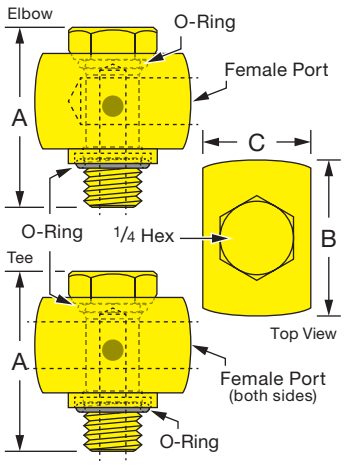
A10-L2-90 BASE-SLOT

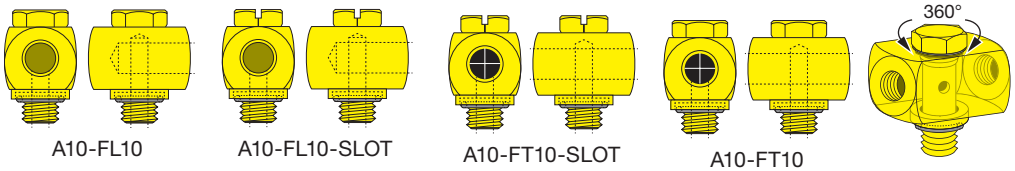
Custom Branch configurations available! Consult factory for details!



157 10-32 Thread Adjustable Elbows and Tees with Female Port(s)

Fitting Type	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Ref.	C Ref.
Elbow (No Slot)	A10-FL-10	A10-FL-10-SS	A10-FL-10-316SS	A10-FL-10-NP	19/32	17/32	3/8
Elbow Slotted Bolt	A10-FL-10-SLOT	A10-FL-10-SLOT-SS	A10-FL-10-SLOT-316SS	A10-FL-10-SLOT-NP	19/32	17/32	3/8
Tee (No Slot)	A10-FT-10	A10-FT-10-SS	A10-FT-10-316SS	A10-FT-10-NP	19/32	17/32	3/8
Tee Slotted Bolt	A10-FT-10-SLOT	A10-FT-10-SLOT-SS	A10-FT-10-SLOT-316SS	A10-FT-10-SLOT-NP	19/32	17/32	3/8





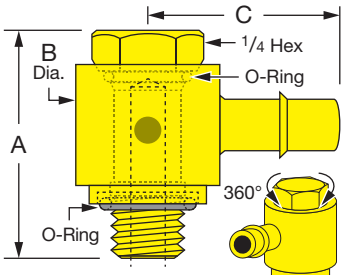
A10-FL10 A10-FL10-SLOT A10-FT10-SLOT A10-FT10

O-Ring material options are listed on page 65!

Stainless Steel & Metric Bolts available! See page 523! Consult factory for details!

C

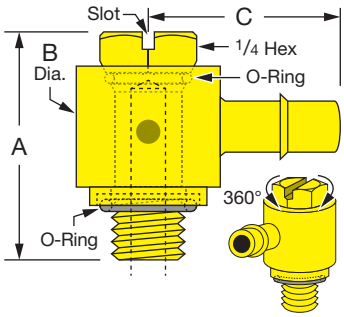
10-32 Thread to Tube Adjustable Elbows with Round Bodies 158



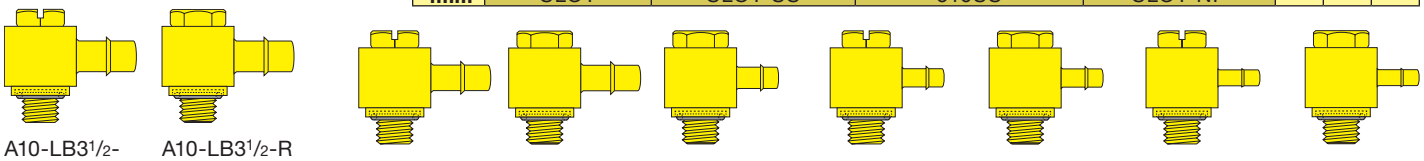
Note: *Dimensions may vary at time of manufacturing. Consult factory!*

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
1/16	A10-LB1-R	A10-LB1-R-SS	A10-LB1-R-316SS	A10-LB1-R-NP	19/32	3/8	13/32
5/64 / 2mm	A10-LB2-R	A10-LB2-R-SS	A10-LB2-R-316SS	A10-LB2-R-NP	19/32	3/8	13/32
3/32	A10-LB2 1/2-R	A10-LB2 1/2-R-SS	A10-LB2 1/2-R-316SS	A10-LB2 1/2-R-NP	19/32	3/8	13/32
1/8	A10-LB3-R	A10-LB3-R-SS	A10-LB3-R-316SS	A10-LB3-R-NP	19/32	3/8	1/2
5/32 / 4mm	A10-LB3 1/2-R	A10-LB3 1/2-R-SS	A10-LB3 1/2-R-316SS	A10-LB3 1/2-R-NP	19/32	3/8	1/2

10-32 Thread Slotted Adjustable Elbows with Round Bodies 159

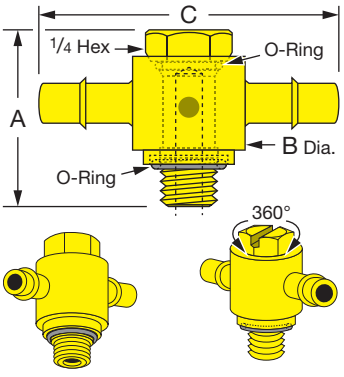


Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
1/16	A10-LB1-R-SLOT	A10-LB1-R-SLOT-SS	A10-LB1-R-SLOT-316SS	A10-LB1-R-SLOT-NP	19/32	3/8	13/32
5/64 / 2mm	A10-LB2-R-SLOT	A10-LB2-R-SLOT-SS	A10-LB2-R-SLOT-316SS	A10-LB2-R-SLOT-NP	19/32	3/8	13/32
3/32	A10-LB2 1/2-R-SLOT	A10-LB2 1/2-R-SLOT-SS	A10-LB2 1/2-R-SLOT-316SS	A10-LB2 1/2-R-SLOT-NP	19/32	3/8	13/32
1/8	A10-LB3-R-SLOT	A10-LB3-R-SLOT-SS	A10-LB3-R-SLOT-316SS	A10-LB3-R-SLOT-NP	19/32	3/8	1/2
5/32 / 4mm	A10-LB3 1/2-R-SLOT	A10-LB3 1/2-R-SLOT-SS	A10-LB3 1/2-R-SLOT-316SS	A10-LB3 1/2-R-SLOT-NP	19/32	3/8	1/2

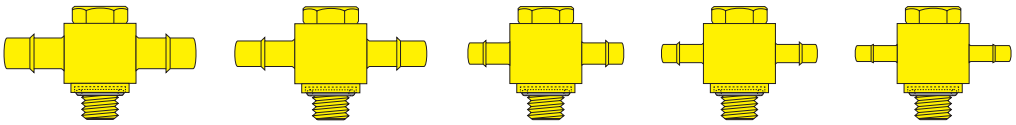


A10-LB3 1/2-R-SLOT · A10-LB3 1/2-R · A10-LB3-R-SLOT · A10-LB3-R · A10-LB2 1/2-R · A10-LB2-R-SLOT · A10-LB2-R · A10-LB1-R-SLOT · A10-LB1-R

10-32 Thread Adjustable Tees with Round Bodies 160



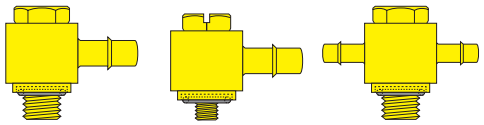
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
1/16	A10-T1-R	A10-T1-R-SS	A10-T1-R-316SS	A10-T1-R-NP	19/32	3/8	13/32
5/64 / 2mm	A10-T2-R	A10-T2-R-SS	A10-T2-R-316SS	A10-T2-R-NP	19/32	3/8	13/32
3/32	A10-T2 1/2-R	A10-T2 1/2-R-SS	A10-T2 1/2-R-316SS	A10-T2 1/2-R-NP	19/32	3/8	13/32
1/8	A10-T3-R	A10-T3-R-SS	A10-T3-R-316SS	A10-T3-R-NP	19/32	3/8	1/2
5/32 / 4mm	A10-T3 1/2-R	A10-T3 1/2-R-SS	A10-T3 1/2-R-316SS	A10-T3 1/2-R-NP	19/32	3/8	1/2



A10-T3 1/2-R · A10-T3-R · A10-T2 1/2-R · A10-T2-R · A10-T1-R

Supplied with Buna-N O-Rings. Other material options listed on page 65!

M3 & M5 threaded bolts available!

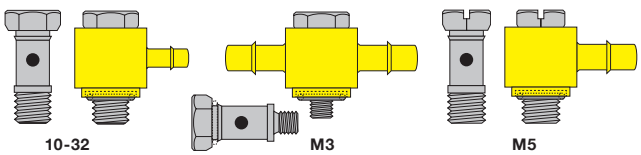


AM5-LB3-R · AM3-LB3-R-SLOT · AM5-T2-R

See page 521 for Nano Adjustables!

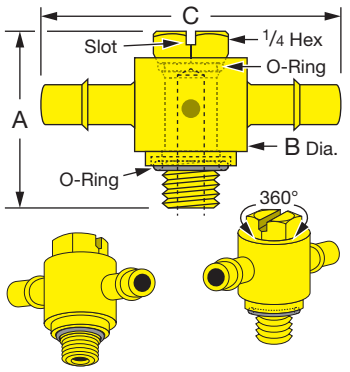
Consult factory for details!

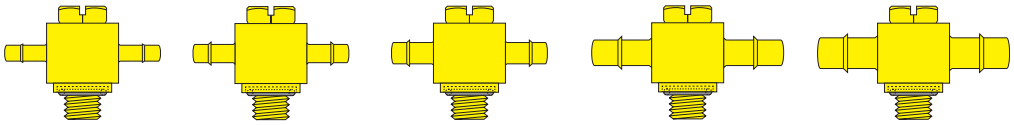
Stainless Steel Bolts available! See pages 522-523!



161 10-32 Thread Slotted Adjustable Tees with Round Bodies

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
1/16	A10-T1-R-SLOT	A10-T1-R-SLOT-SS	A10-T1-R-SLOT-316SS	A10-T1-R-SLOT-NP	19/32	3/8	13/32
5/64 / 2mm	A10-T2-R-SLOT	A10-T2-R-SLOT-SS	A10-T2-R-SLOT-316SS	A10-T2-R-SLOT-NP	19/32	3/8	13/32
3/32	A10-T2 1/2-R-SLOT	A10-T2 1/2-R-SLOT-SS	A10-T2 1/2-R-SLOT-316SS	A10-T2 1/2-R-SLOT-NP	19/32	3/8	13/32
1/8	A10-T3-R-SLOT	A10-T3-R-SLOT-SS	A10-T3-R-SLOT-316SS	A10-T3-R-SLOT-NP	19/32	3/8	1/2
5/32 / 4mm	A10-T3 1/2-R-SLOT	A10-T3 1/2-R-SLOT-SS	A10-T3 1/2-R-SLOT-316SS	A10-T3 1/2-R-SLOT-NP	19/32	3/8	1/2





A10-T1-R-SLOT A10-T2-R-SLOT A10-T2 1/2-R-SLOT A10-T3-R-SLOT A10-T3 1/2-R-SLOT

M3 & M5 Thread Bolts available! Consult factory for details!

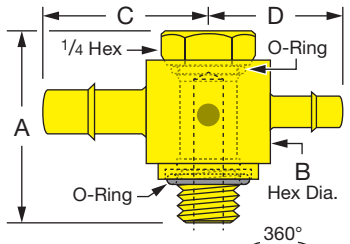
Stainless Steel Bolts available! See page 522!

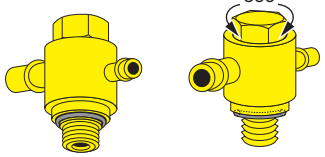
162 10-32 Thread to Tube Adjustable Reducing Tees with Round Bodies

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Dia.	C Ref.	D Ref.
1/16	1	19/32	3/8	13/32	13/32
5/64 / 2mm	2	19/32	3/8	13/32	13/32
3/32	2 1/2	19/32	3/8	13/32	13/32

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Dia.	C Ref.	D Ref.
1/8	3	19/32	3/8	1/2	1/2
5/32 / 4mm	3 1/2	19/32	3/8	1/2	1/2

O-Ring options are listed on page 65!





Part Numbers for 10-32 Thread Adjustable Reducing Tees:

Adjustable Bolt Thread Size → **A10** - **RT** **#** - **#** - **R** ← Round Body Indicator

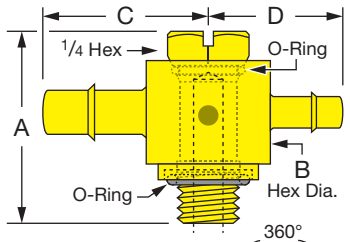
RT ← Fitting Series; **#** ← Larger Branch #; **#** ← Smaller Branch #

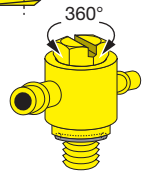
163 10-32 Thread to Tube Slotted Adjustable Reducing Tees with Round Bodies

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Dia.	C Ref.	D Ref.
1/16	1	19/32	3/8	13/32	13/32
5/64 / 2mm	2	19/32	3/8	13/32	13/32
3/32	2 1/2	19/32	3/8	13/32	13/32

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Dia.	C Ref.	D Ref.
1/8	3	19/32	3/8	1/2	1/2
5/32 / 4mm	3 1/2	19/32	3/8	1/2	1/2

O-Ring options are listed on page 65!





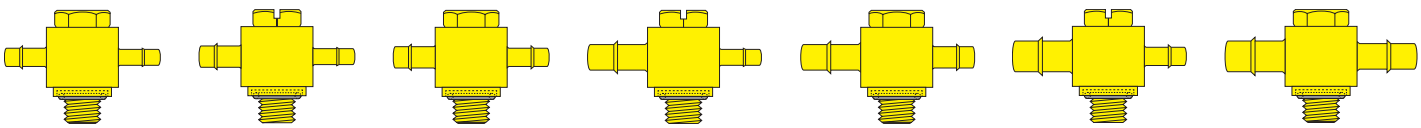
Part Numbers for 10-32 Thread Adjustable Reducing Tees with Slotted Bolts:

Adjustable Bolt Thread Size → **A10** - **RT** **#** - **#** - **R** - **SLOT** ← Slotted Bolt Indicator

RT ← Fitting Series; **#** ← Larger Branch #; **#** ← Smaller Branch #; **R** ← Round Body Indicator

Unless otherwise specified, parts will be Brass. To order other materials, add the following codes to the part number:
-SS = Stainless Steel 303 **-316SS** = Stainless Steel 316 **-NP** = Electroless Nickel Plate

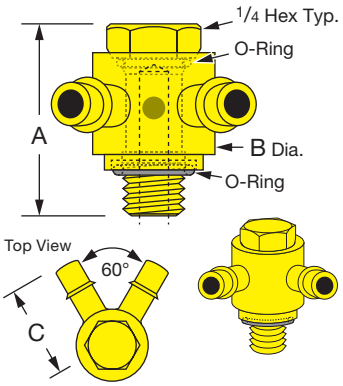
Stainless Steel Bolts available! See page 522!



A10-RT2-1-R A10-RT2 1/2-1-R-SLOT A10-RT2 1/2-2-R A10-RT3-1-R-SLOT A10-RT3-2 1/2-R A10-RT3 1/2-2-R-SLOT A10-RT3 1/2-3-R

C

10-32 Thread Adjustable V-Tees with Round Bodies 164

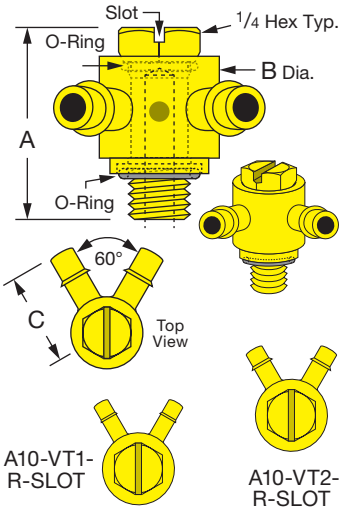


Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
1/16	A10-VT1-R	A10-VT1-R-SS	A10-VT1-R-316SS	A10-VT1-R-NP	19/32	3/8	13/32
5/64 / 2mm	A10-VT2-R	A10-VT2-R-SS	A10-VT2-R-316SS	A10-VT2-R-NP	19/32	3/8	13/32
3/32	A10-VT2 1/2-R	A10-VT2 1/2-R-SS	A10-VT2 1/2-R-316SS	A10-VT2 1/2-R-NP	19/32	3/8	13/32
1/8	A10-VT3-R	A10-VT3-R-SS	A10-VT3-R-316SS	A10-VT3-R-NP	19/32	3/8	1/2
5/32 / 4mm	A10-VT3 1/2-R	A10-VT3 1/2-R-SS	A10-VT3 1/2-R-316SS	A10-VT3 1/2-R-NP	19/32	3/8	1/2

O-Rings material options are listed on page 65!

Stainless Steel bolts are available. See page 522!

10-32 Thread Slotted Adjustable V-Tees with Round Bodies 165

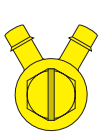


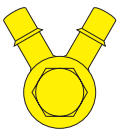
A10-VT1-R-SLOT

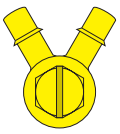
A10-VT2-R-SLOT

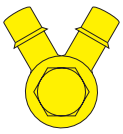
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
1/16	A10-VT1-R-SLOT	A10-VT1-R-SLOT-SS	A10-VT1-R-SLOT-316SS	A10-VT1-R-SLOT-NP	19/32	3/8	13/32
5/64 / 2mm	A10-VT2-R-SLOT	A10-VT2-R-SLOT-SS	A10-VT2-R-SLOT-316SS	A10-VT2-R-SLOT-NP	19/32	3/8	13/32
3/32	A10-VT2 1/2-R-SLOT	A10-VT2 1/2-R-SLOT-SS	A10-VT2 1/2-R-SLOT-316SS	A10-VT2 1/2-R-SLOT-NP	19/32	3/8	13/32
1/8	A10-VT3-R-SLOT	A10-VT3-R-SLOT-SS	A10-VT3-R-SLOT-316SS	A10-VT3-R-SLOT-NP	19/32	3/8	1/2
5/32 / 4mm	A10-VT3 1/2-R-SLOT	A10-VT3 1/2-R-SLOT-SS	A10-VT3 1/2-R-SLOT-316SS	A10-VT3 1/2-R-SLOT-NP	19/32	3/8	1/2

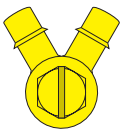

A10-VT2-R


A10-VT2 1/2-R-SLOT

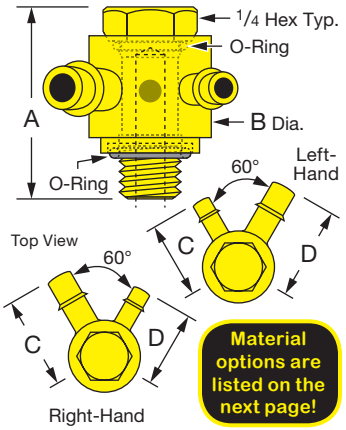

A10-VT3-R


A10-VT3-SLOT


A10-VT3 1/2-R


A10-VT3 1/2-R-SLOT

10-32 Thread to Tube Adjustable Reducing V-Tees with Round Bodies 166



Material options are listed on the next page!

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Dia.	C Ref.	D Ref.
1/16	1	19/32	3/8	13/32	13/32
5/64 / 2mm	2	19/32	3/8	13/32	13/32
3/32	2 1/2	19/32	3/8	13/32	13/32

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Dia.	C Ref.	D Ref.
1/8	3	19/32	3/8	1/2	1/2
5/32 / 4mm	3 1/2	19/32	3/8	1/2	1/2

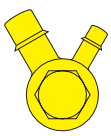
Top View: Right-handed Reducing V-Tees have the smaller branch on the right; Left-handed have the smaller branch on the left.

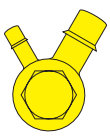
Part Numbers for Adjustable Reducing Left/Right-Hand V-Tees with Round Bodies:

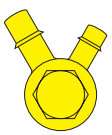
Adjustable Bolt Thread Size → A10 - RVT # - # - LH/RH - R

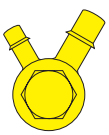
- RVT: Fitting Series
- #: Larger Branch #
- #: Smaller Branch #
- LH/RH: Left/Right-Hand Indicator
- R: Round Body Indicator

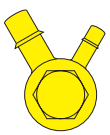

A10-RVT 3 1/2-3-LH-R

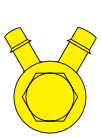

A10-RVT 3 1/2-2-RH-R

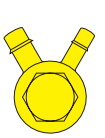

A10-RVT 3 1/2-1-LH-R

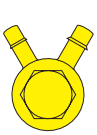

A10-RVT 3-2 1/2RH-R


A10-RVT 3-2-LH-R


A10-RVT 3-1-RH-R


A10-RVT 2 1/2-2-LH-R


A10-RVT 2 1/2-1-RH-R


A10-RVT 2-1-LH-R

To order Slotted Bolts, please add "-SLOT" to the end of the part number!

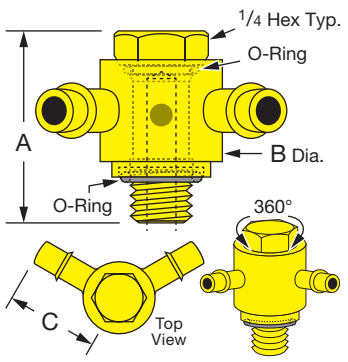
C

167 10-32 Thread to Tube Adjustable Custom V-Tees with Round Bodies

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Dia.	C Ref.
1/16	1	19/32	3/8	13/32
5/64 / 2mm	2	19/32	3/8	13/32
3/32	2 1/2	19/32	3/8	13/32

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Dia.	C Ref.
1/8	3	19/32	3/8	1/2
5/32 / 4mm	3 1/2	19/32	3/8	1/2

75°, 90°, and 120° V-Tees available!



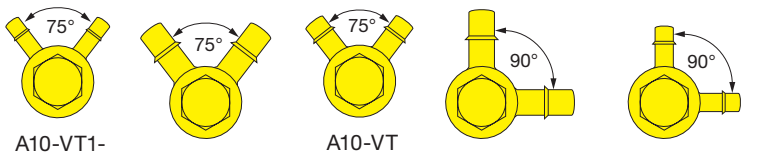
A10-VT3-120°-R A10-VT2-120°-R

Part Numbers for 10-32 Adjustable Custom V-Tees with Round Bodies:

Adjustable Bolt Thread Size → **A10** - **VT** **#** - **#°** - **R** ← Round Body Indicator

A10: Fitting Series; **#**: Branch #; **#°**: Branch Angle

Note: for systems that do not allow the degree (°) symbol to be used, substitute with 'DEG' in the part number.



A10-VT1-75°-R A10-VT3-75°-R A10-VT 2 1/2-75°-R A10-VT3-90°-R A10-VT2-90°-R

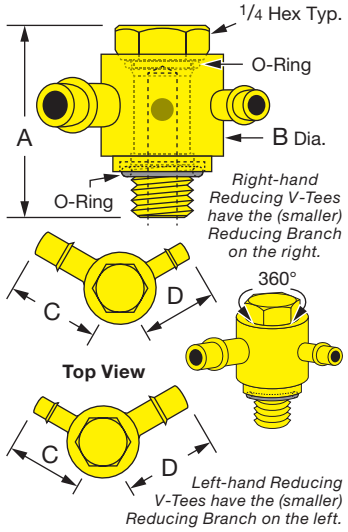
O-Ring options on page 65!

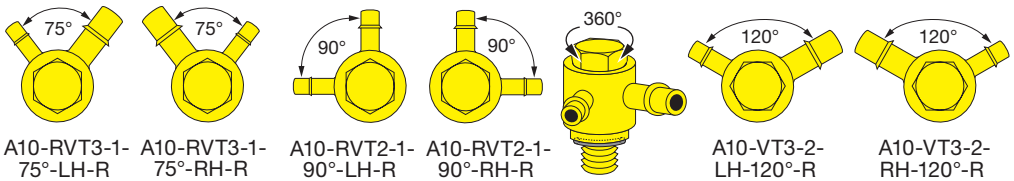
168 10-32 Thread to Tube Adjustable Reducing Custom V-Tees with Round Bodies

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Dia.	C Ref.	D Ref.
1/16	1	19/32	3/8	13/32	13/32
5/64 / 2mm	2	19/32	3/8	13/32	13/32
3/32	2 1/2	19/32	3/8	13/32	13/32

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Dia.	C Ref.	D Ref.
1/8	3	19/32	3/8	1/2	1/2
5/32 / 4mm	3 1/2	19/32	3/8	1/2	1/2

75°, 90°, and 120° V-Tees available!





A10-RVT3-1-75°-LH-R A10-RVT3-1-75°-RH-R A10-RVT2-1-90°-LH-R A10-RVT2-1-90°-RH-R A10-VT3-2-LH-120°-R A10-VT3-2-RH-120°-R

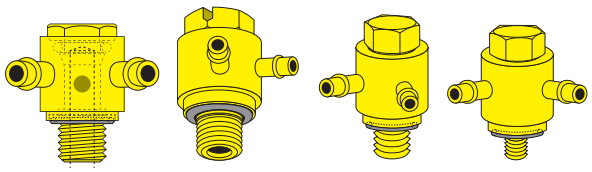
Custom Adjustable V-Tees & Reducing V-Tees with Round Bodies are available with slotted bolts! To order, add "-SLOT" to the end of the part number. Consult factory for details!

Part Numbers for 10-32 Thread to Tube Adjustable Left-Hand & Right-Hand Reducing V-Tees with Round Bodies:

Adjustable Bolt Thread Size → **A10** **RVT** **#** - **#** - **#°** - **LH/RH** - **R** ← Round Body Indicator

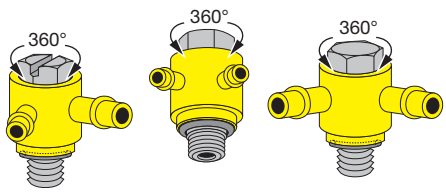
A10: Fitting Series; **#**: Larger Branch #; **#**: Smaller Branch #; **#°**: Branch Angle; **LH/RH**: Left/Right Hand Indicator

Custom Thread Bolts available! See page 83!



A4-28-VT3-120°-R AM6-VT2-90°-R-SLOT AM5-RVT2-1-LH-75°-R AM3-VT3-120°-R

Stainless Steel Bolts available!



See page 521 for details!

Unless otherwise specified, parts will be Brass. To order other materials, add the following codes to the part number:

-SS
Stainless Steel 303

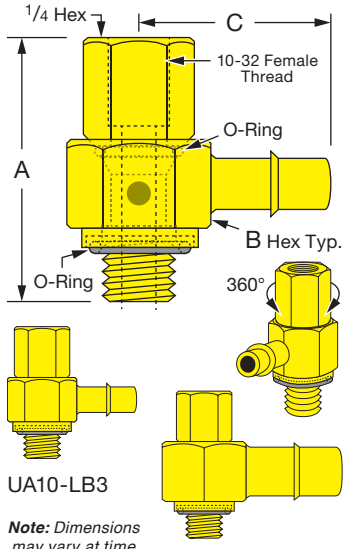
-316SS
Stainless Steel 316

-NP
Electroless Nickel Plate

O-Ring options listed on page 65! **Lead times & minimum quantities apply! Consult factory for details!**

C

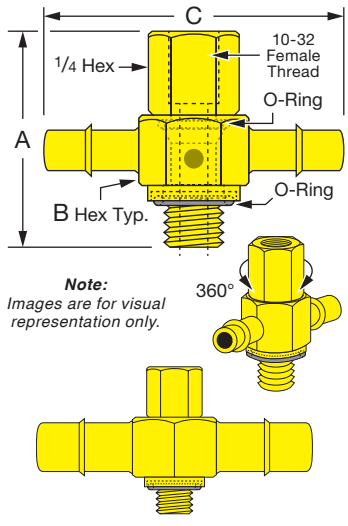
10-32 Universal Adjustable Elbows with 10-32 Female Thread Bolts 169



Note: *Dimensions may vary at time of manufacturing.*

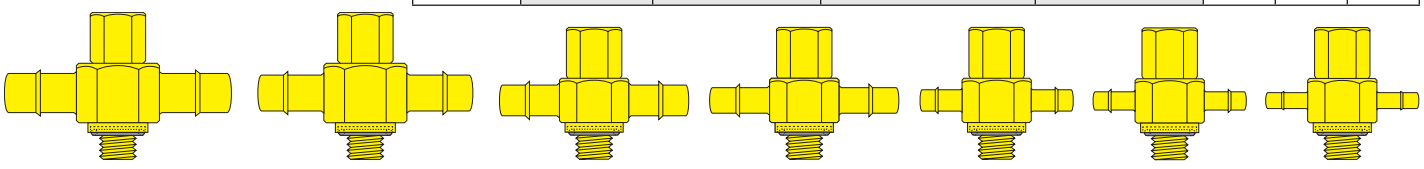
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	UA10-LB1	UA10-LB1-SS	UA10-LB1-316SS	UA10-LB1-NP	11/16	5/16	25/64
5/64 / 2mm	UA10-LB2	UA10-LB2-SS	UA10-LB2-316SS	UA10-LB2-NP	11/16	5/16	25/64
3/32	UA10-LB2 1/2	UA10-LB2 1/2-SS	UA10-LB2 1/2-316SS	UA10-LB2 1/2-NP	11/16	5/16	25/64
1/8	UA10-LB3	UA10-LB3-SS	UA10-LB3-316SS	UA10-LB3-NP	11/16	5/16	33/64
5/32 / 4mm	UA10-LB3 1/2	UA10-LB3 1/2-SS	UA10-LB3 1/2-316SS	UA10-LB3 1/2-NP	11/16	5/16	33/64
.170	UA10-LB4	UA10-LB4-SS	UA10-LB4-316SS	UA10-LB4-NP	49/64	3/8	17/32
3/16	UA10-LB5	UA10-LB5-SS	UA10-LB5-316SS	UA10-LB5-NP	49/64	3/8	9/16
7/32	UA10-LB5 1/2	UA10-LB5 1/2-SS	UA10-LB5 1/2-316SS	UA10-LB5 1/2-NP	***Consult Factory***		
6mm	UA10-LB5 3/4	UA10-LB5 3/4-SS	UA10-LB5 3/4-316SS	UA10-LB5 3/4-NP	49/64	7/16	23/32
1/4	UA10-LB6	UA10-LB6-SS	UA10-LB6-316SS	UA10-LB6-NP	49/64	7/16	23/32

10-32 Universal Adjustable Tees with 10-32 Female Bolts 170



Note: *Images are for visual representation only.*

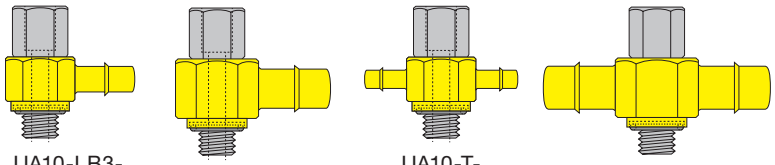
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	UA10-T1	UA10-T1-SS	UA10-T1-316SS	UA10-T1-NP	11/16	5/16	25/32
5/64 / 2mm	UA10-T2	UA10-T2-SS	UA10-T2-316SS	UA10-T2-NP	11/16	5/16	25/32
3/32	UA10-T2 1/2	UA10-T2 1/2-SS	UA10-T2 1/2-316SS	UA10-T2 1/2-NP	11/16	5/16	25/32
1/8	UA10-T3	UA10-T3-SS	UA10-T3-316SS	UA10-T3-NP	11/16	5/16	31/32
5/32 / 4mm	UA10-T3 1/2	UA10-T3 1/2-SS	UA10-T3 1/2-316SS	UA10-T3 1/2-NP	11/16	5/16	31/32
.170	UA10-T4	UA10-T4-SS	UA10-T4-316SS	UA10-T4-NP	49/64	3/8	1 1/32
3/16	UA10-T5	UA10-T5-SS	UA10-T5-316SS	UA10-T5-NP	49/64	3/8	1 1/16
7/32	UA10-T5 1/2	UA10-T5 1/2-SS	UA10-T5 1/2-316SS	UA10-T5 1/2-NP	***Consult Factory***		
6mm	UA10-T5 3/4	UA10-T5 3/4-SS	UA10-T5 3/4-316SS	UA10-T5 3/4-NP	49/64	7/16	1 7/16
1/4	UA10-T6	UA10-T6-SS	UA10-T6-316SS	UA10-T6-NP	49/64	7/16	1 7/16



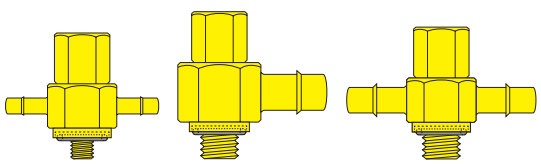
Supplied with Buna-N O-Rings. Other material options are listed on page 65!

Lead times & minimum quantities apply! Consult factory for details!

303 & 316 Stainless Steel Bolts available! Consult factory for details!

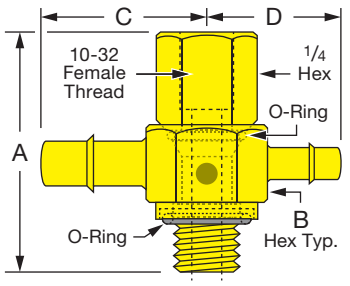


M3 & M5 thread bolts available! Consult factory!

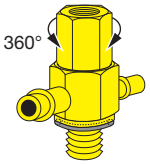


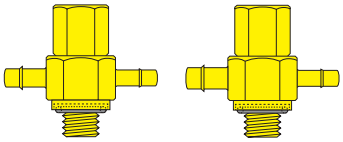
171 10-32 Universal Adjustable Reducing Tees with 10-32 Female Bolts

Tube ID		Part Numbers				Dimensions (Reference)			
Larger Branch	Smaller Branch	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
5/64 / 2mm	1/16	UA10-RT2-1	UA10-RT2-1-SS	UA10-RT2-1-316SS	UA10-RT2-1-NP	11/16	5/16	25/64	25/64
3/32	1/16	UA10-RT2 1/2-1	UA10-RT2 1/2-1-SS	UA10-RT2 1/2-1-316SS	UA10-RT2 1/2-1-NP	11/16	5/16	25/64	25/64
3/32	5/64 / 2mm	UA10-RT2 1/2-2	UA10-RT2 1/2-2-SS	UA10-RT2 1/2-2-316SS	UA10-RT2 1/2-2-NP	11/16	5/16	25/64	25/64
1/8	1/16	UA10-RT3-1	UA10-RT3-1-SS	UA10-RT3-1-316SS	UA10-RT3-1-NP	11/16	5/16	33/64	25/64
1/8	5/64 / 2mm	UA10-RT3-2	UA10-RT3-2-SS	UA10-RT3-2-316SS	UA10-RT3-2-NP	11/16	5/16	33/64	25/64
1/8	3/32	UA10-RT3-2 1/2	UA10-RT3-2 1/2-SS	UA10-RT3-2 1/2-316SS	UA10-RT3-2 1/2-NP	11/16	5/16	33/64	25/64
5/32 / 4mm	1/16	UA10-RT3 1/2-1	UA10-RT3 1/2-1-SS	UA10-RT3 1/2-1-316SS	UA10-RT3 1/2-1-NP	11/16	5/16	33/64	25/64
5/32 / 4mm	5/64 / 2mm	UA10-RT3 1/2-2	UA10-RT3 1/2-2-SS	UA10-RT3 1/2-2-316SS	UA10-RT3 1/2-2-NP	11/16	5/16	33/64	25/64
5/32 / 4mm	3/32	UA10-RT3 1/2-2 1/2	UA10-RT3 1/2-2 1/2-SS	UA10-RT3 1/2-2 1/2-316SS	UA10-RT3 1/2-2 1/2-NP	11/16	5/16	33/64	25/64
5/32 / 4mm	1/8	UA10-RT3 1/2-3	UA10-RT3 1/2-3-SS	UA10-RT3 1/2-3-316SS	UA10-RT3 1/2-3-NP	11/16	5/16	33/64	33/64
.170	1/16	UA10-RT4-1	UA10-RT4-1-SS	UA10-RT4-1-316SS	UA10-RT4-1-NP	49/64	3/8	17/32	13/32
.170	5/64 / 2mm	UA10-RT4-2	UA10-RT4-2-SS	UA10-RT4-2-316SS	UA10-RT4-2-NP	49/64	3/8	17/32	13/32
.170	3/32	UA10-RT4-2 1/2	UA10-RT4-2 1/2-SS	UA10-RT4-2 1/2-316SS	UA10-RT4-2 1/2-NP	49/64	3/8	17/32	13/32
.170	1/8	UA10-RT4-3	UA10-RT4-3-SS	UA10-RT4-3-316SS	UA10-RT4-3-NP	49/64	3/8	17/32	1/2
.170	5/32 / 4mm	UA10-RT4-3 1/2	UA10-RT4-3 1/2-SS	UA10-RT4-3 1/2-316SS	UA10-RT4-3 1/2-NP	49/64	3/8	17/32	1/2
3/16	1/16	UA10-RT5-1	UA10-RT5-1-SS	UA10-RT5-1-316SS	UA10-RT5-1-NP	49/64	3/8	9/16	13/32
3/16	5/64 / 2mm	UA10-RT5-2	UA10-RT5-2-SS	UA10-RT5-2-316SS	UA10-RT5-2-NP	49/64	3/8	9/16	13/32
3/16	3/32	UA10-RT5-2 1/2	UA10-RT5-2 1/2-SS	UA10-RT5-2 1/2-316SS	UA10-RT5-2 1/2-NP	49/64	3/8	9/16	13/32
3/16	1/8	UA10-RT5-3	UA10-RT5-3-SS	UA10-RT5-3-316SS	UA10-RT5-3-NP	49/64	3/8	9/16	1/2
3/16	5/32 / 4mm	UA10-RT5-3 1/2	UA10-RT5-3 1/2-SS	UA10-RT5-3 1/2-316SS	UA10-RT5-3 1/2-NP	49/64	3/8	9/16	1/2
3/16	.170	UA10-RT5-4	UA10-RT5-4-SS	UA10-RT5-4-316SS	UA10-RT5-4-NP	49/64	3/8	9/16	17/32
7/32	1/16	UA10-RT5 1/2-1	UA10-RT5 1/2-1-SS	UA10-RT5 1/2-1-316SS	UA10-RT5 1/2-1-NP	Consult Factory	Consult Factory	Consult Factory	Consult Factory
7/32	5/64 / 2mm	UA10-RT5 1/2-2	UA10-RT5 1/2-2-SS	UA10-RT5 1/2-2-316SS	UA10-RT5 1/2-2-NP				
7/32	3/32	UA10-RT5 1/2-2 1/2	UA10-RT5 1/2-2 1/2-SS	UA10-RT5 1/2-2 1/2-316SS	UA10-RT5 1/2-2 1/2-NP				
7/32	1/8	UA10-RT5 1/2-3	UA10-RT5 1/2-3-SS	UA10-RT5 1/2-3-316SS	UA10-RT5 1/2-3-NP				
7/32	5/32 / 4mm	UA10-RT5 1/2-3 1/2	UA10-RT5 1/2-3 1/2-SS	UA10-RT5 1/2-3 1/2-316SS	UA10-RT5 1/2-3 1/2-NP				
7/32	.170	UA10-RT5 1/2-4	UA10-RT5 1/2-4-SS	UA10-RT5 1/2-4-316SS	UA10-RT5 1/2-4-NP				
7/32	3/16	UA10-RT5 1/2-5	UA10-RT5 1/2-5-SS	UA10-RT5 1/2-5-316SS	UA10-RT5 1/2-5-NP				
6mm	1/16	UA10-RT5 3/4-1	UA10-RT5 3/4-1-SS	UA10-RT5 3/4-1-316SS	UA10-RT5 3/4-1-NP	49/64	7/16	23/32	7/16
6mm	5/64 / 2mm	UA10-RT5 3/4-2	UA10-RT5 3/4-2-SS	UA10-RT5 3/4-2-316SS	UA10-RT5 3/4-2-NP	49/64	7/16	23/32	7/16
6mm	3/32	UA10-RT5 3/4-2 1/2	UA10-RT5 3/4-2 1/2-SS	UA10-RT5 3/4-2 1/2-316SS	UA10-RT5 3/4-2 1/2-NP	49/64	7/16	23/32	7/16
6mm	1/8	UA10-RT5 3/4-3	UA10-RT5 3/4-3-SS	UA10-RT5 3/4-3-316SS	UA10-RT5 3/4-3-NP	49/64	7/16	23/32	17/32
6mm	5/32 / 4mm	UA10-RT5 3/4-3 1/2	UA10-RT5 3/4-3 1/2-SS	UA10-RT5 3/4-3 1/2-316SS	UA10-RT5 3/4-3 1/2-NP	49/64	7/16	23/32	17/32
6mm	.170	UA10-RT5 3/4-4	UA10-RT5 3/4-4-SS	UA10-RT5 3/4-4-316SS	UA10-RT5 3/4-4-NP	49/64	7/16	23/32	9/16
6mm	3/16	UA10-RT5 3/4-5	UA10-RT5 3/4-5-SS	UA10-RT5 3/4-5-316SS	UA10-RT5 3/4-5-NP	49/64	7/16	23/32	19/32
6mm	7/32	UA10-RT5 3/4-5 1/2	UA10-RT5 3/4-5 1/2-SS	UA10-RT5 3/4-5 1/2-316SS	UA10-RT5 3/4-5 1/2-NP	49/64	7/16	23/32	19/32

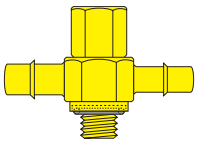


O-Ring material options are listed on page 65!

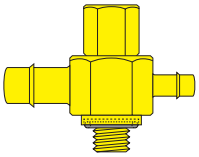




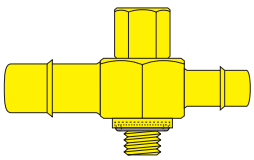
UA10-RT2-1 UA10-RT2 1/2-1



UA10-RT3 1/2-3

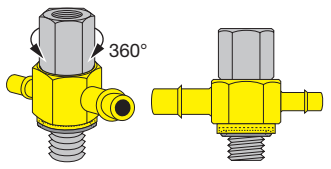


UA10-RT4-2 1/2



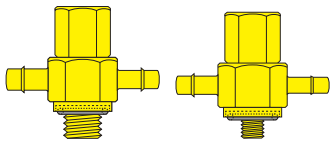
UA10-RT5 3/4-4

Stainless Steel Bolts available!



Consult factory for details!

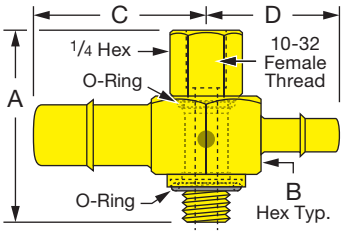
M3 & M5 thread bolts available!

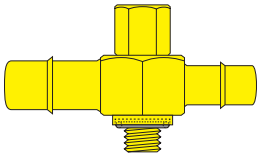


UA-M5-RT2 1/2-2 UA-M3-RT2-1

C

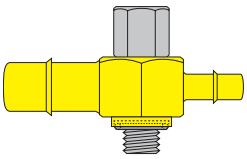
10-32 Universal Adjustable Reducing Tees with 10-32 Female Bolts (cont.) 172





UA10-RT6-5

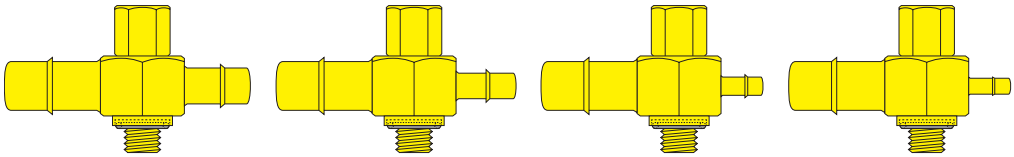
Stainless Steel Bolts available!



UA10-RT6-3-SS BOLT

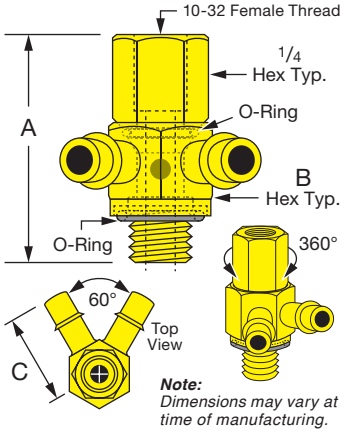
Consult factory for details!

Tube ID		Part Numbers				Dimensions (Reference)			
Larger Branch	Smaller Branch	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/4	1/16	UA10-RT6-1	UA10-RT6-1-SS	UA10-RT6-1-316SS	UA10-RT6-1-NP	49/64	7/16	23/32	7/16
1/4	5/64 / 2mm	UA10-RT6-2	UA10-RT6-2-SS	UA10-RT6-2-316SS	UA10-RT6-2-NP	49/64	7/16	23/32	7/16
1/4	3/32	UA10-RT6-2 1/2	UA10-RT6-2 1/2-SS	UA10-RT6-2 1/2-316SS	UA10-RT6-2 1/2-NP	49/64	7/16	23/32	7/16
1/4	1/8	UA10-RT6-3	UA10-RT6-3-SS	UA10-RT6-3-316SS	UA10-RT6-3-NP	49/64	7/16	23/32	17/32
1/4	5/32 / 4mm	UA10-RT6-3 1/2	UA10-RT6-3 1/2-SS	UA10-RT6-3 1/2-316SS	UA10-RT6-3 1/2-NP	49/64	7/16	23/32	17/32
1/4	.170	UA10-RT6-4	UA10-RT6-4-SS	UA10-RT6-4-316SS	UA10-RT6-4-NP	49/64	7/16	23/32	9/16
1/4	3/16	UA10-RT6-5	UA10-RT6-5-SS	UA10-RT6-5-316SS	UA10-RT6-5-NP	49/64	7/16	23/32	19/32
1/4	7/32	UA10-RT6-5 1/2	UA10-RT6-5 1/2-SS	UA10-RT6-5 1/2-316SS	UA10-RT6-5 1/2-NP	49/64	7/16	23/32	19/32
1/4	6mm	UA10-RT6-5 3/4	UA10-RT6-5 3/4-SS	UA10-RT6-5 3/4-316SS	UA10-RT6-5 3/4-NP	49/64	7/16	23/32	23/32



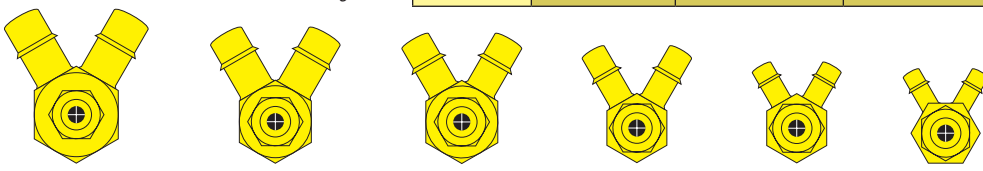
UA10-RT6-4 UA10-RT6-3 UA10-RT6-2 UA10-RT6-1

10-32 Universal Adjustable V-Tees with 10-32 Female Bolts 173



Note: *Dimensions may vary at time of manufacturing.*

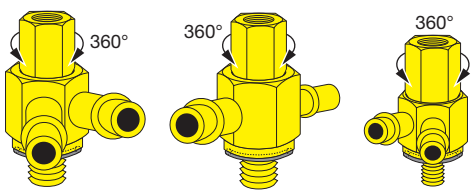
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	UA10-VT1	UA10-VT1-SS	UA10-VT1-316SS	UA10-VT1-NP	33/64	5/16	25/64
5/64 / 2mm	UA10-VT2	UA10-VT2-SS	UA10-VT2-316SS	UA10-VT2-NP	33/64	5/16	25/64
3/32	UA10-VT2 1/2	UA10-VT2 1/2-SS	UA10-VT2 1/2-316SS	UA10-VT2 1/2-NP	33/64	5/16	3/8
1/8	UA10-VT3	UA10-VT3-SS	UA10-VT3-316SS	UA10-VT3-NP	19/32	5/16	15/32
5/32 / 4mm	UA10-VT3 1/2	UA10-VT3 1/2-SS	UA10-VT3 1/2-316SS	UA10-VT3 1/2-NP	19/32	3/8	1/2
.170	UA10-VT4	UA10-VT4-SS	UA10-VT4-316SS	UA10-VT4-NP	19/32	7/16	17/32
3/16	UA10-VT5	UA10-VT5-SS	UA10-VT5-316SS	UA10-VT5-NP	19/32	7/16	19/32



UA10-VT5 A10-VT4 UA10-VT3 1/2 UA10-VT3 UA10-VT2 1/2 UA10-VT2 UA10-VT1

Supplied with Buna-N O-Rings! Other material options are listed page 65!

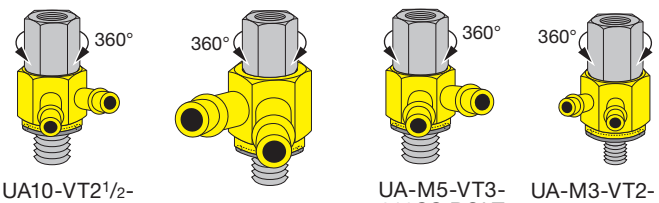
M3 & M5 thread bolts available!



UA-M5-VT5 UA-M5-RT5-3 UA-M3-VT3

Lead times & minimum quantities apply! Consult factory for details!

303 & 316 Stainless Steel Bolts available!

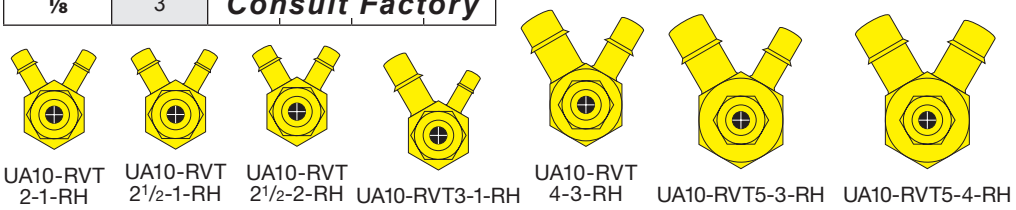


UA10-VT2 1/2-316SS BOLT UA10-VT4-SS BOLT UA-M5-VT3-316SS BOLT UA-M3-VT2-SS BOLT

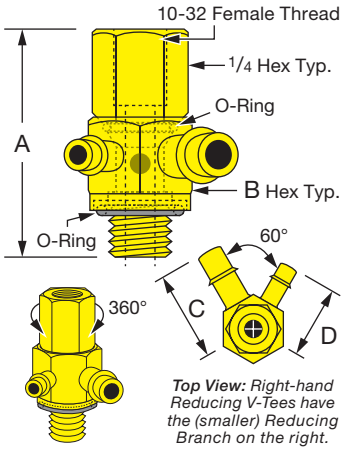
174 10-32 Universal Adjustable Right-Hand Reducing V-Tees with 10-32 Female Bolts

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/16	1	Consult Factory			
5/64 / 2mm	2	Consult Factory			
3/32	2 1/2	Consult Factory			
1/8	3	Consult Factory			

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
5/32 / 4mm	3 1/2	Consult Factory			
.170	4	Consult Factory			
3/16	5	Consult Factory			



UA10-RVT 2-1-RH | UA10-RVT 2 1/2-1-RH | UA10-RVT 2 1/2-2-RH | UA10-RVT3-1-RH | UA10-RVT 4-3-RH | UA10-RVT5-3-RH | UA10-RVT5-4-RH



Top View: Right-hand Reducing V-Tees have the (smaller) Reducing Branch on the right.

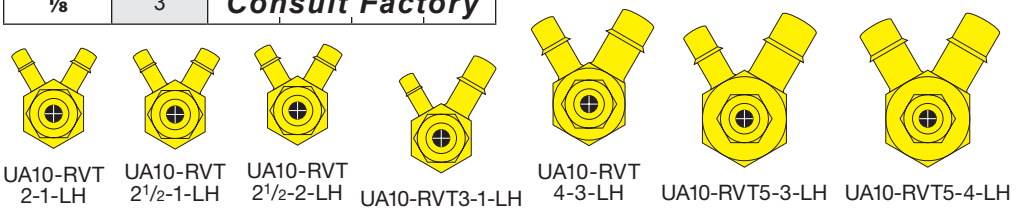
Part Numbers for 10-32 Universal Adjustable Rightt-Hand Reducing V-Tees with Female Bolts:

Universal Adjustable Bolt Size → **UA10** - **RVT** (Fitting Series) **#** (Larger Branch #) - **#** (Smaller Branch #) - **RH** ← Right-Hand Indicator

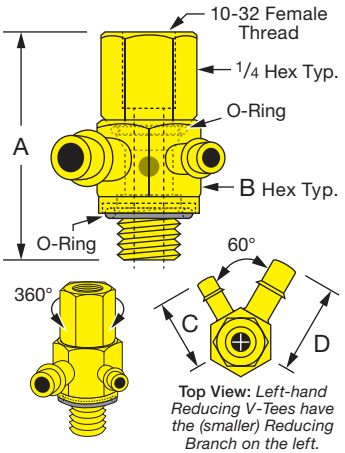
175 10-32 Universal Adjustable Left-Hand Reducing V-Tees with 10-32 Female Bolts

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/16	1	Consult Factory			
5/64 / 2mm	2	Consult Factory			
3/32	2 1/2	Consult Factory			
1/8	3	Consult Factory			

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
5/32 / 4mm	3 1/2	Consult Factory			
.170	4	Consult Factory			
3/16	5	Consult Factory			



UA10-RVT 2-1-LH | UA10-RVT 2 1/2-1-LH | UA10-RVT 2 1/2-2-LH | UA10-RVT3-1-LH | UA10-RVT 4-3-LH | UA10-RVT5-3-LH | UA10-RVT5-4-LH



Top View: *Left-hand Reducing V-Tees have the (smaller) Reducing Branch on the left.*

Part Numbers for 10-32 Universal Adjustable Left-Hand Reducing V-Tees with Female Bolts:

Universal Adjustable Bolt Size → **UA10** - **RVT** (Fitting Series) **#** (Larger Branch #) - **#** (Smaller Branch #) - **LH** ← Left-Hand Indicator

Unless otherwise specified, parts will be Brass. To order other materials, add the following codes to the part number:

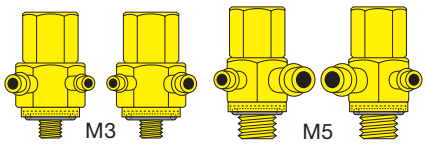
-SS = Stainless Steel 303

-316SS = Stainless Steel 316

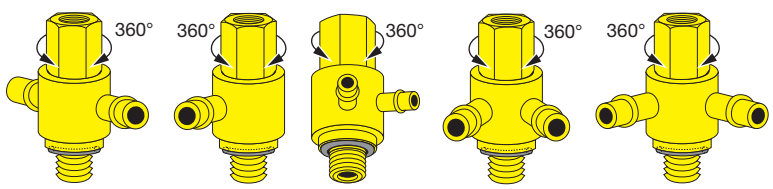
-NP = Electroless Nickel Plate

Supplied with Buna-N O-Rings! Other options are listed on page 65!

M3 & M5 Thread Bolts available!

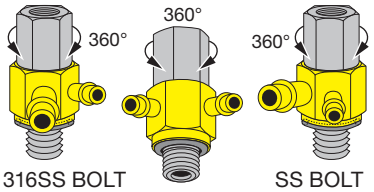


Universal Fittings with Female Bolts are available with Round Bodies!



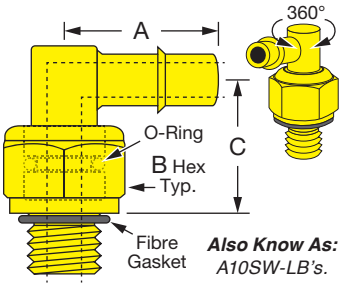
Lead times & minimum quantities apply! Consult factory for details!

Stainless Steel Bolts available!

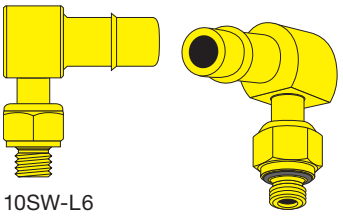


C

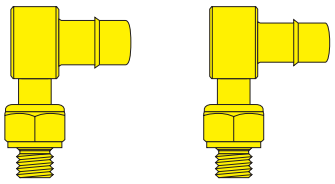
10-32 Male Thread to Tube Swivel Elbows with Fibre Gasket Supplied 176



Also Know As: *A10SW-LB's.*



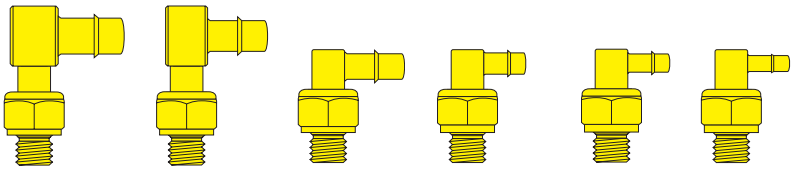
10SW-L6



10SW-L5¹/₂ 10SW-L5

Note:
Dimensions may vary at time of manufacturing.

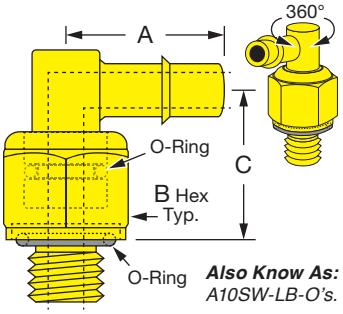
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	10SW-L1	10SW-L1-SS	10SW-L1-316SS	10SW-L1-NP	19/64	5/16	23/64
5/64 / 2mm	10SW-L2	10SW-L2-SS	10SW-L2-316SS	10SW-L2-NP	19/64	5/16	23/64
3/32	10SW-L2¹/₂	10SW-L2¹/₂-SS	10SW-L2¹/₂-316SS	10SW-L2¹/₂-NP	19/64	5/16	23/64
1/8	10SW-L3	10SW-L3-SS	10SW-L3-316SS	10SW-L3-NP	3/8	5/16	11/32
5/32 / 4mm	10SW-L3¹/₂	10SW-L3¹/₂-SS	10SW-L3¹/₂-316SS	10SW-L3¹/₂-NP	27/64	5/16	33/64
.170	10SW-L4	10SW-L4-SS	10SW-L4-316SS	10SW-L4-NP	15/32	5/16	33/64
3/16	10SW-L5	10SW-L5-SS	10SW-L5-316SS	10SW-L5-NP	1/2	5/16	35/64
7/32	10SW-L5¹/₂	10SW-L5¹/₂-SS	10SW-L5¹/₂-316SS	10SW-L5¹/₂-NP	1/2	5/16	35/64
6mm	10SW-L5³/₄	10SW-L5³/₄-SS	10SW-L5³/₄-316SS	10SW-L5³/₄-NP	21/32	5/16	35/64
1/4	10SW-L6	10SW-L6-SS	10SW-L6-316SS	10SW-L6-NP	21/32	5/16	35/64



10SW-L4 10SW-L3¹/₂ 10SW-L3 10SW-L2¹/₂ 10SW-L2 10SW-L1

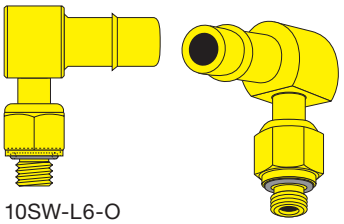
More 10-32 Swivel options are available through the GT Series!
See pages 506 and 507!

10-32 Male Thread to Tube Swivel Elbows with O-Ring Seal Installed 177



Also Know As: *A10SW-LB-O's.*

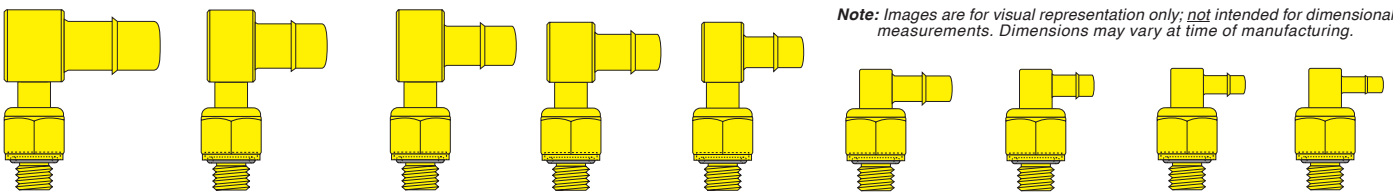
Smaller branches available! Consult factory!



10SW-L6-O

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	10SW-L1-O	10SW-L1-O-SS	10SW-L1-O-316SS	10SW-L1-O-NP	19/64	5/16	25/64
5/64 / 2mm	10SW-L2-O	10SW-L2-O-SS	10SW-L2-O-316SS	10SW-L2-O-NP	19/64	5/16	25/64
3/32	10SW-L2¹/₂-O	10SW-L2¹/₂-O-SS	10SW-L2¹/₂-O-316SS	10SW-L2¹/₂-O-NP	19/64	5/16	25/64
1/8	10SW-L3-O	10SW-L3-O-SS	10SW-L3-O-316SS	10SW-L3-O-NP	3/8	5/16	3/8
5/32 / 4mm	10SW-L3¹/₂-O	10SW-L3¹/₂-O-SS	10SW-L3¹/₂-O-316SS	10SW-L3¹/₂-O-NP	15/32	5/16	9/16
.170	10SW-L4-O	10SW-L4-O-SS	10SW-L4-O-316SS	10SW-L4-O-NP	15/32	5/16	9/16
3/16	10SW-L5-O	10SW-L5-O-SS	10SW-L5-O-316SS	10SW-L5-O-NP	1/2	5/16	19/32
7/32	10SW-L5¹/₂-O	10SW-L5¹/₂-O-SS	10SW-L5¹/₂-O-316SS	10SW-L5¹/₂-O-NP	1/2	5/16	19/32
6mm	10SW-L5³/₄-O	10SW-L5³/₄-O-SS	10SW-L5³/₄-O-316SS	10SW-L5³/₄-O-NP	21/32	5/16	19/32
1/4	10SW-L6-O	10SW-L6-O-SS	10SW-L6-O-316SS	10SW-L6-O-NP	21/32	5/16	19/32

Note: *Images are for visual representation only; not intended for dimensional measurements. Dimensions may vary at time of manufacturing.*



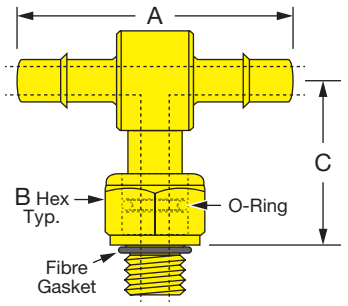
10SW-L5³/₄-O 10SW-L5¹/₂-O 10SW-L5-O 10SW-L4-O 10SW-L3¹/₂-O 10SW-L3-O 10SW-L2¹/₂-O 10SW-L2-O 10SW-L1-O

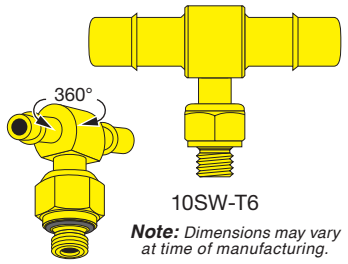
Supplied with Buna-N O-Rings! Other O-Ring options on page 65!

M3 & M5 threads available upon request! Consult factory for details!

178 10-32 Male Thread to Tube Swivel Tees with Fibre Gasket Supplied

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	10SW-T1	10SW-T1-SS	10SW-T1-316SS	10SW-T1-NP	5/8	5/16	31/64
5/64 / 2mm	10SW-T2	10SW-T2-SS	10SW-T2-316SS	10SW-T2-NP	5/8	5/16	31/64
3/32	10SW-T2 1/2	10SW-T2 1/2-SS	10SW-T2 1/2-316SS	10SW-T2 1/2-NP	41/64	5/16	1/2
1/8	10SW-T3	10SW-T3-SS	10SW-T3-316SS	10SW-T3-NP	27/32	5/16	33/64
5/32 / 4mm	10SW-T3 1/2	10SW-T3 1/2-SS	10SW-T3 1/2-316SS	10SW-T3 1/2-NP	27/32	5/16	33/64
.170	10SW-T4	10SW-T4-SS	10SW-T4-316SS	10SW-T4-NP	15/16	5/16	33/64
3/16	10SW-T5	10SW-T5-SS	10SW-T5-316SS	10SW-T5-NP	1	5/16	35/64
7/32	10SW-T5 1/2	10SW-T5 1/2-SS	10SW-T5 1/2-316SS	10SW-T5 1/2-NP	1	5/16	35/64
6mm	10SW-T5 3/4	10SW-T5 3/4-SS	10SW-T5 3/4-316SS	10SW-T5 3/4-NP	1 5/16	5/16	35/64
1/4	10SW-T6	10SW-T6-SS	10SW-T6-316SS	10SW-T6-NP	1 5/16	5/16	35/64

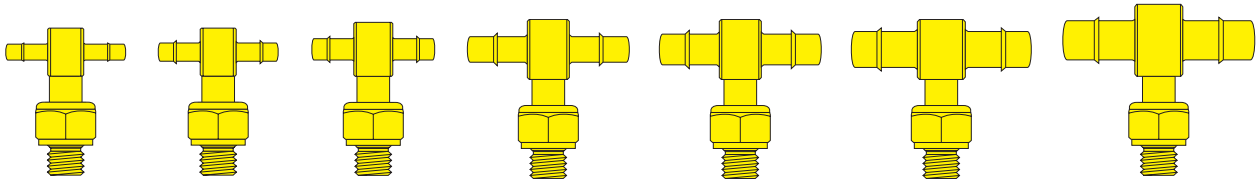




10SW-T6

Note: *Dimensions may vary at time of manufacturing.*

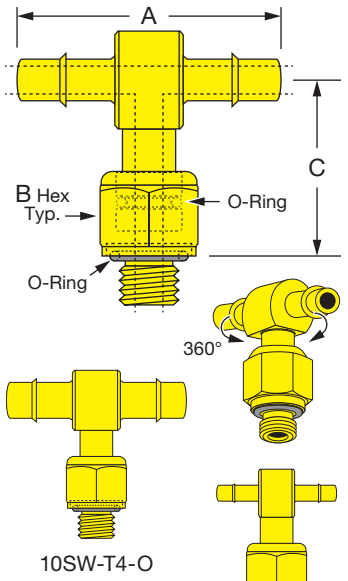
Supplied with Buna-N O-Rings! More O-Ring options are listed on page 65!



10SW-T1 10SW-T2 10SW-T2 1/2 10SW-T3 10SW-T3 1/2 10SW-T4 10SW-T5

179 10-32 Male Thread to Tube Swivel Tees with O-Ring Seal Installed

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	10SW-T1-O	10SW-T1-O-SS	10SW-T1-O-316SS	10SW-T1-O-NP	5/8	5/16	17/32
5/64 / 2mm	10SW-T2-O	10SW-T2-O-SS	10SW-T2-O-316SS	10SW-T2-O-NP	5/8	5/16	17/32
3/32	10SW-T2 1/2-O	10SW-T2 1/2-O-SS	10SW-T2 1/2-O-316SS	10SW-T2 1/2-O-NP	41/64	5/16	35/64
1/8	10SW-T3-O	10SW-T3-O-SS	10SW-T3-O-316SS	10SW-T3-O-NP	27/32	5/16	9/16
5/32 / 4mm	10SW-T3 1/2-O	10SW-T3 1/2-O-SS	10SW-T3 1/2-O-316SS	10SW-T3 1/2-O-NP	27/32	5/16	9/16
.170	10SW-T4-O	10SW-T4-O-SS	10SW-T4-O-316SS	10SW-T4-O-NP	15/16	5/16	9/16
3/16	10SW-T5-O	10SW-T5-O-SS	10SW-T5-O-316SS	10SW-T5-O-NP	1	5/16	19/32
7/32	10SW-T5 1/2-O	10SW-T5 1/2-O-SS	10SW-T5 1/2-O-316SS	10SW-T5 1/2-O-NP	1	5/16	19/32
6mm	10SW-T5 3/4-O	10SW-T5 3/4-O-SS	10SW-T5 3/4-O-316SS	10SW-T5 3/4-O-NP	1 5/16	5/16	19/32
1/4	10SW-T6-O	10SW-T6-O-SS	10SW-T6-O-316SS	10SW-T6-O-NP	1 5/16	5/16	19/32

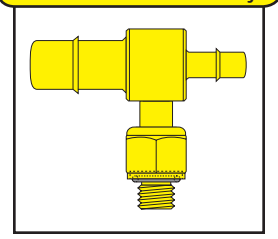


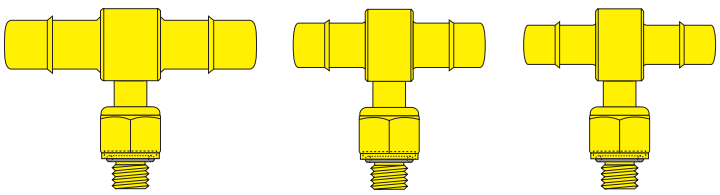
10SW-T4-O

10SW-T1-O

10SW-T2-O

Reducing Swivel Tees available! Consult factory!



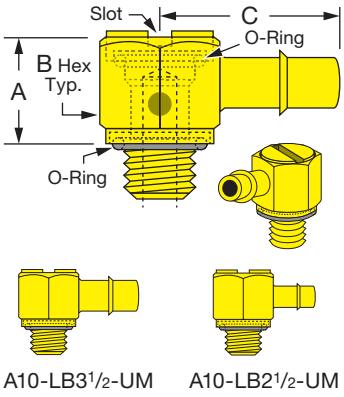


10SW-T6-O 10SW-T5 1/2-O 10SW-T5-O 10SW-T3-O

More 10-32 Swivel options are available through the GT Series! See pages 506 and 507!

C

10-32 Ultra-Miniature Adjustable Elbows with Hex Body 180

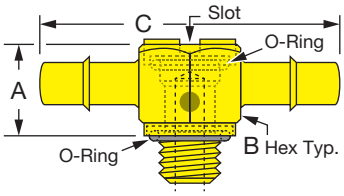


A10-LB3½-UM A10-LB2½-UM

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	A10-LB1-UM	A10-LB1-UM-SS	A10-LB1-UM-316SS	A10-LB1-UM-NP	9/32	5/16	3/8
5/64 / 2mm	A10-LB2-UM	A10-LB2-UM-SS	A10-LB2-UM-316SS	A10-LB2-UM-NP	9/32	5/16	3/8
3/32	A10-LB2½-UM	A10-LB2½-UM-SS	A10-LB2½-UM-316SS	A10-LB2½-UM-NP	9/32	5/16	3/8
1/8	A10-LB3-UM	A10-LB3-UM-SS	A10-LB3-UM-316SS	A10-LB3-UM-NP	9/32	5/16	15/32
5/32 / 4mm	A10-LB3½-UM	A10-LB3½-UM-SS	A10-LB3½-UM-316SS	A10-LB3½-UM-NP	9/32	5/16	15/32

Anodized Aluminum options available! Lead times and minimum quantities apply! See page 522!

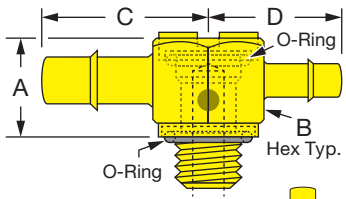
10-32 Ultra-Miniature Adjustable Tees with Hex Body 181

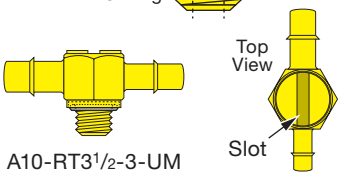


A10-T2-UM A10-T1-UM

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	A10-T1-UM	A10-T1-UM-SS	A10-T1-UM-316SS	A10-T1-UM-NP	9/32	5/16	3/4
5/64 / 2mm	A10-T2-UM	A10-T2-UM-SS	A10-T2-UM-316SS	A10-T2-UM-NP	9/32	5/16	3/4
3/32	A10-T2½-UM	A10-T2½-UM-SS	A10-T2½-UM-316SS	A10-T2½-UM-NP	9/32	5/16	3/4
1/8	A10-T3-UM	A10-T3-UM-SS	A10-T3-UM-316SS	A10-T3-UM-NP	9/32	5/16	15/16
5/32 / 4mm	A10-T3½-UM	A10-T3½-UM-SS	A10-T3½-UM-316SS	A10-T3½-UM-NP	9/32	5/16	15/16

10-32 Ultra-Miniature Adjustable Reducing Tees with Hex Body 182





A10-RT3½-3-UM

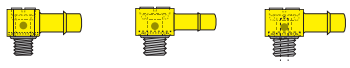
A10-RT3½-2-UM A10-RT2-1-UM

A10-RT3-2-UM A10-RT2½-1-UM

A10-RT3-1-UM A10-RT2½-2-UM

Tube ID		Part Numbers				Dimensions (Reference)			
Larger Branch	Smaller Branch	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
5/64 / 2mm	1/16	A10-RT2-1-UM	A10-RT2-1-UM-SS	A10-RT2-1-UM-316SS	A10-RT2-1-UM-NP	9/32	5/16	3/8	3/8
3/32	1/16	A10-RT2½-1-UM	A10-RT2½-1-UM-SS	A10-RT2½-1-UM-316SS	A10-RT2½-1-UM-NP	9/32	5/16	3/8	3/8
3/32	5/64 / 2mm	A10-RT2½-2-UM	A10-RT2½-2-UM-SS	A10-RT2½-2-UM-316SS	A10-RT2½-2-UM-NP	9/32	5/16	3/8	3/8
1/8	1/16	A10-RT3-1-UM	A10-RT3-1-UM-SS	A10-RT3-1-UM-316SS	A10-RT3-1-UM-NP	9/32	5/16	15/32	3/8
1/8	5/64 / 2mm	A10-RT3-2-UM	A10-RT3-2-UM-SS	A10-RT3-2-UM-316SS	A10-RT3-2-UM-NP	9/32	5/16	15/32	3/8
1/8	3/32	A10-RT3-2½-UM	A10-RT3-2½-UM-SS	A10-RT3-2½-UM-316SS	A10-RT3-2½-UM-NP	9/32	5/16	15/32	3/8
5/32 / 4mm	1/16	A10-RT3½-1-UM	A10-RT3½-1-UM-SS	A10-RT3½-1-UM-316SS	A10-RT3½-1-UM-NP	9/32	5/16	15/32	3/8
5/32 / 4mm	5/64 / 2mm	A10-RT3½-2-UM	A10-RT3½-2-UM-SS	A10-RT3½-2-UM-316SS	A10-RT3½-2-UM-NP	9/32	5/16	15/32	3/8
5/32 / 4mm	3/32	A10-RT3½-2½-UM	A10-RT3½-2½-UM-SS	A10-RT3½-2½-UM-316SS	A10-RT3½-2½-UM-NP	9/32	5/16	15/32	3/8
5/32 / 4mm	1/8	A10-RT3½-3-UM	A10-RT3½-3-UM-SS	A10-RT3½-3-UM-316SS	A10-RT3½-3-UM-NP	9/32	5/16	15/32	15/32

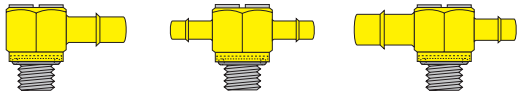
Nano Adjustable Elbows available!



AM2½-LB2-NANO AM3-LB1-NANO AM3-LB2-NANO

See page 521! Consult factory!

Stainless Steel Bolts available! See page 522!



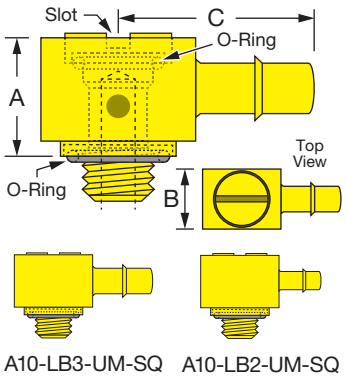
A10-LB3-UM-316SS BOLT A10-T2-UM-SS BOLT A10-RT3½-2½-UM-316SS BOLT

Supplied with Buna-N O-Rings! Other options are listed on page 65!

M3 & M5 Thread Bolts available! Consult factory for details!

183 10-32 Ultra-Miniature Adjustable Elbows with Square Body

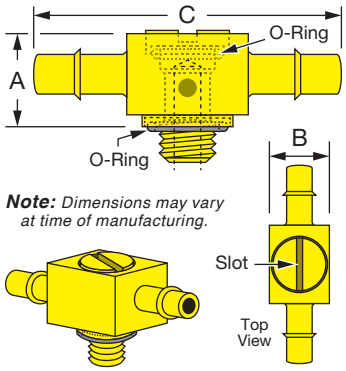
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Ref.	C Ref.
1/16	A10-LB1-UM-SQ	A10-LB1-UM-SQ-SS	A10-LB1-UM-SQ-316SS	A10-LB1-UM-SQ-NP	5/16	5/16	27/64
5/64 / 2mm	A10-LB2-UM-SQ	A10-LB2-UM-SQ-SS	A10-LB2-UM-SQ-316SS	A10-LB2-UM-SQ-NP	5/16	5/16	27/64
3/32	A10-LB2 1/2-UM-SQ	A10-LB2 1/2-UM-SQ-SS	A10-LB2 1/2-UM-SQ-316SS	A10-LB2 1/2-UM-SQ-NP	5/16	5/16	27/64
1/8	A10-LB3-UM-SQ	A10-LB3-UM-SQ-SS	A10-LB3-UM-SQ-316SS	A10-LB3-UM-SQ-NP	5/16	5/16	33/64
5/32 / 4mm	A10-LB3 1/2 -UM-SQ	A10-LB3 1/2-UM-SQ-SS	A10-LB3 1/2-UM-SQ-316SS	A10-LB3 1/2-UM-SQ-NP	5/16	5/16	33/64
.170	A10-LB4-UM-SQ	A10-LB4-UM-SQ-SS	A10-LB4-UM-SQ-316SS	A10-LB4-UM-SQ-NP	5/16	5/16	35/64



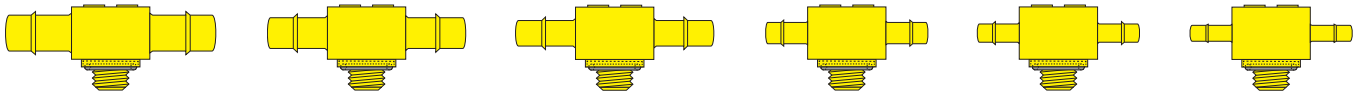
A10-LB3-UM-SQ A10-LB2-UM-SQ

184 10-32 Ultra-Miniature Adjustable Tees with Square Body

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Ref.	C Ref.
1/16	A10-T1-UM-SQ	A10-T1-UM-SQ-SS	A10-T1-UM-SQ-316SS	A10-T1-UM-SQ-NP	5/16	5/16	27/32
5/64 / 2mm	A10-T2-UM-SQ	A10-T2-UM-SQ-SS	A10-T2-UM-SQ-316SS	A10-T2-UM-SQ-NP	5/16	5/16	27/32
3/32	A10-T2 1/2-UM-SQ	A10-T2 1/2-UM-SQ-SS	A10-T2 1/2-UM-SQ-316SS	A10-T2 1/2-UM-SQ-NP	5/16	5/16	27/32
1/8	A10-T3-UM-SQ	A10-T3-UM-SQ-SS	A10-T3-UM-SQ-316SS	A10-T3-UM-SQ-NP	5/16	5/16	1 1/32
5/32 / 4mm	A10-T3 1/2-UM-SQ	A10-T3 1/2-UM-SQ-SS	A10-T3 1/2-UM-SQ-316SS	A10-T3 1/2-UM-SQ-NP	5/16	5/16	1 1/32
.170	A10-T4-UM-SQ	A10-T4-UM-SQ-SS	A10-T4-UM-SQ-316SS	A10-T4-UM-SQ-NP	5/16	5/16	1 3/32



Note: *Dimensions may vary at time of manufacturing.*

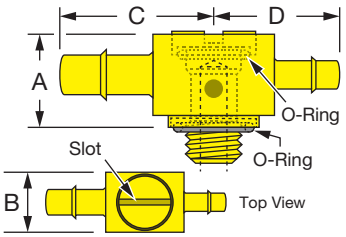


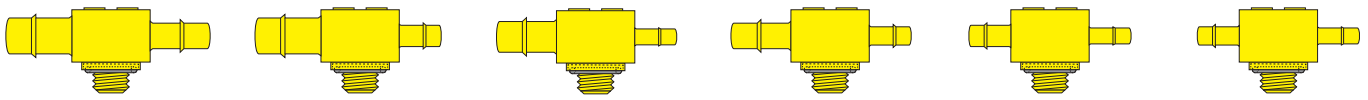
A10-T4-UM-SQ A10-T3 1/2-UM-SQ A10-T3-UM-SQ A10-T2 1/2-UM-SQ A10-T2-UM-SQ A10-T1-UM-SQ

185 10-32 Ultra-Miniature Adjustable Reducing Tees with Square Body

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Ref.	C Ref.	D Ref.
1/16	1	5/16	5/16	27/64	27/64
5/64 / 2mm	2	5/16	5/16	27/64	27/64
3/32	2 1/2	5/16	5/16	27/64	27/64

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Ref.	C Ref.	D Ref.
1/8	3	9/32	5/16	15/32	15/32
5/32 / 4mm	3 1/2	9/32	5/16	15/32	15/32
.170	4	5/16	5/16	35/64	35/64





A10-RT4-3-UM-SQ A10-RT4-2 1/2-UM-SQ A10-RT3 1/2-1-UM-SQ A10-RT3-2-UM-SQ A10-RT2 1/2-1-UM-SQ A10-RT2-1-UM-SQ

Part Numbers for 10-32 Ultra-Miniature Adjustable Reducing Tees with Square Bodies:

Adjustable Bolt Thread Size → **A10** - **RT** (Fitting Series) **#** (Larger Branch #) - **#** (Smaller Branch #) **UM** (Ultra Miniature Indicator) - **SQ** (Square Body Indicator)

Unless otherwise specified, parts will be Brass. To order other materials, add the following codes to the part number:
-SS = Stainless Steel 303 **-316SS** = Stainless Steel 316 **-NP** = Electroless Nickel Plate

O-Ring options on page 65!

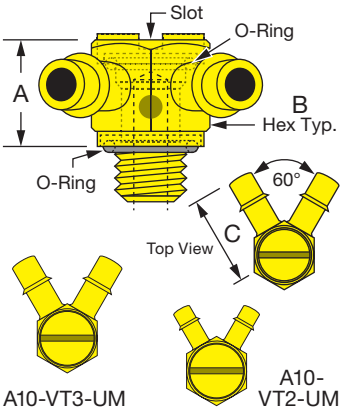
Nano Fittings available! See page 521!

Stainless Steel Bolts available! See page 522!

M3 & M5 Bolts available! Consult factory!

C
D

10-32 Ultra-Miniature Adjustable V-Tees with Hex Body 186

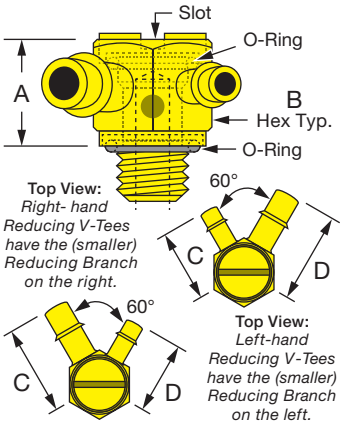


Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	A10-VT1-UM	A10-VT1-UM-SS	A10-VT1-UM-316SS	A10-VT1-UM-NP	9/32	5/16	3/8
5/64 / 2mm	A10-VT2-UM	A10-VT2-UM-SS	A10-VT2-UM-316SS	A10-VT2-UM-NP	9/32	5/16	3/8
3/32	A10-VT2 1/2-UM	A10-VT2 1/2-UM-SS	A10-VT2 1/2-UM-316SS	A10-VT2 1/2-UM-NP	9/32	5/16	3/8
1/8	A10-VT3-UM	A10-VT3-UM-SS	A10-VT3-UM-316SS	A10-VT3-UM-NP	9/32	5/16	15/32
5/32 / 4mm	A10-VT3 1/2-UM	A10-VT3 1/2-UM-SS	A10-VT3 1/2-UM-316SS	A10-VT3 1/2-UM-NP	9/32	5/16	15/32

M3 & M5 Bolts available! Consult factory!

Stainless Steel Bolts available! See page 522!

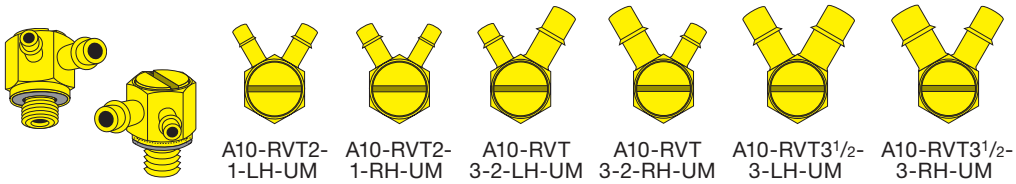
10-32 Ultra-Miniature Adjustable Reducing V-Tees with Hex Body 187



Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/16	1	9/32	5/16	3/8	3/8
5/64 / 2mm	2	9/32	5/16	3/8	3/8
3/32	2 1/2	9/32	5/16	3/8	3/8

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/8	3	9/32	5/16	15/32	15/32
5/32 / 4mm	3 1/2	9/32	5/16	15/32	15/32

Note: *Dimensions may change at time of manufacturing.*



A10-RVT2-1-LH-UM | A10-RVT2-1-RH-UM | A10-RVT 3-2-LH-UM | A10-RVT 3-2-RH-UM | A10-RVT3 1/2-3-LH-UM | A10-RVT3 1/2-3-RH-UM

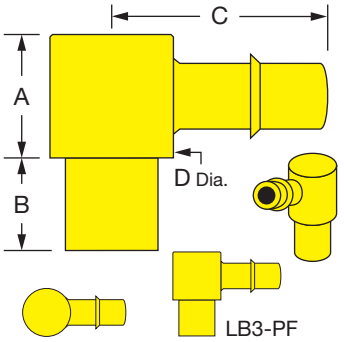
Part Numbers for 10-32 Ultra-Miniature Adjustable Reducing Left or Right Hand V-Tees:

Adjustable Bolt Thread Size → **A10** - **RVT** (Fitting Series) **#** (Larger Branch #) - **#** (Smaller Branch #) **LH/RH** (Left/Right Hand Indicator) - **SQ** (Square Body Indicator)

Unless otherwise specified, parts will be Brass. To order other materials, add the following codes to the part number:
-SS = Stainless Steel 303 **-316SS** = Stainless Steel 316 **-NP** = Electroless Nickel Plate

O-Ring options on page 65!

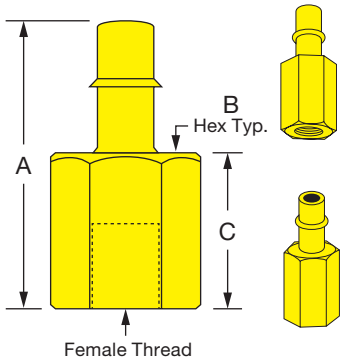
Un-Threaded Press Fit 90° Elbows 188

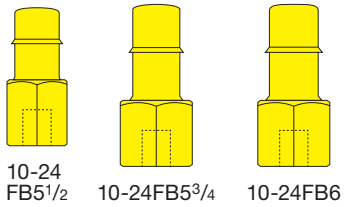


Tube ID	Press in Dimension	Part Numbers	Dimensions (Reference)			
		Brass	A Ref.	B Ref.	C Ref.	D Dia.
1/16	*Consult Factory*	LB1-PF	1/4	3/16	11/32	1/4
5/64 / 2mm	*Consult Factory*	LB2-PF	1/4	3/16	11/32	1/4
3/32	*Consult Factory*	LB2 1/2-PF	1/4	3/16	11/32	1/4
1/8	*Consult Factory*	LB3-PF	1/4	3/16	7/16	1/4
5/32 / 4mm	*Consult Factory*	LB3 1/2-PF	1/4	3/16	7/16	1/4

189 — 10-24 Female Thread to Tube

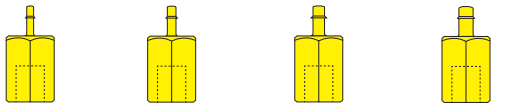
Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	10-24FB1	10-24FB1-SS	10-24FB1-316SS	10-24FB1-AL	10-24FB1-NP	11/16	1/4	11/32
5/64 / 2mm	10-24FB2	10-24FB2-SS	10-24FB2-316SS	10-24FB2-AL	10-24FB2-NP	11/16	1/4	11/32
3/32	10-24FB2 1/2	10-24FB2 1/2-SS	10-24FB2 1/2-316SS	10-24FB2 1/2-AL	10-24FB2 1/2-NP	11/16	1/4	11/32
1/8	10-24FB3	10-24FB3-SS	10-24FB3-316SS	10-24FB3-AL	10-24FB3-NP	21/32	1/4	11/32
5/32 / 4mm	10-24FB3 1/2	10-24FB3 1/2-SS	10-24FB3 1/2-316SS	10-24FB3 1/2-AL	10-24FB3 1/2-NP	21/32	1/4	11/32
.170	10-24FB4	10-24FB4-SS	10-24FB4-316SS	10-24FB4-AL	10-24FB4-NP	21/32	1/4	11/32
3/16	10-24FB5	10-24FB5-SS	10-24FB5-316SS	10-24FB5-AL	10-24FB5-NP	23/32	5/16	11/32
7/32	10-24FB5 1/2	10-24FB5 1/2-SS	10-24FB5 1/2-316SS	10-24FB5 1/2-AL	10-24FB5 1/2-NP	23/32	5/16	11/32
6mm	10-24FB5 3/4	10-24FB5 3/4-SS	10-24FB5 3/4-316SS	10-24FB5 3/4-AL	10-24FB5 3/4-NP	27/32	3/8	11/32
1/4	10-24FB6	10-24FB6-SS	10-24FB6-316SS	10-24FB6-AL	10-24FB6-NP	27/32	3/8	11/32



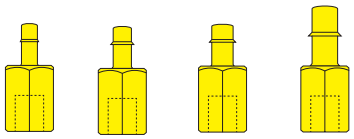


10-24 FB5 1/2 | 10-24FB5 3/4 | 10-24FB6

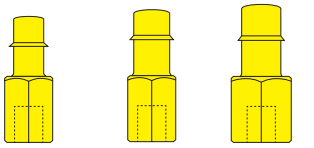
Smaller Tube ID's available! Consult factory for details!



10-24FB.031 | 10-24FB.040 | 10-24FB.045 | 10-24FB.050



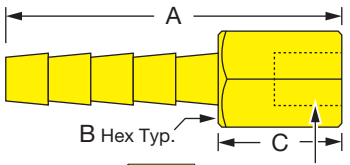
10-24 FB1 | 10-24 FB2 | 10-24 FB2 1/2 | 10-24 FB3

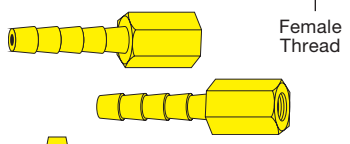


10-24FB3 1/2 | 10-24FB4 | 10-24FB5

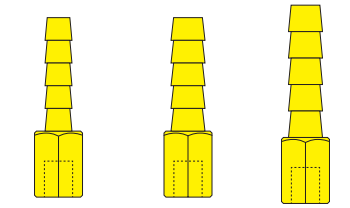
190 — 10-24 Multiple Barb Female Thread to Tube

Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	10-24FB1-CT	10-24FB1-CT-SS	10-24FB1-CT-316SS	10-24FB1-CT-AL	10-24FB1-CT-NP	11/16	1/4	11/32
5/64 / 2mm	10-24FB2-CT	10-24FB2-CT-SS	10-24FB2-CT-316SS	10-24FB2-CT-AL	10-24FB2-CT-NP	11/16	1/4	11/32
3/32	10-24FB 2 1/2-CT	10-24FB2 1/2-CT-SS	10-24FB2 1/2-CT-316SS	10-24FB2 1/2-CT-AL	10-24FB2 1/2-CT-NP	15/16	1/4	11/32
1/8	10-24FB3-CT	10-24FB3-CT-SS	10-24FB3-CT-316SS	10-24FB3-CT-AL	10-24FB3-CT-NP	15/16	1/4	11/32
5/32 / 4mm	10-24FB 3 1/2-CT	10-24FB3 1/2-CT-SS	10-24FB3 1/2-CT-316SS	10-24FB3 1/2-CT-AL	10-24FB3 1/2-CT-NP	15/16	1/4	11/32
.170	10-24FB4-CT	10-24FB4-CT-SS	10-24FB4-CT-316SS	10-24FB4-CT-AL	10-24FB4-CT-NP	1 1/32	1/4	11/32
3/16	10-24FB5-CT	10-24FB5-CT-SS	10-24FB5-CT-316SS	10-24FB5-CT-AL	10-24FB5-CT-NP	1 11/64	5/16	11/32
7/32	10-24FB 5 1/2-CT	10-24FB5 1/2-CT-SS	10-24FB5 1/2-CT-316SS	10-24FB5 1/2-CT-AL	10-24FB5 1/2-CT-NP	1 11/64	5/16	11/32
6mm	10-24FB 5 3/4-CT	10-24FB5 3/4-CT-SS	10-24FB5 3/4-CT-316SS	10-24FB5 3/4-CT-AL	10-24FB5 3/4-CT-NP	1 7/32	3/8	11/32
1/4	10-24FB6-CT	10-24FB6-CT-SS	10-24FB6-CT-316SS	10-24FB6-CT-AL	10-24FB6-CT-NP	1 7/32	3/8	11/32
5/16 / 8mm	10-24FB7-CT	10-24FB7-CT-SS	10-24FB7-CT-316SS	10-24FB7-CT-AL	10-24FB7-CT-NP	1 7/32	3/8	11/32

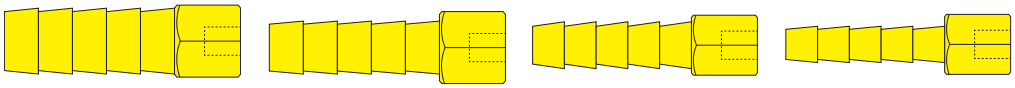




10-24 FB2 1/2-CT | 10-24 FB2-CT | 10-24 FB1-CT



10-24 FB3-CT | 10-24 FB3 1/2-CT | 10-24 FB4-CT



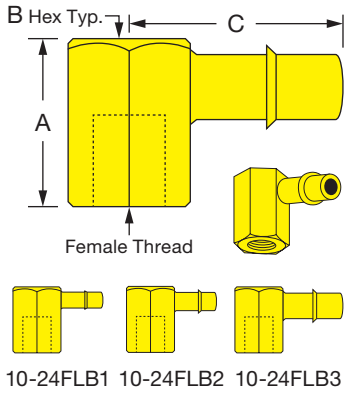
10-24FB7-CT | 10-24FB6-CT | 10-24FB5 1/2-CT | 10-24FB5-CT

Note: *Images are for visual representation only. Dimensions may vary at time of manufacturing. Consult factory for details!*

Multi-Barb Fittings are available with thread sizes & tube ID's up to 2 inches! **Consult factory!** **Peek® fittings available upon request!**

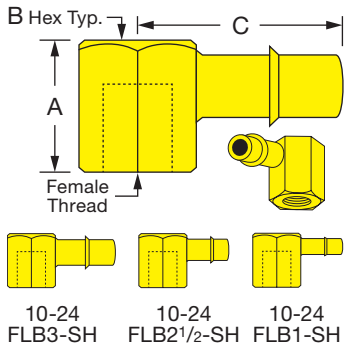
E

10-24 Female Thread to Tube Elbows 191



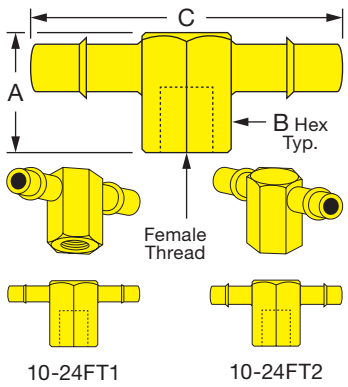
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	10-24FLB1	10-24FLB1-SS	10-24FLB1-316SS	10-24FLB1-NP	11/32	1/4	11/32
5/64 / 2mm	10-24FLB2	10-24FLB2-SS	10-24FLB2-316SS	10-24FLB2-NP	11/32	1/4	11/32
3/32	10-24FLB2 1/2	10-24FLB2 1/2-SS	10-24FLB2 1/2-316SS	10-24FLB2 1/2-NP	11/32	1/4	11/32
1/8	10-24FLB3	10-24FLB3-SS	10-24FLB3-316SS	10-24FLB3-NP	11/32	1/4	7/16
5/32 / 4mm	10-24FLB3 1/2	10-24FLB3 1/2-SS	10-24FLB3 1/2-316SS	10-24FLB3 1/2-NP	11/32	1/4	7/16
.170	10-24FLB4	10-24FLB4-SS	10-24FLB4-316SS	10-24FLB4-NP	11/32	1/4	15/32

10-24 Female Thread to Tube Elbows with Short Bodies 192



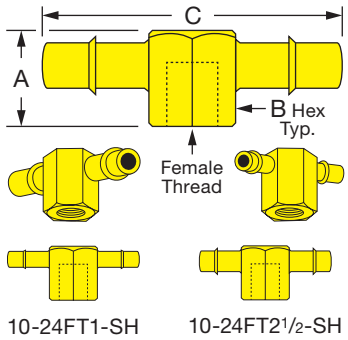
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	10-24FLB1-SH	10-24FLB1-SH-SS	10-24FLB1-SH-316SS	10-24FLB1-SH-NP	9/32	1/4	11/32
5/64 / 2mm	10-24FLB2-SH	10-24FLB2-SH-SS	10-24FLB2-SH-316SS	10-24FLB2-SH-NP	9/32	1/4	11/32
3/32	10-24FLB2 1/2-SH	10-24FLB2 1/2-SH-SS	10-24FLB2 1/2-SH-316SS	10-24FLB2 1/2-SH-NP	9/32	1/4	11/32
1/8	10-24FLB3-SH	10-24FLB3-SH-SS	10-24FLB3-SH-316SS	10-24FLB3-SH-NP	9/32	1/4	9/16
5/32 / 4mm	10-24FLB3 1/2-SH	10-24FLB3 1/2-SH-SS	10-24FLB3 1/2-SH-316SS	10-24FLB3 1/2-SH-NP	9/32	1/4	9/16

10-24 Female Thread to Tube Tees 193



Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	10-24FT1	10-24FT1-SS	10-24FT1-316SS	10-24FT1-NP	11/32	1/4	11/16
5/64 / 2mm	10-24FT2	10-24FT2-SS	10-24FT2-316SS	10-24FT2-NP	11/32	1/4	11/16
3/32	10-24FT2 1/2	10-24FT2 1/2-SS	10-24FT2 1/2-316SS	10-24FT2 1/2-NP	11/32	1/4	11/16
1/8	10-24FT3	10-24FT3-SS	10-24FT3-316SS	10-24FT3-NP	11/32	1/4	7/8
5/32 / 4mm	10-24FT3 1/2	10-24FT3 1/2-SS	10-24FT3 1/2-316SS	10-24FT3 1/2-NP	11/32	1/4	7/8
.170	10-24FT4	10-24FT4-SS	10-24FT4-316SS	10-24FT4-NP	11/32	1/4	15/16

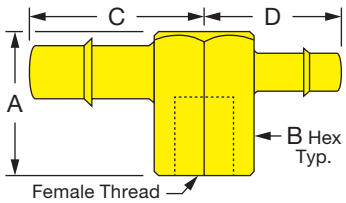
10-24 Female Thread to Tube Tees with Short Bodies 194

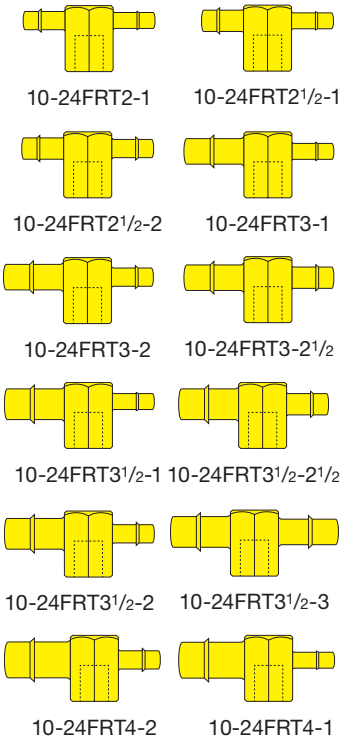


Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	10-24FT1-SH	10-24FT1-SH-SS	10-24FT1-SH-316SS	10-24FT1-SH-NP	9/32	1/4	11/32
5/64 / 2mm	10-24FT2-SH	10-24FT2-SH-SS	10-24FT2-SH-316SS	10-24FT2-SH-NP	9/32	1/4	11/32
3/32	10-24FT2 1/2-SH	10-24FT2 1/2-SH-SS	10-24FT2 1/2-SH-316SS	10-24FT2 1/2-SH-NP	9/32	1/4	11/32
1/8	10-24FT3-SH	10-24FT3-SH-SS	10-24FT3-SH-316SS	10-24FT3-SH-NP	9/32	1/4	7/8
5/32 / 4mm	10-24FT3 1/2-SH	10-24FT3 1/2-SH-SS	10-24FT3 1/2-SH-316SS	10-24FT3 1/2-SH-NP	9/32	1/4	7/8

195 10-24 Female Thread to Tube Reducing Tees

Tube ID		Part Numbers				Dimensions (Reference)			
Larger Branch	Smaller Branch	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
5/64 / 2mm	1/16	10-24FRT2-1	10-24FRT2-1-SS	10-24FRT2-1-316SS	10-24FRT2-1-NP	11/32	1/4	11/32	11/32
3/32	1/16	10-24FRT 2 1/2-1	10-24FRT2 1/2-1-SS	10-24FRT2 1/2-1-316SS	10-24FRT2 1/2-1-NP	11/32	1/4	11/32	11/32
3/32	5/64 / 2mm	10-24FRT 2 1/2-2	10-24FRT2 1/2-2-SS	10-24FRT2 1/2-2-316SS	10-24FRT2 1/2-2-NP	11/32	1/4	11/32	11/32
1/8	1/16	10-24FRT3-1	10-24FRT3-1-SS	10-24FRT3-1-316SS	10-24FRT3-1-NP	11/32	1/4	9/16	11/32
1/8	5/64 / 2mm	10-24FRT3-2	10-24FRT3-2-SS	10-24FRT3-2-316SS	10-24FRT3-2-NP	11/32	1/4	9/16	11/32
1/8	3/32	10-24FRT 3-2 1/2	10-24FRT3-2 1/2-SS	10-24FRT3-2 1/2-316SS	10-24FRT3-2 1/2-NP	11/32	1/4	9/16	11/32
5/32 / 4mm	1/16	10-24FRT 3 1/2-1	10-24FRT3 1/2-1-SS	10-24FRT3 1/2-1-316SS	10-24FRT3 1/2-1-NP	11/32	1/4	9/16	11/32
5/32 / 4mm	5/64 / 2mm	10-24FRT 3 1/2-2	10-24FRT3 1/2-2-SS	10-24FRT3 1/2-2-316SS	10-24FRT3 1/2-2-NP	11/32	1/4	9/16	11/32
5/32 / 4mm	3/32	10-24FRT 3 1/2-2 1/2	10-24FRT3 1/2-2 1/2-SS	10-24FRT3 1/2-2 1/2-316SS	10-24FRT3 1/2-2 1/2-NP	11/32	1/4	9/16	11/32
5/32 / 4mm	1/8	10-24FRT 3 1/2-3	10-24FRT3 1/2-3-SS	10-24FRT3 1/2-3-316SS	10-24FRT3 1/2-3-NP	11/32	1/4	9/16	9/16
.170	1/16	10-24FRT4-1	10-24FRT4-1-SS	10-24FRT4-1-316SS	10-24FRT4-1-NP	11/32	1/4	15/16	11/32
.170	5/64 / 2mm	10-24FRT4-2	10-24FRT4-2-SS	10-24FRT4-2-316SS	10-24FRT4-2-NP	11/32	1/4	15/16	11/32
.170	3/32	10-24FRT4-2 1/2	10-24FRT 4-2 1/2-SS	10-24FRT4-2 1/2-316SS	10-24FRT4-2 1/2-NP	11/32	1/4	15/16	11/32
.170	1/8	10-24FRT4-3	10-24FRT4-3-SS	10-24FRT4-3-316SS	10-24FRT4-3-NP	11/32	1/4	15/16	9/16
.170	5/32 / 4mm	10-24FRT 4-3 1/2	10-24FRT 4-3 1/2-SS	10-24FRT4-3 1/2-316SS	10-24FRT4-3 1/2-NP	11/32	1/4	15/16	9/16

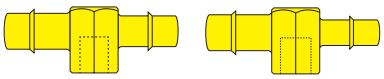




Smaller Tube ID's available!

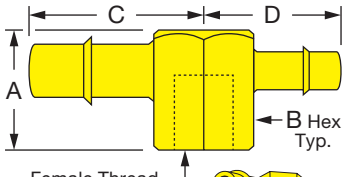


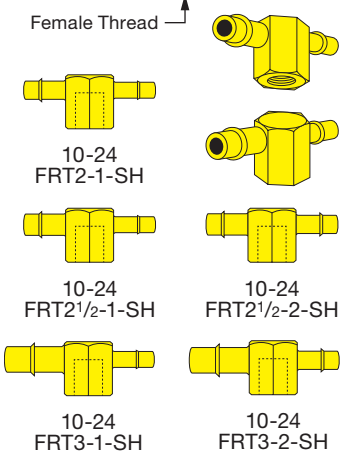
Consult factory for details!

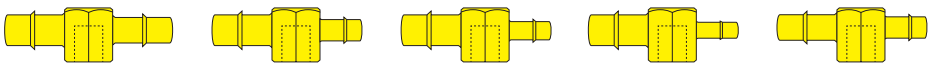


196 10-24 Female Thread to Tube Reducing Tees with Short Bodies

Tube ID		Part Numbers				Dimensions (Reference)			
Larger Branch	Smaller Branch	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
5/64 / 2mm	1/16	10-24FRT2-1-SH	10-24FRT2-1-SH-SS	10-24FRT2-1-SH-316SS	10-24FRT2-1-SH-NP	9/32	1/4	11/32	11/32
3/32	1/16	10-24FRT 2 1/2-1-SH	10-24FRT2 1/2-1-SH-SS	10-24FRT2 1/2-1-SH-316SS	10-24FRT2 1/2-1-SH-NP	9/32	1/4	11/32	11/32
3/32	5/64 / 2mm	10-24FRT 2 1/2-2-SH	10-24FRT2 1/2-2-SH-SS	10-24FRT2 1/2-2-SH-316SS	10-24FRT2 1/2-2-SH-NP	9/32	1/4	11/32	11/32
1/8	1/16	10-24FRT3-1-SH	10-24FRT3-1-SH-SS	10-24FRT3-1-SH-316SS	10-24FRT3-1-SH-NP	9/32	1/4	9/16	11/32
1/8	5/64 / 2mm	10-24FRT3-2-SH	10-24FRT3-2-SH-SS	10-24FRT3-2-SH-316SS	10-24FRT3-2-SH-NP	9/32	1/4	9/16	11/32
1/8	3/32	10-24FRT 3-2 1/2-SH	10-24FRT3-2 1/2-SH-SS	10-24FRT3-2 1/2-SH-316SS	10-24FRT3-2 1/2-SH-NP	9/32	1/4	9/16	11/32
5/32 / 4mm	1/16	10-24FRT 3 1/2-1-SH	10-24FRT3 1/2-1-SH-SS	10-24FRT3 1/2-1-SH-316SS	10-24FRT3 1/2-1-SH-NP	9/32	1/4	9/16	11/32
5/32 / 4mm	5/64 / 2mm	10-24FRT 3 1/2-2-SH	10-24FRT3 1/2-2-SH-SS	10-24FRT3 1/2-2-SH-316SS	10-24FRT3 1/2-2-SH-NP	9/32	1/4	9/16	11/32
5/32 / 4mm	3/32	10-24FRT 3 1/2-2 1/2-SH	10-24FRT3 1/2-2 1/2-SH-SS	10-24FRT3 1/2-2 1/2-SH-316SS	10-24FRT3 1/2-2 1/2-SH-NP	9/32	1/4	9/16	11/32
5/32 / 4mm	1/8	10-24FRT 3 1/2-3-SH	10-24FRT3 1/2-3-SH-SS	10-24FRT3 1/2-3-SH-316SS	10-24FRT3 1/2-3-SH-NP	9/32	1/4	9/16	9/16



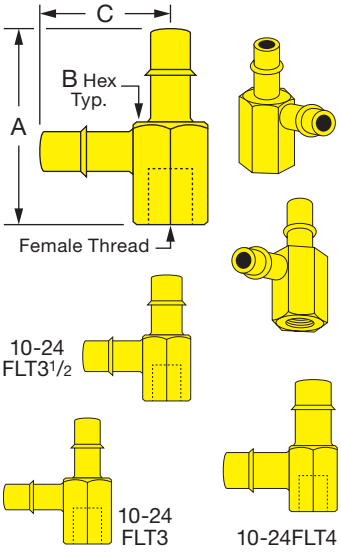




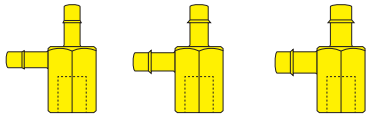
Smaller Tube ID's available! Consult factory for details!

E

10-24 Female Thread to Tube L-Tees 197



Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	10-24FLT1	10-24FLT1-SS	10-24FLT1-316SS	10-24FLT1-NP	9/16	1/4	11/32
5/64 / 2mm	10-24FLT2	10-24FLT2-SS	10-24FLT2-316SS	10-24FLT2-NP	9/16	1/4	11/32
3/32	10-24FLT2 1/2	10-24FLT2 1/2-SS	10-24FLT2 1/2-316SS	10-24FLT2 1/2-NP	9/16	1/4	11/32
1/8	10-24FLT3	10-24FLT3-SS	10-24FLT3-316SS	10-24FLT3-NP	21/32	1/4	11/32
5/32 / 4mm	10-24FLT3 1/2	10-24FLT3 1/2-SS	10-24FLT3 1/2-316SS	10-24FLT3 1/2-NP	21/32	1/4	11/32
.170	10-24FLT4	10-24FLT4-SS	10-24FLT4-316SS	10-24FLT4-NP	11/16	1/4	15/32

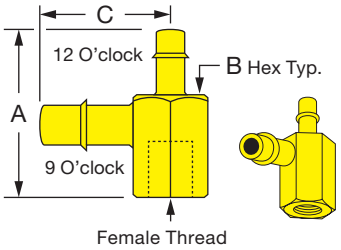


Smaller Tube ID's available!



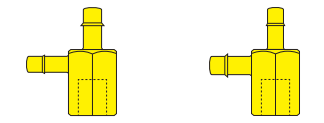
Consult factory for details!

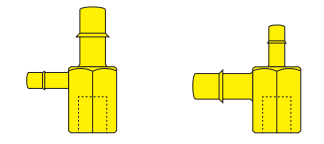
10-24 Female Thread to Tube Reducing L-Tees 198

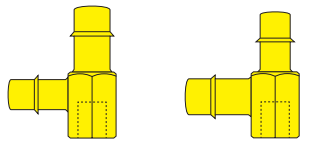


Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/16	1	9/16	1/4	11/32
5/64 / 2mm	2	9/16	1/4	11/32
3/32	2 1/2	9/16	1/4	11/32

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/8	3	21/32	1/4	11/32
5/32 / 4mm	3 1/2	21/32	1/4	11/32
.170	4	11/16	1/4	15/32







Part Numbers for 10-24 Female Thread to Tube Reducing L-Tees:

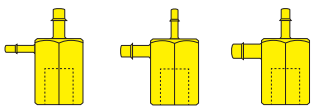
Thread Size → **10-24** **FRLT** **#** - **#** ← 12 O'clock Branch #

Fitting Series

9 O'clock Branch #

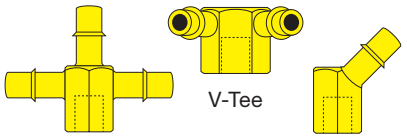
Unless otherwise specified, parts will be Brass.
To order other materials, please add the following codes to the end of the part number:
-SS = Stainless Steel 303 **-316SS** = Stainless Steel 316 **-NP** = Electroless Nickel Plate

Smaller Tube ID's available!

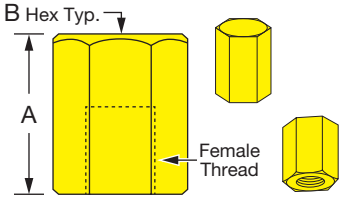


Lead times & minimum quantities apply! Consult factory for details!

Other female fittings available!



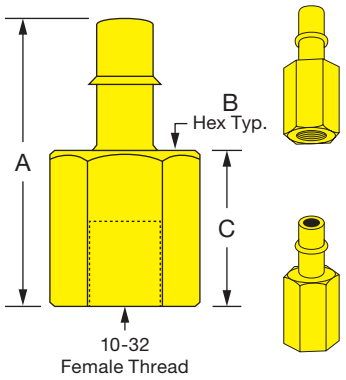
10-24 Female Caps 199

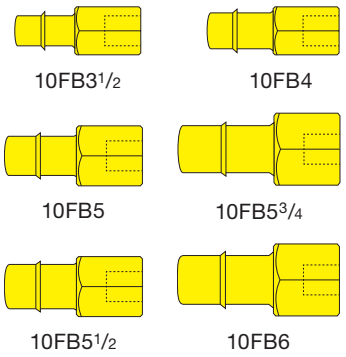


Body Style	Part Numbers					Dimensions (Reference)	
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.
Regular	10-24-CAP	10-24-CAP-SS	10-24-CAP-316SS	10-24-CAP-AL	10-24-CAP-NP	11/32	1/4
Short	10-24-CAP-SH	10-24-CAP-SH-SS	10-24-CAP-SH-316SS	10-24-CAP-SH-AL	10-24-CAP-SH-NP	9/32	1/4

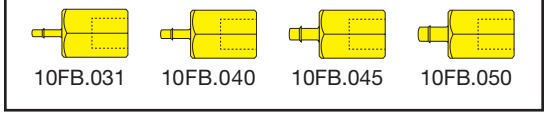
200 — 10-32 Female Thread to Tube

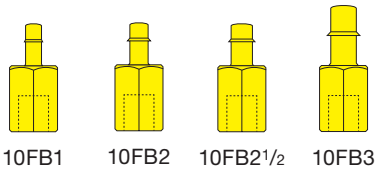
Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	10FB1	10FB1-SS	10FB1-316SS	10FB1-AL	10FB1-NP	9/16	1/4	11/32
5/64 / 2mm	10FB2	10FB2-SS	10FB2-316SS	10FB2-AL	10FB2-NP	9/16	1/4	11/32
3/32	10FB2 1/2	10FB2 1/2-SS	10FB2 1/2-316SS	10FB2 1/2-AL	10FB2 1/2-NP	9/16	1/4	11/32
1/8	10FB3	10FB3-SS	10FB3-316SS	10FB3-AL	10FB3-NP	21/32	1/4	11/32
5/32 / 4mm	10FB3 1/2	10FB3 1/2-SS	10FB3 1/2-316SS	10FB3 1/2-AL	10FB3 1/2-NP	21/32	1/4	11/32
.170	10FB4	10FB4-SS	10FB4-316SS	10FB4-AL	10FB4-NP	21/32	1/4	11/32
3/16	10FB5	10FB5-SS	10FB5-316SS	10FB5-AL	10FB5-NP	23/32	5/16	11/32
7/32	10FB5 1/2	10FB5 1/2-SS	10FB5 1/2-316SS	10FB5 1/2-AL	10FB5 1/2-NP	23/32	5/16	11/32
6mm	10FB5 3/4	10FB5 3/4-SS	10FB5 3/4-316SS	10FB5 3/4-AL	10FB5 3/4-NP	27/32	3/8	11/32
1/4	10FB6	10FB6-SS	10FB6-316SS	10FB6-AL	10FB6-NP	27/32	3/8	11/32





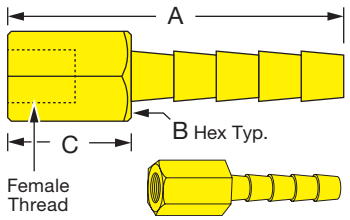
Smaller branch sizes available! Consult factory for details!

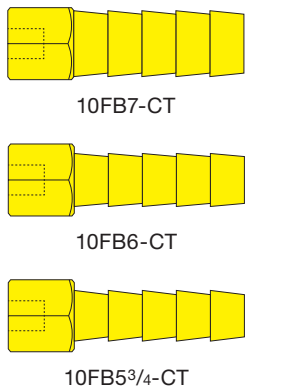




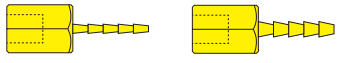
201 — 10-32 Multiple Barb Female Thread to Tube

Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	10FB1-CT	10FB1-CT-SS	10FB1-CT-316SS	10FB1-CT-AL	10FB1-CT-NP	11/16	1/4	11/32
5/64 / 2mm	10FB2-CT	10FB2-CT-SS	10FB2-CT-316SS	10FB2-CT-AL	10FB2-CT-NP	11/16	1/4	11/32
3/32	10FB2 1/2-CT	10FB2 1/2-CT-SS	10FB2 1/2-CT-316SS	10FB2 1/2-CT-AL	10FB2 1/2-CT-NP	15/16	1/4	11/32
1/8	10FB3-CT	10FB3-CT-SS	10FB3-CT-316SS	10FB3-CT-AL	10FB3-CT-NP	15/16	1/4	11/32
5/32 / 4mm	10FB3 1/2-CT	10FB3 1/2-CT-SS	10FB3 1/2-CT-316SS	10FB3 1/2-CT-AL	10FB3 1/2-CT-NP	15/16	1/4	11/32
.170	10FB4-CT	10FB4-CT-SS	10FB4-CT-316SS	10FB4-CT-AL	10FB4-CT-NP	1 1/32	1/4	11/32
3/16	10FB5-CT	10FB5-CT-SS	10FB5-CT-316SS	10FB5-CT-AL	10FB5-CT-NP	1 11/64	5/16	11/32
7/32	10FB5 1/2-CT	10FB5 1/2-CT-SS	10FB5 1/2-CT-316SS	10FB5 1/2-CT-AL	10FB5 1/2-CT-NP	1 11/64	5/16	11/32
6mm	10FB5 3/4-CT	10FB5 3/4-CT-SS	10FB5 3/4-CT-316SS	10FB5 3/4-CT-AL	10FB5 3/4-CT-NP	1 7/32	3/8	11/32
1/4	10FB6-CT	10FB6-CT-SS	10FB6-CT-316SS	10FB6-CT-AL	10FB6-CT-NP	1 7/32	3/8	11/32
5/16 / 8mm	10FB7-CT	10FB7-CT-SS	10FB7-CT-316SS	10FB7-CT-AL	10FB7-CT-NP	1 7/32	3/8	11/32

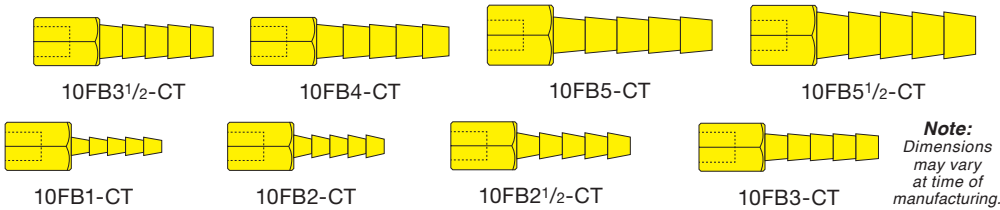




Smaller Tube ID's available!



Consult factory for details!

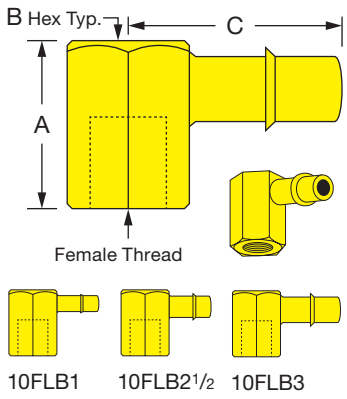


Note: *Dimensions may vary at time of manufacturing.*

Multi-Barb Fittings are available with thread sizes & tube ID's up to 2 inches! **Consult factory!** **Peek® fittings available upon request!**

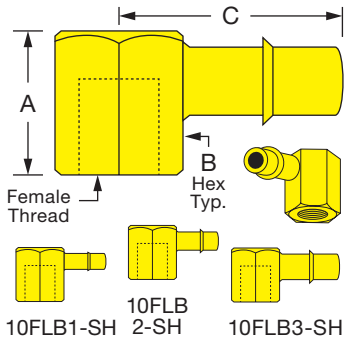
E

10-32 Female Thread to Tube Elbows 202



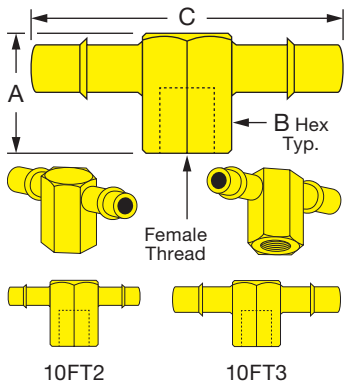
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	10FLB1	10FLB1-SS	10FLB1-316SS	10FLB1-NP	11/32	1/4	11/32
5/64 / 2mm	10FLB2	10FLB2-SS	10FLB2-316SS	10FLB2-NP	11/32	1/4	11/32
3/32	10FLB2 1/2	10FLB2 1/2-SS	10FLB2 1/2-316SS	10FLB2 1/2-NP	11/32	1/4	11/32
1/8	10FLB3	10FLB3-SS	10FLB3-316SS	10FLB3-NP	11/32	1/4	7/16
5/32 / 4mm	10FLB3 1/2	10FLB3 1/2-SS	10FLB3 1/2-316SS	10FLB3 1/2-NP	11/32	1/4	7/16
.170	10FLB4	10FLB4-SS	10FLB4-316SS	10FLB4-NP	11/32	1/4	15/32

10-32 Female Thread to Tube Elbows with Short Bodies 203



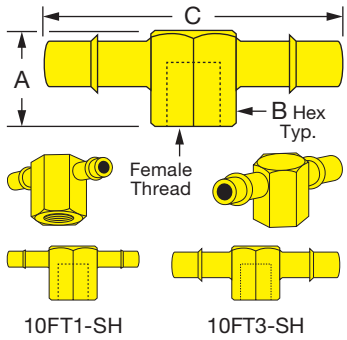
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	10FLB1-SH	10FLB1-SH-SS	10FLB1-SH-316SS	10FLB1-SH-NP	9/32	1/4	11/32
5/64 / 2mm	10FLB2-SH	10FLB2-SH-SS	10FLB2-SH-316SS	10FLB2-SH-NP	9/32	1/4	11/32
3/32	10FLB2 1/2-SH	10FLB2 1/2-SH-SS	10FLB2 1/2-SH-316SS	10FLB2 1/2-SH-NP	9/32	1/4	11/32
1/8	10FLB3-SH	10FLB3-SH-SS	10FLB3-SH-316SS	10FLB3-SH-NP	9/32	1/4	9/16
5/32 / 4mm	10FLB3 1/2-SH	10FLB3 1/2-SH-SS	10FLB3 1/2-SH-316SS	10FLB3 1/2-SH-NP	9/32	1/4	9/16

10-32 Female Thread to Tube Tees 204



Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	10FT1	10FT1-SS	10FT1-316SS	10FT1-NP	11/32	1/4	11/16
5/64 / 2mm	10FT2	10FT2-SS	10FT2-316SS	10FT2-NP	11/32	1/4	11/16
3/32	10FT2 1/2	10FT2 1/2-SS	10FT2 1/2-316SS	10FT2 1/2-NP	11/32	1/4	11/16
1/8	10FT3	10FT3-SS	10FT3-316SS	10FT3-NP	11/32	1/4	7/8
5/32 / 4mm	10FT3 1/2	10FT3 1/2-SS	10FT3 1/2-316SS	10FT3 1/2-NP	11/32	1/4	7/8
.170	10FT4	10FT4-SS	10FT4-316SS	10FT4-NP	11/32	1/4	15/16

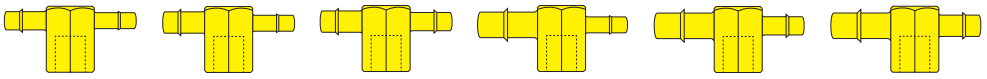
10-32 Female Thread to Tube Tees with Short Bodies 205



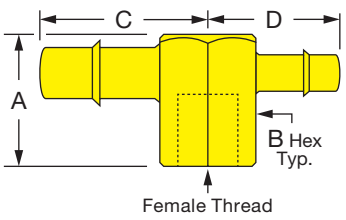
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	10FT1-SH	10FT1-SH-SS	10FT1-SH-316SS	10FT1-SH-NP	9/32	1/4	11/32
5/64 / 2mm	10FT2-SH	10FT2-SH-SS	10FT2-SH-316SS	10FT2-SH-NP	9/32	1/4	11/32
3/32	10FT2 1/2-SH	10FT2 1/2-SH-SS	10FT2 1/2-SH-316SS	10FT2 1/2-SH-NP	9/32	1/4	11/32
1/8	10FT3-SH	10FT3-SH-SS	10FT3-SH-316SS	10FT3-SH-NP	9/32	1/4	7/8
5/32 / 4mm	10FT3 1/2-SH	10FT3 1/2-SH-SS	10FT3 1/2-SH-316SS	10FT3 1/2-SH-NP	9/32	1/4	7/8

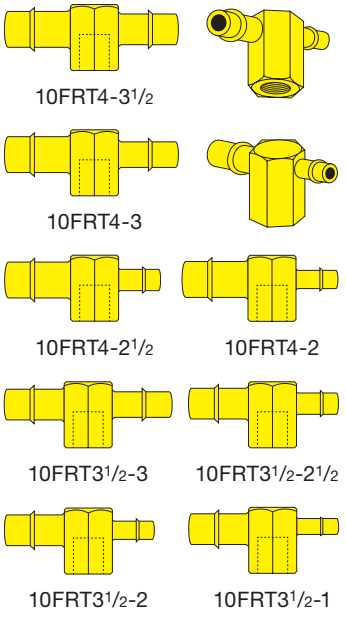
206 10-32 Female Thread to Tube Reducing Tees

Tube ID		Part Numbers				Dimensions (Reference)			
Larger Branch	Smaller Branch	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
5/64 / 2mm	1/16	10FRT2-1	10FRT2-1-SS	10FRT2-1-316SS	10FRT2-1-NP	11/32	1/4	11/32	11/32
3/32	1/16	10FRT2 1/2-1	10FRT2 1/2-1-SS	10FRT2 1/2-1-316SS	10FRT2 1/2-1-NP	11/32	1/4	11/32	11/32
3/32	5/64 / 2mm	10FRT2 1/2-2	10FRT2 1/2-2-SS	10FRT2 1/2-2-316SS	10FRT2 1/2-2-NP	11/32	1/4	11/32	11/32
1/8	1/16	10FRT3-1	10FRT3-1-SS	10FRT3-1-316SS	10FRT3-1-NP	11/32	1/4	9/16	11/32
1/8	5/64 / 2mm	10FRT3-2	10FRT3-2-SS	10FRT3-2-316SS	10FRT3-2-NP	11/32	1/4	9/16	11/32
1/8	3/32	10FRT3-2 1/2	10FRT3-2 1/2-SS	10FRT3-2 1/2-316SS	10FRT3-2 1/2-NP	11/32	1/4	9/16	11/32
5/32 / 4mm	1/16	10FRT3 1/2-1	10FRT3 1/2-1-SS	10FRT3 1/2-1-316SS	10FRT3 1/2-1-NP	11/32	1/4	9/16	11/32
5/32 / 4mm	5/64 / 2mm	10FRT3 1/2-2	10FRT3 1/2-2-SS	10FRT3 1/2-2-316SS	10FRT3 1/2-2-NP	11/32	1/4	9/16	11/32
5/32 / 4mm	3/32	10FRT3 1/2-2 1/2	10FRT3 1/2-2 1/2-SS	10FRT3 1/2-2 1/2-316SS	10FRT3 1/2-2 1/2-NP	11/32	1/4	9/16	11/32
5/32 / 4mm	1/8	10FRT3 1/2-3	10FRT3 1/2-3-SS	10FRT3 1/2-3-316SS	10FRT3 1/2-3-NP	11/32	1/4	9/16	9/16
.170	1/16	10FRT4-1	10FRT4-1-SS	10FRT4-1-316SS	10FRT4-1-NP	11/32	1/4	15/16	11/32
.170	5/64 / 2mm	10FRT4-2	10FRT4-2-SS	10FRT4-2-316SS	10FRT4-2-NP	11/32	1/4	15/16	11/32
.170	3/32	10FRT4-2 1/2	10FRT4-2 1/2-SS	10FRT4-2 1/2-316SS	10FRT4-2 1/2-NP	11/32	1/4	15/16	11/32
.170	1/8	10FRT4-3	10FRT4-3-SS	10FRT4-3-316SS	10FRT4-3-NP	11/32	1/4	15/16	9/16
.170	5/32 / 4mm	10FRT4-3 1/2	10FRT4-3 1/2-SS	10FRT4-3 1/2-316SS	10FRT4-3 1/2-NP	11/32	1/4	15/16	9/16



10FRT2-1 10FRT2 1/2-1 10FRT2 1/2-2 10FRT3-1 10FRT3-2 10FRT3-2 1/2



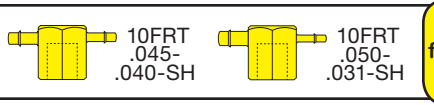


Smaller branch sizes available! Consult factory for details!

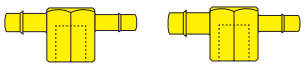
207 10-32 Female Thread to Tube Reducing Tees with Short Bodies

Tube ID		Part Numbers				Dimensions (Reference)			
Larger Branch	Smaller Branch	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
5/64 / 2mm	1/16	10FRT2-1-SH	10FRT2-1-SH-SS	10FRT2-1-SH-316SS	10FRT2-1-SH-NP	9/32	1/4	11/32	11/32
3/32	1/16	10FRT2 1/2-1-SH	10FRT2 1/2-1-SH-SS	10FRT2 1/2-1-SH-316SS	10FRT2 1/2-1-SH-NP	9/32	1/4	11/32	11/32
3/32	5/64 / 2mm	10FRT2 1/2-2-SH	10FRT2 1/2-2-SH-SS	10FRT2 1/2-2-SH-316SS	10FRT2 1/2-2-SH-NP	9/32	1/4	11/32	11/32
1/8	1/16	10FRT3-1-SH	10FRT3-1-SH-SS	10FRT3-1-SH-316SS	10FRT3-1-SH-NP	9/32	1/4	9/16	11/32
1/8	5/64 / 2mm	10FRT3-2-SH	10FRT3-2-SH-SS	10FRT3-2-SH-316SS	10FRT3-2-SH-NP	9/32	1/4	9/16	11/32
1/8	3/32	10FRT3-2 1/2-SH	10FRT3-2 1/2-SH-SS	10FRT3-2 1/2-SH-316SS	10FRT3-2 1/2-SH-NP	9/32	1/4	9/16	11/32
5/32 / 4mm	1/16	10FRT3 1/2-1-SH	10FRT3 1/2-1-SH-SS	10FRT3 1/2-1-SH-316SS	10FRT3 1/2-1-SH-NP	9/32	1/4	9/16	11/32
5/32 / 4mm	5/64 / 2mm	10FRT3 1/2-2-SH	10FRT3 1/2-2-SH-SS	10FRT3 1/2-2-SH-316SS	10FRT3 1/2-2-SH-NP	9/32	1/4	9/16	11/32
5/32 / 4mm	3/32	10FRT3 1/2-2 1/2-SH	10FRT3 1/2-2 1/2-SH-SS	10FRT3 1/2-2 1/2-SH-316SS	10FRT3 1/2-2 1/2-SH-NP	9/32	1/4	9/16	11/32
5/32 / 4mm	1/8	10FRT3 1/2-3-SH	10FRT3 1/2-3-SH-SS	10FRT3 1/2-3-SH-316SS	10FRT3 1/2-3-SH-NP	9/32	1/4	9/16	9/16

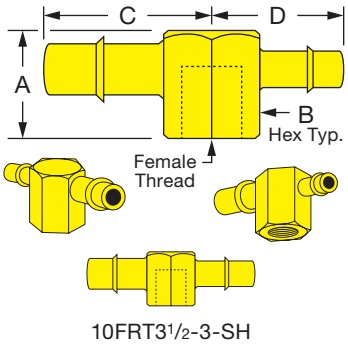
Smaller Tube ID's available!



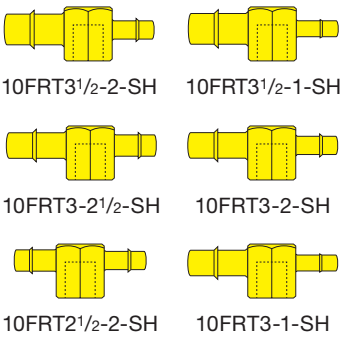
Consult factory for details!



10FRT 2-1-SH 10FRT 2 1/2-1-SH

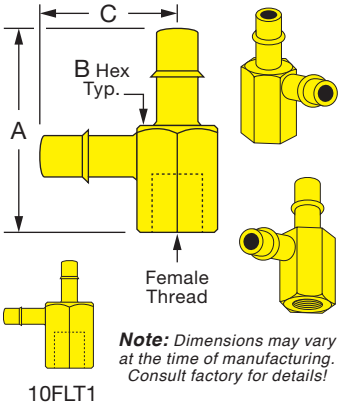


10FRT3 1/2-3-SH



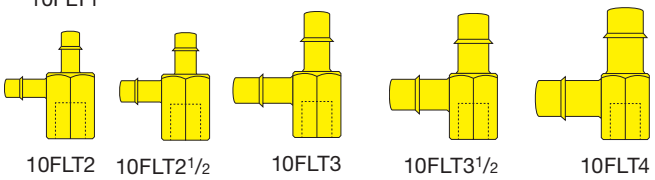
E

10-32 Female Thread to Tube L-Tees 208

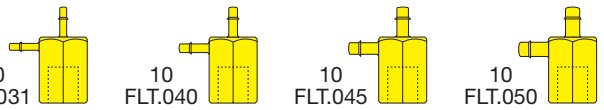


Note: *Dimensions may vary at the time of manufacturing. Consult factory for details!*

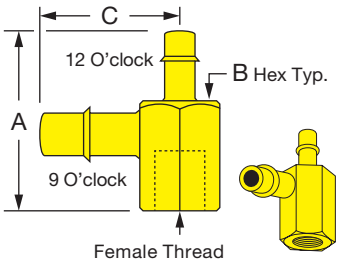
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	10FLT1	10FLT1-SS	10FLT1-316SS	10FLT1-NP	9/32	1/4	11/32
5/64 / 2mm	10FLT2	10FLT2-SS	10FLT2-316SS	10FLT2-NP	9/32	1/4	11/32
3/32	10FLT2 1/2	10FLT2 1/2-SS	10FLT2 1/2-316SS	10FLT2 1/2-NP	9/32	1/4	11/32
1/8	10FLT3	10FLT3-SS	10FLT3-316SS	10FLT3-NP	21/32	1/4	11/32
5/32 / 4mm	10FLT3 1/2	10FLT3 1/2-SS	10FLT3 1/2-316SS	10FLT3 1/2-NP	21/32	1/4	11/32
.170	10FLT4	10FLT4-SS	10FLT4-316SS	10FLT4-NP	21/32	1/4	11/32



Smaller Tube ID's available! Consult factory for details!

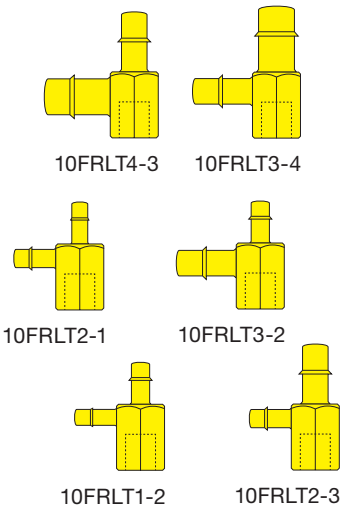


10-32 Female Thread to Tube Reducing L-Tees 209



Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/16	1	9/16	1/4	11/32
5/64 / 2mm	2	9/16	1/4	11/32
3/32	2 1/2	9/16	1/4	11/32

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/8	3	21/32	1/4	11/32
5/32 / 4mm	3 1/2	21/32	1/4	11/32
.170	4	11/16	1/4	15/32



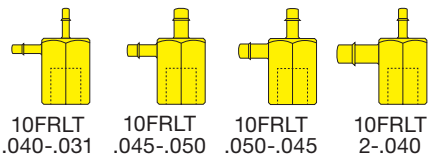
Part Numbers for 10-32 Female Thread to Tube Reducing L-Tees:

Thread Size → 10 FRLT # - # ← 12 O'clock Branch #

10 = Thread Size; FRLT = Fitting Series; # = 9 O'clock Branch #; # = 12 O'clock Branch #

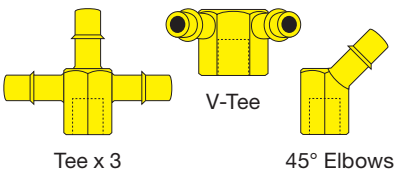
Unless otherwise specified, parts will be Brass.
To order other materials, please add the following codes to the end of the part number:
-SS = Stainless Steel 303 **-316SS** = Stainless Steel 316 **-NP** = Electroless Nickel Plate

Smaller Branches/Tube ID's available!

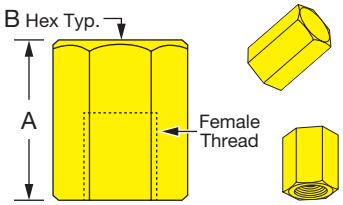


Consult factory for details!

Other 10-32 female fittings available!



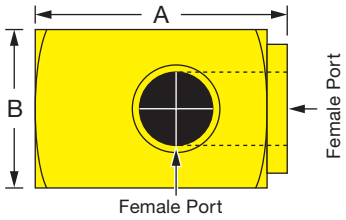
10-32 Female Caps 210

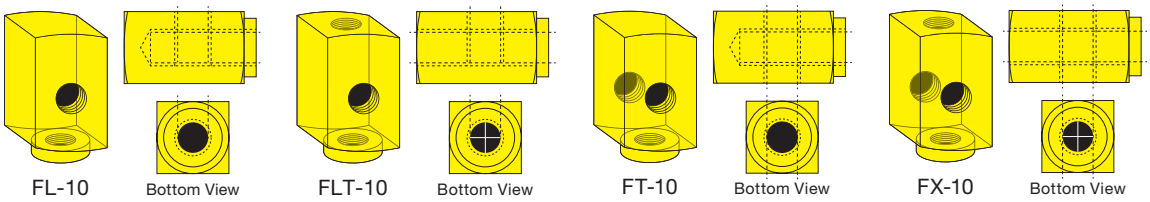


Body Style	Part Numbers					Dimensions (Reference)	
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.
Regular	10-CAP	10-CAP-SS	10-CAP-316SS	10-CAP-AL	10-CAP-NP	11/32	1/4
Short	10-CAP-SH	10-CAP-SH-SS	10-CAP-SH-316SS	10-CAP-SH-AL	10-CAP-SH-NP	9/32	1/4

211 10-32 (F Series) Female to Female Thread Fittings

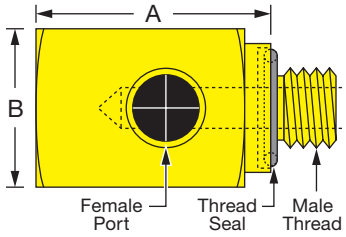
Type of Fitting	Part Numbers					Dimensions (Reference)	
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Ref.
Hex Coupling	1020	1020-SS	1020-316SS	1020-AL	1020-NP	3/8	1/4
Square Elbow	FL-10	FL-10-SS	FL-10-316SS	FL-10-AL	FL-10-NP	5/8	3/8
Square L-Tee	FLT-10	FLT-10-SS	FLT-10-316SS	FLT-10-AL	FLT-10-NP	5/8	3/8
Square Tee	FT-10	FT-10-SS	FT-10-316SS	FT-10-AL	FT-10-NP	5/8	3/8
Square Cross	FX-10	FX-10-SS	FX-10-316SS	FX-10-AL	FX-10-NP	5/8	3/8

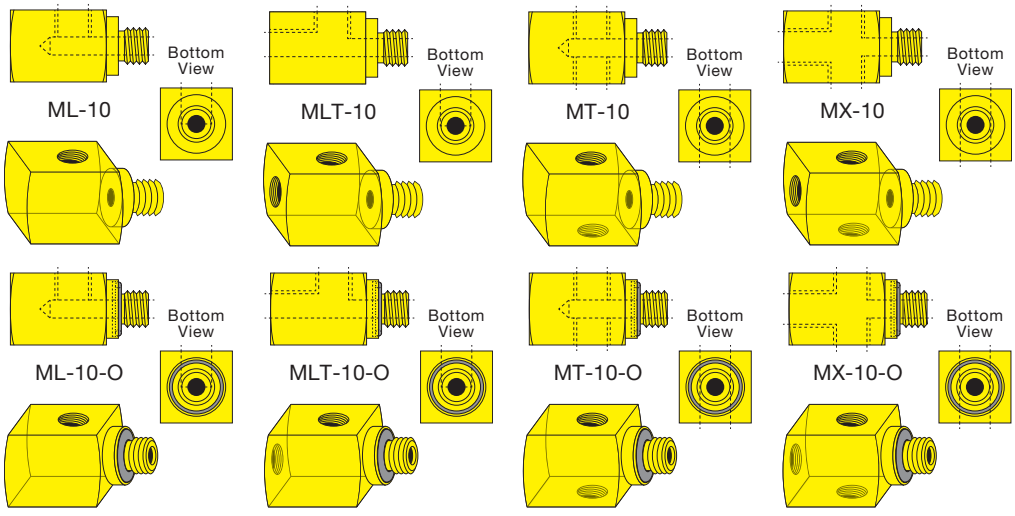




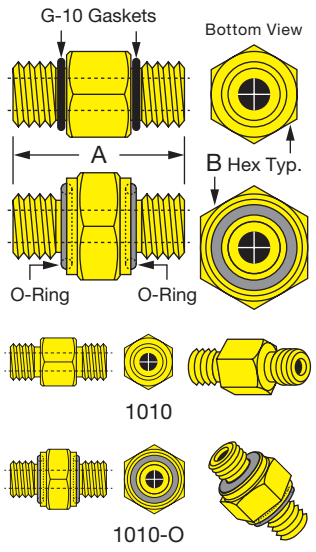
212 10-32 (F Series) Male to Female Thread Fittings & Male to Male Hex Nipples

Type of Fitting and Thread Seal	Part Numbers					Dimensions (Reference)	
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Ref.
Hex Nipple Gaskets Supplied	1010	1010-SS	1010-316SS	1010-AL	1010-NP	1/2	1/4
Hex Nipple O-Rings Installed	1010-O	1010-O-SS	1010-O-316SS	1010-O-AL	1010-O-NP	1/2	5/16
Square Elbow Gasket Supplied	ML-10	ML-10-SS	ML-10-316SS	ML-10-AL	ML-10-NP	9/16	3/8
Square Elbow O-Rings Installed	ML-10-O	ML-10-O-SS	ML-10-O-316SS	ML-10-O-AL	ML-10-O-NP	9/16	3/8
Square Ltee Gasket Supplied	MLT-10	MLT-10-SS	MLT-10-316SS	MLT-10-AL	MLT-10-NP	9/16	3/8
Square Ltee O-Rings Installed	MLT-10-O	MLT-10-O-SS	MLT-10-O-316SS	MLT-10-O-AL	MLT-10-O-NP	9/16	3/8
Square Tee Gasket Supplied	MT-10	MT-10-SS	MT-10-316SS	MT-10-AL	MT-10-NP	9/16	3/8
Square Tee O-Ring Installed	MT-10-O	MT-10-O-SS	MT-10-O-316SS	MT-10-O-AL	MT-10-O-NP	9/16	3/8
Square Cross Gasket Supplied	MX-10	MX-10-SS	MX-10-316SS	MX-10-AL	MX-10-NP	9/16	3/8
Square Cross O-Ring Installed	MX-10-O	MX-10-O-SS	MX-10-O-316SS	MX-10-O-AL	MX-10-O-NP	9/16	3/8





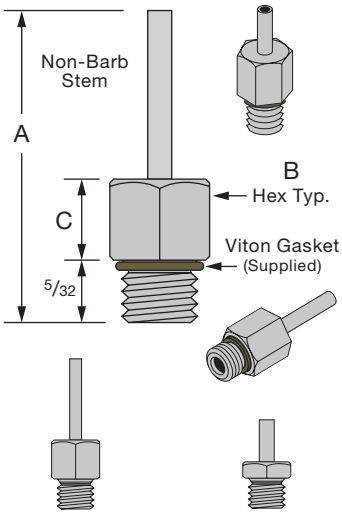
Male to Male Hex Nipples



F Series Male Threaded Fittings are supplied with GA-10 gaskets or have Buna-N O-Rings installed. Other material options are listed on page 65.

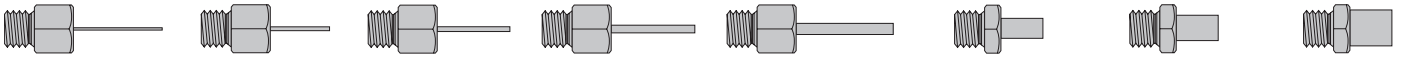
F

10-32 Male Thread Stainless Steel Straight Fittings with Microbore Stem 213



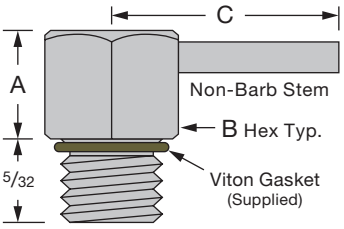
MB10-.062-SS MB10-.078-SS

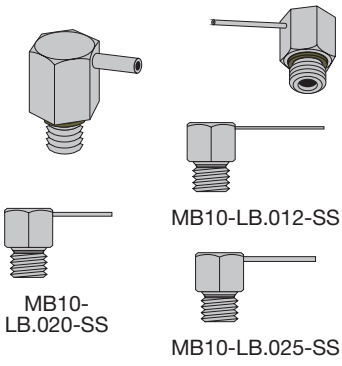
Microbore Stem Tube OD	Part Numbers		Dimensions (Reference)		
	Stainless Steel 303	Stainless Steel 316	A Ref.	B Typ.	C Ref.
.012	MB10-.012-SS	MB10-.012-316SS	.822	1/4	13/64
.020	MB10-.020-SS	MB10-.020-316SS	.668	1/4	13/64
.025	MB10-.025-SS	MB10-.025-316SS	.738	1/4	13/64
.040	MB10-.040-SS	MB10-.040-316SS	.795	1/4	13/64
.058	MB10-.058-SS	MB10-.058-316SS	.865	1/4	13/64
.062	MB10-.062-SS	MB10-.062-316SS	.782	1/4	13/64
.078	MB10-.078-SS	MB10-.078-316SS	.460	1/4	.085
.104	MB10-.104-SS	MB10-.104-316SS	Consult Factory		
.132	MB10-.132-SS	MB10-.132-316SS	Consult Factory		
.187	MB10-.187-SS	MB10-.187-316SS	Consult Factory		



MB10-.012-SS MB10-.020-SS MB10-.025-SS MB10-.040-SS MB10-.058-SS MB10-.104-SS MB10-.132-SS MB10-.187-SS

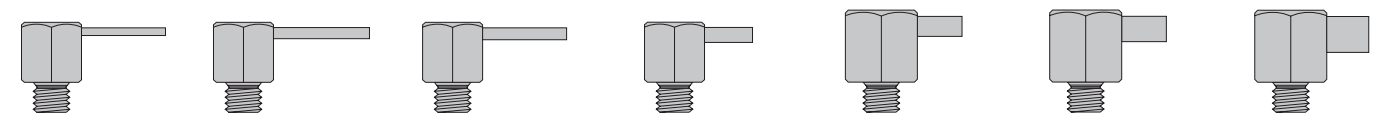
10-32 Male Thread Stainless Steel Elbow Fittings with Microbore Stem 214





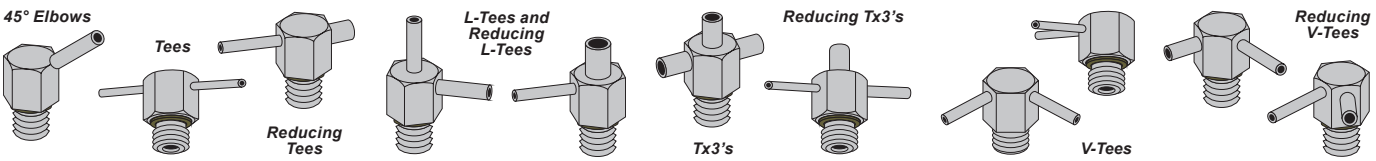
MB10-LB.012-SS MB10-LB.020-SS MB10-LB.025-SS

Microbore Stem Tube OD	Part Numbers		Dimensions (Reference)		
	Stainless Steel 303	Stainless Steel 316	A Ref.	B Typ.	C Ref.
.012	MB10-LB.012-SS	MB10-LB.012-316SS	15/64	1/4	Consult Factory
.020	MB10-LB.020-SS	MB10-LB.020-316SS	15/64	1/4	
.025	MB10-LB.025-SS	MB10-LB.025-316SS	15/64	1/4	
.040	MB10-LB.040-SS	MB10-LB.040-316SS	5/16	5/16	
.058	MB10-LB.058-SS	MB10-LB.058-316SS	5/16	5/16	
.062	MB10-LB.062-SS	MB10-LB.062-316SS	5/16	5/16	
.078	MB10-LB.078-SS	MB10-LB.078-316SS	5/16	5/16	
.104	MB10-LB.104-SS	MB10-LB.104-316SS	Consult Factory		
.132	MB10-LB.132-SS	MB10-LB.132-316SS	Consult Factory		
.187	MB10-LB.187-SS	MB10-LB.187-316SS	Consult Factory		



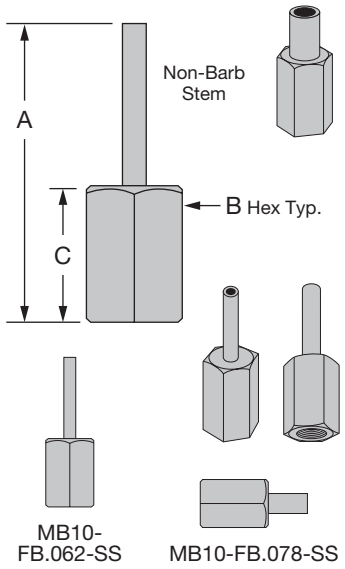
MB10-LB.040-SS MB10-LB.058-SS MB10-LB.062-SS MB10-LB.078-SS MB10-LB.104-SS MB10-LB.132-SS MB10-LB.187-SS

Many options available for Male Threaded Fittings with Microbore Stems! Consult factory for details!



215 10-32 Female Thread Stainless Steel Straight Fittings with Microbore Stem

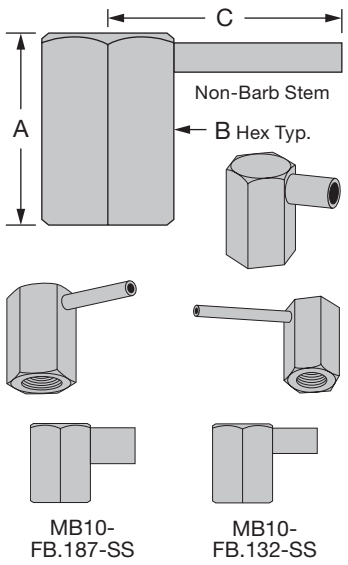
Microbore Stem Tube OD	Part Numbers		Dimensions (Reference)		
	Stainless Steel 303	Stainless Steel 316	A Ref.	B Typ.	C Ref.
.012	MB10-FB.012-SS	MB10-FB.012-316SS	.842	¼	.354
.020	MB10-FB.020-SS	MB10-FB.020-316SS	.733	¼	.354
.025	MB10-FB.025-SS	MB10-FB.025-316SS	.767	¼	.354
.040	MB10-FB.040-SS	MB10-FB.040-316SS	.794	¼	.354
.058	MB10-FB.058-SS	MB10-FB.058-316SS	.756	¼	.354
.062	MB10-FB.062-SS	MB10-FB.062-316SS	.779	¼	.354
.078	MB10-FB.078-SS	MB10-FB.078-316SS	.564	¼	.354
.104	MB10-FB.104-SS	MB10-FB.104-316SS	Consult Factory		
.132	MB10-FB.132-SS	MB10-FB.132-316SS	Consult Factory		
.187	MB10-FB.187-SS	MB10-FB.187-316SS	Consult Factory		

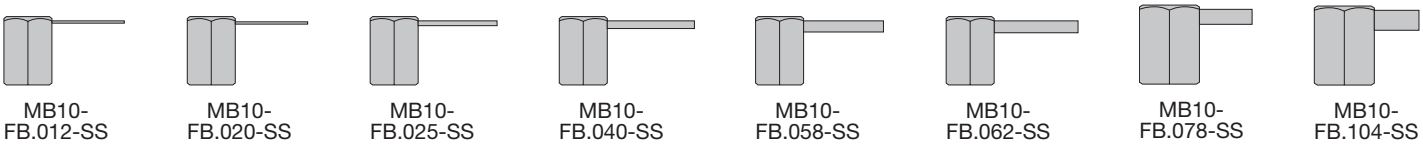




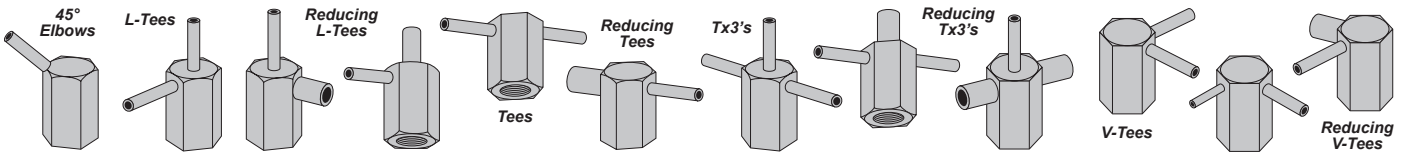
216 10-32 Female Thread Stainless Steel Elbow Fittings with Microbore Stem

Microbore Stem Tube OD	Part Numbers		Dimensions (Reference)		
	Stainless Steel 303	Stainless Steel 316	A Ref.	B Typ.	C Ref.
.012	MB10-FLB.012-SS	MB10-FLB.012-316SS	.354	¼	Consult Factory
.020	MB10-FLB.020-SS	MB10-FLB.020-316SS	.354	¼	
.025	MB10-FLB.025-SS	MB10-FLB.025-316SS	.354	¼	
.040	MB10-FLB.040-SS	MB10-FLB.040-316SS	.354	¼	
.058	MB10-FLB.058-SS	MB10-FLB.058-316SS	.354	¼	
.062	MB10-FLB.062-SS	MB10-FLB.062-316SS	.354	¼	
.078	MB10-FLB.078-SS	MB10-FLB.078-316SS	.354	¼	
.104	MB10-FLB.104-SS	MB10-FLB.104-316SS	Consult Factory		
.132	MB10-FLB.132-SS	MB10-FLB.132-316SS	Consult Factory		
.187	MB10-FLB.187-SS	MB10-FLB.187-316SS	Consult Factory		



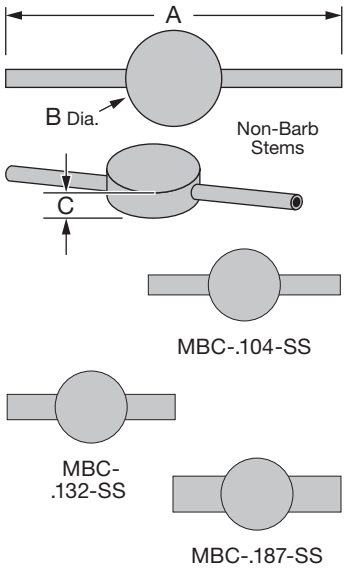


Many options available for Female Threaded Fittings with Microbore Stems! Consult factory for details!

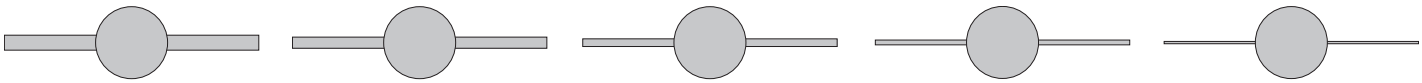


F

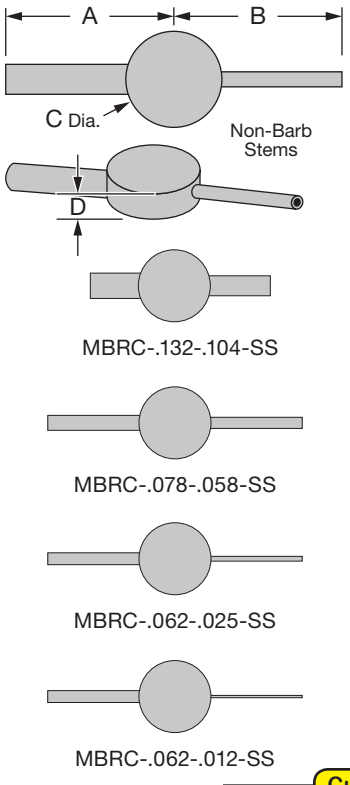
Stainless Steel Straight Tubing Connector with Microbore Stems 217



Microbore Stem Tube OD	Part Numbers		Dimensions (Reference)		
	Stainless Steel 303	Stainless Steel 316	A Ref.	B Dia.	C Ref.
.012	MBC-.012-SS	MBC-.012-316SS	Consult Factory	Consult Factory	Consult Factory
.020	MBC-.020-SS	MBC-.020-316SS			
.025	MBC-.025-SS	MBC-.025-316SS			
.040	MBC-.040-SS	MBC-.040-316SS			
.058	MBC-.058-SS	MBC-.058-316SS			
.062	MBC-.062-SS	MBC-.062-316SS			
.078	MBC-.078-SS	MBC-.078-316SS			
.104	MBC-.104-SS	MBC-.104-316SS			
.132	MBC-.132-SS	MBC-.132-316SS			
.187	MBC-.187-SS	MBC-.187-316SS			



Reducing Stainless Steel Straight Tubing Connector with Microbore Stems 218



Larger Microbore Stem Tube OD	Dimensions (Reference)			
	A Ref.	B Ref.	C Dia.	D Ref.
.020	Consult Factory		Consult Factory	
.025	Consult Factory		Consult Factory	
.040	Consult Factory		Consult Factory	
.058	Consult Factory		Consult Factory	
.062	Consult Factory		Consult Factory	
.078	Consult Factory		Consult Factory	
.104	Consult Factory		Consult Factory	
.132	Consult Factory		Consult Factory	
.187	Consult Factory		Consult Factory	

Smaller Microbore Stem Tube OD	Dimensions (Reference)			
	A Ref.	B Ref.	C Dia.	D Ref.
.012	Consult Factory		Consult Factory	
.020	Consult Factory		Consult Factory	
.025	Consult Factory		Consult Factory	
.040	Consult Factory		Consult Factory	
.058	Consult Factory		Consult Factory	
.062	Consult Factory		Consult Factory	
.078	Consult Factory		Consult Factory	
.104	Consult Factory		Consult Factory	
.132	Consult Factory		Consult Factory	

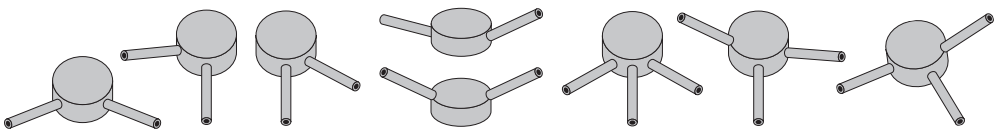
Part Numbers for Reducing Straight Connectors with Microbore Stems:

Fitting Series → **MBRC** - **.###** (Larger Stem OD) - **.###** (Smaller Stem OD) - **SS** ← Material Code

Supplied as 303 Stainless Steel. To order 316 Stainless Steel, change the material code to "316SS"!

Microbore Stems can be placed in a wide variety of locations and at various angles!

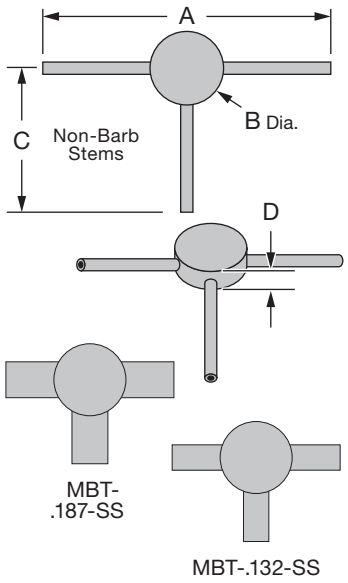
Custom Fittingswith Microbore Stems available! Consult factory for details!

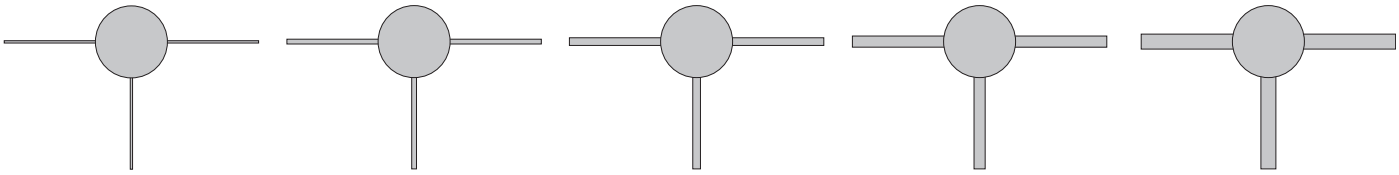


Lead times and minimum quantities apply!

219 Stainless Steel Three-Way Tubing Connector with Microbore Stems

Microbore Stem Tube OD	Part Numbers		Dimensions (Reference)			
	Stainless Steel 303	Stainless Steel 316	A Ref.	B Dia.	C Ref.	D Ref.
.012	MBT-.012-SS	MBT-.012-316SS	1.325	3/8	.663	.192
.020	MBT-.020-SS	MBT-.020-316SS	1.325	3/8	.663	.192
.025	MBT-.025-SS	MBT-.025-316SS	1.325	3/8	.663	.192
.040	MBT-.040-SS	MBT-.040-316SS	1.325	3/8	.663	.192
.058	MBT-.058-SS	MBT-.058-316SS	1.325	3/8	.663	.192
.062	MBT-.062-SS	MBT-.062-316SS	1.325	3/8	.663	.192
.078	MBT-.078-SS	MBT-.078-316SS	1.325	3/8	.663	.192
.104	MBT-.104-SS	MBT-.104-316SS	Consult Factory		Consult Factory	
.132	MBT-.132-SS	MBT-.132-316SS	Consult Factory		Consult Factory	
.187	MBT-.187-SS	MBT-.187-316SS	Consult Factory		Consult Factory	



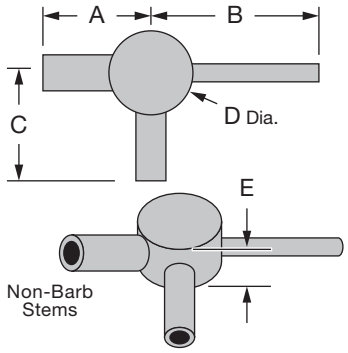


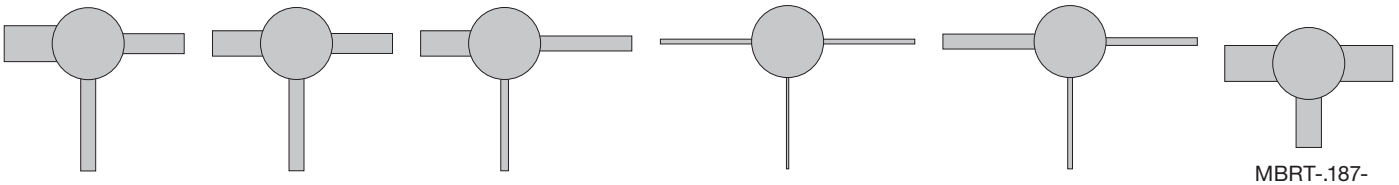
MBT-.012-SS | MBT-.025-SS | MBT-.040-SS | MBT-.058-SS | MBT-.078-SS

220 Reducing Stainless Steel Three-Way Tubing Connector with Microbore Stems

Microbore Stem Tube OD	Dimensions (Reference)				
	A Ref.	B Ref.	C Ref.	D Dia.	E Ref.
.012	Consult Factory	Consult Factory			
.020	Consult Factory	Consult Factory			
.025	Consult Factory	Consult Factory			
.040	Consult Factory	Consult Factory			
.058	Consult Factory	Consult Factory			

Microbore Stem Tube OD	Dimensions (Reference)				
	A Ref.	B Ref.	C Ref.	D Dia.	E Ref.
.062	Consult Factory	Consult Factory			
.078	Consult Factory	Consult Factory			
.104	Consult Factory	Consult Factory			
.132	Consult Factory	Consult Factory			
.187	Consult Factory	Consult Factory			

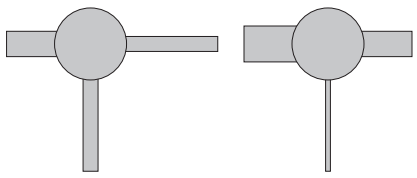




MBRT-.187-.104-.078-SS | MBRT-.132-.104-.078-SS | MBRT-.132-.078-.040-SS | MBRT-.025-.025-.012-SS | MBRT-.078-.040-.025-SS | MBRT-.187-.187-.132-SS

Part Numbers for Reducing 3-Way Connectors with Microbore Stems:

Fitting Series: **MBRT** - 9 O'clock Stem OD: **.###** - 12 O'clock Stem OD: **.###** - 3 O'clock Stem OD: **.###** - Material Code: **SS**



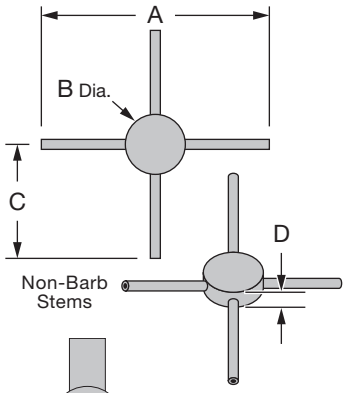
MBRT-.132-.078-.078-SS | MBRT-.187-.132-.025-SS

Supplied as 303 Stainless Steel. To order 316 Stainless Steel, change the material code to "316SS"!

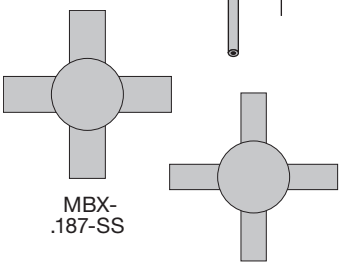
Note: *Images are for visual representation only. They are not intended for use for dimensional measurements.*

Stainless Steel Four-Way Tubing Connector with Microbore Stems 221

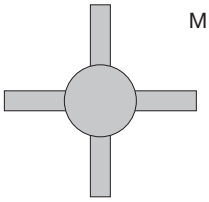
F

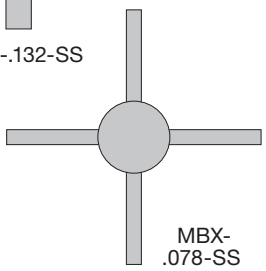


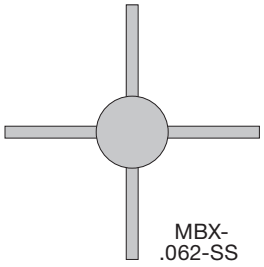
Microbore Stem Tube OD	Part Numbers		Dimensions (Reference)			
	Stainless Steel 303	Stainless Steel 316	A Ref.	B Dia.	C Ref.	D Ref.
.012	MBX-.012-SS	MBX-.012-316SS	1.325	3/8	.663	.192
.020	MBX-.020-SS	MBX-.020-316SS	1.325	3/8	.663	.192
.025	MBX-.025-SS	MBX-.025-316SS	1.325	3/8	.663	.192
.040	MBX-.040-SS	MBX-.040-316SS	1.325	3/8	.663	.192
.058	MBX-.058-SS	MBX-.058-316SS	1.325	3/8	.663	.192
.062	MBX-.062-SS	MBX-.062-316SS	1.325	3/8	.663	.192
.078	MBX-.078-SS	MBX-.078-316SS	1.325	3/8	.663	.192
.104	MBX-.104-SS	MBX-.104-316SS	Consult Factory		Consult Factory	
.132	MBX-.132-SS	MBX-.132-316SS	Consult Factory		Consult Factory	
.187	MBX-.187-SS	MBX-.187-316SS	Consult Factory		Consult Factory	

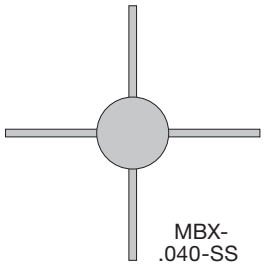

MBX-.187-SS

MBX-.132-SS


MBX-.104-SS


MBX-.078-SS


MBX-.062-SS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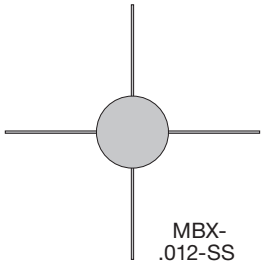
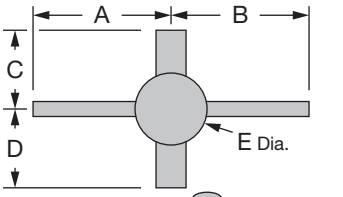
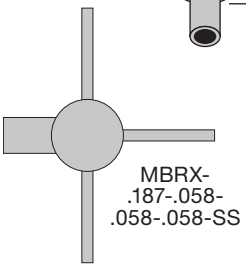

MBX-.012-SS

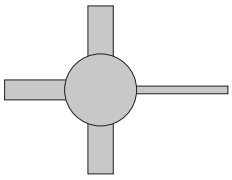
Reducing Stainless Steel Four-Way Tubing Connector with Microbore Stems 222

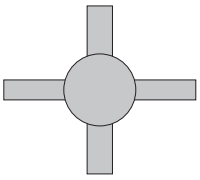


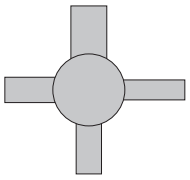
Microbore Stem Tube OD	Dimensions (Reference)				
	A Ref.	B Ref.	C Ref.	D Dia.	E Ref.
.012	Consult Factory		Consult Factory		
.020	Consult Factory		Consult Factory		
.025	Consult Factory		Consult Factory		
.040	Consult Factory		Consult Factory		
.058	Consult Factory		Consult Factory		

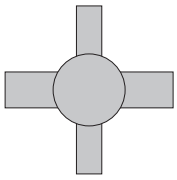
Microbore Stem Tube OD	Dimensions (Reference)				
	A Ref.	B Ref.	C Ref.	D Dia.	E Ref.
.062	Consult Factory		Consult Factory		
.078	Consult Factory		Consult Factory		
.104	Consult Factory		Consult Factory		
.132	Consult Factory		Consult Factory		
.187	Consult Factory		Consult Factory		


MBRX-.187-.058-.058-.058-SS


MBRX-.104-.132-.040-.132-SS


MBRX-.104-.132-.104-.132-SS


MBRX-.132-.187-.104-.132-SS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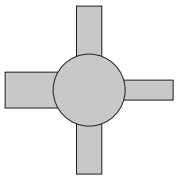
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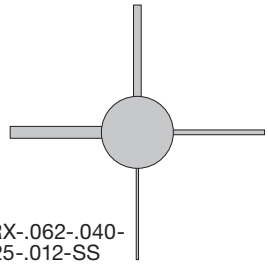

MBRX-.062-.040-.025-.012-SS

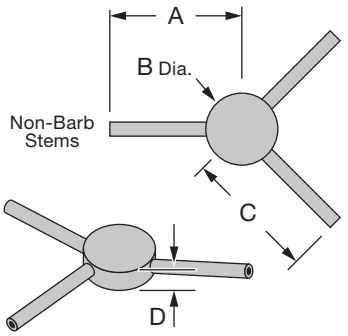
Part Numbers for Reducing 4-Way Connectors with Microbore Stems:

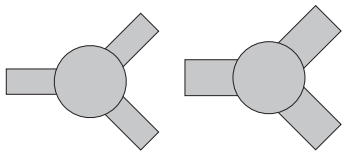
Fitting Series → **MBRX** - **.###** (9 O'clock Stem OD) - **.###** (12 O'clock Stem OD) - **.###** (3 O'clock Stem OD) - **.###** (6 O'clock Stem OD) - **SS** (Material Code)

Supplied as 303 Stainless Steel. To order 316 Stainless Steel, change the material code to "316SS"!

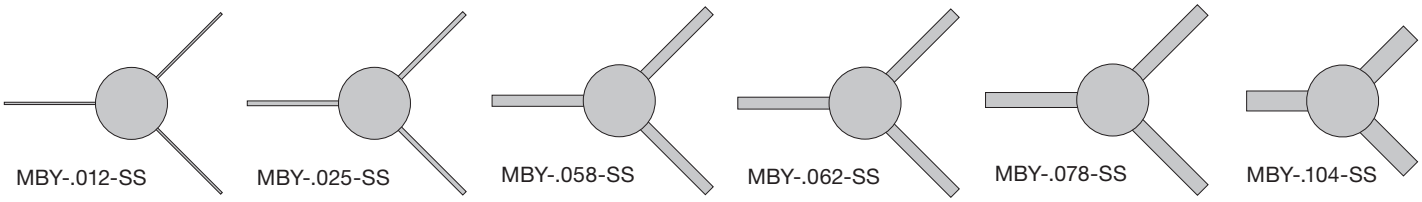
223 Stainless Steel Y Tubing Connector with Microbore Stems

Microbore Stem Tube OD	Part Numbers		Dimensions (Reference)			
	Stainless Steel 303	Stainless Steel 316	A Ref.	B Dia.	C Ref.	D Ref.
.012	MBY-.012-SS	MBY-.012-316SS	1.325	3/8	.663	.192
.020	MBY-.020-SS	MBY-.020-316SS	1.325	3/8	.663	.192
.025	MBY-.025-SS	MBY-.025-316SS	1.325	3/8	.663	.192
.040	MBY-.040-SS	MBY-.040-316SS	1.325	3/8	.663	.192
.058	MBY-.058-SS	MBY-.058-316SS	1.325	3/8	.663	.192
.062	MBY-.062-SS	MBY-.062-316SS	1.325	3/8	.663	.192
.078	MBY-.078-SS	MBY-.078-316SS	1.325	3/8	.663	.192
.104	MBY-.104-SS	MBY-.104-316SS	*Consult Factory*		*Consult Factory*	
.132	MBY-.132-SS	MBY-.132-316SS	*Consult Factory*		*Consult Factory*	
.187	MBY-.187-SS	MBY-.187-316SS	*Consult Factory*		*Consult Factory*	





MBY-.132-SS MBY-.187-SS

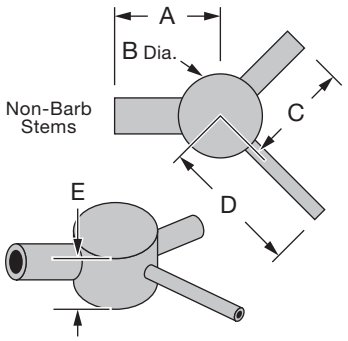


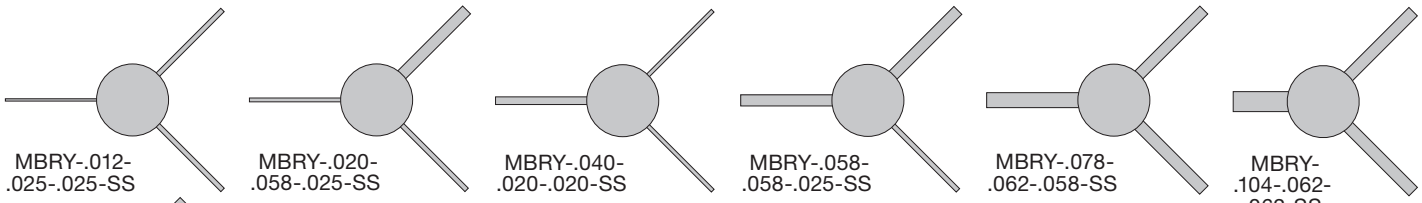
MBY-.012-SS MBY-.025-SS MBY-.058-SS MBY-.062-SS MBY-.078-SS MBY-.104-SS

224 Reducing 303 Stainless Steel Y Tubing Connector with Microbore Stems

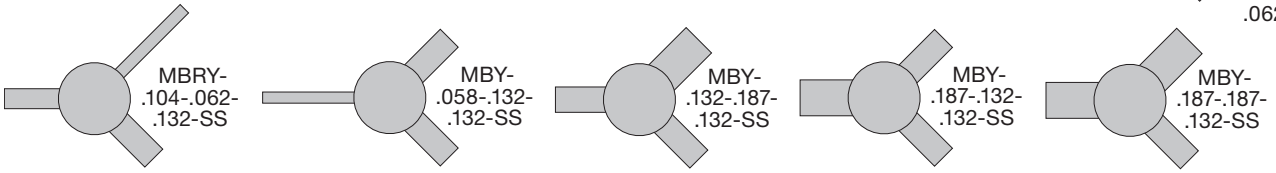
Microbore Stem Tube OD	Dimensions (Reference)				
	A Ref.	B Ref.	C Ref.	D Dia.	E Ref.
.012	*Consult Factory*		*Consult Factory*		
.020	*Consult Factory*		*Consult Factory*		
.025	*Consult Factory*		*Consult Factory*		
.040	*Consult Factory*		*Consult Factory*		
.058	*Consult Factory*		*Consult Factory*		

Microbore Stem Tube OD	Dimensions (Reference)				
	A Ref.	B Ref.	C Ref.	D Dia.	E Ref.
.062	*Consult Factory*		*Consult Factory*		
.078	*Consult Factory*		*Consult Factory*		
.104	*Consult Factory*		*Consult Factory*		
.132	*Consult Factory*		*Consult Factory*		
.187	*Consult Factory*		*Consult Factory*		





MBRY-.012-.025-.025-SS MBRY-.020-.058-.025-SS MBRY-.040-.020-.020-SS MBRY-.058-.058-.025-SS MBRY-.078-.062-.058-SS MBRY-.104-.062-.062-SS



MBRY-.104-.062-.132-SS MBY-.058-.132-.132-SS MBY-.132-.187-.132-SS MBY-.187-.132-.132-SS MBY-.187-.187-.132-SS

Note: *Images are for visual representation only; not intended for dimensional measurements.*

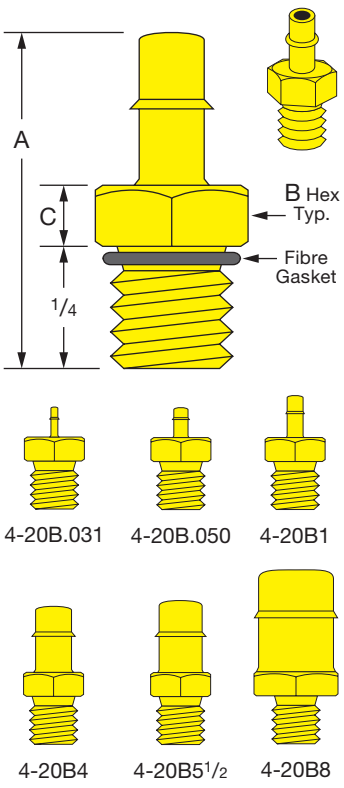
Part Numbers for Reducing 303 Stainless Steel Y Connectors with Microbore Stems:

Fitting Series → **MBRY** - **.###** - **.###** - **.###** - **SS** ← Material Code

.###: 9 O'clock Stem OD | 2 O'clock Stem OD | 5 O'clock Stem OD

To order 316 Stainless Steel, change the material code to: -316SS

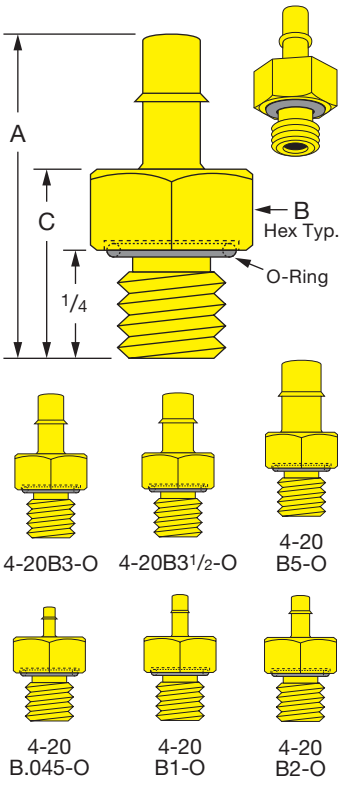
1/4-20 (4-20) Thread to Tube with Fibre Gasket Supplied 225



Note: *Images are for visual representation only; not intended for dimensional measurements.*

Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	4-20B.031	4-20B.031-SS	4-20B.031-316SS	**N/A**	4-20B.031-NP	17/32	5/16	1/8
.040 / 1mm	4-20B.040	4-20B.040-SS	4-20B.040-316SS	**N/A**	4-20B.040-NP	17/32	5/16	1/8
3/64	4-20B.045	4-20B.045-SS	4-20B.045-316SS	**N/A**	4-20B.045-NP	17/32	5/16	1/8
.050	4-20B.050	4-20B.050-SS	4-20B.050-316SS	**N/A**	4-20B.050-NP	17/32	5/16	1/8
1/16	4-20B1	4-20B1-SS	4-20B1-316SS	4-20B1-AL	4-20B1-NP	19/32	5/16	1/8
5/64 / 2mm	4-20B2	4-20B2-SS	4-20B2-316SS	4-20B2-AL	4-20B2-NP	19/32	5/16	1/8
3/32	4-20B2 1/2	4-20B2 1/2-SS	4-20B2 1/2-316SS	4-20B2 1/2-AL	4-20B2 1/2-NP	19/32	5/16	1/8
1/8	4-20B3	4-20B3-SS	4-20B3-316SS	4-20B3-AL	4-20B3-NP	11/16	5/16	1/8
5/32 / 4mm	4-20B3 1/2	4-20B3 1/2-SS	4-20B3 1/2-316SS	4-20B3 1/2-AL	4-20B3 1/2-NP	11/16	5/16	1/8
.170	4-20B4	4-20B4-SS	4-20B4-316SS	4-20B4-AL	4-20B4-NP	11/16	5/16	1/8
3/16	4-20B5	4-20B5-SS	4-20B5-316SS	4-20B5-AL	4-20B5-NP	3/4	5/16	1/8
7/32	4-20B5 1/2	4-20B5 1/2-SS	4-20B5 1/2-316SS	4-20B5 1/2-AL	4-20B5 1/2-NP	3/4	5/16	1/8
6mm	4-20B5 3/4	4-20B5 3/4-SS	4-20B5 3/4-316SS	4-20B5 3/4-AL	4-20B5 3/4-NP	7/8	5/16	1/8
1/4	4-20B6	4-20B6-SS	4-20B6-316SS	4-20B6-AL	4-20B6-NP	7/8	5/16	1/8
5/16 / 8mm	4-20B7	4-20B7-SS	4-20B7-316SS	4-20B7-AL	4-20B7-NP	1.00	7/16	1/8
3/8	4-20B8	4-20B8-SS	4-20B8-316SS	4-20B8-AL	4-20B8-NP	29/32	7/16	1/8

1/4-20 (4-20) Thread to Tube with O-Ring Installed 226

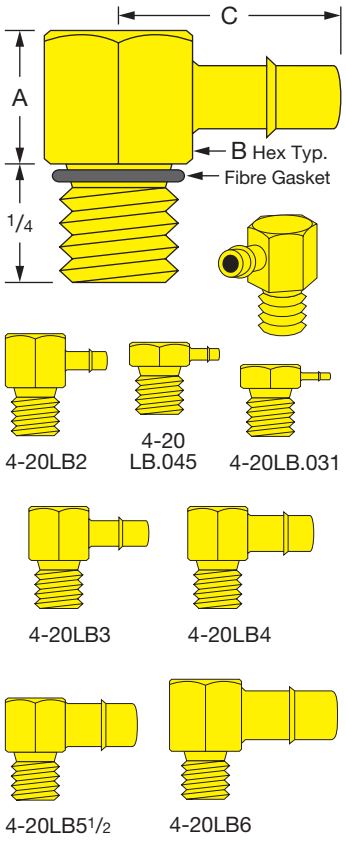


Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	4-20B.031-O	4-20B.031-O-SS	4-20B.031-O-316SS	**N/A**	4-20B.031-O-NP	19/32	3/8	7/16
.040 / 1mm	4-20B.040-O	4-20B.040-O-SS	4-20B.040-O-316SS	**N/A**	4-20B.040-O-NP	19/32	3/8	7/16
3/64	4-20B.045-O	4-20B.045-O-SS	4-20B.045-O-316SS	**N/A**	4-20B.045-O-NP	19/32	3/8	7/16
.050	4-20B.050-O	4-20B.050-O-SS	4-20B.050-O-316SS	**N/A**	4-20B.050-O-NP	19/32	3/8	7/16
1/16	4-20B1-O	4-20B1-O-SS	4-20B1-O-316SS	4-20B1-O-AL	4-20B1-O-NP	21/32	3/8	7/16
5/64 / 2mm	4-20B2-O	4-20B2-O-SS	4-20B2-O-316SS	4-20B2-O-AL	4-20B2-O-NP	21/32	3/8	7/16
3/32	4-20B2 1/2-O	4-20B2 1/2-O-SS	4-20B2 1/2-O-316SS	4-20B2 1/2-O-AL	4-20B2 1/2-O-NP	21/32	3/8	7/16
1/8	4-20B3-O	4-20B3-O-SS	4-20B3-O-316SS	4-20B3-O-AL	4-20B3-O-NP	3/4	3/8	7/16
5/32 / 4mm	4-20B3 1/2-O	4-20B3 1/2-O-SS	4-20B3 1/2-O-316SS	4-20B3 1/2-O-AL	4-20B3 1/2-O-NP	3/4	3/8	7/16
.170	4-20B4-O	4-20B4-O-SS	4-20B4-O-316SS	4-20B4-O-AL	4-20B4-O-NP	3/4	3/8	7/16
3/16	4-20B5-O	4-20B5-O-SS	4-20B5-O-316SS	4-20B5-O-AL	4-20B5-O-NP	7/8	3/8	7/16
7/32	4-20B5 1/2-O	4-20B5 1/2-O-SS	4-20B5 1/2-O-316SS	4-20B5 1/2-O-AL	4-20B5 1/2-O-NP	7/8	3/8	7/16
6mm	4-20B5 3/4-O	4-20B5 3/4-O-SS	4-20B5 3/4-O-316SS	4-20B5 3/4-O-AL	4-20B5 3/4-O-NP	15/16	3/8	7/16
1/4	4-20B6-O	4-20B6-O-SS	4-20B6-O-316SS	4-20B6-O-AL	4-20B6-O-NP	15/16	3/8	7/16
5/16 / 8mm	4-20B7-O	4-20B7-O-SS	4-20B7-O-316SS	4-20B7-O-AL	4-20B7-O-NP	1 1/16	1/2	7/16
3/8	4-20B8-O	4-20B8-O-SS	4-20B8-O-316SS	4-20B8-O-AL	4-20B8-O-NP	29/32	1/2	7/16

O-Ring options listed on page 65!

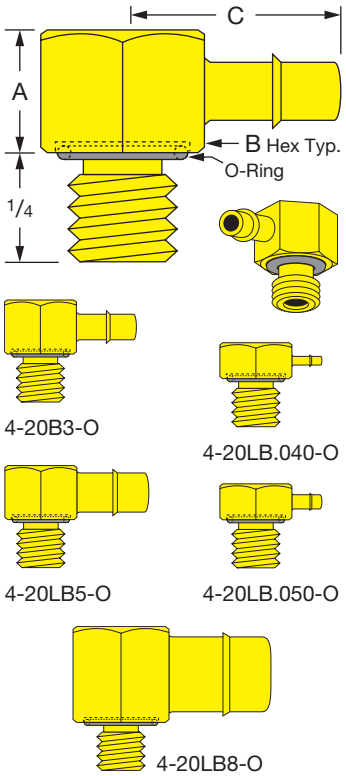
227 1/4-20 (4-20) Thread to Tube Elbows with Fibre Gasket Supplied

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	4-20LB.031	4-20LB.031-SS	4-20LB.031-316SS	4-20LB.031-NP	1/8	5/16	5/16
.040 / 1mm	4-20LB.040	4-20LB.040-SS	4-20LB.040-316SS	4-20LB.040-NP	1/8	5/16	5/16
3/64	4-20LB.045	4-20LB.045-SS	4-20LB.045-316SS	4-20LB.045-NP	1/8	5/16	5/16
.050	4-20LB.050	4-20LB.050-SS	4-20LB.050-316SS	4-20LB.050-NP	1/8	5/16	5/16
1/16	4-20LB1	4-20LB1-SS	4-20LB1-316SS	4-20LB1-NP	9/32	5/16	3/8
5/64 / 2mm	4-20LB2	4-20LB2-SS	4-20LB2-316SS	4-20LB2-NP	9/32	5/16	3/8
3/32	4-20LB2 1/2	4-20LB2 1/2-SS	4-20LB2 1/2-316SS	4-20LB2 1/2-NP	9/32	5/16	3/8
1/8	4-20LB3	4-20LB3-SS	4-20LB3-316SS	4-20LB3-NP	9/32	5/16	15/32
5/32 / 4mm	4-20LB3 1/2	4-20LB3 1/2-SS	4-20LB3 1/2-316SS	4-20LB3 1/2-NP	9/32	5/16	15/32
.170	4-20LB4	4-20LB4-SS	4-20LB4-316SS	4-20LB4-NP	9/32	5/16	1/2
3/16	4-20LB5	4-20LB5-SS	4-20LB5-316SS	4-20LB5-NP	9/32	5/16	17/32
7/32	4-20LB5 1/2	4-20LB5 1/2-SS	4-20LB5 1/2-316SS	4-20LB5 1/2-NP	9/32	5/16	17/32
6mm	4-20LB5 3/4	4-20LB5 3/4-SS	4-20LB5 3/4-316SS	4-20LB5 3/4-NP	3/8	3/8	11/16
1/4	4-20LB6	4-20LB6-SS	4-20LB6-316SS	4-20LB6-NP	3/8	3/8	11/16
5/16 / 8mm	4-20LB7	4-20LB7-SS	4-20LB7-316SS	4-20LB7-NP	1/2	5/8	15/16
3/8	4-20LB8	4-20LB8-SS	4-20LB8-316SS	4-20LB8-NP	1/2	5/8	27/32



228 1/4-20 (4-20) Thread to Tube Elbows with O-Ring Installed

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	4-20LB.031-O	4-20LB.031-O-SS	4-20LB.031-O-316SS	4-20LB.031-O-NP	9/32	3/8	11/32
.040 / 1mm	4-20LB.040-O	4-20LB.040-O-SS	4-20LB.040-O-316SS	4-20LB.040-O-NP	9/32	3/8	11/32
3/64	4-20LB.045-O	4-20LB.045-O-SS	4-20LB.045-O-316SS	4-20LB.045-O-NP	9/32	3/8	11/32
.050	4-20LB.050-O	4-20LB.050-O-SS	4-20LB.050-O-316SS	4-20LB.050-O-NP	9/32	3/8	11/32
1/16	4-20LB1-O	4-20LB1-O-SS	4-20LB1-O-316SS	4-20LB1-O-NP	9/32	3/8	13/32
5/64 / 2mm	4-20LB2-O	4-20LB2-O-SS	4-20LB2-O-316SS	4-20LB2-O-NP	9/32	3/8	13/32
3/32	4-20LB2 1/2-O	4-20LB2 1/2-O-SS	4-20LB2 1/2-O-316SS	4-20LB2 1/2-O-NP	9/32	3/8	13/32
1/8	4-20LB3-O	4-20LB3-O-SS	4-20LB3-O-316SS	4-20LB3-O-NP	9/32	3/8	1/2
5/32 / 4mm	4-20LB3 1/2-O	4-20LB3 1/2-O-SS	4-20LB3 1/2-O-316SS	4-20LB3 1/2-O-NP	9/32	3/8	1/2
.170	4-20LB4-O	4-20LB4-O-SS	4-20LB4-O-316SS	4-20LB4-O-NP	9/32	3/8	17/32
3/16	4-20LB5-O	4-20LB5-O-SS	4-20LB5-O-316SS	4-20LB5-O-NP	9/32	3/8	9/16
7/32	4-20LB5 1/2-O	4-20LB5 1/2-O-SS	4-20LB5 1/2-O-316SS	4-20LB5 1/2-O-NP	9/32	3/8	9/16
6mm	4-20LB5 3/4-O	4-20LB5 3/4-O-SS	4-20LB5 3/4-O-316SS	4-20LB5 3/4-O-NP	3/8	3/8	11/16
1/4	4-20LB6-O	4-20LB6-O-SS	4-20LB6-O-316SS	4-20LB6-O-NP	3/8	3/8	11/16
5/16 / 8mm	4-20LB7-O	4-20LB7-O-SS	4-20LB7-O-316SS	4-20LB7-O-NP	1/2	1/2	1 1/8
3/8	4-20LB8-O	4-20LB8-O-SS	4-20LB8-O-316SS	4-20LB8-O-NP	1/2	1/2	25/32



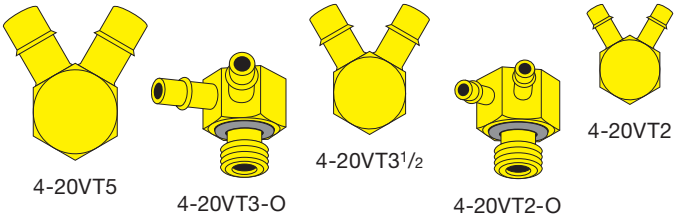
O-Ring options listed on page 65!

1/4-20 (4-20) Thread to Tube Options with Fibre Gaskets Supplied or O-Rings Installed

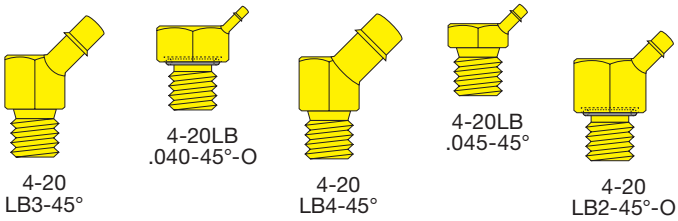
• Sample listing; many options available! •

G

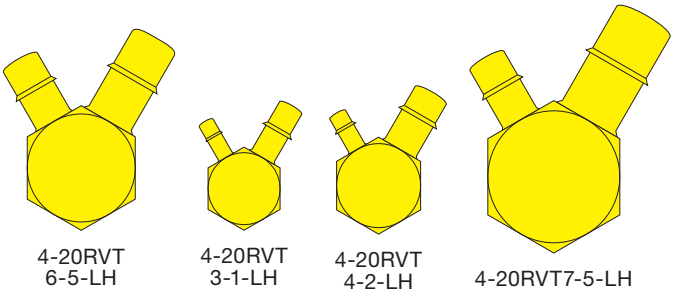
1/4-20 (4-20) V-Tees



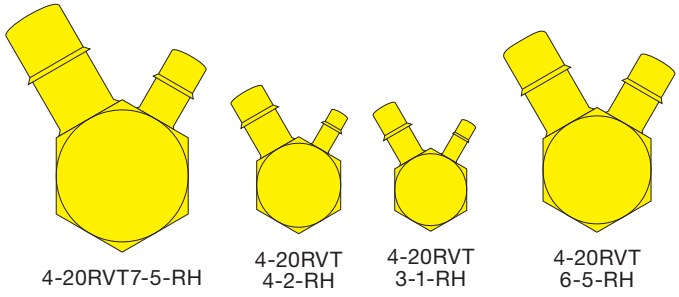
1/4-20 (4-20) 45° Elbows



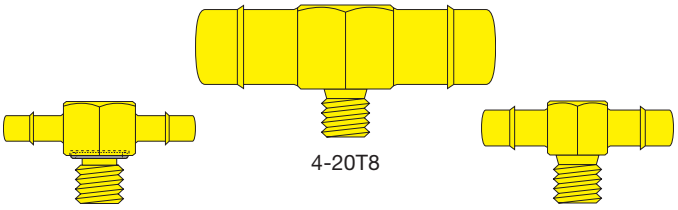
1/4-20 (4-20) Reducing Left-Hand V-Tees



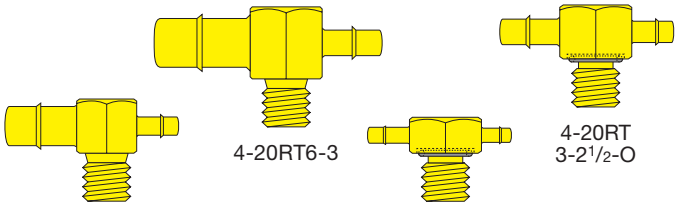
1/4-20 (4-20) Reducing Right-Hand V-Tees



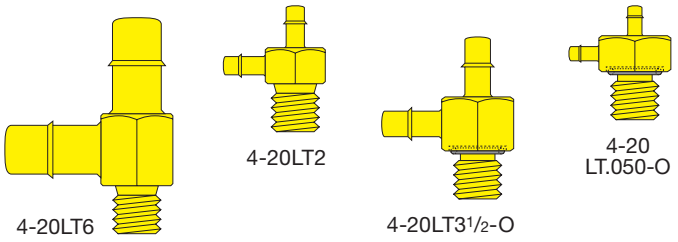
1/4-20 (4-20) Tees



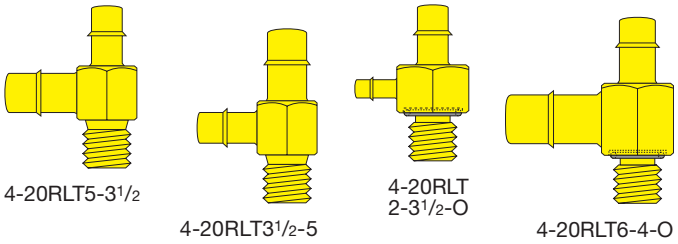
1/4-20 (4-20) Reducing Tees



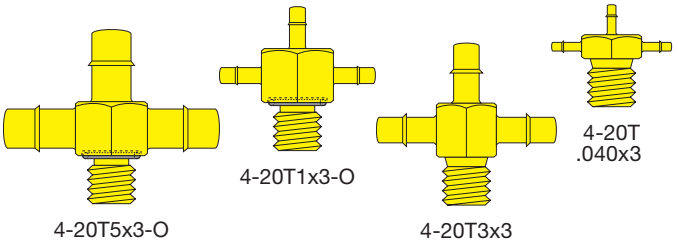
1/4-20 (4-20) L-Tees



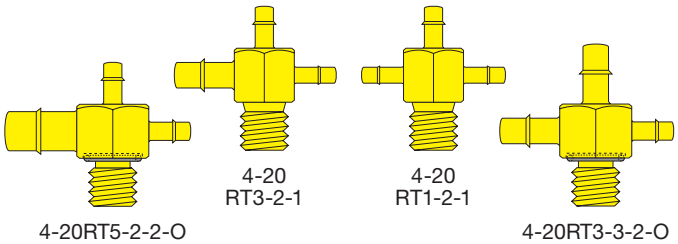
1/4-20 (4-20) Reducing L-Tees



1/4-20 (4-20) Tee x 3



1/4-20 (4-20) Reducing Tee x 3

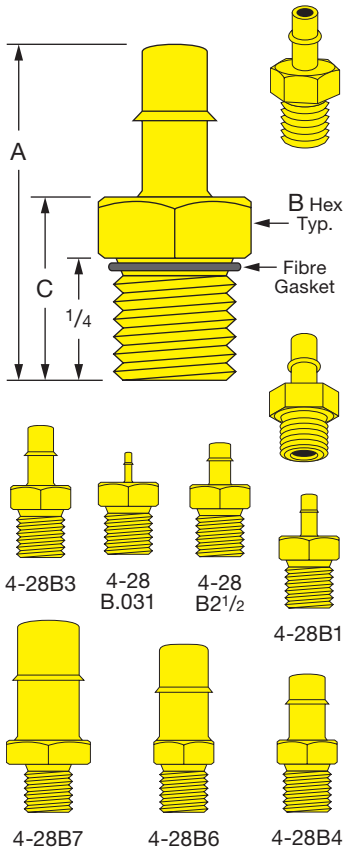


Consult factory for availability & details!

Buna-N O-Rings are standard. Other materail options listed on page 65!

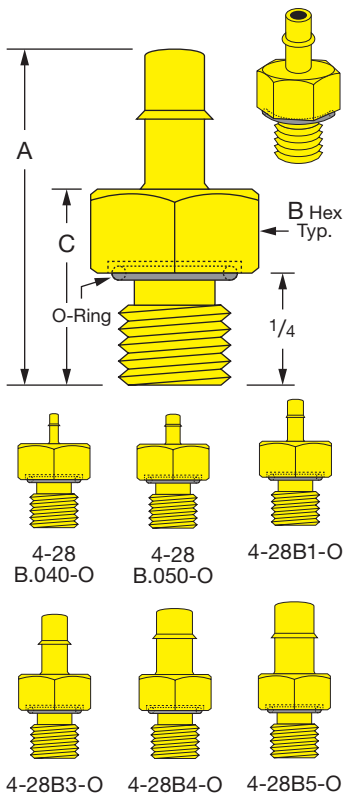
229 — 1/4-28 (4-28) Thread to Tube with Fibre Gasket Supplied

Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	4-28B.031	4-28B.031-SS	4-28B.031-316SS	N/A	4-28B.031-NP	17/32	5/16	3/8
.040 / 1mm	4-28B.040	4-28B.040-SS	4-28B.040-316SS	N/A	4-28B.040-NP	17/32	5/16	3/8
3/64	4-28B.045	4-28B.045-SS	4-28B.045-316SS	N/A	4-28B.045-NP	17/32	5/16	3/8
.050	4-28B.050	4-28B.050-SS	4-28B.050-316SS	N/A	4-28B.050-NP	17/32	5/16	3/8
1/16	4-28B1	4-28B1-SS	4-28B1-316SS	4-28B1-AL	4-28B1-NP	19/32	5/16	3/8
5/64 / 2mm	4-28B2	4-28B2-SS	4-28B2-316SS	4-28B2-AL	4-28B2-NP	19/32	5/16	3/8
3/32	4-28B2 1/2	4-28B2 1/2-SS	4-28B2 1/2-316SS	4-28B2 1/2-AL	4-28B2 1/2-NP	19/32	5/16	3/8
1/8	4-28B3	4-28B3-SS	4-28B3-316SS	4-28B3-AL	4-28B3-NP	11/16	5/16	3/8
5/32 / 4mm	4-28B3 1/2	4-28B3 1/2-SS	4-28B3 1/2-316SS	4-28B3 1/2-AL	4-28B3 1/2-NP	11/16	5/16	3/8
.170	4-28B4	4-28B4-SS	4-28B4-316SS	4-28B4-AL	4-28B4-NP	11/16	5/16	3/8
3/16	4-28B5	4-28B5-SS	4-28B5-316SS	4-28B5-AL	4-28B5-NP	3/4	5/16	3/8
7/32	4-28B5 1/2	4-28B5 1/2-SS	4-28B5 1/2-316SS	4-28B5 1/2-AL	4-28B5 1/2-NP	3/4	5/16	3/8
6mm	4-28B5 3/4	4-28B5 3/4-SS	4-28B5 3/4-316SS	4-28B5 3/4-AL	4-28B5 3/4-NP	7/8	5/16	3/8
1/4	4-28B6	4-28B6-SS	4-28B6-316SS	4-28B6-AL	4-28B6-NP	7/8	5/16	3/8
5/16 / 8mm	4-28B7	4-28B7-SS	4-28B7-316SS	4-28B7-AL	4-28B7-NP	1.00	7/16	3/8
3/8	4-28B8	4-28B8-SS	4-28B8-316SS	4-28B8-AL	4-28B8-NP	29/32	7/16	3/8



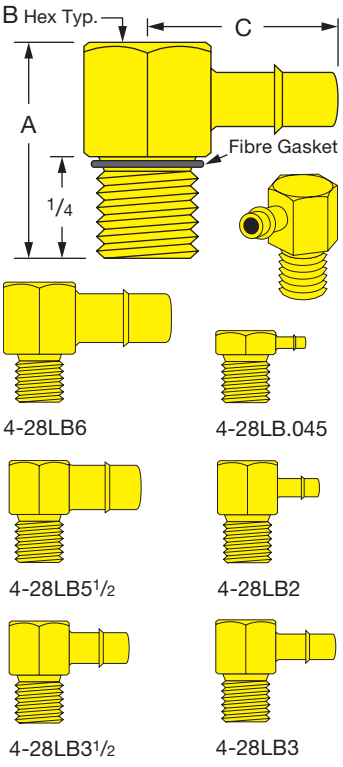
230 — 1/4-28 (4-28) Thread to Tube with O-Ring Seal Installed

Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	4-28B.031-O	4-28B.031-O-SS	4-28B.031-O-316SS	N/A	4-28B.031-O-NP	19/32	3/8	7/16
.040 / 1mm	4-28B.040-O	4-28B.040-O-SS	4-28B.040-O-316SS	N/A	4-28B.040-O-NP	19/32	3/8	7/16
3/64	4-28B.045-O	4-28B.045-O-SS	4-28B.045-O-316SS	N/A	4-28B.045-O-NP	19/32	3/8	7/16
.050	4-28B.050-O	4-28B.050-O-SS	4-28B.050-O-316SS	N/A	4-28B.050-O-NP	19/32	3/8	7/16
1/16	4-28B1-O	4-28B1-O-SS	4-28B1-O-316SS	4-28B1-O-AL	4-28B1-O-NP	21/32	3/8	7/16
5/64 / 2mm	4-28B2-O	4-28B2-O-SS	4-28B2-O-316SS	4-28B2-O-AL	4-28B2-O-NP	21/32	3/8	7/16
3/32	4-28B2 1/2-O	4-28B2 1/2-O-SS	4-28B2 1/2-O-316SS	4-28B2 1/2-O-AL	4-28B2 1/2-O-NP	21/32	3/8	7/16
1/8	4-28B3-O	4-28B3-O-SS	4-28B3-O-316SS	4-28B3-O-AL	4-28B3-O-NP	3/4	3/8	7/16
5/32 / 4mm	4-28B3 1/2-O	4-28B3 1/2-O-SS	4-28B3 1/2-O-316SS	4-28B3 1/2-O-AL	4-28B3 1/2-O-NP	3/4	3/8	7/16
.170	4-28B4-O	4-28B4-O-SS	4-28B4-O-316SS	4-28B4-O-AL	4-28B4-O-NP	3/4	3/8	7/16
3/16	4-28B5-O	4-28B5-O-SS	4-28B5-O-316SS	4-28B5-O-AL	4-28B5-O-NP	7/8	3/8	7/16
7/32	4-28B5 1/2-O	4-28B5 1/2-O-SS	4-28B5 1/2-O-316SS	4-28B5 1/2-O-AL	4-28B5 1/2-O-NP	7/8	3/8	7/16
6mm	4-28B5 3/4-O	4-28B5 3/4-O-SS	4-28B5 3/4-O-316SS	4-28B5 3/4-O-AL	4-28B5 3/4-O-NP	15/16	3/8	7/16
1/4	4-28B6-O	4-28B6-O-SS	4-28B6-O-316SS	4-28B6-O-AL	4-28B6-O-NP	15/16	3/8	7/16
5/16 / 8mm	4-28B7-O	4-28B7-O-SS	4-28B7-O-316SS	4-28B7-O-AL	4-28B7-O-NP	1 1/16	1/2	7/16
3/8	4-28B8-O	4-28B8-O-SS	4-28B8-O-316SS	4-28B8-O-AL	4-28B8-O-NP	29/32	1/2	7/16



O-Ring options listed on page 65!

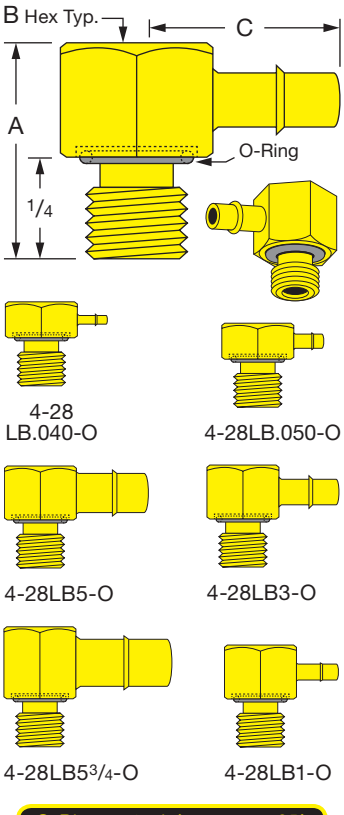
1/4-28 (4-28) Thread to Tube Elbows with Fibre Gasket Supplied 231



Adjustable options available! Consult factory for details!

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	4-28LB.031	4-28LB.031-SS	4-28LB.031-316SS	4-28LB.031-NP	3/8	5/16	5/16
.040 / 1mm	4-28LB.040	4-28LB.040-SS	4-28LB.040-316SS	4-28LB.040-NP	3/8	5/16	5/16
3/64	4-28LB.045	4-28LB.045-SS	4-28LB.045-316SS	4-28LB.045-NP	3/8	5/16	5/16
.050	4-28LB.050	4-28LB.050-SS	4-28LB.050-316SS	4-28LB.050-NP	3/8	5/16	5/16
1/16	4-28LB1	4-28LB1-SS	4-28LB1-316SS	4-28LB1-NP	17/32	5/16	3/8
5/64 / 2mm	4-28LB2	4-28LB2-SS	4-28LB2-316SS	4-28LB2-NP	17/32	5/16	3/8
3/32	4-28LB2 1/2	4-28LB2 1/2-SS	4-28LB2 1/2-316SS	4-28LB2 1/2-NP	17/32	5/16	3/8
1/8	4-28LB3	4-28LB3-SS	4-28LB3-316SS	4-28LB3-NP	17/32	5/16	15/32
5/32 / 4mm	4-28LB3 1/2	4-28LB3 1/2-SS	4-28LB3 1/2-316SS	4-28LB3 1/2-NP	17/32	5/16	15/32
.170	4-28LB4	4-28LB4-SS	4-28LB4-316SS	4-28LB4-NP	17/32	5/16	1/2
3/16	4-28LB5	4-28LB5-SS	4-28LB5-316SS	4-28LB5-NP	17/32	5/16	17/32
7/32	4-28LB5 1/2	4-28LB5 1/2-SS	4-28LB5 1/2-316SS	4-28LB5 1/2-NP	17/32	5/16	17/32
6mm	4-28LB5 3/4	4-28LB5 3/4-SS	4-28LB5 3/4-316SS	4-28LB5 3/4-NP	5/8	3/8	11/16
1/4	4-28LB6	4-28LB6-SS	4-28LB6-316SS	4-28LB6-NP	5/8	3/8	11/16
5/16 / 8mm	4-28LB7	4-28LB7-SS	4-28LB7-316SS	4-28LB7-NP	11/16	7/16	15/16
3/8	4-28LB8	4-28LB8-SS	4-28LB8-316SS	4-28LB8-NP	11/16	7/16	27/32

1/4-28 (4-28) Thread to Tube Elbows with O-Ring Seal Installed 232

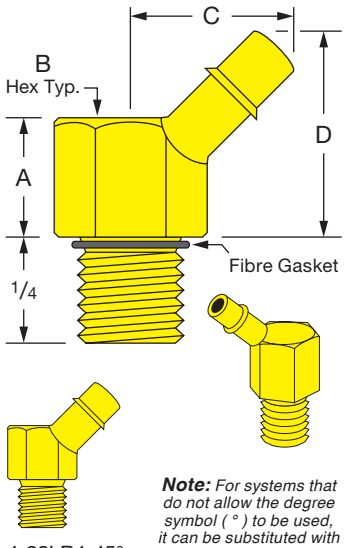


O-Ring materials on page 65!

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	4-28LB.031-O	4-28LB.031-O-SS	4-28LB.031-O-316SS	4-28LB.031-O-NP	7/16	3/8	11/32
.040 / 1mm	4-28LB.040-O	4-28LB.040-O-SS	4-28LB.040-O-316SS	4-28LB.040-O-NP	7/16	3/8	11/32
3/64	4-28LB.045-O	4-28LB.045-O-SS	4-28LB.045-O-316SS	4-28LB.045-O-NP	7/16	3/8	11/32
.050	4-28LB.050-O	4-28LB.050-O-SS	4-28LB.050-O-316SS	4-28LB.050-O-NP	7/16	3/8	11/32
1/16	4-28LB1-O	4-28LB1-O-SS	4-28LB1-O-316SS	4-28LB1-O-NP	17/32	3/8	13/32
5/64 / 2mm	4-28LB2-O	4-28LB2-O-SS	4-28LB2-O-316SS	4-28LB2-O-NP	17/32	3/8	13/32
3/32	4-28LB2 1/2-O	4-28LB2 1/2-O-SS	4-28LB2 1/2-O-316SS	4-28LB2 1/2-O-NP	17/32	3/8	13/32
1/8	4-28LB3-O	4-28LB3-O-SS	4-28LB3-O-316SS	4-28LB3-O-NP	17/32	3/8	1/2
5/32 / 4mm	4-28LB3 1/2-O	4-28LB3 1/2-O-SS	4-28LB3 1/2-O-316SS	4-28LB3 1/2-O-NP	17/32	3/8	1/2
.170	4-28LB4-O	4-28LB4-O-SS	4-28LB4-O-316SS	4-28LB4-O-NP	17/32	3/8	17/32
3/16	4-28LB5-O	4-28LB5-O-SS	4-28LB5-O-316SS	4-28LB5-O-NP	17/32	3/8	9/16
7/32	4-28LB5 1/2-O	4-28LB5 1/2-O-SS	4-28LB5 1/2-O-316SS	4-28LB5 1/2-O-NP	17/32	3/8	9/16
6mm	4-28LB5 3/4-O	4-28LB5 3/4-O-SS	4-28LB5 3/4-O-316SS	4-28LB5 3/4-O-NP	5/8	3/8	11/16
1/4	4-28LB6-O	4-28LB6-O-SS	4-28LB6-O-316SS	4-28LB6-O-NP	5/8	3/8	11/16
5/16 / 8mm	4-28LB7-O	4-28LB7-O-SS	4-28LB7-O-316SS	4-28LB7-O-NP	11/16	1/2	11/8
3/8	4-28LB8-O	4-28LB8-O-SS	4-28LB8-O-316SS	4-28LB8-O-NP	11/16	1/2	25/32

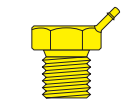
233 1/4-28 (4-28) Thread to Tube 45° Elbows with Fibre Gasket Supplied

Tube ID	Part Numbers				Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/32	4-28LB.031-45°	4-28LB.031-45°-SS	4-28LB.031-45°-316SS	4-28LB.031-45°-NP	1/8	5/16	Consult Factory	Consult Factory
.040 / 1mm	4-28LB.040-45°	4-28LB.040-45°-SS	4-28LB.040-45°-316SS	4-28LB.040-45°-NP	1/8	5/16		
3/64	4-28LB.045-45°	4-28LB.045-45°-SS	4-28LB.045-45°-316SS	4-28LB.045-45°-NP	1/8	5/16		
.050	4-28LB.050-45°	4-28LB.050-45°-SS	4-28LB.050-45°-316SS	4-28LB.050-45°-NP	1/8	5/16		
1/16	4-28LB1-45°	4-28LB1-45°-SS	4-28LB1-45°-316SS	4-28LB1-45°-NP	9/32	5/16		
5/64 / 2mm	4-28LB2-45°	4-28LB2-45°-SS	4-28LB2-45°-316SS	4-28LB2-45°-NP	9/32	5/16		
3/32	4-28LB2 1/2-45°	4-28LB2 1/2-45°-SS	4-28LB2 1/2-45°-316SS	4-28LB2 1/2-45°-NP	9/32	5/16		
1/8	4-28LB3-45°	4-28LB3-45°-SS	4-28LB3-45°-316SS	4-28LB3-45°-NP	9/32	5/16		
5/32 / 4mm	4-28LB3 1/2-45°	4-28LB3 1/2-45°-SS	4-28LB3 1/2-45°-316SS	4-28LB3 1/2-45°-NP	9/32	5/16		
.170	4-28LB4-45°	4-28LB4-45°-SS	4-28LB4-45°-316SS	4-28LB4-45°-NP	9/32	5/16		



4-28LB4-45°

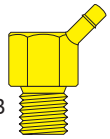
Note: *For systems that do not allow the degree symbol (°) to be used, it can be substituted with 'DEG' in the part number.*

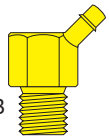

4-28LB.031-45°

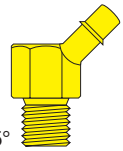

4-28LB.040-45°

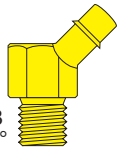

4-28LB.045-45°


4-28LB.050-45°


4-28LB 1-45°

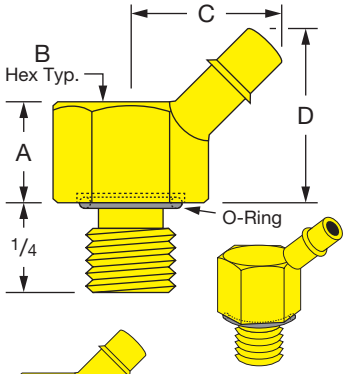

4-28LB 2-45°


4-28 LB3-45°


4-28LB 3 1/2-45°

234 1/4-28 (4-28) Thread to Tube 45° Elbows with O-Ring Seal Installed

Tube ID	Part Numbers				Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/32	4-28LB.031-45°-O	4-28LB.031-45°-O-SS	4-28LB.031-45°-O-316SS	4-28LB.031-45°-O-NP	3/16	3/8	Consult Factory	Consult Factory
.040 / 1mm	4-28LB.040-45°-O	4-28LB.040-45°-O-SS	4-28LB.040-45°-O-316SS	4-28LB.040-45°-O-NP	3/16	3/8		
3/64	4-28LB.045-45°-O	4-28LB.045-45°-O-SS	4-28LB.045-45°-O-316SS	4-28LB.045-45°-O-NP	3/16	3/8		
.050	4-28LB.050-45°-O	4-28LB.050-45°-O-SS	4-28LB.050-45°-O-316SS	4-28LB.050-45°-O-NP	3/16	3/8		
1/16	4-28LB1-45°-O	4-28LB1-45°-O-SS	4-28LB1-45°-O-316SS	4-28LB1-45°-O-NP	9/32	3/8		
5/64 / 2mm	4-28LB2-45°-O	4-28LB2-45°-O-SS	4-28LB2-45°-O-316SS	4-28LB2-45°-O-NP	9/32	3/8		
3/32	4-28LB2 1/2-45°-O	4-28LB2 1/2-45°-O-SS	4-28LB2 1/2-45°-O-316SS	4-28LB2 1/2-45°-O-NP	9/32	3/8		
1/8	4-28LB3-45°-O	4-28LB3-45°-O-SS	4-28LB3-45°-O-316SS	4-28LB3-45°-O-NP	9/32	3/8		
5/32 / 4mm	4-28LB3 1/2-45°-O	4-28LB3 1/2-45°-O-SS	4-28LB3 1/2-45°-O-316SS	4-28LB3 1/2-45°-O-NP	9/32	3/8		
.170	4-28LB4-45°-O	4-28LB4-45°-O-SS	4-28LB4-45°-O-316SS	4-28LB4-45°-O-NP	9/32	3/8		



4-28LB4-45°-O

4-28LB .045-45°-O

4-28LB3 1/2-45°-O

4-28LB1-45°-O

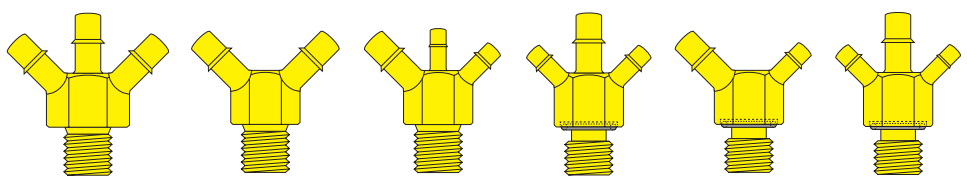
4-28LB3-45°-O

4-28LB2-45°-O

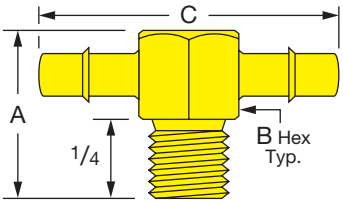
For systems that do not allow the degree symbol (°) to be used, it can be substituted with 'DEG' in the part number.

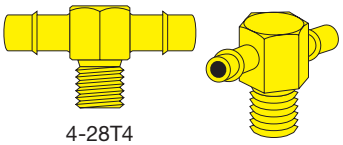
Supplied with Buna-N O-Rings. Other O-Ring options listed on page 65!

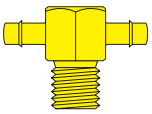
Custom 1/4-28 (4-28) Thread to Tube Fittings available! Consult factory for details!



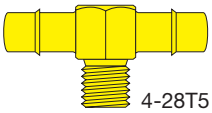
1/4-28 (4-28) Thread to Tube Tees with Fibre Gasket Supplied — 235

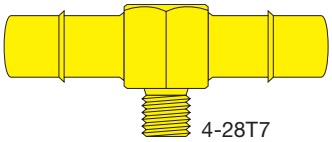



4-28T4


4-28T2 1/2

Adjustable options also available! Consult factory for details!

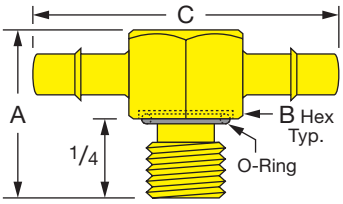

4-28T5

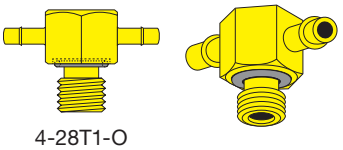

4-28T7

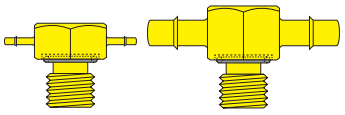
H

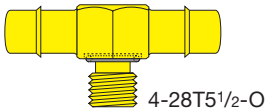
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	4-28T.031	4-28T.031-SS	4-28T.031-316SS	4-28T.031-NP	3/8	5/16	5/8
.040 / 1mm	4-28T.040	4-28T.040-SS	4-28T.040-316SS	4-28T.040-NP	3/8	5/16	5/8
3/64	4-28T.045	4-28T.045-SS	4-28T.045-316SS	4-28T.045-NP	3/8	5/16	5/8
.050	4-28T.050	4-28T.050-SS	4-28T.050-316SS	4-28T.050-NP	3/8	5/16	5/8
1/16	4-28T1	4-28T1-SS	4-28T1-316SS	4-28T1-NP	17/32	5/16	3/4
5/64 / 2mm	4-28T2	4-28T2-SS	4-28T2-316SS	4-28T2-NP	17/32	5/16	3/4
3/32	4-28T2 1/2	4-28T2 1/2-SS	4-28T2 1/2-316SS	4-28T2 1/2-NP	17/32	5/16	3/4
1/8	4-28T3	4-28T3-SS	4-28T3-316SS	4-28T3-NP	17/32	5/16	15/16
5/32 / 4mm	4-28T3 1/2	4-28T3 1/2-SS	4-28T3 1/2-316SS	4-28T3 1/2-NP	17/32	5/16	15/16
.170	4-28T4	4-28T4-SS	4-28T4-316SS	4-28T4-NP	17/32	5/16	1
3/16	4-28T5	4-28T5-SS	4-28T5-316SS	4-28T5-NP	17/32	5/16	1 1/16
7/32	4-28T5 1/2	4-28T5 1/2-SS	4-28T5 1/2-316SS	4-28T5 1/2-NP	17/32	5/16	1 1/16
6mm	4-28T5 3/4	4-28T5 3/4-SS	4-28T5 3/4-316SS	4-28T5 3/4-NP	5/8	3/8	1 3/8
1/4	4-28T6	4-28T6-SS	4-28T6-316SS	4-28T6-NP	5/8	3/8	1 3/8
5/16 / 8mm	4-28T7	4-28T7-SS	4-28T7-316SS	4-28T7-NP	11/16	7/16	1 7/8
3/8	4-28T8	4-28T8-SS	4-28T8-316SS	4-28T8-NP	11/16	7/16	1 11/16

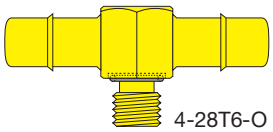
1/4-28 (4-28) Thread to Tube Tees with O-Ring Seal Installed — 236




4-28T1-O


4-28T.031-O 4-28T3-O


4-28T5 1/2-O

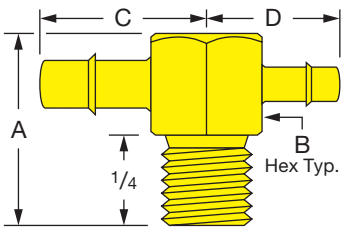

4-28T6-O

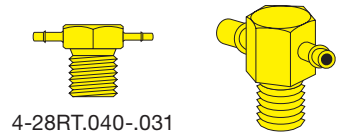
O-Ring materials on page 65!

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	4-28T.031-O	4-28T.031-O-SS	4-28T.031-O-316SS	4-28T.031-O-NP	7/16	3/8	11/16
.040 / 1mm	4-28T.040-O	4-28T.040-O-SS	4-28T.040-O-316SS	4-28T.040-O-NP	7/16	3/8	11/16
3/64	4-28T.045-O	4-28T.045-O-SS	4-28T.045-O-316SS	4-28T.045-O-NP	7/16	3/8	11/16
.050	4-28T.050-O	4-28T.050-O-SS	4-28T.050-O-316SS	4-28T.050-O-NP	7/16	3/8	11/16
1/16	4-28T1-O	4-28T1-O-SS	4-28T1-O-316SS	4-28T1-O-NP	17/32	3/8	13/16
5/64 / 2mm	4-28T2-O	4-28T2-O-SS	4-28T2-O-316SS	4-28T2-O-NP	17/32	3/8	13/16
3/32	4-28T2 1/2-O	4-28T2 1/2-O-SS	4-28T2 1/2-O-316SS	4-28T2 1/2-O-NP	17/32	3/8	13/16
1/8	4-28T3-O	4-28T3-O-SS	4-28T3-O-316SS	4-28T3-O-NP	17/32	3/8	1
5/32 / 4mm	4-28T3 1/2-O	4-28T3 1/2-O-SS	4-28T3 1/2-O-316SS	4-28T3 1/2-O-NP	17/32	3/8	1
.170	4-28T4-O	4-28T4-O-SS	4-28T4-O-316SS	4-28T4-O-NP	17/32	3/8	1 1/16
3/16	4-28T5-O	4-28T5-O-SS	4-28T5-O-316SS	4-28T5-O-NP	17/32	3/8	1 1/8
7/32	4-28T5 1/2-O	4-28T5 1/2-O-SS	4-28T5 1/2-O-316SS	4-28T5 1/2-O-NP	17/32	3/8	1 1/8
6mm	4-28T5 3/4-O	4-28T5 3/4-O-SS	4-28T5 3/4-O-316SS	4-28T5 3/4-O-NP	5/8	3/8	1 3/8
1/4	4-28T6-O	4-28T6-O-SS	4-28T6-O-316SS	4-28T6-O-NP	5/8	3/8	1 3/8
5/16 / 8mm	4-28T7-O	4-28T7-O-SS	4-28T7-O-316SS	4-28T7-O-NP	11/16	1/2	2 1/4
3/8	4-28T8-O	4-28T8-O-SS	4-28T8-O-316SS	4-28T8-O-NP	11/16	1/2	1 9/16

237 1/4-28 (4-28) Thread to Tube Reducing Tees with Fibre Gasket Supplied

Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
.040 / 1mm	1/32	4-28RT.040-.031	4-28RT.040-.031-SS	4-28RT.040-.031-316SS	4-28RT.040-.031-NP	3/8	5/16	5/16	5/16
3/64	1/32	4-28RT.045-.031	4-28RT.045-.031-SS	4-28RT.045-.031-316SS	4-28RT.045-.031-NP	3/8	5/16	5/16	5/16
3/64	.040 / 1mm	4-28RT.045-.040	4-28RT.045-.040-SS	4-28RT.045-.040-316SS	4-28RT.045-.040-NP	3/8	5/16	5/16	5/16
.050	1/32	4-28RT.050-.031	4-28RT.050-.031-SS	4-28RT.050-.031-316SS	4-28RT.050-.031-NP	3/8	5/16	5/16	5/16
.050	.040 / 1mm	4-28RT.050-.040	4-28RT.050-.040-SS	4-28RT.050-.040-316SS	4-28RT.050-.040-NP	3/8	5/16	5/16	5/16
.050	1/64	4-28RT.050-.045	4-28RT.050-.045-SS	4-28RT.050-.045-316SS	4-28RT.050-.045-NP	3/8	5/16	5/16	5/16
1/16	1/32	4-28RT1-.031	4-28RT1-.031-SS	4-28RT1-.031-316SS	4-28RT1-.031-NP	17/32	5/16	3/8	5/16
1/16	.040 / 1mm	4-28RT1-.040	4-28RT1-.040-SS	4-28RT1-.040-316SS	4-28RT1-.040-NP	17/32	5/16	3/8	5/16
1/16	3/64	4-28RT1-.045	4-28RT1-.045-SS	4-28RT1-.045-316SS	4-28RT1-.045-NP	17/32	5/16	3/8	5/16
1/16	.050	4-28RT1-.050	4-28RT1-.050-SS	4-28RT1-.050-316SS	4-28RT1-.050-NP	17/32	5/16	3/8	5/16
5/64 / 2mm	1/32	4-28RT2-.031	4-28RT2-.031-SS	4-28RT2-.031-316SS	4-28RT2-.031-NP	17/32	5/16	3/8	5/16
5/64 / 2mm	.040 / 1mm	4-28RT2-.040	4-28RT2-.040-SS	4-28RT2-.040-316SS	4-28RT2-.040-NP	17/32	5/16	3/8	5/16
5/64 / 2mm	3/64	4-28RT2-.045	4-28RT2-.045-SS	4-28RT2-.045-316SS	4-28RT2-.045-NP	17/32	5/16	3/8	5/16
5/64 / 2mm	.050	4-28RT2-.050	4-28RT2-.050-SS	4-28RT2-.050-316SS	4-28RT2-.050-NP	17/32	5/16	3/8	5/16
5/64 / 2mm	1/16	4-28RT2-1	4-28RT2-1-SS	4-28RT2-1-316SS	4-28RT2-1-NP	17/32	5/16	3/8	3/8
3/32	1/32	4-28RT2 1/2-.031	4-28RT2 1/2-.031-SS	4-28RT2 1/2-.031-316SS	4-28RT2 1/2-.031-NP	17/32	5/16	3/8	5/16
3/32	.040 / 1mm	4-28RT2 1/2-.040	4-28RT2 1/2-.040-SS	4-28RT2 1/2-.040-316SS	4-28RT2 1/2-.040-NP	17/32	5/16	3/8	5/16
3/32	3/64	4-28RT2 1/2-.045	4-28RT2 1/2-.045-SS	4-28RT2 1/2-.045-316SS	4-28RT2 1/2-.045-NP	17/32	5/16	3/8	5/16
3/32	.050	4-28RT2 1/2-.050	4-28RT2 1/2-.050-SS	4-28RT2 1/2-.050-316SS	4-28RT2 1/2-.050-NP	17/32	5/16	3/8	5/16
3/32	1/16	4-28RT2 1/2-1	4-28RT2 1/2-1-SS	4-28RT2 1/2-1-316SS	4-28RT2 1/2-1-NP	17/32	5/16	3/8	3/8
3/32	5/64 / 2mm	4-28RT2 1/2-2	4-28RT2 1/2-2-SS	4-28RT2 1/2-2-316SS	4-28RT2 1/2-2-NP	17/32	5/16	3/8	3/8
1/8	1/32	4-28RT3-.031	4-28RT3-.031-SS	4-28RT3-.031-316SS	4-28RT3-.031-NP	17/32	5/16	15/32	5/16
1/8	.040 / 1mm	4-28RT3-.040	4-28RT3-.040-SS	4-28RT3-.040-316SS	4-28RT3-.040-NP	17/32	5/16	15/32	5/16
1/8	3/64	4-28RT3-.045	4-28RT3-.045-SS	4-28RT3-.045-316SS	4-28RT3-.045-NP	17/32	5/16	15/32	5/16
1/8	.050	4-28RT3-.050	4-28RT3-.050-SS	4-28RT3-.050-316SS	4-28RT3-.050-NP	17/32	5/16	15/32	5/16
1/8	1/16	4-28RT3-1	4-28RT3-1-SS	4-28RT3-1-316SS	4-28RT3-1-NP	17/32	5/16	15/32	3/8
1/8	5/64 / 2mm	4-28RT3-2	4-28RT3-2-SS	4-28RT3-2-316SS	4-28RT3-2-NP	17/32	5/16	15/32	3/8
1/8	3/32	4-28RT3-2 1/2	4-28RT3-2 1/2-SS	4-28RT3-2 1/2-316SS	4-28RT3-2 1/2-NP	17/32	5/16	15/32	3/8
5/32	1/32	4-28RT3 1/2-.031	4-28RT3 1/2-.031-SS	4-28RT3 1/2-.031-316SS	4-28RT3 1/2-.031-NP	17/32	5/16	15/32	5/16
5/32	.040 / 1mm	4-28RT3 1/2-.040	4-28RT3 1/2-.040-SS	4-28RT3 1/2-.040-316SS	4-28RT3 1/2-.040-NP	17/32	5/16	15/32	5/16
5/32	3/64	4-28RT3 1/2-.045	4-28RT3 1/2-.045-SS	4-28RT3 1/2-.045-316SS	4-28RT3 1/2-.045-NP	17/32	5/16	15/32	5/16
5/32	.050	4-28RT3 1/2-.050	4-28RT3 1/2-.050-SS	4-28RT3 1/2-.050-316SS	4-28RT3 1/2-.050-NP	17/32	5/16	15/32	5/16
5/32	1/16	4-28RT3 1/2-1	4-28RT3 1/2-1-SS	4-28RT3 1/2-1-316SS	4-28RT3 1/2-1-NP	17/32	5/16	15/32	3/8
5/32	5/64 / 2mm	4-28RT3 1/2-2	4-28RT3 1/2-2-SS	4-28RT3 1/2-2-316SS	4-28RT3 1/2-2-NP	17/32	5/16	15/32	3/8
5/32	3/32	4-28RT3 1/2-2 1/2	4-28RT3 1/2-2 1/2-SS	4-28RT3 1/2-2 1/2-316SS	4-28RT3 1/2-2 1/2-NP	17/32	5/16	15/32	3/8
5/32	1/8	4-28RT3 1/2-3	4-28RT3 1/2-3-SS	4-28RT3 1/2-3-316SS	4-28RT3 1/2-3-NP	17/32	5/16	15/32	15/32

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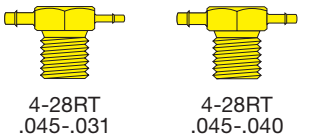
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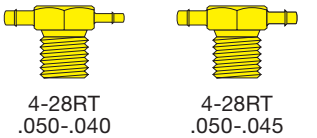
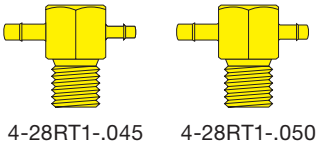
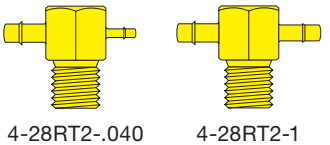

4-28RT .050-.040 4-28RT .050-.045


4-28RT1-.045 4-28RT1-.050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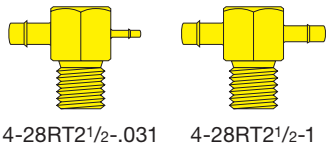
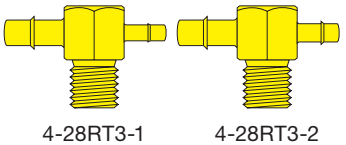
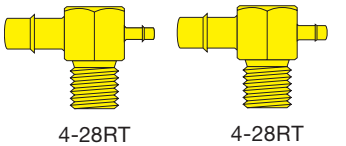
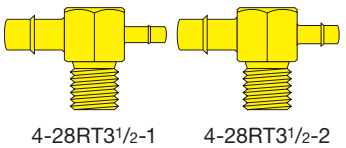

4-28RT2 1/2-.031 4-28RT2 1/2-1

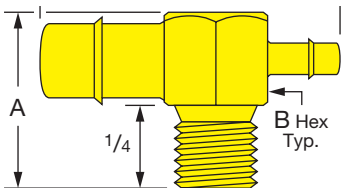

4-28RT3-1 4-28RT3-2

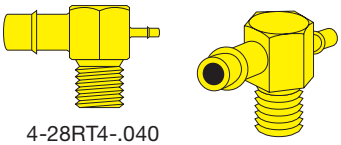

4-28RT 3 1/2-.045 4-28RT 3 1/2-.050


4-28RT3 1/2-1 4-28RT3 1/2-2

Continued on next page.

1/4-28 (4-28) Thread to Tube Reducing Tees with Fibre Gasket Supplied (cont.) 238

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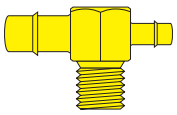
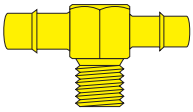

4-28RT4-2 1/2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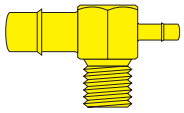
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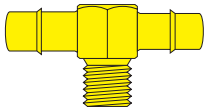
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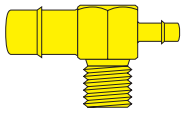
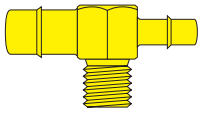
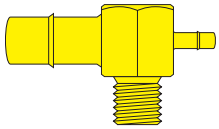
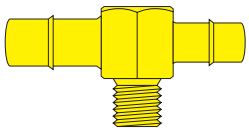

4-28RT5 1/2-2


4-28RT5 1/2-3


4-28RT5 3/4-1


4-28RT5 3/4-5

Continued on next page.

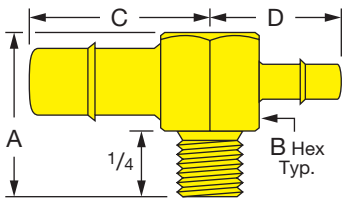
Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
.170	1/32	4-28RT4-.031	4-28RT4-.031-SS	4-28RT4-.031-316SS	4-28RT4-.031-NP	17/32	5/16	1/2	5/16
.170	.040 / 1mm	4-28RT4-.040	4-28RT4-.040-SS	4-28RT4-.040-316SS	4-28RT4-.040-NP	17/32	5/16	1/2	5/16
.170	3/64	4-28RT4-.045	4-28RT4-.045-SS	4-28RT4-.045-316SS	4-28RT4-.045-NP	17/32	5/16	1/2	5/16
.170	.050	4-28RT4-.050	4-28RT4-.050-SS	4-28RT4-.050-316SS	4-28RT4-.050-NP	17/32	5/16	1/2	5/16
.170	1/16	4-28RT4-1	4-28RT4-1-SS	4-28RT4-1-316SS	4-28RT4-1-NP	17/32	5/16	1/2	3/8
.170	5/64 / 2mm	4-28RT4-2	4-28RT4-2-SS	4-28RT4-2-316SS	4-28RT4-2-NP	17/32	5/16	1/2	3/8
.170	3/32	4-28RT4-2 1/2	4-28RT4-2 1/2-SS	4-28RT4-2 1/2-316SS	4-28RT4-2 1/2-NP	17/32	5/16	1/2	3/8
.170	1/8	4-28RT4-3	4-28RT4-3-SS	4-28RT4-3-316SS	4-28RT4-3-NP	17/32	5/16	1/2	15/32
.170	5/32 / 4mm	4-28RT4-3 1/2	4-28RT4-3 1/2-SS	4-28RT4-3 1/2-316SS	4-28RT4-3 1/2-NP	17/32	5/16	1/2	15/32
3/16	1/32	4-28RT5-.031	4-28RT5-.031-SS	4-28RT5-.031-316SS	4-28RT5-.031-NP	17/32	5/16	17/32	5/16
3/16	.040 / 1mm	4-28RT5-.040	4-28RT5-.040-SS	4-28RT5-.040-316SS	4-28RT5-.040-NP	17/32	5/16	17/32	5/16
3/16	3/64	4-28RT5-.045	4-28RT5-.045-SS	4-28RT5-.045-316SS	4-28RT5-.045-NP	17/32	5/16	17/32	5/16
3/16	.050	4-28RT5-.050	4-28RT5-.050-SS	4-28RT5-.050-316SS	4-28RT5-.050-NP	17/32	5/16	17/32	5/16
3/16	1/16	4-28RT5-1	4-28RT5-1-SS	4-28RT5-1-316SS	4-28RT5-1-NP	17/32	5/16	17/32	3/8
3/16	5/64 / 2mm	4-28RT5-2	4-28RT5-2-SS	4-28RT5-2-316SS	4-28RT5-2-NP	17/32	5/16	17/32	3/8
3/16	3/32	4-28RT5-2 1/2	4-28RT5-2 1/2-SS	4-28RT5-2 1/2-316SS	4-28RT5-2 1/2-NP	17/32	5/16	17/32	3/8
3/16	1/8	4-28RT5-3	4-28RT5-3-SS	4-28RT5-3-316SS	4-28RT5-3-NP	17/32	5/16	17/32	15/32
3/16	5/32 / 4mm	4-28RT5-3 1/2	4-28RT5-3 1/2-SS	4-28RT5-3 1/2-316SS	4-28RT5-3 1/2-NP	17/32	5/16	17/32	15/32
3/16	.170	4-28RT5-4	4-28RT5-4-SS	4-28RT5-4-316SS	4-28RT5-4-NP	17/32	5/16	17/32	1/2
7/32	1/16	4-28RT5 1/2-1	4-28RT5 1/2-1-SS	4-28RT5 1/2-1-316SS	4-28RT5 1/2-1-NP	17/32	5/16	17/32	3/8
7/32	5/64 / 2mm	4-28RT5 1/2-2	4-28RT5 1/2-2-SS	4-28RT5 1/2-2-316SS	4-28RT5 1/2-2-NP	17/32	5/16	17/32	3/8
7/32	3/32	4-28RT5 1/2-2 1/2	4-28RT5 1/2-2 1/2-SS	4-28RT5 1/2-2 1/2-316SS	4-28RT5 1/2-2 1/2-NP	17/32	5/16	17/32	3/8
7/32	1/8	4-28RT5 1/2-3	4-28RT5 1/2-3-SS	4-28RT5 1/2-3-316SS	4-28RT5 1/2-3-NP	17/32	5/16	17/32	15/32
7/32	5/32 / 4mm	4-28RT5 1/2-3 1/2	4-28RT5 1/2-3 1/2-SS	4-28RT5 1/2-3 1/2-316SS	4-28RT5 1/2-3 1/2-NP	17/32	5/16	17/32	15/32
7/32	.170	4-28RT5 1/2-4	4-28RT5 1/2-4-SS	4-28RT5 1/2-4-316SS	4-28RT5 1/2-4-NP	17/32	5/16	17/32	1/2
7/32	3/16	4-28RT5 1/2-5	4-28RT5 1/2-5-SS	4-28RT5 1/2-5-316SS	4-28RT5 1/2-5-NP	17/32	5/16	17/32	17/32
6mm	1/16	4-28RT5 3/4-1	4-28RT5 3/4-1-SS	4-28RT5 3/4-1-316SS	4-28RT5 3/4-1-NP	5/8	3/8	11/16	13/32
6mm	5/64 / 2mm	4-28RT5 3/4-2	4-28RT5 3/4-2-SS	4-28RT5 3/4-2-316SS	4-28RT5 3/4-2-NP	5/8	3/8	11/16	13/32
6mm	3/32	4-28RT5 3/4-2 1/2	4-28RT5 3/4-2 1/2-SS	4-28RT5 3/4-2 1/2-316SS	4-28RT5 3/4-2 1/2-NP	5/8	3/8	11/16	13/32
6mm	1/8	4-28RT5 3/4-3	4-28RT5 3/4-3-SS	4-28RT5 3/4-3-316SS	4-28RT5 3/4-3-NP	5/8	3/8	11/16	1/2
6mm	5/32 / 4mm	4-28RT5 3/4-3 1/2	4-28RT5 3/4-3 1/2-SS	4-28RT5 3/4-3 1/2-316SS	4-28RT5 3/4-3 1/2-NP	5/8	3/8	11/16	1/2
6mm	.170	4-28RT5 3/4-4	4-28RT5 3/4-4-SS	4-28RT5 3/4-4-316SS	4-28RT5 3/4-4-NP	5/8	3/8	11/16	17/32
6mm	3/16	4-28RT5 3/4-5	4-28RT5 3/4-5-SS	4-28RT5 3/4-5-316SS	4-28RT5 3/4-5-NP	5/8	3/8	11/16	9/16
6mm	7/32	4-28RT5 3/4-5 1/2	4-28RT5 3/4-5 1/2-SS	4-28RT5 3/4-5 1/2-316SS	4-28RT5 3/4-5 1/2-NP	5/8	3/8	11/16	9/16

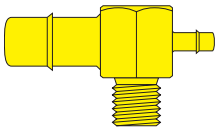
Note:
Dimensions may vary at time of manufacturing.

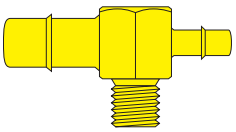
.025 branch (1/50" tube ID) and other branch sizes available by special request! Consult factory for details!

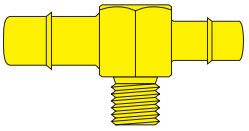
239 1/4-28 (4-28) Thread to Tube Reducing Tees with Fibre Gasket Supplied (cont.)

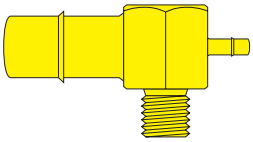
Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/4	1/16	4-28RT6-1	4-28RT6-1-SS	4-28RT6-1-316SS	4-28RT6-1-NP	5/8	3/8	11/16	13/32
1/4	5/64 / 2mm	4-28RT6-2	4-28RT6-2-SS	4-28RT6-2-316SS	4-28RT6-2-NP	5/8	3/8	11/16	13/32
1/4	3/32	4-28RT6-2 1/2	4-28RT6-2 1/2-SS	4-28RT6-2 1/2-316SS	4-28RT6-2 1/2-NP	5/8	3/8	11/16	13/32
1/4	1/8	4-28RT6-3	4-28RT6-3-SS	4-28RT6-3-316SS	4-28RT6-3-NP	5/8	3/8	11/16	1/2
1/4	5/32 / 4mm	4-28RT6-3 1/2	4-28RT6-3 1/2-SS	4-28RT6-3 1/2-316SS	4-28RT6-3 1/2-NP	5/8	3/8	11/16	1/2
1/4	.170	4-28RT6-4	4-28RT6-4-SS	4-28RT6-4-316SS	4-28RT6-4-NP	5/8	3/8	11/16	17/32
1/4	3/16	4-28RT6-5	4-28RT6-5-SS	4-28RT6-5-316SS	4-28RT6-5-NP	5/8	3/8	11/16	9/16
1/4	7/32	4-28RT6-5 1/2	4-28RT6-5 1/2-SS	4-28RT6-5 1/2-316SS	4-28RT6-5 1/2-NP	5/8	3/8	11/16	9/16
1/4	6mm	4-28RT6-5 3/4	4-28RT6-5 3/4-SS	4-28RT6-5 3/4-316SS	4-28RT6-5 3/4-NP	5/8	3/8	11/16	11/16
5/16 / 8mm	1/16	4-28RT7-1	4-28RT7-1-SS	4-28RT7-1-316SS	4-28RT7-1-NP	11/16	7/16	15/16	17/32
5/16 / 8mm	5/64 / 2mm	4-28RT7-2	4-28RT7-2-SS	4-28RT7-2-316SS	4-28RT7-2-NP	11/16	7/16	15/16	17/32
5/16 / 8mm	3/32	4-28RT7-2 1/2	4-28RT7-2 1/2-SS	4-28RT7-2 1/2-316SS	4-28RT7-2 1/2-NP	11/16	7/16	15/16	17/32
5/16 / 8mm	1/8	4-28RT7-3	4-28RT7-3-SS	4-28RT7-3-316SS	4-28RT7-3-NP	11/16	7/16	15/16	5/8
5/16 / 8mm	5/32 / 4mm	4-28RT7-3 1/2	4-28RT7-3 1/2-SS	4-28RT7-3 1/2-316SS	4-28RT7-3 1/2-NP	11/16	7/16	15/16	5/8
5/16 / 8mm	.170	4-28RT7-4	4-28RT7-4-SS	4-28RT7-4-316SS	4-28RT7-4-NP	11/16	7/16	15/16	21/32
5/16 / 8mm	3/16	4-28RT7-5	4-28RT7-5-SS	4-28RT7-5-316SS	4-28RT7-5-NP	11/16	7/16	15/16	11/16
5/16 / 8mm	7/32	4-28RT7-5 1/2	4-28RT7-5 1/2-SS	4-28RT7-5 1/2-316SS	4-28RT7-5 1/2-NP	11/16	7/16	15/16	11/16
5/16 / 8mm	6mm	4-28RT7-5 3/4	4-28RT7-5 3/4-SS	4-28RT7-5 3/4-316SS	4-28RT7-5 3/4-NP	11/16	7/16	15/16	13/16
5/16 / 8mm	1/4	4-28RT7-6	4-28RT7-6-SS	4-28RT7-6-316SS	4-28RT7-6-NP	11/16	7/16	15/16	13/16
3/8	1/16	4-28RT8-1	4-28RT8-1-SS	4-28RT8-1-316SS	4-28RT8-1-NP	11/16	7/16	27/32	17/32
3/8	5/64 / 2mm	4-28RT8-2	4-28RT8-2-SS	4-28RT8-2-316SS	4-28RT8-2-NP	11/16	7/16	27/32	17/32
3/8	3/32	4-28RT8-2 1/2	4-28RT8-2 1/2-SS	4-28RT8-2 1/2-316SS	4-28RT8-2 1/2-NP	11/16	7/16	27/32	17/32
3/8	1/8	4-28RT8-3	4-28RT8-3-SS	4-28RT8-3-316SS	4-28RT8-3-NP	11/16	7/16	27/32	5/8
3/8	5/32 / 4mm	4-28RT8-3 1/2	4-28RT8-3 1/2-SS	4-28RT8-3 1/2-316SS	4-28RT8-3 1/2-NP	11/16	7/16	27/32	5/8
3/8	.170	4-28RT8-4	4-28RT8-4-SS	4-28RT8-4-316SS	4-28RT8-4-NP	11/16	7/16	27/32	11/32
3/8	3/16	4-28RT8-5	4-28RT8-5-SS	4-28RT8-5-316SS	4-28RT8-5-NP	11/16	7/16	27/32	11/16
3/8	7/32	4-28RT8-5 1/2	4-28RT8-5 1/2-SS	4-28RT8-5 1/2-316SS	4-28RT8-5 1/2-NP	11/16	7/16	27/32	11/16
3/8	6mm	4-28RT8-5 3/4	4-28RT8-5 3/4-SS	4-28RT8-5 3/4-316SS	4-28RT8-5 3/4-NP	11/16	7/16	27/32	13/16
3/8	1/4	4-28RT8-6	4-28RT8-6-SS	4-28RT8-6-316SS	4-28RT8-6-NP	11/16	7/16	27/32	13/16
3/8	5/16 / 8mm	4-28RT8-7	4-28RT8-7-SS	4-28RT8-7-316SS	4-28RT8-7-NP	11/16	7/16	27/32	1 7/8

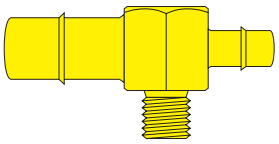


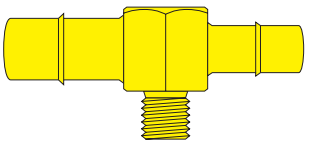

4-28RT6-2

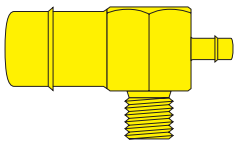

4-28RT6-3

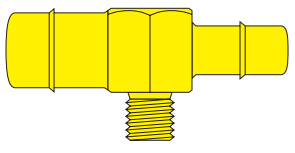

4-28RT6-5


4-28RT7-1

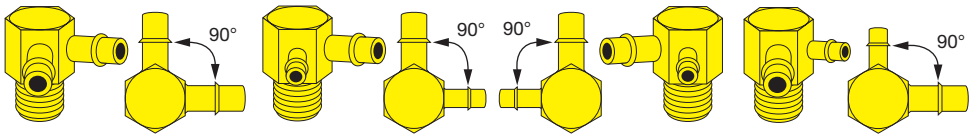

4-28RT7-4


4-28RT7-5 3/4


4-28RT8-2 1/2

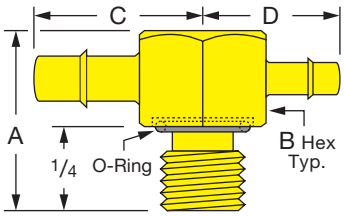

4-28RT8-6

1/4-28 (4-28) Male Thread 90° Tees & Reducing Tees available! Consult factory for details!



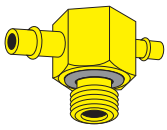
H

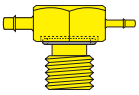
1/4-28 (4-28) Thread to Tube Reducing Tees with O-Ring Seal Installed 240

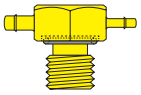


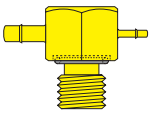
H

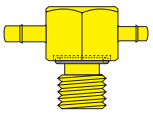
Adjustable options also available! Consult factory for details!

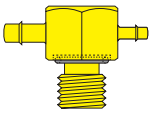


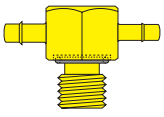

4-28RT .045-.031-O

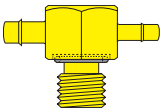

4-28RT .050-.040-O

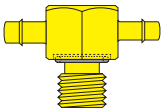

4-28 RT1-.031-O

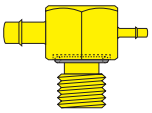

4-28 RT1-.050-O

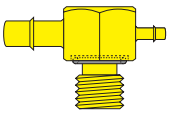

4-28RT2-.045-O

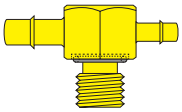

4-28RT2-1-O

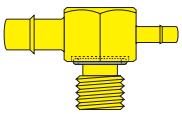

4-28RT2$^{1}/_{2}$-1-O


4-28RT2$^{1}/_{2}$-2-O

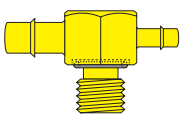

4-28RT $2^{1}/_{2}$-.040-O


4-28 RT3-.045-O


4-28RT3-2-O


4-28RT3$^{1}/_{2}$-1-O

O-Ring materials listed on page 65!

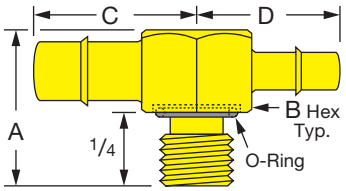

4-28RT3$^{1}/_{2}$-2-O

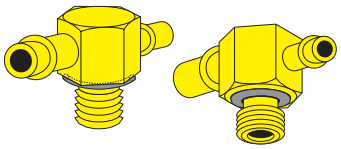
Continued on next page.

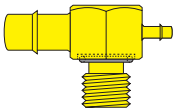
Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
.040 / 1mm	1/32	4-28RT.040-.031-O	4-28RT.040-.031-O-SS	4-28RT.040-.031-O-316SS	4-28RT.040-.031-O-NP	7/16	3/8	11/32	11/32
3/64	1/32	4-28RT.045-.031-O	4-28RT.045-.031-O-SS	4-28RT.045-.031-O-316SS	4-28RT.045-.031-O-NP	7/16	3/8	11/32	11/32
3/64	.040 / 1mm	4-28RT.045-.040-O	4-28RT.045-.040-O-SS	4-28RT.045-.040-O-316SS	4-28RT.045-.040-O-NP	7/16	3/8	11/32	11/32
.050	1/32	4-28RT.050-.031-O	4-28RT.050-.031-O-SS	4-28RT.050-.031-O-316SS	4-28RT.050-.031-O-NP	7/16	3/8	11/32	11/32
.050	.040 / 1mm	4-28RT.050-.040-O	4-28RT.050-.040-O-SS	4-28RT.050-.040-O-316SS	4-28RT.050-.040-O-NP	7/16	3/8	11/32	11/32
.050	1/64	4-28RT.050-.045-O	4-28RT.050-.045-O-SS	4-28RT.050-.045-O-316SS	4-28RT.050-.045-O-NP	7/16	3/8	11/32	11/32
1/16	1/32	4-28RT1-.031-O	4-28RT1-.031-O-SS	4-28RT1-.031-O-316SS	4-28RT1-.031-O-NP	17/32	3/8	13/32	11/32
1/16	.040 / 1mm	4-28RT1-.040-O	4-28RT1-.040-O-SS	4-28RT1-.040-O-316SS	4-28RT1-.040-O-NP	17/32	3/8	13/32	11/32
1/16	3/64	4-28RT1-.045-O	4-28RT1-.045-O-SS	4-28RT1-.045-O-316SS	4-28RT1-.045-O-NP	17/32	3/8	13/32	11/32
1/16	.050	4-28RT1-.050-O	4-28RT1-.050-O-SS	4-28RT1-.050-O-316SS	4-28RT1-.050-O-NP	17/32	3/8	13/32	11/32
5/64 / 2mm	1/32	4-28RT2-.031-O	4-28RT2-.031-O-SS	4-28RT2-.031-O-316SS	4-28RT2-.031-O-NP	17/32	3/8	13/32	11/32
5/64 / 2mm	.040 / 1mm	4-28RT2-.040-O	4-28RT2-.040-O-SS	4-28RT2-.040-O-316SS	4-28RT2-.040-O-NP	17/32	3/8	13/32	11/32
5/64 / 2mm	3/64	4-28RT2-.045-O	4-28RT2-.045-O-SS	4-28RT2-.045-O-316SS	4-28RT2-.045-O-NP	17/32	3/8	13/32	11/32
5/64 / 2mm	.050	4-28RT2-.050-O	4-28RT2-.050-O-SS	4-28RT2-.050-O-316SS	4-28RT2-.050-O-NP	17/32	3/8	13/32	11/32
5/64 / 2mm	1/16	4-28RT2-1-O	4-28RT2-1-O-SS	4-28RT2-1-O-316SS	4-28RT2-1-O-NP	17/32	3/8	13/32	13/32
3/32	1/32	4-28RT$2^{1}/_{2}$-.031-O	4-28RT$2^{1}/_{2}$-.031-O-SS	4-28RT$2^{1}/_{2}$-.031-O-316SS	4-28RT$2^{1}/_{2}$-.031-O-NP	17/32	3/8	13/32	11/32
3/32	.040 / 1mm	4-28RT$2^{1}/_{2}$-.040-O	4-28RT$2^{1}/_{2}$-.040-O-SS	4-28RT$2^{1}/_{2}$-.040-O-316SS	4-28RT$2^{1}/_{2}$-.040-O-NP	17/32	3/8	13/32	11/32
3/32	3/64	4-28RT$2^{1}/_{2}$-.045-O	4-28RT$2^{1}/_{2}$-.045-O-SS	4-28RT$2^{1}/_{2}$-.045-O-316SS	4-28RT$2^{1}/_{2}$-.045-O-NP	17/32	3/8	13/32	11/32
3/32	.050	4-28RT$2^{1}/_{2}$-.050-O	4-28RT$2^{1}/_{2}$-.050-O-SS	4-28RT$2^{1}/_{2}$-.050-O-316SS	4-28RT$2^{1}/_{2}$-.050-O-NP	17/32	3/8	13/32	11/32
3/32	1/16	4-28RT$2^{1}/_{2}$-1-O	4-28RT$2^{1}/_{2}$-1-O-SS	4-28RT$2^{1}/_{2}$-1-O-316SS	4-28RT$2^{1}/_{2}$-1-O-NP	17/32	3/8	13/32	13/32
3/32	5/64 / 2mm	4-28RT$2^{1}/_{2}$-2-O	4-28RT$2^{1}/_{2}$-2-O-SS	4-28RT$2^{1}/_{2}$-2-O-316SS	4-28RT$2^{1}/_{2}$-2-O-NP	17/32	3/8	13/32	13/32
1/8	1/32	4-28RT3-.031-O	4-28RT3-.031-O-SS	4-28RT3-.031-O-316SS	4-28RT3-.031-O-NP	17/32	3/8	1/2	11/32
1/8	.040 / 1mm	4-28RT3-.040-O	4-28RT3-.040-O-SS	4-28RT3-.040-O-316SS	4-28RT3-.040-O-NP	17/32	3/8	1/2	11/32
1/8	3/64	4-28RT3-.045-O	4-28RT3-.045-O-SS	4-28RT3-.045-O-316SS	4-28RT3-.045-O-NP	17/32	3/8	1/2	11/32
1/8	.050	4-28RT3-.050-O	4-28RT3-.050-O-SS	4-28RT3-.050-O-316SS	4-28RT3-.050-O-NP	17/32	3/8	1/2	11/32
1/8	1/16	4-28RT3-1-O	4-28RT3-1-O-SS	4-28RT3-1-O-316SS	4-28RT3-1-O-NP	17/32	3/8	1/2	13/32
1/8	5/64 / 2mm	4-28RT3-2-O	4-28RT3-2-O-SS	4-28RT3-2-O-316SS	4-28RT3-2-O-NP	17/32	3/8	1/2	13/32
1/8	3/32	4-28RT3-$2^{1}/_{2}$-O	4-28RT3-$2^{1}/_{2}$-O-SS	4-28RT3-$2^{1}/_{2}$-O-316SS	4-28RT3-$2^{1}/_{2}$-O-NP	17/32	3/8	1/2	13/32
5/32	1/32	4-28RT$3^{1}/_{2}$-.031-O	4-28RT$3^{1}/_{2}$-.031-O-SS	4-28RT$3^{1}/_{2}$-.031-O-316SS	4-28RT$3^{1}/_{2}$-.031-O-NP	17/32	3/8	1/2	11/32
5/32	.040 / 1mm	4-28RT$3^{1}/_{2}$-.040-O	4-28RT$3^{1}/_{2}$-.040-O-SS	4-28RT$3^{1}/_{2}$-.040-O-316SS	4-28RT$3^{1}/_{2}$-.040-O-NP	17/32	3/8	1/2	11/32
5/32	3/64	4-28RT$3^{1}/_{2}$-.045-O	4-28RT$3^{1}/_{2}$-.045-O-SS	4-28RT$3^{1}/_{2}$-.045-O-316SS	4-28RT$3^{1}/_{2}$-.045-O-NP	17/32	3/8	1/2	11/32
5/32	.050	4-28RT$3^{1}/_{2}$-.050-O	4-28RT$3^{1}/_{2}$-.050-O-SS	4-28RT$3^{1}/_{2}$-.050-O-316SS	4-28RT$3^{1}/_{2}$-.050-O-NP	17/32	3/8	1/2	11/32
5/32	1/16	4-28RT$3^{1}/_{2}$-1-O	4-28RT$3^{1}/_{2}$-1-O-SS	4-28RT$3^{1}/_{2}$-1-O-316SS	4-28RT$3^{1}/_{2}$-1-O-NP	17/32	3/8	1/2	13/32
5/32	5/64 / 2mm	4-28RT$3^{1}/_{2}$-2-O	4-28RT$3^{1}/_{2}$-2-O-SS	4-28RT$3^{1}/_{2}$-2-O-316SS	4-28RT$3^{1}/_{2}$-2-O-NP	17/32	3/8	1/2	13/32
5/32	3/32	4-28RT$3^{1}/_{2}$-$2^{1}/_{2}$-O	4-28RT$3^{1}/_{2}$-$2^{1}/_{2}$-O-SS	4-28RT$3^{1}/_{2}$-$2^{1}/_{2}$-O-316SS	4-28RT$3^{1}/_{2}$-$2^{1}/_{2}$-O-NP	17/32	3/8	1/2	13/32
5/32	1/8	4-28RT$3^{1}/_{2}$-3-O	4-28RT$3^{1}/_{2}$-3-O-SS	4-28RT$3^{1}/_{2}$-3-O-316SS	4-28RT$3^{1}/_{2}$-3-O-NP	17/32	3/8	1/2	1/2

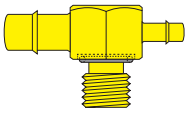
241 1/4-28 (4-28) Thread to Tube Reducing Tees with O-Ring Seal Installed (cont.)

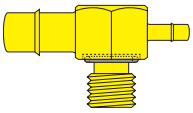
Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
.170	1/32	4-28RT4-.031-O	4-28RT4-.031-O-SS	4-28RT4-.031-O-316SS	4-28RT4-.031-O-NP	17/32	3/8	17/32	11/32
.170	.040 / 1mm	4-28RT4-.040-O	4-28RT4-.040-O-SS	4-28RT4-.040-O-316SS	4-28RT4-.040-O-NP	17/32	3/8	17/32	11/32
.170	3/64	4-28RT4-.045-O	4-28RT4-.045-O-SS	4-28RT4-.045-O-316SS	4-28RT4-.045-O-NP	17/32	3/8	17/32	11/32
.170	.050	4-28RT4-.050-O	4-28RT4-.050-O-SS	4-28RT4-.050-O-316SS	4-28RT4-.050-O-NP	17/32	3/8	17/32	11/32
.170	1/16	4-28RT4-1-O	4-28RT4-1-O-SS	4-28RT4-1-O-316SS	4-28RT4-1-O-NP	17/32	3/8	17/32	13/32
.170	5/64 / 2mm	4-28RT4-2-O	4-28RT4-2-O-SS	4-28RT4-2-O-316SS	4-28RT4-2-O-NP	17/32	3/8	17/32	13/32
.170	3/32	4-28RT4-2 1/2-O	4-28RT4-2 1/2-O-SS	4-28RT4-2 1/2-O-316SS	4-28RT4-2 1/2-O-NP	17/32	3/8	17/32	13/32
.170	1/8	4-28RT4-3-O	4-28RT4-3-O-SS	4-28RT4-3-O-316SS	4-28RT4-3-O-NP	17/32	3/8	17/32	1/2
.170	5/32 / 4mm	4-28RT4-3 1/2-O	4-28RT4-3 1/2-O-SS	4-28RT4-3 1/2-O-316SS	4-28RT4-3 1/2-O-NP	17/32	3/8	17/32	1/2
3/16	1/32	4-28RT5-.031-O	4-28RT5-.031-O-SS	4-28RT5-.031-O-316SS	4-28RT5-.031-O-NP	17/32	3/8	17/32	11/32
3/16	.040 / 1mm	4-28RT5-.040-O	4-28RT5-.040-O-SS	4-28RT5-.040-O-316SS	4-28RT5-.040-O-NP	17/32	3/8	17/32	11/32
3/16	3/64	4-28RT5-.045-O	4-28RT5-.045-O-SS	4-28RT5-.045-O-316SS	4-28RT5-.045-O-NP	17/32	3/8	17/32	11/32
3/16	.050	4-28RT5-.050-O	4-28RT5-.050-O-SS	4-28RT5-.050-O-316SS	4-28RT5-.050-O-NP	17/32	3/8	9/16	11/32
3/16	1/16	4-28RT5-1-O	4-28RT5-1-O-SS	4-28RT5-1-O-316SS	4-28RT5-1-O-NP	17/32	3/8	9/16	13/32
3/16	5/64 / 2mm	4-28RT5-2-O	4-28RT5-2-O-SS	4-28RT5-2-O-316SS	4-28RT5-2-O-NP	17/32	3/8	9/16	13/32
3/16	3/32	4-28RT5-2 1/2-O	4-28RT5-2 1/2-O-SS	4-28RT5-2 1/2-O-316SS	4-28RT5-2 1/2-O-NP	17/32	3/8	9/16	13/32
3/16	1/8	4-28RT5-3-O	4-28RT5-3-O-SS	4-28RT5-3-O-316SS	4-28RT5-3-O-NP	17/32	3/8	9/16	1/2
3/16	5/32 / 4mm	4-28RT5-3 1/2-O	4-28RT5-3 1/2-O-SS	4-28RT5-3 1/2-O-316SS	4-28RT5-3 1/2-O-NP	17/32	3/8	9/16	1/2
3/16	.170	4-28RT5-4-O	4-28RT5-4-O-SS	4-28RT5-4-O-316SS	4-28RT5-4-O-NP	17/32	3/8	9/16	17/3
7/32	1/16	4-28RT5 1/2-1-O	4-28RT5 1/2-1-O-SS	4-28RT5 1/2-1-O-316SS	4-28RT5 1/2-1-O-NP	17/32	3/8	9/16	13/32
7/32	5/64 / 2mm	4-28RT5 1/2-2-O	4-28RT5 1/2-2-O-SS	4-28RT5 1/2-2-O-316SS	4-28RT5 1/2-2-O-NP	17/32	3/8	9/16	13/32
7/32	3/32	4-28RT5 1/2-2 1/2-O	4-28RT5 1/2-2 1/2-O-SS	4-28RT5 1/2-2 1/2-O-316SS	4-28RT5 1/2-2 1/2-O-NP	17/32	3/8	9/16	13/32
7/32	1/8	4-28RT5 1/2-3-O	4-28RT5 1/2-3-O-SS	4-28RT5 1/2-3-O-316SS	4-28RT5 1/2-3-O-NP	17/32	3/8	9/16	1/2
7/32	5/32 / 4mm	4-28RT5 1/2-3 1/2-O	4-28RT5 1/2-3 1/2-O-SS	4-28RT5 1/2-3 1/2-O-316SS	4-28RT5 1/2-3 1/2-O-NP	17/32	3/8	9/16	1/2
7/32	.170	4-28RT5 1/2-4-O	4-28RT5 1/2-4-O-SS	4-28RT5 1/2-4-O-316SS	4-28RT5 1/2-4-O-NP	17/32	3/8	9/16	17/32
7/32	3/16	4-28RT5 1/2-5-O	4-28RT5 1/2-5-O-SS	4-28RT5 1/2-5-O-316SS	4-28RT5 1/2-5-O-NP	17/32	3/8	9/16	9/16
6mm	1/16	4-28RT5 3/4-1-O	4-28RT5 3/4-1-O-SS	4-28RT5 3/4-1-O-316SS	4-28RT5 3/4-1-O-NP	5/8	3/8	11/16	13/32
6mm	5/64 / 2mm	4-28RT5 3/4-2-O	4-28RT5 3/4-2-O-SS	4-28RT5 3/4-2-O-316SS	4-28RT5 3/4-2-O-NP	5/8	3/8	11/16	13/32
6mm	3/32	4-28RT5 3/4-2 1/2-O	4-28RT5 3/4-2 1/2-O-SS	4-28RT5 3/4-2 1/2-O-316SS	4-28RT5 3/4-2 1/2-O-NP	5/8	3/8	11/16	13/32
6mm	1/8	4-28RT5 3/4-3-O	4-28RT5 3/4-3-O-SS	4-28RT5 3/4-3-O-316SS	4-28RT5 3/4-3-O-NP	5/8	3/8	11/16	1/2
6mm	5/32 / 4mm	4-28RT5 3/4-3 1/2-O	4-28RT5 3/4-3 1/2-O-SS	4-28RT5 3/4-3 1/2-O-316SS	4-28RT5 3/4-3 1/2-O-NP	5/8	3/8	11/16	1/2
6mm	.170	4-28RT5 3/4-4-O	4-28RT5 3/4-4-O-SS	4-28RT5 3/4-4-O-316SS	4-28RT5 3/4-4-O-NP	5/8	3/8	11/16	17/32
6mm	3/16	4-28RT5 3/4-5-O	4-28RT5 3/4-5-O-SS	4-28RT5 3/4-5-O-316SS	4-28RT5 3/4-5-O-NP	5/8	3/8	11/16	9/16
6mm	7/32	4-28RT5 3/4-5 1/2-O	4-28RT5 3/4-5 1/2-O-SS	4-28RT5 3/4-5 1/2-O-316SS	4-28RT5 3/4-5 1/2-O-NP	5/8	3/8	11/16	9/16

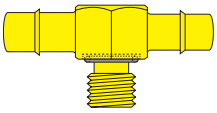


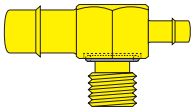


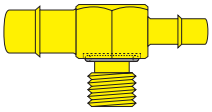

4-28RT4-.040-O

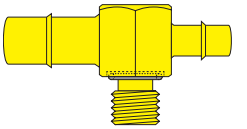

4-28RT4-2-O

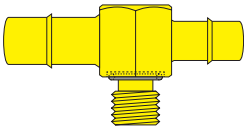

4-28RT5-1-O


4-28RT5-4-O


4-28RT5 1/2-2 1/2-O


4-28RT5 1/2-3-O

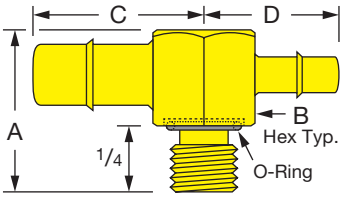

4-28RT5 3/4-3 1/2-O

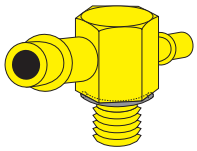

4-28RT5 3/4-5-O

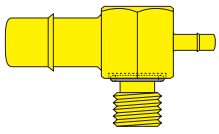
Supplied with Buna-N O-Rings. Other O-Ring material options are listed on page 65!

Continued on next page.

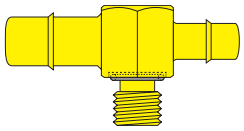
1/4-28 (4-28) Thread to Tube Reducing Tees with O-Ring Seal Installed (cont.) 242



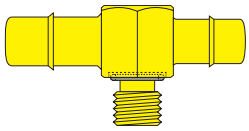




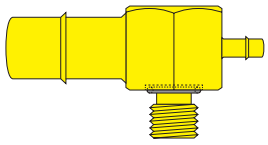
4-28RT6-1-O



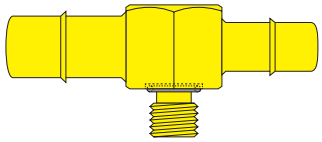
4-28RT6-4-O



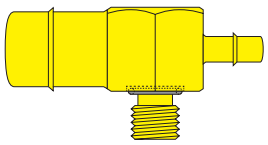
4-28RT6-5 1/2-O



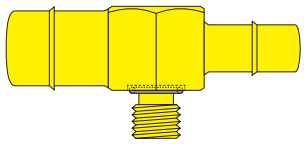
4-28RT7-2-O



4-28RT7-6-O



4-28RT8-3-O

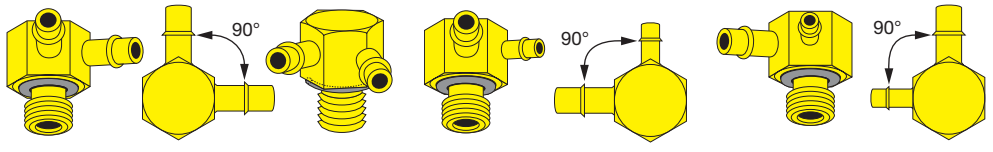


4-28RT8-5 3/4-O

O-Ring material options are listed on page 65!

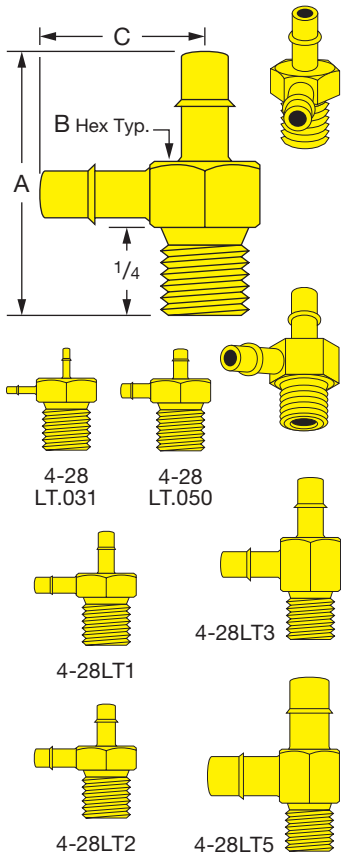
Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/4	1/16	4-28RT6-1-O	4-28RT6-1-O-SS	4-28RT6-1-O-316SS	4-28RT6-1-O-NP	5/8	3/8	11/16	13/32
1/4	5/64 / 2mm	4-28RT6-2-O	4-28RT6-2-O-SS	4-28RT6-2-O-316SS	4-28RT6-2-O-NP	5/8	3/8	11/16	13/32
1/4	3/32	4-28RT6-2 1/2-O	4-28RT6-2 1/2-O-SS	4-28RT6-2 1/2-O-316SS	4-28RT6-2 1/2-O-NP	5/8	3/8	11/16	13/32
1/4	1/8	4-28RT6-3-O	4-28RT6-3-O-SS	4-28RT6-3-O-316SS	4-28RT6-3-O-NP	5/8	3/8	11/16	1/2
1/4	5/32 / 4mm	4-28RT6-3 1/2-O	4-28RT6-3 1/2-O-SS	4-28RT6-3 1/2-O-316SS	4-28RT6-3 1/2-O-NP	5/8	3/8	11/16	1/2
1/4	.170	4-28RT6-4-O	4-28RT6-4-O-SS	4-28RT6-4-O-316SS	4-28RT6-4-O-NP	5/8	3/8	11/16	17/32
1/4	3/16	4-28RT6-5-O	4-28RT6-5-O-SS	4-28RT6-5-O-316SS	4-28RT6-5-O-NP	5/8	3/8	11/16	9/16
1/4	7/32	4-28RT6-5 1/2-O	4-28RT6-5 1/2-O-SS	4-28RT6-5 1/2-O-316SS	4-28RT6-5 1/2-O-NP	5/8	3/8	11/16	9/16
1/4	6mm	4-28RT6-5 3/4-O	4-28RT6-5 3/4-O-SS	4-28RT6-5 3/4-O-316SS	4-28RT6-5 3/4-O-NP	5/8	3/8	11/16	11/16
5/16 / 8mm	1/16	4-28RT7-1-O	4-28RT7-1-O-SS	4-28RT7-1-O-316SS	4-28RT7-1-O-NP	11/16	1/2	1 1/8	15/32
5/16 / 8mm	5/64 / 2mm	4-28RT7-2-O	4-28RT7-2-O-SS	4-28RT7-2-O-316SS	4-28RT7-2-O-NP	11/16	1/2	1 1/8	15/32
5/16 / 8mm	3/32	4-28RT7-2 1/2-O	4-28RT7-2 1/2-O-SS	4-28RT7-2 1/2-O-316SS	4-28RT7-2 1/2-O-NP	11/16	1/2	1 1/8	15/32
5/16 / 8mm	1/8	4-28RT7-3-O	4-28RT7-3-O-SS	4-28RT7-3-O-316SS	4-28RT7-3-O-NP	11/16	1/2	1 1/8	9/16
5/16 / 8mm	5/32 / 4mm	4-28RT7-3 1/2-O	4-28RT7-3 1/2-O-SS	4-28RT7-3 1/2-O-316SS	4-28RT7-3 1/2-O-NP	11/16	1/2	1 1/8	9/16
5/16 / 8mm	.170	4-28RT7-4-O	4-28RT7-4-O-SS	4-28RT7-4-O-316SS	4-28RT7-4-O-NP	11/16	1/2	1 1/8	19/32
5/16 / 8mm	3/16	4-28RT7-5-O	4-28RT7-5-O-SS	4-28RT7-5-O-316SS	4-28RT7-5-O-NP	11/16	1/2	1 1/8	5/8
5/16 / 8mm	7/32	4-28RT7-5 1/2-O	4-28RT7-5 1/2-O-SS	4-28RT7-5 1/2-O-316SS	4-28RT7-5 1/2-O-NP	11/16	1/2	1 1/8	5/8
5/16 / 8mm	6mm	4-28RT7-5 3/4-O	4-28RT7-5 3/4-O-SS	4-28RT7-5 3/4-O-316SS	4-28RT7-5 3/4-O-NP	11/16	1/2	1 1/8	3/4
5/16 / 8mm	1/4	4-28RT7-6-O	4-28RT7-6-O-SS	4-28RT7-6-O-316SS	4-28RT7-6-O-NP	11/16	1/2	1 1/8	3/4
3/8	1/16	4-28RT8-1-O	4-28RT8-1-O-SS	4-28RT8-1-O-316SS	4-28RT8-1-O-NP	11/16	1/2	25/32	15/32
3/8	5/64 / 2mm	4-28RT8-2-O	4-28RT8-2-O-SS	4-28RT8-2-O-316SS	4-28RT8-2-O-NP	11/16	1/2	25/32	15/32
3/8	3/32	4-28RT8-2 1/2-O	4-28RT8-2 1/2-O-SS	4-28RT8-2 1/2-O-316SS	4-28RT8-2 1/2-O-NP	11/16	1/2	25/32	15/32
3/8	1/8	4-28RT8-3-O	4-28RT8-3-O-SS	4-28RT8-3-O-316SS	4-28RT8-3-O-NP	11/16	1/2	25/32	9/16
3/8	5/32 / 4mm	4-28RT8-3 1/2-O	4-28RT8-3 1/2-O-SS	4-28RT8-3 1/2-O-316SS	4-28RT8-3 1/2-O-NP	11/16	1/2	25/32	9/16
3/8	.170	4-28RT8-4-O	4-28RT8-4-O-SS	4-28RT8-4-O-316SS	4-28RT8-4-O-NP	11/16	1/2	25/32	19/32
3/8	3/16	4-28RT8-5-O	4-28RT8-5-O-SS	4-28RT8-5-O-316SS	4-28RT8-5-O-NP	11/16	1/2	25/32	5/8
3/8	7/32	4-28RT8-5 1/2-O	4-28RT8-5 1/2-O-SS	4-28RT8-5 1/2-O-316SS	4-28RT8-5 1/2-O-NP	11/16	1/2	25/32	5/8
3/8	6mm	4-28RT8-5 3/4-O	4-28RT8-5 3/4-O-SS	4-28RT8-5 3/4-O-316SS	4-28RT8-5 3/4-O-NP	11/16	1/2	25/32	3/4
3/8	1/4	4-28RT8-6-O	4-28RT8-6-O-SS	4-28RT8-6-O-316SS	4-28RT8-6-O-NP	11/16	1/2	25/32	3/4
3/8	5/16 / 8mm	4-28RT8-7-O	4-28RT8-7-O-SS	4-28RT8-7-O-316SS	4-28RT8-7-O-NP	11/16	1/2	25/32	1 1/8

1/4-28 (4-28) Male Thread 90° Tees & Reducing Tees available! Consult factory for details!



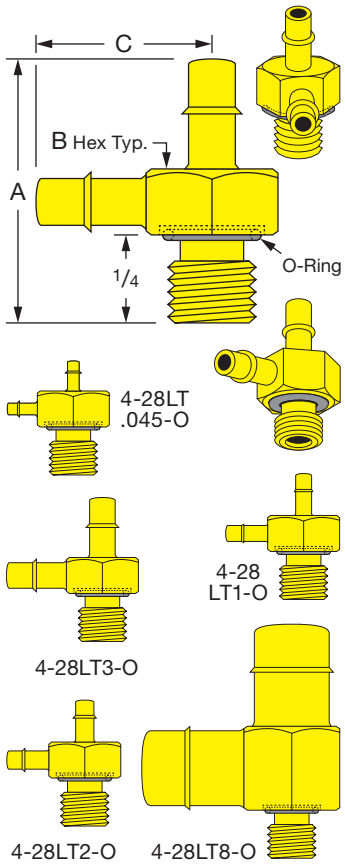
243 1/4-28 (4-28) Thread to Tube L-Tees with Fibre Gasket Supplied

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	4-28LT.031	4-28LT.031-SS	4-28LT.031-316SS	4-28LT.031-NP	17/32	5/16	5/16
.040 / 1mm	4-28LT.040	4-28LT.040-SS	4-28LT.040-316SS	4-28LT.040-NP	17/32	5/16	5/16
3/64	4-28LT.045	4-28LT.045-SS	4-28LT.045-316SS	4-28LT.045-NP	17/32	5/16	5/16
.050	4-28LT.050	4-28LT.050-SS	4-28LT.050-316SS	4-28LT.050-NP	17/32	5/16	5/16
1/16	4-28LT1	4-28LT1-SS	4-28LT1-316SS	4-28LT1-NP	19/32	5/16	3/8
5/64 / 2mm	4-28LT2	4-28LT2-SS	4-28LT2-316SS	4-28LT2-NP	19/32	5/16	3/8
3/32	4-28LT2 1/2	4-28LT2 1/2-SS	4-28LT2 1/2-316SS	4-28LT2 1/2-NP	19/32	5/16	3/8
1/8	4-28LT3	4-28LT3-SS	4-28LT3-316SS	4-28LT3-NP	Consult Factory	5/16	15/32
5/32 / 4mm	4-28LT3 1/2	4-28LT3 1/2-SS	4-28LT3 1/2-316SS	4-28LT3 1/2-NP	Consult Factory	5/16	15/32
.170	4-28LT4	4-28LT4-SS	4-28LT4-316SS	4-28LT4-NP	Consult Factory	5/16	1/2
3/16	4-28LT5	4-28LT5-SS	4-28LT5-316SS	4-28LT5-NP	Consult Factory	5/16	17/32
7/32	4-28LT5 1/2	4-28LT5 1/2-SS	4-28LT5 1/2-316SS	4-28LT5 1/2-NP	Consult Factory	5/16	17/32
6mm	4-28LT5 3/4	4-28LT5 3/4-SS	4-28LT5 3/4-316SS	4-28LT5 3/4-NP	Consult Factory	3/8	11/16
1/4	4-28LT6	4-28LT6-SS	4-28LT6-316SS	4-28LT6-NP	Consult Factory	3/8	11/16
5/16 / 8mm	4-28LT7	4-28LT7-SS	4-28LT7-316SS	4-28LT7-NP	Consult Factory	7/16	15/16
3/8	4-28LT8	4-28LT8-SS	4-28LT8-316SS	4-28LT8-NP	Consult Factory	7/16	27/32

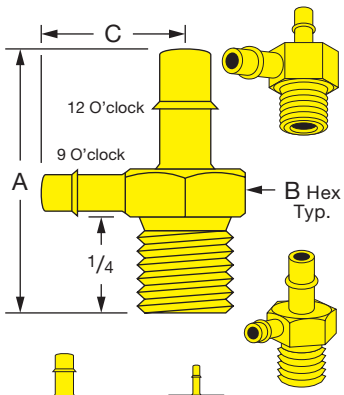


244 1/4-28 (4-28) Thread to Tube L-Tees with O-Ring Seal Installed

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	4-28LT.031-O	4-28LT.031-O-SS	4-28LT.031-O-316SS	4-28LT.031-O-NP	Consult Factory	3/8	11/16
.040 / 1mm	4-28LT.040-O	4-28LT.040-O-SS	4-28LT.040-O-316SS	4-28LT.040-O-NP	Consult Factory	3/8	11/16
3/64	4-28LT.045-O	4-28LT.045-O-SS	4-28LT.045-O-316SS	4-28LT.045-O-NP	Consult Factory	3/8	11/16
.050	4-28LT.050-O	4-28LT.050-O-SS	4-28LT.050-O-316SS	4-28LT.050-O-NP	Consult Factory	3/8	11/16
1/16	4-28LT1-O	4-28LT1-O-SS	4-28LT1-O-316SS	4-28LT1-O-NP	Consult Factory	3/8	13/16
5/64 / 2mm	4-28LT2-O	4-28LT2-O-SS	4-28LT2-O-316SS	4-28LT2-O-NP	Consult Factory	3/8	13/16
3/32	4-28LT2 1/2-O	4-28LT2 1/2-O-SS	4-28LT2 1/2-O-316SS	4-28LT2 1/2-O-NP	Consult Factory	3/8	13/16
1/8	4-28LT3-O	4-28LT3-O-SS	4-28LT3-O-316SS	4-28LT3-O-NP	Consult Factory	3/8	1
5/32 / 4mm	4-28LT3 1/2-O	4-28LT3 1/2-O-SS	4-28LT3 1/2-O-316SS	4-28LT3 1/2-O-NP	Consult Factory	3/8	1
.170	4-28LT4-O	4-28LT4-O-SS	4-28LT4-O-316SS	4-28LT4-O-NP	Consult Factory	3/8	1 1/16
3/16	4-28LT5-O	4-28LT5-O-SS	4-28LT5-O-316SS	4-28LT5-O-NP	Consult Factory	3/8	1 1/8
7/32	4-28LT5 1/2-O	4-28LT5 1/2-O-SS	4-28LT5 1/2-O-316SS	4-28LT5 1/2-O-NP	Consult Factory	3/8	1 1/8
6mm	4-28LT5 3/4-O	4-28LT5 3/4-O-SS	4-28LT5 3/4-O-316SS	4-28LT5 3/4-O-NP	Consult Factory	3/8	1 3/8
1/4	4-28LT6-O	4-28LT6-O-SS	4-28LT6-O-316SS	4-28LT6-O-NP	Consult Factory	3/8	1 3/8
5/16 / 8mm	4-28LT7-O	4-28LT7-O-SS	4-28LT7-O-316SS	4-28LT7-O-NP	Consult Factory	1/2	2 1/4
3/8	4-28LT8-O	4-28LT8-O-SS	4-28LT8-O-316SS	4-28LT8-O-NP	Consult Factory	1/2	1 9/16



1/4-28 (4-28) Thread to Tube Reducing L-Tees with Fibre Gasket Supplied 245

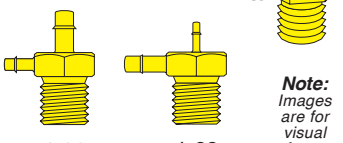


Branches		Dimensions (Reference)		
Tube ID	Branch #	A Ref.	B Typ.	C Ref.
1/32	.031	Consult Factory		
.040 / 1mm	.040	Consult Factory		
3/64	.045	Consult Factory		
.050	.050	Consult Factory		

Branches		Dimensions (Reference)		
Tube ID	Branch #	A Ref.	B Typ.	C Ref.
1/16	1	Consult Factory		
5/64 / 2mm	2	Consult Factory		
3/32	2 1/2	Consult Factory		
1/8	3	Consult Factory		
5/32 / 4mm	3 1/2	Consult Factory		
.170	4	Consult Factory		

Branches		Dimensions (Reference)		
Tube ID	Branch #	A Ref.	B Typ.	C Ref.
3/16	5	Consult Factory		
7/32	5 1/2	Consult Factory		
6mm	5 3/4	Consult Factory		
1/4	6	Consult Factory		
5/16 / 8mm	7	Consult Factory		
3/8	8	Consult Factory		

.025 branch (1/50" tube ID) available by special request!



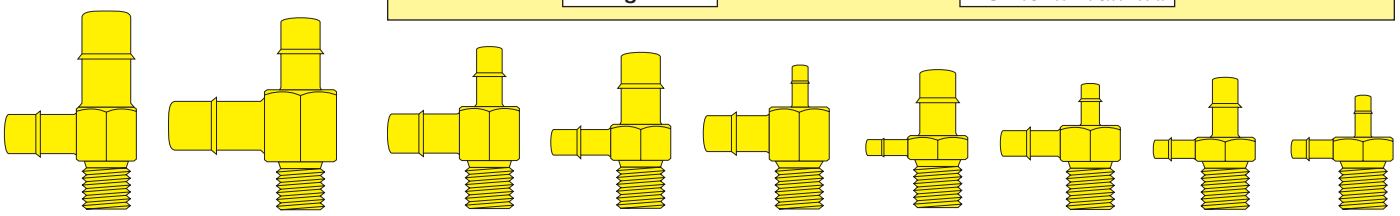
4-28 RLT.045-2 | 4-28 RLT1-.031

Note: *Images are for visual reference only!*

Part Numbers for 4-28 Thread to Tube Reducing L-Tees:

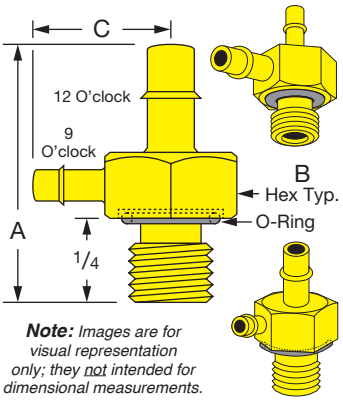
Thread Size → **4-28** **RLT** **#** - **#**

Fitting Series ↑ | 9 O'clock Branch # ↑ | 12 O'clock Branch # ←



4-28RLT5-6 | 4-28RLT6-5 | 4-28RLT5-3 | 4-28RLT3-5 | 4-28RLT4-1 | 4-28RLT1-4 | 4-28RLT3-2 | 4-28RLT2-3 | 4-28RLT2-1

1/4-28 (4-28) Thread to Tube Reducing L-Tees with O-Ring Installed 246



Note: *Images are for visual representation only; they not intended for dimensional measurements.*

Branches		Dimensions (Reference)		
Tube ID	Branch #	A Ref.	B Typ.	C Ref.
1/32	.031	Consult Factory		
.040 / 1mm	.040	Consult Factory		
3/64	.045	Consult Factory		
.050	.050	Consult Factory		

Branches		Dimensions (Reference)		
Tube ID	Branch #	A Ref.	B Typ.	C Ref.
1/16	1	Consult Factory		
5/64 / 2mm	2	Consult Factory		
3/32	2 1/2	Consult Factory		
1/8	3	Consult Factory		
5/32 / 4mm	3 1/2	Consult Factory		
.170	4	Consult Factory		

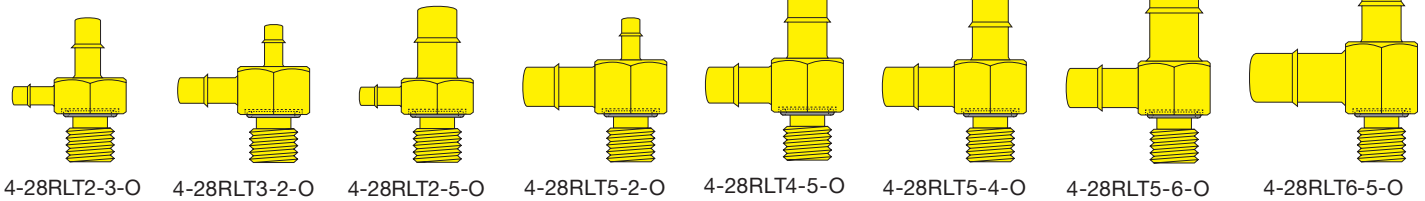
Branches		Dimensions (Reference)		
Tube ID	Branch #	A Ref.	B Typ.	C Ref.
3/16	5	Consult Factory		
7/32	5 1/2	Consult Factory		
6mm	5 3/4	Consult Factory		
1/4	6	Consult Factory		
5/16 / 8mm	7	Consult Factory		
3/8	8	Consult Factory		

O-Ring material options are listed on page 65!

Part Numbers for 4-28 Thread to Tube Reducing L-Tees with O-Rings Installed:

Thread Size → **4-28** **RLT** **#** - **#** - **O**

Fitting Series ↑ | 9 O'clock Branch # ↑ | 12 O'clock Branch # ↑ | O-Ring Indicator ←



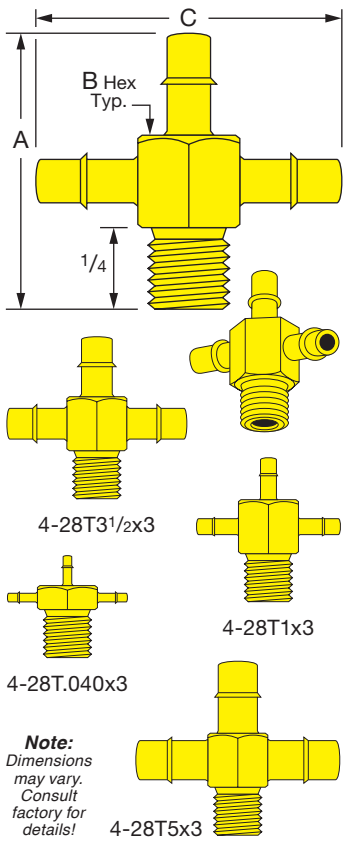
4-28RLT2-3-O | 4-28RLT3-2-O | 4-28RLT2-5-O | 4-28RLT5-2-O | 4-28RLT4-5-O | 4-28RLT5-4-O | 4-28RLT5-6-O | 4-28RLT6-5-O

Unless otherwise specified, parts will be Brass. To order other materials, please add the following codes to the part number:

-SS = Stainless Steel 303 **-316SS** = Stainless Steel 316 **-NP** = Electroless Nickel Plate

247 1/4-28 (4-28) Thread to Tube Tees x 3 with Fibre Gasket Supplied

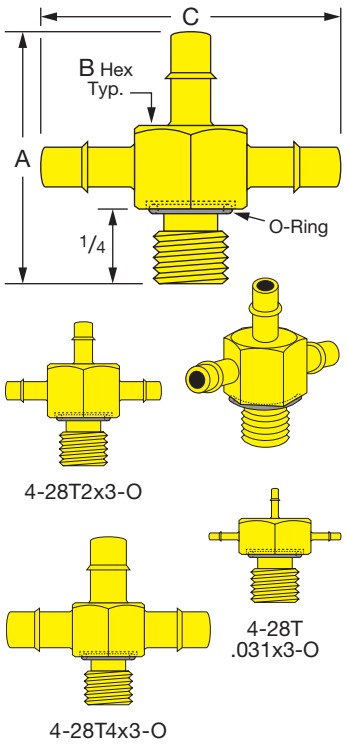
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	4-28T.031x3	4-28T.031x3-SS	4-28T.031x3-316SS	4-28T.031x3-NP	17/32	5/16	5/8
.040 / 1mm	4-28T.040x3	4-28T.040x3-SS	4-28T.040x3-316SS	4-28T.040x3-NP	17/32	5/16	5/8
3/64	4-28T.045x3	4-28T.045x3-SS	4-28T.045x3-316SS	4-28T.045x3-NP	17/32	5/16	5/8
.050	4-28T.050x3	4-28T.050x3-SS	4-28T.050x3-316SS	4-28T.050x3-NP	17/32	5/16	5/8
1/16	4-28T1x3	4-28T1x3-SS	4-28T1x3-316SS	4-28T1x3-NP	3/4	5/16	3/4
5/64 / 2mm	4-28T2x3	4-28T2x3-SS	4-28T2x3-316SS	4-28T2x3-NP	3/4	5/16	3/4
3/32	4-28T2 1/2x3	4-28T2 1/2x3-SS	4-28T2 1/2x3-316SS	4-28T2 1/2x3-NP	3/4	5/16	3/4
1/8	4-28T3x3	4-28T3x3-SS	4-28T3x3-316SS	4-28T3x3-NP	27/32	5/16	15/16
5/32 / 4mm	4-28T3 1/2x3	4-28T3 1/2x3-SS	4-28T3 1/2x3-316SS	4-28T3 1/2x3-NP	27/32	5/16	15/16
.170	4-28T4x3	4-28T4x3-SS	4-28T4x3-316SS	4-28T4x3-NP	7/8	5/16	1
3/16	4-28T5x3	4-28T5x3-SS	4-28T5x3-316SS	4-28T5x3-NP	29/32	5/16	1 1/16
7/32	4-28T5 1/2x3	4-28T5 1/2x3-SS	4-28T5 1/2x3-316SS	4-28T5 1/2x3-NP	29/32	5/16	1 1/16
6mm	4-28T5 3/4x3	4-28T5 3/4x3-SS	4-28T5 3/4x3-316SS	4-28T5 3/4x3-NP	1 1/8	3/8	1 3/8
1/4	4-28T6x3	4-28T6x3-SS	4-28T6x3-316SS	4-28T6x3-NP	1 1/8	3/8	1 3/8
5/16 / 8mm	4-28T7x3	4-28T7x3-SS	4-28T7x3-316SS	4-28T7x3-NP	1 3/8	7/16	1 7/8
3/8	4-28T8x3	4-28T8x3-SS	4-28T8x3-316SS	4-28T8x3-NP	1 9/32	7/16	1 11/16



Note: *Dimensions may vary. Consult factory for details!*

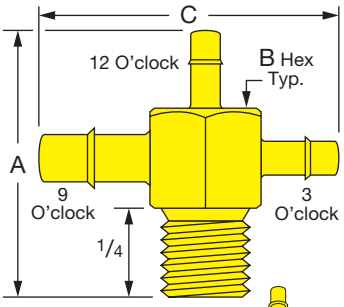
248 1/4-28 (4-28) Thread to Tube Tees x 3 with O-Ring Seal Installed

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	4-28T.031x3-O	4-28T.031x3-O-SS	4-28T.031x3-O-316SS	4-28T.031x3-O-NP	13/32	3/8	11/16
.040 / 1mm	4-28T.040x3-O	4-28T.040x3-O-SS	4-28T.040x3-O-316SS	4-28T.040x3-O-NP	13/32	3/8	11/16
3/64	4-28T.045x3-O	4-28T.045x3-O-SS	4-28T.045x3-O-316SS	4-28T.045x3-O-NP	13/32	3/8	11/16
.050	4-28T.050x3-O	4-28T.050x3-O-SS	4-28T.050x3-O-316SS	4-28T.050x3-O-NP	13/32	3/8	11/16
1/16	4-28T1x3-O	4-28T1x3-O-SS	4-28T1x3-O-316SS	4-28T1x3-O-NP	3/4	3/8	13/16
5/64 / 2mm	4-28T2x3-O	4-28T2x3-O-SS	4-28T2x3-O-316SS	4-28T2x3-O-NP	3/4	3/8	13/16
3/32	4-28T2 1/2x3-O	4-28T2 1/2x3-O-SS	4-28T2 1/2x3-O-316SS	4-28T2 1/2x3-O-NP	3/4	3/8	13/16
1/8	4-28T3x3-O	4-28T3x3-O-SS	4-28T3x3-O-316SS	4-28T3x3-O-NP	27/32	3/8	1
5/32 / 4mm	4-28T3 1/2x3-O	4-28T3 1/2x3-O-SS	4-28T3 1/2x3-O-316SS	4-28T3 1/2x3-O-NP	27/32	3/8	1
.170	4-28T4x3-O	4-28T4x3-O-SS	4-28T4x3-O-316SS	4-28T4x3-O-NP	7/8	3/8	1 1/16
3/16	4-28T5x3-O	4-28T5x3-O-SS	4-28T5x3-O-316SS	4-28T5x3-O-NP	29/32	3/8	1 1/8
7/32	4-28T5 1/2x3-O	4-28T5 1/2x3-O-SS	4-28T5 1/2x3-O-316SS	4-28T5 1/2x3-O-NP	29/32	3/8	1 1/8
6mm	4-28T5 3/4x3-O	4-28T5 3/4x3-O-SS	4-28T5 3/4x3-O-316SS	4-28T5 3/4x3-O-NP	1 1/8	3/8	1 3/8
1/4	4-28T6x3-O	4-28T6x3-O-SS	4-28T6x3-O-316SS	4-28T6x3-O-NP	1 1/8	3/8	1 3/8
5/16 / 8mm	4-28T7x3-O	4-28T7x3-O-SS	4-28T7x3-O-316SS	4-28T7x3-O-NP	1 3/8	1/2	2 1/4
3/8	4-28T8x3-O	4-28T8x3-O-SS	4-28T8x3-O-316SS	4-28T8x3-O-NP	1 9/32	1/2	1 9/16



O-Ring material options are listed on page 65!

1/4-28 (4-28) Thread to Tube Reducing Tees x 3 with Fibre Gasket Supplied 249



Branches		Dimensions (Reference)		
Tube ID	Branch #	A Ref.	B Typ.	C Ref.
1/32	.031	Consult Factory		
.040 / 1mm	.040	Consult Factory		
3/64	.045	Consult Factory		
.050	.050	Consult Factory		

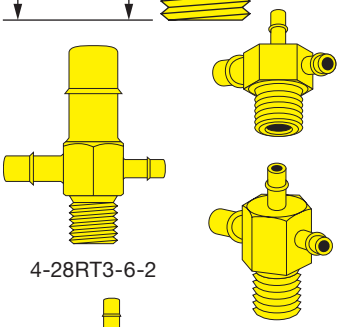
Branches		Dimensions (Reference)		
Tube ID	Branch #	A Ref.	B Typ.	C Ref.
1/16	1	Consult Factory		
5/64 / 2mm	2	Consult Factory		
3/32	2 1/2	Consult Factory		
1/8	3	Consult Factory		
5/32 / 4mm	3 1/2	Consult Factory		
.170	4	Consult Factory		

Branches		Dimensions (Reference)		
Tube ID	Branch #	A Ref.	B Typ.	C Ref.
3/16	5	Consult Factory		
7/32	5 1/2	Consult Factory		
6mm	5 3/4	Consult Factory		
1/4	6	Consult Factory		
5/16 / 8mm	7	Consult Factory		
3/8	8	Consult Factory		

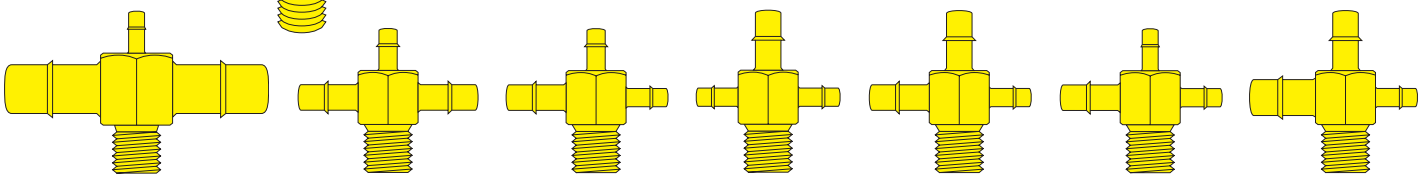
.025 branch (1/50" tube ID) available by special request!

Part Numbers for 1/4-28 (4-28) Thread Thread to Tube Reducing Tees x 3:

Thread Size → 4-28 (Fitting Series) RT # - # - # ← 3 O'clock Branch
(# - 9 O'clock Branch; # - 12 O'clock Branch)

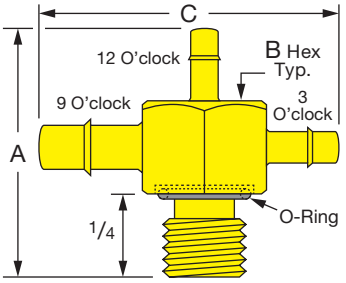


4-28RT3-6-2



4-28RT6-1-6 | 4-28RT3-2-3 | 4-28RT3-2-2 | 4-28RT2-3-2 | 4-28RT3-3-2 | 4-28RT3-1-2 | 4-28RT4-3-2

1/4-28 (4-28) Thread to Tube Reducing Tees x 3 with O-Ring Seal Installed 250



Branches		Dimensions (Reference)		
Tube ID	Branch #	A Ref.	B Typ.	C Ref.
1/32	.031	Consult Factory		
.040 / 1mm	.040	Consult Factory		
3/64	.045	Consult Factory		
.050	.050	Consult Factory		

Branches		Dimensions (Reference)		
Tube ID	Branch #	A Ref.	B Typ.	C Ref.
1/16	1	Consult Factory		
5/64 / 2mm	2	Consult Factory		
3/32	2 1/2	Consult Factory		
1/8	3	Consult Factory		
5/32 / 4mm	3 1/2	Consult Factory		
.170	4	Consult Factory		

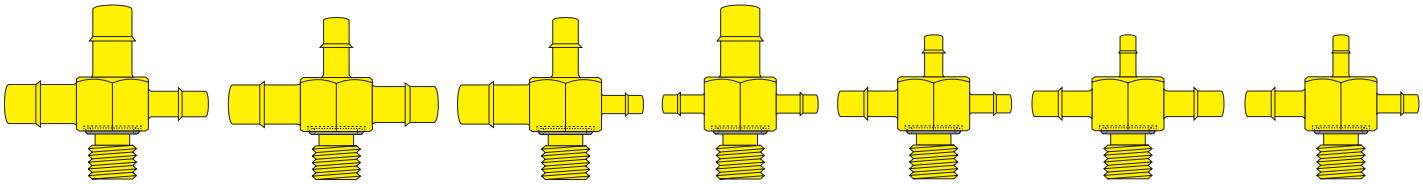
Branches		Dimensions (Reference)		
Tube ID	Branch #	A Ref.	B Typ.	C Ref.
3/16	5	Consult Factory		
7/32	5 1/2	Consult Factory		
6mm	5 3/4	Consult Factory		
1/4	6	Consult Factory		
5/16 / 8mm	7	Consult Factory		
3/8	8	Consult Factory		

O-Ring material options are listed on page 65!

.025 branch (1/50" tube ID) available by special request!

Part Numbers for 1/4-28 (4-28) Thread to Tube Reducing Tees x 3 with O-Rings Installed:

Thread Size → 4-28 (Fitting Series) RT # - # - # - O ← O-Ring Indicator
(# - 9 O'clock Branch; # - 12 O'clock Branch; # - 3 O'clock Branch)

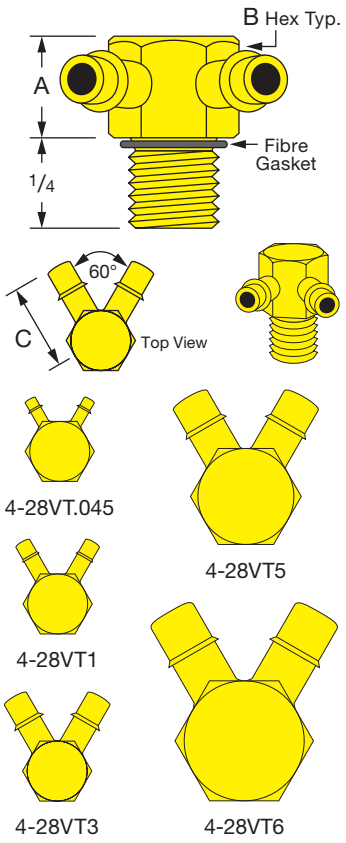


4-28RT5-5-3-O | 4-28RT5-3-4-O | 4-28RT5-3-2-O | 4-28RT2-5-2-O | 4-28RT3-2-2-O | 4-28RT3-1-3-O | 4-28RT3-1-2-O

Unless otherwise specified, parts will be Brass. To order other materials, please add the following codes to the part number:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

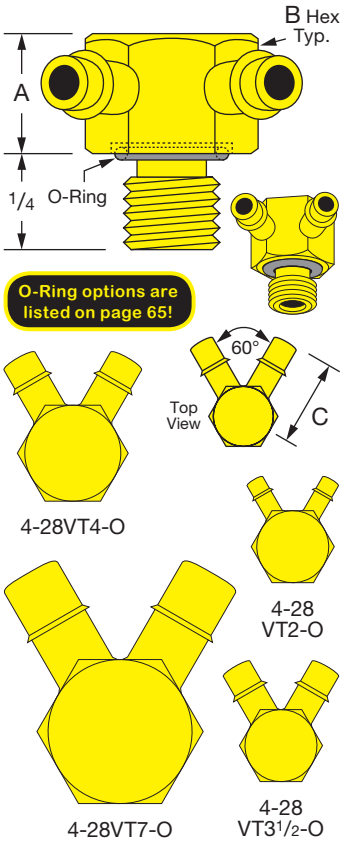
251 1/4-28 (4-28) Thread to Tube V-Tees with Fibre Gasket Supplied

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	4-28VT.031	4-28VT.031-SS	4-28VT.031-316SS	4-28VT.031-NP	1/8	5/16	Consult Factory
.040 / 1mm	4-28VT.040	4-28VT.040-SS	4-28VT.040-316SS	4-28VT.040-NP	1/8	5/16	
3/64	4-28VT.045	4-28VT.045-SS	4-28VT.045-316SS	4-28VT.045-NP	1/8	5/16	
.050	4-28VT.050	4-28VT.050-SS	4-28VT.050-316SS	4-28VT.050-NP	1/8	5/16	
1/16	4-28VT1	4-28VT1-SS	4-28VT1-316SS	4-28VT1-NP	9/32	5/16	
5/64 / 2mm	4-28VT2	4-28VT2-SS	4-28VT2-316SS	4-28VT2-NP	9/32	5/16	
3/32	4-28VT2 1/2	4-28VT2 1/2-SS	4-28VT2 1/2-316SS	4-28VT2 1/2-NP	9/32	5/16	
1/8	4-28VT3	4-28VT3-SS	4-28VT3-316SS	4-28VT3-NP	9/32	5/16	
5/32 / 4mm	4-28VT3 1/2	4-28VT3 1/2-SS	4-28VT3 1/2-316SS	4-28VT3 1/2-NP	9/32	3/8	
.170	4-28VT4	4-28VT4-SS	4-28VT4-316SS	4-28VT4-NP	9/32	1/2	
3/16	4-28VT5	4-28VT5-SS	4-28VT5-316SS	4-28VT5-NP	9/32	1/2	
7/32	4-28VT5 1/2	4-28VT5 1/2-SS	4-28VT5 1/2-316SS	4-28VT5 1/2-NP	9/32	1/2	
6mm	4-28VT5 3/4	4-28VT5 3/4-SS	4-28VT5 3/4-316SS	4-28VT5 3/4-NP	3/8	5/8	
1/4	4-28VT6	4-28VT6-SS	4-28VT6-316SS	4-28VT6-NP	3/8	5/8	
5/16 / 8mm	4-28VT7	4-28VT7-SS	4-28VT7-316SS	4-28VT7-NP	3/8	3/4	
3/8	4-28VT8	4-28VT8-SS	4-28VT8-316SS	4-28VT8-NP	3/8	3/4	

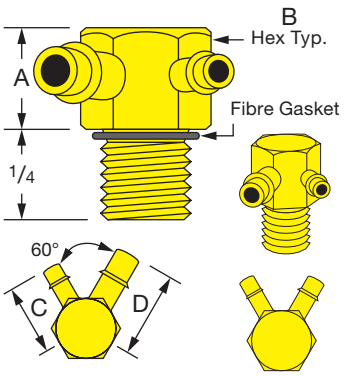


252 1/4-28 (4-28) Thread to Tube V-Tees with O-Ring Seal Installed

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	4-28VT.031-O	4-28VT.031-O-SS	4-28VT.031-O-316SS	4-28VT.031-O-NP	3/16	3/8	Consult Factory
.040 / 1mm	4-28VT.040-O	4-28VT.040-O-SS	4-28VT.040-O-316SS	4-28VT.040-O-NP	3/16	3/8	
3/64	4-28VT.045-O	4-28VT.045-O-SS	4-28VT.045-O-316SS	4-28VT.045-O-NP	3/16	3/8	
.050	4-28VT.050-O	4-28VT.050-O-SS	4-28VT.050-O-316SS	4-28VT.050-O-NP	3/16	3/8	
1/16	4-28VT1-O	4-28VT1-O-SS	4-28VT1-O-316SS	4-28VT1-O-NP	9/32	3/8	
5/64 / 2mm	4-28VT2-O	4-28VT2-O-SS	4-28VT2-O-316SS	4-28VT2-O-NP	9/32	3/8	
3/32	4-28VT2 1/2-O	4-28VT2 1/2-O-SS	4-28VT2 1/2-O-316SS	4-28VT2 1/2-O-NP	9/32	3/8	
1/8	4-28VT3-O	4-28VT3-O-SS	4-28VT3-O-316SS	4-28VT3-O-NP	9/32	3/8	
5/32 / 4mm	4-28VT3 1/2-O	4-28VT3 1/2-O-SS	4-28VT3 1/2-O-316SS	4-28VT3 1/2-O-NP	9/32	3/8	
.170	4-28VT4-O	4-28VT4-O-SS	4-28VT4-O-316SS	4-28VT4-O-NP	9/32	1/2	
3/16	4-28VT5-O	4-28VT5-O-SS	4-28VT5-O-316SS	4-28VT5-O-NP	9/32	1/2	
7/32	4-28VT5 1/2-O	4-28VT5 1/2-O-SS	4-28VT5 1/2-O-316SS	4-28VT5 1/2-O-NP	9/32	3/8	
6mm	4-28VT5 3/4-O	4-28VT5 3/4-O-SS	4-28VT5 3/4-O-316SS	4-28VT5 3/4-O-NP	3/8	5/8	
1/4	4-28VT6-O	4-28VT6-O-SS	4-28VT6-O-316SS	4-28VT6-O-NP	3/8	5/8	
5/16 / 8mm	4-28VT7-O	4-28VT7-O-SS	4-28VT7-O-316SS	4-28VT7-O-NP	3/8	3/4	
3/8	4-28VT8-O	4-28VT8-O-SS	4-28VT8-O-316SS	4-28VT8-O-NP	3/8	3/4	

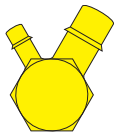


1/4-28 (4-28) Thread to Tube Reducing Left-Hand V-Tees with Fibre Gasket Supplied 253

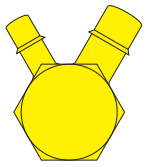


Top View: Left-hand Reducing V-Tees have the (smaller) Reducing Branch on the left.

4-28RVT
2-1-LH



4-28RVT4-2-LH



4-28RVT5-3-LH

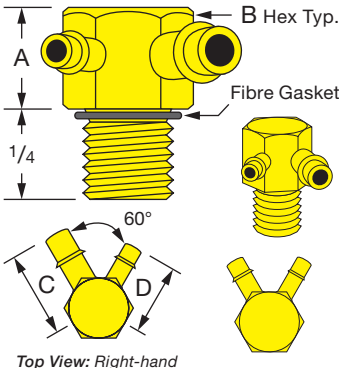
Branches		Dimensions (Reference)			
Tube ID	Branch #	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	Consult Factory		Consult Factory	
.040 / 1mm	.040	Consult Factory		Consult Factory	
3/64	.045	Consult Factory		Consult Factory	
.050	.050	Consult Factory		Consult Factory	
1/16	1	Consult Factory		Consult Factory	
5/64 / 2mm	2	Consult Factory		Consult Factory	
3/32	2 1/2	Consult Factory		Consult Factory	
1/8	3	Consult Factory		Consult Factory	

Branches		Dimensions (Reference)			
Tube ID	Branch #	A Ref.	B Typ.	C Ref.	D Ref.
5/32 / 4mm	3 1/2	Consult Factory		Consult Factory	
.170	4	Consult Factory		Consult Factory	
3/16	5	Consult Factory		Consult Factory	
7/32	5 1/2	Consult Factory		Consult Factory	
6mm	5 3/4	Consult Factory		Consult Factory	
1/4	6	Consult Factory		Consult Factory	
5/16 / 8mm	7	Consult Factory		Consult Factory	
3/8	8	Consult Factory		Consult Factory	

Part Numbers for 1/4-28 (4-28) Thread to Tube Reducing Left-Hand V-Tees:

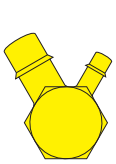
Thread Size → **4-28** (Fitting Series) **RVT** **#** (Larger Branch) **-** **#** (Smaller Branch) **-** **LH** ← Left-Hand Indicator

1/4-28 (4-28) Thread to Tube Reducing Right-Hand V-Tees with Fibre Gasket Supplied 254

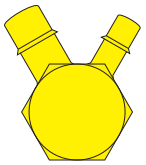


Top View: Right-hand Reducing V-Tees have the (smaller) Reducing Branch on the right.

4-28RVT
2-1-RH



4-28RVT4-2-RH



4-28RVT5-3-RH

Branches		Dimensions (Reference)			
Tube ID	Branch #	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	Consult Factory		Consult Factory	
.040 / 1mm	.040	Consult Factory		Consult Factory	
3/64	.045	Consult Factory		Consult Factory	
.050	.050	Consult Factory		Consult Factory	
1/16	1	Consult Factory		Consult Factory	
5/64 / 2mm	2	Consult Factory		Consult Factory	
3/32	2 1/2	Consult Factory		Consult Factory	
1/8	3	Consult Factory		Consult Factory	

Branches		Dimensions (Reference)			
Tube ID	Branch #	A Ref.	B Typ.	C Ref.	D Ref.
5/32 / 4mm	3 1/2	Consult Factory		Consult Factory	
.170	4	Consult Factory		Consult Factory	
3/16	5	Consult Factory		Consult Factory	
7/32	5 1/2	Consult Factory		Consult Factory	
6mm	5 3/4	Consult Factory		Consult Factory	
1/4	6	Consult Factory		Consult Factory	
5/16 / 8mm	7	Consult Factory		Consult Factory	
3/8	8	Consult Factory		Consult Factory	

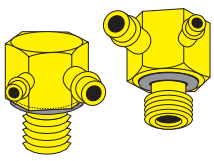
Part Numbers for 1/4-28 (4-28) Thread to Tube Reducing Right-Hand V-Tees:

Thread Size → **4-28** (Fitting Series) **RVT** **#** (Larger Branch) **-** **#** (Smaller Branch) **-** **RH** ← Right-Hand Indicator

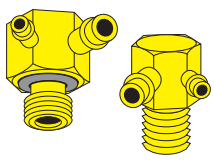
1/4-28 Male Thread Adjustable fittings also available! Consult factory for details!

Unless otherwise specified, parts will be Brass. To order other materials, use the following codes:
-SS = Stainless Steel 303 **-316SS** = Stainless Steel 316 **-NP** = Electroless Nickel Plate

O-Ring options available! Consult factory for details!

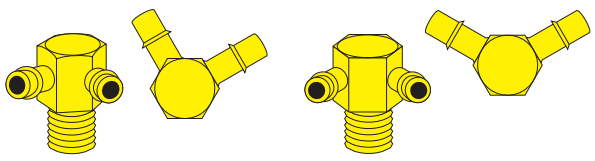


O-Ring options on page 65!



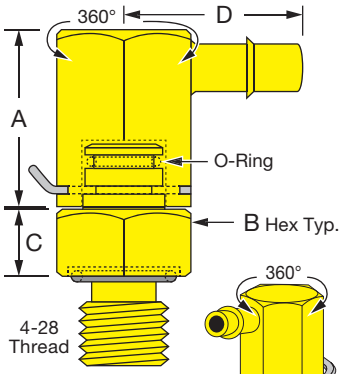
Lead times & minimum quantities apply!

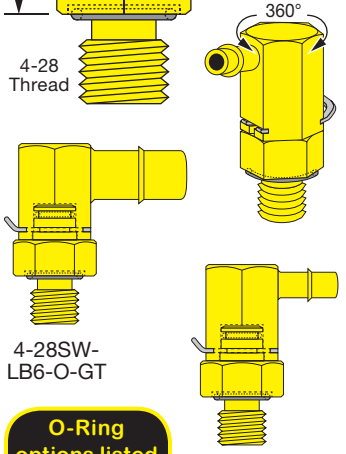
90° & 120° V-Tees available! Consult factory for details!



255 1/4-28 (4-28) Thread to Tube Swivel Elbows with Clip Groove

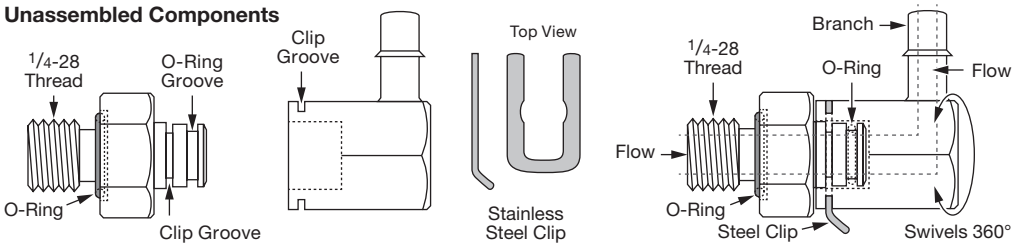
Tube ID	Part Numbers				Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/32	4-28SW-LB.031-O-GT	4-28SW-LB.031-O-GT-SS	4-28SW-LB.031-O-GT-316SS	4-28SW-LB.031-O-GT-NP	1/2	3/8	3/16	11/16
.040 / 1mm	4-28SW-LB.040-O-GT	4-28SW-LB.040-O-GT-SS	4-28SW-LB.040-O-GT-316SS	4-28SW-LB.040-O-GT-NP	1/2	3/8	3/16	11/16
3/64	4-28SW-LB.045-O-GT	4-28SW-LB.045-O-GT-SS	4-28SW-LB.045-O-GT-316SS	4-28SW-LB.045-O-GT-NP	1/2	3/8	3/16	11/16
.050	4-28SW-LB.050-O-GT	4-28SW-LB.050-O-GT-SS	4-28SW-LB.050-O-GT-316SS	4-28SW-LB.050-O-GT-NP	1/2	3/8	3/16	11/16
1/16	4-28SW-LB1-O-GT	4-28SW-LB1-O-GT-SS	4-28SW-LB1-O-GT-316SS	4-28SW-LB1-O-GT-NP	1/2	3/8	3/16	13/16
5/64 / 2mm	4-28SW-LB2-O-GT	4-28SW-LB2-O-GT-SS	4-28SW-LB2-O-GT-316SS	4-28SW-LB2-O-GT-NP	1/2	3/8	3/16	13/16
3/32	4-28SW-LB2 1/2-O-GT	4-28SW-LB2 1/2-O-GT-SS	4-28SW-LB2 1/2-O-GT-316SS	4-28SW-LB2 1/2-O-GT-NP	1/2	3/8	3/16	13/16
1/8	4-28SW-LB3-O-GT	4-28SW-LB3-O-GT-SS	4-28SW-LB3-O-GT-316SS	4-28SW-LB3-O-GT-NP	1/2	3/8	3/16	1
5/32 / 4mm	4-28SW-LB3 1/2-O-GT	4-28SW-LB3 1/2-O-GT-SS	4-28SW-LB3 1/2-O-GT-316SS	4-28SW-LB3 1/2-O-GT-NP	1/2	3/8	3/16	1
.170	4-28SW-LB4-O-GT	4-28SW-LB4-O-GT-SS	4-28SW-LB4-O-GT-316SS	4-28SW-LB4-O-GT-NP	1/2	3/8	3/16	1 1/16
3/16	4-28SW-LB5-O-GT	4-28SW-LB5-O-GT-SS	4-28SW-LB5-O-GT-316SS	4-28SW-LB5-O-GT-NP	1/2	3/8	3/16	1 1/8
7/32	4-28SW-LB5 1/2-O-GT	4-28SW-LB5 1/2-O-GT-SS	4-28SW-LB5 1/2-O-GT-316SS	4-28SW-LB5 1/2-O-GT-NP	1/2	3/8	3/16	1 1/8
6mm	4-28SW-LB5 3/4-O-GT	4-28SW-LB5 3/4-O-GT-SS	4-28SW-LB5 3/4-O-GT-316SS	4-28SW-LB5 3/4-O-GT-NP	1/2	3/8	3/16	1 3/8
1/4	4-28SW-LB6-O-GT	4-28SW-LB6-O-GT-SS	4-28SW-LB6-O-GT-316SS	4-28SW-LB6-O-GT-NP	1/2	3/8	3/16	1 3/8

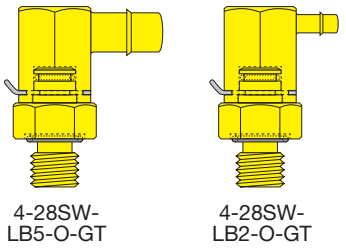




O-Ring options listed on page 65!

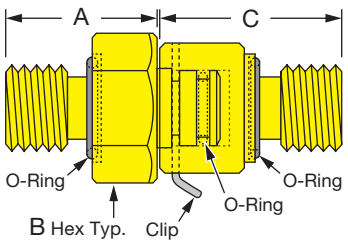
Unassembled Components



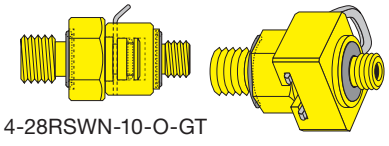


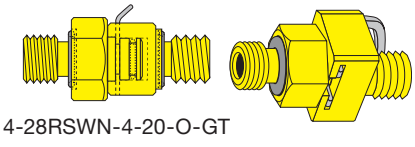
256 1/4-28 (4-28) Thread Swivel Nipples and Reducing Swivel Nipples

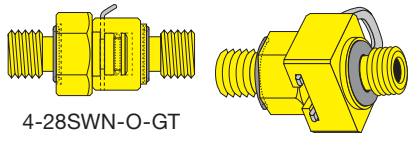
9 O'clock Thread Size	3 O'clock Thread Size	Part Numbers					Dimensions (Reference)		
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/4-28	1/4-28	4-28SWN-O-GT	4-28SWN-O-GT-SS	4-28SWN-O-GT-316SS	4-28SWN-O-GT-AL	4-28SWN-O-GT-NP	Consult Factory		
1/4-28	1/4-20	4-28RSWN-4-20-O-GT	4-28RSWN-4-20-O-GT-SS	4-28RSWN-4-20-O-GT-316SS	4-28RSWN-4-20-O-GT-AL	4-28RSWN-4-20-O-GT-NP	Consult Factory		
1/4-28	10-32	4-28RSWN-10-O-GT	4-28RSWN-10-O-GT-SS	4-28RSWN-10-O-GT-316SS	4-28RSWN-10-O-GT-AL	4-28RSWN-10-O-GT-NP	Consult Factory		



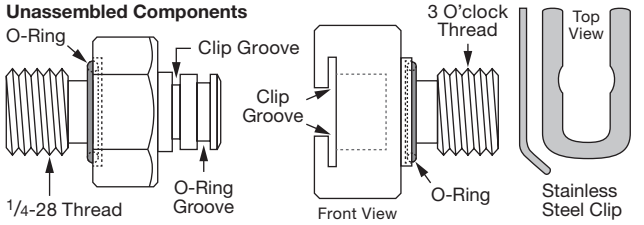
Metric Threads available upon request!







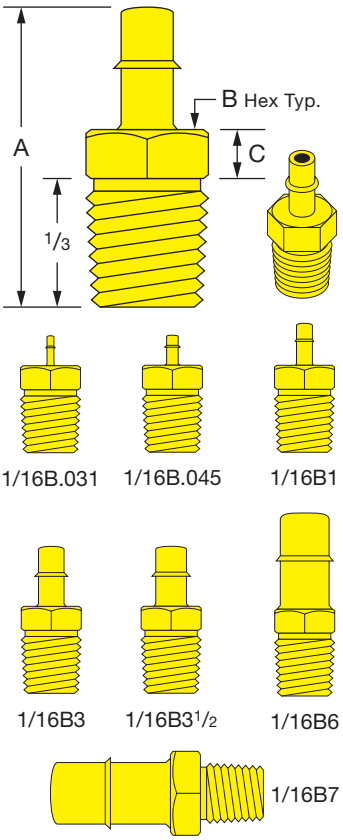
Unassembled Components



Supplied with Buna-N O-Rings! Other O-Ring options listed on page 65!

Other Swivel fittings and GT Series options available! Consult factory for details!

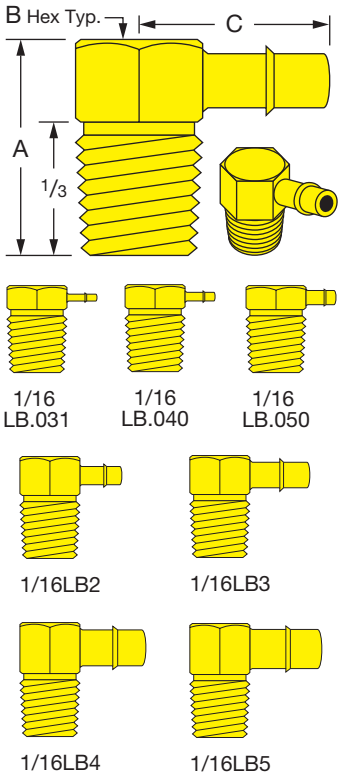
1/16 NPT Male Thread to Tube Straight Fittings 257



Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/16B.031	1/16B.031-SS	1/16B.031-316SS	N/A	1/16B.031-NP	39/64	5/16	1/8
.040 / 1mm	1/16B.040	1/16B.040-SS	1/16B.040-316SS	N/A	1/16B.040-NP	39/64	5/16	1/8
3/64	1/16B.045	1/16B.045-SS	1/16B.045-316SS	N/A	1/16B.045-NP	39/64	5/16	1/8
.050	1/16B.050	1/16B.050-SS	1/16B.050-316SS	N/A	1/16B.050-NP	39/64	5/16	1/8
1/16	1/16B1	1/16B1-SS	1/16B1-316SS	1/16B1-AL	1/16B1-NP	43/64	5/16	1/8
5/64 / 2mm	1/16B2	1/16B2-SS	1/16B2-316SS	1/16B2-AL	1/16B2-NP	43/64	5/16	1/8
3/32	1/16B2 1/2	1/16B2 1/2-SS	1/16B2 1/2-316SS	1/16B2 1/2-AL	1/16B2 1/2-NP	43/64	5/16	1/8
1/8	1/16B3	1/16B3-SS	1/16B3-316SS	1/16B3-AL	1/16B3-NP	49/64	5/16	1/8
5/32 / 4mm	1/16B3 1/2	1/16B3 1/2-SS	1/16B3 1/2-316SS	1/16B3 1/2-AL	1/16B3 1/2-NP	49/64	5/16	1/8
.170	1/16B4	1/16B4-SS	1/16B4-316SS	1/16B4-AL	1/16B4-NP	49/64	5/16	1/8
3/16	1/16B5	1/16B5-SS	1/16B5-316SS	1/16B5-AL	1/16B5-NP	53/64	5/16	1/8
7/32	1/16B5 1/2	1/16B5 1/2-SS	1/16B5 1/2-316SS	1/16B5 1/2-AL	1/16B5 1/2-NP	53/64	5/16	1/8
6mm	1/16B5 3/4	1/16B5 3/4-SS	1/16B5 3/4-316SS	1/16B5 3/4-AL	1/16B5 3/4-NP	61/64	5/16	1/8
1/4	1/16B6	1/16B6-SS	1/16B6-316SS	1/16B6-AL	1/16B6-NP	61/64	5/16	1/8
5/16 / 8mm	1/16B7	1/16B7-SS	1/16B7-316SS	1/16B7-AL	1/16B7-NP	1 7/64	7/16	5/32
3/8	1/16B8	1/16B8-SS	1/16B8-316SS	1/16B8-AL	1/16B8-NP	1 1/32	1/2	5/32

Multi-Branch Straight Manifolds available! Lead times & minimum quantities apply. Consult factory for details! Other Branch sizes available!

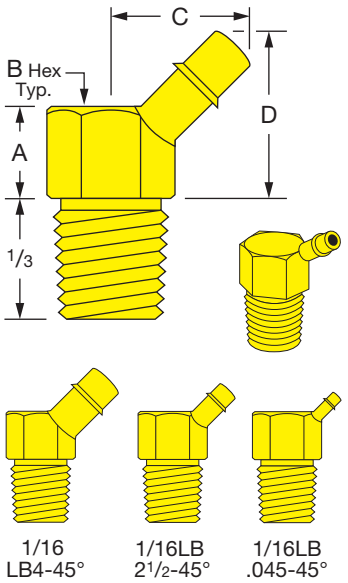
1/16 NPT Male Thread to Tube Elbows 258



Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/16LB.031	1/16LB.031-SS	1/16LB.031-316SS	1/16LB.031-NP	29/64	5/16	5/16
.040 / 1mm	1/16LB.040	1/16LB.040-SS	1/16LB.040-316SS	1/16LB.040-NP	29/64	5/16	5/16
3/64	1/16LB.045	1/16LB.045-SS	1/16LB.045-316SS	1/16LB.045-NP	29/64	5/16	5/16
.050	1/16LB.050	1/16LB.050-SS	1/16LB.050-316SS	1/16LB.050-NP	29/64	5/16	5/16
1/16	1/16LB1	1/16LB1-SS	1/16LB1-316SS	1/16LB1-NP	17/32	5/16	3/8
5/64 / 2mm	1/16LB2	1/16LB2-SS	1/16LB2-316SS	1/16LB2-NP	17/32	5/16	3/8
3/32	1/16LB2 1/2	1/16LB2 1/2-SS	1/16LB2 1/2-316SS	1/16LB2 1/2-NP	17/32	5/16	3/8
1/8	1/16LB3	1/16LB3-SS	1/16LB3-316SS	1/16LB3-NP	17/32	5/16	15/32
5/32 / 4mm	1/16LB3 1/2	1/16LB3 1/2-SS	1/16LB3 1/2-316SS	1/16LB3 1/2-NP	17/32	5/16	15/32
.170	1/16LB4	1/16LB4-SS	1/16LB4-316SS	1/16LB4-NP	19/32	5/16	1/2
3/16	1/16LB5	1/16LB5-SS	1/16LB5-316SS	1/16LB5-NP	19/32	5/16	17/32
7/32	1/16LB5 1/2	1/16LB5 1/2-SS	1/16LB5 1/2-316SS	1/16LB5 1/2-NP	19/32	5/16	17/32
6mm	1/16LB5 3/4	1/16LB5 3/4-SS	1/16LB5 3/4-316SS	1/16LB5 3/4-NP	19/32	5/16	11/16
1/4	1/16LB6	1/16LB6-SS	1/16LB6-316SS	1/16LB6-NP	19/32	5/16	11/16

259 — 1/16 NPT Male Thread to Tube 45° Elbows

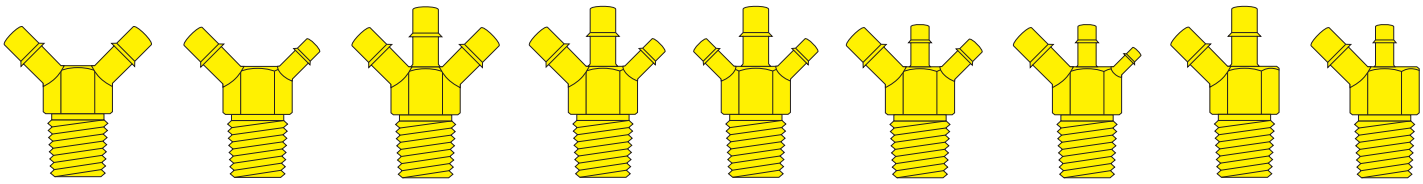
Tube ID	Part Numbers				Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/32	1/16LB.031-45°	1/16LB.031-45°-SS	1/16LB.031-45°-316SS	1/16LB.031-45°-NP	1/4	5/16	Consult Factory	Consult Factory
.040 / 1mm	1/16LB.040-45°	1/16LB.040-45°-SS	1/16LB.040-45°-316SS	1/16LB.040-45°-NP	1/4	5/16		
3/64	1/16LB.045-45°	1/16LB.045-45°-SS	1/16LB.045-45°-316SS	1/16LB.045-45°-NP	1/4	5/16		
.050	1/16LB.050-45°	1/16LB.050-45°-SS	1/16LB.050-45°-316SS	1/16LB.050-45°-NP	1/4	5/16		
1/16	1/16LB1-45°	1/16LB1-45°-SS	1/16LB1-45°-316SS	1/16LB1-45°-NP	1/4	5/16		
5/64 / 2mm	1/16LB2-45°	1/16LB2-45°-SS	1/16LB2-45°-316SS	1/16LB2-45°-NP	1/4	5/16		
3/32	1/16LB2 1/2-45°	1/16LB2 1/2-45°-SS	1/16LB2 1/2-45°-316SS	1/16LB2 1/2-45°-NP	1/4	5/16		
1/8	1/16LB3-45°	1/16LB3-45°-SS	1/16LB3-45°-316SS	1/16LB3-45°-NP	1/4	5/16		
5/32 / 4mm	1/16LB3 1/2-45°	1/16LB3 1/2-45°-SS	1/16LB3 1/2-45°-316SS	1/16LB3 1/2-45°-NP	1/4	5/16		
.170	1/16LB4-45°	1/16LB4-45°-SS	1/16LB4-45°-316SS	1/16LB4-45°-NP	1/4	5/16		



1/16 LB4-45° | 1/16LB 2 1/2-45° | 1/16LB .045-45°

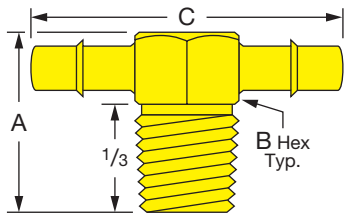
Note: for systems that do not allow the degree symbol (°) to be used, it can be substituted with the designation 'DEG' in the part number.

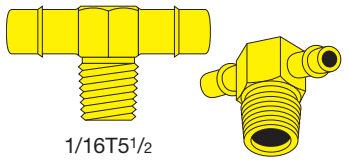
Custom 1/16 NPT Male Thread to Tube fittings available! Lead times apply! Consult factory for details!



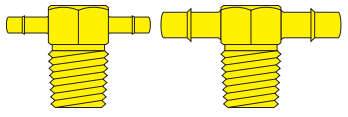
260 — 1/16 NPT Male Thread to Tube Tees

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/16T.031	1/16T.031-SS	1/16T.031-316SS	1/16T.031-NP	29/64	5/16	5/8
.040 / 1mm	1/16T.040	1/16T.040-SS	1/16T.040-316SS	1/16T.040-NP	29/64	5/16	5/8
3/64	1/16T.045	1/16T.045-SS	1/16T.045-316SS	1/16T.045-NP	29/64	5/16	5/8
.050	1/16T.050	1/16T.050-SS	1/16T.050-316SS	1/16T.050-NP	29/64	5/16	5/8
1/16	1/16T1	1/16T1-SS	1/16T1-316SS	1/16T1-NP	17/32	5/16	3/4
5/64 / 2mm	1/16T2	1/16T2-SS	1/16T2-316SS	1/16T2-NP	17/32	5/16	3/4
3/32	1/16T2 1/2	1/16T2 1/2-SS	1/16T2 1/2-316SS	1/16T2 1/2-NP	17/32	5/16	3/8
1/8	1/16T3	1/16T3-SS	1/16T3-316SS	1/16T3-NP	17/32	5/16	15/16
5/32 / 4mm	1/16T3 1/2	1/16T3 1/2-SS	1/16T3 1/2-316SS	1/16T3 1/2-NP	17/32	5/16	15/16
.170	1/16T4	1/16T4-SS	1/16T4-316SS	1/16T4-NP	19/32	5/16	1
3/16	1/16T5	1/16T5-SS	1/16T5-316SS	1/16T5-NP	19/32	5/16	1 1/16
7/32	1/16T5 1/2	1/16T5 1/2-SS	1/16T5 1/2-316SS	1/16T5 1/2-NP	19/32	5/16	1 1/16
6mm	1/16T5 3/4	1/16T5 3/4-SS	1/16T5 3/4-316SS	1/16T5 3/4-NP	19/32	5/16	1 3/8
1/4	1/16T6	1/16T6-SS	1/16T6-316SS	1/16T6-NP	19/32	5/16	1 3/8

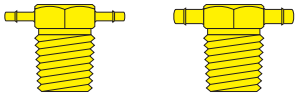




1/16T5 1/2



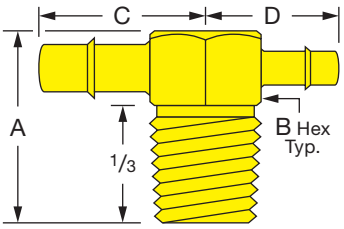
1/16T1 | 1/16T3

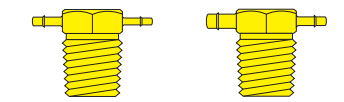


1/16T.040 | 1/16T.050

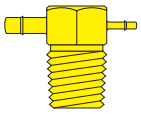
Note: *Images are for visual representation only; not intended for dimensional measurements.*

1/16 NPT Male Thread to Tube Reducing Tees 261




1/16RT .040-.031

1/16RT .050-.040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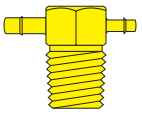
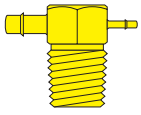

1/16RT1-.045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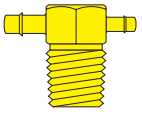
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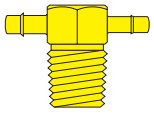
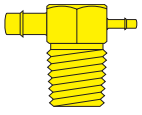

1/16RT2-1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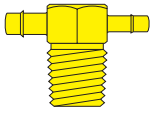
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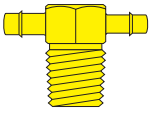
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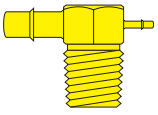
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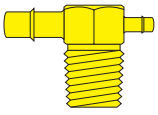
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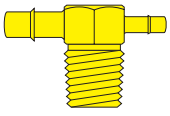
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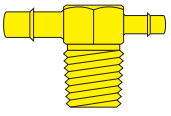
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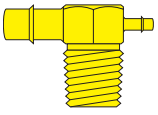
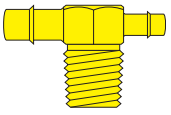
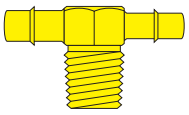
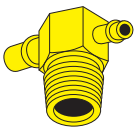

1/16RT3½-.045


1/16RT3½-2½


1/16RT3½-3



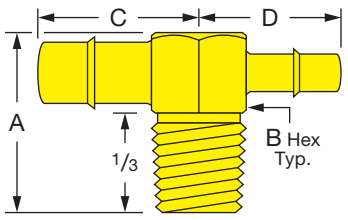
Note: *Dimensions may vary at time of manufacturing.*

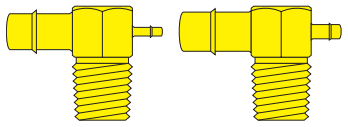
Continued on next page.

Tube ID		Part Numbers				Dimensions (Reference)			
Larger Branch	Smaller Branch	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
.040 / 1mm	1/32	1/16RT.040-.031	1/16RT.040-.031-SS	1/16RT.040-.031-316SS	1/16RT.040-.031-NP	29/64	5/16	5/16	5/16
3/64	1/32	1/16RT.045-.031	1/16RT.045-.031-SS	1/16RT.045-.031-316SS	1/16RT.045-.031-NP	29/64	5/16	5/16	5/16
3/64	.040 / 1mm	1/16RT.045-.040	1/16RT.045-.040-SS	1/16RT.045-.040-316SS	1/16RT.045-.040-NP	29/64	5/16	5/16	5/16
.050	1/32	1/16RT.050-.031	1/16RT.050-.031-SS	1/16RT.050-.031-316SS	1/16RT.050-.031-NP	29/64	5/16	5/16	5/16
.050	.040 / 1mm	1/16RT.050-.040	1/16RT.050-.040-SS	1/16RT.050-.040-316SS	1/16RT.050-.040-NP	29/64	5/16	5/16	5/16
.050	1/64	1/16RT.050-.045	1/16RT.050-.045-SS	1/16RT.050-.045-316SS	1/16RT.050-.045-NP	29/64	5/16	5/16	5/16
1/16	1/32	1/16RT1-.031	1/16RT1-.031-SS	1/16RT1-.031-316SS	1/16RT1-.031-NP	17/32	5/16	3/8	5/16
1/16	.040 / 1mm	1/16RT1-.040	1/16RT1-.040-SS	1/16RT1-.040-316SS	1/16RT1-.040-NP	17/32	5/16	3/8	5/16
1/16	3/64	1/16RT1-.045	1/16RT1-.045-SS	1/16RT1-.045-316SS	1/16RT1-.045-NP	17/32	5/16	3/8	5/16
1/16	.050	1/16RT1-.050	1/16RT1-.050-SS	1/16RT1-.050-316SS	1/16RT1-.050-NP	17/32	5/16	3/8	5/16
5/64 / 2mm	1/32	1/16RT2-.031	1/16RT2-.031-SS	1/16RT2-.031-316SS	1/16RT2-.031-NP	17/32	5/16	3/8	5/16
5/64 / 2mm	.040 / 1mm	1/16RT2-.040	1/16RT2-.040-SS	1/16RT2-.040-316SS	1/16RT2-.040-NP	17/32	5/16	3/8	5/16
5/64 / 2mm	3/64	1/16RT2-.045	1/16RT2-.045-SS	1/16RT2-.045-316SS	1/16RT2-.045-NP	17/32	5/16	3/8	5/16
5/64 / 2mm	.050	1/16RT2-.050	1/16RT2-.050-SS	1/16RT2-.050-316SS	1/16RT2-.050-NP	17/32	5/16	3/8	5/16
5/64 / 2mm	1/16	1/16RT2-1	1/16RT2-1-SS	1/16RT2-1-316SS	1/16RT2-1-NP	17/32	5/16	3/8	3/8
3/32	1/32	1/16RT2½-.031	1/16RT2½-.031-SS	1/16RT2½-.031-316SS	1/16RT2½-.031-NP	17/32	5/16	3/8	5/16
3/32	.040 / 1mm	1/16RT2½-.040	1/16RT2½-.040-SS	1/16RT2½-.040-316SS	1/16RT2½-.040-NP	17/32	5/16	3/8	5/16
3/32	3/64	1/16RT2½-.045	1/16RT2½-.045-SS	1/16RT2½-.045-316SS	1/16RT2½-.045-NP	17/32	5/16	3/8	5/16
3/32	.050	1/16RT2½-.050	1/16RT2½-.050-SS	1/16RT2½-.050-316SS	1/16RT2½-.050-NP	17/32	5/16	3/8	5/16
3/32	1/16	1/16RT2½-1	1/16RT2½-1-SS	1/16RT2½-1-316SS	1/16RT2½-1-NP	17/32	5/16	3/8	3/8
3/32	5/64 / 2mm	1/16RT2½-2	1/16RT2½-2-SS	1/16RT2½-2-316SS	1/16RT2½-2-NP	17/32	5/16	3/8	3/8
1/8	1/32	1/16RT3-.031	1/16RT3-.031-SS	1/16RT3-.031-316SS	1/16RT3-.031-NP	17/32	5/16	15/32	5/16
1/8	.040 / 1mm	1/16RT3-.040	1/16RT3-.040-SS	1/16RT3-.040-316SS	1/16RT3-.040-NP	17/32	5/16	15/32	5/16
1/8	3/64	1/16RT3-.045	1/16RT3-.045-SS	1/16RT3-.045-316SS	1/16RT3-.045-NP	17/32	5/16	15/32	5/16
1/8	.050	1/16RT3-.050	1/16RT3-.050-SS	1/16RT3-.050-316SS	1/16RT3-.050-NP	17/32	5/16	15/32	5/16
1/8	1/16	1/16RT3-1	1/16RT3-1-SS	1/16RT3-1-316SS	1/16RT3-1-NP	17/32	5/16	15/32	3/8
1/8	5/64 / 2mm	1/16RT3-2	1/16RT3-2-SS	1/16RT3-2-316SS	1/16RT3-2-NP	17/32	5/16	15/32	3/8
1/8	3/32	1/16RT3-2½	1/16RT3-2½-SS	1/16RT3-2½-316SS	1/16RT3-2½-NP	17/32	5/16	15/32	3/8
5/32 / 4mm	1/32	1/16RT3½-.031	1/16RT3½-.031-SS	1/16RT3½-.031-316SS	1/16RT3½-.031-NP	17/32	5/16	15/32	5/16
5/32 / 4mm	.040 / 1mm	1/16RT3½-.040	1/16RT3½-.040-SS	1/16RT3½-.040-316SS	1/16RT3½-.040-NP	17/32	5/16	15/32	5/16
5/32 / 4mm	3/64	1/16RT3½-.045	1/16RT3½-.045-SS	1/16RT3½-.045-316SS	1/16RT3½-.045-NP	17/32	5/16	15/32	5/16
5/32 / 4mm	.050	1/16RT3½-.050	1/16RT3½-.050-SS	1/16RT3½-.050-316SS	1/16RT3½-.050-NP	17/32	5/16	15/32	5/16
5/32 / 4mm	1/16	1/16RT3½-1	1/16RT3½-1-SS	1/16RT3½-1-316SS	1/16RT3½-1-NP	17/32	5/16	15/32	3/8
5/32 / 4mm	5/64 / 2mm	1/16RT3½-2	1/16RT3½-2-SS	1/16RT3½-2-316SS	1/16RT3½-2-NP	17/32	5/16	15/32	3/8
5/32 / 4mm	3/32	1/16RT3½-2½	1/16RT3½-2½-SS	1/16RT3½-2½-316SS	1/16RT3½-2½-NP	17/32	5/16	15/32	3/8
5/32 / 4mm	1/8	1/16RT3½-3	1/16RT3½-3-SS	1/16RT3½-3-316SS	1/16RT3½-3-NP	17/32	5/16	15/32	15/32
.170	1/32	1/16RT4-.031	1/16RT4-.031-SS	1/16RT4-.031-316SS	1/16RT4-.031-NP	19/32	5/16	1/2	5/16
.170	.040 / 1mm	1/16RT4-.040	1/16RT4-.040-SS	1/16RT4-.040-316SS	1/16RT4-.040-NP	19/32	5/16	1/2	5/16
.170	3/64	1/16RT4-.045	1/16RT4-.045-SS	1/16RT4-.045-316SS	1/16RT4-.045-NP	19/32	5/16	1/2	5/16
.170	.050	1/16RT4-.050	1/16RT4-.050-SS	1/16RT4-.050-316SS	1/16RT4-.050-NP	19/32	5/16	1/2	5/16

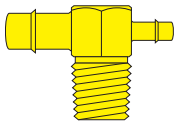
262 1/16 NPT Male Thread to Tube Reducing Tees (cont.)

Tube ID		Part Numbers				Dimensions (Reference)			
Larger Branch	Smaller Branch	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
.170	1/16	1/16RT4-1	1/16RT4-1-SS	1/16RT4-1-316SS	1/16RT4-1-NP	19/32	5/16	1/2	3/8
.170	5/64 / 2mm	1/16RT4-2	1/16RT4-2-SS	1/16RT4-2-316SS	1/16RT4-2-NP	19/32	5/16	1/2	3/8
.170	3/32	1/16RT4-2 1/2	1/16RT4-2 1/2-SS	1/16RT4-2 1/2-316SS	1/16RT4-2 1/2-NP	19/32	5/16	1/2	3/8
.170	1/8	1/16RT4-3	1/16RT4-3-SS	1/16RT4-3-316SS	1/16RT4-3-NP	19/32	5/16	1/2	15/32
.170	5/32 / 4mm	1/16RT4-3 1/2	1/16RT4-3 1/2-SS	1/16RT4-3 1/2-316SS	1/16RT4-3 1/2-NP	19/32	5/16	1/2	15/32
13/64	1/32	1/16RT5-.031	1/16RT5-.031-SS	1/16RT5-.031-316SS	1/16RT5-.031-NP	19/32	5/16	17/32	5/16
13/64	.040 / 1mm	1/16RT5-.040	1/16RT5-.040-SS	1/16RT5-.040-316SS	1/16RT5-.040-NP	19/32	5/16	17/32	5/16
13/64	3/64	1/16RT5-.045	1/16RT5-.045-SS	1/16RT5-.045-316SS	1/16RT5-.045-NP	19/32	5/16	17/32	5/16
13/64	.050	1/16RT5-.050	1/16RT5-.050-SS	1/16RT5-.050-316SS	1/16RT5-.050-NP	19/32	5/16	17/32	5/16
13/64	1/16	1/16RT5-1	1/16RT5-1-SS	1/16RT5-1-316SS	1/16RT5-1-NP	19/32	5/16	17/32	3/8
13/64	5/64 / 2mm	1/16RT5-2	1/16RT5-2-SS	1/16RT5-2-316SS	1/16RT5-2-NP	19/32	5/16	17/32	3/8
13/64	3/32	1/16RT5-2 1/2	1/16RT5-2 1/2-SS	1/16RT5-2 1/2-316SS	1/16RT5-2 1/2-NP	19/32	5/16	17/32	3/8
13/64	1/8	1/16RT5-3	1/16RT5-3-SS	1/16RT5-3-316SS	1/16RT5-3-NP	19/32	5/16	17/32	15/32
13/64	5/32 / 4mm	1/16RT5-3 1/2	1/16RT5-3 1/2-SS	1/16RT5-3 1/2-316SS	1/16RT5-3 1/2-NP	19/32	5/16	17/32	15/32
13/64	.170	1/16RT5-4	1/16RT5-4-SS	1/16RT5-4-316SS	1/16RT5-4-NP	19/32	5/16	17/32	1/2
7/32	1/16	1/16RT5 1/2-1	1/16RT5 1/2-1-SS	1/16RT5 1/2-1-316SS	1/16RT5 1/2-1-NP	19/32	5/16	17/32	3/8
7/32	5/64 / 2mm	1/16RT5 1/2-2	1/16RT5 1/2-2-SS	1/16RT5 1/2-2-316SS	1/16RT5 1/2-2-NP	19/32	5/16	17/32	3/8
7/32	3/32	1/16RT5 1/2-2 1/2	1/16RT5 1/2-2 1/2-SS	1/16RT5 1/2-2 1/2-316SS	1/16RT5 1/2-2 1/2-NP	19/32	5/16	17/32	3/8
7/32	1/8	1/16RT5 1/2-3	1/16RT5 1/2-3-SS	1/16RT5 1/2-3-316SS	1/16RT5 1/2-3-NP	19/32	5/16	17/32	15/32
7/32	5/32 / 4mm	1/16RT5 1/2-3 1/2	1/16RT5 1/2-3 1/2-SS	1/16RT5 1/2-3 1/2-316SS	1/16RT5 1/2-3 1/2-NP	19/32	5/16	17/32	15/32
7/32	.170	1/16RT5 1/2-4	1/16RT5 1/2-4-SS	1/16RT5 1/2-4-316SS	1/16RT5 1/2-4-NP	19/32	5/16	17/32	15/32
7/32	13/64	1/16RT5 1/2-5	1/16RT5 1/2-5-SS	1/16RT5 1/2-5-316SS	1/16RT5 1/2-5-NP	19/32	5/16	17/32	17/32
6mm	1/16	1/16RT5 3/4-1	1/16RT5 3/4-1-SS	1/16RT5 3/4-1-316SS	1/16RT5 3/4-1-NP	19/32	5/16	11/16	13/32
6mm	5/64 / 2mm	1/16RT5 3/4-2	1/16RT5 3/4-2-SS	1/16RT5 3/4-2-316SS	1/16RT5 3/4-2-NP	19/32	5/16	11/16	13/32
6mm	3/32	1/16RT5 3/4-2 1/2	1/16RT5 3/4-2 1/2-SS	1/16RT5 3/4-2 1/2-316SS	1/16RT5 3/4-2 1/2-NP	19/32	5/16	11/16	13/32
6mm	1/8	1/16RT5 3/4-3	1/16RT5 3/4-3-SS	1/16RT5 3/4-3-316SS	1/16RT5 3/4-3-NP	19/32	5/16	11/16	15/32
6mm	5/32 / 4mm	1/16RT5 3/4-3 1/2	1/16RT5 3/4-3 1/2-SS	1/16RT5 3/4-3 1/2-316SS	1/16RT5 3/4-3 1/2-NP	19/32	5/16	11/16	15/32
6mm	.170	1/16RT5 3/4-4	1/16RT5 3/4-4-SS	1/16RT5 3/4-4-316SS	1/16RT5 3/4-4-NP	19/32	5/16	11/16	1/2
6mm	13/64	1/16RT5 3/4-5	1/16RT5 3/4-5-SS	1/16RT5 3/4-5-316SS	1/16RT5 3/4-5-NP	19/32	5/16	11/16	9/16
6mm	7/32	1/16RT5 3/4-5 1/2	1/16RT5 3/4-5 1/2-SS	1/16RT5 3/4-5 1/2-316SS	1/16RT5 3/4-5 1/2-NP	19/32	5/16	11/16	9/16
1/4	1/16	1/16RT6-1	1/16RT6-1-SS	1/16RT6-1-316SS	1/16RT6-1-NP	19/32	5/16	11/16	13/32
1/4	5/64 / 2mm	1/16RT6-2	1/16RT6-2-SS	1/16RT6-2-316SS	1/16RT6-2-NP	19/32	5/16	11/16	13/32
1/4	3/32	1/16RT6-2 1/2	1/16RT6-2 1/2-SS	1/16RT6-2 1/2-316SS	1/16RT6-2 1/2-NP	19/32	5/16	11/16	13/32
1/4	1/8	1/16RT6-3	1/16RT6-3-SS	1/16RT6-3-316SS	1/16RT6-3-NP	19/32	5/16	11/16	15/32
1/4	5/32 / 4mm	1/16RT6-3 1/2	1/16RT6-3 1/2-SS	1/16RT6-3 1/2-316SS	1/16RT6-3 1/2-NP	19/32	5/16	11/16	15/32
1/4	.170	1/16RT6-4	1/16RT6-4-SS	1/16RT6-4-316SS	1/16RT6-4-NP	19/32	5/16	11/16	1/2
1/4	13/64	1/16RT6-5	1/16RT6-5-SS	1/16RT6-5-316SS	1/16RT6-5-NP	19/32	5/16	11/16	9/16
1/4	7/32	1/16RT6-5 1/2	1/16RT6-5 1/2-SS	1/16RT6-5 1/2-316SS	1/16RT6-5 1/2-NP	19/32	5/16	11/16	9/16
1/4	6mm	1/16RT6-5 3/4	1/16RT6-5 3/4-SS	1/16RT6-5 3/4-316SS	1/16RT6-5 3/4-NP	19/32	5/16	11/16	11/16

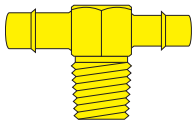




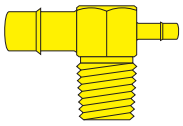
1/16RT4-.040 1/16RT5-.050



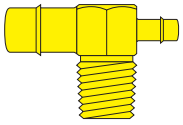
1/16RT4-2



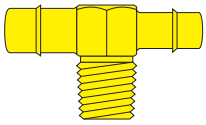
1/16RT4-3 1/2



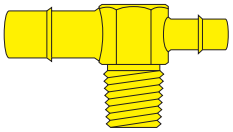
1/16RT5-1



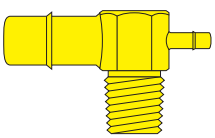
1/16RT5 1/2-2 1/2



1/16RT5 1/2-4



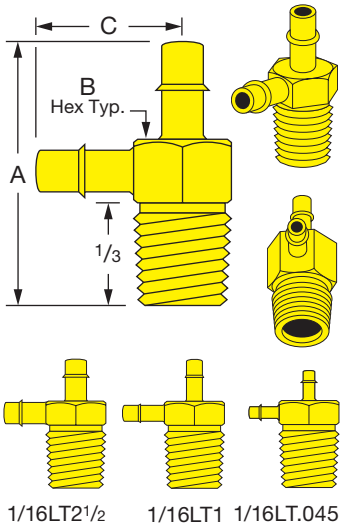
1/16RT5 3/4-3 1/2



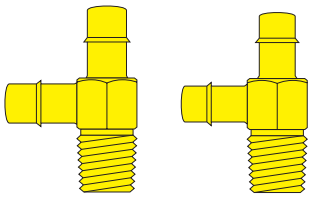
1/16RT6-1

Other branch sizes available! Consult factory for details!

1/16 NPT Male Thread to Tube L-Tees 263



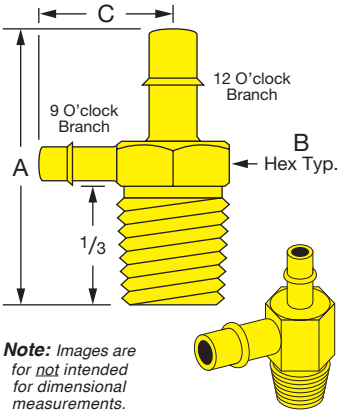
1/16LT2 1/2 1/16LT1 1/16LT.045



1/16LT5 1/16LT4

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/16LT.031	1/16LT.031-SS	1/16LT.031-316SS	1/16LT.031-NP	39/64	5/16	5/16
.040 / 1mm	1/16LT.040	1/16LT.040-SS	1/16LT.040-316SS	1/16LT.040-NP	39/64	5/16	5/16
3/64	1/16LT.045	1/16LT.045-SS	1/16LT.045-316SS	1/16LT.045-NP	39/64	5/16	5/16
.050	1/16LT.050	1/16LT.050-SS	1/16LT.050-316SS	1/16LT.050-NP	39/64	5/16	5/16
1/16	1/16LT1	1/16LT1-SS	1/16LT1-316SS	1/16LT1-NP	43/64	5/16	3/8
5/64 / 2mm	1/16LT2	1/16LT2-SS	1/16LT2-316SS	1/16LT2-NP	43/64	5/16	3/8
3/32	1/16LT2 1/2	1/16LT2 1/2-SS	1/16LT2 1/2-316SS	1/16LT2 1/2-NP	43/64	5/16	3/8
1/8	1/16LT3	1/16LT3-SS	1/16LT3-316SS	1/16LT3-NP	49/64	5/16	15/32
5/32 / 4mm	1/16LT3 1/2	1/16LT3 1/2-SS	1/16LT3 1/2-316SS	1/16LT3 1/2-NP	49/64	5/16	15/32
.170	1/16LT4	1/16LT4-SS	1/16LT4-316SS	1/16LT4-NP	15/16	5/16	1/2
3/16	1/16LT5	1/16LT5-SS	1/16LT5-316SS	1/16LT5-NP	31/32	5/16	17/32
7/32	1/16LT5 1/2	1/16LT5 1/2-SS	1/16LT5 1/2-316SS	1/16LT5 1/2-NP	31/32	5/16	17/32
6mm	1/16LT5 3/4	1/16LT5 3/4-SS	1/16LT5 3/4-316SS	1/16LT5 3/4-NP	1 5/64	5/16	11/16
1/4	1/16LT6	1/16LT6-SS	1/16LT6-316SS	1/16LT6-NP	1 5/64	5/16	11/16

1/16 NPT Male Thread to Tube Reducing L-Tees 264



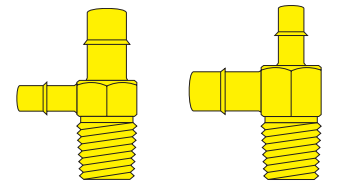
Note: *Images are for not intended for dimensional measurements.*

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/32	.031	Consult Factory	5/16	5/16
.040 / 1mm	.040		5/16	5/16
3/64	.045		5/16	5/16
.050	.050		5/16	5/16
1/16	1		5/16	3/8
5/64 / 2mm	2		5/16	3/8
3/32	2 1/2		5/16	3/8

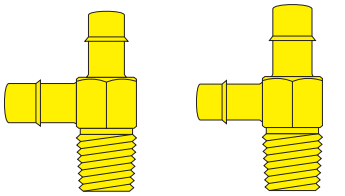
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/8	3	Consult Factory	5/16	15/32
5/32 / 4mm	3 1/2		5/16	15/32
.170	4		5/16	1/2
3/16	5		5/16	17/32
7/32	5 1/2		5/16	17/32
6mm	5 3/4		5/16	11/16
1/4	6		5/16	11/16

Part Numbers for 1/16 Male Thread to Tube Reducing L-Tees:

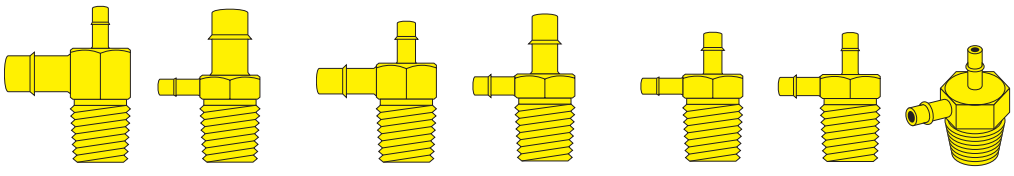
Thread Size → 1/16 — Fitting Series → RLT — # — 9 O'clock Branch # — - — # ← 12 O'clock Branch #



1/16RLT3-5 1/16RLT5-3



1/16RLT5-4 1/16RLT4-5

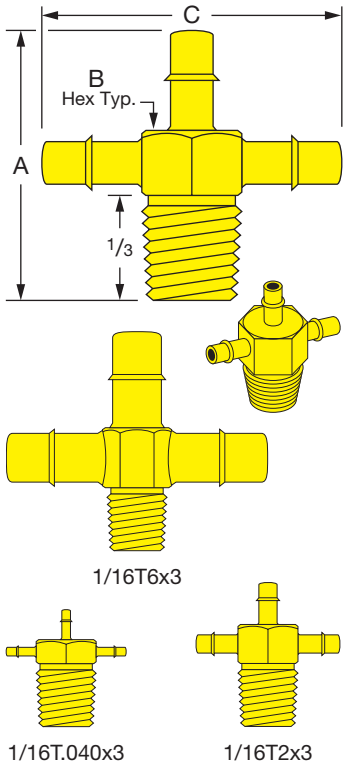


1/16RLT4-1 1/16RLT1-4 1/16RLT3-2 1/16RLT2-3 1/16RLT1-2 1/16RLT2-1

Unless otherwise specified, parts will be Brass. To order other materials, use the following codes:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

265 — 1/16 NPT Male Thread to Tube Tees x 3

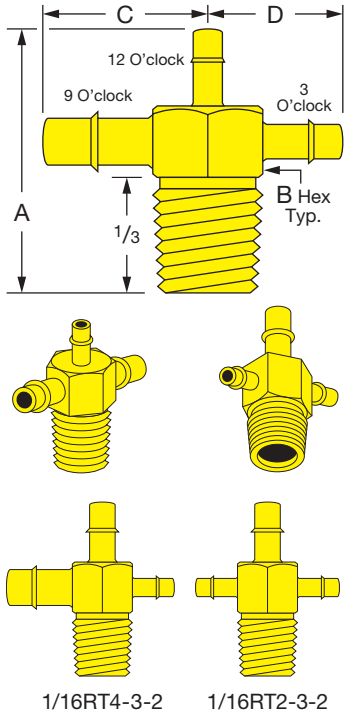
Tube ID	Part Numbers: Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	Dimensions (Reference): A Ref.	B Typ.	C Ref.
1/32	1/16T.031x3	1/16T.031x3-SS	1/16T.031x3-316SS	1/16T.031x3-NP	39/64	5/16	5/8
.040 / 1mm	1/16T.040x3	1/16T.040x3-SS	1/16T.040x3-316SS	1/16T.040x3-NP	39/64	5/16	5/8
3/64	1/16T.045x3	1/16T.045x3-SS	1/16T.045x3-316SS	1/16T.045x3-NP	39/64	5/16	5/8
.050	1/16T.050x3	1/16T.050x3-SS	1/16T.050x3-316SS	1/16T.050x3-NP	39/64	5/16	5/8
1/16	1/16T1x3	1/16T1x3-SS	1/16T1x3-316SS	1/16T1x3-NP	43/64	5/16	3/4
5/64 / 2mm	1/16T2x3	1/16T2x3-SS	1/16T2x3-316SS	1/16T2x3-NP	43/64	5/16	3/4
3/32	1/16T2 1/2x3	1/16T2 1/2x3-SS	1/16T2 1/2x3-316SS	1/16T2 1/2x3-NP	43/64	5/16	3/8
1/8	1/16T3x3	1/16T3x3-SS	1/16T3x3-316SS	1/16T3x3-NP	49/64	5/16	15/16
5/32 / 4mm	1/16T3 1/2x3	1/16T3 1/2x3-SS	1/16T3 1/2x3-316SS	1/16T3 1/2x3-NP	49/64	5/16	15/16
.170	1/16T4x3	1/16T4x3-SS	1/16T4x3-316SS	1/16T4x3-NP	15/16	5/16	1
3/16	1/16T5x3	1/16T5x3-SS	1/16T5x3-316SS	1/16T5x3-NP	31/32	5/16	1 1/16
7/32	1/16T5 1/2x3	1/16T5 1/2x3-SS	1/16T5 1/2x3-316SS	1/16T5 1/2x3-NP	31/32	5/16	1 1/16
6mm	1/16T5 3/4x3	1/16T5 3/4x3-SS	1/16T5 3/4x3-316SS	1/16T5 3/4x3-NP	15/64	5/16	1 3/8
1/4	1/16T6x3	1/16T6x3-SS	1/16T6x3-316SS	1/16T6x3-NP	15/64	5/16	1 3/8



266 — 1/16 NPT Male Thread to Tube Reducing Tees x 3

Branches: Tube ID	Branch Number	Dimensions (Reference): A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	Consult Factory	5/16	5/16	5/16
.040 / 1mm	.040		5/16	5/16	5/16
3/64	.045		5/16	5/16	5/16
.050	.050		5/16	5/16	5/16
1/16	1		5/16	3/8	3/8
5/64 / 2mm	2		5/16	3/8	3/8
3/32	2 1/2		5/16	3/8	3/8

Branches: Tube ID	Branch Number	Dimensions (Reference): A Ref.	B Typ.	C Ref.	D Ref.
1/8	3	Consult Factory	5/16	15/32	15/32
5/32 / 4mm	3 1/2		5/16	15/32	15/32
.170	4		5/16	1/2	1/2
3/16	5		5/16	17/32	17/32
7/32	5 1/2		5/16	17/32	17/32
6mm	5 3/4		5/16	11/16	11/16
1/4	6		5/16	11/16	11/16



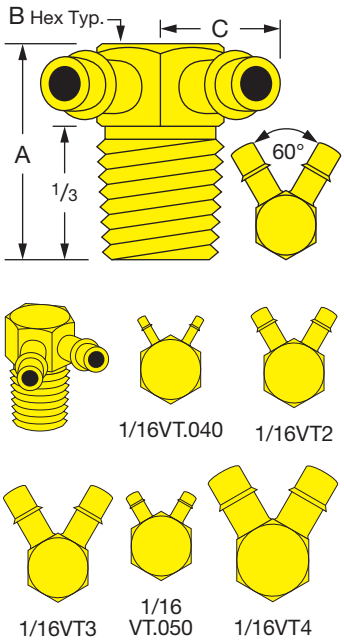
Part Numbers for 1/16 Male Thread to Tube Reducing Tees x 3:

Thread Size → 1/16 — Fitting Series → RT — # (9 O'clock Branch #) - # (12 O'clock Branch #) - # (3 O'clock Branch #)

Unless otherwise specified, parts will be Brass. To order other materials, add the following codes to the part number:

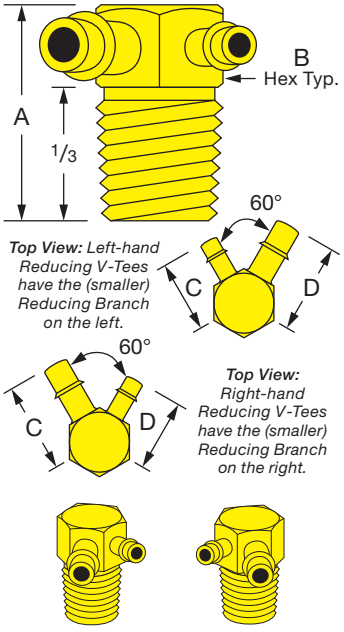
- **-SS = Stainless Steel 303**
- **-316SS = Stainless Steel 316**
- **-NP = Electroless Nickel Plate**

1/16 NPT Male Thread to Tube V-Tees (Standard 60°) 267



Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/16VT.031	1/16VT.031-SS	1/16VT.031-316SS	1/16VT.031-NP	29/64	5/16	5/16
.040 / 1mm	1/16VT.040	1/16VT.040-SS	1/16VT.040-316SS	1/16VT.040-NP	29/64	5/16	5/16
3/64	1/16VT.045	1/16VT.045-SS	1/16VT.045-316SS	1/16VT.045-NP	29/64	5/16	5/16
.050	1/16VT.050	1/16VT.050-SS	1/16VT.050-316SS	1/16VT.050-NP	29/64	5/16	5/16
1/16	1/16VT1	1/16VT1-SS	1/16VT1-316SS	1/16VT1-NP	17/32	5/16	3/8
5/64 / 2mm	1/16VT2	1/16VT2-SS	1/16VT2-316SS	1/16VT2-NP	17/32	5/16	3/8
3/32	1/16VT2 1/2	1/16VT2 1/2-SS	1/16VT2 1/2-316SS	1/16VT2 1/2-NP	17/32	5/16	3/8
1/8	1/16VT3	1/16VT3-SS	1/16VT3-316SS	1/16VT3-NP	17/32	5/16	15/32
5/32 / 4mm	1/16VT3 1/2	1/16VT3 1/2-SS	1/16VT3 1/2-316SS	1/16VT3 1/2-NP	Consult Factory		
.170	1/16VT4	1/16VT4-SS	1/16VT4-316SS	1/16VT4-NP	Consult Factory		
3/16	1/16VT5	1/16VT5-SS	1/16VT5-316SS	1/16VT5-NP	Consult Factory		

1/16 NPT Male Thread to Tube Left-Hand or Right-Hand Reducing V-Tees 268



Top View: Left-hand Reducing V-Tees have the (smaller) Reducing Branch on the left.

Top View: Right-hand Reducing V-Tees have the (smaller) Reducing Branch on the right.

Tube ID	Branches: Branch Number	Dimensions (Reference): A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	Consult Factory	5/16	5/16	5/16
.040 / 1mm	.040		5/16	5/16	5/16
3/64	.045		5/16	5/16	5/16
.050	.050		5/16	5/16	5/16
1/16	1		5/16	3/8	3/8
5/64 / 2mm	2		5/16	3/8	3/8

Tube ID	Branches: Branch Number	Dimensions (Reference): A Ref.	B Typ.	C Ref.	D Ref.
3/32	2 1/2	Consult Factory	5/16	3/8	3/8
1/8	3		5/16	15/32	15/32
5/32 / 4mm	3 1/2		Consult Factory		
.170	4		Consult Factory		
3/16	5		Consult Factory		

Note: *Dimensions may vary at time of manufacturing. Consult factory for details.*

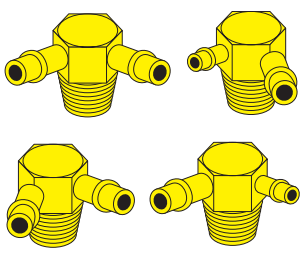
Part Numbers for 1/16 NPT Thread to Tube Reducing Left-Hand V-Tees:

Thread Size → 1/16 (Fitting Series) RVT # - (Larger Branch #) # - (Smaller Branch #) LH ← Left-Hand Indicator

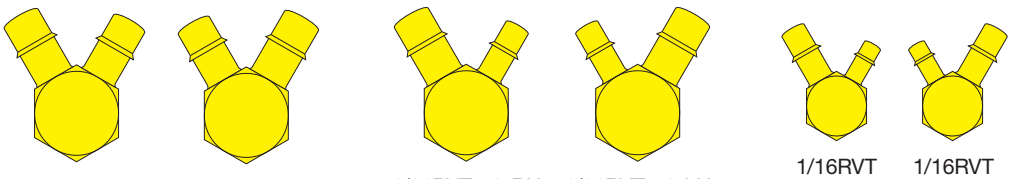
Part Numbers for 1/16 NPT Thread to Tube Reducing Right-Hand V-Tees:

Thread Size → 1/16 (Fitting Series) RVT # - (Larger Branch #) # - (Smaller Branch #) RH ← Right-Hand Indicator

90° & 120° V-Tees available!



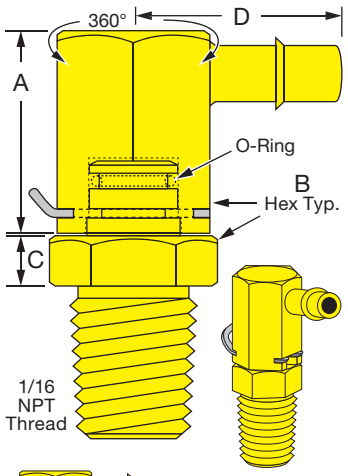
Consult factory for details!

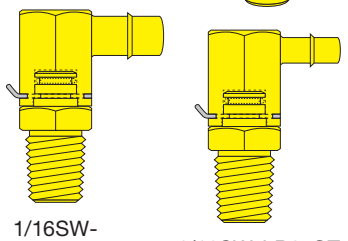


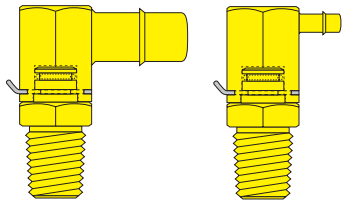
Unless otherwise specified, parts will be Brass. To order other materials, use the following codes:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

269 1/16 NPT Male Thread to Tube Swivel Elbows with Clip Groove

Tube ID	Part Numbers				Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/32	1/16SW-LB.031-GT	1/16SW-LB.031-GT-SS	1/16SW-LB.031-GT-316SS	1/16SW-LB.031-GT-NP	Consult Factory			
.040 / 1mm	1/16SW-LB.040-GT	1/16SW-LB.040-GT-SS	1/16SW-LB.040-GT-316SS	1/16SW-LB.040-GT-NP	Consult Factory			
3/64	1/16SW-LB.045-GT	1/16SW-LB.045-GT-SS	1/16SW-LB.045-GT-316SS	1/16SW-LB.045-GT-NP	Consult Factory			
.050	1/16SW-LB.050-GT	1/16SW-LB.050-GT-SS	1/16SW-LB.050-GT-316SS	1/16SW-LB.050-GT-NP	Consult Factory			
1/16	1/16SW-LB1-GT	1/16SW-LB1-GT-SS	1/16SW-LB1-GT-316SS	1/16SW-LB1-GT-NP	Consult Factory			
5/64 / 2mm	1/16SW-LB2-GT	1/16SW-LB2-GT-SS	1/16SW-LB2-GT-316SS	1/16SW-LB2-GT-NP	Consult Factory			
3/32	1/16SW-LB2 1/2-GT	1/16SW-LB2 1/2-GT-SS	1/16SW-LB2 1/2-GT-316SS	1/16SW-LB2 1/2-GT-NP	Consult Factory			
1/8	1/16SW-LB3-GT	1/16SW-LB3-GT-SS	1/16SW-LB3-GT-316SS	1/16SW-LB3-GT-NP	Consult Factory			
5/32 / 4mm	1/16SW-LB3 1/2-GT	1/16SW-LB3 1/2-GT-SS	1/16SW-LB3 1/2-GT-316SS	1/16SW-LB3 1/2-GT-NP	Consult Factory			
.170	1/16SW-LB4-GT	1/16SW-LB4-GT-SS	1/16SW-LB4-GT-316SS	1/16SW-LB4-GT-NP	Consult Factory			
3/16	1/16SW-LB5-GT	1/16SW-LB5-GT-SS	1/16SW-LB5-GT-316SS	1/16SW-LB5-GT-NP	Consult Factory			
7/32	1/16SW-LB5 1/2-GT	1/16SW-LB5 1/2-GT-SS	1/16SW-LB5 1/2-GT-316SS	1/16SW-LB5 1/2-GT-NP	Consult Factory			
6mm	1/16SW-LB5 3/4-GT	1/16SW-LB5 3/4-GT-SS	1/16SW-LB5 3/4-GT-316SS	1/16SW-LB5 3/4-GT-NP	Consult Factory			
1/4	1/16SW-LB6-GT	1/16SW-LB6-GT-SS	1/16SW-LB6-GT-316SS	1/16SW-LB6-GT-NP	Consult Factory			

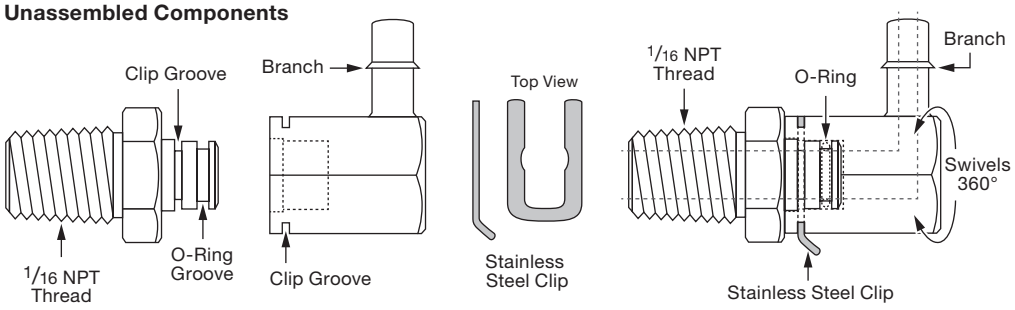






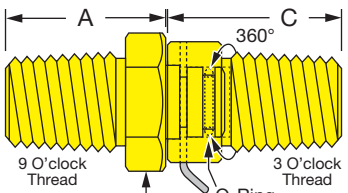
More swivel fitting options available through the GT series! Consult factory for details!

Unassembled Components

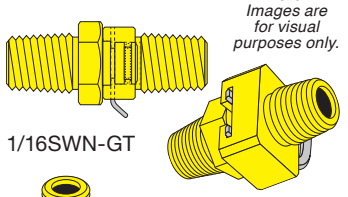


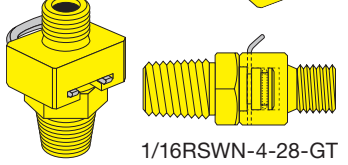
270 1/16 NPT Male Thread Swivel Nipples and Reducing Swivel Nipples

9 O'clock Thread Size	3 O'clock Thread Size	Part Numbers					Dimensions (Reference)		
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	1/16	1/16SWN-GT	1/16SWN-GT-SS	1/16SWN-GT-316SS	1/16SWN-GT-AL	1/16SWN-GT-NP	Consult Factory		
1/16	1/4-28	1/16RSWN-4-28-GT	1/16RSWN-4-28-GT-SS	1/16RSWN-4-28-GT-316SS	1/16RSWN-4-28-GT-AL	1/16RSWN-4-28-GT-NP			
1/16	1/4-20	1/16RSWN-4-20-GT	1/16RSWN-4-20-GT-SS	1/16RSWN-4-20-GT-316SS	1/16RSWN-4-20-GT-AL	1/16RSWN-4-20-GT-NP			
1/16	10-32	1/16RSWN-10-GT	1/16RSWN-10-GT-SS	1/16RSWN-10-GT-316SS	1/16RSWN-10-GT-AL	1/16RSWN-10-GT-NP			

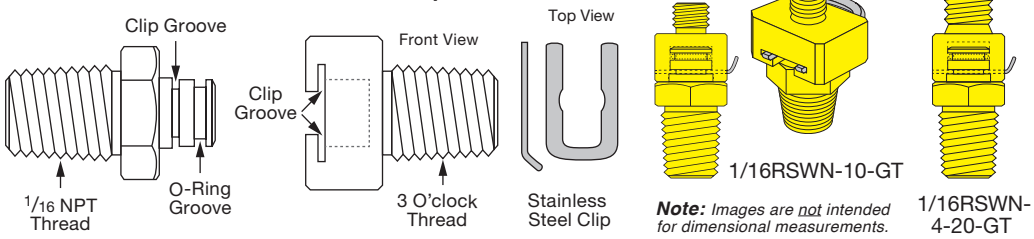


Note: *Images are for visual purposes only.*



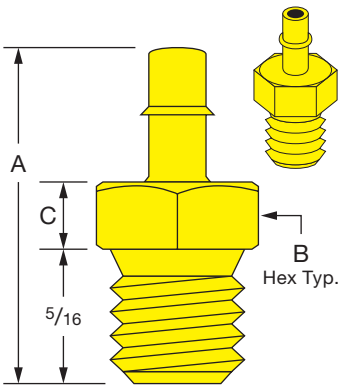


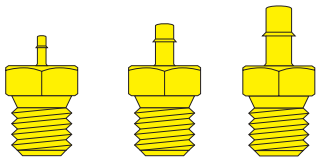
Unassembled Components

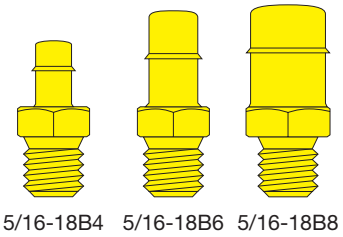


Note: *Images are not intended for dimensional measurements.*

5/16-18 Male Thread to Tube 271





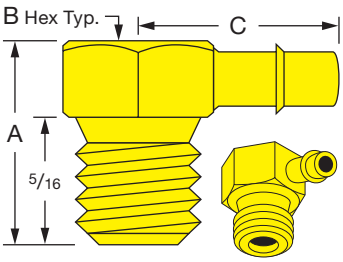


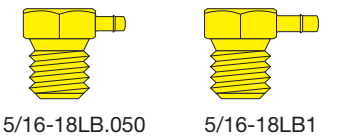
Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	5/16-18 B.031	5/16-18B.031-SS	5/16-18B.031-316SS	N/A	5/16-18B.031-NP	5/8	3/8	5/32
.040 / 1mm	5/16-18 B.040	5/16-18B.040-SS	5/16-18B.040-316SS	N/A	5/16-18B.040-NP	5/8	3/8	5/32
3/64	5/16-18 B.045	5/16-18B.045-SS	5/16-18B.045-316SS	N/A	5/16-18B.045-NP	5/8	3/8	5/32
.050	5/16-18 B.050	5/16-18B.050-SS	5/16-18B.050-316SS	N/A	5/16-18B.050-NP	5/8	3/8	5/32
1/16	5/16-18B1	5/16-18B1-SS	5/16-18B1-316SS	5/16-18B1-AL	5/16-18B1-NP	11/16	3/8	5/32
5/64 / 2mm	5/16-18B2	5/16-18B2-SS	5/16-18B2-316SS	5/16-18B2-AL	5/16-18B2-NP	11/16	3/8	5/32
3/32	5/16-18B2 1/2	5/16-18B2 1/2-SS	5/16-18B2 1/2-316SS	5/16-18B2 1/2-AL	5/16-18B2 1/2-NP	11/16	3/8	5/32
1/8	5/16-18B3	5/16-18B3-SS	5/16-18B3-316SS	5/16-18B3-AL	5/16-18B3-NP	25/32	3/8	5/32
5/32 / 4mm	5/16-18B3 1/2	5/16-18B3 1/2-SS	5/16-18B3 1/2-316SS	5/16-18B3 1/2-AL	5/16-18B3 1/2-NP	25/32	3/8	5/32
.170	5/16-18B4	5/16-18B4-SS	5/16-18B4-316SS	5/16-18B4-AL	5/16-18B4-NP	13/16	3/8	5/32
3/16	5/16-18B5	5/16-18B5-SS	5/16-18B5-316SS	5/16-18B5-AL	5/16-18B5-NP	27/32	3/8	5/32
7/32	5/16-18B5 1/2	5/16-18B5 1/2-SS	5/16-18B5 1/2-316SS	5/16-18B5 1/2-AL	5/16-18B5 1/2-NP	27/32	3/8	5/32
6mm	5/16-18B5 3/4	5/16-18B5 3/4-SS	5/16-18B5 3/4-316SS	5/16-18B5 3/4-AL	5/16-18B5 3/4-NP	31/32	3/8	5/32
1/4	5/16-18B6	5/16-18B6-SS	5/16-18B6-316SS	5/16-18B6-AL	5/16-18B6-NP	31/32	3/8	5/32
5/16 / 8mm	5/16-18B7	5/16-18B7-SS	5/16-18B7-316SS	5/16-18B7-AL	5/16-18B7-NP	1 3/32	3/8	5/32
3/8	5/16-18B8	5/16-18B8-SS	5/16-18B8-316SS	5/16-18B8-AL	5/16-18B8-NP	1	7/16	5/32

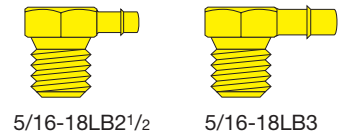
Note: *Images are for visual representation only; not intended for dimensional measurements.*

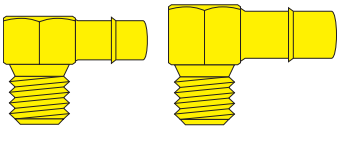
O-Ring options available! Material options listed on page 65! Consult factory for details!

5/16-18 Male Thread to Tube Elbows 272





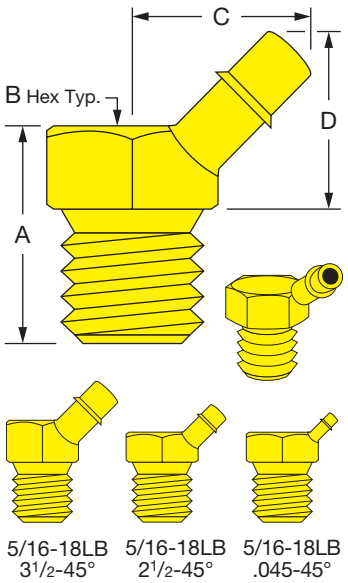




Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	5/16-18LB.031	5/16-18LB.031-SS	5/16-18LB.031-316SS	5/16-18LB.031-NP	15/32	3/8	11/32
.040 / 1mm	5/16-18LB.040	5/16-18LB.040-SS	5/16-18LB.040-316SS	5/16-18LB.040-NP	15/32	3/8	11/32
3/64	5/16-18LB.045	5/16-18LB.045-SS	5/16-18LB.045-316SS	5/16-18LB.045-NP	15/32	3/8	11/32
.050	5/16-18LB.050	5/16-18LB.050-SS	5/16-18LB.050-316SS	5/16-18LB.050-NP	15/32	3/8	11/32
1/16	5/16-18LB1	5/16-18LB1-SS	5/16-18LB1-316SS	5/16-18LB1-NP	15/32	3/8	13/32
5/64 / 2mm	5/16-18LB2	5/16-18LB2-SS	5/16-18LB2-316SS	5/16-18LB2-NP	15/32	3/8	13/32
3/32	5/16-18LB2 1/2	5/16-18LB2 1/2-SS	5/16-18LB2 1/2-316SS	5/16-18LB2 1/2-NP	15/32	3/8	13/32
1/8	5/16-18LB3	5/16-18LB3-SS	5/16-18LB3-316SS	5/16-18LB3-NP	15/32	3/8	1/2
5/32 / 4mm	5/16-18LB3 1/2	5/16-18LB3 1/2-SS	5/16-18LB3 1/2-316SS	5/16-18LB3 1/2-NP	17/32	3/8	1/2
.170	5/16-18LB4	5/16-18LB4-SS	5/16-18LB4-316SS	5/16-18LB4-NP	17/32	3/8	17/32
3/16	5/16-18LB5	5/16-18LB5-SS	5/16-18LB5-316SS	5/16-18LB5-NP	9/16	3/8	9/16
7/32	5/16-18LB5 1/2	5/16-18LB5 1/2-SS	5/16-18LB5 1/2-316SS	5/16-18LB5 1/2-NP	9/16	3/8	9/16
6mm	5/16-18LB5 3/4	5/16-18LB5 3/4-SS	5/16-18LB5 3/4-316SS	5/16-18LB5 3/4-NP	*Consult Factory*		
1/4	5/16-18LB6	5/16-18LB6-SS	5/16-18LB6-316SS	5/16-18LB6-NP	*Consult Factory*		

273 — 5/16-18 Male Thread to Tube 45° Elbows

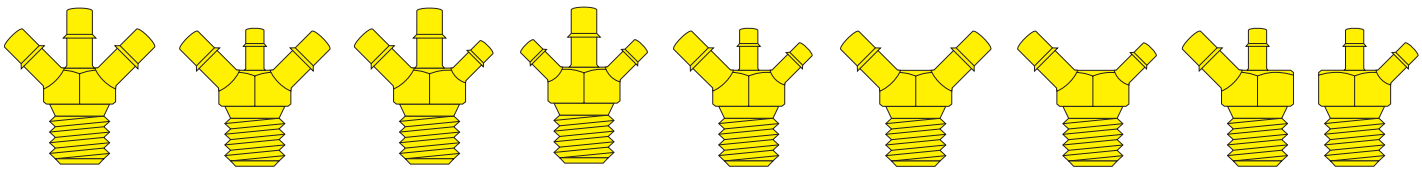
Tube ID	Part Numbers: Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	Dimensions (Reference): A Ref.	B Typ.	C Ref.	D Ref.
1/32	5/16-18LB.031-45°	5/16-18LB.031-45°-SS	5/16-18LB.031-45°-316SS	5/16-18LB.031-45°-NP	15/32	3/8	Consult Factory	Consult Factory
.040 / 1mm	5/16-18LB.040-45°	5/16-18LB.040-45°-SS	5/16-18LB.040-45°-316SS	5/16-18LB.040-45°-NP	15/32	3/8		
3/64	5/16-18LB.045-45°	5/16-18LB.045-45°-SS	5/16-18LB.045-45°-316SS	5/16-18LB.045-45°-NP	15/32	3/8		
.050	5/16-18LB.050-45°	5/16-18LB.050-45°-SS	5/16-18LB.050-45°-316SS	5/16-18LB.050-45°-NP	15/32	3/8		
1/16	5/16-18LB1-45°	5/16-18LB1-45°-SS	5/16-18LB1-45°-316SS	5/16-18LB1-45°-NP	15/32	3/8		
5/64 / 2mm	5/16-18LB2-45°	5/16-18LB2-45°-SS	5/16-18LB2-45°-316SS	5/16-18LB2-45°-NP	15/32	3/8		
3/32	5/16-18LB2 1/2-45°	5/16-18LB2 1/2-45°-SS	5/16-18LB2 1/2-45°-316SS	5/16-18LB2 1/2-45°-NP	15/32	3/8		
1/8	5/16-18LB3-45°	5/16-18LB3-45°-SS	5/16-18LB3-45°-316SS	5/16-18LB3-45°-NP	15/32	3/8		
5/32 / 4mm	5/16-18LB3 1/2-45°	5/16-18LB3 1/2-45°-SS	5/16-18LB3 1/2-45°-316SS	5/16-18LB3 1/2-45°-NP	17/32	3/8		
.170	5/16-18LB4-45°	5/16-18LB4-45°-SS	5/16-18LB4-45°-316SS	5/16-18LB4-45°-NP	17/32	3/8		



5/16-18LB 3 1/2-45° | 5/16-18LB 2 1/2-45° | 5/16-18LB .045-45°

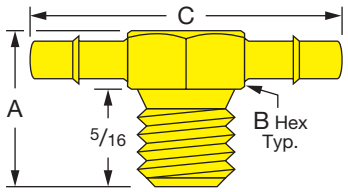
J

Custom 5/16-18 male thread fittings available! Lead times & minimum quantities apply! Consult factory for details!



274 — 5/16-18 Male Thread to Tube Tees

Tube ID	Part Numbers: Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	Dimensions (Reference): A Ref.	B Typ.	C Ref.
1/32	5/16-18T.031	5/16-18T.031-SS	5/16-18T.031-316SS	5/16-18T.031-NP	15/32	3/8	11/16
.040 / 1mm	5/16-18T.040	5/16-18T.040-SS	5/16-18T.040-316SS	5/16-18T.040-NP	15/32	3/8	11/16
3/64	5/16-18T.045	5/16-18T.045-SS	5/16-18T.045-316SS	5/16-18T.045-NP	15/32	3/8	11/16
.050	5/16-18T.050	5/16-18T.050-SS	5/16-18T.050-316SS	5/16-18T.050-NP	15/32	3/8	11/16
1/16	5/16-18T1	5/16-18T1-SS	5/16-18T1-316SS	5/16-18T1-NP	15/32	3/8	13/16
5/64 / 2mm	5/16-18T2	5/16-18T2-SS	5/16-18T2-316SS	5/16-18T2-NP	15/32	3/8	13/16
3/32	5/16-18T2 1/2	5/16-18T2 1/2-SS	5/16-18T2 1/2-316SS	5/16-18T2 1/2-NP	15/32	3/8	13/16
1/8	5/16-18T3	5/16-18T3-SS	5/16-18T3-316SS	5/16-18T3-NP	15/32	3/8	1
5/32 / 4mm	5/16-18T3 1/2	5/16-18T3 1/2-SS	5/16-18T3 1/2-316SS	5/16-18T3 1/2-NP	17/32	3/8	1
.170	5/16-18T4	5/16-18T4-SS	5/16-18T4-316SS	5/16-18T4-NP	17/32	3/8	1 1/16
3/16	5/16-18T5	5/16-18T5-SS	5/16-18T5-316SS	5/16-18T5-NP	9/16	3/8	1 1/8
7/32	5/16-18T5 1/2	5/16-18T5 1/2-SS	5/16-18T5 1/2-316SS	5/16-18T5 1/2-NP	9/16	3/8	1 1/8
6mm	5/16-18T5 3/4	5/16-18T5 3/4-SS	5/16-18T5 3/4-316SS	5/16-18T5 3/4-NP	*Consult Factory*		
1/4	5/16-18T6	5/16-18T6-SS	5/16-18T6-316SS	5/16-18T6-NP	*Consult Factory*		



5/16-18T.040

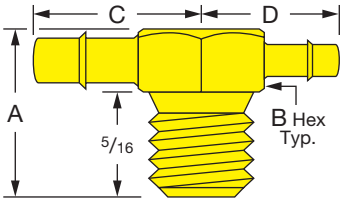
5/16-18T2 | 5/16-18T2 1/2

5/16-18T3 1/2

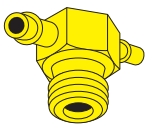
5/16-18T5

O-Ring options available! Material options listed on page 65! Consult factory for details!

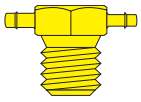
5/16-18 Male Thread to Tube Reducing Tees 275

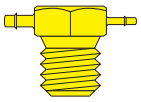


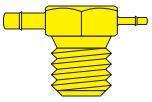
O-Ring options also available! Consult factory for details!

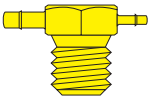


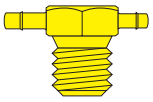
J

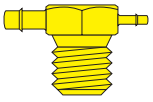

5/16-18
RT.050-.045

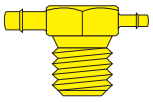

5/16-18
RT.045-.031

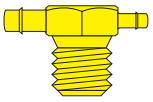

5/16-18
RT1-.031

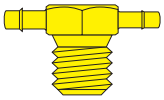

5/16-18
RT1-.040

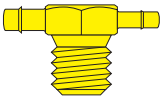

5/16-18
RT1-.050

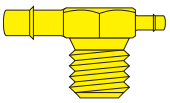

5/16-18
RT2-.040

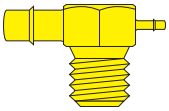

5/16-18
RT2-.045

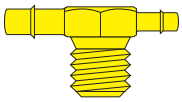

5/16-18
RT2½-.050

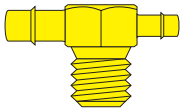

5/16-18RT2-1


5/16-18RT2½-1


5/16-18
RT3-.050


5/16-18
RT3½-.040


5/16-18RT3-2


5/16-18
RT3½-2½

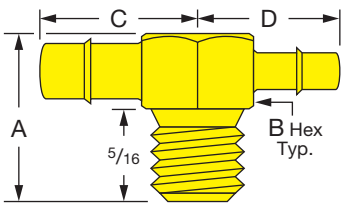
Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
.040 / 1mm	1/32	5/16-18 RT.040-.031	5/16-18 RT.040-.031-SS	5/16-18RT.040-.031-316SS	5/16-18 RT.040-.031-NP	15/32	3/8	11/32	11/32
3/64	1/32	5/16-18 RT.045-.031	5/16-18 RT.045-.031-SS	5/16-18RT.045-.031-316SS	5/16-18 RT.045-.031-NP	15/32	3/8	11/32	11/32
3/64	.040 / 1mm	5/16-18 RT.045-.040	5/16-18 RT.045-.040-SS	5/16-18RT.045-.040-316SS	5/16-18 RT.045-.040-NP	15/32	3/8	11/32	11/32
.050	1/32	5/16-18 RT.050-.031	5/16-18 RT.050-.031-SS	5/16-18RT.050-.031-316SS	5/16-18 RT.050-.031-NP	15/32	3/8	11/32	11/32
.050	.040 / 1mm	5/16-18 RT.050-.040	5/16-18 RT.050-.040-SS	5/16-18RT.050-.040-316SS	5/16-18 RT.050-.040-NP	15/32	3/8	11/32	11/32
.050	1/64	5/16-18 RT.050-.045	5/16-18 RT.050-.045-SS	5/16-18RT.050-.045-316SS	5/16-18 RT.050-.045-NP	15/32	3/8	11/32	11/32
1/16	1/32	5/16-18 RT1-.031	5/16-18 RT1-.031-SS	5/16-18 RT1-.031-316SS	5/16-18 RT1-.031-NP	15/32	3/8	13/32	11/32
1/16	.040 / 1mm	5/16-18 RT1-.040	5/16-18 RT1-.040-SS	5/16-18 RT1-.040-316SS	5/16-18 RT1-.040-NP	15/32	3/8	13/32	11/32
1/16	3/64	5/16-18 RT1-.045	5/16-18 RT1-.045-SS	5/16-18 RT1-.045-316SS	5/16-18 RT1-.045-NP	15/32	3/8	13/32	11/32
1/16	.050	5/16-18 RT1-.050	5/16-18 RT1-.050-SS	5/16-18 RT1-.050-316SS	5/16-18 RT1-.050-NP	15/32	3/8	13/32	11/32
5/64 / 2mm	1/32	5/16-18 RT2-.031	5/16-18 RT2-.031-SS	5/16-18 RT2-.031-316SS	5/16-18 RT2-.031-NP	15/32	3/8	13/32	11/32
5/64 / 2mm	.040 / 1mm	5/16-18 RT2-.040	5/16-18 RT2-.040-SS	5/16-18 RT2-.040-316SS	5/16-18 RT2-.040-NP	15/32	3/8	13/32	11/32
5/64 / 2mm	3/64	5/16-18 RT2-.045	5/16-18 RT2-.045-SS	5/16-18 RT2-.045-316SS	5/16-18 RT2-.045-NP	15/32	3/8	13/32	11/32
5/64 / 2mm	.050	5/16-18 RT2-.050	5/16-18 RT2-.050-SS	5/16-18 RT2-.050-316SS	5/16-18 RT2-.050-NP	15/32	3/8	13/32	11/32
5/64 / 2mm	1/16	5/16-18 RT2-1	5/16-18 RT2-1-SS	5/16-18 RT2-1-316SS	5/16-18 RT2-1-NP	15/32	3/8	13/32	13/32
3/32	1/32	5/16-18 RT2½-.031	5/16-18 RT2½-.031-SS	5/16-18RT2½-.031-316SS	5/16-18 RT2½-.031-NP	15/32	3/8	13/32	11/32
3/32	.040 / 1mm	5/16-18 RT2½-.040	5/16-18 RT2½-.040-SS	5/16-18RT2½-.040-316SS	5/16-18 RT2½-.040-NP	15/32	3/8	13/32	11/32
3/32	3/64	5/16-18 RT2½-.045	5/16-18 RT2½-.045-SS	5/16-18RT2½-.045-316SS	5/16-18 RT2½-.045-NP	15/32	3/8	13/32	11/32
3/32	.050	5/16-18 RT2½-.050	5/16-18 RT2½-.050-SS	5/16-18RT2½-.050-316SS	5/16-18 RT2½-.050-NP	15/32	3/8	13/32	11/32
3/32	1/16	5/16-18 RT2½-1	5/16-18 RT2½-1-SS	5/16-18 RT2½-1-316SS	5/16-18 RT2½-1-NP	15/32	3/8	13/32	13/32
3/32	5/64 / 2mm	5/16-18 RT2½-2	5/16-18 RT2½-2-SS	5/16-18 RT2½-2-316SS	5/16-18 RT2½-2-NP	15/32	3/8	13/32	13/32
1/8	1/32	5/16-18 RT3-.031	5/16-18 RT3-.031-SS	5/16-18 RT3-.031-316SS	5/16-18 RT3-.031-NP	15/32	3/8	1/2	11/32
1/8	.040 / 1mm	5/16-18 RT3-.040	5/16-18 RT3-.040-SS	5/16-18 RT3-.040-316SS	5/16-18 RT3-.040-NP	15/32	3/8	1/2	11/32
1/8	3/64	5/16-18 RT3-.045	5/16-18 RT3-.045-SS	5/16-18 RT3-.045-316SS	5/16-18 RT3-.045-NP	15/32	3/8	1/2	11/32
1/8	.050	5/16-18 RT3-.050	5/16-18 RT3-.050-SS	5/16-18 RT3-.050-316SS	5/16-18 RT3-.050-NP	15/32	3/8	1/2	11/32
1/8	1/16	5/16-18 RT3-1	5/16-18 RT3-1-SS	5/16-18 RT3-1-316SS	5/16-18 RT3-1-NP	15/32	3/8	1/2	13/32
1/8	5/64 / 2mm	5/16-18 RT3-2	5/16-18 RT3-2-SS	5/16-18 RT3-2-316SS	5/16-18 RT3-2-NP	15/32	3/8	1/2	13/32
1/8	3/32	5/16-18 RT3-2½	5/16-18 RT3-2½-SS	5/16-18 RT3-2½-316SS	5/16-18 RT3-2½-NP	15/32	3/8	1/2	13/32
5/32 / 4mm	1/32	5/16-18 RT3½-.031	5/16-18 RT3½-.031-SS	5/16-18RT3½-.031-316SS	5/16-18 RT3½-.031-NP	17/32	3/8	1/2	11/32
5/32 / 4mm	.040 / 1mm	5/16-18 RT3½-.040	5/16-18 RT3½-.040-SS	5/16-18RT3½-.040-316SS	5/16-18 RT3½-.040-NP	17/32	3/8	1/2	11/32
5/32 / 4mm	3/64	5/16-18 RT3½-.045	5/16-18 RT3½-.045-SS	5/16-18RT3½-.045-316SS	5/16-18 RT3½-.045-NP	17/32	3/8	1/2	11/32
5/32 / 4mm	.050	5/16-18 RT3½-.050	5/16-18 RT3½-.050-SS	5/16-18RT3½-.050-316SS	5/16-18 RT3½-.050-NP	17/32	3/8	1/2	11/32
5/32 / 4mm	1/16	5/16-18 RT3½-1	5/16-18 RT3½-1-SS	5/16-18RT3½-1-316SS	5/16-18 RT3½-1-NP	17/32	3/8	1/2	13/32
5/32 / 4mm	5/64 / 2mm	5/16-18 RT3½-2	5/16-18 RT3½-2-SS	5/16-18RT3½-2-316SS	5/16-18 RT3½-2-NP	17/32	3/8	1/2	13/32
5/32 / 4mm	3/32	5/16-18 RT3½-2½	5/16-18 RT3½-2½-SS	5/16-18RT3½-2½-316SS	5/16-18 RT3½-2½-NP	17/32	3/8	1/2	13/32
5/32 / 4mm	1/8	5/16-18 RT3½-3	5/16-18 RT3½-3-SS	5/16-18 RT3½-3-316SS	5/16-18 RT3½-3-NP	17/32	3/8	1/2	1/2
.170	1/32	5/16-18 RT4-.031	5/16-18 RT4-.031-SS	5/16-18 RT4-.031-316SS	5/16-18 RT4-.031-NP	17/32	3/8	17/32	11/32
.170	.040 / 1mm	5/16-18 RT4-.040	5/16-18 RT4-.040-SS	5/16-18 RT4-.040-316SS	5/16-18 RT4-.040-NP	17/32	3/8	17/32	11/32
.170	3/64	5/16-18 RT4-.045	5/16-18 RT4-.045-SS	5/16-18 RT4-.045-316SS	5/16-18 RT4-.045-NP	17/32	3/8	17/32	11/32
.170	.050	5/16-18 RT4-.050	5/16-18 RT4-.050-SS	5/16-18 RT4-.050-316SS	5/16-18 RT4-.050-NP	17/32	3/8	17/32	11/32

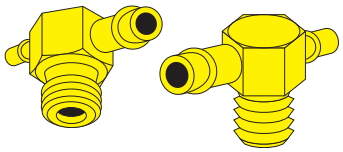
Continued on next page.

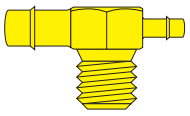
Note: *Images are for visual representation only.*

276 5/16-18 Male Thread to Tube Reducing Tees (continued)

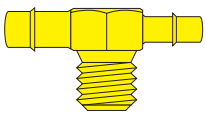
Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
.170	1/16	5/16-18 RT4-1	5/16-18 RT4-1-SS	5/16-18 RT4-1-316SS	5/16-18 RT4-1-NP	17/32	3/8	17/32	13/32
.170	5/64 / 2mm	5/16-18 RT4-2	5/16-18 RT4-2-SS	5/16-18 RT4-2-316SS	5/16-18 RT4-2-NP	17/32	3/8	17/32	13/32
.170	3/32	5/16-18 RT4-2 1/2	5/16-18 RT4-2 1/2-SS	5/16-18 RT4-2 1/2-316SS	5/16-18 RT4-2 1/2-NP	17/32	3/8	17/32	13/32
.170	1/8	5/16-18 RT4-3	5/16-18 RT4-3-SS	5/16-18 RT4-3-316SS	5/16-18 RT4-3-NP	17/32	3/8	17/32	1/2
.170	5/32 / 4mm	5/16-18 RT4-3 1/2	5/16-18 RT4-3 1/2-SS	5/16-18 RT4-3 1/2-316SS	5/16-18 RT4-3 1/2-NP	17/32	3/8	17/32	1/2
3/16	1/32	5/16-18 RT5-.031	5/16-18 RT5-.031-SS	5/16-18 RT5-.031-316SS	5/16-18 RT5-.031-NP	9/16	3/8	9/16	11/32
3/16	.040 / 1mm	5/16-18 RT5-.040	5/16-18 RT5-.040-SS	5/16-18 RT5-.040-316SS	5/16-18 RT5-.040-NP	9/16	3/8	9/16	11/32
3/16	3/64	5/16-18 RT5-.045	5/16-18 RT5-.045-SS	5/16-18 RT5-.045-316SS	5/16-18 RT5-.045-NP	9/16	3/8	9/16	11/32
3/16	.050	5/16-18 RT5-.050	5/16-18 RT5-.050-SS	5/16-18 RT5-.050-316SS	5/16-18 RT5-.050-NP	9/16	3/8	9/16	11/32
3/16	1/16	5/16-18 RT5-1	5/16-18 RT5-1-SS	5/16-18 RT5-1-316SS	5/16-18 RT5-1-NP	9/16	3/8	9/16	13/32
3/16	5/64 / 2mm	5/16-18 RT5-2	5/16-18 RT5-2-SS	5/16-18 RT5-2-316SS	5/16-18 RT5-2-NP	9/16	3/8	9/16	13/32
3/16	3/32	5/16-18 RT5-2 1/2	5/16-18 RT5-2 1/2-SS	5/16-18 RT5-2 1/2-316SS	5/16-18 RT5-2 1/2-NP	9/16	3/8	9/16	13/32
3/16	1/8	5/16-18 RT5-3	5/16-18 RT5-3-SS	5/16-18 RT5-3-316SS	5/16-18 RT5-3-NP	9/16	3/8	9/16	1/2
3/16	5/32 / 4mm	5/16-18 RT5-3 1/2	5/16-18 RT5-3 1/2-SS	5/16-18 RT5-3 1/2-316SS	5/16-18 RT5-3 1/2-NP	9/16	3/8	9/16	1/2
3/16	.170	5/16-18 RT5-4	5/16-18 RT5-4-SS	5/16-18 RT5-4-316SS	5/16-18 RT5-4-NP	9/16	3/8	9/16	21/32
7/32	1/16	5/16-18 RT5 1/2-1	5/16-18 RT5 1/2-1-SS	5/16-18 RT5 1/2-1-316SS	5/16-18 RT5 1/2-1-NP	9/16	3/8	9/16	13/32
7/32	5/64 / 2mm	5/16-18 RT5 1/2-2	5/16-18 RT5 1/2-2-SS	5/16-18 RT5 1/2-2-316SS	5/16-18 RT5 1/2-2-NP	9/16	3/8	9/16	13/32
7/32	3/32	5/16-18 RT5 1/2-2 1/2	5/16-18 RT5 1/2-2 1/2-SS	5/16-18RT5 1/2-2 1/2-316SS	5/16-18 RT5 1/2-2 1/2-NP	9/16	3/8	9/16	13/32
7/32	1/8	5/16-18 RT5 1/2-3	5/16-18 RT5 1/2-3-SS	5/16-18 RT5 1/2-3-316SS	5/16-18 RT5 1/2-3-NP	9/16	3/8	9/16	1/2
7/32	5/32 / 4mm	5/16-18 RT5 1/2-3 1/2	5/16-18 RT5 1/2-3 1/2-SS	5/16-18RT5 1/2-3 1/2-316SS	5/16-18 RT5 1/2-3 1/2-NP	9/16	3/8	9/16	1/2
7/32	.170	5/16-18 RT5 1/2-4	5/16-18 RT5 1/2-4-SS	5/16-18 RT5 1/2-4-316SS	5/16-18 RT5 1/2-4-NP	9/16	3/8	9/16	21/32
7/32	3/16	5/16-18 RT5 1/2-5	5/16-18 RT5 1/2-5-SS	5/16-18 RT5 1/2-5-316SS	5/16-18 RT5 1/2-5-NP	9/16	3/8	9/16	9/16
6mm	1/16	5/16-18 RT5 3/4-1	5/16-18 RT5 3/4-1-SS	5/16-18 RT5 3/4-1-316SS	5/16-18 RT5 3/4-1-NP	Consult Factory			
6mm	5/64 / 2mm	5/16-18 RT5 3/4-2	5/16-18 RT5 3/4-2-SS	5/16-18 RT5 3/4-2-316SS	5/16-18 RT5 3/4-2-NP	Consult Factory			
6mm	3/32	5/16-18 RT5 3/4-2 1/2	5/16-18 RT5 3/4-2 1/2-SS	5/16-18RT5 3/4-2 1/2-316SS	5/16-18 RT5 3/4-2 1/2-NP	Consult Factory			
6mm	1/8	5/16-18 RT5 3/4-3	5/16-18 RT5 3/4-3-SS	5/16-18 RT5 3/4-3-316SS	5/16-18 RT5 3/4-3-NP	Consult Factory			
6mm	5/32 / 4mm	5/16-18 RT5 3/4-3 1/2	5/16-18 RT5 3/4-3 1/2-SS	5/16-18RT5 3/4-3 1/2-316SS	5/16-18 RT5 3/4-3 1/2-NP	Consult Factory			
6mm	.170	5/16-18 RT5 3/4-4	5/16-18 RT5 3/4-4-SS	5/16-18RT5 3/4-4-316SS	5/16-18 RT5 3/4-4-NP	Consult Factory			
6mm	3/16	5/16-18 RT5 3/4-5	5/16-18 RT5 3/4-5-SS	5/16-18 RT5 3/4-5-316SS	5/16-18 RT5 3/4-5-NP	Consult Factory			
6mm	7/32	5/16-18 RT5 3/4-5 1/2	5/16-18 RT5 3/4-5 1/2-SS	5/16-18RT5 3/4-5 1/2-316SS	5/16-18 RT5 3/4-5 1/2-NP	Consult Factory			
1/4	1/16	5/16-18 RT6-1	5/16-18 RT6-1-SS	5/16-18 RT6-1-316SS	5/16-18 RT6-1-NP	Consult Factory			
1/4	5/64 / 2mm	5/16-18 RT6-2	5/16-18 RT6-2-SS	5/16-18 RT6-2-316SS	5/16-18 RT6-2-NP	Consult Factory			
1/4	3/32	5/16-18 RT6-2 1/2	5/16-18 RT6-2 1/2-SS	5/16-18 RT6-2 1/2-316SS	5/16-18 RT6-2 1/2-NP	Consult Factory			
1/4	1/8	5/16-18 RT6-3	5/16-18 RT6-3-SS	5/16-18 RT6-3-316SS	5/16-18 RT6-3-NP	Consult Factory			
1/4	5/32 / 4mm	5/16-18 RT6-3 1/2	5/16-18 RT6-3 1/2-SS	5/16-18 RT6-3 1/2-316SS	5/16-18 RT6-3 1/2-NP	Consult Factory			
1/4	.170	5/16-18 RT6-4	5/16-18 RT6-4-SS	5/16-18 RT6-4-316SS	5/16-18 RT6-4-NP	Consult Factory			
1/4	3/16	5/16-18 RT6-5	5/16-18 RT6-5-SS	5/16-18 RT6-5-316SS	5/16-18 RT6-5-NP	Consult Factory			
1/4	7/32	5/16-18 RT6-5 1/2	5/16-18 RT6-5 1/2-SS	5/16-18 RT6-5 1/2-316SS	5/16-18 RT6-5 1/2-NP	Consult Factory			
1/4	6mm	5/16-18 RT6-5 3/4	5/16-18 RT6-5 3/4-SS	5/16-18 RT6-5 3/4-316SS	5/16-18 RT6-5 3/4-NP	Consult Factory			







5/16-18RT4-2



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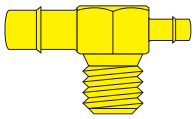
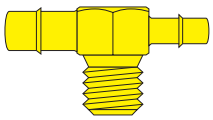
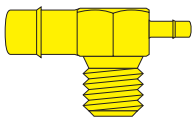


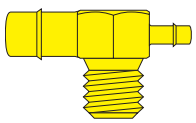
5/16-18RT5-2 1/2



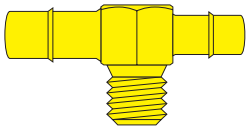
5/16-18RT5-3



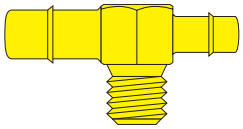
5/16-18RT5 1/2-1



5/16-18RT5 1/2-2



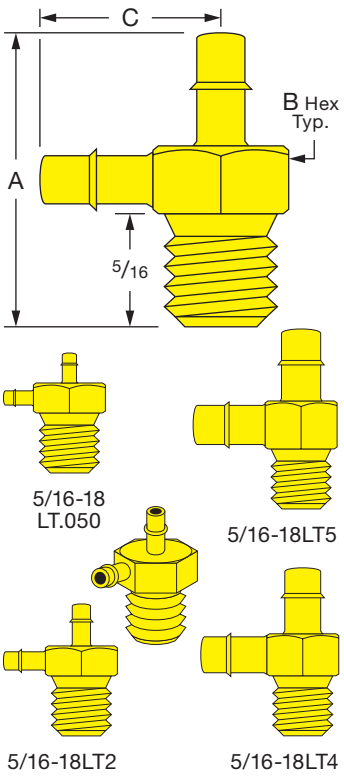
5/16-18RT5 3/4-5



5/16-18RT6-4

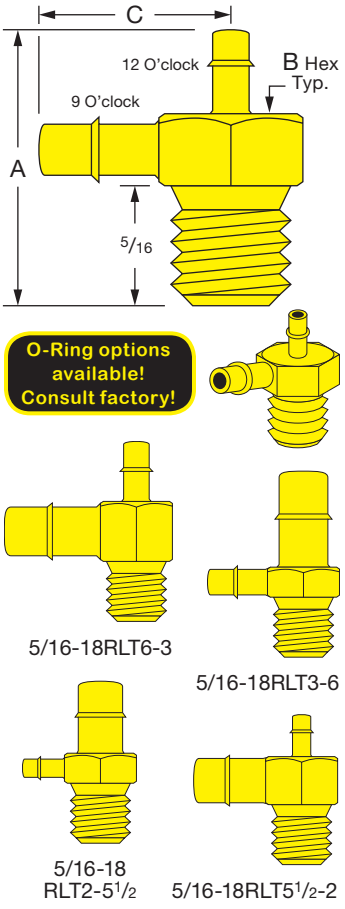
O-Ring options also available!

5/16-18 Male Thread to Tube L-Tees 277



Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Typ
1/32	5/16-18LT.031	5/16-18LT.031-SS	5/16-18LT.031-316SS	5/16-18LT.031-NP	5/8	3/8	11/32
.040 / 1mm	5/16-18LT.040	5/16-18LT.040-SS	5/16-18LT.040-316SS	5/16-18LT.040-NP	5/8	3/8	11/32
3/64	5/16-18LT.045	5/16-18LT.045-SS	5/16-18LT.045-316SS	5/16-18LT.045-NP	5/8	3/8	11/32
.050	5/16-18LT.050	5/16-18LT.050-SS	5/16-18LT.050-316SS	5/16-18LT.050-NP	5/8	3/8	11/32
1/16	5/16-18LT1	5/16-18LT1-SS	5/16-18LT1-316SS	5/16-18LT1-NP	11/16	3/8	13/32
5/64 / 2mm	5/16-18LT2	5/16-18LT2-SS	5/16-18LT2-316SS	5/16-18LT2-NP	11/16	3/8	13/32
3/32	5/16-18LT2 1/2	5/16-18LT2 1/2-SS	5/16-18LT2 1/2-316SS	5/16-18LT2 1/2-NP	11/16	3/8	13/32
1/8	5/16-18LT3	5/16-18LT3-SS	5/16-18LT3-316SS	5/16-18LT3-NP	25/32	3/8	1/2
5/32 / 4mm	5/16-18LT3 1/2	5/16-18LT3 1/2-SS	5/16-18LT3 1/2-316SS	5/16-18LT3 1/2-NP	27/32	3/8	1/2
.170	5/16-18LT4	5/16-18LT4-SS	5/16-18LT4-316SS	5/16-18LT4-NP	7/8	3/8	17/32
3/16	5/16-18LT5	5/16-18LT5-SS	5/16-18LT5-316SS	5/16-18LT5-NP	15/16	3/8	9/16
7/32	5/16-18LT5 1/2	5/16-18LT5 1/2-SS	5/16-18LT5 1/2-316SS	5/16-18LT5 1/2-NP	15/16	3/8	9/16
6mm	5/16-18LT5 3/4	5/16-18LT5 3/4-SS	5/16-18LT5 3/4-316SS	5/16-18LT5 3/4-NP	Consult Factory		
1/4	5/16-18LT6	5/16-18LT6-SS	5/16-18LT6-316SS	5/16-18LT6-NP	Consult Factory		

5/16-18 Male Thread to Tube Reducing L-Tees 278

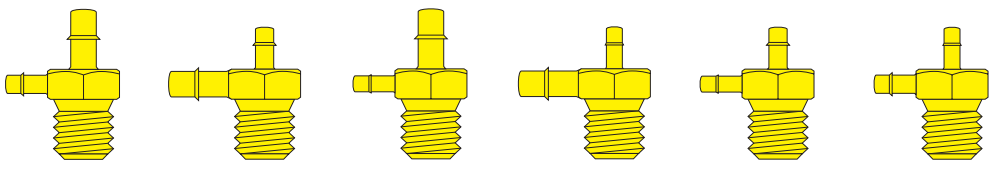


Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/32	.031	Consult Factory		
.040 / 1mm	.040	Consult Factory		
3/64	.045	Consult Factory		
.050	.050	Consult Factory		
1/16	1	Consult Factory		
5/64 / 2mm	2	Consult Factory		
3/32	2 1/2	Consult Factory		

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/8	3	Consult Factory		
5/32 / 4mm	3 1/2	Consult Factory		
.170	4	Consult Factory		
3/16	5	Consult Factory		
7/32	5 1/2	Consult Factory		
6mm	5 3/4	Consult Factory		
1/4	6	Consult Factory		

Part Numbers for 5/16-18 Male Thread to Tube Reducing L-Tees:

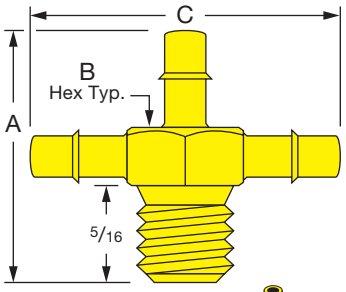
Thread Size → 5/16-18 (Fitting Series) RLT # - # ← 12 O'clock Branch # (9 O'clock Branch #)

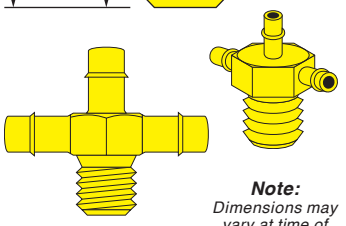


Unless otherwise specified, parts will be Brass. To order other materials, use the following codes:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

279 — 5/16-18 Male Thread to Tube Tees x 3

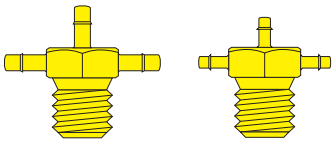
Tube ID	Part Numbers: Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	Dimensions (Reference): A Ref.	B Typ.	C Ref.
1/32	5/16-18T.031x3	5/16-18T.031x3-SS	5/16-18T.031x3-316SS	5/16-18T.031x3-NP	5/8	3/8	11/16
.040 / 1mm	5/16-18T.040x3	5/16-18T.040x3-SS	5/16-18T.040x3-316SS	5/16-18T.040x3-NP	5/8	3/8	11/16
3/64	5/16-18T.045x3	5/16-18T.045x3-SS	5/16-18T.045x3-316SS	5/16-18T.045x3-NP	5/8	3/8	11/16
.050	5/16-18T.050x3	5/16-18T.050x3-SS	5/16-18T.050x3-316SS	5/16-18T.050x3-NP	5/8	3/8	11/16
1/16	5/16-18T1x3	5/16-18T1x3-SS	5/16-18T1x3-316SS	5/16-18T1x3-NP	11/16	3/8	13/16
5/64 / 2mm	5/16-18T2x3	5/16-18T2x3-SS	5/16-18T2x3-316SS	5/16-18T2x3-NP	11/16	3/8	13/16
3/32	5/16-18T2 1/2x3	5/16-18T2 1/2x3-SS	5/16-18T2 1/2x3-316SS	5/16-18T2 1/2x3-NP	11/16	3/8	13/16
1/8	5/16-18T3x3	5/16-18T3x3-SS	5/16-18T3x3-316SS	5/16-18T3x3-NP	25/32	3/8	1
5/32 / 4mm	5/16-18T3 1/2x3	5/16-18T3 1/2x3-SS	5/16-18T3 1/2x3-316SS	5/16-18T3 1/2x3-NP	27/32	3/8	1
.170	5/16-18T4x3	5/16-18T4x3-SS	5/16-18T4x3-316SS	5/16-18T4x3-NP	7/8	3/8	1 1/16
3/16	5/16-18T5x3	5/16-18T5x3-SS	5/16-18T5x3-316SS	5/16-18T5x3-NP	15/16	3/8	1 1/8
7/32	5/16-18T5 1/2x3	5/16-18T5 1/2x3-SS	5/16-18T5 1/2x3-316SS	5/16-18T5 1/2x3-NP	15/16	3/8	1 1/8
6mm	5/16-18T5 3/4x3	5/16-18T5 3/4x3-SS	5/16-18T5 3/4x3-316SS	5/16-18T5 3/4x3-NP	*Consult Factory*		
1/4	5/16-18T6x3	5/16-18T6x3-SS	5/16-18T6x3-316SS	5/16-18T6x3-NP	*Consult Factory*		





5/16-18T4x3

Note: *Dimensions may vary at time of manufacturing.*



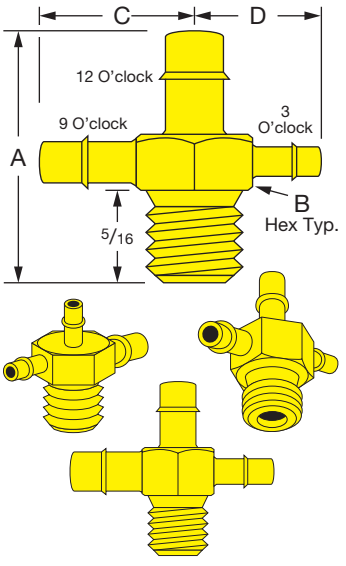
5/16-18T1x3 5/16-18T.045x3

Note: *Images are for visual representation only; not intended for dimensional measurements.*

280 — 5/16-18 Male Thread to Tube Reducing Tees x 3

Tube ID	Branch Number	Dimensions (Reference): A Ref.	B Typ.	C Ref.
1/32	.031	*Consult Factory*		
.040 / 1mm	.040	*Consult Factory*		
3/64	.045	*Consult Factory*		
.050	.050	*Consult Factory*		
1/16	1	*Consult Factory*		
5/64 / 2mm	2	*Consult Factory*		
3/32	2 1/2	*Consult Factory*		

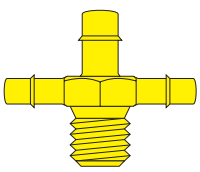
Tube ID	Branch Number	Dimensions (Reference): A Ref.	B Typ.	C Ref.
1/8	3	*Consult Factory*		
5/32 / 4mm	3 1/2	*Consult Factory*		
.170	4	*Consult Factory*		
3/16	5	*Consult Factory*		
7/32	5 1/2	*Consult Factory*		
6mm	5 3/4	*Consult Factory*		
1/4	6	*Consult Factory*		



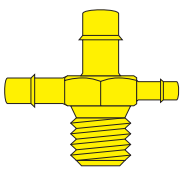
5/16-18RT5-4-3

Part Numbers for 5/16-18 Male Thread to Tube Reducing Tees x 3:

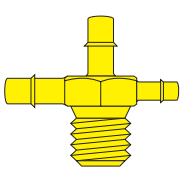
Thread Size → **5/16-18** (Fitting Series) **RT** **#** (9 O'clock Branch #) **-** **#** (12 O'clock Branch #) **-** **#** (3 O'clock Branch #)



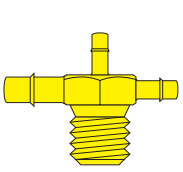
5/16-18RT3-4-3



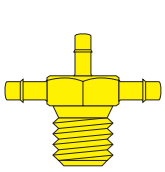
5/16-18RT3-4-2



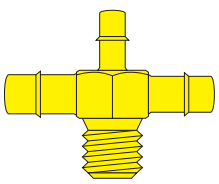
5/16-18RT3-3-2



5/16-18RT3-1-2



5/16-18RT2-1-2

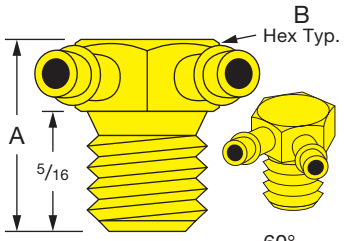


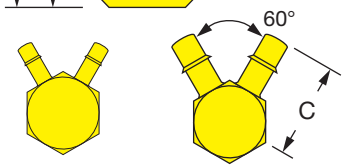
5/16-18RT5-3-4

Unless otherwise specified, parts will be Brass. To order other materials, use the following codes:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

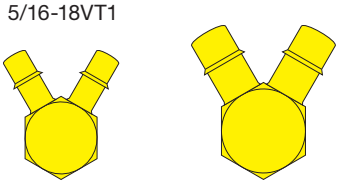
O-Ring options available! Consult factory for details!

5/16-18 Male Thread to Tube V-Tees 281





5/16-18VT1

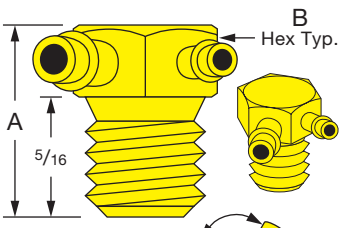


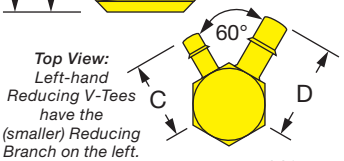
5/16-18VT3 5/16-18VT5

Custom 5/16-18 V-Tees and Reducing V-Tees with 90° and 120° branches also available! Consult factory for details!

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	5/16-18 VT.031	5/16-18VT.031-SS	5/16-18VT.031-316SS	5/16-18VT.031-NP	15/32	3/8	11/32
.040 / 1mm	5/16-18 VT.040	5/16-18VT.040-SS	5/16-18VT.040-316SS	5/16-18VT.040-NP	15/32	3/8	11/32
3/64	5/16-18 VT.045	5/16-18VT.045-SS	5/16-18VT.045-316SS	5/16-18VT.045-NP	15/32	3/8	11/32
.050	5/16-18 VT.050	5/16-18VT.050-SS	5/16-18VT.050-316SS	5/16-18VT.050-NP	15/32	3/8	11/32
1/16	5/16-18VT1	5/16-18VT1-SS	5/16-18VT1-316SS	5/16-18VT1-NP	15/32	3/8	13/32
5/64 / 2mm	5/16-18VT2	5/16-18VT2-SS	5/16-18VT2-316SS	5/16-18VT2-NP	15/32	3/8	13/32
3/32	5/16-18 VT2 1/2	5/16-18VT2 1/2-SS	5/16-18VT2 1/2-316SS	5/16-18VT2 1/2-NP	15/32	3/8	13/32
1/8	5/16-18VT3	5/16-18VT3-SS	5/16-18VT3-316SS	5/16-18VT3-NP	15/32	3/8	1/2
5/32 / 4mm	5/16-18 VT3 1/2	5/16-18VT3 1/2-SS	5/16-18VT3 1/2-316SS	5/16-18VT3 1/2-NP	17/32	3/8	1/2
.170	5/16-18VT4	5/16-18VT4-SS	5/16-18VT4-316SS	5/16-18VT4-NP	17/32	3/8	17/32
3/16	5/16-18VT5	5/16-18VT5-SS	5/16-18VT5-316SS	5/16-18VT5-NP	9/16	7/16	19/32
7/32	5/16-18 VT5 1/2	5/16-18VT5 1/2-SS	5/16-18VT5 1/2-316SS	5/16-18VT5 1/2-NP	9/16	7/16	19/32
6mm	5/16-18 VT5 3/4	5/16-18VT5 3/4-SS	5/16-18VT5 3/4-316SS	5/16-18VT5 3/4-NP	*Consult Factory*		
1/4	5/16-18VT6	5/16-18VT6-SS	5/16-18VT6-316SS	5/16-18VT6-NP	*Consult Factory*		

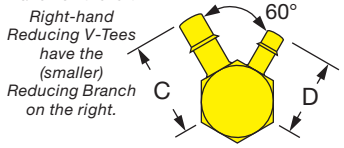
5/16-18 Male Thread to Tube Reducing V-Tees 282

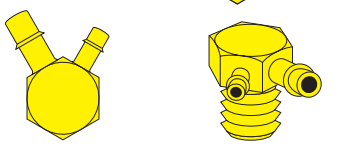




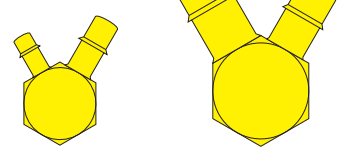
Top View: Left-hand Reducing V-Tees have the (smaller) Reducing Branch on the left.

Right-hand Reducing V-Tees have the (smaller) Reducing Branch on the right.





5/16-18 RVT3-2-RH



5/16-18 RVT3-2-LH 5/16-18RVT 6-5-LH

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	*Consult Factory*			
.040 / 1mm	.040	*Consult Factory*			
3/64	.045	*Consult Factory*			
.050	.050	*Consult Factory*			
1/16	1	*Consult Factory*			
5/64 / 2mm	2	*Consult Factory*			
3/32	2 1/2	*Consult Factory*			

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/8	3	*Consult Factory*			
5/32 / 4mm	3 1/2	*Consult Factory*			
.170	4	*Consult Factory*			
3/16	5	*Consult Factory*			
7/32	5 1/2	*Consult Factory*			
6mm	5 3/4	*Consult Factory*			
1/4	6	*Consult Factory*			

Part Numbers for 5/16-18 Thread to Tube Reducing Right-Hand V-Tees:

Thread Size → 5/16-18 (Fitting Series) RVT # - # - RH ← Right-Hand Indicator

(# - Larger Branch #; # - Smaller Branch #)

Part Numbers for 5/16-18 Thread to Tube Reducing Left-Hand V-Tees:

Thread Size → 5/16-18 (Fitting Series) RVT # - # - LH ← Left-Hand Indicator

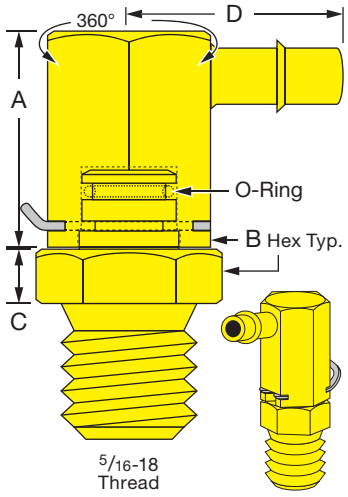
(# - Larger Branch #; # - Smaller Branch #)

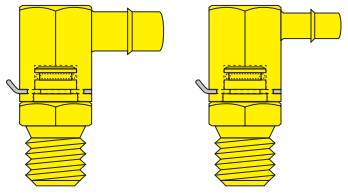
O-Ring options also available! O-Ring materials listed on page 65! Consult factory for details!

Unless otherwise specified, parts will be Brass. To order other materials, use the following codes:
-SS = Stainless Steel 303 **-316SS** = Stainless Steel 316 **-NP** = Electroless Nickel Plate

283 5/16-18 Male Thread to Tube Swivel Elbows with Clip Groove

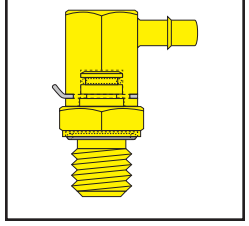
Tube ID	Part Numbers				Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/32	5/16-18SW-LB.031-GT	5/16-18SW-LB.031-GT-SS	5/16-18SW-LB.031-GT-316SS	5/16-18SW-LB.031-GT-NP	Consult Factory			
.040 / 1mm	5/16-18SW-LB.040-GT	5/16-18SW-LB.040-GT-SS	5/16-18SW-LB.040-GT-316SS	5/16-18SW-LB.040-GT-NP	Consult Factory			
3/64	5/16-18SW-LB.045-GT	5/16-18SW-LB.045-GT-SS	5/16-18SW-LB.045-GT-316SS	5/16-18SW-LB.045-GT-NP	Consult Factory			
.050	5/16-18SW-LB.050-GT	5/16-18SW-LB.050-GT-SS	5/16-18SW-LB.050-GT-316SS	5/16-18SW-LB.050-GT-NP	Consult Factory			
1/16	5/16-18SW-LB1-GT	5/16-18SW-LB1-GT-SS	5/16-18SW-LB1-GT-316SS	5/16-18SW-LB1-GT-NP	Consult Factory			
5/64 / 2mm	5/16-18SW-LB2-GT	5/16-18SW-LB2-GT-SS	5/16-18SW-LB2-GT-316SS	5/16-18SW-LB2-GT-NP	Consult Factory			
3/32	5/16-18SW-LB2 1/2-GT	5/16-18SW-LB2 1/2-GT-SS	5/16-18SW-LB2 1/2-GT-316SS	5/16-18SW-LB2 1/2-GT-NP	Consult Factory			
1/8	5/16-18SW-LB3-GT	5/16-18SW-LB3-GT-SS	5/16-18SW-LB3-GT-316SS	5/16-18SW-LB3-GT-NP	Consult Factory			
5/32 / 4mm	5/16-18SW-LB3 1/2-GT	5/16-18SW-LB3 1/2-GT-SS	5/16-18SW-LB3 1/2-GT-316SS	5/16-18SW-LB3 1/2-GT-NP	Consult Factory			
.170	5/16-18SW-LB4-GT	5/16-18SW-LB4-GT-SS	5/16-18SW-LB4-GT-316SS	5/16-18SW-LB4-GT-NP	Consult Factory			
3/16	5/16-18SW-LB5-GT	5/16-18SW-LB5-GT-SS	5/16-18SW-LB5-GT-316SS	5/16-18SW-LB5-GT-NP	Consult Factory			
7/32	5/16-18SW-LB5 1/2-GT	5/16-18SW-LB5 1/2-GT-SS	5/16-18SW-LB5 1/2-GT-316SS	5/16-18SW-LB5 1/2-GT-NP	Consult Factory			
6mm	5/16-18SW-LB5 3/4-GT	5/16-18SW-LB5 3/4-GT-SS	5/16-18SW-LB5 3/4-GT-316SS	5/16-18SW-LB5 3/4-GT-NP	Consult Factory			
1/4	5/16-18SW-LB6-GT	5/16-18SW-LB6-GT-SS	5/16-18SW-LB6-GT-316SS	5/16-18SW-LB6-GT-NP	Consult Factory			





J

O-Ring options available!

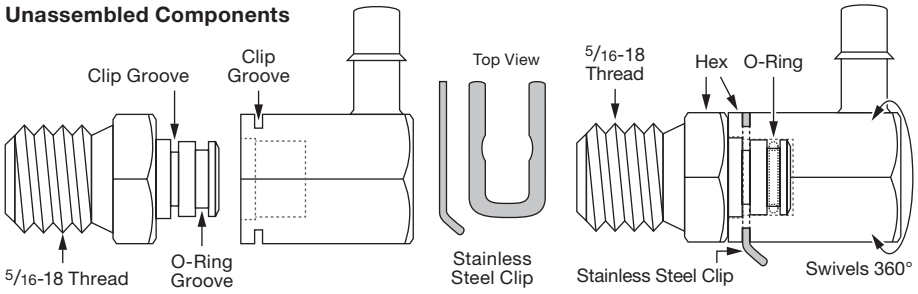


O-Ring material options are listed on page 65!

Consult factory for details!

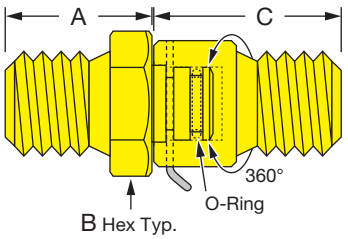
More Swivel fitting options are available through the GT Series!

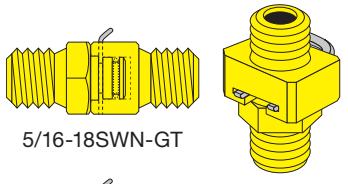
Unassembled Components

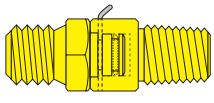


284 5/16-18 Male Thread Swivel Nipples and Reducing Swivel Nipples

9 O'clock Thread Size	3 O'clock Thread Size	Part Numbers					Dimensions (Reference)		
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
5/16-18	5/16-18	5/16-18SWN-GT	5/16-18SWN-GT-SS	5/16-18SWN-GT-316SS	5/16-18SWN-GT-AL	5/16-18SWN-GT-NP	Consult Factory		
5/16-18	1/16	5/16-18RSWN-1/16-GT	5/16-18RSWN-1/16-GT-SS	5/16-18RSWN-1/16-GT-316SS	5/16-18RSWN-1/16-GT-AL	5/16-18RSWN-1/16-GT-NP			
5/16-18	1/4-28	5/16-18RSWN-4-28-GT	5/16-18RSWN-4-28-GT-SS	5/16-18RSWN-4-28-GT-316SS	5/16-18RSWN-4-28-GT-AL	5/16-18RSWN-4-28-GT-NP			
5/16-18	1/4-20	5/16-18RSWN-4-20-GT	5/16-18RSWN-4-20-GT-SS	5/16-18RSWN-4-20-GT-316SS	5/16-18RSWN-4-20-GT-AL	5/16-18RSWN-4-20-GT-NP			
5/16-18	10-32	5/16-18RSWN-10-GT	5/16-18RSWN-10-GT-SS	5/16-18RSWN-10-GT-316SS	5/16-18RSWN-10-GT-AL	5/16-18RSWN-10-GT-NP			

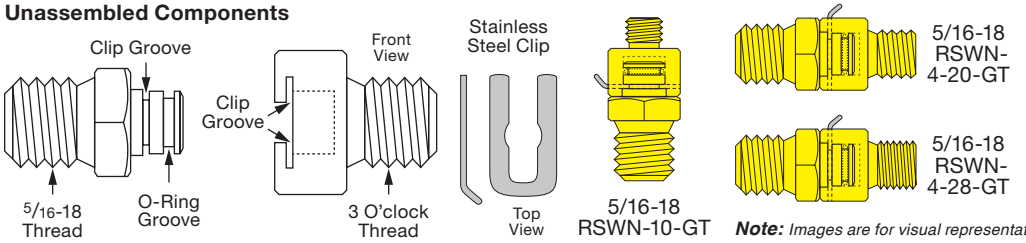






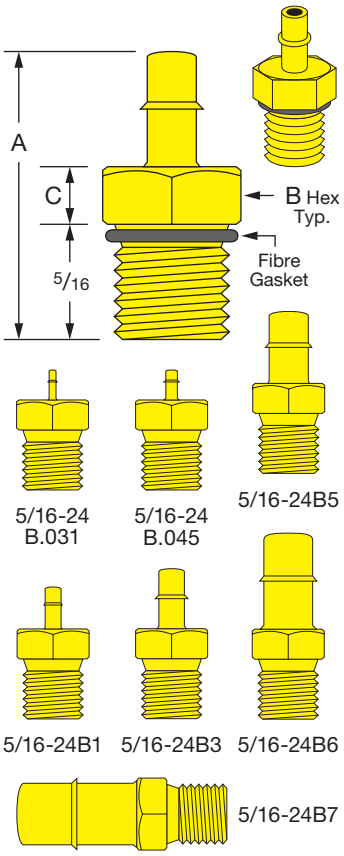
O-Ring options also available!

Unassembled Components



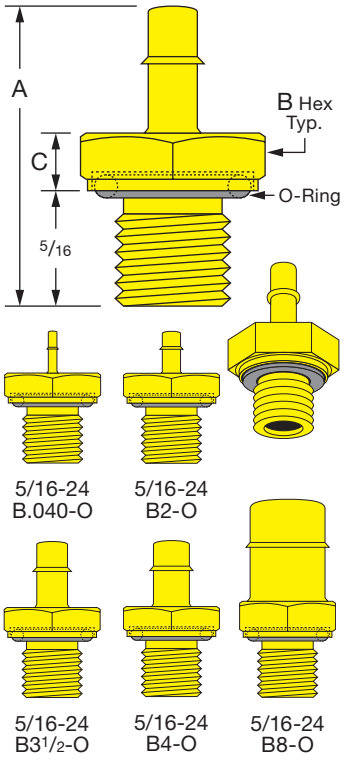
Note: *Images are for visual representation only; not intended for dimensional measurements.*

5/16-24 Male Thread to Tube with Fibre Gasket Supplied 285



Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	5/16-24B.031	5/16-24B.031-SS	5/16-24B.031-316SS	N/A	5/16-24B.031-NP	5/8	3/8	5/32
.040 / 1mm	5/16-24B.040	5/16-24B.040-SS	5/16-24B.040-316SS	N/A	5/16-24B.040-NP	5/8	3/8	5/32
3/64	5/16-24B.045	5/16-24B.045-SS	5/16-24B.045-316SS	N/A	5/16-24B.045-NP	5/8	3/8	5/32
.050	5/16-24B.050	5/16-24B.050-SS	5/16-24B.050-316SS	N/A	5/16-24B.050-NP	5/8	3/8	5/32
1/16	5/16-24B1	5/16-24B1-SS	5/16-24B1-316SS	5/16-24B1-AL	5/16-24B1-NP	11/16	3/8	5/32
5/64 / 2mm	5/16-24B2	5/16-24B2-SS	5/16-24B2-316SS	5/16-24B2-AL	5/16-24B2-NP	11/16	3/8	5/32
3/32	5/16-24B2 1/2	5/16-24B2 1/2-SS	5/16-24B2 1/2-316SS	5/16-24B2 1/2-AL	5/16-24B2 1/2-NP	11/16	3/8	5/32
1/8	5/16-24B3	5/16-24B3-SS	5/16-24B3-316SS	5/16-24B3-AL	5/16-24B3-NP	25/32	3/8	5/32
5/32 / 4mm	5/16-24B3 1/2	5/16-24B3 1/2-SS	5/16-24B3 1/2-316SS	5/16-24B3 1/2-AL	5/16-24B3 1/2-NP	25/32	3/8	5/32
.170	5/16-24B4	5/16-24B4-SS	5/16-24B4-316SS	5/16-24B4-AL	5/16-24B4-NP	13/16	3/8	5/32
3/16	5/16-24B5	5/16-24B5-SS	5/16-24B5-316SS	5/16-24B5-AL	5/16-24B5-NP	27/32	3/8	5/32
7/32	5/16-24B5 1/2	5/16-24B5 1/2-SS	5/16-24B5 1/2-316SS	5/16-24B5 1/2-AL	5/16-24B5 1/2-NP	27/32	3/8	5/32
6mm	5/16-24B5 3/4	5/16-24B5 3/4-SS	5/16-24B5 3/4-316SS	5/16-24B5 3/4-AL	5/16-24B5 3/4-NP	31/32	3/8	5/32
1/4	5/16-24B6	5/16-24B6-SS	5/16-24B6-316SS	5/16-24B6-AL	5/16-24B6-NP	31/32	3/8	5/32
5/16 / 8mm	5/16-24B7	5/16-24B7-SS	5/16-24B7-316SS	5/16-24B7-AL	5/16-24B7-NP	1 3/32	3/8	5/32
3/8	5/16-24B8	5/16-24B8-SS	5/16-24B8-316SS	5/16-24B8-AL	5/16-24B8-NP	1	7/16	5/32

5/16-24 Male Thread to Tube with O-Ring Seal Installed 286

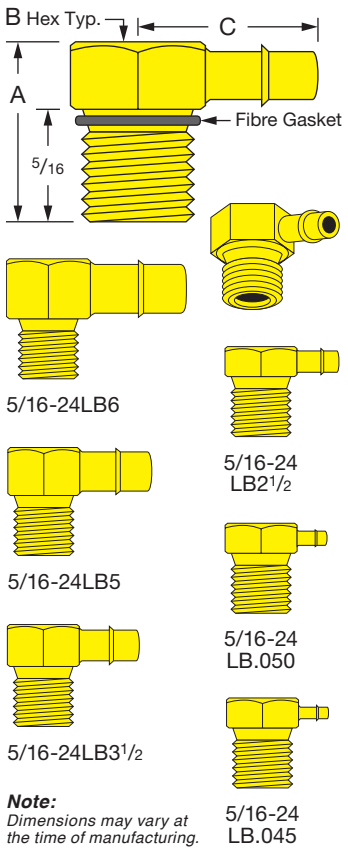


Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	5/16-24B .031-O	5/16-24B.031-O-SS	5/16-24B.031-O-316SS	N/A	5/16-24B.031-O-NP	5/8	1/2	5/32
.040 / 1mm	5/16-24B .040-O	5/16-24B.040-O-SS	5/16-24B.040-O-316SS	N/A	5/16-24B.040-O-NP	11/16	1/2	5/32
3/64	5/16-24B .045-O	5/16-24B.045-O-SS	5/16-24B.045-O-316SS	N/A	5/16-24B.045-O-NP	11/16	1/2	5/32
.050	5/16-24B .050-O	5/16-24B.050-O-SS	5/16-24B.050-O-316SS	N/A	5/16-24B.050-O-NP	11/16	1/2	5/32
1/16	5/16-24B1-O	5/16-24B1-O-SS	5/16-24B1-O-316SS	5/16-24B1-O-AL	5/16-24B1-O-NP	11/16	1/2	5/32
5/64 / 2mm	5/16-24B2-O	5/16-24B2-O-SS	5/16-24B2-O-316SS	5/16-24B2-O-AL	5/16-24B2-O-NP	11/16	1/2	5/32
3/32	5/16-24B2 1/2-O	5/16-24B2 1/2-O-SS	5/16-24B2 1/2-O-316SS	5/16-24B2 1/2-O-AL	5/16-24B2 1/2-O-NP	11/16	1/2	5/32
1/8	5/16-24B3-O	5/16-24B3-O-SS	5/16-24B3-O-316SS	5/16-24B3-O-AL	5/16-24B3-O-NP	13/16	1/2	5/32
5/32 / 4mm	5/16-24B 3 1/2-O	5/16-24B3 1/2-O-SS	5/16-24B3 1/2-O-316SS	5/16-24B3 1/2-O-AL	5/16-24B3 1/2-O-NP	13/16	1/2	5/32
.170	5/16-24B4-O	5/16-24B4-O-SS	5/16-24B4-O-316SS	5/16-24B4-O-AL	5/16-24B4-O-NP	13/16	1/2	5/32
3/16	5/16-24B5-O	5/16-24B5-O-SS	5/16-24B5-O-316SS	5/16-24B5-O-AL	5/16-24B5-O-NP	27/32	1/2	5/32
7/32	5/16-24B 5 1/2-O	5/16-24B5 1/2-O-SS	5/16-24B5 1/2-O-316SS	5/16-24B5 1/2-O-AL	5/16-24B5 1/2-O-NP	27/32	1/2	5/32
6mm	5/16-24B 5 3/4-O	5/16-24B5 3/4-O-SS	5/16-24B5 3/4-O-316SS	5/16-24B5 3/4-O-AL	5/16-24B5 3/4-O-NP	31/32	1/2	5/32
1/4	5/16-24B6-O	5/16-24B6-O-SS	5/16-24B6-O-316SS	5/16-24B6-O-AL	5/16-24B6-O-NP	31/32	1/2	5/32
5/16 / 8mm	5/16-24B7-O	5/16-24B7-O-SS	5/16-24B7-O-316SS	5/16-24B7-O-AL	5/16-24B7-O-NP	1 3/32	1/2	5/32
3/8	5/16-24B8-O	5/16-24B8-O-SS	5/16-24B8-O-316SS	5/16-24B8-O-AL	5/16-24B8-O-NP	1 1/16	1/2	3/16

O-Ring materials on page 65!

287 5/16-24 Male Thread to Tube Elbows with Fibre Gasket Supplied

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	5/16-24LB.031	5/16-24LB.031-SS	5/16-24LB.031-316SS	5/16-24LB.031-NP	15/32	3/8	11/32
.040 / 1mm	5/16-24LB.040	5/16-24LB.040-SS	5/16-24LB.040-316SS	5/16-24LB.040-NP	15/32	3/8	11/32
3/64	5/16-24LB.045	5/16-24LB.045-SS	5/16-24LB.045-316SS	5/16-24LB.045-NP	15/32	3/8	11/32
.050	5/16-24LB.050	5/16-24LB.050-SS	5/16-24LB.050-316SS	5/16-24LB.050-NP	15/32	3/8	11/32
1/16	5/16-24LB1	5/16-24LB1-SS	5/16-24LB1-316SS	5/16-24LB1-NP	15/32	3/8	13/32
5/64 / 2mm	5/16-24LB2	5/16-24LB2-SS	5/16-24LB2-316SS	5/16-24LB2-NP	15/32	3/8	13/32
3/32	5/16-24LB2 1/2	5/16-24LB2 1/2-SS	5/16-24LB2 1/2-316SS	5/16-24LB2 1/2-NP	15/32	3/8	13/32
1/8	5/16-24LB3	5/16-24LB3-SS	5/16-24LB3-316SS	5/16-24LB3-NP	15/32	3/8	1/2
5/32 / 4mm	5/16-24LB3 1/2	5/16-24LB3 1/2-SS	5/16-24LB3 1/2-316SS	5/16-24LB3 1/2-NP	17/32	3/8	1/2
.170	5/16-24LB4	5/16-24LB4-SS	5/16-24LB4-316SS	5/16-24LB4-NP	17/32	3/8	17/32
3/16	5/16-24LB5	5/16-24LB5-SS	5/16-24LB5-316SS	5/16-24LB5-NP	9/16	3/8	9/16
7/32	5/16-24LB5 1/2	5/16-24LB5 1/2-SS	5/16-24LB5 1/2-316SS	5/16-24LB5 1/2-NP	9/16	3/8	9/16
6mm	5/16-24LB5 3/4	5/16-24LB5 3/4-SS	5/16-24LB5 3/4-316SS	5/16-24LB5 3/4-NP	Consult Factory		
1/4	5/16-24LB6	5/16-24LB6-SS	5/16-24LB6-316SS	5/16-24LB6-NP	Consult Factory		
5/16 / 8mm	5/16-24LB7	5/16-24LB7-SS	5/16-24LB7-316SS	5/16-24LB7-NP	Consult Factory		
3/8	5/16-24LB8	5/16-24LB8-SS	5/16-24LB8-316SS	5/16-24LB8-NP	Consult Factory		

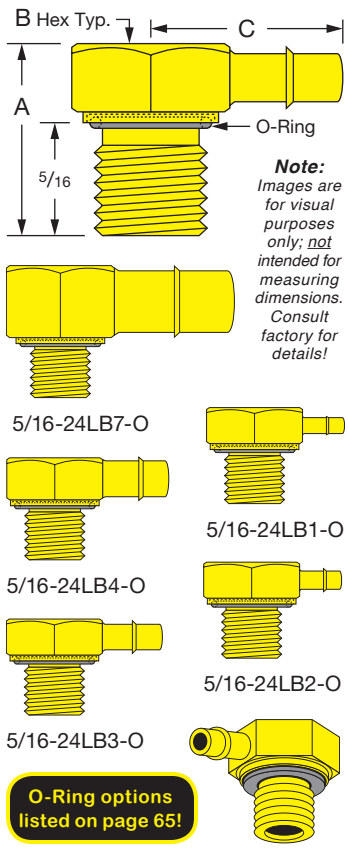


Note:
Dimensions may vary at the time of manufacturing.

K

288 5/16-24 Male Thread to Tube Elbows with O-Ring Seal Installed

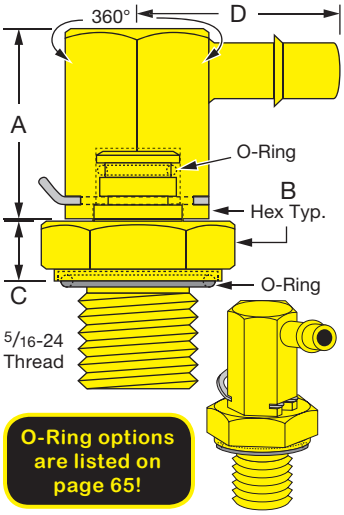
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	5/16-24 LB.031-O	5/16-24LB.031-O-SS	5/16-24LB.031-O-316SS	5/16-24LB.031-O-NP	17/32	1/2	13/32
.040 / 1mm	5/16-24 LB.040-O	5/16-24LB.040-O-SS	5/16-24LB.040-O-316SS	5/16-24LB.040-O-NP	17/32	1/2	15/32
3/64	5/16-24 LB.045-O	5/16-24LB.045-O-SS	5/16-24LB.045-O-316SS	5/16-24LB.045-O-NP	17/32	1/2	13/32
.050	5/16-24 LB.050-O	5/16-24LB.050-O-SS	5/16-24LB.050-O-316SS	5/16-24LB.050-O-NP	17/32	1/2	13/32
1/16	5/16-24LB1-O	5/16-24LB1-O-SS	5/16-24LB1-O-316SS	5/16-24LB1-O-NP	17/32	1/2	15/32
5/64 / 2mm	5/16-24LB2-O	5/16-24LB2-O-SS	5/16-24LB2-O-316SS	5/16-24LB2-O-NP	17/32	1/2	15/32
3/32	5/16-24 LB2 1/2-O	5/16-24LB2 1/2-O-SS	5/16-24LB2 1/2-O-316SS	5/16-24LB2 1/2-O-NP	17/32	1/2	15/32
1/8	5/16-24LB3-O	5/16-24LB3-O-SS	5/16-24LB3-O-316SS	5/16-24LB3-O-NP	17/32	1/2	19/32
5/32 / 4mm	5/16-24 LB3 1/2-O	5/16-24LB3 1/2-O-SS	5/16-24LB3 1/2-O-316SS	5/16-24LB3 1/2-O-NP	13/16	1/2	5/8
.170	5/16-24LB4-O	5/16-24LB4-O-SS	5/16-24LB4-O-316SS	5/16-24LB4-O-NP	13/16	1/2	5/8
3/16	5/16-24LB5-O	5/16-24LB5-O-SS	5/16-24LB5-O-316SS	5/16-24LB5-O-NP	13/16	1/2	5/8
7/32	5/16-24 LB5 1/2-O	5/16-24LB5 1/2-O-SS	5/16-24LB5 1/2-O-316SS	5/16-24LB5 1/2-O-NP	13/16	1/2	23/32
6mm	5/16-24 LB5 3/4-O	5/16-24LB5 3/4-O-SS	5/16-24LB5 3/4-O-316SS	5/16-24LB5 3/4-O-NP	Consult Factory		
1/4	5/16-24LB6-O	5/16-24LB6-O-SS	5/16-24LB6-O-316SS	5/16-24LB6-O-NP	Consult Factory		
5/16 / 8mm	5/16-24LB7-O	5/16-24LB7-O-SS	5/16-24LB7-O-316SS	5/16-24LB7-O-NP	Consult Factory		
3/8	5/16-24LB8-O	5/16-24LB8-O-SS	5/16-24LB8-O-316SS	5/16-24LB8-O-NP	Consult Factory		



Note:
Images are for visual purposes only; not intended for measuring dimensions. Consult factory for details!

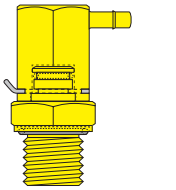
O-Ring options listed on page 65!

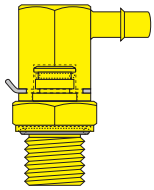
5/16-24 Male Thread to Tube Swivel Elbows with Clip Groove — 289



O-Ring options are listed on page 65!

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	5/16-24SW-LB.031-GT	5/16-24SW-LB.031-GT-SS	5/16-24SW-LB.031-GT-316SS	5/16-24SW-LB.031-GT-NP	Consult Factory	Consult Factory	Consult Factory
.040 / 1mm	5/16-24SW-LB.040-GT	5/16-24SW-LB.040-GT-SS	5/16-24SW-LB.040-GT-316SS	5/16-24SW-LB.040-GT-NP			
3/64	5/16-24SW-LB.045-GT	5/16-24SW-LB.045-GT-SS	5/16-24SW-LB.045-GT-316SS	5/16-24SW-LB.045-GT-NP			
.050	5/16-24SW-LB.050-GT	5/16-24SW-LB.050-GT-SS	5/16-24SW-LB.050-GT-316SS	5/16-24SW-LB.050-GT-NP			
1/16	5/16-24SW-LB1-GT	5/16-24SW-LB1-GT-SS	5/16-24SW-LB1-GT-316SS	5/16-24SW-LB1-GT-NP			
5/64 / 2mm	5/16-24SW-LB2-GT	5/16-24SW-LB2-GT-SS	5/16-24SW-LB2-GT-316SS	5/16-24SW-LB2-GT-NP			
3/32	5/16-24SW-LB2 1/2-GT	5/16-24SW-LB2 1/2-GT-SS	5/16-24SW-LB2 1/2-GT-316SS	5/16-24SW-LB2 1/2-GT-NP			
1/8	5/16-24SW-LB3-GT	5/16-24SW-LB3-GT-SS	5/16-24SW-LB3-GT-316SS	5/16-24SW-LB3-GT-NP			
5/32 / 4mm	5/16-24SW-LB3 1/2-GT	5/16-24SW-LB3 1/2-GT-SS	5/16-24SW-LB3 1/2-GT-316SS	5/16-24SW-LB3 1/2-GT-NP			
.170	5/16-24SW-LB4-GT	5/16-24SW-LB4-GT-SS	5/16-24SW-LB4-GT-316SS	5/16-24SW-LB4-GT-NP			
3/16	5/16-24SW-LB5-GT	5/16-24SW-LB5-GT-SS	5/16-24SW-LB5-GT-316SS	5/16-24SW-LB5-GT-NP			
7/32	5/16-24SW-LB5 1/2-GT	5/16-24SW-LB5 1/2-GT-SS	5/16-24SW-LB5 1/2-GT-316SS	5/16-24SW-LB5 1/2-GT-NP			
6mm	5/16-24SW-LB5 3/4-GT	5/16-24SW-LB5 3/4-GT-SS	5/16-24SW-LB5 3/4-GT-316SS	5/16-24SW-LB5 3/4-GT-NP			
1/4	5/16-24SW-LB6-GT	5/16-24SW-LB6-GT-SS	5/16-24SW-LB6-GT-316SS	5/16-24SW-LB6-GT-NP			


5/16-24 SW-LB1-GT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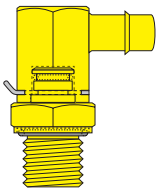
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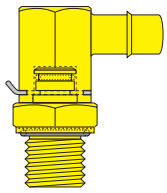
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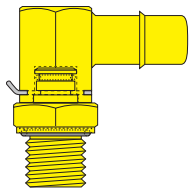
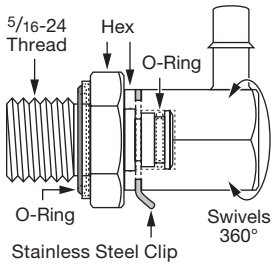
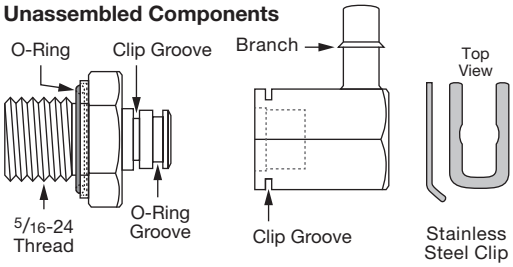
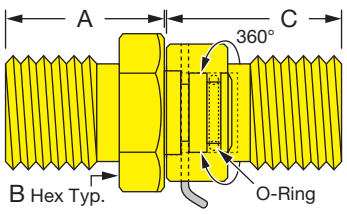
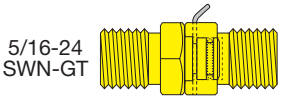

5/16-24 SW-LB6-GT



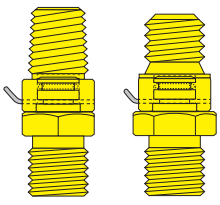


5/16-24 Male Thread Swivel Nipples and Reducing Swivel Nipples — 290

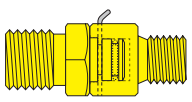



5/16-24 SWN-GT

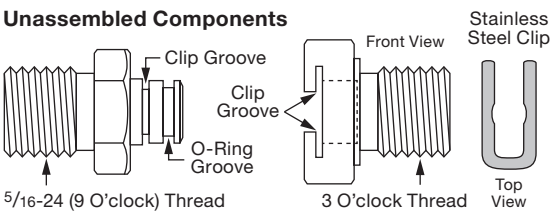
9 O'clock Thread Size	3 O'clock Thread Size	Part Numbers					Dimensions (Reference)		
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
5/16-24	5/16-24	5/16-24 SWN-GT	5/16-24SWN-GT-SS	5/16-24SWN-GT-316SS	5/16-24SWN-GT-AL	5/16-24SWN-GT-NP	Consult Factory	Consult Factory	Consult Factory
5/16-24	5/16-18	5/16-24RSWN-5/16-18-GT	5/16-24RSWN-5/16-18-GT-SS	5/16-24RSWN-5/16-18-GT-316SS	5/16-24RSWN-5/16-18-GT-AL	5/16-24RSWN-5/16-18-GT-NP			
5/16-24	1/16	5/16-24RSWN-1/16-GT	5/16-24RSWN-1/16-GT-SS	5/16-24RSWN-1/16-GT-316SS	5/16-24RSWN-1/16-GT-AL	5/16-24RSWN-1/16-GT-NP			
5/16-24	1/4-28	5/16-24RSWN-4-28-GT	5/16-24RSWN-4-28-GT-SS	5/16-24RSWN-4-28-GT-316SS	5/16-24RSWN-4-28-GT-AL	5/16-24RSWN-4-28-GT-NP			
5/16-24	1/4-20	5/16-24RSWN-4-20-GT	5/16-24RSWN-4-20-GT-SS	5/16-24RSWN-4-20-GT-316SS	5/16-24RSWN-4-20-GT-AL	5/16-24RSWN-4-20-GT-NP			
5/16-24	10-32	5/16-24RSWN-10-GT	5/16-24RSWN-10-GT-SS	5/16-24RSWN-10-GT-316SS	5/16-24RSWN-10-GT-AL	5/16-24RSWN-10-GT-NP			

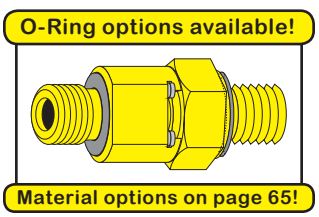

5/16-24 RSWN-1/16-GT

5/16-24 RSWN-5/16-18-GT


5/16-24RSWN-4-28-GT

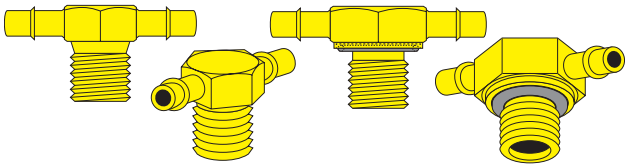
Note: *Images are for visual representation only; not intended for dimensional measurements.*



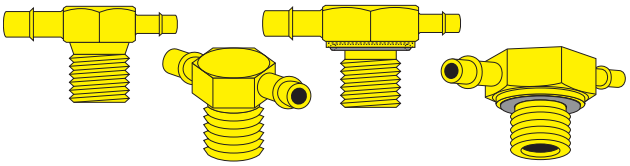


5/16-24 Thread to Tube Options with Fibre Gaskets Supplied or O-Rings Installed

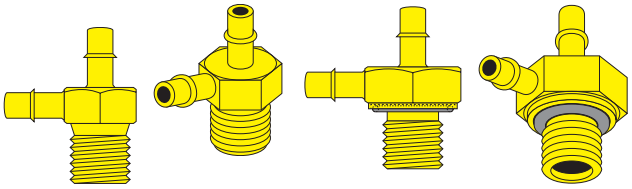
5/16-24 Tees



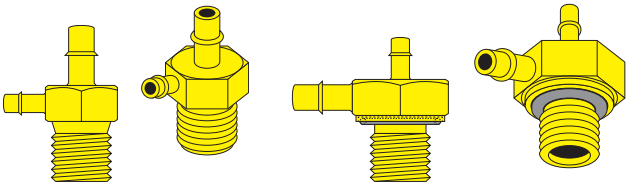
5/16-24 Reducing Tees



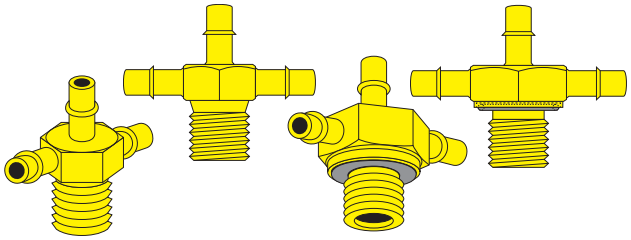
5/16-24 L-Tees



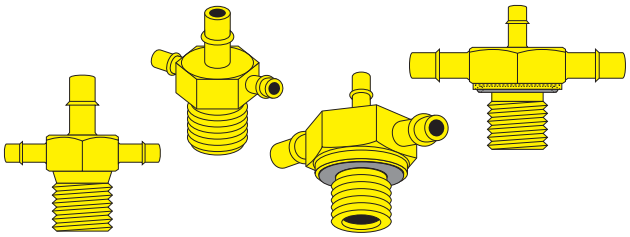
5/16-24 Reducing L-Tees



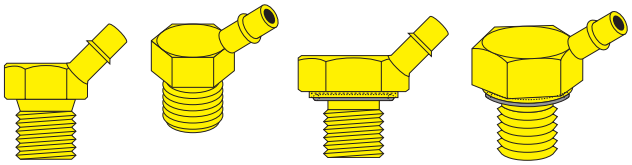
5/16-24 Tee x 3



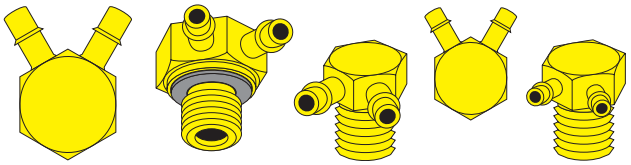
5/16-24 Reducing Tee x 3



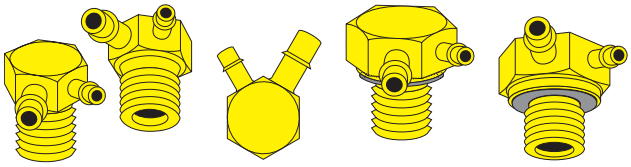
5/16-24 45° Elbows



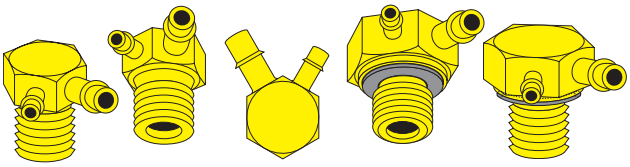
5/16-24 V-Tees



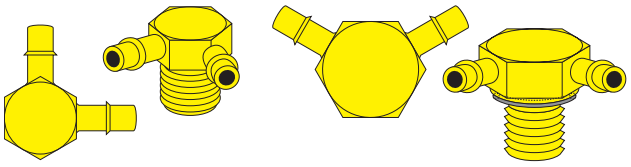
5/16-24 Reducing Left-Hand V-Tees



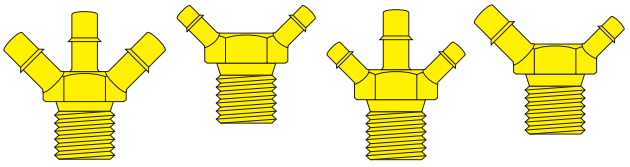
5/16-24 Reducing Right-Hand V-Tees



5/16-24 90° & 120° V-Tees



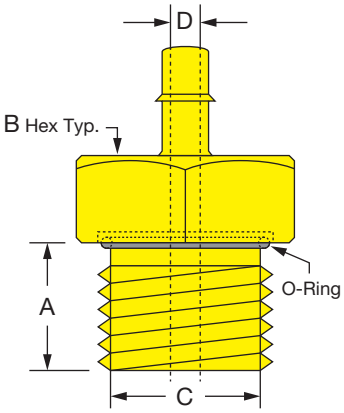
5/16-24 Thread to Tube Custom Fittings



Quantities & lead times apply! Consult factory for details!

O-Ring material options listed on page 65!

SAE Male Thread to Tube Fittings with O-Ring Supplied 291



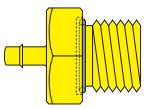
Unified Screw Thread (UNF-2A Thread Size)	Dimensions			
	A	B	C	D
3/8-24	.287/.303	1/2	.310/.315	.125/.132
7/16-20	.350/.366	9/16	.361/.366	.177/.184
1/2-20	.350/.366	5/8	.424/.429	.236/.245
9/16-18	.386/.402	11/16	.479/.484	.295/.304
3/4-16	.429/.455	7/8	.657/.662	.394/.403
7/8-14	.492/.508	1	.770/.775	.492/.503

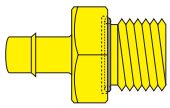
SAE Standards!

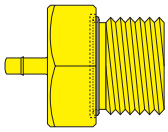
O-Ring material options are listed on page 65!

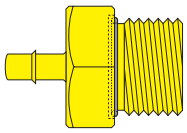
Part Numbers for SAE UNF Male Thread to Tube Fittings:

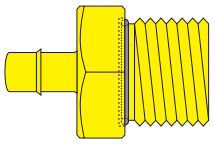
Thread Size → #/#-## - B ← Fitting Series # ← Branch Number


3/8-24-UNF-2A-B2

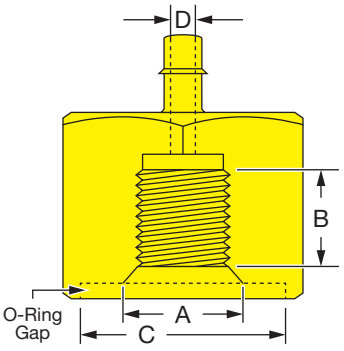

3/8-24-UNF-2A-B4


1/2-20-UNF-2A-B1

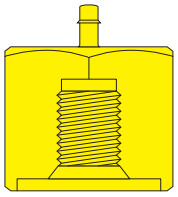

1/2-20-UNF-2A-B3


9/16-18-UNF-2A-B5

SAE Female Thread to Tube Fittings with O-Ring Supplied 292



Unified Screw Thread (UNF-2B Thread Size)	Dimensions			
	A	B	C	D
3/8-24	.421/.425	.394	.748	.138
7/16-20	.488/.492	.453	.827	.177
1/2-20	.551/.555	.453	.906	.236
9/16-18	.616/.620	.500	.984	.295
3/4-16	.811/.815	.563	1.181	.394
7/8-14	.943/.948	.657	1.339	.492


3/8-24-UNF-2A-FB2

Part Numbers for SAE UNF Female Thread to Tube Fittings:

Thread Size → #/#-## - FB ← Fitting Series # ← Branch Number

SAE UNF Thread to Tube Branch Sizes and Material Options

Branches	
Tube ID	Branch Number
1/32	.031
.040 / 1mm	.040
3/64	.045
.050	.050

Branches	
Tube ID	Branch Number
1/16	1
5/64 / 2mm	2
3/32	2 1/2

Branches	
Tube ID	Branch Number
1/8	3
5/32 /4mm	3 1/2
.170	4

Branches	
Tube ID	Branch Number
3/16	5
7/32	5 1/2
6mm	5 3/4
1/4	6

Unless otherwise specified, parts will be Brass.

To order other materials, please add the following codes to the part numbers:

-SS = Stainless 303

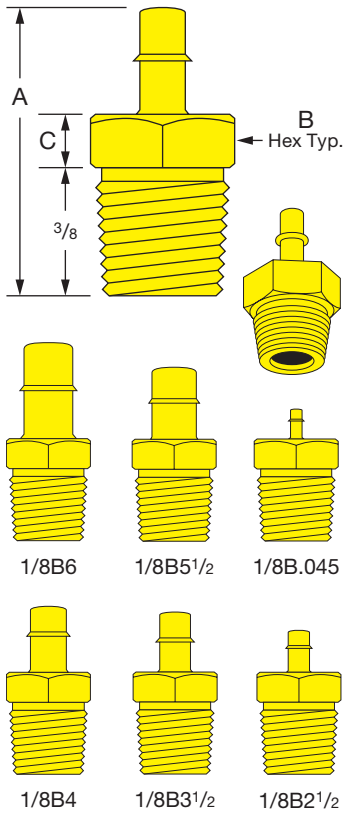
-316SS = Stainless Steel 316

-AL = Aluminum 6061-T6

-NP = Electroless Nickel Plate

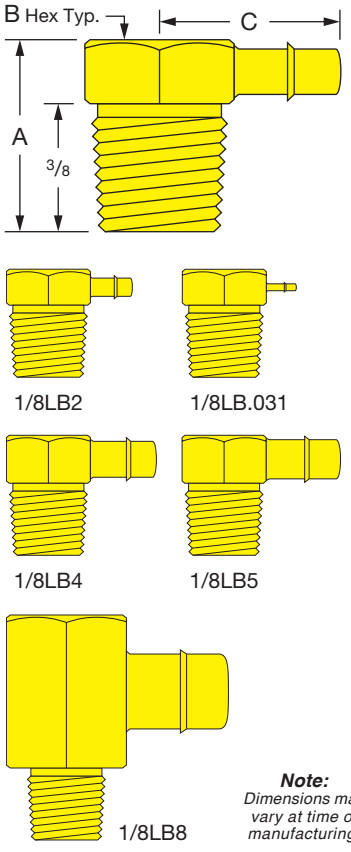
293 — 1/8 NPT Male Thread to Tube

Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/8B.031	1/8B.031-SS	1/8B.031-316SS	N/A	1/8B.031-NP	11/16	7/16	5/32
.040 / 1mm	1/8B.040	1/8B.040-SS	1/8B.040-316SS	N/A	1/8B.040-NP	11/16	7/16	5/32
3/64	1/8B.045	1/8B.045-SS	1/8B.045-316SS	N/A	1/8B.045-NP	11/16	7/16	5/32
.050	1/8B.050	1/8B.050-SS	1/8B.050-316SS	N/A	1/8B.050-NP	11/16	7/16	5/32
1/16	1/8B1	1/8B1-SS	1/8B1-316SS	1/8B1-AL	1/8B1-NP	3/4	7/16	5/32
5/64 / 2mm	1/8B2	1/8B2-SS	1/8B2-316SS	1/8B2-AL	1/8B2-NP	3/4	7/16	5/32
3/32	1/8B2 1/2	1/8B2 1/2-SS	1/8B2 1/2-316SS	1/8B2 1/2-AL	1/8B2 1/2-NP	3/4	7/16	5/32
1/8	1/8B3	1/8B3-SS	1/8B3-316SS	1/8B3-AL	1/8B3-NP	27/32	7/16	5/32
5/32 / 4mm	1/8B3 1/2	1/8B3 1/2-SS	1/8B3 1/2-316SS	1/8B3 1/2-AL	1/8B3 1/2-NP	27/32	7/16	5/32
.170	1/8B4	1/8B4-SS	1/8B4-316SS	1/8B4-AL	1/8B4-NP	27/32	7/16	5/32
3/16	1/8B5	1/8B5-SS	1/8B5-316SS	1/8B5-AL	1/8B5-NP	31/32	7/16	7/32
7/32	1/8B5 1/2	1/8B5 1/2-SS	1/8B5 1/2-316SS	1/8B5 1/2-AL	1/8B5 1/2-NP	31/32	7/16	7/32
6mm	1/8B5 3/4	1/8B5 3/4-SS	1/8B5 3/4-316SS	1/8B5 3/4-AL	1/8B5 3/4-NP	1 1/32	7/16	5/32
1/4	1/8B6	1/8B6-SS	1/8B6-316SS	1/8B6-AL	1/8B6-NP	1 1/32	7/16	5/32
5/16 / 8mm	1/8B7	1/8B7-SS	1/8B7-316SS	1/8B7-AL	1/8B7-NP	1 7/16	7/16	5/32
3/8	1/8B8	1/8B8-SS	1/8B8-316SS	1/8B8-AL	1/8B8-NP	1 1/16	7/16	5/32
1/2	1/8B10	1/8B10-SS	1/8B10-316SS	1/8B10-AL	1/8B10-NP	1 9/16	5/8	3/16



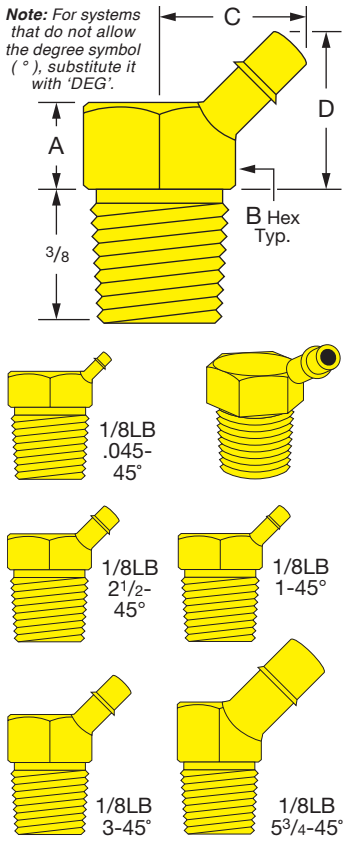
294 — 1/8 NPT Male Thread to Tube Elbows

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/8LB.031	1/8LB.031-SS	1/8LB.031-316SS	1/8LB.031-NP	9/16	7/16	3/8
.040 / 1mm	1/8LB.040	1/8LB.040-SS	1/8LB.040-316SS	1/8LB.040-NP	9/16	7/16	3/8
3/64	1/8LB.045	1/8LB.045-SS	1/8LB.045-316SS	1/8LB.045-NP	9/16	7/16	3/8
.050	1/8LB.050	1/8LB.050-SS	1/8LB.050-316SS	1/8LB.050-NP	9/16	7/16	3/8
1/16	1/8LB1	1/8LB1-SS	1/8LB1-316SS	1/8LB1-NP	9/16	7/16	7/16
5/64 / 2mm	1/8LB2	1/8LB2-SS	1/8LB2-316SS	1/8LB2-NP	9/16	7/16	7/16
3/32	1/8LB2 1/2	1/8LB2 1/2-SS	1/8LB2 1/2-316SS	1/8LB2 1/2-NP	9/16	7/16	7/16
1/8	1/8LB3	1/8LB3-SS	1/8LB3-316SS	1/8LB3-NP	9/16	7/16	17/32
5/32 / 4mm	1/8LB3 1/2	1/8LB3 1/2-SS	1/8LB3 1/2-316SS	1/8LB3 1/2-NP	9/16	7/16	17/32
.170	1/8LB4	1/8LB4-SS	1/8LB4-316SS	1/8LB4-NP	5/8	7/16	9/16
3/16	1/8LB5	1/8LB5-SS	1/8LB5-316SS	1/8LB5-NP	5/8	7/16	19/32
7/32	1/8LB5 1/2	1/8LB5 1/2-SS	1/8LB5 1/2-316SS	1/8LB5 1/2-NP	5/8	7/16	19/32
6mm	1/8LB5 3/4	1/8LB5 3/4-SS	1/8LB5 3/4-316SS	1/8LB5 3/4-NP	11/16	7/16	23/32
1/4	1/8LB6	1/8LB6-SS	1/8LB6-316SS	1/8LB6-NP	11/16	7/16	23/32
5/16 / 8mm	1/8LB7	1/8LB7-SS	1/8LB7-316SS	1/8LB7-NP	27/32	7/16	27/32
3/8	1/8LB8	1/8LB8-SS	1/8LB8-316SS	1/8LB8-NP	1 11/64	5/8	27/32
1/2	1/8LB10	1/8LB10-SS	1/8LB10-316SS	1/8LB10-NP	1 11/64	5/8	1 1/16



Note: *Dimensions may vary at time of manufacturing.*

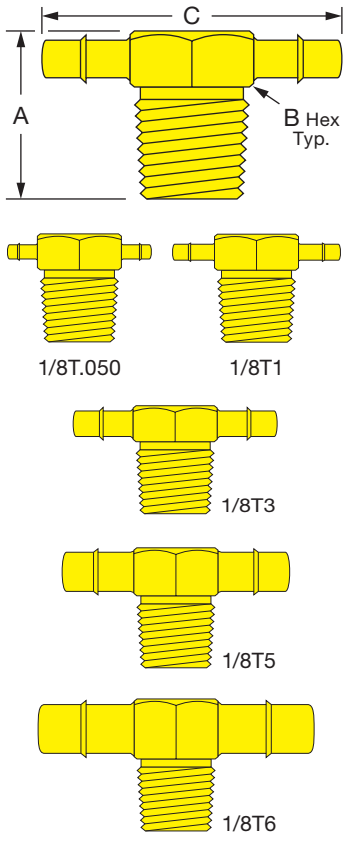
1/8 NPT Male Thread to Tube 45° Elbows 295



Tube ID	Part Numbers				Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/32	1/8LB.031-45°	1/8LB.031-45°-SS	1/8LB.031-45°-316SS	1/8LB.031-45°-NP	3/16	7/16		
.040 / 1mm	1/8LB.040-45°	1/8LB.040-45°-SS	1/8LB.040-45°-316SS	1/8LB.040-45°-NP	3/16	7/16		
3/64	1/8LB.045-45°	1/8LB.045-45°-SS	1/8LB.045-45°-316SS	1/8LB.045-45°-NP	3/16	7/16		
.050	1/8LB.050-45°	1/8LB.050-45°-SS	1/8LB.050-45°-316SS	1/8LB.050-45°-NP	3/16	7/16		
1/16	1/8LB1-45°	1/8LB1-45°-SS	1/8LB1-45°-316SS	1/8LB1-45°-NP	3/16	7/16		
5/64 / 2mm	1/8LB2-45°	1/8LB2-45°-SS	1/8LB2-45°-316SS	1/8LB2-45°-NP	3/16	7/16		
3/32	1/8LB2 1/2-45°	1/8LB2 1/2-45°-SS	1/8LB2 1/2-45°-316SS	1/8LB2 1/2-45°-NP	3/16	7/16		
1/8	1/8LB3-45°	1/8LB3-45°-SS	1/8LB3-45°-316SS	1/8LB3-45°-NP	3/16	7/16		
5/32 / 4mm	1/8LB3 1/2-45°	1/8LB3 1/2-45°-SS	1/8LB3 1/2-45°-316SS	1/8LB3 1/2-45°-NP	3/16	7/16		
.170	1/8LB4-45°	1/8LB4-45°-SS	1/8LB4-45°-316SS	1/8LB4-45°-NP	3/16	7/16		
3/16	1/8LB5-45°	1/8LB5-45°-SS	1/8LB5-45°-316SS	1/8LB5-45°-NP	1/4	7/16		
7/32	1/8LB5 1/2-45°	1/8LB5 1/2-45°-SS	1/8LB5 1/2-45°-316SS	1/8LB5 1/2-45°-NP	1/4	7/16		
6mm	1/8LB5 3/4-45°	1/8LB5 3/4-45°-SS	1/8LB5 3/4-45°-316SS	1/8LB5 3/4-45°-NP	1/4	7/16		
1/4	1/8LB6-45°	1/8LB6-45°-SS	1/8LB6-45°-316SS	1/8LB6-45°-NP	1/4	7/16		
5/16 / 8mm	1/8LB7-45°	1/8LB7-45°-SS	1/8LB7-45°-316SS	1/8LB7-45°-NP	15/32	7/16		
3/8	1/8LB8-45°	1/8LB8-45°-SS	1/8LB8-45°-316SS	1/8LB8-45°-NP	45/64	5/8		
1/2	1/8LB10-45°	1/8LB10-45°-SS	1/8LB10-45°-316SS	1/8LB10-45°-NP	45/64	3/4		

Consult Factory Consult Factory Consult Factory Consult Factory

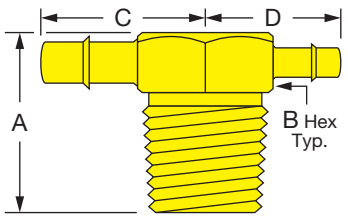
1/8 NPT Male Thread to Tube Tees 296

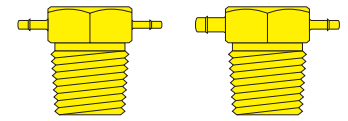


Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/8T.031	1/8T.031-SS	1/8T.031-316SS	1/8T.031-NP	9/16	7/16	3/4
.040 / 1mm	1/8T.040	1/8T.040-SS	1/8T.040-316SS	1/8T.040-NP	9/16	7/16	3/4
3/64	1/8T.045	1/8T.045-SS	1/8T.045-316SS	1/8T.045-NP	9/16	7/16	3/4
.050	1/8T.050	1/8T.050-SS	1/8T.050-316SS	1/8T.050-NP	9/16	7/16	3/4
1/16	1/8T1	1/8T1-SS	1/8T1-316SS	1/8T1-NP	9/16	7/16	7/8
5/64 / 2mm	1/8T2	1/8T2-SS	1/8T2-316SS	1/8T2-NP	9/16	7/16	7/8
3/32	1/8T2 1/2	1/8T2 1/2-SS	1/8T2 1/2-316SS	1/8T2 1/2-NP	9/16	7/16	7/8
1/8	1/8T3	1/8T3-SS	1/8T3-316SS	1/8T3-NP	9/16	7/16	1 1/16
5/32 / 4mm	1/8T3 1/2	1/8T3 1/2-SS	1/8T3 1/2-316SS	1/8T3 1/2-NP	9/16	7/16	1 1/16
.170	1/8T4	1/8T4-SS	1/8T4-316SS	1/8T4-NP	5/8	7/16	1 5/32
3/16	1/8T5	1/8T5-SS	1/8T5-316SS	1/8T5-NP	5/8	7/16	1 3/16
7/32	1/8T5 1/2	1/8T5 1/2-SS	1/8T5 1/2-316SS	1/8T5 1/2-NP	5/8	7/16	1 3/16
6mm	1/8T5 3/4	1/8T5 3/4-SS	1/8T5 3/4-316SS	1/8T5 3/4-NP	1 1/16	7/16	1 7/16
1/4	1/8T6	1/8T6-SS	1/8T6-316SS	1/8T6-NP	1 1/16	7/16	1 7/16
5/16 / 8mm	1/8T7	1/8T7-SS	1/8T7-316SS	1/8T7-NP	27/32	7/16	1 7/8
3/8	1/8T8	1/8T8-SS	1/8T8-316SS	1/8T8-NP	1 5/64	5/8	1 11/16
1/2	1/8T10	1/8T10-SS	1/8T10-316SS	1/8T10-NP	1 5/64	3/4	2 1/4

297 1/8 NPT Male Thread to Tube Reducing Tees

Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
.040 / 1mm	1/32	1/8RT.040-.031	1/8RT.040-.031-SS	1/8RT.040-.031-316SS	1/8RT.040-.031-NP	9/16	7/16	3/8	3/8
3/64	1/32	1/8RT.045-.031	1/8RT.045-.031-SS	1/8RT.045-.031-316SS	1/8RT.045-.031-NP	9/16	7/16	3/8	3/8
3/64	.040 / 1mm	1/8RT.045-.040	1/8RT.045-.040-SS	1/8RT.045-.040-316SS	1/8RT.045-.040-NP	9/16	7/16	3/8	3/8
.050	1/32	1/8RT.050-.031	1/8RT.050-.031-SS	1/8RT.050-.031-316SS	1/8RT.050-.031-NP	9/16	7/16	3/8	3/8
.050	.040 / 1mm	1/8RT.050-.040	1/8RT.050-.040-SS	1/8RT.050-.040-316SS	1/8RT.050-.040-NP	9/16	7/16	3/8	3/8
.050	1/64	1/8RT.050-.045	1/8RT.050-.045-SS	1/8RT.050-.045-316SS	1/8RT.050-.045-NP	9/16	7/16	3/8	3/8
1/16	1/32	1/8RT1-.031	1/8RT1-.031-SS	1/8RT1-.031-316SS	1/8RT1-.031-NP	9/16	7/16	7/16	3/8
1/16	.040 / 1mm	1/8RT1-.040	1/8RT1-.040-SS	1/8RT1-.040-316SS	1/8RT1-.040-NP	9/16	7/16	7/16	3/8
1/16	3/64	1/8RT1-.045	1/8RT1-.045-SS	1/8RT1-.045-316SS	1/8RT1-.045-NP	9/16	7/16	7/16	3/8
1/16	.050	1/8RT1-.050	1/8RT1-.050-SS	1/8RT1-.050-316SS	1/8RT1-.050-NP	9/16	7/16	7/16	3/8
5/64 / 2mm	1/32	1/8RT2-.031	1/8RT2-.031-SS	1/8RT2-.031-316SS	1/8RT2-.031-NP	9/16	7/16	7/16	3/8
5/64 / 2mm	.040 / 1mm	1/8RT2-.040	1/8RT2-.040-SS	1/8RT2-.040-316SS	1/8RT2-.040-NP	9/16	7/16	7/16	3/8
5/64 / 2mm	3/64	1/8RT2-.045	1/8RT2-.045-SS	1/8RT2-.045-316SS	1/8RT2-.045-NP	9/16	7/16	7/16	3/8
5/64 / 2mm	.050	1/8RT2-.050	1/8RT2-.050-SS	1/8RT2-.050-316SS	1/8RT2-.050-NP	9/16	7/16	7/16	3/8
5/64 / 2mm	1/16	1/8RT2-1	1/8RT2-1-SS	1/8RT2-1-316SS	1/8RT2-1-NP	9/16	7/16	7/16	7/16
3/32	1/32	1/8RT2 1/2-.031	1/8RT2 1/2-.031-SS	1/8RT2 1/2-.031-316SS	1/8RT2 1/2-.031-NP	9/16	7/16	7/16	3/8
3/32	.040 / 1mm	1/8RT2 1/2-.040	1/8RT2 1/2-.040-SS	1/8RT2 1/2-.040-316SS	1/8RT2 1/2-.040-NP	9/16	7/16	7/16	3/8
3/32	3/64	1/8RT2 1/2-.045	1/8RT2 1/2-.045-SS	1/8RT2 1/2-.045-316SS	1/8RT2 1/2-.045-NP	9/16	7/16	7/16	3/8
3/32	.050	1/8RT2 1/2-.050	1/8RT2 1/2-.050-SS	1/8RT2 1/2-.050-316SS	1/8RT2 1/2-.050-NP	9/16	7/16	7/16	3/8
3/32	1/16	1/8RT2 1/2-1	1/8RT2 1/2-1-SS	1/8RT2 1/2-1-316SS	1/8RT2 1/2-1-NP	9/16	7/16	7/16	7/16
3/32	5/64 / 2mm	1/8RT2 1/2-2	1/8RT2 1/2-2-SS	1/8RT2 1/2-2-316SS	1/8RT2 1/2-2-NP	9/16	7/16	7/16	7/16
1/8	1/32	1/8RT3-.031	1/8RT3-.031-SS	1/8RT3-.031-316SS	1/8RT3-.031-NP	9/16	7/16	17/32	3/8
1/8	.040 / 1mm	1/8RT3-.040	1/8RT3-.040-SS	1/8RT3-.040-316SS	1/8RT3-.040-NP	9/16	7/16	17/32	3/8
1/8	3/64	1/8RT3-.045	1/8RT3-.045-SS	1/8RT3-.045-316SS	1/8RT3-.045-NP	9/16	7/16	17/32	3/8
1/8	.050	1/8RT3-.050	1/8RT3-.050-SS	1/8RT3-.050-316SS	1/8RT3-.050-NP	9/16	7/16	17/32	3/8
1/8	1/16	1/8RT3-1	1/8RT3-1-SS	1/8RT3-1-316SS	1/8RT3-1-NP	9/16	7/16	17/32	7/16
1/8	5/64 / 2mm	1/8RT3-2	1/8RT3-2-SS	1/8RT3-2-316SS	1/8RT3-2-NP	9/16	7/16	17/32	7/16
1/8	3/32	1/8RT3-2 1/2	1/8RT3-2 1/2-SS	1/8RT3-2 1/2-316SS	1/8RT3-2 1/2-NP	9/16	7/16	17/32	7/16
5/32	1/32	1/8RT3 1/2-.031	1/8RT3 1/2-.031-SS	1/8RT3 1/2-.031-316SS	1/8RT3 1/2-.031-NP	9/16	7/16	17/32	3/8
5/32	.040 / 1mm	1/8RT3 1/2-.040	1/8RT3 1/2-.040-SS	1/8RT3 1/2-.040-316SS	1/8RT3 1/2-.040-NP	9/16	7/16	17/32	3/8
5/32	3/64	1/8RT3 1/2-.045	1/8RT3 1/2-.045-SS	1/8RT3 1/2-.045-316SS	1/8RT3 1/2-.045-NP	9/16	7/16	17/32	3/8
5/32	.050	1/8RT3 1/2-.050	1/8RT3 1/2-.050-SS	1/8RT3 1/2-.050-316SS	1/8RT3 1/2-.050-NP	9/16	7/16	17/32	3/8
5/32	1/16	1/8RT3 1/2-1	1/8RT3 1/2-1-SS	1/8RT3 1/2-1-316SS	1/8RT3 1/2-1-NP	9/16	7/16	17/32	7/16
5/32	5/64 / 2mm	1/8RT3 1/2-2	1/8RT3 1/2-2-SS	1/8RT3 1/2-2-316SS	1/8RT3 1/2-2-NP	9/16	7/16	17/32	7/16
5/32	3/32	1/8RT3 1/2-2 1/2	1/8RT3 1/2-2 1/2-SS	1/8RT3 1/2-2 1/2-316SS	1/8RT3 1/2-2 1/2-NP	9/16	7/16	17/32	7/16
5/32	1/8	1/8RT3 1/2-3	1/8RT3 1/2-3-SS	1/8RT3 1/2-3-316SS	1/8RT3 1/2-3-NP	9/16	7/16	17/32	17/32

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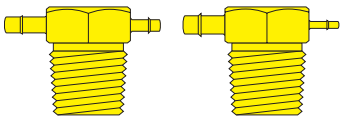
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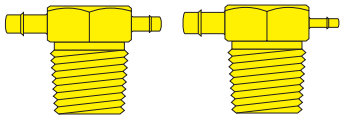
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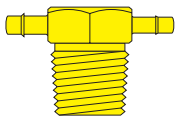
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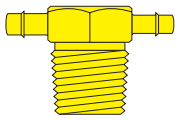
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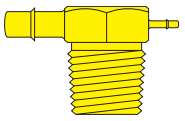
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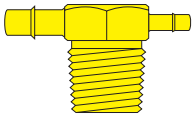
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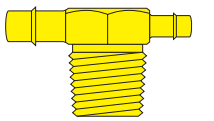
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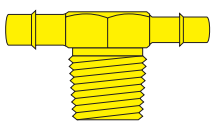
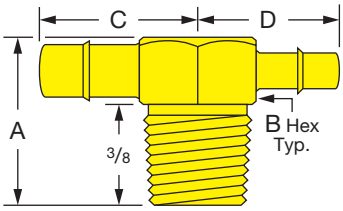

1/8RT3 1/2-3

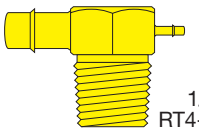
Note: *Images are for visual representation only; not intended for dimensional measurements.*

Continued on next page.

M

1/8 NPT Male Thread to Tube Reducing Tees (continued) 298

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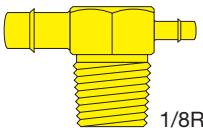
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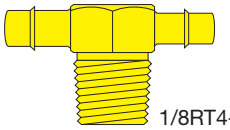
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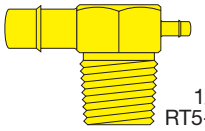
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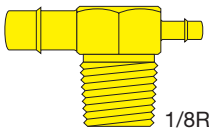
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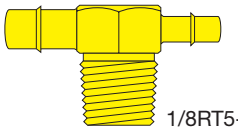
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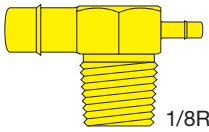
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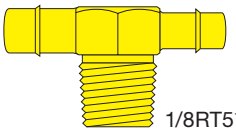
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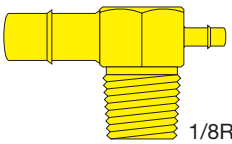
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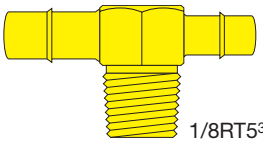

1/8RT5 3/4-5

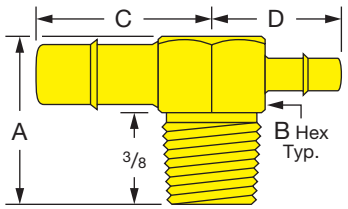
Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
.170	1/32	1/8RT4-.031	1/8RT4-.031-SS	1/8RT4-.031-316SS	1/8RT4-.031-NP	5/8	7/16	9/16	3/8
.170	.040 / 1mm	1/8RT4-.040	1/8RT4-.040-SS	1/8RT4-.040-316SS	1/8RT4-.040-NP	5/8	7/16	9/16	3/8
.170	3/64	1/8RT4-.045	1/8RT4-.045-SS	1/8RT4-.045-316SS	1/8RT4-.045-NP	5/8	7/16	9/16	3/8
.170	.050	1/8RT4-.050	1/8RT4-.050-SS	1/8RT4-.050-316SS	1/8RT4-.050-NP	5/8	7/16	9/16	3/8
.170	1/16	1/8RT4-1	1/8RT4-1-SS	1/8RT4-1-316SS	1/8RT4-1-NP	5/8	7/16	9/16	7/16
.170	5/64 / 2mm	1/8RT4-2	1/8RT4-2-SS	1/8RT4-2-316SS	1/8RT4-2-NP	5/8	7/16	9/16	7/16
.170	3/32	1/8RT4-2 1/2	1/8RT4-2 1/2-SS	1/8RT4-2 1/2-316SS	1/8RT4-2 1/2-NP	5/8	7/16	9/16	7/16
.170	1/8	1/8RT4-3	1/8RT4-3-SS	1/8RT4-3-316SS	1/8RT4-3-NP	5/8	7/16	9/16	17/32
.170	5/32 / 4mm	1/8RT4-3 1/2	1/8RT4-3 1/2-SS	1/8RT4-3 1/2-316SS	1/8RT4-3 1/2-NP	5/8	7/16	9/16	17/32
3/16	1/32	1/8RT5-.031	1/8RT5-.031-SS	1/8RT5-.031-316SS	1/8RT5-.031-NP	5/8	7/16	19/32	3/8
3/16	.040 / 1mm	1/8RT5-.040	1/8RT5-.040-SS	1/8RT5-.040-316SS	1/8RT5-.040-NP	5/8	7/16	19/32	3/8
3/16	3/64	1/8RT5-.045	1/8RT5-.045-SS	1/8RT5-.045-316SS	1/8RT5-.045-NP	5/8	7/16	19/32	3/8
3/16	.050	1/8RT5-.050	1/8RT5-.050-SS	1/8RT5-.050-316SS	1/8RT5-.050-NP	5/8	7/16	19/32	3/8
3/16	1/16	1/8RT5-1	1/8RT5-1-SS	1/8RT5-1-316SS	1/8RT5-1-NP	5/8	7/16	19/32	7/16
3/16	5/64 / 2mm	1/8RT5-2	1/8RT5-2-SS	1/8RT5-2-316SS	1/8RT5-2-NP	5/8	7/16	19/32	7/16
3/16	3/32	1/8RT5-2 1/2	1/8RT5-2 1/2-SS	1/8RT5-2 1/2-316SS	1/8RT5-2 1/2-NP	5/8	7/16	19/32	7/16
3/16	1/8	1/8RT5-3	1/8RT5-3-SS	1/8RT5-3-316SS	1/8RT5-3-NP	5/8	7/16	19/32	17/32
3/16	5/32 / 4mm	1/8RT5-3 1/2	1/8RT5-3 1/2-SS	1/8RT5-3 1/2-316SS	1/8RT5-3 1/2-NP	5/8	7/16	19/32	17/32
3/16	.170	1/8RT5-4	1/8RT5-4-SS	1/8RT5-4-316SS	1/8RT5-4-NP	5/8	7/16	19/32	9/16
7/32	1/16	1/8RT5 1/2-1	1/8RT5 1/2-1-SS	1/8RT5 1/2-1-316SS	1/8RT5 1/2-1-NP	5/8	7/16	19/32	7/16
7/32	5/64 / 2mm	1/8RT5 1/2-2	1/8RT5 1/2-2-SS	1/8RT5 1/2-2-316SS	1/8RT5 1/2-2-NP	5/8	7/16	19/32	7/16
7/32	3/32	1/8RT5 1/2-2 1/2	1/8RT5 1/2-2 1/2-SS	1/8RT5 1/2-2 1/2-316SS	1/8RT5 1/2-2 1/2-NP	5/8	7/16	19/32	7/16
7/32	1/8	1/8RT5 1/2-3	1/8RT5 1/2-3-SS	1/8RT5 1/2-3-316SS	1/8RT5 1/2-3-NP	5/8	7/16	19/32	17/32
7/32	5/32 / 4mm	1/8RT5 1/2-3 1/2	1/8RT5 1/2-3 1/2-SS	1/8RT5 1/2-3 1/2-316SS	1/8RT5 1/2-3 1/2-NP	5/8	7/16	19/32	17/32
7/32	.170	1/8RT5 1/2-4	1/8RT5 1/2-4-SS	1/8RT5 1/2-4-316SS	1/8RT5 1/2-4-NP	5/8	7/16	19/32	9/16
7/32	3/16	1/8RT5 1/2-5	1/8RT5 1/2-5-SS	1/8RT5 1/2-5-316SS	1/8RT5 1/2-5-NP	5/8	7/16	19/32	19/32
6mm	1/16	1/8RT5 3/4-1	1/8RT5 3/4-1-SS	1/8RT5 3/4-1-316SS	1/8RT5 3/4-1-NP	11/16	7/16	23/32	7/16
6mm	5/64 / 2mm	1/8RT5 3/4-2	1/8RT5 3/4-2-SS	1/8RT5 3/4-2-316SS	1/8RT5 3/4-2-NP	11/16	7/16	23/32	7/16
6mm	3/32	1/8RT5 3/4-2 1/2	1/8RT5 3/4-2 1/2-SS	1/8RT5 3/4-2 1/2-316SS	1/8RT5 3/4-2 1/2-NP	11/16	7/16	23/32	7/16
6mm	1/8	1/8RT5 3/4-3	1/8RT5 3/4-3-SS	1/8RT5 3/4-3-316SS	1/8RT5 3/4-3-NP	11/16	7/16	23/32	17/32
6mm	5/32 / 4mm	1/8RT5 3/4-3 1/2	1/8RT5 3/4-3 1/2-SS	1/8RT5 3/4-3 1/2-316SS	1/8RT5 3/4-3 1/2-NP	11/16	7/16	23/32	17/32
6mm	.170	1/8RT5 3/4-4	1/8RT5 3/4-4-SS	1/8RT5 3/4-4-316SS	1/8RT5 3/4-4-NP	11/16	7/16	23/32	9/16
6mm	3/16	1/8RT5 3/4-5	1/8RT5 3/4-5-SS	1/8RT5 3/4-5-316SS	1/8RT5 3/4-5-NP	11/16	7/16	23/32	19/32
6mm	7/32	1/8RT5 3/4-5 1/2	1/8RT5 3/4-5 1/2-SS	1/8RT5 3/4-5 1/2-316SS	1/8RT5 3/4-5 1/2-NP	11/16	7/16	23/32	19/32

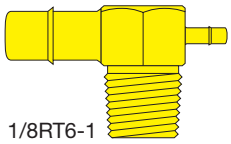
Continued on next page.

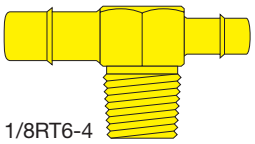
Note: *Images are for visual representation only; not intended for dimensional measurements.*

299 1/8 NPT Male Thread to Tube Reducing Tees (continued)

Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/4	1/16	1/8RT6-1	1/8RT6-1-SS	1/8RT6-1-316SS	1/8RT6-1-NP	1 1/16	7/16	23/32	7/16
1/4	5/64 / 2mm	1/8RT6-2	1/8RT6-2-SS	1/8RT6-2-316SS	1/8RT6-2-NP	1 1/16	7/16	23/32	7/16
1/4	3/32	1/8RT6-2 1/2	1/8RT6-2 1/2-SS	1/8RT6-2 1/2-316SS	1/8RT6-2 1/2-NP	1 1/16	7/16	23/32	7/16
1/4	1/8	1/8RT6-3	1/8RT6-3-SS	1/8RT6-3-316SS	1/8RT6-3-NP	1 1/16	7/16	23/32	17/32
1/4	5/32 / 4mm	1/8RT6-3 1/2	1/8RT6-3 1/2-SS	1/8RT6-3 1/2-316SS	1/8RT6-3 1/2-NP	1 1/16	7/16	23/32	17/32
1/4	.170	1/8RT6-4	1/8RT6-4-SS	1/8RT6-4-316SS	1/8RT6-4-NP	1 1/16	7/16	23/32	9/16
1/4	3/16	1/8RT6-5	1/8RT6-5-SS	1/8RT6-5-316SS	1/8RT6-5-NP	1 1/16	7/16	23/32	19/32
1/4	7/32	1/8RT6-5 1/2	1/8RT6-5 1/2-SS	1/8RT6-5 1/2-316SS	1/8RT6-5 1/2-NP	1 1/16	7/16	23/32	19/32
1/4	6mm	1/8RT6-5 3/4	1/8RT6-5 3/4-SS	1/8RT6-5 3/4-316SS	1/8RT6-5 3/4-NP	1 1/16	7/16	23/32	23/32
5/16 / 8mm	1/16	1/8RT7-1	1/8RT7-1-SS	1/8RT7-1-316SS	1/8RT7-1-NP	27/32	7/16	15/16	19/32
5/16 / 8mm	5/64 / 2mm	1/8RT7-2	1/8RT7-2-SS	1/8RT7-2-316SS	1/8RT7-2-NP	27/32	7/16	15/16	19/32
5/16 / 8mm	3/32	1/8RT7-2 1/2	1/8RT7-2 1/2-SS	1/8RT7-2 1/2-316SS	1/8RT7-2 1/2-NP	27/32	7/16	15/16	19/32
5/16 / 8mm	1/8	1/8RT7-3	1/8RT7-3-SS	1/8RT7-3-316SS	1/8RT7-3-NP	27/32	7/16	15/16	11/16
5/16 / 8mm	5/32 / 4mm	1/8RT7-3 1/2	1/8RT7-3 1/2-SS	1/8RT7-3 1/2-316SS	1/8RT7-3 1/2-NP	27/32	7/16	15/16	11/16
5/16 / 8mm	.170	1/8RT7-4	1/8RT7-4-SS	1/8RT7-4-316SS	1/8RT7-4-NP	27/32	7/16	15/16	23/32
5/16 / 8mm	3/16	1/8RT7-5	1/8RT7-5-SS	1/8RT7-5-316SS	1/8RT7-5-NP	27/32	7/16	15/16	3/4
5/16 / 8mm	7/32	1/8RT7-5 1/2	1/8RT7-5 1/2-SS	1/8RT7-5 1/2-316SS	1/8RT7-5 1/2-NP	27/32	7/16	15/16	3/4
5/16 / 8mm	6mm	1/8RT7-5 3/4	1/8RT7-5 3/4-SS	1/8RT7-5 3/4-316SS	1/8RT7-5 3/4-NP	27/32	7/16	15/16	7/8
5/16 / 8mm	1/4	1/8RT7-6	1/8RT7-6-SS	1/8RT7-6-316SS	1/8RT7-6-NP	27/32	7/16	15/16	7/8
3/8	1/16	1/8RT8-1	1/8RT8-1-SS	1/8RT8-1-316SS	1/8RT8-1-NP	1 5/64	5/8	27/32	19/32
3/8	5/64 / 2mm	1/8RT8-2	1/8RT8-2-SS	1/8RT8-2-316SS	1/8RT8-2-NP	1 5/64	5/8	27/32	19/32
3/8	3/32	1/8RT8-2 1/2	1/8RT8-2 1/2-SS	1/8RT8-2 1/2-316SS	1/8RT8-2 1/2-NP	1 5/64	5/8	27/32	19/32
3/8	1/8	1/8RT8-3	1/8RT8-3-SS	1/8RT8-3-316SS	1/8RT8-3-NP	1 5/64	5/8	27/32	11/16
3/8	5/32 / 4mm	1/8RT8-3 1/2	1/8RT8-3 1/2-SS	1/8RT8-3 1/2-316SS	1/8RT8-3 1/2-NP	1 5/64	5/8	27/32	11/16
3/8	.170	1/8RT8-4	1/8RT8-4-SS	1/8RT8-4-316SS	1/8RT8-4-NP	1 5/64	5/8	27/32	23/32
3/8	3/16	1/8RT8-5	1/8RT8-5-SS	1/8RT8-5-316SS	1/8RT8-5-NP	1 5/64	5/8	27/32	3/4
3/8	7/32	1/8RT8-5 1/2	1/8RT8-5 1/2-SS	1/8RT8-5 1/2-316SS	1/8RT8-5 1/2-NP	1 5/64	5/8	27/32	3/4
3/8	6mm	1/8RT8-5 3/4	1/8RT8-5 3/4-SS	1/8RT8-5 3/4-316SS	1/8RT8-5 3/4-NP	1 5/64	5/8	27/32	7/8
3/8	1/4	1/8RT8-6	1/8RT8-6-SS	1/8RT8-6-316SS	1/8RT8-6-NP	1 5/64	5/8	27/32	7/8
3/8	5/16 / 8mm	1/8RT8-7	1/8RT8-7-SS	1/8RT8-7-316SS	1/8RT8-7-NP	1 5/64	5/8	27/32	15/16
1/2	1/16	1/8RT10-1	1/8RT10-1-SS	1/8RT10-1-316SS	1/8RT10-1-NP	1 5/64	3/4	1 1/8	19/32
1/2	5/64 / 2mm	1/8RT10-2	1/8RT10-2-SS	1/8RT10-2-316SS	1/8RT10-2-NP	1 5/64	3/4	1 1/8	19/32
1/2	3/32	1/8RT10-2 1/2	1/8RT10-2 1/2-SS	1/8RT10-2 1/2-316SS	1/8RT10-2 1/2-NP	1 5/64	3/4	1 1/8	19/32
1/2	1/8	1/8RT10-3	1/8RT10-3-SS	1/8RT10-3-316SS	1/8RT10-3-NP	1 5/64	3/4	1 1/8	11/16
1/2	5/32 / 4mm	1/8RT10-3 1/2	1/8RT10-3 1/2-SS	1/8RT10-3 1/2-316SS	1/8RT10-3 1/2-NP	1 5/64	3/4	1 1/8	11/16




1/8RT6-1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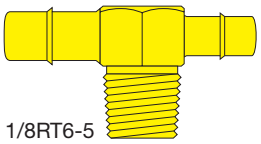
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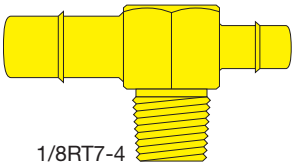
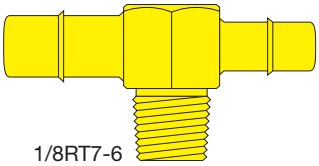

1/8RT7-4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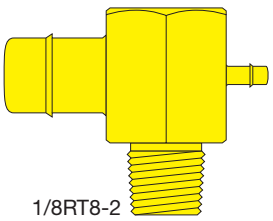
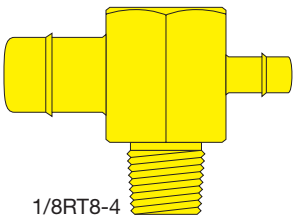
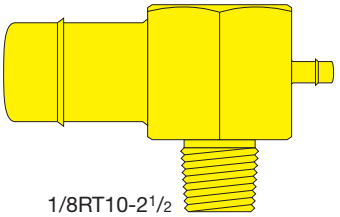

1/8RT8-2


1/8RT8-4


1/8RT10-2 1/2

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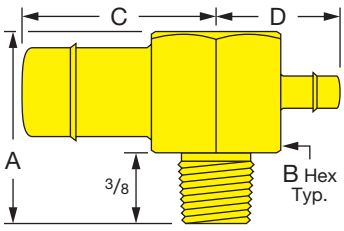
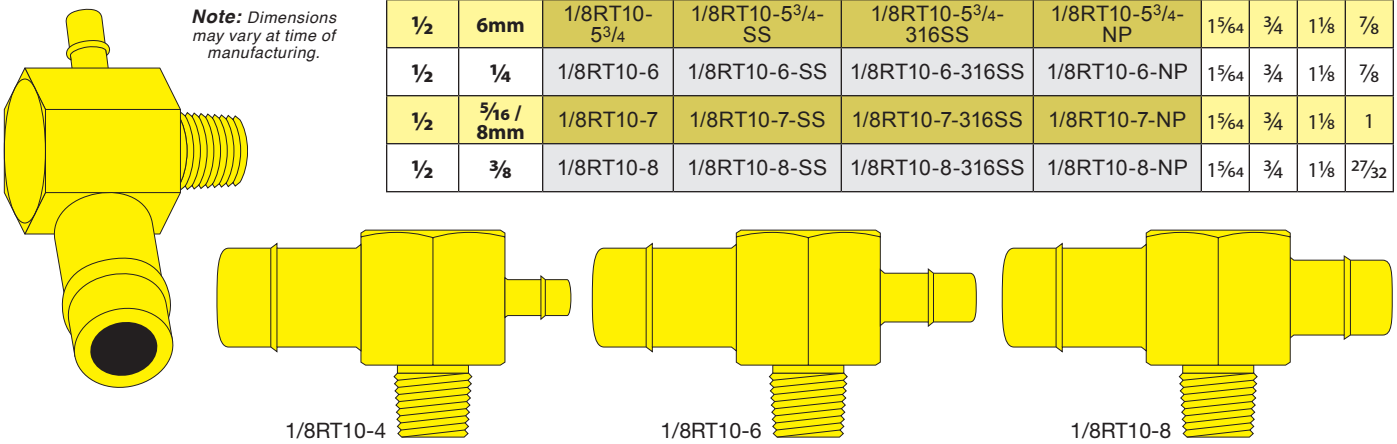
M

1/8 NPT Male Thread to Tube Reducing Tees (continued) 300



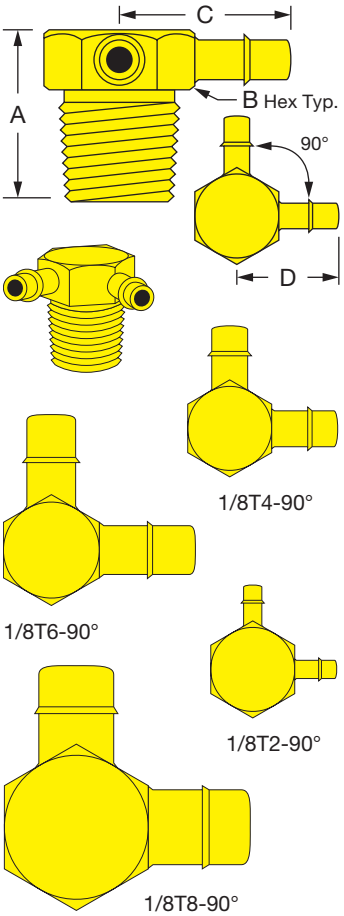
Note: *Dimensions may vary at time of manufacturing.*

Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/2	.170	1/8RT10-4	1/8RT10-4-SS	1/8RT10-4-316SS	1/8RT10-4-NP	15/64	3/4	1 1/8	23/32
1/2	3/16	1/8RT10-5	1/8RT10-5-SS	1/8RT10-5-316SS	1/8RT10-5-NP	15/64	3/4	1 1/8	3/4
1/2	7/32	1/8RT10-5 1/2	1/8RT10-5 1/2-SS	1/8RT10-5 1/2-316SS	1/8RT10-5 1/2-NP	15/64	3/4	1 1/8	3/4
1/2	6mm	1/8RT10-5 3/4	1/8RT10-5 3/4-SS	1/8RT10-5 3/4-316SS	1/8RT10-5 3/4-NP	15/64	3/4	1 1/8	7/8
1/2	1/4	1/8RT10-6	1/8RT10-6-SS	1/8RT10-6-316SS	1/8RT10-6-NP	15/64	3/4	1 1/8	7/8
1/2	5/16 / 8mm	1/8RT10-7	1/8RT10-7-SS	1/8RT10-7-316SS	1/8RT10-7-NP	15/64	3/4	1 1/8	1
1/2	3/8	1/8RT10-8	1/8RT10-8-SS	1/8RT10-8-316SS	1/8RT10-8-NP	15/64	3/4	1 1/8	27/32



M

1/8 NPT Male Thread to Tube 90° Tees 301



Tube ID	Part Numbers				Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/32	1/8T.031-90°	1/8T.031-90°-SS	1/8T.031-90°-316SS	1/8T.031-90°-NP	9/16	7/16	Consult Factory	3/8
.040 / 1mm	1/8T.040-90°	1/8T.040-90°-SS	1/8T.040-90°-316SS	1/8T.040-90°-NP	9/16	7/16		3/8
3/64	1/8T.045-90°	1/8T.045-90°-SS	1/8T.045-90°-316SS	1/8T.045-90°-NP	9/16	7/16		3/8
.050	1/8T.050-90°	1/8T.050-90°-SS	1/8T.050-90°-316SS	1/8T.050-90°-NP	9/16	7/16		3/8
1/16	1/8T1-90°	1/8T1-90°-SS	1/8T1-90°-316SS	1/8T1-90°-NP	9/16	7/16		7/16
5/64 / 2mm	1/8T2-90°	1/8T2-90°-SS	1/8T2-90°-316SS	1/8T2-90°-NP	9/16	7/16		7/16
3/32	1/8T2 1/2-90°	1/8T2 1/2-90°-SS	1/8T2 1/2-90°-316SS	1/8T2 1/2-90°-NP	9/16	7/16		7/16
1/8	1/8T3-90°	1/8T3-90°-SS	1/8T3-90°-316SS	1/8T3-90°-NP	9/16	7/16		17/32
5/32 / 4mm	1/8T3 1/2-90°	1/8T3 1/2-90°-SS	1/8T3 1/2-90°-316SS	1/8T3 1/2-90°-NP	9/16	7/16		17/32
.170	1/8T4-90°	1/8T4-90°-SS	1/8T4-90°-316SS	1/8T4-90°-NP	5/8	7/16		9/16
3/16	1/8T5-90°	1/8T5-90°-SS	1/8T5-90°-316SS	1/8T5-90°-NP	5/8	7/16		19/32
7/32	1/8T5 1/2-90°	1/8T5 1/2-90°-SS	1/8T5 1/2-90°-316SS	1/8T5 1/2-90°-NP	5/8	7/16		19/32
6mm	1/8T5 3/4-90°	1/8T5 3/4-90°-SS	1/8T5 3/4-90°-316SS	1/8T5 3/4-90°-NP	11/16	7/16		23/32
1/4	1/8T6-90°	1/8T6-90°-SS	1/8T6-90°-316SS	1/8T6-90°-NP	11/16	7/16		23/32
5/16 / 8mm	1/8T7-90°	1/8T7-90°-SS	1/8T7-90°-316SS	1/8T7-90°-NP	27/32	7/16		15/16
3/8	1/8T8-90°	1/8T8-90°-SS	1/8T8-90°-316SS	1/8T8-90°-NP	1 11/64	5/8		27/32
1/2	1/8T10-90°	1/8T10-90°-SS	1/8T10-90°-316SS	1/8T10-90°-NP	1 11/64	3/4		1 1/8

Note: *Images are for visual representation only; not intended for dimensional measurements.*

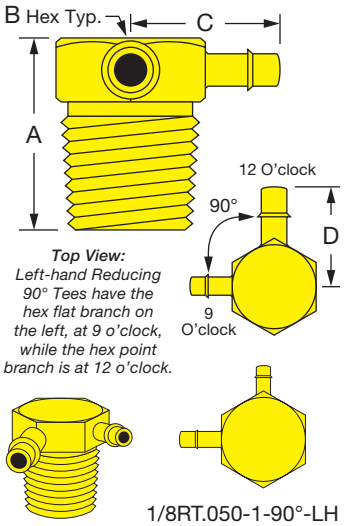
Note: for systems that do not allow the degree symbol (°) to be used, it can be substituted with 'DEG' in the part number.

302 — 1/8 NPT Male Thread to Tube Reducing 90° Left-Hand Tees

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	9/16	7/16	3/8	Consult Factory
.040 / 1mm	.040	9/16	7/16	3/8	
3/64	.045	9/16	7/16	3/8	
.050	.050	9/16	7/16	3/8	
1/16	1	9/16	7/16	7/16	
5/64 / 2mm	2	9/16	7/16	7/16	
3/32	2 1/2	9/16	7/16	7/16	
1/8	3	9/16	7/16	17/32	
5/32 / 4mm	3 1/2	9/16	7/16	17/32	

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
.170	4	5/8	7/16	9/16	Consult Factory
3/16	5	5/8	7/16	19/32	
7/32	5 1/2	5/8	7/16	19/32	
6mm	5 3/4	11/16	7/16	23/32	
1/4	6	11/16	7/16	23/32	
5/16 / 8mm	7	27/32	7/16	15/16	
3/8	8	1 11/64	5/8	27/32	
1/2	10	1 11/64	3/4	1 1/8	

Note: *For systems that do not allow the degree symbol (°) to be used, substitute it with 'DEG' in the part number.*



Top View: *Left-hand Reducing 90° Tees have the hex flat branch on the left, at 9 o'clock, while the hex point branch is at 12 o'clock.*

1/8RT.050-1-90°-LH

M

Part Numbers for 1/8 NPT Male Thread to Tube Reducing Left-Hand 90° Tees:

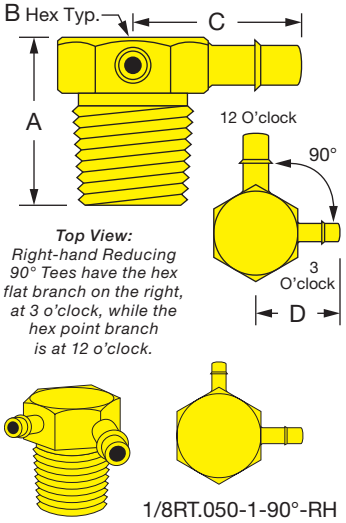
Thread Size → **1/8** (Fitting Series) **RT** **#** (12 O'clock Branch #) **-** **#** (9 O'clock Branch #) **-** **90°** (90° Indicator) **-** **LH** ← Left-Hand Indicator

303 — 1/8 NPT Male Thread to Tube Reducing Right-Hand 90° Tees

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	9/16	7/16	Consult Factory	3/8
.040 / 1mm	.040	9/16	7/16		3/8
3/64	.045	9/16	7/16		3/8
.050	.050	9/16	7/16		3/8
1/16	1	9/16	7/16		7/16
5/64 / 2mm	2	9/16	7/16		7/16
3/32	2 1/2	9/16	7/16		7/16
1/8	3	9/16	7/16		17/32
5/32 / 4mm	3 1/2	9/16	7/16		17/32

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
.170	4	5/8	7/16	Consult Factory	9/16
3/16	5	5/8	7/16		19/32
7/32	5 1/2	5/8	7/16		19/32
6mm	5 3/4	11/16	7/16		23/32
1/4	6	11/16	7/16		23/32
5/16 / 8mm	7	27/32	7/16		15/16
3/8	8	1 11/64	5/8		27/32
1/2	10	1 11/64	3/4		1 1/8

Note: *For systems that do not allow the degree symbol (°) to be used, substitute it with 'DEG' in the part number.*

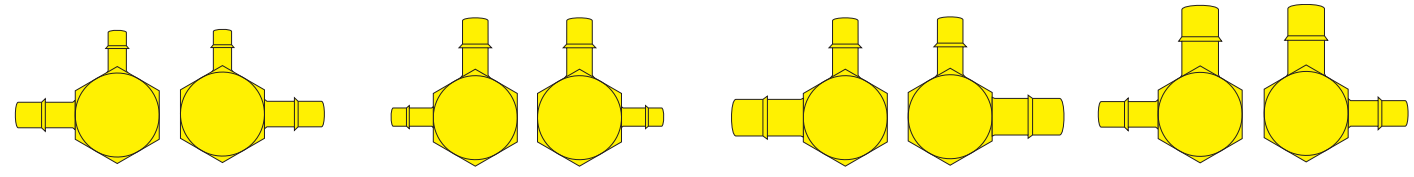


Top View: *Right-hand Reducing 90° Tees have the hex flat branch on the right, at 3 o'clock, while the hex point branch is at 12 o'clock.*

1/8RT.050-1-90°-RH

Part Numbers for 1/8 NPT Male Thread to Tube Reducing Right-Hand 90° Tees:

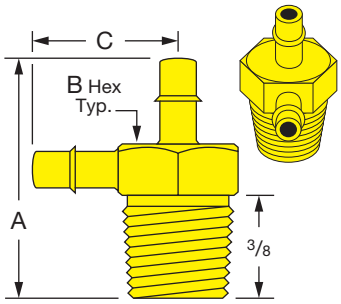
Thread Size → **1/8** (Fitting Series) **RT** **#** (12 O'clock Branch #) **-** **#** (3 O'clock Branch #) **-** **90°** (90° Indicator) **-** **RH** ← Right-Hand Indicator

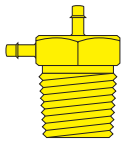


1/8RT2-3-90°-LH 1/8RT2-3-90°-RH 1/8RT3-2-90°-LH 1/8RT3-2-90°-RH 1/8RT3-5-90°-LH 1/8RT3-5-90°-RH 1/8RT5-3-90°-LH 1/8RT5-3-90°-RH

Unless otherwise specified, parts will be Brass. To order other materials, please add the following codes to the part number:
-SS = Stainless Steel 303 **-316SS = Stainless Steel 316** **-NP = Electroless Nickel Plate**

1/8 NPT Male Thread to Tube L-Tees 304

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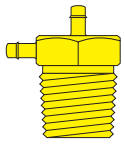
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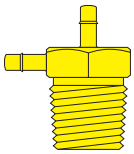
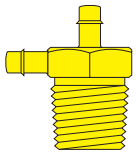
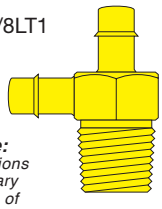

1/8LT1

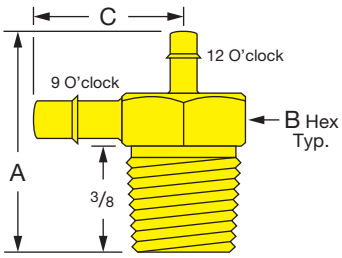

1/8LT2 1/2

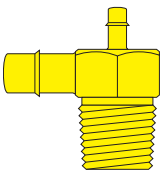

1/8LT4

Note: *Dimensions may vary at time of manufacturing.*

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/8LT.031	1/8LT.031-SS	1/8LT.031-316SS	1/8LT.031-NP	11/16	7/16	3/8
.040 / 1mm	1/8LT.040	1/8LT.040-SS	1/8LT.040-316SS	1/8LT.040-NP	11/16	7/16	3/8
3/64	1/8LT.045	1/8LT.045-SS	1/8LT.045-316SS	1/8LT.045-NP	11/16	7/16	3/8
.050	1/8LT.050	1/8LT.050-SS	1/8LT.050-316SS	1/8LT.050-NP	11/16	7/16	3/8
1/16	1/8LT1	1/8LT1-SS	1/8LT1-316SS	1/8LT1-NP	3/4	7/16	7/16
5/64 / 2mm	1/8LT2	1/8LT2-SS	1/8LT2-316SS	1/8LT2-NP	3/4	7/16	7/16
3/32	1/8LT2 1/2	1/8LT2 1/2-SS	1/8LT2 1/2-316SS	1/8LT2 1/2-NP	3/4	7/16	7/16
1/8	1/8LT3	1/8LT3-SS	1/8LT3-316SS	1/8LT3-NP	7/8	7/16	17/32
5/32 / 4mm	1/8LT3 1/2	1/8LT3 1/2-SS	1/8LT3 1/2-316SS	1/8LT3 1/2-NP	7/8	7/16	17/32
.170	1/8LT4	1/8LT4-SS	1/8LT4-316SS	1/8LT4-NP	29/32	7/16	9/16
3/16	1/8LT5	1/8LT5-SS	1/8LT5-316SS	1/8LT5-NP	31/32	7/16	19/32
7/32	1/8LT5 1/2	1/8LT5 1/2-SS	1/8LT5 1/2-316SS	1/8LT5 1/2-NP	31/32	7/16	19/32
6mm	1/8LT5 3/4	1/8LT5 3/4-SS	1/8LT5 3/4-316SS	1/8LT5 3/4-NP	Consult Factory	7/16	23/32
1/4	1/8LT6	1/8LT6-SS	1/8LT6-316SS	1/8LT6-NP		7/16	23/32
5/16 / 8mm	1/8LT7	1/8LT7-SS	1/8LT7-316SS	1/8LT7-NP		7/16	15/16
3/8	1/8LT8	1/8LT8-SS	1/8LT8-316SS	1/8LT8-NP		5/8	27/32
1/2	1/8LT10	1/8LT10-SS	1/8LT10-316SS	1/8LT10-NP		3/4	1 1/8

1/8 NPT Male Thread to Tube Reducing L-Tees 305

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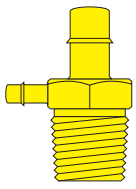
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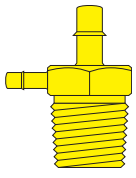
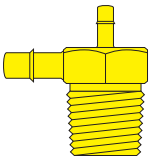

1/8RLT1-3


1/8RLT3-1

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/32	.031	Consult Factory	7/16	3/8
.040 / 1mm	.040		7/16	3/8
3/64	.045		7/16	3/8
.050	.050		7/16	3/8
1/16	1		7/16	7/16
5/64 / 2mm	2		7/16	7/16
3/32	2 1/2		7/16	7/16
1/8	3		7/16	17/32
5/32 / 4mm	3 1/2		7/16	17/32

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
.170	4	Consult Factory	7/16	9/16
3/16	5		7/16	19/32
7/32	5 1/2		7/16	19/32
6mm	5 3/4		7/16	23/32
1/4	6		7/16	23/32
5/16 / 8mm	7		7/16	15/16
3/8	8		5/8	27/32
1/2	10		3/4	1 1/8

Material options are listed below!

Part Numbers for 1/8 Male Thread to Tube Reducing L-Tees:

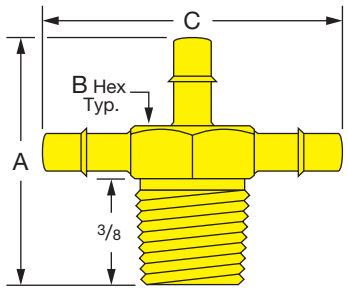
Thread Size → 1/8 | RLT (Fitting Series) | # (9 O'clock Branch #) - # (12 O'clock Branch #)

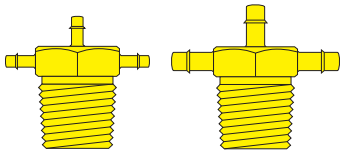
Unless otherwise specified, parts will be Brass. To order other materials, please add the following codes to the part number:

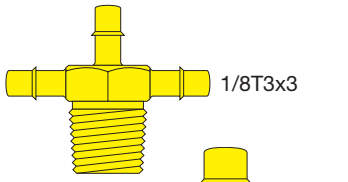
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

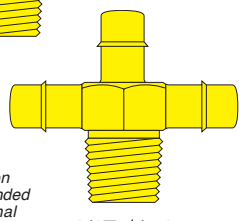
306 — 1/8 NPT Male Thread to Tube Tees x 3

Tube ID	Part Numbers: Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	Dimensions (Reference): A Ref.	B Typ.	C Ref.
1/32	1/8T.031x3	1/8T.031x3-SS	1/8T.031x3-316SS	1/8T.031x3-NP	11/16	7/16	3/4
.040 / 1mm	1/8T.040x3	1/8T.040x3-SS	1/8T.040x3-316SS	1/8T.040x3-NP	11/16	7/16	3/4
3/64	1/8T.045x3	1/8T.045x3-SS	1/8T.045x3-316SS	1/8T.045x3-NP	11/16	7/16	3/4
.050	1/8T.050x3	1/8T.050x3-SS	1/8T.050x3-316SS	1/8T.050x3-NP	11/16	7/16	3/4
1/16	1/8T1x3	1/8T1x3-SS	1/8T1x3-316SS	1/8T1x3-NP	3/4	7/16	7/8
5/64 / 2mm	1/8T2x3	1/8T2x3-SS	1/8T2x3-316SS	1/8T2x3-NP	3/4	7/16	7/8
3/32	1/8T2 1/2x3	1/8T2 1/2x3-SS	1/8T2 1/2x3-316SS	1/8T2 1/2x3-NP	3/4	7/16	7/8
1/8	1/8T3x3	1/8T3x3-SS	1/8T3x3-316SS	1/8T3x3-NP	7/8	7/16	1 1/16
5/32 / 4mm	1/8T3 1/2x3	1/8T3 1/2x3-SS	1/8T3 1/2x3-316SS	1/8T3 1/2x3-NP	7/8	7/16	1 1/16
.170	1/8T4x3	1/8T4x3-SS	1/8T4x3-316SS	1/8T4x3-NP	29/32	7/16	1 5/32
3/16	1/8T5x3	1/8T5x3-SS	1/8T5x3-316SS	1/8T5x3-NP	1	7/16	1 3/16
7/32	1/8T5 1/2x3	1/8T5 1/2x3-SS	1/8T5 1/2x3-316SS	1/8T5 1/2x3-NP	1	7/16	1 3/16
6mm	1/8T5 3/4x3	1/8T5 3/4x3-SS	1/8T5 3/4x3-316SS	1/8T5 3/4x3-NP	1 3/16	7/16	1 7/16
1/4	1/8T6x3	1/8T6x3-SS	1/8T6x3-316SS	1/8T6x3-NP	1 3/16	7/16	1 7/16
5/16 / 8mm	1/8T7x3	1/8T7x3-SS	1/8T7x3-316SS	1/8T7x3-NP	Consult Factory	7/16	1 7/8
3/8	1/8T8x3	1/8T8x3-SS	1/8T8x3-316SS	1/8T8x3-NP		5/8	1 13/16
1/2	1/8T10x3	1/8T10x3-SS	1/8T10x3-316SS	1/8T10x3-NP		3/4	2 1/4









Note: *Images are for visual representation only; not intended for dimensional measurements.*

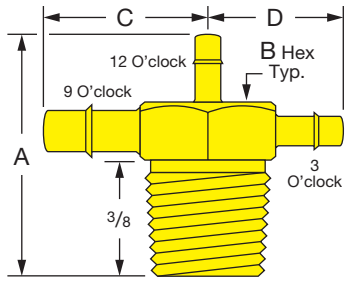
M

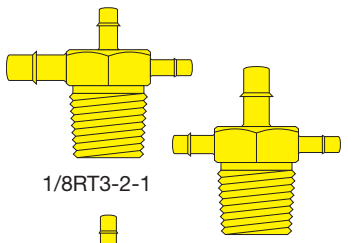
307 — 1/8 NPT Male Thread to Tube Reducing Tees x 3

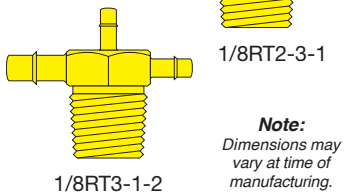
Branches: Tube ID	Branch Number	Dimensions (Reference): A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	Consult Factory	7/16	3/8	3/8
.040 / 1mm	.040		7/16	3/8	3/8
3/64	.045		7/16	3/8	3/8
.050	.050		7/16	3/8	3/8
1/16	1		7/16	7/16	7/16
5/64 / 2mm	2		7/16	7/16	7/16
3/32	2 1/2		7/16	7/16	7/16
1/8	3		7/16	17/32	17/32
5/32 / 4mm	3 1/2		7/16	17/32	17/32

Branches: Tube ID	Branch Number	Dimensions (Reference): A Ref.	B Typ.	C Ref.	D Ref.
.170	4	Consult Factory	7/16	9/16	9/16
3/16	5		7/16	19/32	19/32
7/32	5 1/2		7/16	19/32	19/32
6mm	5 3/4		7/16	23/32	23/32
1/4	6		7/16	23/32	23/32
5/16 / 8mm	7		7/16	15/16	15/16
3/8	8		5/8	27/32	27/32
1/2	10		3/4	1 1/8	1 1/8

Material options are listed below!







Note: *Dimensions may vary at time of manufacturing.*

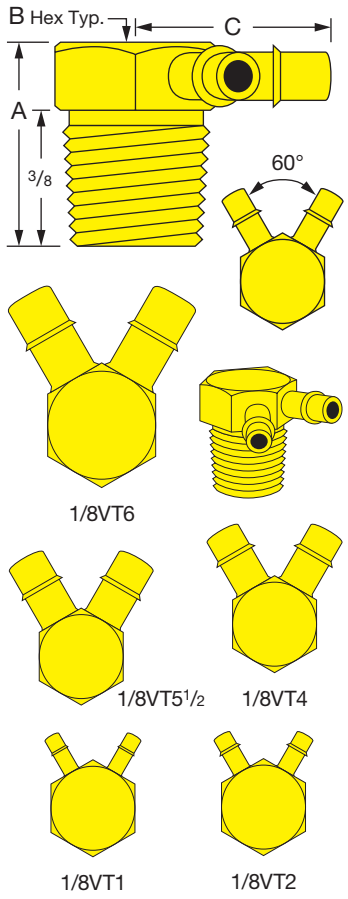
Part Numbers for 1/8 NPT Male Thread to Tube Reducing Tees x 3:

Thread Size → 1/8 — Fitting Series: RT — # 9 O'clock Branch # - # 12 O'clock Branch # - # 3 O'clock Branch #

Unless otherwise specified, parts will be Brass. To order other materials, please add the following codes to the part number:

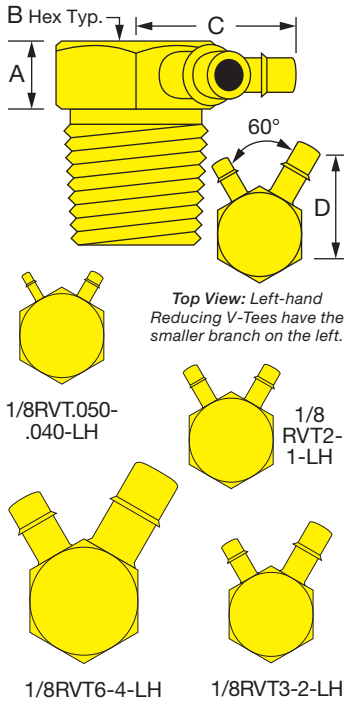
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

1/8 NPT Male Thread to Tube V-Tees 308



Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/8VT.031	1/8VT.031-SS	1/8VT.031-316SS	1/8VT.031-NP	9/16	7/16	3/8
.040 / 1mm	1/8VT.040	1/8VT.040-SS	1/8VT.040-316SS	1/8VT.040-NP	9/16	7/16	3/8
3/64	1/8VT.045	1/8VT.045-SS	1/8VT.045-316SS	1/8VT.045-NP	9/16	7/16	3/8
.050	1/8VT.050	1/8VT.050-SS	1/8VT.050-316SS	1/8VT.050-NP	9/16	7/16	3/8
1/16	1/8VT1	1/8VT1-SS	1/8VT1-316SS	1/8VT1-NP	9/16	7/16	7/16
5/64 / 2mm	1/8VT2	1/8VT2-SS	1/8VT2-316SS	1/8VT2-NP	9/16	7/16	7/16
3/32	1/8VT2 1/2	1/8VT2 1/2-SS	1/8VT2 1/2-316SS	1/8VT2 1/2-NP	9/16	7/16	7/16
1/8	1/8VT3	1/8VT3-SS	1/8VT3-316SS	1/8VT3-NP	9/16	7/16	17/32
5/32 / 4mm	1/8VT3 1/2	1/8VT3 1/2-SS	1/8VT3 1/2-316SS	1/8VT3 1/2-NP	9/16	7/16	17/32
.170	1/8VT4	1/8VT4-SS	1/8VT4-316SS	1/8VT4-NP	5/8	7/16	9/16
3/16	1/8VT5	1/8VT5-SS	1/8VT5-316SS	1/8VT5-NP	5/8	7/16	19/32
7/32	1/8VT5 1/2	1/8VT5 1/2-SS	1/8VT5 1/2-316SS	1/8VT5 1/2-NP	5/8	7/16	19/32
6mm	1/8VT5 3/4	1/8VT5 3/4-SS	1/8VT5 3/4-316SS	1/8VT5 3/4-NP	11/16	9/16	23/32
1/4	1/8VT6	1/8VT6-SS	1/8VT6-316SS	1/8VT6-NP	11/16	9/16	23/32
5/16 / 8mm	1/8VT7	1/8VT7-SS	1/8VT7-316SS	1/8VT7-NP	27/32	5/8	15/16
3/8	1/8VT8	1/8VT8-SS	1/8VT8-316SS	1/8VT8-NP	1 5/64	5/8	27/32
1/2	1/8VT10	1/8VT10-SS	1/8VT10-316SS	1/8VT10-NP	1 5/64	3/4	1 1/8

1/8 NPT Male Thread to Tube Left-Hand Reducing V-Tees 309



Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	3/16	7/16	3/8	3/8
.040 / 1mm	.040	3/16	7/16	3/8	3/8
3/64	.045	3/16	7/16	3/8	3/8
.050	.050	3/16	7/16	3/8	3/8
1/16	1	3/16	7/16	7/16	7/16
5/64 / 2mm	2	3/16	7/16	7/16	7/16
3/32	2 1/2	3/16	7/16	7/16	7/16
1/8	3	3/16	7/16	17/32	17/32
5/32 / 4mm	3 1/2	3/16	7/16	17/32	17/32

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
.170	4	1/4	7/16	9/16	9/16
3/16	5	1/4	7/16	19/32	19/32
7/32	5 1/2	1/4	7/16	19/32	19/32
6mm	5 3/4	5/16	9/16	23/32	23/32
1/4	6	5/16	9/16	23/32	23/32
5/16 / 8mm	7	15/32	9/16	15/16	15/16
3/8	8	45/64	5/8	27/32	27/32
1/2	10	45/64	3/4	1 1/8	1 1/8

Material options are listed below!

Part Numbers for 1/8 NPT Male Thread to Tube Left-Hand Reducing V-Tees:

Thread Size → 1/8 (Fitting Series) RVT # (Larger Branch #) - # (Smaller Branch #) - LH ← Left-Hand Indicator

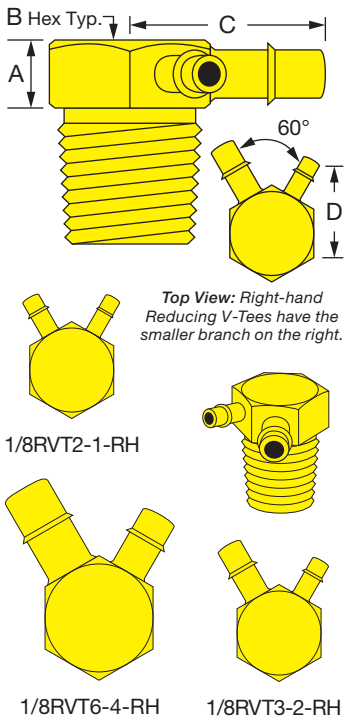
Unless otherwise specified, parts will be Brass. To order other materials, please add the following codes to the part number:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

310 — 1/8 NPT Male Thread to Tube Right-Hand Reducing V-Tees

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	3/16	7/16	3/8	3/8
.040 / 1mm	.040	3/16	7/16	3/8	3/8
3/64	.045	3/16	7/16	3/8	3/8
.050	.050	3/16	7/16	3/8	3/8
1/16	1	3/16	7/16	7/16	7/16
5/64 / 2mm	2	3/16	7/16	7/16	7/16
3/32	2 1/2	3/16	7/16	7/16	7/16
1/8	3	3/16	7/16	17/32	17/32
5/32 / 4mm	3 1/2	3/16	7/16	17/32	17/32

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
.170	4	1/4	7/16	9/16	9/16
3/16	5	1/4	7/16	19/32	19/32
7/32	5 1/2	1/4	7/16	19/32	19/32
6mm	5 3/4	5/16	9/16	23/32	23/32
1/4	6	5/16	9/16	23/32	23/32
5/16 / 8mm	7	15/32	9/16	15/16	15/16
3/8	8	45/64	5/8	27/32	27/32
1/2	10	45/64	3/4	1 1/8	1 1/8

Material options listed on previous page!



Top View: Right-hand Reducing V-Tees have the smaller branch on the right.

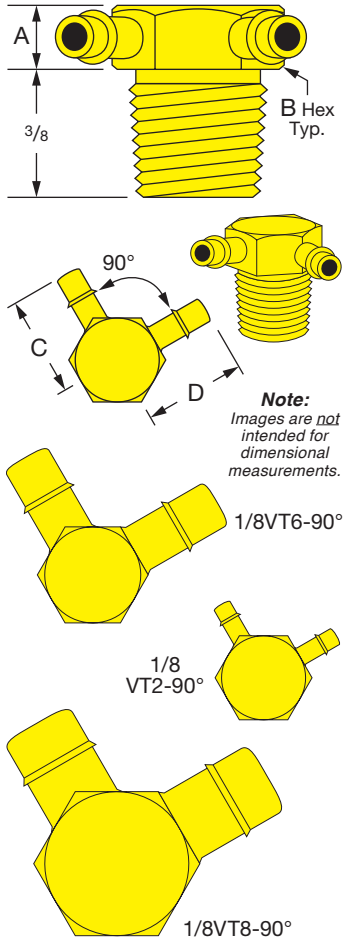
Part Numbers for 1/8 NPT Male Thread to Tube Right-Hand Reducing V-Tees:

Thread Size → 1/8 — Fitting Series: RVT — # - # — Larger Branch # / Smaller Branch # — RH ← Right-Hand Indicator

311 — 1/8 NPT Male Thread to Tube 90° V-Tees

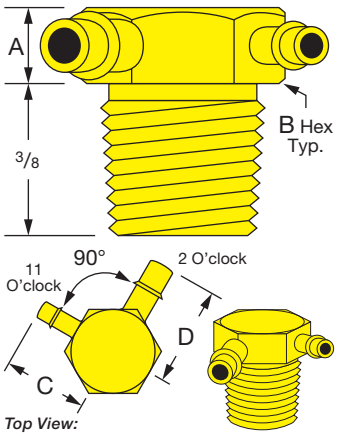
Tube ID	Part Numbers				Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref
1/32	1/8VT.031-90°	1/8VT.031-90°-SS	1/8VT.031-90°-316SS	1/8VT.031-90°-NP	9/16	7/16	Consult Factory	3/8
.040 / 1mm	1/8VT.040-90°	1/8VT.040-90°-SS	1/8VT.040-90°-316SS	1/8VT.040-90°-NP	9/16	7/16		3/8
3/64	1/8VT.045-90°	1/8VT.045-90°-SS	1/8VT.045-90°-316SS	1/8VT.045-90°-NP	9/16	7/16		3/8
.050	1/8VT.050-90°	1/8VT.050-90°-SS	1/8VT.050-90°-316SS	1/8VT.050-90°-NP	9/16	7/16		3/8
1/16	1/8VT1-90°	1/8VT1-90°-SS	1/8VT1-90°-316SS	1/8VT1-90°-NP	9/16	7/16		7/16
5/64 / 2mm	1/8VT2-90°	1/8VT2-90°-SS	1/8VT2-90°-316SS	1/8VT2-90°-NP	9/16	7/16		7/16
3/32	1/8VT2 1/2-90°	1/8VT2 1/2-90°-SS	1/8VT2 1/2-90°-316SS	1/8VT2 1/2-90°-NP	9/16	7/16		7/16
1/8	1/8VT3-90°	1/8VT3-90°-SS	1/8VT3-90°-316SS	1/8VT3-90°-NP	9/16	7/16		17/32
5/32 / 4mm	1/8VT3 1/2-90°	1/8VT3 1/2-90°-SS	1/8VT3 1/2-90°-316SS	1/8VT3 1/2-90°-NP	9/16	7/16		17/32
.170	1/8VT4-90°	1/8VT4-90°-SS	1/8VT4-90°-316SS	1/8VT4-90°-NP	5/8	7/16		9/16
3/16	1/8VT5-90°	1/8VT5-90°-SS	1/8VT5-90°-316SS	1/8VT5-90°-NP	5/8	7/16		19/32
7/32	1/8VT5 1/2-90°	1/8VT5 1/2-90°-SS	1/8VT5 1/2-90°-316SS	1/8VT5 1/2-90°-NP	5/8	7/16		19/32
6mm	1/8VT5 3/4-90°	1/8VT5 3/4-90°-SS	1/8VT5 3/4-90°-316SS	1/8VT5 3/4-90°-NP	11/16	7/16		23/32
1/4	1/8VT6-90°	1/8VT6-90°-SS	1/8VT6-90°-316SS	1/8VT6-90°-NP	11/16	7/16		23/32
5/16 / 8mm	1/8VT7-90°	1/8VT7-90°-SS	1/8VT7-90°-316SS	1/8VT7-90°-NP	15/32	7/16		15/16
3/8	1/8VT8-90°	1/8VT8-90°-SS	1/8VT8-90°-316SS	1/8VT8-90°-NP	1 5/64	5/8		27/32
1/2	1/8VT10-90°	1/8VT10-90°-SS	1/8VT10-90°-316SS	1/8VT10-90°-NP	1 5/64	3/4		1 1/8

Note: for systems that do not allow the degree symbol (°) to be used, it can be substituted with 'DEG' in the part number.



Note: *Images are not intended for dimensional measurements.*

1/8 NPT Male Thread to Tube Reducing Left-Hand 90° V-Tees 312



Top View:
Left-hand Reducing 90° V-Tees have the hex point branch at 2 o'clock, while the hex flatbranch is on the left, at 11 o'clock.

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	3/16	7/16	3/8	Consult Factory
.040 / 1mm	.040	3/16	7/16	3/8	
3/64	.045	3/16	7/16	3/8	
.050	.050	3/16	7/16	3/8	
1/16	1	3/16	7/16	7/16	
5/64 / 2mm	2	3/16	7/16	7/16	
3/32	2 1/2	3/16	7/16	7/16	
1/8	3	3/16	7/16	17/32	
5/32 / 4mm	3 1/2	3/16	7/16	17/32	

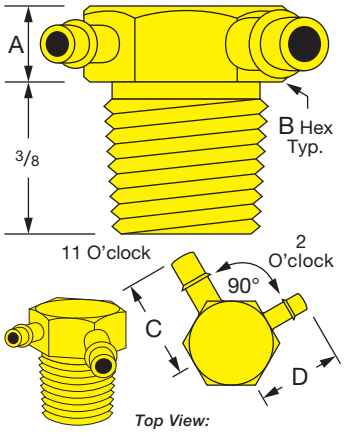
Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
.170	4	1/4	7/16	9/16	Consult Factory
3/16	5	1/4	7/16	19/32	
7/32	5 1/2	1/4	7/16	19/32	
6mm	5 3/4	5/16	7/16	23/32	
1/4	6	5/16	7/16	23/32	
5/16 / 8mm	7	15/32	7/16	15/16	
3/8	8	45/64	5/8	27/32	
1/2	10	45/64	5/8	1 1/8	

Note: *For systems that do not allow the degree symbol (°) to be used, substitute with 'DEG' in the part number.*

Part Numbers for 1/8 NPT Male Thread to Tube Reducing Left-Hand 90° V-Tees:

Thread Size → **1/8** (Fitting Series) **RVT** **#** (2 O'clock Branch) **-** **#** (11 O'clock Branch) **-** **90°** (90° Indicator) **-** **LH** ← Left-Hand Indicator

1/8 NPT Male Thread to Tube Reducing Right-Hand 90° V-Tees 313



Top View:
Right-hand Reducing 90° V-Tees have the hex point branch at 11 o'clock, while the hex flat branch is on the right, at 2 o'clock.

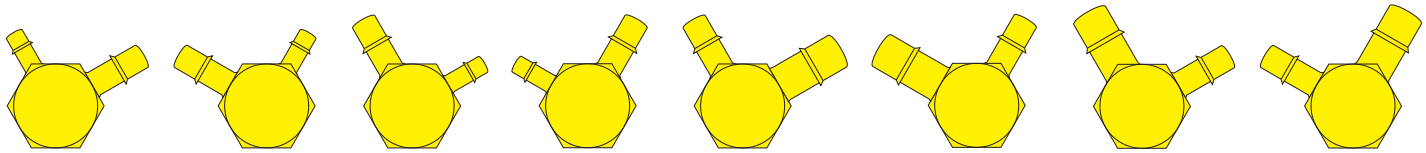
Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	3/16	7/16	Consult Factory	3/8
.040 / 1mm	.040	3/16	7/16		3/8
3/64	.045	3/16	7/16		3/8
.050	.050	3/16	7/16		3/8
1/16	1	3/16	7/16		7/16
5/64 / 2mm	2	3/16	7/16		7/16
3/32	2 1/2	3/16	7/16		7/16
1/8	3	3/16	7/16		17/32
5/32 / 4mm	3 1/2	3/16	7/16		17/32

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
.170	4	1/4	7/16	Consult Factory	9/16
3/16	5	1/4	7/16		19/32
7/32	5 1/2	1/4	7/16		19/32
6mm	5 3/4	5/16	7/16		23/32
1/4	6	5/16	7/16		23/32
5/16 / 8mm	7	15/32	7/16		15/16
3/8	8	45/64	5/8		27/32
1/2	10	45/64	5/8		1 1/8

Note: *For systems that do not allow the degree symbol (°) to be used, substitute with 'DEG' in the part number.*

Part Numbers for 1/8 NPT Male Thread to Tube Reducing Right-Hand 90° V-Tees:

Thread Size → **1/8** (Fitting Series) **RVT** **#** (11 O'clock Branch) **-** **#** (2 O'clock Branch) **-** **90°** (90° Indicator) **-** **RH** ← Right-Hand Indicator

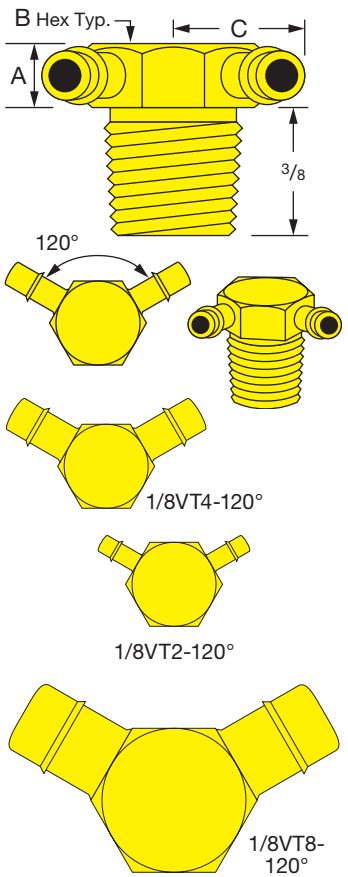


1/8RVT2-3-90°-RH | 1/8RVT2-3-90°-LH | 1/8RVT3-2-90°-RH | 1/8RVT3-2-90°-LH | 1/8RVT 3-5-90°-RH | 1/8RVT 3-5-90°-LH | 1/8RVT 5-3-90°-RH | 1/8RVT 5-3-90°-LH

Unless otherwise specified, parts will be Brass. To order other materials, please add the following codes to the part number:
-SS = Stainless Steel 303 **-316SS = Stainless Steel 316** **-NP = Electroless Nickel Plate**

314 1/8 NPT Male Thread to Tube 120° V-Tees

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/8VT.031-120°	1/8VT.031-120°-SS	1/8VT.031-120°-316SS	1/8VT.031-120°-NP	3/16	7/16	3/8
.040 / 1mm	1/8VT.040-120°	1/8VT.040-120°-SS	1/8VT.040-120°-316SS	1/8VT.040-120°-NP	3/16	7/16	3/8
3/64	1/8VT.045-120°	1/8VT.045-120°-SS	1/8VT.045-120°-316SS	1/8VT.045-120°-NP	3/16	7/16	3/8
.050	1/8VT.050-120°	1/8VT.050-120°-SS	1/8VT.050-120°-316SS	1/8VT.050-120°-NP	3/16	7/16	3/8
1/16	1/8VT1-120°	1/8VT1-120°-SS	1/8VT1-120°-316SS	1/8VT1-120°-NP	3/16	7/16	7/16
5/64 / 2mm	1/8VT2-120°	1/8VT2-120°-SS	1/8VT2-120°-316SS	1/8VT2-120°-NP	3/16	7/16	7/16
3/32	1/8VT2 1/2-120°	1/8VT2 1/2-120°-SS	1/8VT2 1/2-120°-316SS	1/8VT2 1/2-120°-NP	3/16	7/16	7/16
1/8	1/8VT3-120°	1/8VT3-120°-SS	1/8VT3-120°-316SS	1/8VT3-120°-NP	3/16	7/16	17/32
5/32 / 4mm	1/8VT3 1/2-120°	1/8VT3 1/2-120°-SS	1/8VT3 1/2-120°-316SS	1/8VT3 1/2-120°-NP	3/16	7/16	17/32
.170	1/8VT4-120°	1/8VT4-120°-SS	1/8VT4-120°-316SS	1/8VT4-120°-NP	1/4	7/16	9/16
3/16	1/8VT5-120°	1/8VT5-120°-SS	1/8VT5-120°-316SS	1/8VT5-120°-NP	1/4	7/16	19/32
7/32	1/8VT5 1/2-120°	1/8VT5 1/2-120°-SS	1/8VT5 1/2-120°-316SS	1/8VT5 1/2-120°-NP	1/4	7/16	19/32
6mm	1/8VT5 3/4-120°	1/8VT5 3/4-120°-SS	1/8VT5 3/4-120°-316SS	1/8VT5 3/4-120°-NP	5/16	9/16	23/32
1/4	1/8VT6-120°	1/8VT6-120°-SS	1/8VT6-120°-316SS	1/8VT6-120°-NP	5/16	9/16	23/32
5/16 / 8mm	1/8VT7-120°	1/8VT7-120°-SS	1/8VT7-120°-316SS	1/8VT7-120°-NP	15/32	9/16	15/16
3/8	1/8VT8-120°	1/8VT8-120°-SS	1/8VT8-120°-316SS	1/8VT8-120°-NP	45/64	5/8	27/32
1/2	1/8VT10-120°	1/8VT10-120°-SS	1/8VT10-120°-316SS	1/8VT10-120°-NP	45/64	5/8	1 1/8

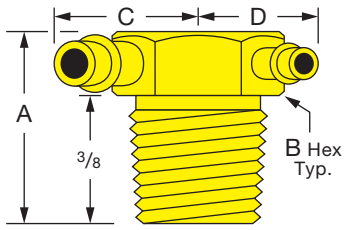


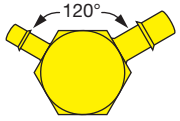
315 1/8 NPT Male Thread to Tube Reducing Left or Right-Hand 120° V-Tees

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	3/16	7/16	3/8	3/8
.040 / 1mm	.040	3/16	7/16	3/8	3/8
3/64	.045	3/16	7/16	3/8	3/8
.050	.050	3/16	7/16	3/8	3/8
1/16	1	3/16	7/16	7/16	7/16
5/64 / 2mm	2	3/16	7/16	7/16	7/16
3/32	2 1/2	3/16	7/16	7/16	7/16
1/8	3	3/16	7/16	17/32	17/32
5/32 / 4mm	3 1/2	3/16	7/16	17/32	17/32

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
.170	4	1/4	7/16	9/16	9/16
3/16	5	1/4	7/16	19/32	19/32
7/32	5 1/2	1/4	7/16	19/32	19/32
6mm	5 3/4	5/16	9/16	23/32	23/32
1/4	6	5/16	9/16	23/32	23/32
5/16 / 8mm	7	15/32	9/16	15/16	15/16
3/8	8	45/64	5/8	27/32	27/32
1/2	10	45/64	5/8	1 1/8	1 1/8

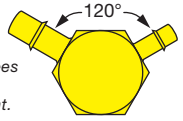
Note: *For systems that do not allow the degree symbol (°) to be used, substitute it with 'DEG' in the part number.*





Top View: *Left-hand Reducing 120° V-Tees have the smaller branch on the left.*

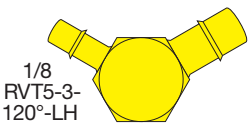
Top View: *Right-hand Reducing 120° V-Tees have the smaller branch on the right.*

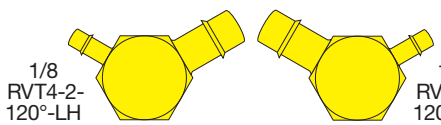


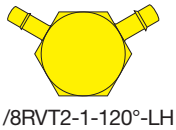
Part Numbers for 1/8 NPT Male Thread to Tube Reducing Left or Right-Hand 120° V-Tees:

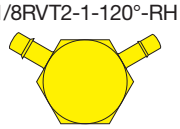
Thread Size → **1/8** **RVT** **#** - **#** - **120°** - **LH/RH** ← 120° Indicator

RVT: Fitting Series; **#**: Larger Branch; **#**: Smaller Branch; **120°**: Left/Right-Hand Indicator

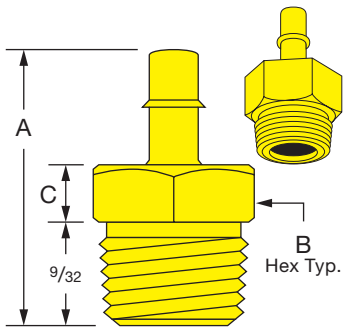


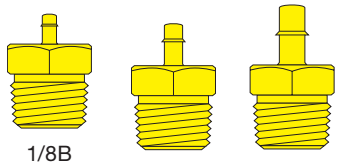


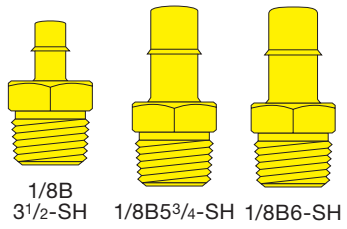




1/8 NPT Short Male Thread to Tube — 316



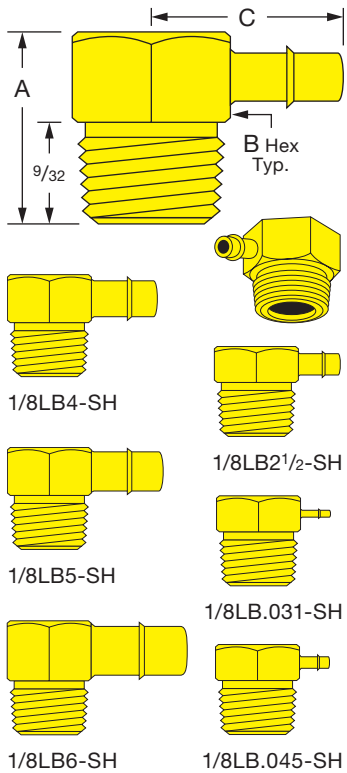




Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/8B.031-SH	1/8B.031-SH-SS	1/8B.031-SH-316SS	N/A	1/8B.031-SH-NP	5/16	7/16	5/32
.040 / 1mm	1/8B.040-SH	1/8B.040-SH-SS	1/8B.040-SH-316SS	N/A	1/8B.040-SH-NP	5/16	7/16	5/32
3/64	1/8B.045-SH	1/8B.045-SH-SS	1/8B.045-SH-316SS	N/A	1/8B.045-SH-NP	5/16	7/16	5/32
.050	1/8B.050-SH	1/8B.050-SH-SS	1/8B.050-SH-316SS	N/A	1/8B.050-SH-NP	5/16	7/16	5/32
1/16	1/8B1-SH	1/8B1-SH-SS	1/8B1-SH-316SS	1/8B1-SH-AL	1/8B1-SH-NP	21/32	7/16	5/32
5/64 / 2mm	1/8B2-SH	1/8B2-SH-SS	1/8B2-SH-316SS	1/8B2-SH-AL	1/8B2-SH-NP	21/32	7/16	5/32
3/32	1/8B2 1/2-SH	1/8B2 1/2-SH-SS	1/8B2 1/2-SH-316SS	1/8B2 1/2-SH-AL	1/8B2 1/2-SH-NP	21/32	7/16	5/32
1/8	1/8B3-SH	1/8B3-SH-SS	1/8B3-SH-316SS	1/8B3-SH-AL	1/8B3-SH-NP	3/4	7/16	5/32
5/32 / 4mm	1/8B3 1/2-SH	1/8B3 1/2-SH-SS	1/8B3 1/2-SH-316SS	1/8B3 1/2-SH-AL	1/8B3 1/2-SH-NP	3/4	7/16	5/32
.170	1/8B4-SH	1/8B4-SH-SS	1/8B4-SH-316SS	1/8B4-SH-AL	1/8B4-SH-NP	3/4	7/16	5/32
3/16	1/8B5-SH	1/8B5-SH-SS	1/8B5-SH-316SS	1/8B5-SH-AL	1/8B5-SH-NP	7/8	7/16	7/32
7/32	1/8B5 1/2-SH	1/8B5 1/2-SH-SS	1/8B5 1/2-SH-316SS	1/8B5 1/2-SH-AL	1/8B5 1/2-SH-NP	7/8	7/16	7/32
6mm	1/8B5 3/4-SH	1/8B5 3/4-SH-SS	1/8B5 3/4-SH-316SS	1/8B5 3/4-SH-AL	1/8B5 3/4-SH-NP	15/16	7/16	5/32
1/4	1/8B6-SH	1/8B6-SH-SS	1/8B6-SH-316SS	1/8B6-SH-AL	1/8B6-SH-NP	15/16	7/16	5/32

Larger Branch sizes/tube ID's available! Lead times and minimum quantities apply! Consult factory for details!

1/8 NPT Short Male Thread to Tube Elbows — 317



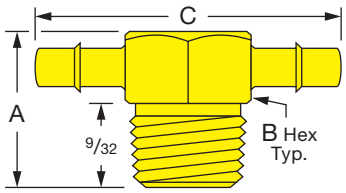
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/8LB.031-SH	1/8LB.031-SH-SS	1/8LB.031-SH-316SS	1/8LB.031-SH-NP	15/32	7/16	3/8
.040 / 1mm	1/8LB.040-SH	1/8LB.040-SH-SS	1/8LB.040-SH-316SS	1/8LB.040-SH-NP	15/32	7/16	3/8
3/64	1/8LB.045-SH	1/8LB.045-SH-SS	1/8LB.045-SH-316SS	1/8LB.045-SH-NP	15/32	7/16	3/8
.050	1/8LB.050-SH	1/8LB.050-SH-SS	1/8LB.050-SH-316SS	1/8LB.050-SH-NP	15/32	7/16	3/8
1/16	1/8LB1-SH	1/8LB1-SH-SS	1/8LB1-SH-316SS	1/8LB1-SH-NP	15/32	7/16	7/16
5/64 / 2mm	1/8LB2-SH	1/8LB2-SH-SS	1/8LB2-SH-316SS	1/8LB2-SH-NP	15/32	7/16	7/16
3/32	1/8LB2 1/2-SH	1/8LB2 1/2-SH-SS	1/8LB2 1/2-SH-316SS	1/8LB2 1/2-SH-NP	15/32	7/16	7/16
1/8	1/8LB3-SH	1/8LB3-SH-SS	1/8LB3-SH-316SS	1/8LB3-SH-NP	15/32	7/16	17/32
5/32 / 4mm	1/8LB3 1/2-SH	1/8LB3 1/2-SH-SS	1/8LB3 1/2-SH-316SS	1/8LB3 1/2-SH-NP	15/32	7/16	17/32
.170	1/8LB4-SH	1/8LB4-SH-SS	1/8LB4-SH-316SS	1/8LB4-SH-NP	17/32	7/16	9/16
3/16	1/8LB5-SH	1/8LB5-SH-SS	1/8LB5-SH-316SS	1/8LB5-SH-NP	17/32	7/16	19/32
7/32	1/8LB5 1/2-SH	1/8LB5 1/2-SH-SS	1/8LB5 1/2-SH-316SS	1/8LB5 1/2-SH-NP	17/32	7/16	19/32
6mm	1/8LB5 3/4-SH	1/8LB5 3/4-SH-SS	1/8LB5 3/4-SH-316SS	1/8LB5 3/4-SH-NP	19/32	7/16	23/32
1/4	1/8LB6-SH	1/8LB6-SH-SS	1/8LB6-SH-316SS	1/8LB6-SH-NP	19/32	7/16	23/32

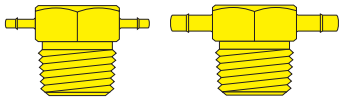
Note: *Images are for visual representation only. Dimensions may vary at time of manufacturing.*

Standard 1/8 NPT thread height = 3/8" • Short Thread (-SH) 1/8 NPT thread height = 9/32"

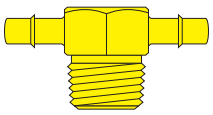
318 — 1/8 NPT Short Male Thread to Tube Tees

Tube ID	Part Numbers: Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	Dimensions (Reference): A Ref.	B Typ.	C Ref.
1/32	1/8T.031-SH	1/8T.031-SH-SS	1/8T.031-SH-316SS	1/8T.031-SH-NP	15/32	7/16	3/4
.040 / 1mm	1/8T.040-SH	1/8T.040-SH-SS	1/8T.040-SH-316SS	1/8T.040-SH-NP	15/32	7/16	3/4
3/64	1/8T.045-SH	1/8T.045-SH-SS	1/8T.045-SH-316SS	1/8T.045-SH-NP	15/32	7/16	3/4
.050	1/8T.050-SH	1/8T.050-SH-SS	1/8T.050-SH-316SS	1/8T.050-SH-NP	15/32	7/16	3/4
1/16	1/8T1-SH	1/8T1-SH-SS	1/8T1-SH-316SS	1/8T1-SH-NP	15/32	7/16	7/8
5/64 / 2mm	1/8T2-SH	1/8T2-SH-SS	1/8T2-SH-316SS	1/8T2-SH-NP	15/32	7/16	7/8
3/32	1/8T2 1/2-SH	1/8T2 1/2-SH-SS	1/8T2 1/2-SH-316SS	1/8T2 1/2-SH-NP	15/32	7/16	7/8
1/8	1/8T3-SH	1/8T3-SH-SS	1/8T3-SH-316SS	1/8T3-SH-NP	15/32	7/16	1 1/16
5/32 / 4mm	1/8T3 1/2-SH	1/8T3 1/2-SH-SS	1/8T3 1/2-SH-316SS	1/8T3 1/2-SH-NP	15/32	7/16	1 1/16
.170	1/8T4-SH	1/8T4-SH-SS	1/8T4-SH-316SS	1/8T4-SH-NP	17/32	7/16	1 5/32
3/16	1/8T5-SH	1/8T5-SH-SS	1/8T5-SH-316SS	1/8T5-SH-NP	17/32	7/16	1 3/16
7/32	1/8T5 1/2-SH	1/8T5 1/2-SH-SS	1/8T5 1/2-SH-316SS	1/8T5 1/2-SH-NP	17/32	7/16	1 3/16
6mm	1/8T5 3/4-SH	1/8T5 3/4-SH-SS	1/8T5 3/4-SH-316SS	1/8T5 3/4-SH-NP	19/32	7/16	1 7/16
1/4	1/8T6-SH	1/8T6-SH-SS	1/8T6-SH-316SS	1/8T6-SH-NP	19/32	7/16	1 7/16

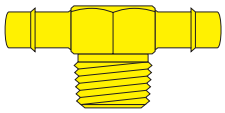




1/8T.040-SH 1/8T1-SH



1/8T3-SH



1/8T4-SH

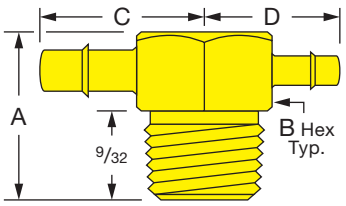
Note: *Dimensions may vary at time of manufacturing. Consult factory for details!*

M

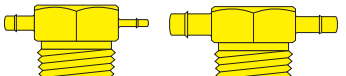
319 — 1/8 NPT Short Male Thread to Tube Reducing Tees

Branches: Tube ID	Branch Number	Dimensions (Reference): A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	15/32	7/16	3/8	3/8
.040 / 1mm	.040	15/32	7/16	3/8	3/8
3/64	.045	15/32	7/16	3/8	3/8
.050	.050	15/32	7/16	3/8	3/8
1/16	1	15/32	7/16	7/16	7/16
5/64 / 2mm	2	15/32	7/16	7/16	7/16
3/32	2 1/2	15/32	7/16	7/16	7/16

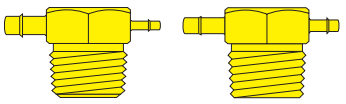
Branches: Tube ID	Branch Number	Dimensions (Reference): A Ref.	B Typ.	C Ref.	D Ref.
1/8	3	17/32	7/16	17/32	17/32
5/32 / 4mm	3 1/2	17/32	7/16	17/32	17/32
.170	4	17/32	7/16	9/16	9/16
3/16	5	17/32	7/16	19/32	19/32
7/32	5 1/2	17/32	7/16	19/32	19/32
6mm	5 3/4	19/32	7/16	23/32	23/32
1/4	6	19/32	7/16	23/32	23/32



Note: *Hex dimensions default to accommodate larger branch size.*



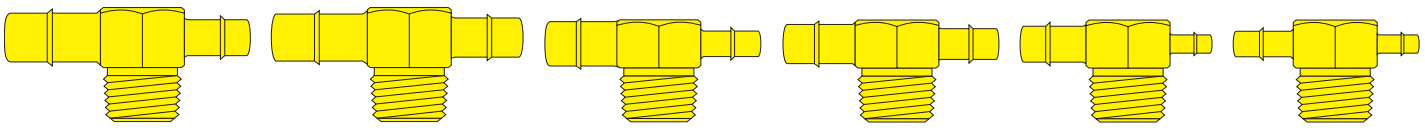
1/8RT .050-.031-SH 1/8RT2 1/2-1-SH



1/8RT 2-.040-SH 1/8RT 1-.045-SH

Part Numbers for 1/8 NPT Short Male Thread to Tube Reducing Tees:

Thread Size → 1/8 — Fitting Series → RT — # (Larger Branch #) - # (Smaller Branch #) — SH ← Short Thread Indicator



1/8RT6-4-SH 1/8RT5 3/4-5-SH 1/8RT5 1/2-3-SH 1/8RT5-3 1/2-SH 1/8RT4-2-SH 1/8RT3-2-SH

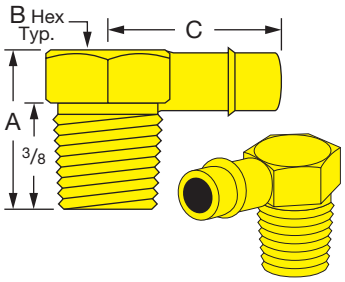
Unless otherwise specified, parts will be Brass. To order other materials, please add the following codes to the part number:

-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

Larger Branch sizes available! Consult factory details!

Standard 1/8 NPT thread height = 3/8" • Short Thread (-SH) 1/8 NPT thread height = 9/32"

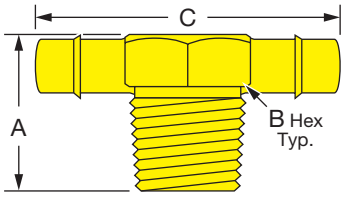
1/8 NPT Male Thread to Tube Low Profile Elbows 320



Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
.170	1/8LB4-LP	1/8LB4-LP-SS	1/8LB4-LP-316SS	1/8LB4-LP-NP	15/16	7/16	9/16
3/16	1/8LB5-LP	1/8LB5-LP-SS	1/8LB5-LP-316SS	1/8LB5-LP-NP	15/16	7/16	19/32

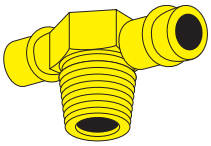
Low Profile Fittings: #4 & #5 Branches with shorter (3/16 vs. 1/4) hex height!

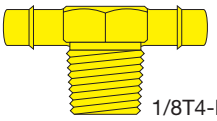
1/8 NPT Male Thread to Tube Low Profile Tees 321

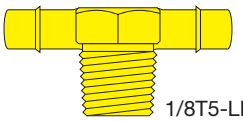


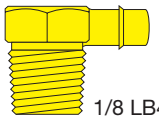
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
.170	1/8T4-LP	1/8T4-LP-SS	1/8T4-LP-316SS	1/8T4-LP-NP	15/16	7/16	1 1/8
3/16	1/8T5-LP	1/8T5-LP-SS	1/8T5-LP-316SS	1/8T5-LP-NP	15/16	7/16	1 3/16

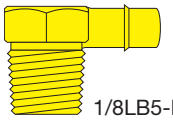
Note: *Dimensions may vary at time of manufacturing.*



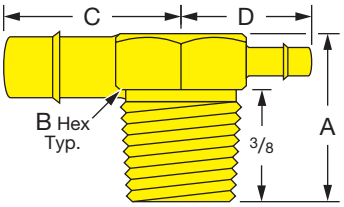

1/8T4-LP

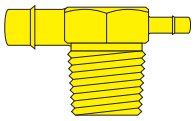

1/8T5-LP

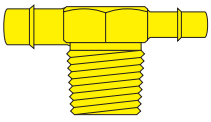

1/8 LB4-LP

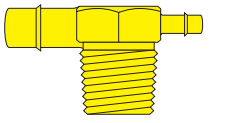

1/8LB5-LP

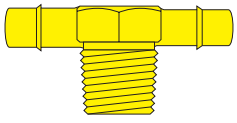
1/8 NPT Male Thread to Tube Low Profile Reducing Tees 322




1/8RT4-1-LP


1/8RT4-3-LP


1/8RT5-2-LP

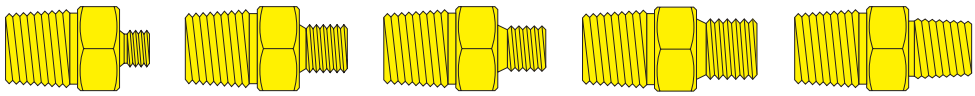

1/8RT5-4-LP

Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
.170	1/32	1/8RT4-.031-LP	1/8RT4-.031-LP-SS	1/8RT4-.031-LP-316SS	1/8RT4-.031-LP-NP	15/16	7/16	9/16	3/8
.170	.040 / 1mm	1/8RT4-.040-LP	1/8RT4-.040-LP-SS	1/8RT4-.040-LP-316SS	1/8RT4-.040-LP-NP	15/16	7/16	9/16	3/8
.170	3/64	1/8RT4-.045-LP	1/8RT4-.045-LP-SS	1/8RT4-.045-LP-316SS	1/8RT4-.045-LP-NP	15/16	7/16	9/16	3/8
.170	.050	1/8RT4-.050-LP	1/8RT4-.050-LP-SS	1/8RT4-.050-LP-316SS	1/8RT4-.050-LP-NP	15/16	7/16	9/16	3/8
.170	1/16	1/8RT4-1-LP	1/8RT4-1-LP-SS	1/8RT4-1-LP-316SS	1/8RT4-1-LP-NP	15/16	7/16	9/16	7/16
.170	5/64 / 2mm	1/8RT4-2-LP	1/8RT4-2-LP-SS	1/8RT4-2-LP-316SS	1/8RT4-2-LP-NP	15/16	7/16	9/16	7/16
.170	3/32	1/8RT4-2 1/2-LP	1/8RT4-2 1/2-LP-SS	1/8RT4-2 1/2-LP-316SS	1/8RT4-2 1/2-LP-NP	15/16	7/16	9/16	7/16
.170	1/8	1/8RT4-3-LP	1/8RT4-3-LP-SS	1/8RT4-3-LP-316SS	1/8RT4-3-LP-NP	15/16	7/16	9/16	17/32
.170	5/32 / 4mm	1/8RT4-3 1/2-LP	1/8RT4-3 1/2-LP-SS	1/8RT4-3 1/2-LP-316SS	1/8RT4-3 1/2-LP-NP	15/16	7/16	9/16	17/32
3/16	1/32	1/8RT5-.031-LP	1/8RT5-.031-LP-SS	1/8RT5-.031-LP-316SS	1/8RT5-.031-LP-NP	15/16	7/16	19/32	3/8
3/16	.040 / 1mm	1/8RT5-.040-LP	1/8RT5-.040-LP-SS	1/8RT5-.040-LP-316SS	1/8RT5-.040-LP-NP	15/16	7/16	19/32	3/8
3/16	3/64	1/8RT5-.045-LP	1/8RT5-.045-LP-SS	1/8RT5-.045-LP-316SS	1/8RT5-.045-LP-NP	15/16	7/16	19/32	3/8
3/16	.050	1/8RT5-.050-LP	1/8RT5-.050-LP-SS	1/8RT5-.050-LP-316SS	1/8RT5-.050-LP-NP	15/16	7/16	19/32	3/8
3/16	1/16	1/8RT5-1-LP	1/8RT5-1-LP-SS	1/8RT5-1-LP-316SS	1/8RT5-1-LP-NP	15/16	7/16	19/32	7/16
3/16	5/64 / 2mm	1/8RT5-2-LP	1/8RT5-2-LP-SS	1/8RT5-2-LP-316SS	1/8RT5-2-LP-NP	15/16	7/16	19/32	7/16
3/16	3/32	1/8RT5-2 1/2-LP	1/8RT5-2 1/2-LP-SS	1/8RT5-2 1/2-LP-316SS	1/8RT5-2 1/2-LP-NP	15/16	7/16	19/32	7/16
3/16	1/8	1/8RT5-3-LP	1/8RT5-3-LP-SS	1/8RT5-3-LP-316SS	1/8RT5-3-LP-NP	15/16	7/16	19/32	17/32
3/16	5/32 / 4mm	1/8RT5-3 1/2-LP	1/8RT5-3 1/2-LP-SS	1/8RT5-3 1/2-LP-316SS	1/8RT5-3 1/2-LP-NP	15/16	7/16	19/32	17/32
3/16	.170	1/8RT5-4-LP	1/8RT5-4-LP-SS	1/8RT5-4-LP-316SS	1/8RT5-4-LP-NP	15/16	7/16	19/32	9/16

Note: *Images are for visual representation only.*

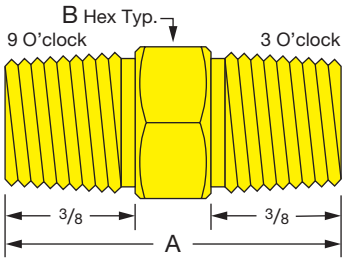
323 1/8 NPT Male Thread Hex Nipple & Reducing Hex Nipples

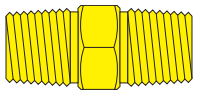
9 O'clock Thread Size	3 O'clock Thread Size	Part Numbers					Dimensions (Reference)	
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.
1/8 NPT	1/8 NPT	1/8HN	1/8HN-SS	1/8HN-316SS	1/8HN-AL	1/8HN-NP	31/32	7/16
1/8 NPT	10-32	1/8x10-RHN	1/8x10-RHN-SS	1/8x10-RHN-316SS	1/8x10-RHN-AL	1/8x10-RHN-NP	3/4	7/16
1/8 NPT	1/4-28	1/8x4-28-RHN	1/8x4-28-RHN-SS	1/8x4-28-RHN-316SS	1/8x4-28-RHN-AL	1/8x4-28-RHN-NP	27/32	7/16
1/8 NPT	7/16-20 SAE	1/8x7/16-20-SAE-RHN	1/8x7/16-20-SAE-RHN-SS	1/8x7/16-20-SAE-RHN-316SS	1/8x7/16-20-SAE-RHN-AL	1/8x7/16-20-SAE-RHN-NP	*Consult Factory*	
1/8 NPT	9/16-18 SAE	1/8x9/16-18-SAE-RHN	1/8x9/16-18-SAE-RHN-SS	1/8x9/16-18-SAE-RHN-316SS	1/8x9/16-18-SAE-RHN-AL	1/8x9/16-18-SAE-RHN-NP	*Consult Factory*	
1/8 NPT	M3	1/8xM3-RHN	1/8xM3-RHN-SS	1/8xM3-RHN-316SS	1/8xM3-RHN-AL	1/8xM3-RHN-NP	*Consult Factory*	
1/8 NPT	M5	1/8xM5-RHN	1/8xM5-RHN-SS	1/8xM5-RHN-316SS	1/8xM5-RHN-AL	1/8xM5-RHN-NP	3/4	7/16
1/8 NPT	M6x1	1/8xM6x1-RHN	1/8xM6x1-RHN-SS	1/8xM6x1-RHN-316SS	1/8xM6x1-RHN-AL	1/8xM6x1-RHN-NP	27/32	7/16
1/8 NPT	M8x1	1/8xM8x1-RHN	1/8xM8x1-RHN-SS	1/8xM8x1-RHN-316SS	1/8xM8x1-RHN-AL	1/8xM8x1-RHN-NP	29/32	7/16
1/8 NPT	M10x 1.25	1/8xM10x 1.25-RHN	1/8xM10x1.25-RHN-SS	1/8xM10x1.25-RHN-316SS	1/8xM10x1.25-RHN-AL	1/8xM10x1.25-RHN-NP	*Consult Factory*	
1/8 NPT	1/16 NPT	1/8x1/16-RHN	1/8x1/16-RHN-SS	1/8x1/16-RHN-316SS	1/8x1/16-RHN-AL	1/8x1/16-RHN-NP	59/64	7/16



1/8x10-RHN 1/8x4-28-RHN 1/8xM6x1-RHN 1/8xM8x1-RHN 1/8x1/16-RHN

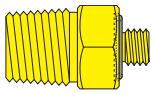
Reducing Hex Nipple Tees & Crosses also available! Consult factory for details!



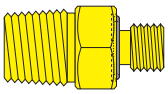


1/8HN

O-Ring options available on straight (reducing) threads!



1/8x10-RHN-O



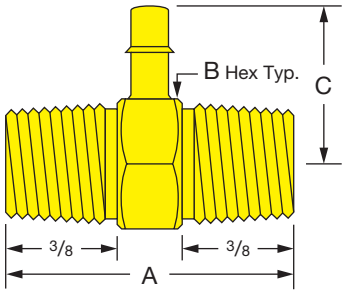
1/8x4-28-RHN-O

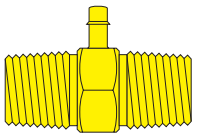
O-Ring materials on page 65!

M

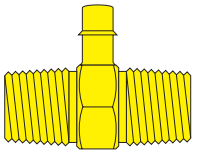
324 1/8 NPT Male Hex Nipples with Tube Branches: Tees

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/8HN-T.031	1/8HN-T.031-SS	1/8HN-T.031-316SS	1/8HN-T.031-NP	31/32	7/16	3/8
.040 / 1mm	1/8HN-T.040	1/8HN-T.040-SS	1/8HN-T.040-316SS	1/8HN-T.040-NP	31/32	7/16	3/8
3/64	1/8HN-T.045	1/8HN-T.045-SS	1/8HN-T.045-316SS	1/8HN-T.045-NP	31/32	7/16	3/8
.050	1/8HN-T.050	1/8HN-T.050-SS	1/8HN-T.050-316SS	1/8HN-T.050-NP	31/32	7/16	3/8
1/16	1/8HN-T1	1/8HN-T1-SS	1/8HN-T1-316SS	1/8HN-T1-NP	31/32	7/16	7/16
5/64 / 2mm	1/8HN-T2	1/8HN-T2-SS	1/8HN-T2-316SS	1/8HN-T2-NP	31/32	7/16	7/16
3/32	1/8HN-T2 1/2	1/8HN-T2 1/2-SS	1/8HN-T2 1/2-316SS	1/8HN-T2 1/2-NP	31/32	7/16	7/16
1/8	1/8HN-T3	1/8HN-T3-SS	1/8HN-T3-316SS	1/8HN-T3-NP	31/32	7/16	17/32
5/32 / 4mm	1/8HN-T3 1/2	1/8HN-T3 1/2-SS	1/8HN-T3 1/2-316SS	1/8HN-T3 1/2-NP	31/32	7/16	17/32
.170	1/8HN-T4	1/8HN-T4-SS	1/8HN-T4-316SS	1/8HN-T4-NP	1	7/16	9/16
3/16	1/8HN-T5	1/8HN-T5-SS	1/8HN-T5-316SS	1/8HN-T5-NP	1	7/16	19/32
7/32	1/8HN-T5 1/2	1/8HN-T5 1/2-SS	1/8HN-T5 1/2-316SS	1/8HN-T5 1/2-NP	1	7/16	19/32
6mm	1/8HN-T5 3/4	1/8HN-T5 3/4-SS	1/8HN-T5 3/4-316SS	1/8HN-T5 3/4-NP	1 1/16	7/16	23/32
1/4	1/8HN-T6	1/8HN-T6-SS	1/8HN-T6-316SS	1/8HN-T6-NP	1 1/16	7/16	23/32
5/16 / 8mm	1/8HN-T7	1/8HN-T7-SS	1/8HN-T7-316SS	1/8HN-T7-NP	*Consult Factory*		
3/8	1/8HN-T8	1/8HN-T8-SS	1/8HN-T8-316SS	1/8HN-T8-NP	*Consult Factory*		
1/2	1/8HN-T10	1/8HN-T10-SS	1/8HN-T10-316SS	1/8HN-T10-NP	*Consult Factory*		

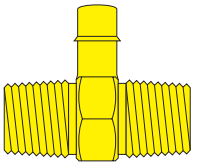




1/8HN-T2

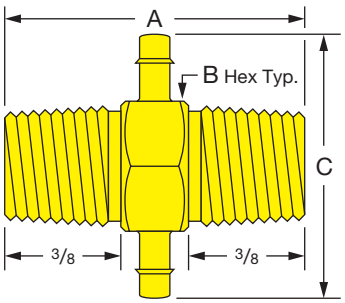


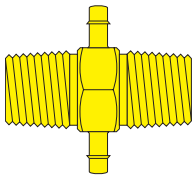
1/8HN-T3 1/2

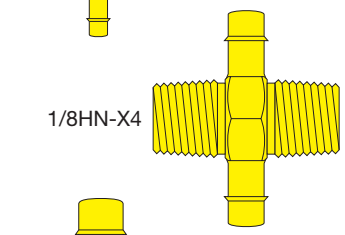


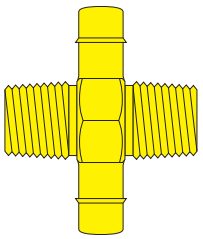
1/8HN-T5

1/8 NPT Male Thread Hex Nipples with Tube Branches: Crosses 325




1/8HN-X2

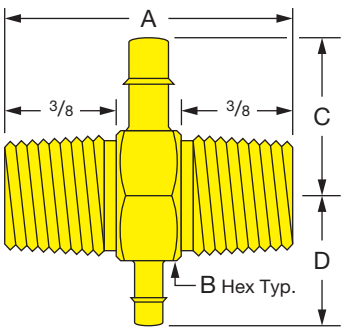

1/8HN-X4


1/8HN-X5 1/2

Note: *Images are not intended for dimensional measurements.*

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/8HN-X.031	1/8HN-X.031-SS	1/8HN-X.031-316SS	1/8HN-X.031-NP	31/32	7/16	3/4
.040 / 1mm	1/8HN-X.040	1/8HN-X.040-SS	1/8HN-X.040-316SS	1/8HN-X.040-NP	31/32	7/16	3/4
3/64	1/8HN-X.045	1/8HN-X.045-SS	1/8HN-X.045-316SS	1/8HN-X.045-NP	31/32	7/16	3/4
.050	1/8HN-X.050	1/8HN-X.050-SS	1/8HN-X.050-316SS	1/8HN-X.050-NP	31/32	7/16	3/4
1/16	1/8HN-X1	1/8HN-X1-SS	1/8HN-X1-316SS	1/8HN-X1-NP	31/32	7/16	7/8
5/64 / 2mm	1/8HN-X2	1/8HN-X2-SS	1/8HN-X2-316SS	1/8HN-X2-NP	31/32	7/16	7/8
3/32	1/8HN-X2 1/2	1/8HN-X2 1/2-SS	1/8HN-X2 1/2-316SS	1/8HN-X2 1/2-NP	31/32	7/16	7/8
1/8	1/8HN-X3	1/8HN-X3-SS	1/8HN-X3-316SS	1/8HN-X3-NP	31/32	7/16	1 1/16
5/32 / 4mm	1/8HN-X3 1/2	1/8HN-X3 1/2-SS	1/8HN-X3 1/2-316SS	1/8HN-X3 1/2-NP	31/32	7/16	1 1/16
.170	1/8HN-X4	1/8HN-X4-SS	1/8HN-X4-316SS	1/8HN-X4-NP	31/32	7/16	1 1/8
3/16	1/8HN-X5	1/8HN-X5-SS	1/8HN-X5-316SS	1/8HN-X5-NP	1	7/16	1 3/16
7/32	1/8HN-X5 1/2	1/8HN-X5 1/2-SS	1/8HN-X5 1/2-316SS	1/8HN-X5 1/2-NP	1	7/16	1 3/16
6mm	1/8HN-X5 3/4	1/8HN-X5 3/4-SS	1/8HN-X5 3/4-316SS	1/8HN-X5 3/4-NP	1 1/16	7/16	1 7/16
1/4	1/8HN-X6	1/8HN-X6-SS	1/8HN-X6-316SS	1/8HN-X6-NP	1 1/16	7/16	1 7/16
5/16 / 8mm	1/8HN-X7	1/8HN-X7-SS	1/8HN-X7-316SS	1/8HN-X7-NP	*Consult Factory*		
3/8	1/8HN-X8	1/8HN-X8-SS	1/8HN-X8-316SS	1/8HN-X8-NP	*Consult Factory*		
1/2	1/8HN-X10	1/8HN-X10-SS	1/8HN-X10-316SS	1/8HN-X10-NP	*Consult Factory*		

1/8 NPT Male Thread Hex Nipples with Tube Branches: Reducing Crosses 326

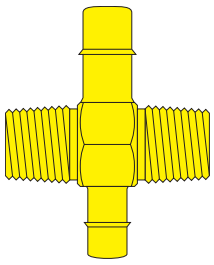


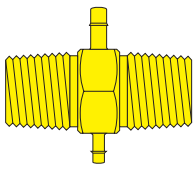
Branches		Dimensions (Reference)			
Tube ID	Branch #	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	31/32	7/16	3/8	3/8
.040 / 1mm	.040	31/32	7/16	3/8	3/8
3/64	.045	31/32	7/16	3/8	3/8
.050	.050	31/32	7/16	3/8	3/8
1/16	1	31/32	7/16	7/16	7/16
5/64 / 2mm	2	31/32	7/16	7/16	7/16

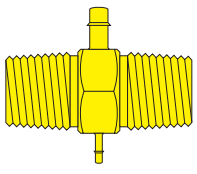
Branches		Dimensions (Reference)			
Tube ID	Branch #	A Ref.	B Typ.	C Ref.	D Ref.
3/32	2 1/2	31/32	7/16	7/16	7/16
1/8	3	31/32	7/16	17/32	17/32
5/32 / 4mm	3 1/2	31/32	7/16	17/32	17/32
.170	4	31/32	7/16	9/16	9/16
3/16	5	1	7/16	19/32	19/32
7/32	5 1/2	1	7/16	19/32	19/32

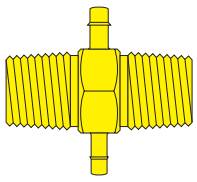
Branches		Dimensions (Reference)			
Tube ID	Branch #	A Ref.	B Typ.	C Ref.	D Ref.
6mm	5 3/4	1 1/16	7/16	23/32	23/32
1/4	6	1 1/16	7/16	23/32	23/32
5/16 / 8mm	7	*Consult Factory*			
3/8	8	*Consult Factory*			
1/2	10	*Consult Factory*			

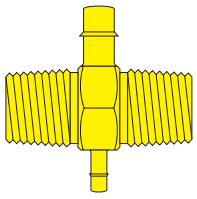
Reducing threads available!

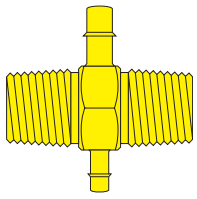

1/8HN-RX6-5


1/8HN-RX1-.045


1/8HN-RX2-.031


1/8HN-RX2-1


1/8HN-RX3 1/2-1


1/8HN-RX3-2

Part Numbers for 1/8 NPT Hex Nipples with Reducing Cross Branches:

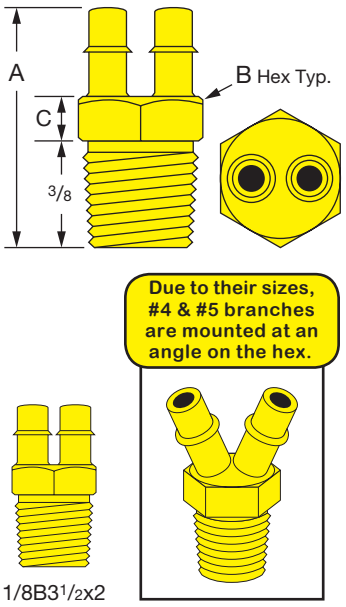
Thread Size → **1/8** **HN-RX** **#** **-** **#** ← Smaller Branch #

Fitting Series ↑ ↑ Larger Branch #

Unless otherwise specified, parts will be Brass. To order other materials, add the following codes to the part number:
-SS = Stainless Steel 303
-316SS = Stainless Steel 316
-NP = Electroless Nickel Plate

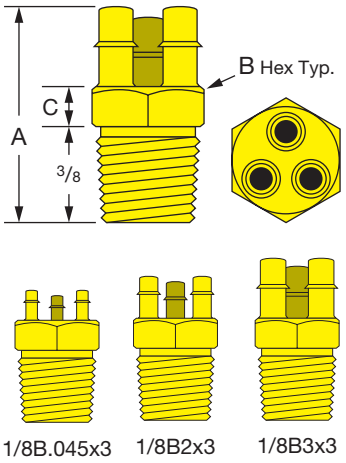
327 1/8 NPT Male Thread Straight Manifolds with 2 Branches

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/8B.031x2	1/8B.031x2-SS	1/8B.031x2-316SS	1/8B.031x2-NP	23/32	7/16	3/16
.040 / 1mm	1/8B.040x2	1/8B.040x2-SS	1/8B.040x2-316SS	1/8B.040x2-NP	23/32	7/16	3/16
3/64	1/8B.045x2	1/8B.045x2-SS	1/8B.045x2-316SS	1/8B.045x2-NP	23/32	7/16	3/16
.050	1/8B.050x2	1/8B.050x2-SS	1/8B.050x2-316SS	1/8B.050x2-NP	23/32	7/16	3/16
1/16	1/8B1x2	1/8B1x2-SS	1/8B1x2-316SS	1/8B1x2-NP	25/32	7/16	3/16
5/64 / 2mm	1/8B2x2	1/8B2x2-SS	1/8B2x2-316SS	1/8B2x2-NP	25/32	7/16	3/16
3/32	1/8B2 1/2x2	1/8B2 1/2x2-SS	1/8B2 1/2x2-316SS	1/8B2 1/2x2-NP	25/32	7/16	3/16
1/8	1/8B3x2	1/8B3x2-SS	1/8B3x2-316SS	1/8B3x2-NP	7/8	7/16	3/16
5/32 / 4mm	1/8B3 1/2x2	1/8B3 1/2x2-SS	1/8B3 1/2x2-316SS	1/8B3 1/2x2-NP	7/8	7/16	3/16
.170	1/8B4x2	1/8B4x2-SS	1/8B4x2-316SS	1/8B4x2-NP	29/32	7/16	3/16
3/16	1/8B5x2	1/8B5x2-SS	1/8B5x2-316SS	1/8B5x2-NP	15/16	7/16	3/16



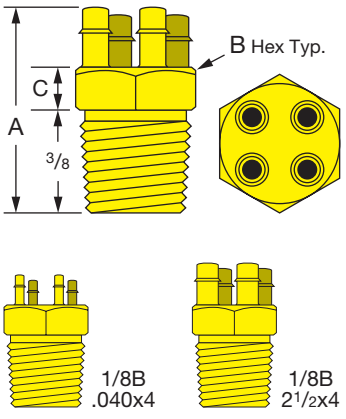
328 1/8 NPT Male Thread Straight Manifolds with 3 Branches

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/8B.031x3	1/8B.031x3-SS	1/8B.031x3-316SS	1/8B.031x3-NP	23/32	7/16	3/16
.040 / 1mm	1/8B.040x3	1/8B.040x3-SS	1/8B.040x3-316SS	1/8B.040x3-NP	23/32	7/16	3/16
3/64	1/8B.045x3	1/8B.045x3-SS	1/8B.045x3-316SS	1/8B.045x3-NP	23/32	7/16	3/16
.050	1/8B.050x3	1/8B.050x3-SS	1/8B.050x3-316SS	1/8B.050x3-NP	23/32	7/16	3/16
1/16	1/8B1x3	1/8B1x3-SS	1/8B1x3-316SS	1/8B1x3-NP	25/32	7/16	3/16
5/64 / 2mm	1/8B2x3	1/8B2x3-SS	1/8B2x3-316SS	1/8B2x3-NP	25/32	7/16	3/16
3/32	1/8B2 1/2x3	1/8B2 1/2x3-SS	1/8B2 1/2x3-316SS	1/8B2 1/2x3-NP	25/32	7/16	3/16
1/8	1/8B3x3	1/8B3x3-SS	1/8B3x3-316SS	1/8B3x3-NP	7/8	7/16	3/16



329 1/8 NPT Male Thread Straight Manifolds with 4 Branches

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/8B.031x4	1/8B.031x4-SS	1/8B.031x4-316SS	1/8B.031x4-NP	23/32	7/16	3/16
.040 / 1mm	1/8B.040x4	1/8B.040x4-SS	1/8B.040x4-316SS	1/8B.040x4-NP	23/32	7/16	3/16
3/64	1/8B.045x4	1/8B.045x4-SS	1/8B.045x4-316SS	1/8B.045x4-NP	23/32	7/16	3/16
.050	1/8B.050x4	1/8B.050x4-SS	1/8B.050x4-316SS	1/8B.050x4-NP	23/32	7/16	3/16
1/16	1/8B1x4	1/8B1x4-SS	1/8B1x4-316SS	1/8B1x4-NP	25/32	7/16	3/16
5/64 / 2mm	1/8B2x4	1/8B2x4-SS	1/8B2x4-316SS	1/8B2x4-NP	25/32	7/16	3/16
3/32	1/8B2 1/2x4	1/8B2 1/2x4-SS	1/8B2 1/2x4-316SS	1/8B2 1/2x4-NP	25/32	7/16	3/16



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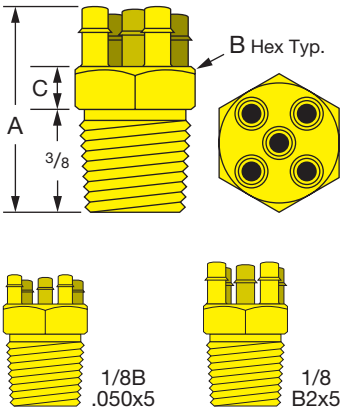
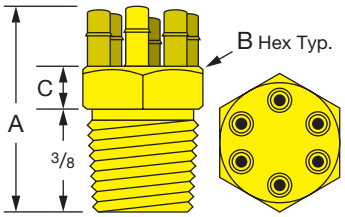
1/8 NPT Male Thread Straight Manifolds with 5 Branches — 330



Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/8B.031x5	1/8B.031x5-SS	1/8B.031x5-316SS	1/8B.031x5-NP	23/32	7/16	3/16
.040 / 1mm	1/8B.040x5	1/8B.040x5-SS	1/8B.040x5-316SS	1/8B.040x5-NP	23/32	7/16	3/16
3/64	1/8B.045x5	1/8B.045x5-SS	1/8B.045x5-316SS	1/8B.045x5-NP	23/32	7/16	3/16
.050	1/8B.050x5	1/8B.050x5-SS	1/8B.050x5-316SS	1/8B.050x5-NP	23/32	7/16	3/16
1/16	1/8B1x5	1/8B1x5-SS	1/8B1x5-316SS	1/8B1x5-NP	25/32	7/16	3/16
5/64 / 2mm	1/8B2x5	1/8B2x5-SS	1/8B2x5-316SS	1/8B2x5-NP	25/32	7/16	3/16
3/32	1/8B2 1/2x5	1/8B2 1/2x5-SS	1/8B2 1/2x5-316SS	1/8B2 1/2x5-NP	25/32	7/16	3/16

M

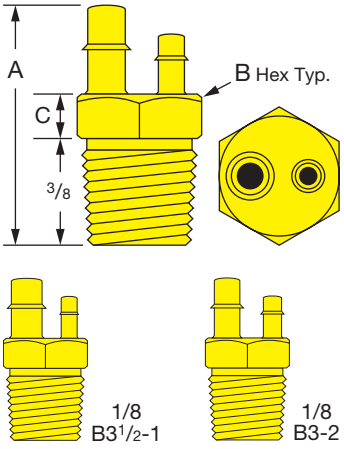
1/8 NPT Male Thread Straight Manifolds with 6 Branches — 331



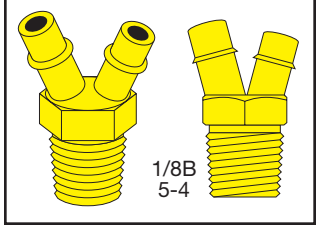
Customize branch locations using the template on page 179!

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/8B.031x6	1/8B.031x6-SS	1/8B.031x6-316SS	1/8B.031x6-NP	23/32	7/16	3/16
.040 / 1mm	1/8B.040x6	1/8B.040x6-SS	1/8B.040x6-316SS	1/8B.040x6-NP	23/32	7/16	3/16
3/64	1/8B.045x6	1/8B.045x6-SS	1/8B.045x6-316SS	1/8B.045x6-NP	23/32	7/16	3/16
.050	1/8B.050x6	1/8B.050x6-SS	1/8B.050x6-316SS	1/8B.050x6-NP	23/32	7/16	3/16
1/16	1/8B1x6	1/8B1x6-SS	1/8B1x6-316SS	1/8B1x6-NP	25/32	7/16	3/16

1/8 NPT Male Thread Straight Reducing Manifolds with 2 Branches — 332



Note: 1/8B5-4 branches are mounted at an angle on the hex!



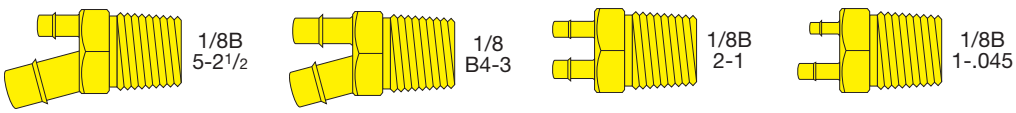
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/32	.031	23/32	7/16	3/16
.040 / 1mm	.040	23/32	7/16	3/16
3/64	.045	23/32	7/16	3/16
.050	.050	23/32	7/16	3/16
1/16	1	25/32	7/16	3/16
5/64 / 2mm	2	25/32	7/16	3/16

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
3/32	2 1/2	25/32	7/16	3/16
1/8	3	7/8	7/16	3/16
5/32 / 4mm	3 1/2	7/8	7/16	3/16
.170	4	29/32	7/16	3/16
3/16	5	15/16	7/16	3/16

More branch options available! Consult factory!

Part Numbers for 1/8 NPT Male Thread Reducing Manifolds with 2 Branches:

Thread Size → 1/8 | B (Fitting Series) | # (Larger Branch Number) - # (Smaller Branch Number)

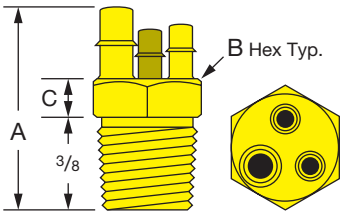


Unless otherwise specified, parts will be Brass. To order other materials, use the following codes:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

333 1/8 NPT Male Thread Straight Reducing Manifolds with 3 Branches

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/32	.031	23/32	7/16	3/16
.040 / 1mm	.040	23/32	7/16	3/16
3/64	.045	23/32	7/16	3/16
.050	.050	23/32	7/16	3/16

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/16	1	25/32	7/16	3/16
5/64 / 2mm	2	25/32	7/16	3/16
3/32	2 1/2	25/32	7/16	3/16
1/8	3	7/8	7/16	3/16



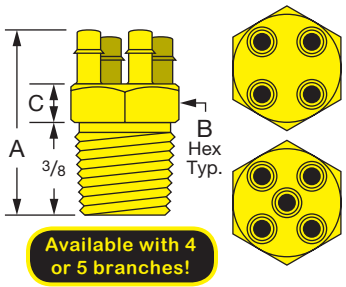
Material options on previous page!

334 1/8 NPT Male Thread Straight Reducing Manifolds with 4 or 5 Branches

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/32	.031	23/32	7/16	3/16
.040 / 1mm	.040	23/32	7/16	3/16
3/64	.045	23/32	7/16	3/16
.050	.050	23/32	7/16	3/16

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/16	1	25/32	7/16	3/16
5/64 / 2mm	2	25/32	7/16	3/16
3/32	2 1/2	25/32	7/16	3/16

Material options listed on previous page!



Available with 4 or 5 branches!

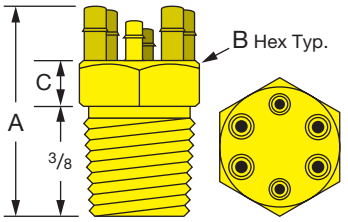
M

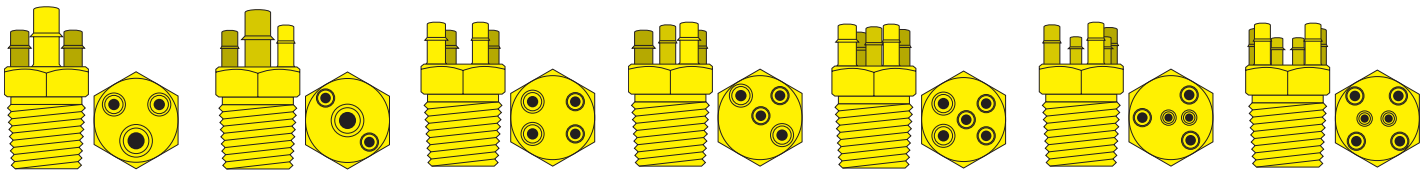
335 1/8 NPT Male Thread Straight Reducing Manifolds with 6 Branches

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/32	.031	23/32	7/16	3/16
.040 / 1mm	.040	23/32	7/16	3/16
3/64	.045	23/3	7/16	3/16

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
.050	.050	23/32	7/16	3/16
1/16	1	25/32	7/16	3/16

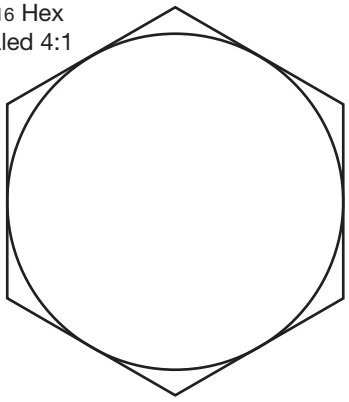
Material options listed on previous page!





1/8 NPT Male Thread Straight Manifold Template for Branch Sizes and Locations

Top View:
7/16 Hex
Scaled 4:1



To Use: Indicate the desired location of each branch by writing the numbers 1 through 6 (1 = 1st Branch, etc.) on the diagram on the left. Mark the coordinating Branch Number (size) in the chart below. Reference tables on pages 177-179 for Branch Numbers and Tube ID's. Upon receipt of this template, a part number* will be issued.

Consult factory for details!

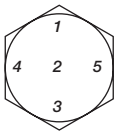
Branch Numbers:

1st Branch (1) = _____ 4th Branch (4) = _____

2nd Branch (2) = _____ 5th Branch (5) = _____

3rd Branch (3) = _____ 6th Branch (6) = _____

Example:



Branch Numbers:

1st Branch (1) = 2 4th Branch (4) = 1

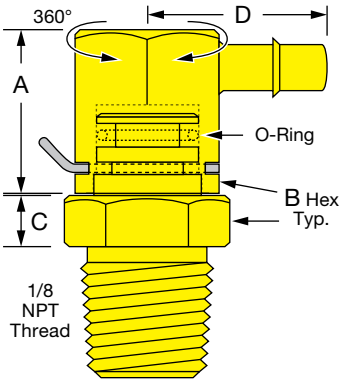
2nd Branch (2) = 2 5th Branch (5) = 1

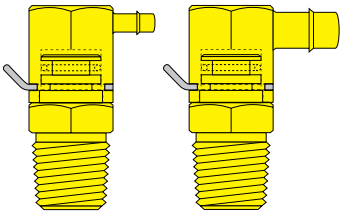
3rd Branch (3) = 2 6th Branch (6) = n/a

Part number: **1/8B2-2-2-1-1**
Two #2 Branches (1st, 2nd, 3rd)
Two #1 Branches (4th, 5th)

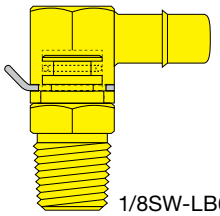
*Part numbers will vary depending on branch configuration.

1/8 NPT Male Thread to Tube Swivel Elbows with Clip Groove 336





1/8SW-LB2-GT 1/8SW-LB4-GT

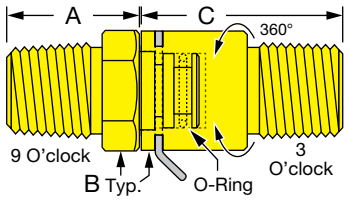


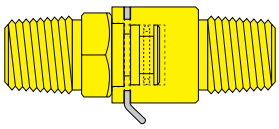
1/8SW-LB6-GT

Tube ID	Part Numbers				Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/32	1/8SW-LB.031-GT	1/8SW-LB.031-GT-SS	1/8SW-LB.031-GT-316SS	1/8SW-LB.031-GT-NP	Consult Factory	7/16	5/32	3/8
.040 / 1mm	1/8SW-LB.040-GT	1/8SW-LB.040-GT-SS	1/8SW-LB.040-GT-316SS	1/8SW-LB.040-GT-NP		7/16	5/32	3/8
3/64	1/8SW-LB.045-GT	1/8SW-LB.045-GT-SS	1/8SW-LB.045-GT-316SS	1/8SW-LB.045-GT-NP		7/16	5/32	3/8
.050	1/8SW-LB.050-GT	1/8SW-LB.050-GT-SS	1/8SW-LB.050-GT-316SS	1/8SW-LB.050-GT-NP		7/16	5/32	3/8
1/16	1/8SW-LB1-GT	1/8SW-LB1-GT-SS	1/8SW-LB1-GT-316SS	1/8SW-LB1-GT-NP		7/16	5/32	7/16
5/64 / 2mm	1/8SW-LB2-GT	1/8SW-LB2-GT-SS	1/8SW-LB2-GT-316SS	1/8SW-LB2-GT-NP		7/16	5/32	7/16
3/32	1/8SW-LB2 1/2-GT	1/8SW-LB2 1/2-GT-SS	1/8SW-LB2 1/2-GT-316SS	1/8SW-LB2 1/2-GT-NP		7/16	5/32	7/16
1/8	1/8SW-LB3-GT	1/8SW-LB3-GT-SS	1/8SW-LB3-GT-316SS	1/8SW-LB3-GT-NP		7/16	5/32	17/32
5/32 / 4mm	1/8SW-LB31/2-GT	1/8SW-LB3 1/2-GT-SS	1/8SW-LB3 1/2-GT-316SS	1/8SW-LB3 1/2-GT-NP		7/16	5/32	17/32
.170	1/8SW-LB4-GT	1/8SW-LB4-GT-SS	1/8SW-LB4-GT-316SS	1/8SW-LB4-GT-NP		7/16	5/32	9/16
3/16	1/8SW-LB5-GT	1/8SW-LB5-GT-SS	1/8SW-LB5-GT-316SS	1/8SW-LB5-GT-NP		7/16	7/32	19/32
7/32	1/8SW-LB5 1/2-GT	1/8SW-LB5 1/2-GT-SS	1/8SW-LB5 1/2-GT-316SS	1/8SW-LB5 1/2-GT-NP		7/16	7/32	19/32
6mm	1/8SW-LB5 3/4-GT	1/8SW-LB5 3/4-GT-SS	1/8SW-LB5 3/4-GT-316SS	1/8SW-LB5 3/4-GT-NP		7/16	5/32	23/32
1/4	1/8SW-LB6-GT	1/8SW-LB6-GT-SS	1/8SW-LB6-GT-316SS	1/8SW-LB6-GT-NP		7/16	5/32	23/32
5/16 / 8mm	1/8SW-LB7-GT	1/8SW-LB7-GT-SS	1/8SW-LB7-GT-316SS	1/8SW-LB7-GT-NP		5/8	5/32	15/16
3/8	1/8SW-LB8-GT	1/8SW-LB8-GT-SS	1/8SW-LB8-GT-316SS	1/8SW-LB8-GT-NP		5/8	5/32	27/32
1/2	1/8SW-LB10-GT	1/8SW-LB10-GT-SS	1/8SW-LB10-GT-316SS	1/8SW-LB10-GT-NP		3/4	3/16	1 1/8

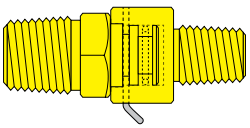
Additional Swivel fitting options available throughout this catalog! Consult factory for details!

1/8 NPT Male Thread Swivel Nipples and Reducing Swivel Nipples 337



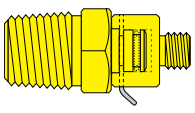


1/8SWN-GT

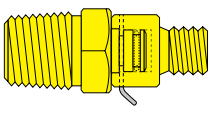


1/8RSWN-1/16-GT

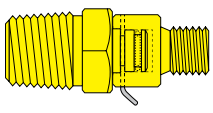
9 O'clock Thread Size	3 O'clock Thread Size	Part Numbers					Dimensions (Reference)		
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/8	1/8	1/8SWN-GT	1/8SWN-GT-SS	1/8SWN-GT-316SS	1/8SWN-GT-AL	1/8SWN-GT-NP	Consult Factory	Consult Factory	Consult Factory
1/8	5/16-24	1/8RSWN-5/16-24-GT	1/8RSWN-5/16-24-GT-SS	1/8RSWN-5/16-24-GT-316SS	1/8RSWN-5/16-24-GT-AL	1/8RSWN-5/16-24-GT-NP			
1/8	5/16-18	1/8-RSWN-5/16-18-GT	1/8RSWN-5/16-18-GT-SS	1/8RSWN-5/16-18-GT-316SS	1/8RSWN-5/16-18-GT-AL	1/8RSWN-5/16-18-GT-NP			
1/8	1/16	1/8RSWN-1/16-GT	1/8RSWN-1/16-GT-SS	1/8RSWN-1/16-GT-316SS	1/8RSWN-1/16-GT-AL	1/8RSWN-1/16-GT-NP			
1/8	1/4-28	1/8RSWN-4-28-GT	1/8RSWN-4-28-GT-SS	1/8RSWN-4-28-GT-316SS	1/8RSWN-4-28-GT-AL	1/8RSWN-4-28-GT-NP			
1/8	1/4-20	1/8RSWN-4-20-GT	1/8RSWN-4-20-GT-SS	1/8RSWN-4-20-GT-316SS	1/8RSWN-4-20-GT-AL	1/8RSWN-4-20-GT-NP			
1/8	10-32	1/8RSWN-10-GT	1/8RSWN-10-GT-SS	1/8RSWN-10-GT-316SS	1/8RSWN-10-GT-AL	1/8RSWN-10-GT-NP			



1/8RSWN-10-GT

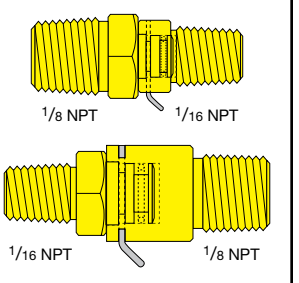


1/8RSWN-4-20-GT



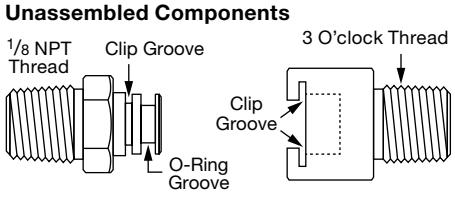
1/8RSWN-4-28-GT

Other combinations available!

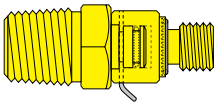


Consult factory for details!

Unassembled Components



O-Rings available on straight threads!

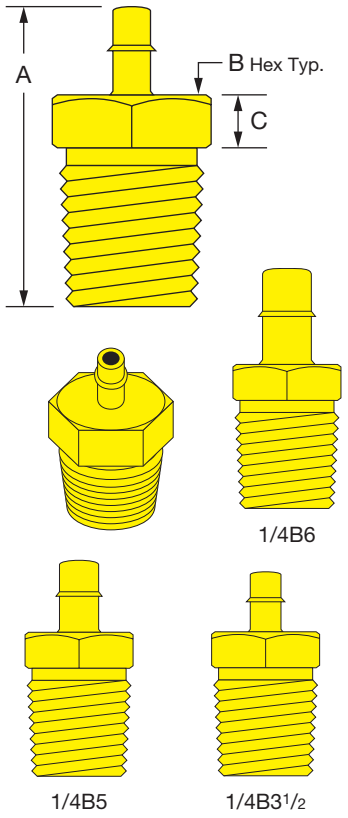


1/8RSWN-4-28-O-GT

O-Ring options on page 65!

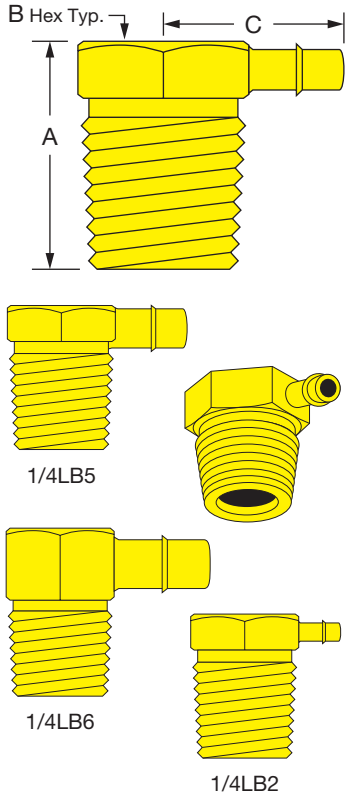
338 — 1/4 NPT Male Thread to Tube

Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/4B.031	1/4B.031-SS	1/4B.031-316SS	**N/A**	1/4B.031-NP	29/32	9/16	3/16
.040 / 1mm	1/4B.040	1/4B.040-SS	1/4B.040-316SS	**N/A**	1/4B.040-NP	29/32	9/16	3/16
3/64	1/4B.045	1/4B.045-SS	1/4B.045-316SS	**N/A**	1/4B.045-NP	29/32	9/16	3/16
.050	1/4B.050	1/4B.050-SS	1/4B.050-316SS	**N/A**	1/4B.050-NP	29/32	9/16	3/16
1/16	1/4B1	1/4B1-SS	1/4B1-316SS	1/4B1-AL	1/4B1-NP	31/32	9/16	3/16
5/64 / 2mm	1/4B2	1/4B2-SS	1/4B2-316SS	1/4B2-AL	1/4B2-NP	31/32	9/16	3/16
3/32	1/4B2 1/2	1/4B2 1/2-SS	1/4B2 1/2-316SS	1/4B2 1/2-AL	1/4B2 1/2-NP	31/32	9/16	3/16
1/8	1/4B3	1/4B3-SS	1/4B3-316SS	1/4B3-AL	1/4B3-NP	1 1/16	9/16	3/16
5/32 / 4mm	1/4B3 1/2	1/4B3 1/2-SS	1/4B3 1/2-316SS	1/4B3 1/2-AL	1/4B3 1/2-NP	1 1/16	9/16	3/16
.170	1/4B4	1/4B4-SS	1/4B4-316SS	1/4B4-AL	1/4B4-NP	1 3/32	9/16	3/16
3/16	1/4B5	1/4B5-SS	1/4B5-316SS	1/4B5-AL	1/4B5-NP	1 1/8	9/16	3/16
7/32	1/4B5 1/2	1/4B5 1/2-SS	1/4B5 1/2-316SS	1/4B5 1/2-AL	1/4B5 1/2-NP	1 1/8	9/16	3/16
6mm	1/4B5 3/4	1/4B5 3/4-SS	1/4B5 3/4-316SS	1/4B5 3/4-AL	1/4B5 3/4-NP	1 1/4	9/16	3/16
1/4	1/4B6	1/4B6-SS	1/4B6-316SS	1/4B6-AL	1/4B6-NP	1 1/4	9/16	3/16
5/16 / 8mm	1/4B7	1/4B7-SS	1/4B7-316SS	1/4B7-AL	1/4B7-NP	1 3/8	9/16	3/16
3/8	1/4B8	1/4B8-SS	1/4B8-316SS	1/4B8-AL	1/4B8-NP	1 9/32	9/16	3/16
1/2	1/4B10	1/4B10-SS	1/4B10-316SS	1/4B10-AL	1/4B10-NP	1 9/16	5/8	3/16



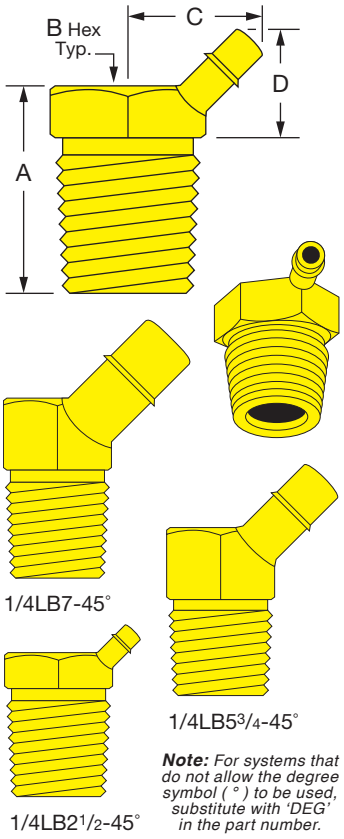
339 — 1/4 NPT Male Thread to Tube Elbows

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/4LB.031	1/4LB.031-SS	1/4LB.031-316SS	1/4LB.031-NP	3/4	9/16	7/16
.040 / 1mm	1/4LB.040	1/4LB.040-SS	1/4LB.040-316SS	1/4LB.040-NP	3/4	9/16	7/16
3/64	1/4LB.045	1/4LB.045-SS	1/4LB.045-316SS	1/4LB.045-NP	3/4	9/16	7/16
.050	1/4LB.050	1/4LB.050-SS	1/4LB.050-316SS	1/4LB.050-NP	3/4	9/16	7/16
1/16	1/4LB1	1/4LB1-SS	1/4LB1-316SS	1/4LB1-NP	3/4	9/16	1/2
5/64 / 2mm	1/4LB2	1/4LB2-SS	1/4LB2-316SS	1/4LB2-NP	3/4	9/16	1/2
3/32	1/4LB2 1/2	1/4LB2 1/2-SS	1/4LB2 1/2-316SS	1/4LB2 1/2-NP	3/4	9/16	1/2
1/8	1/4LB3	1/4LB3-SS	1/4LB3-316SS	1/4LB3-NP	3/4	9/16	19/32
5/32 / 4mm	1/4LB3 1/2	1/4LB3 1/2-SS	1/4LB3 1/2-316SS	1/4LB3 1/2-NP	3/4	9/16	19/32
.170	1/4LB4	1/4LB4-SS	1/4LB4-316SS	1/4LB4-NP	3/4	9/16	5/8
3/16	1/4LB5	1/4LB5-SS	1/4LB5-316SS	1/4LB5-NP	3/4	9/16	21/32
7/32	1/4LB5 1/2	1/4LB5 1/2-SS	1/4LB5 1/2-316SS	1/4LB5 1/2-NP	3/4	9/16	21/32
6mm	1/4LB5 3/4	1/4LB5 3/4-SS	1/4LB5 3/4-316SS	1/4LB5 3/4-NP	7/8	9/16	23/32
1/4	1/4LB6	1/4LB6-SS	1/4LB6-316SS	1/4LB6-NP	7/8	9/16	23/32
5/16 / 8mm	1/4LB7	1/4LB7-SS	1/4LB7-316SS	1/4LB7-NP	15/16	9/16	29/32
3/8	1/4LB8	1/4LB8-SS	1/4LB8-316SS	1/4LB8-NP	1 17/64	5/8	27/32
1/2	1/4LB10	1/4LB10-SS	1/4LB10-316SS	1/4LB10-NP	1 17/64	5/8	1 1/32



Note: *Images are for visual representation only; not intended for dimensional measurements.*

1/4 NPT Male Thread to Tube 45° Elbows 340



Note: *For systems that do not allow the degree symbol (°) to be used, substitute with 'DEG' in the part number.*

Tube ID	Part Numbers				Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/32	1/4LB.031-45°	1/4LB.031-45°-SS	1/4LB.031-45°-316SS	1/4LB.031-45°-NP	3/4	9/16		
.040 / 1mm	1/4LB.040-45°	1/4LB.040-45°-SS	1/4LB.040-45°-316SS	1/4LB.040-45°-NP	3/4	9/16		
3/64	1/4LB.045-45°	1/4LB.045-45°-SS	1/4LB.045-45°-316SS	1/4LB.045-45°-NP	3/4	9/16		
.050	1/4LB.050-45°	1/4LB.050-45°-SS	1/4LB.050-45°-316SS	1/4LB.050-45°-NP	3/4	9/16		
1/16	1/4LB1-45°	1/4LB1-45°-SS	1/4LB1-45°-316SS	1/4LB1-45°-NP	3/4	9/16		
5/64 / 2mm	1/4LB2-45°	1/4LB2-45°-SS	1/4LB2-45°-316SS	1/4LB2-45°-NP	3/4	9/16		
3/32	1/4LB2½-45°	1/4LB2½-45°-SS	1/4LB2½-45°-316SS	1/4LB2½-45°-NP	3/4	9/16		
1/8	1/4LB3-45°	1/4LB3-45°-SS	1/4LB3-45°-316SS	1/4LB3-45°-NP	3/4	9/16		
5/32 / 4mm	1/4LB3½-45°	1/4LB3½-45°-SS	1/4LB3½-45°-316SS	1/4LB3½-45°-NP	3/4	9/16		
.170	1/4LB4-45°	1/4LB4-45°-SS	1/4LB4-45°-316SS	1/4LB4-45°-NP	3/4	9/16		
3/16	1/4LB5-45°	1/4LB5-45°-SS	1/4LB5-45°-316SS	1/4LB5-45°-NP	3/4	9/16		
7/32	1/4LB5½-45°	1/4LB5½-45°-SS	1/4LB5½-45°-316SS	1/4LB5½-45°-NP	3/4	9/16		
6mm	1/4LB5¾-45°	1/4LB5¾-45°-SS	1/4LB5¾-45°-316SS	1/4LB5¾-45°-NP	7/8	9/16		
1/4	1/4LB6-45°	1/4LB6-45°-SS	1/4LB6-45°-316SS	1/4LB6-45°-NP	7/8	9/16		
5/16 / 8mm	1/4LB7-45°	1/4LB7-45°-SS	1/4LB7-45°-316SS	1/4LB7-45°-NP	15/16	9/16		
3/8	1/4LB8-45°	1/4LB8-45°-SS	1/4LB8-45°-316SS	1/4LB8-45°-NP	1 17/64	5/8		
1/2	1/4LB10-45°	1/4LB10-45°-SS	1/4LB10-45°-316SS	1/4LB10-45°-NP	1 17/64	5/8		

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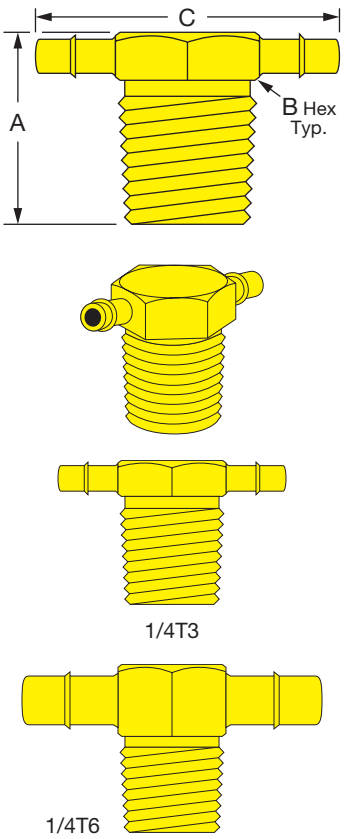
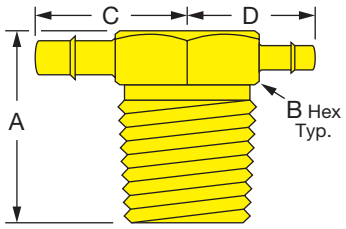
1/4 NPT Male Thread to Tube Tees 341

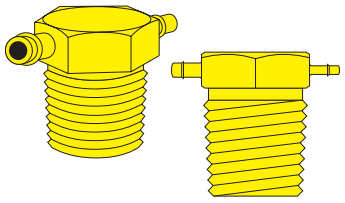


Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/4T.031	1/4T.031-SS	1/4T.031-316SS	1/4T.031-NP	3/4	9/16	7/8
.040 / 1mm	1/4T.040	1/4T.040-SS	1/4T.040-316SS	1/4T.040-NP	3/4	9/16	7/8
3/64	1/4T.045	1/4T.045-SS	1/4T.045-316SS	1/4T.045-NP	3/4	9/16	7/8
.050	1/4T.050	1/4T.050-SS	1/4T.050-316SS	1/4T.050-NP	3/4	9/16	7/8
1/16	1/4T1	1/4T1-SS	1/4T1-316SS	1/4T1-NP	3/4	9/16	1
5/64 / 2mm	1/4T2	1/4T2-SS	1/4T2-316SS	1/4T2-NP	3/4	9/16	1
3/32	1/4T2½	1/4T2½-SS	1/4T2½-316SS	1/4T2½-NP	3/4	9/16	1
1/8	1/4T3	1/4T3-SS	1/4T3-316SS	1/4T3-NP	3/4	9/16	1 3/16
5/32 / 4mm	1/4T3½	1/4T3½-SS	1/4T3½-316SS	1/4T3½-NP	3/4	9/16	1 3/16
.170	1/4T4	1/4T4-SS	1/4T4-316SS	1/4T4-NP	3/4	9/16	1 1/4
3/16	1/4T5	1/4T5-SS	1/4T5-316SS	1/4T5-NP	3/4	9/16	1 5/16
7/32	1/4T5½	1/4T5½-SS	1/4T5½-316SS	1/4T5½-NP	3/4	9/16	1 5/16
6mm	1/4T5¾	1/4T5¾-SS	1/4T5¾-316SS	1/4T5¾-NP	7/8	9/16	1 9/16
1/4	1/4T6	1/4T6-SS	1/4T6-316SS	1/4T6-NP	7/8	9/16	1 9/16
5/16 / 8mm	1/4T7	1/4T7-SS	1/4T7-316SS	1/4T7-NP	15/16	9/16	1 13/16
3/8	1/4T8	1/4T8-SS	1/4T8-316SS	1/4T8-NP	1 17/64	5/8	1 11/16
1/2	1/4T10	1/4T10-SS	1/4T10-316SS	1/4T10-NP	1 17/64	5/8	2 1/16

342 1/4 NPT Male Thread to Tube Reducing Tees

Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
.040 / 1mm	1/32	1/4RT.040-.031	1/4RT.040-.031-SS	1/4RT.040-.031-316SS	1/4RT.040-.031-NP	3/4	9/16	7/16	7/16
3/64	1/32	1/4RT.045-.031	1/4RT.045-.031-SS	1/4RT.045-.031-316SS	1/4RT.045-.031-NP	3/4	9/16	7/16	7/16
3/64	.040 / 1mm	1/4RT.045-.040	1/4RT.045-.040-SS	1/4RT.045-.040-316SS	1/4RT.045-.040-NP	3/4	9/16	7/16	7/16
.050	1/32	1/4RT.050-.031	1/4RT.050-.031-SS	1/4RT.050-.031-316SS	1/4RT.050-.031-NP	3/4	9/16	7/16	7/16
.050	.040 / 1mm	1/4RT.050-.040	1/4RT.050-.040-SS	1/4RT.050-.040-316SS	1/4RT.050-.040-NP	3/4	9/16	7/16	7/16
.050	1/64	1/4RT.050-.045	1/4RT.050-.045-SS	1/4RT.050-.045-316SS	1/4RT.050-.045-NP	3/4	9/16	7/16	7/16
1/16	1/32	1/4RT1-.031	1/4RT1-.031-SS	1/4RT1-.031-316SS	1/4RT1-.031-NP	3/4	9/16	1/2	7/16
1/16	.040 / 1mm	1/4RT1-.040	1/4RT1-.040-SS	1/4RT1-.040-316SS	1/4RT1-.040-NP	3/4	9/16	1/2	7/16
1/16	3/64	1/4RT1-.045	1/4RT1-.045-SS	1/4RT1-.045-316SS	1/4RT1-.045-NP	3/4	9/16	1/2	7/16
1/16	.050	1/4RT1-.050	1/4RT1-.050-SS	1/4RT1-.050-316SS	1/4RT1-.050-NP	3/4	9/16	1/2	7/16
5/64 / 2mm	1/32	1/4RT2-.031	1/4RT2-.031-SS	1/4RT2-.031-316SS	1/4RT2-.031-NP	3/4	9/16	1/2	7/16
5/64 / 2mm	.040 / 1mm	1/4RT2-.040	1/4RT2-.040-SS	1/4RT2-.040-316SS	1/4RT2-.040-NP	3/4	9/16	1/2	7/16
5/64 / 2mm	3/64	1/4RT2-.045	1/4RT2-.045-SS	1/4RT2-.045-316SS	1/4RT2-.045-NP	3/4	9/16	1/2	7/16
5/64 / 2mm	.050	1/4RT2-.050	1/4RT2-.050-SS	1/4RT2-.050-316SS	1/4RT2-.050-NP	3/4	9/16	1/2	7/16
5/64 / 2mm	1/16	1/4RT2-1	1/4RT2-1-SS	1/4RT2-1-316SS	1/4RT2-1-NP	3/4	9/16	1/2	1/2
3/32	1/32	1/4RT2 1/2-.031	1/4RT2 1/2-.031-SS	1/4RT2 1/2-.031-316SS	1/4RT2 1/2-.031-NP	3/4	9/16	1/2	7/16
3/32	.040 / 1mm	1/4RT2 1/2-.040	1/4RT2 1/2-.040-SS	1/4RT2 1/2-.040-316SS	1/4RT2 1/2-.040-NP	3/4	9/16	1/2	7/16
3/32	3/64	1/4RT2 1/2-.045	1/4RT2 1/2-.045-SS	1/4RT2 1/2-.045-316SS	1/4RT2 1/2-.045-NP	3/4	9/16	1/2	7/16
3/32	.050	1/4RT2 1/2-.050	1/4RT2 1/2-.050-SS	1/4RT2 1/2-.050-316SS	1/4RT2 1/2-.050-NP	3/4	9/16	1/2	7/16
3/32	1/16	1/4RT2 1/2-1	1/4RT2 1/2-1-SS	1/4RT2 1/2-1-316SS	1/4RT2 1/2-1-NP	3/4	9/16	1/2	1/2
3/32	5/64 / 2mm	1/4RT2 1/2-2	1/4RT2 1/2-2-SS	1/4RT2 1/2-2-316SS	1/4RT2 1/2-2-NP	3/4	9/16	1/2	1/2
1/8	1/32	1/4RT3-.031	1/4RT3-.031-SS	1/4RT3-.031-316SS	1/4RT3-.031-NP	3/4	9/16	19/32	7/16
1/8	.040 / 1mm	1/4RT3-.040	1/4RT3-.040-SS	1/4RT3-.040-316SS	1/4RT3-.040-NP	3/4	9/16	19/32	7/16
1/8	3/64	1/4RT3-.045	1/4RT3-.045-SS	1/4RT3-.045-316SS	1/4RT3-.045-NP	3/4	9/16	19/32	7/16
1/8	.050	1/4RT3-.050	1/4RT3-.050-SS	1/4RT3-.050-316SS	1/4RT3-.050-NP	3/4	9/16	19/32	7/16
1/8	1/16	1/4RT3-1	1/4RT3-1-SS	1/4RT3-1-316SS	1/4RT3-1-NP	3/4	9/16	19/32	1/2
1/8	5/64 / 2mm	1/4RT3-2	1/4RT3-2-SS	1/4RT3-2-316SS	1/4RT3-2-NP	3/4	9/16	19/32	1/2
1/8	3/32	1/4RT3-2 1/2	1/4RT3-2 1/2-SS	1/4RT3-2 1/2-316SS	1/4RT3-2 1/2-NP	3/4	9/16	19/32	1/2
5/32	1/32	1/4RT3 1/2-.031	1/4RT3 1/2-.031-SS	1/4RT3 1/2-.031-316SS	1/4RT3 1/2-.031-NP	3/4	9/16	19/32	7/16
5/32	.040 / 1mm	1/4RT3 1/2-.040	1/4RT3 1/2-.040-SS	1/4RT3 1/2-.040-316SS	1/4RT3 1/2-.040-NP	3/4	9/16	19/32	7/16
5/32	3/64	1/4RT3 1/2-.045	1/4RT3 1/2-.045-SS	1/4RT3 1/2-.045-316SS	1/4RT3 1/2-.045-NP	3/4	9/16	19/32	7/16
5/32	.050	1/4RT3 1/2-.050	1/4RT3 1/2-.050-SS	1/4RT3 1/2-.050-316SS	1/4RT3 1/2-.050-NP	3/4	9/16	19/32	7/16
5/32	1/16	1/4RT3 1/2-1	1/4RT3 1/2-1-SS	1/4RT3 1/2-1-316SS	1/4RT3 1/2-1-NP	3/4	9/16	19/32	1/2
5/32	5/64 / 2mm	1/4RT3 1/2-2	1/4RT3 1/2-2-SS	1/4RT3 1/2-2-316SS	1/4RT3 1/2-2-NP	3/4	9/16	19/32	1/2
5/32	3/32	1/4RT3 1/2-2 1/2	1/4RT3 1/2-2 1/2-SS	1/4RT3 1/2-2 1/2-316SS	1/4RT3 1/2-2 1/2-NP	3/4	9/16	19/32	1/2
5/32	1/8	1/4RT3 1/2-3	1/4RT3 1/2-3-SS	1/4RT3 1/2-3-316SS	1/4RT3 1/2-3-NP	3/4	9/16	19/32	19/32

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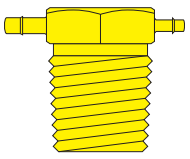
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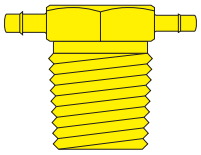
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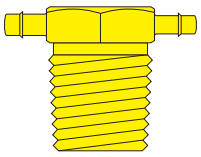
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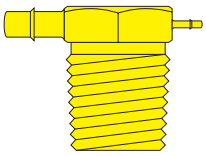
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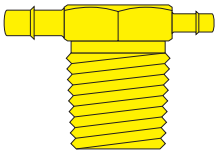
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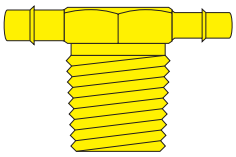
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Note: *Images are for visual representation only. Dimensions may vary at time of manufacturing.*

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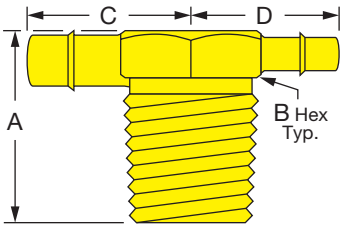
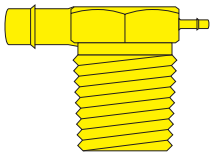
N

1/4 NPT Male Thread to Tube Reducing Tees (continued) 343

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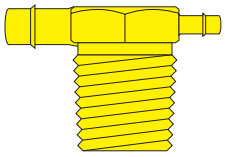
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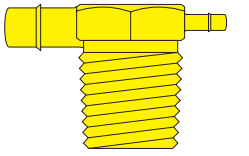
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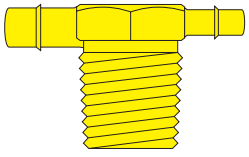
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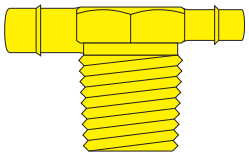
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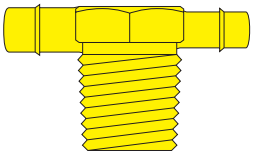
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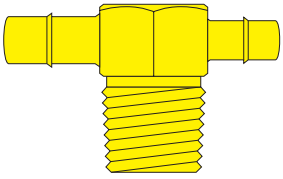
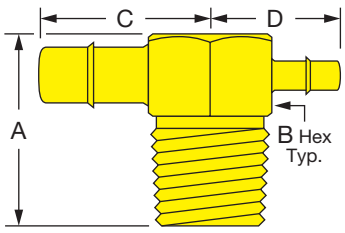

1/4RT5$^{3}/_{4}$-5

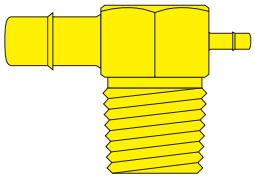
Continued on next page.

Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
.170	1/32	1/4RT4-.031	1/4RT4-.031-SS	1/4RT4-.031-316SS	1/4RT4-.031-NP	3/4	9/16	5/8	7/16
.170	.040 / 1mm	1/4RT4-.040	1/4RT4-.040-SS	1/4RT4-.040-316SS	1/4RT4-.040-NP	3/4	9/16	5/8	7/16
.170	3/64	1/4RT4-.045	1/4RT4-.045-SS	1/4RT4-.045-316SS	1/4RT4-.045-NP	3/4	9/16	5/8	7/16
.170	.050	1/4RT4-.050	1/4RT4-.050-SS	1/4RT4-.050-316SS	1/4RT4-.050-NP	3/4	9/16	5/8	7/16
.170	1/16	1/4RT4-1	1/4RT4-1-SS	1/4RT4-1-316SS	1/4RT4-1-NP	3/4	9/16	5/8	1/2
.170	5/64 / 2mm	1/4RT4-2	1/4RT4-2-SS	1/4RT4-2-316SS	1/4RT4-2-NP	3/4	9/16	5/8	1/2
.170	3/32	1/4RT4-2$^{1}/_{2}$	1/4RT4-2$^{1}/_{2}$-SS	1/4RT4-2$^{1}/_{2}$-316SS	1/4RT4-2$^{1}/_{2}$-NP	3/4	9/16	5/8	1/2
.170	1/8	1/4RT4-3	1/4RT4-3-SS	1/4RT4-3-316SS	1/4RT4-3-NP	3/4	9/16	5/8	19/32
.170	5/32 / 4mm	1/4RT4-3$^{1}/_{2}$	1/4RT4-3$^{1}/_{2}$-SS	1/4RT4-3$^{1}/_{2}$-316SS	1/4RT4-3$^{1}/_{2}$-NP	3/4	9/16	5/8	19/32
3/16	1/32	1/4RT5-.031	1/4RT5-.031-SS	1/4RT5-.031-316SS	1/4RT5-.031-NP	3/4	9/16	21/32	7/16
3/16	.040 / 1mm	1/4RT5-.040	1/4RT5-.040-SS	1/4RT5-.040-316SS	1/4RT5-.040-NP	3/4	9/16	21/32	7/16
3/16	3/64	1/4RT5-.045	1/4RT5-.045-SS	1/4RT5-.045-316SS	1/4RT5-.045-NP	3/4	9/16	21/32	7/16
3/16	.050	1/4RT5-.050	1/4RT5-.050-SS	1/4RT5-.050-316SS	1/4RT5-.050-NP	3/4	9/16	21/32	7/16
3/16	1/16	1/4RT5-1	1/4RT5-1-SS	1/4RT5-1-316SS	1/4RT5-1-NP	3/4	9/16	21/32	1/2
3/16	5/64 / 2mm	1/4RT5-2	1/4RT5-2-SS	1/4RT5-2-316SS	1/4RT5-2-NP	3/4	9/16	21/32	1/2
3/16	3/32	1/4RT5-2$^{1}/_{2}$	1/4RT5-2$^{1}/_{2}$-SS	1/4RT5-2$^{1}/_{2}$-316SS	1/4RT5-2$^{1}/_{2}$-NP	3/4	9/16	21/32	1/2
3/16	1/8	1/4RT5-3	1/4RT5-3-SS	1/4RT5-3-316SS	1/4RT5-3-NP	3/4	9/16	21/32	19/32
3/16	5/32 / 4mm	1/4RT5-3$^{1}/_{2}$	1/4RT5-3$^{1}/_{2}$-SS	1/4RT5-3$^{1}/_{2}$-316SS	1/4RT5-3$^{1}/_{2}$-NP	3/4	9/16	21/32	19/32
3/16	.170	1/4RT5-4	1/4RT5-4-SS	1/4RT5-4-316SS	1/4RT5-4-NP	3/4	9/16	21/32	5/8
7/32	1/16	1/4RT5$^{1}/_{2}$-1	1/4RT5$^{1}/_{2}$-1-SS	1/4RT5$^{1}/_{2}$-1-316SS	1/4RT5$^{1}/_{2}$-1-NP	3/4	9/16	21/32	1/2
7/32	5/64 / 2mm	1/4RT5$^{1}/_{2}$-2	1/4RT5$^{1}/_{2}$-2-SS	1/4RT5$^{1}/_{2}$-2-316SS	1/4RT5$^{1}/_{2}$-2-NP	3/4	9/16	21/32	1/2
7/32	3/32	1/4RT5$^{1}/_{2}$-2$^{1}/_{2}$	1/4RT5$^{1}/_{2}$-2$^{1}/_{2}$-SS	1/4RT5$^{1}/_{2}$-2$^{1}/_{2}$-316SS	1/4RT5$^{1}/_{2}$-2$^{1}/_{2}$-NP	3/4	9/16	21/32	1/2
7/32	1/8	1/4RT5$^{1}/_{2}$-3	1/4RT5$^{1}/_{2}$-3-SS	1/4RT5$^{1}/_{2}$-3-316SS	1/4RT5$^{1}/_{2}$-3-NP	3/4	9/16	21/32	19/32
7/32	5/32 / 4mm	1/4RT5$^{1}/_{2}$-3$^{1}/_{2}$	1/4RT5$^{1}/_{2}$-3$^{1}/_{2}$-SS	1/4RT5$^{1}/_{2}$-3$^{1}/_{2}$-316SS	1/4RT5$^{1}/_{2}$-3$^{1}/_{2}$-NP	3/4	9/16	21/32	19/32
7/32	.170	1/4RT5$^{1}/_{2}$-4	1/4RT5$^{1}/_{2}$-4-SS	1/4RT5$^{1}/_{2}$-4-316SS	1/4RT5$^{1}/_{2}$-4-NP	3/4	9/16	21/32	5/8
7/32	3/16	1/4RT5$^{1}/_{2}$-5	1/4RT5$^{1}/_{2}$-5-SS	1/4RT5$^{1}/_{2}$-5-316SS	1/4RT5$^{1}/_{2}$-5-NP	3/4	9/16	21/32	21/32
6mm	1/16	1/4RT5$^{3}/_{4}$-1	1/4RT5$^{3}/_{4}$-1-SS	1/4RT5$^{3}/_{4}$-1-316SS	1/4RT5$^{3}/_{4}$-1-NP	7/8	9/16	25/32	1/2
6mm	5/64 / 2mm	1/4RT5$^{3}/_{4}$-2	1/4RT5$^{3}/_{4}$-2-SS	1/4RT5$^{3}/_{4}$-2-316SS	1/4RT5$^{3}/_{4}$-2-NP	7/8	9/16	25/32	1/2
6mm	3/32	1/4RT5$^{3}/_{4}$-2$^{1}/_{2}$	1/4RT5$^{3}/_{4}$-2$^{1}/_{2}$-SS	1/4RT5$^{3}/_{4}$-2$^{1}/_{2}$-316SS	1/4RT5$^{3}/_{4}$-2$^{1}/_{2}$-NP	7/8	9/16	23/32	1/2
6mm	1/8	1/4RT5$^{3}/_{4}$-3	1/4RT5$^{3}/_{4}$-3-SS	1/4RT5$^{3}/_{4}$-3-316SS	1/4RT5$^{3}/_{4}$-3-NP	7/8	9/16	23/32	19/32
6mm	5/32 / 4mm	1/4RT5$^{3}/_{4}$-3$^{1}/_{2}$	1/4RT5$^{3}/_{4}$-3$^{1}/_{2}$-SS	1/4RT5$^{3}/_{4}$-3$^{1}/_{2}$-316SS	1/4RT5$^{3}/_{4}$-3$^{1}/_{2}$-NP	7/8	9/16	23/32	19/32
6mm	.170	1/4RT5$^{3}/_{4}$-4	1/4RT5$^{3}/_{4}$-4-SS	1/4RT5$^{3}/_{4}$-4-316SS	1/4RT5$^{3}/_{4}$-4-NP	7/8	9/16	23/32	5/8
6mm	3/16	1/4RT5$^{3}/_{4}$-5	1/4RT5$^{3}/_{4}$-5-SS	1/4RT5$^{3}/_{4}$-5-316SS	1/4RT5$^{3}/_{4}$-5-NP	7/8	9/16	23/32	21/32
6mm	7/32	1/4RT5$^{3}/_{4}$-5$^{1}/_{2}$	1/4RT5$^{3}/_{4}$-5$^{1}/_{2}$-SS	1/4RT5$^{3}/_{4}$-5$^{1}/_{2}$-316SS	1/4RT5$^{3}/_{4}$-5$^{1}/_{2}$-NP	7/8	9/16	23/32	21/32

344 1/4 NPT Male Thread to Tube Reducing Tees (continued)

Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/4	1/16	1/4RT6-1	1/4RT6-1-SS	1/4RT6-1-316SS	1/4RT6-1-NP	7/8	9/16	23/32	1/2
1/4	5/64 / 2mm	1/4RT6-2	1/4RT6-2-SS	1/4RT6-2-316SS	1/4RT6-2-NP	7/8	9/16	23/32	1/2
1/4	3/32	1/4RT6-2 1/2	1/4RT6-2 1/2-SS	1/4RT6-2 1/2-316SS	1/4RT6-2 1/2-NP	7/8	9/16	23/32	1/2
1/4	1/8	1/4RT6-3	1/4RT6-3-SS	1/4RT6-3-316SS	1/4RT6-3-NP	7/8	9/16	23/32	19/32
1/4	5/32 / 4mm	1/4RT6-3 1/2	1/4RT6-3 1/2-SS	1/4RT6-3 1/2-316SS	1/4RT6-3 1/2-NP	7/8	9/16	23/32	19/32
1/4	.170	1/4RT6-4	1/4RT6-4-SS	1/4RT6-4-316SS	1/4RT6-4-NP	7/8	9/16	23/32	5/8
1/4	3/16	1/4RT6-5	1/4RT6-5-SS	1/4RT6-5-316SS	1/4RT6-5-NP	7/8	9/16	23/32	21/32
1/4	7/32	1/4RT6-5 1/2	1/4RT6-5 1/2-SS	1/4RT6-5 1/2-316SS	1/4RT6-5 1/2-NP	7/8	9/16	23/32	21/32
1/4	6mm	1/4RT6-5 3/4	1/4RT6-5 3/4-SS	1/4RT6-5 3/4-316SS	1/4RT6-5 3/4-NP	7/8	9/16	23/32	23/32
5/16 / 8mm	1/16	1/4RT7-1	1/4RT7-1-SS	1/4RT7-1-316SS	1/4RT7-1-NP	15/16	9/16	29/32	13/32
5/16 / 8mm	5/64 / 2mm	1/4RT7-2	1/4RT7-2-SS	1/4RT7-2-316SS	1/4RT7-2-NP	15/16	9/16	29/32	13/32
5/16 / 8mm	3/32	1/4RT7-2 1/2	1/4RT7-2 1/2-SS	1/4RT7-2 1/2-316SS	1/4RT7-2 1/2-NP	15/16	9/16	29/32	13/32
5/16 / 8mm	1/8	1/4RT7-3	1/4RT7-3-SS	1/4RT7-3-316SS	1/4RT7-3-NP	15/16	9/16	29/32	1/2
5/16 / 8mm	5/32 / 4mm	1/4RT7-3 1/2	1/4RT7-3 1/2-SS	1/4RT7-3 1/2-316SS	1/4RT7-3 1/2-NP	15/16	9/16	29/32	1/2
5/16 / 8mm	.170	1/4RT7-4	1/4RT7-4-SS	1/4RT7-4-316SS	1/4RT7-4-NP	15/16	9/16	29/32	17/32
5/16 / 8mm	3/16	1/4RT7-5	1/4RT7-5-SS	1/4RT7-5-316SS	1/4RT7-5-NP	15/16	9/16	29/32	19/32
5/16 / 8mm	7/32	1/4RT7-5 1/2	1/4RT7-5 1/2-SS	1/4RT7-5 1/2-316SS	1/4RT7-5 1/2-NP	15/16	9/16	29/32	19/32
5/16 / 8mm	6mm	1/4RT7-5 3/4	1/4RT7-5 3/4-SS	1/4RT7-5 3/4-316SS	1/4RT7-5 3/4-NP	15/16	9/16	29/32	11/16
5/16 / 8mm	1/4	1/4RT7-6	1/4RT7-6-SS	1/4RT7-6-316SS	1/4RT7-6-NP	15/16	9/16	29/32	11/16
3/8	1/16	1/4RT8-1	1/4RT8-1-SS	1/4RT8-1-316SS	1/4RT8-1-NP	1 17/64	5/8	27/32	13/32
3/8	5/64 / 2mm	1/4RT8-2	1/4RT8-2-SS	1/4RT8-2-316SS	1/4RT8-2-NP	1 17/64	5/8	27/32	13/32
3/8	3/32	1/4RT8-2 1/2	1/4RT8-2 1/2-SS	1/4RT8-2 1/2-316SS	1/4RT8-2 1/2-NP	1 17/64	5/8	27/32	13/32
3/8	1/8	1/4RT8-3	1/4RT8-3-SS	1/4RT8-3-316SS	1/4RT8-3-NP	1 17/64	5/8	27/32	1/2
3/8	5/32 / 4mm	1/4RT8-3 1/2	1/4RT8-3 1/2-SS	1/4RT8-3 1/2-316SS	1/4RT8-3 1/2-NP	1 17/64	5/8	27/32	1/2
3/8	.170	1/4RT8-4	1/4RT8-4-SS	1/4RT8-4-316SS	1/4RT8-4-NP	1 17/64	5/8	27/32	17/32
3/8	3/16	1/4RT8-5	1/4RT8-5-SS	1/4RT8-5-316SS	1/4RT8-5-NP	1 17/64	5/8	27/32	19/32
3/8	7/32	1/4RT8-5 1/2	1/4RT8-5 1/2-SS	1/4RT8-5 1/2-316SS	1/4RT8-5 1/2-NP	1 17/64	5/8	27/32	19/32
3/8	6mm	1/4RT8-5 3/4	1/4RT8-5 3/4-SS	1/4RT8-5 3/4-316SS	1/4RT8-5 3/4-NP	1 17/64	5/8	27/32	11/16
3/8	1/4	1/4RT8-6	1/4RT8-6-SS	1/4RT8-6-316SS	1/4RT8-6-NP	1 17/64	5/8	27/32	11/16
3/8	5/16 / 8mm	1/4RT8-7	1/4RT8-7-SS	1/4RT8-7-316SS	1/4RT8-7-NP	1 17/64	5/8	27/32	29/32
1/2	1/16	1/4RT10-1	1/4RT10-1-SS	1/4RT10-1-316SS	1/4RT10-1-NP	1 17/64	5/8	1 1/32	13/32
1/2	5/64 / 2mm	1/4RT10-2	1/4RT10-2-SS	1/4RT10-2-316SS	1/4RT10-2-NP	1 17/64	5/8	1 1/32	13/32
1/2	3/32	1/4RT10-2 1/2	1/4RT10-2 1/2-SS	1/4RT10-2 1/2-316SS	1/4RT10-2 1/2-NP	1 17/64	5/8	1 1/32	13/32
1/2	1/8	1/4RT10-3	1/4RT10-3-SS	1/4RT10-3-316SS	1/4RT10-3-NP	1 17/64	5/8	1 1/32	1/2

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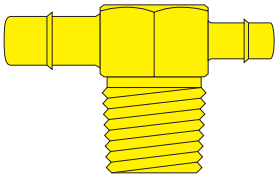
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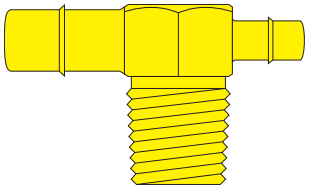
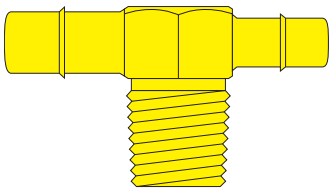

1/4RT7-5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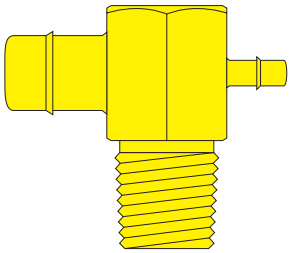
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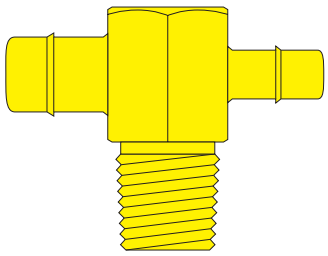
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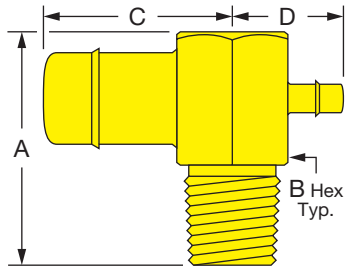
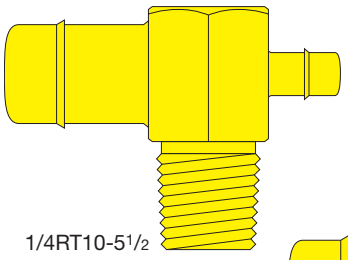
N

1/4 NPT Male Thread to Tube Reducing Tees (continued) 345

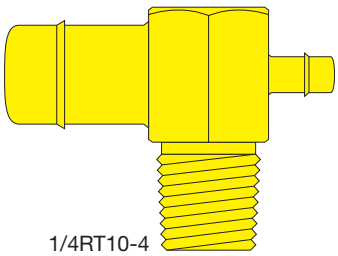


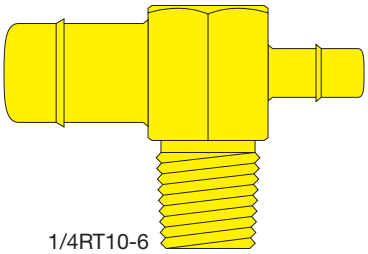


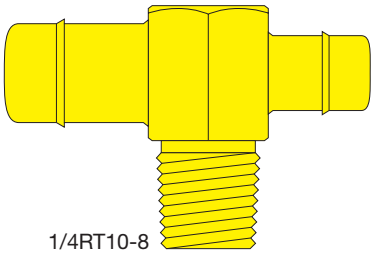
Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/2	5/32 / 4mm	1/4RT10-3 1/2	1/4RT10-3 1/2-SS	1/4RT10-3 1/2-316SS	1/4RT10-3 1/2-NP	1 17/64	5/8	1 1/32	1/2
1/2	.170	1/4RT10-4	1/4RT10-4-SS	1/4RT10-4-316SS	1/4RT10-4-NP	1 17/64	5/8	1 1/32	17/32
1/2	3/16	1/4RT10-5	1/4RT10-5-SS	1/4RT10-5-316SS	1/4RT10-5-NP	1 17/64	5/8	1 1/32	19/32
1/2	7/32	1/4RT10-5 1/2	1/4RT10-5 1/2-SS	1/4RT10-5 1/2-316SS	1/4RT10-5 1/2-NP	1 17/64	5/8	1 1/32	19/32
1/2	6mm	1/4RT10-5 3/4	1/4RT10-5 3/4-SS	1/4RT10-5 3/4-316SS	1/4RT10-5 3/4-NP	1 17/64	5/8	1 1/32	11/16
1/2	1/4	1/4RT10-6	1/4RT10-6-SS	1/4RT10-6-316SS	1/4RT10-6-NP	1 17/64	5/8	1 1/32	11/16
1/2	5/16 / 8mm	1/4RT10-7	1/4RT10-7-SS	1/4RT10-7-316SS	1/4RT10-7-NP	1 17/64	5/8	1 1/32	29/32
1/2	3/8	1/4RT10-8	1/4RT10-8-SS	1/4RT10-8-316SS	1/4RT10-8-NP	1 17/64	5/8	1 1/32	27/32

N

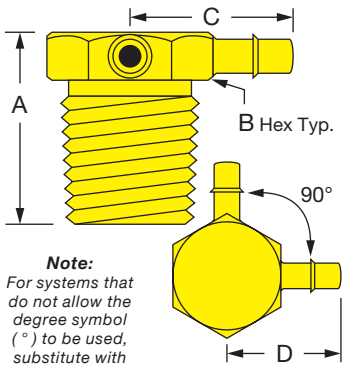
Note:
Images are for visual representation only; not intended for dimensional measurements. Dimensions may vary at time of manufacturing.



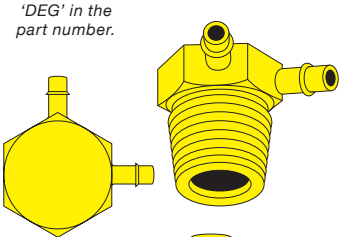


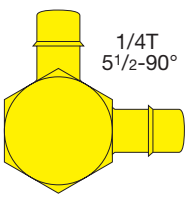


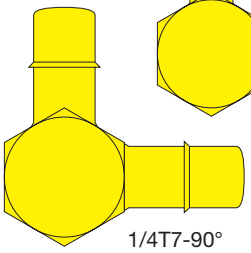
1/4 NPT Male Thread to Tube 90° Tees 346



Note:
For systems that do not allow the degree symbol (°) to be used, substitute with 'DEG' in the part number.







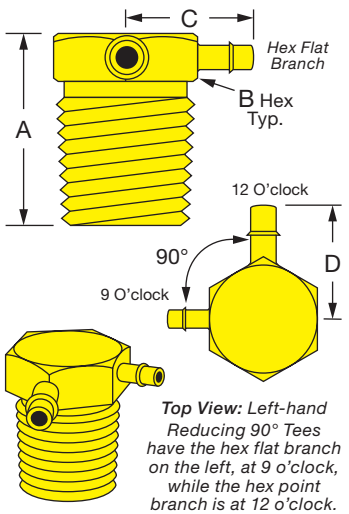
Tube ID	Part Numbers				Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/32	1/4T.031-90°	1/4T.031-90°-SS	1/4T.031-90°-316SS	1/4T.031-90°-NP	3/4	9/16	Consult Factory	7/16
.040 / 1mm	1/4T.040-90°	1/4T.040-90°-SS	1/4T.040-90°-316SS	1/4T.040-90°-NP	3/4	9/16	Consult Factory	7/16
3/64	1/4T.045-90°	1/4T.045-90°-SS	1/4T.045-90°-316SS	1/4T.045-90°-NP	3/4	9/16	Consult Factory	7/16
.050	1/4T.050-90°	1/4T.050-90°-SS	1/4T.050-90°-316SS	1/4T.050-90°-NP	3/4	9/16	Consult Factory	7/16
1/16	1/4T1-90°	1/4T1-90°-SS	1/4T1-90°-316SS	1/4T1-90°-NP	3/4	9/16	Consult Factory	1/2
5/64 / 2mm	1/4T2-90°	1/4T2-90°-SS	1/4T2-90°-316SS	1/4T2-90°-NP	3/4	9/16	Consult Factory	1/2
3/32	1/4T2 1/2-90°	1/4T2 1/2-90°-SS	1/4T2 1/2-90°-316SS	1/4T2 1/2-90°-NP	3/4	9/16	Consult Factory	1/2
1/8	1/4T3-90°	1/4T3-90°-SS	1/4T3-90°-316SS	1/4T3-90°-NP	3/4	9/16	Consult Factory	19/32
5/32 / 4mm	1/4T3 1/2-90°	1/4T3 1/2-90°-SS	1/4T3 1/2-90°-316SS	1/4T3 1/2-90°-NP	3/4	9/16	Consult Factory	19/32
.170	1/4T4-90°	1/4T4-90°-SS	1/4T4-90°-316SS	1/4T4-90°-NP	3/4	9/16	Consult Factory	5/8
3/16	1/4T5-90°	1/4T5-90°-SS	1/4T5-90°-316SS	1/4T5-90°-NP	3/4	9/16	Consult Factory	21/32
7/32	1/4T5 1/2-90°	1/4T5 1/2-90°-SS	1/4T5 1/2-90°-316SS	1/4T5 1/2-90°-NP	3/4	9/16	Consult Factory	21/32
6mm	1/4T5 3/4-90°	1/4T5 3/4-90°-SS	1/4T5 3/4-90°-316SS	1/4T5 3/4-90°-NP	7/8	9/16	Consult Factory	23/32
1/4	1/4T6-90°	1/4T6-90°-SS	1/4T6-90°-316SS	1/4T6-90°-NP	7/8	9/16	Consult Factory	23/32
5/16 / 8mm	1/4T7-90°	1/4T7-90°-SS	1/4T7-90°-316SS	1/4T7-90°-NP	15/16	5/8	Consult Factory	29/32
3/8	1/4T8-90°	1/4T8-90°-SS	1/4T8-90°-316SS	1/4T8-90°-NP	1 17/64	5/8	Consult Factory	27/32
1/2	1/4T10-90°	1/4T10-90°-SS	1/4T10-90°-316SS	1/4T10-90°-NP	1 17/64	5/8	Consult Factory	1 1/32

347 1/4 NPT Male Thread to Tube Reducing 90° Left-Hand Tees

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	3/4	9/16	7/16	Consult Factory
.040 / 1mm	.040	3/4	9/16	7/16	
3/64	.045	3/4	9/16	7/16	
.050	.050	3/4	9/16	7/16	
1/16	1	3/4	9/16	1/2	
5/64 / 2mm	2	3/4	9/16	1/2	
3/32	2 1/2	3/4	9/16	1/2	
1/8	3	3/4	9/16	19/32	
5/32 / 4mm	3 1/2	3/4	9/16	19/32	

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
.170	4	3/4	9/16	5/8	Consult Factory
3/16	5	3/4	9/16	21/32	
7/32	5 1/2	3/4	9/16	21/32	
6mm	5 3/4	7/8	9/16	23/32	
1/4	6	7/8	9/16	23/32	
5/16 / 8mm	7	15/16	9/16	29/32	
3/8	8	1 17/64	5/8	27/32	
1/2	10	1 17/64	5/8	1 1/32	

Note: *For systems that do not allow the degree symbol (°) to be used, substitute it with 'DEG' in the part number.*



Top View: *Left-hand Reducing 90° Tees have the hex flat branch on the left, at 9 o'clock, while the hex point branch is at 12 o'clock.*

Part Numbers for 1/4 NPT Male Thread to Tube Reducing Left-Hand 90° Tees:

Thread Size → 1/4 (Fitting Series) RT # (12 O'clock Branch #) - # (9 O'clock Branch #) 90° (90° Indicator) - LH (Left-Hand Indicator)

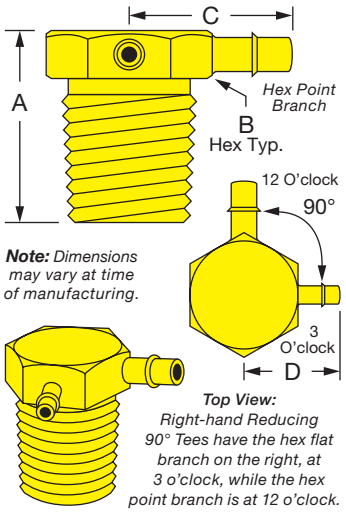
N

348 1/4 NPT Male Thread to Tube Reducing Right-Hand 90° Tees

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	3/4	9/16	Consult Factory	7/16
.040 / 1mm	.040	3/4	9/16		7/16
3/64	.045	3/4	9/16		7/16
.050	.050	3/4	9/16		7/16
1/16	1	3/4	9/16		1/2
5/64 / 2mm	2	3/4	9/16		1/2
3/32	2 1/2	3/4	9/16		1/2
1/8	3	3/4	9/16		19/32
5/32 / 4mm	3 1/2	3/4	9/16		19/32

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
.170	4	3/4	9/16	Consult Factory	5/8
3/16	5	3/4	9/16		21/32
7/32	5 1/2	3/4	9/16		21/32
6mm	5 3/4	7/8	9/16		23/32
1/4	6	7/8	9/16		23/32
5/16 / 8mm	7	15/16	9/16		29/32
3/8	8	1 17/64	5/8		27/32
1/2	10	1 17/64	5/8		1 1/32

Note: *For systems that do not allow the degree symbol (°) to be used, substitute with 'DEG' in the part number.*

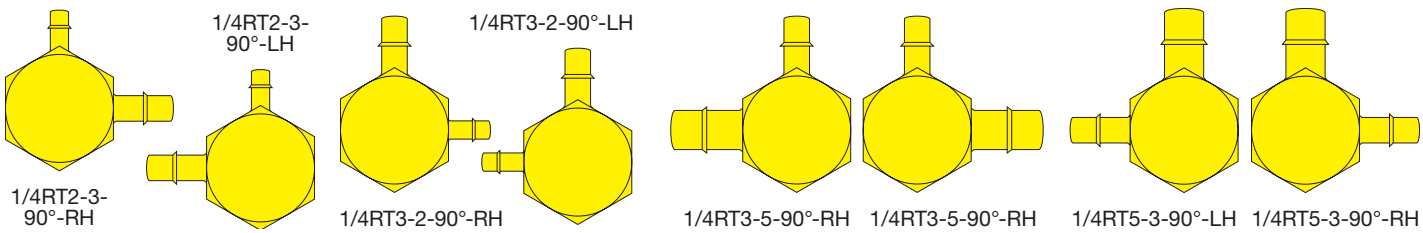


Note: *Dimensions may vary at time of manufacturing.*

Top View: *Right-hand Reducing 90° Tees have the hex flat branch on the right, at 3 o'clock, while the hex point branch is at 12 o'clock.*

Part Numbers for 1/4 NPT Male Thread to Tube Reducing Right-Hand 90° Tees:

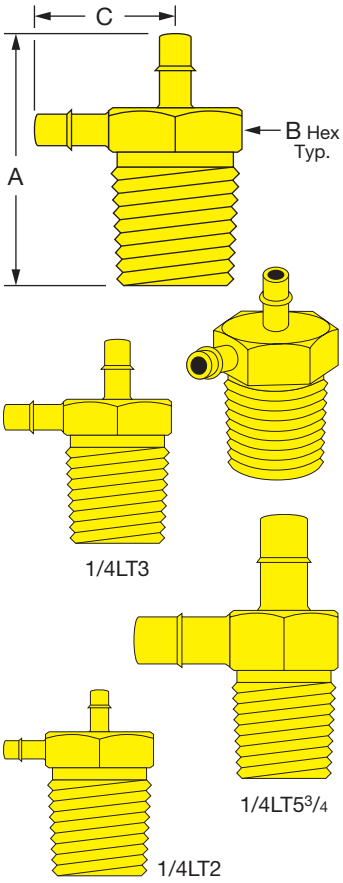
Thread Size → 1/4 (Fitting Series) RT # (12 O'clock Branch #) - # (3 O'clock Branch #) 90° (90° Indicator) - RH (Right-Hand Indicator)



Unless otherwise specified, parts will be Brass. To order other materials, please add the following codes to the end of the part number:

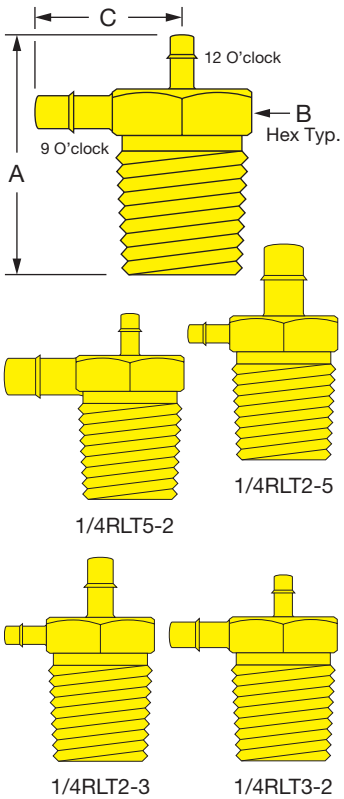
-SS = Stainless Steel 303 **-316SS** = Stainless Steel 316 **-NP** = Electroless Nickel Plate

1/4 NPT Male Thread to Tube L-Tees 349



Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/4LT.031	1/4LT.031-SS	1/4LT.031-316SS	1/4LT.031-NP	29/32	9/16	7/16
.040 / 1mm	1/4LT.040	1/4LT.040-SS	1/4LT.040-316SS	1/4LT.040-NP	29/32	9/16	7/16
3/64	1/4LT.045	1/4LT.045-SS	1/4LT.045-316SS	1/4LT.045-NP	29/32	9/16	7/16
.050	1/4LT.050	1/4LT.050-SS	1/4LT.050-316SS	1/4LT.050-NP	29/32	9/16	7/16
1/16	1/4LT1	1/4LT1-SS	1/4LT1-316SS	1/4LT1-NP	31/32	9/16	1/2
5/64 / 2mm	1/4LT2	1/4LT2-SS	1/4LT2-316SS	1/4LT2-NP	31/32	9/16	1/2
3/32	1/4LT2 1/2	1/4LT2 1/2-SS	1/4LT2 1/2-316SS	1/4LT2 1/2-NP	31/32	9/16	1/2
1/8	1/4LT3	1/4LT3-SS	1/4LT3-316SS	1/4LT3-NP	1 1/16	9/16	19/32
5/32 / 4mm	1/4LT3 1/2	1/4LT3 1/2-SS	1/4LT3 1/2-316SS	1/4LT3 1/2-NP	1 1/16	9/16	19/32
.170	1/4LT4	1/4LT4-SS	1/4LT4-316SS	1/4LT4-NP	1 3/32	9/16	5/8
3/16	1/4LT5	1/4LT5-SS	1/4LT5-316SS	1/4LT5-NP	1 1/8	9/16	21/32
7/32	1/4LT5 1/2	1/4LT5 1/2-SS	1/4LT5 1/2-316SS	1/4LT5 1/2-NP	1 1/8	9/16	21/32
6mm	1/4LT5 3/4	1/4LT5 3/4-SS	1/4LT5 3/4-316SS	1/4LT5 3/4-NP	1 3/8	9/16	23/32
1/4	1/4LT6	1/4LT6-SS	1/4LT6-316SS	1/4LT6-NP	1 3/8	9/16	23/32
5/16 / 8mm	1/4LT7	1/4LT7-SS	1/4LT7-316SS	1/4LT7-NP	1 1/2	9/16	29/32
3/8	1/4LT8	1/4LT8-SS	1/4LT8-316SS	1/4LT8-NP	1 51/64	5/8	27/32
1/2	1/4LT10	1/4LT10-SS	1/4LT10-316SS	1/4LT10-NP	2 1/64	5/8	1 1/32

1/4 NPT Male Thread to Tube Reducing L-Tees 350



Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/32	.031	29/32	9/16	7/16
.040 / 1mm	.040	29/32	9/16	7/16
3/64	.045	29/32	9/16	7/16
.050	.050	29/32	9/16	7/16
1/16	1	31/32	9/16	1/2
5/64 / 2mm	2	31/32	9/16	1/2
3/32	2 1/2	31/32	9/16	1/2
1/8	3	1 1/16	9/16	19/32
5/32 / 4mm	3 1/2	1 1/16	9/16	19/32

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
.170	4	1 3/32	9/16	5/8
3/16	5	1 1/8	9/16	21/32
7/32	5 1/2	1 1/8	9/16	21/32
6mm	5 3/4	1 3/8	9/16	23/32
1/4	6	1 3/8	9/16	23/32
5/16 / 8mm	7	1 1/2	9/16	29/32
3/8	8	1 51/64	9/16	27/32
1/2	10	2 1/64	5/8	1 1/32

Material options are listed below!

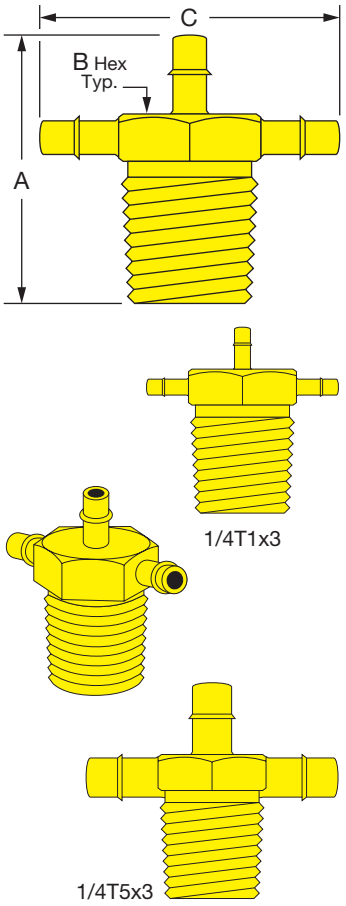
Part Numbers for 1/4 Male Thread to Tube Reducing L-Tees:

Thread Size → 1/4 | RLT (Fitting Series) | # (9 O'clock Branch #) - # (12 O'clock Branch #)

Unless otherwise specified, parts will be Brass. To order other materials, use the following codes:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

351 — 1/4 NPT Male Thread to Tube Tees x 3

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/4T.031x3	1/4T.031x3-SS	1/4T.031x3-316SS	1/4T.031x3-NP	29/32	9/16	7/8
.040 / 1mm	1/4T.040x3	1/4T.040x3-SS	1/4T.040x3-316SS	1/4T.040x3-NP	29/32	9/16	7/8
3/64	1/4T.045x3	1/4T.045x3-SS	1/4T.045x3-316SS	1/4T.045x3-NP	29/32	9/16	7/8
.050	1/4T.050x3	1/4T.050x3-SS	1/4T.050x3-316SS	1/4T.050x3-NP	29/32	9/16	7/8
1/16	1/4T1x3	1/4T1x3-SS	1/4T1x3-316SS	1/4T1x3-NP	31/32	9/16	1
5/64 / 2mm	1/4T2x3	1/4T2x3-SS	1/4T2x3-316SS	1/4T2x3-NP	31/32	9/16	1
3/32	1/4T2 1/2x3	1/4T2 1/2x3-SS	1/4T2 1/2x3-316SS	1/4T2 1/2x3-NP	31/32	9/16	1
1/8	1/4T3x3	1/4T3x3-SS	1/4T3x3-316SS	1/4T3x3-NP	1 1/16	9/16	1 3/16
5/32 / 4mm	1/4T3 1/2x3	1/4T3 1/2x3-SS	1/4T3 1/2x3-316SS	1/4T3 1/2x3-NP	1 1/16	9/16	1 3/16
.170	1/4T4x3	1/4T4x3-SS	1/4T4x3-316SS	1/4T4x3-NP	1 3/32	9/16	1 1/4
3/16	1/4T5x3	1/4T5x3-SS	1/4T5x3-316SS	1/4T5x3-NP	1 1/8	9/16	1 5/16
7/32	1/4T5 1/2x3	1/4T5 1/2x3-SS	1/4T5 1/2x3-316SS	1/4T5 1/2x3-NP	1 1/8	9/16	1 5/16
6mm	1/4T5 3/4x3	1/4T5 3/4x3-SS	1/4T5 3/4x3-316SS	1/4T5 3/4x3-NP	1 3/8	9/16	1 9/16
1/4	1/4T6x3	1/4T6x3-SS	1/4T6x3-316SS	1/4T6x3-NP	1 3/8	9/16	1 9/16
5/16 / 8mm	1/4T7x3	1/4T7x3-SS	1/4T7x3-316SS	1/4T7x3-NP	1 1/2	9/16	1 13/16
3/8	1/4T8x3	1/4T8x3-SS	1/4T8x3-316SS	1/4T8x3-NP	1 51/64	5/8	1 11/16
1/2	1/4T10x3	1/4T10x3-SS	1/4T10x3-316SS	1/4T10x3-NP	2 1/64	5/8	2 1/16



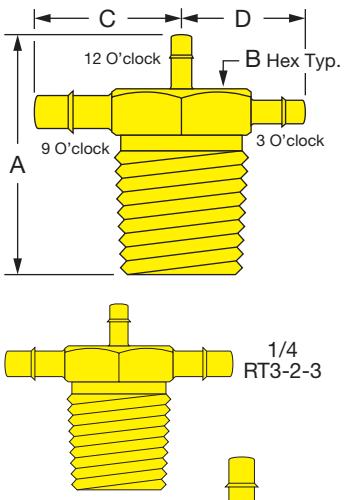
N

352 — 1/4 NPT Male Thread to Tube Reducing Tees x 3

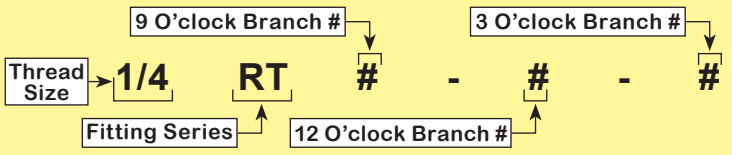
Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	29/32	9/16	7/16	7/16
.040 / 1mm	.040	29/32	9/16	7/16	7/16
3/64	.045	29/32	9/16	7/16	7/16
.050	.050	29/32	9/16	7/16	7/16
1/16	1	31/32	9/16	1/2	1/2
5/64 / 2mm	2	31/32	9/16	1/2	1/2
3/32	2 1/2	31/32	9/16	1/2	1/2
1/8	3	1 1/16	9/16	19/32	19/32
5/32 / 4mm	3 1/2	1 1/16	9/16	19/32	19/32

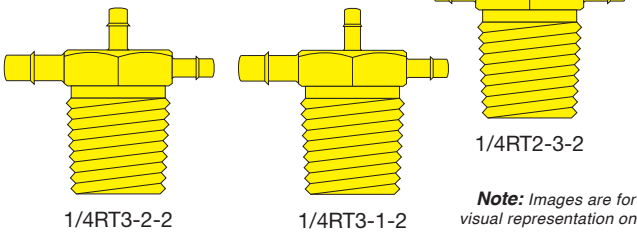
Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
.170	4	1 3/32	9/16	5/8	5/8
3/16	5	1 1/8	9/16	21/32	21/32
7/32	5 1/2	1 1/8	9/16	21/32	21/32
6mm	5 3/4	1 3/8	9/16	23/32	23/32
1/4	6	1 3/8	9/16	23/32	23/32
5/16 / 8mm	7	1 1/2	9/16	29/32	29/32
3/8	8	1 51/64	9/16	27/32	27/32
1/2	10	2 1/64	5/8	1 1/32	1 1/32

Material options listed on previous page!



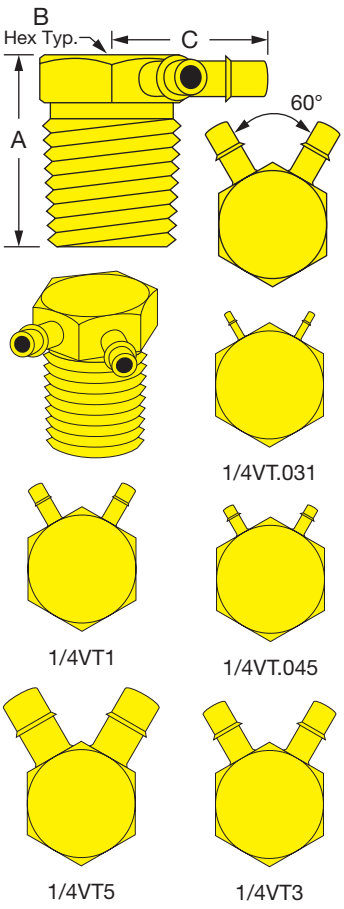
Part Numbers for 1/4 NPT Male Thread Reducing Tees x 3:





Note: *Images are for visual representation only.*

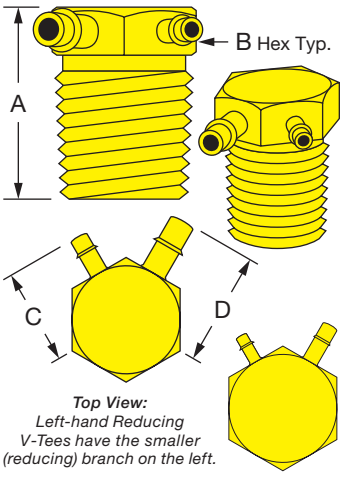
1/4 NPT Male Thread to Tube V-Tees 353



Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/4VT.031	1/4VT.031-SS	1/4VT.031-316SS	1/4VT.031-NP	3/4	9/16	7/16
.040 / 1mm	1/4VT.040	1/4VT.040-SS	1/4VT.040-316SS	1/4VT.040-NP	3/4	9/16	7/16
3/64	1/4VT.045	1/4VT.045-SS	1/4VT.045-316SS	1/4VT.045-NP	3/4	9/16	7/16
.050	1/4VT.050	1/4VT.050-SS	1/4VT.050-316SS	1/4VT.050-NP	3/4	9/16	7/16
1/16	1/4VT1	1/4VT1-SS	1/4VT1-316SS	1/4VT1-NP	3/4	9/16	1/2
5/64 / 2mm	1/4VT2	1/4VT2-SS	1/4VT2-316SS	1/4VT2-NP	3/4	9/16	1/2
3/32	1/4VT2 1/2	1/4VT2 1/2-SS	1/4VT2 1/2-316SS	1/4VT2 1/2-NP	3/4	9/16	1/2
1/8	1/4VT3	1/4VT3-SS	1/4VT3-316SS	1/4VT3-NP	3/4	9/16	19/32
5/32 / 4mm	1/4VT3 1/2	1/4VT3 1/2-SS	1/4VT3 1/2-316SS	1/4VT3 1/2-NP	3/4	9/16	19/32
.170	1/4VT4	1/4VT4-SS	1/4VT4-316SS	1/4VT4-NP	3/4	9/16	5/8
3/16	1/4VT5	1/4VT5-SS	1/4VT5-316SS	1/4VT5-NP	3/4	9/16	21/32
7/32	1/4VT5 1/2	1/4VT5 1/2-SS	1/4VT5 1/2-316SS	1/4VT5 1/2-NP	3/4	9/16	21/32
6mm	1/4VT5 3/4	1/4VT5 3/4-SS	1/4VT5 3/4-316SS	1/4VT5 3/4-NP	7/8	9/16	23/32
1/4	1/4VT6	1/4VT6-SS	1/4VT6-316SS	1/4VT6-NP	7/8	9/16	23/32
5/16 / 8mm	1/4VT7	1/4VT7-SS	1/4VT7-316SS	1/4VT7-NP	15/16	9/16	29/32
3/8	1/4VT8	1/4VT8-SS	1/4VT8-316SS	1/4VT8-NP	1 17/64	5/8	27/32
1/2	1/4VT10	1/4VT10-SS	1/4VT10-316SS	1/4VT10-NP	1 17/64	5/8	1 1/32

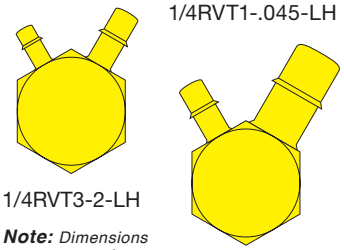
N

1/4 NPT Male Thread to Tube Left-Hand Reducing V-Tees 354



Top View:
Left-hand Reducing V-Tees have the smaller (reducing) branch on the left.

1/4RVT1-.045-LH



1/4RVT3-2-LH

1/4RVT6-3-LH

Note: *Dimensions may vary at time of manufacturing.*

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	3/4	9/16	7/16	7/16
.040 / 1mm	.040	3/4	9/16	7/16	7/16
3/64	.045	3/4	9/16	7/16	7/16
.050	.050	3/4	9/16	7/16	7/16
1/16	1	3/4	9/16	1/2	1/2
5/64 / 2mm	2	3/4	9/16	1/2	1/2
3/32	2 1/2	3/4	9/16	1/2	1/2
1/8	3	3/4	9/16	19/32	19/32
5/32 / 4mm	3 1/2	3/4	9/16	19/32	19/32

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
.170	4	3/4	9/16	5/8	5/8
3/16	5	3/4	9/16	21/32	21/32
7/32	5 1/2	3/4	9/16	21/32	21/32
6mm	5 3/4	7/8	9/16	23/32	23/32
1/4	6	7/8	9/16	23/32	23/32
5/16 / 8mm	7	15/16	9/16	29/32	29/32
3/8	8	1 17/64	5/8	27/32	27/32
1/2	10	1 17/64	5/8	1 1/32	1 1/32

Material options are listed below!

Part Numbers for 1/4 NPT Male Thread to Tube Left-Hand Reducing V-Tees:

Thread Size → 1/4 (Fitting Series) RVT # (Larger Branch #) - # (Smaller Branch #) - LH ← Left-Hand Indicator

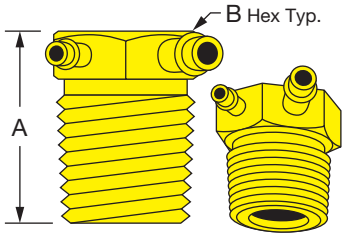
Unless otherwise specified, parts will be Brass. To order other materials, use the following codes:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

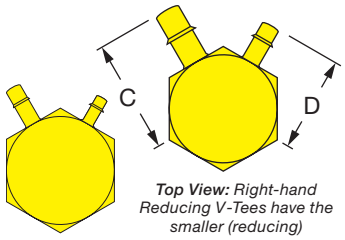
355 1/4 NPT Male Thread to Tube Right-Hand Reducing V-Tees

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	3/4	9/16	7/16	7/16
.040 / 1mm	.040	3/4	9/16	7/16	7/16
3/64	.045	3/4	9/16	7/16	7/16
.050	.050	3/4	9/16	7/16	7/16
1/16	1	3/4	9/16	1/2	1/2
5/64 / 2mm	2	3/4	9/16	1/2	1/2
3/32	2 1/2	3/4	9/16	1/2	1/2
1/8	3	3/4	9/16	19/32	19/32
5/32 / 4mm	3 1/2	3/4	9/16	19/32	19/32

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
.170	4	3/4	9/16	5/8	5/8
3/16	5	3/4	9/16	21/32	21/32
7/32	5 1/2	3/4	9/16	21/32	21/32
6mm	5 3/4	7/8	9/16	23/32	23/32
1/4	6	7/8	9/16	23/32	23/32
5/16 / 8mm	7	15/16	9/16	29/32	29/32
3/8	8	1 17/64	5/8	27/32	27/32
1/2	10	1 17/64	5/8	1 1/32	1 1/32

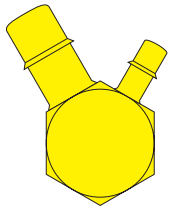
Material options are listed below!



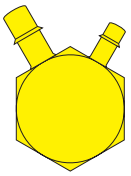


Top View: Right-hand Reducing V-Tees have the smaller (reducing) branch on the right.

1/4RVT 1-.045-RH



1/4RVT6-3-RH



1/4RVT3-2-RH

***Note:** Dimensions may vary at time of manufacturing.*

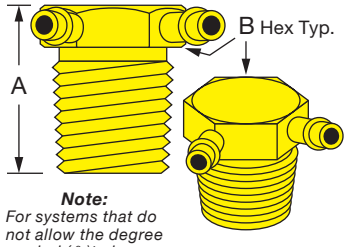
Part Numbers for 1/4 NPT Male Thread to Tube Right-Hand Reducing V-Tees:

Thread Size → **1/4** — Fitting Series → **RVT** — **#** Larger Branch # **-** **#** Smaller Branch # **-** **RH** ← Right-Hand Indicator

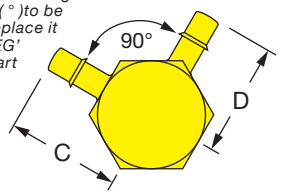
Unless otherwise specified, parts will be Brass. To order other materials, use the following codes:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

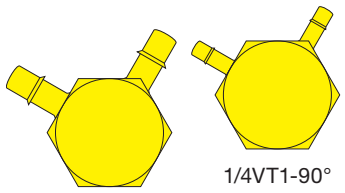
356 1/4 NPT Male Thread to Tube 90° V-Tees

Tube ID	Part Numbers				Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/32	1/4VT.031-90°	1/4VT.031-90°-SS	1/4VT.031-90°-316SS	1/4VT.031-90°-NP	3/4	9/16	7/16	Consult Factory
.040 / 1mm	1/4VT.040-90°	1/4VT.040-90°-SS	1/4VT.040-90°-316SS	1/4VT.040-90°-NP	3/4	9/16	7/16	
3/64	1/4VT.045-90°	1/4VT.045-90°-SS	1/4VT.045-90°-316SS	1/4VT.045-90°-NP	3/4	9/16	7/16	
.050	1/4VT.050-90°	1/4VT.050-90°-SS	1/4VT.050-90°-316SS	1/4VT.050-90°-NP	3/4	9/16	7/16	
1/16	1/4VT1-90°	1/4VT1-90°-SS	1/4VT1-90°-316SS	1/4VT1-90°-NP	3/4	9/16	1/2	
5/64 / 2mm	1/4VT2-90°	1/4VT2-90°-SS	1/4VT2-90°-316SS	1/4VT2-90°-NP	3/4	9/16	1/2	
3/32	1/4VT2 1/2-90°	1/4VT2 1/2-90°-SS	1/4VT2 1/2-90°-316SS	1/4VT2 1/2-90°-NP	3/4	9/16	1/2	
1/8	1/4VT3-90°	1/4VT3-90°-SS	1/4VT3-90°-316SS	1/4VT3-90°-NP	3/4	9/16	19/32	
5/32 / 4mm	1/4VT3 1/2-90°	1/4VT3 1/2-90°-SS	1/4VT3 1/2-90°-316SS	1/4VT3 1/2-90°-NP	3/4	9/16	19/32	
.170	1/4VT4-90°	1/4VT4-90°-SS	1/4VT4-90°-316SS	1/4VT4-90°-NP	3/4	9/16	5/8	
3/16	1/4VT5-90°	1/4VT5-90°-SS	1/4VT5-90°-316SS	1/4VT5-90°-NP	3/4	9/16	21/32	
7/32	1/4VT5 1/2-90°	1/4VT5 1/2-90°-SS	1/4VT5 1/2-90°-316SS	1/4VT5 1/2-90°-NP	3/4	9/16	21/32	
6mm	1/4VT5 3/4-90°	1/4VT5 3/4-90°-SS	1/4VT5 3/4-90°-316SS	1/4VT5 3/4-90°-NP	7/8	9/16	23/32	
1/4	1/4VT6-90°	1/4VT6-90°-SS	1/4VT6-90°-316SS	1/4VT6-90°-NP	7/8	9/16	23/32	
5/16 / 8mm	1/4VT7-90°	1/4VT7-90°-SS	1/4VT7-90°-316SS	1/4VT7-90°-NP	15/16	5/8	29/32	
3/8	1/4VT8-90°	1/4VT8-90°-SS	1/4VT8-90°-316SS	1/4VT8-90°-NP	1 17/64	5/8	27/32	
1/2	1/4VT10-90°	1/4VT10-90°-SS	1/4VT10-90°-316SS	1/4VT10-90°-NP	1 17/64	5/8	1 1/32	



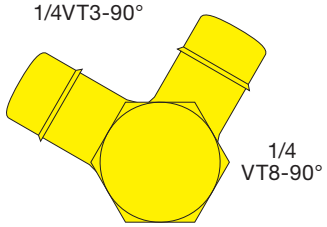
***Note:** For systems that do not allow the degree symbol (°)to be used, replace it with 'DEG' in the part number.*





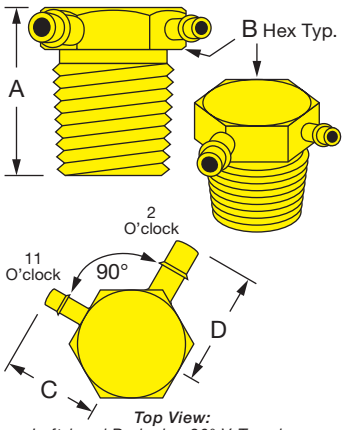
1/4VT3-90°

1/4VT1-90°



1/4 VT8-90°

1/4 NPT Male Thread to Tube Reducing Left-Hand 90° V-Tees 357



Top View:
Left-hand Reducing 90° V-Tees have the hex point branch at 2 o'clock,while the hex flat branch is on the left, at 11 o'clock.

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	3/4	9/16	7/16	Consult Factory
.040 / 1mm	.040	3/4	9/16	7/16	
3/64	.045	3/4	9/16	7/16	
.050	.050	3/4	9/16	7/16	
1/16	1	3/4	9/16	1/2	
5/64 / 2mm	2	3/4	9/16	1/2	
3/32	2 1/2	3/4	9/16	1/2	
1/8	3	3/4	9/16	19/32	
5/32 / 4mm	3 1/2	3/4	9/16	19/32	

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
.170	4	3/4	9/16	5/8	Consult Factory
3/16	5	3/4	9/16	21/32	
7/32	5 1/2	3/4	9/16	21/32	
6mm	5 3/4	7/8	9/16	23/32	
1/4	6	7/8	9/16	23/32	
5/16 / 8mm	7	15/16	9/16	29/32	
3/8	8	1 17/64	5/8	27/32	
1/2	10	1 17/64	5/8	1 1/32	

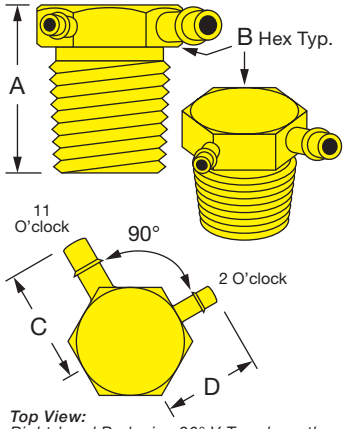
Note: *For systems that do not allow the degree symbol (°) to be used, substitute it with 'DEG' in the part number.*

N

Part Numbers for 1/4 NPT Male Thread to Tube Reducing Left-Hand 90° V-Tees:

Thread Size → **1/4** (Fitting Series) **RVT** **#** (2 O'clock Branch) **-** **#** (11 O'clock Branch) **-** **90°** (90° Indicator) **-** **LH** ← Left-Hand Indicator

1/4 NPT Male Thread to Tube Reducing Right-Hand 90° V-Tees 358



Top View:
Right-hand Reducing 90° V-Tees have the hex point branch at 11 o'clock, while the hex flat branch is on the right, at 2 o'clock.

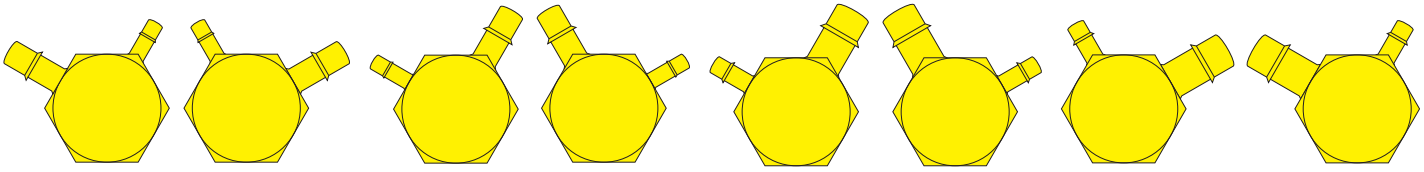
Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	3/4	9/16	Consult Factory	7/16
.040 / 1mm	.040	3/4	9/16		7/16
3/64	.045	3/4	9/16		7/16
.050	.050	3/4	9/16		7/16
1/16	1	3/4	9/16		1/2
5/64 / 2mm	2	3/4	9/16		1/2
3/32	2 1/2	3/4	9/16		1/2
1/8	3	3/4	9/16		19/32
5/32 / 4mm	3 1/2	3/4	9/16		19/32

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
.170	4	3/4	9/16	Consult Factory	5/8
3/16	5	3/4	9/16		21/32
7/32	5 1/2	3/4	9/16		21/32
6mm	5 3/4	7/8	9/16		23/32
1/4	6	7/8	9/16		23/32
5/16 / 8mm	7	15/16	9/16		29/32
3/8	8	1 17/64	5/8		27/32
1/2	10	1 17/64	5/8		1 1/32

Note: *For systems that do not allow the degree symbol (°) to be used, substitute it with 'DEG' in the part number.*

Part Numbers for 1/4 NPT Male Thread to Tube Reducing Right-Hand 90° V-Tees:

Thread Size → **1/4** (Fitting Series) **RVT** **#** (11 O'clock Branch) **-** **#** (2 O'clock Branch) **-** **90°** (90° Indicator) **-** **RH** ← Right-Hand Indicator

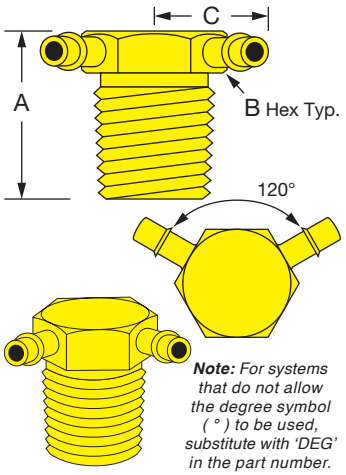


1/4RVT 1-3-90°-LH | 1/4RVT 1-3-90°-RH | 1/4RVT 3-1-90°-LH | 1/4RVT 3-1-90°-RH | 1/4RVT 4-2-90°-LH | 1/4RVT 4-2-90°-RH | 1/4RVT 2-4-90°-RH | 1/4RVT 2-4-90°-LH

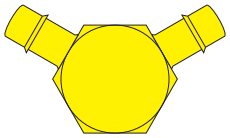
Unless otherwise specified, parts will be Brass. To order other materials, please add the following codes to the end of the part number:
-SS = Stainless Steel 303 **-316SS = Stainless Steel 316** **-NP = Electroless Nickel Plate**

359 — 1/4 NPT Male Thread to Tube 120° V-Tees

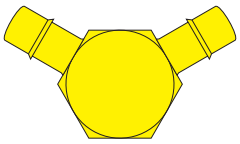
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/4VT.031-120°	1/4VT.031-120°-SS	1/4VT.031-120°-316SS	1/4VT.031-120°-NP	3/4	9/16	7/16
.040 / 1mm	1/4VT.040-120°	1/4VT.040-120°-SS	1/4VT.040-120°-316SS	1/4VT.040-120°-NP	3/4	9/16	7/16
3/64	1/4VT.045-120°	1/4VT.045-120°-SS	1/4VT.045-120°-316SS	1/4VT.045-120°-NP	3/4	9/16	7/16
.050	1/4VT.050-120°	1/4VT.050-120°-SS	1/4VT.050-120°-316SS	1/4VT.050-120°-NP	3/4	9/16	7/16
1/16	1/4VT1-120°	1/4VT1-120°-SS	1/4VT1-120°-316SS	1/4VT1-120°-NP	3/4	9/16	1/2
5/64 / 2mm	1/4VT2-120°	1/4VT2-120°-SS	1/4VT2-120°-316SS	1/4VT2-120°-NP	3/4	9/16	1/2
3/32	1/4VT2 1/2-120°	1/4VT2 1/2-120°-SS	1/4VT2 1/2-120°-316SS	1/4VT2 1/2-120°-NP	3/4	9/16	1/2
1/8	1/4VT3-120°	1/4VT3-120°-SS	1/4VT3-120°-316SS	1/4VT3-120°-NP	3/4	9/16	19/32
5/32 / 4mm	1/4VT3 1/2-120°	1/4VT3 1/2-120°-SS	1/4VT3 1/2-120°-316SS	1/4VT3 1/2-120°-NP	3/4	9/16	19/32
.170	1/4VT4-120°	1/4VT4-120°-SS	1/4VT4-120°-316SS	1/4VT4-120°-NP	3/4	9/16	5/8
3/16	1/4VT5-120°	1/4VT5-120°-SS	1/4VT5-120°-316SS	1/4VT5-120°-NP	3/4	9/16	21/32
7/32	1/4VT5 1/2-120°	1/4VT5 1/2-120°-SS	1/4VT5 1/2-120°-316SS	1/4VT5 1/2-120°-NP	3/4	9/16	21/32
6mm	1/4VT5 3/4-120°	1/4VT5 3/4-120°-SS	1/4VT5 3/4-120°-316SS	1/4VT5 3/4-120°-NP	7/8	9/16	23/32
1/4	1/4VT6-120°	1/4VT6-120°-SS	1/4VT6-120°-316SS	1/4VT6-120°-NP	7/8	9/16	23/32
5/16 / 8mm	1/4VT7-120°	1/4VT7-120°-SS	1/4VT7-120°-316SS	1/4VT7-120°-NP	15/16	9/16	29/32
3/8	1/4VT8-120°	1/4VT8-120°-SS	1/4VT8-120°-316SS	1/4VT8-120°-NP	1 17/64	5/8	27/32
1/2	1/4VT10-120°	1/4VT10-120°-SS	1/4VT10-120°-316SS	1/4VT10-120°-NP	1 17/64	5/8	1 1/32



Note: *For systems that do not allow the degree symbol (°) to be used, substitute with 'DEG' in the part number.*



1/4VT4-120°



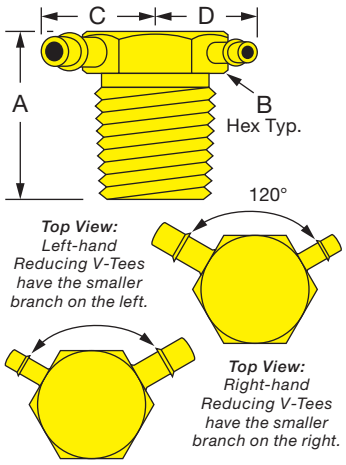
1/4VT5 1/2-120°

360 — 1/4 NPT Male Thread to Tube Reducing Left/Right-Hand 120° V-Tees

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	3/4	9/16	7/16	7/16
.040 / 1mm	.040	3/4	9/16	7/16	7/16
3/64	.045	3/4	9/16	7/16	7/16
.050	.050	3/4	9/16	7/16	7/16
1/16	1	3/4	9/16	1/2	1/2
5/64 / 2mm	2	3/4	9/16	1/2	1/2
3/32	2 1/2	3/4	9/16	1/2	1/2
1/8	3	3/4	9/16	19/32	19/32
5/32 / 4mm	3 1/2	3/4	9/16	19/32	19/32

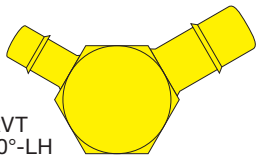
Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
.170	4	3/4	9/16	5/8	5/8
3/16	5	3/4	9/16	21/32	21/32
7/32	5 1/2	3/4	9/16	21/32	21/32
6mm	5 3/4	7/8	9/16	23/32	23/32
1/4	6	7/8	9/16	23/32	23/32
5/16 / 8mm	7	15/16	9/16	29/32	29/32
3/8	8	1 17/64	5/8	27/32	27/32
1/2	10	1 17/64	5/8	1 1/32	1 1/32

Note: *For systems that do not allow the degree symbol (°) to be used, substitute it with 'DEG' in the part number.*

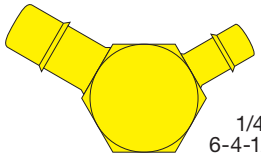


Top View: *Left-hand Reducing V-Tees have the smaller branch on the left.*

Top View: *Right-hand Reducing V-Tees have the smaller branch on the right.*



1/4RVT
6-4-120°-LH



1/4RVT
6-4-120°-RH

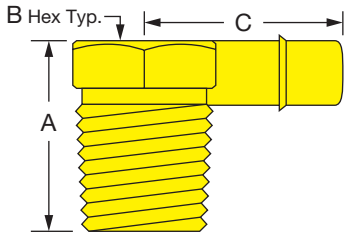
Part Numbers for 1/4 NPT Male Thread to Tube Reducing 120° V-Tees:

Thread Size → **1/4** **RVT** **#** - **#** - **120°** - **LH/RH**

- **RVT** — Fitting Series
- **#** — Larger Branch #
- **#** — Smaller Branch #
- **120°** — 120° Indicator
- **LH/RH** — Left/Right-Hand Indicator

Unless otherwise specified, parts will be Brass. To order other materials, use the following codes:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

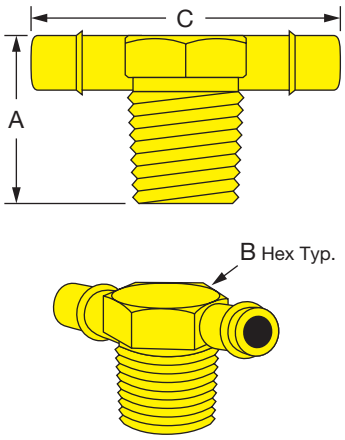
1/4 NPT Male Thread to Tube Low Profile Elbow 361



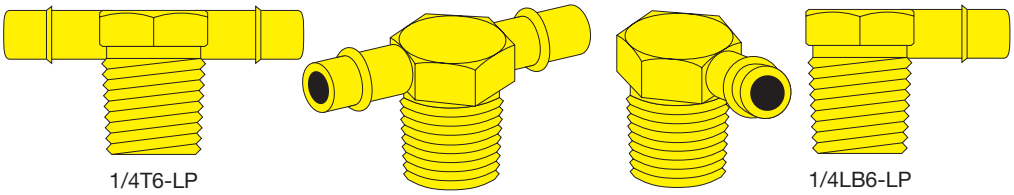
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/4	1/4LB6-LP	1/4LB6-LP-SS	1/4LB6-LP-316SS	1/4LB6-LP-NP	3/16	7/16	9/16

Low Profile Fittings: #6 Branch with Smaller Hex Height! (3/16 vs. 5/16 Standard)

1/4 NPT Male Thread to Tube Low Profile Tee 362



Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/4	1/4T6-LP	1/4T6-LP-SS	1/4T6-LP-316SS	1/4T6-LP-NP	3/4	7/16	13/32

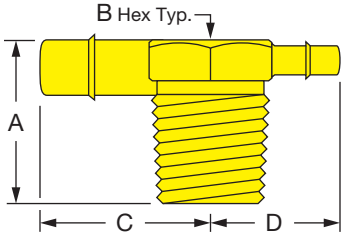


1/4T6-LP

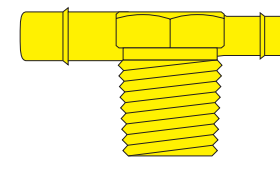
1/4LB6-LP

1/4 NPT Thread Low Profile 90° Tees also available! Consult factory for details!

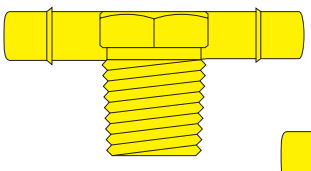
1/4 NPT Male Thread to Tube Low Profile Reducing Tees 363



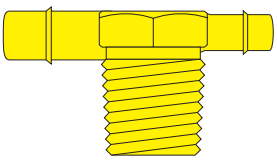
Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/4	1/16	1/4RT6-1-LP	1/4RT6-1-LP-SS	1/4RT6-1-LP-316SS	1/4RT6-1-LP-NP	3/4	9/16	23/32	1/2
1/4	5/64 / 2mm	1/4RT6-2-LP	1/4RT6-2-LP-SS	1/4RT6-2-LP-316SS	1/4RT6-2-LP-NP	3/4	9/16	23/32	1/2
1/4	3/32	1/4RT6-2 1/2-LP	1/4RT6-2 1/2-LP-SS	1/4RT6-2 1/2-LP-316SS	1/4RT6-2 1/2-LP-NP	3/4	9/16	23/32	1/2
1/4	1/8	1/4RT6-3-LP	1/4RT6-3-LP-SS	1/4RT6-3-LP-316SS	1/4RT6-3-LP-NP	3/4	9/16	23/32	19/32
1/4	5/32 / 4mm	1/4RT6-3 1/2-LP	1/4RT6-3 1/2-LP-SS	1/4RT6-3 1/2-LP-316SS	1/4RT6-3 1/2-LP-NP	3/4	9/16	23/32	19/32
1/4	.170	1/4RT6-4-LP	1/4RT6-4-LP-SS	1/4RT6-4-LP-316SS	1/4RT6-4-LP-NP	3/4	9/16	23/32	5/8
1/4	3/16	1/4RT6-5-LP	1/4RT6-5-LP-SS	1/4RT6-5-LP-316SS	1/4RT6-5-LP-NP	3/4	9/16	23/32	21/32
1/4	7/32	1/4RT6-5 1/2-LP	1/4RT6-5 1/2-LP-SS	1/4RT6-5 1/2-LP-316SS	1/4RT6-5 1/2-LP-NP	3/4	9/16	23/32	21/32
1/4	6mm	1/4RT6-5 3/4-LP	1/4RT6-5 3/4-LP-SS	1/4RT6-5 3/4-LP-316SS	1/4RT6-5 3/4-LP-NP	3/4	9/16	23/32	23/32



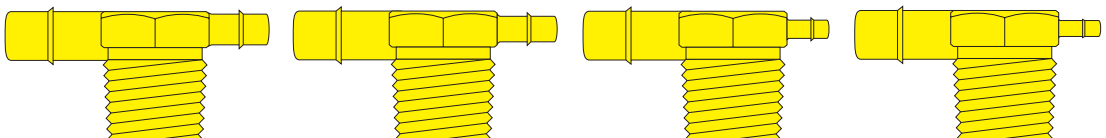
1/4RT6-5-LP



1/4RT6-5 3/4-LP



1/4RT6-4-LP



1/4RT6-3 1/2-LP

1/4RT6-3-LP

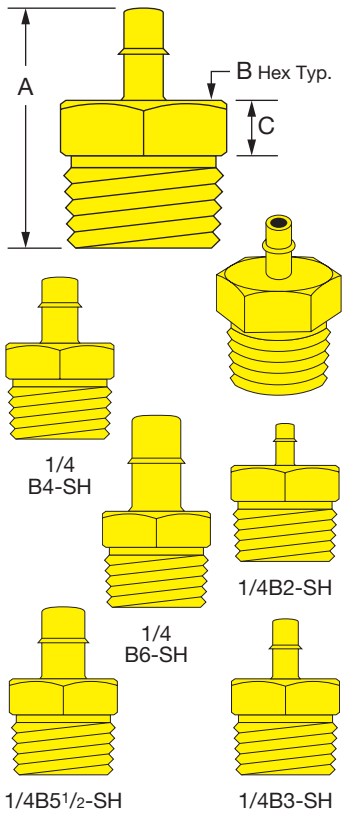
1/4RT6-2-LP

1/4RT6-1-LP

Low Profile Fittings: #6 Branch with Smaller Hex Height! (3/16 vs. 5/16 Standard). Custom 1/4 NPT Male Thread to Tube Low Profile Reducing 90° Tees also available! Consult factory for details!

364 — 1/4 NPT Short Male Thread to Tube

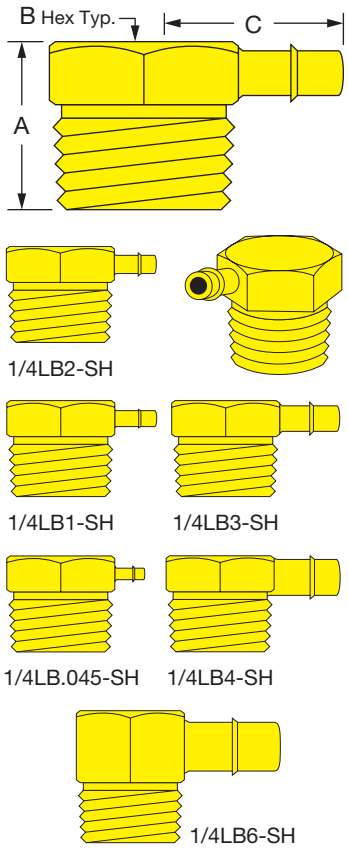
Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/4B.031-SH	1/4B.031-SH-SS	1/4B.031-SH-316SS	N/A	1/4B.031-SH-NP	21/32	9/16	3/16
.040 / 1mm	1/4B.040-SH	1/4B.040-SH-SS	1/4B.040-SH-316SS	N/A	1/4B.040-SH-NP	21/32	9/16	3/16
3/64	1/4B.045-SH	1/4B.045-SH-SS	1/4B.045-SH-316SS	N/A	1/4B.045-SH-NP	21/32	9/16	3/16
.050	1/4B.050-SH	1/4B.050-SH-SS	1/4B.050-SH-316SS	N/A	1/4B.050-SH-NP	21/32	9/16	3/16
1/16	1/4B1-SH	1/4B1-SH-SS	1/4B1-SH-316SS	1/4B1-SH-AL	1/4B1-SH-NP	23/32	9/16	3/16
5/64 / 2mm	1/4B2-SH	1/4B2-SH-SS	1/4B2-SH-316SS	1/4B2-SH-AL	1/4B2-SH-NP	23/32	9/16	3/16
3/32	1/4B2 1/2-SH	1/4B2 1/2-SH-SS	1/4B2 1/2-SH-316SS	1/4B2 1/2-SH-AL	1/4B2 1/2-SH-NP	23/32	9/16	3/16
1/8	1/4B3-SH	1/4B3-SH-SS	1/4B3-SH-316SS	1/4B3-SH-AL	1/4B3-SH-NP	13/16	9/16	3/16
5/32 / 4mm	1/4B3 1/2-SH	1/4B3 1/2-SH-SS	1/4B3 1/2-SH-316SS	1/4B3 1/2-SH-AL	1/4B3 1/2-SH-NP	13/16	9/16	3/16
.170	1/4B4-SH	1/4B4-SH-SS	1/4B4-SH-316SS	1/4B4-SH-AL	1/4B4-SH-NP	27/32	9/16	3/16
3/16	1/4B5-SH	1/4B5-SH-SS	1/4B5-SH-316SS	1/4B5-SH-AL	1/4B5-SH-NP	7/8	9/16	3/16
7/32	1/4B5 1/2-SH	1/4B5 1/2-SH-SS	1/4B5 1/2-SH-316SS	1/4B5 1/2-SH-AL	1/4B5 1/2-SH-NP	7/8	9/16	3/16
6mm	1/4B5 3/4-SH	1/4B5 3/4-SH-SS	1/4B5 3/4-SH-316SS	1/4B5 3/4-SH-AL	1/4B5 3/4-SH-NP	1	9/16	3/16
1/4	1/4B6-SH	1/4B6-SH-SS	1/4B6-SH-316SS	1/4B6-SH-AL	1/4B6-SH-NP	1	9/16	3/16



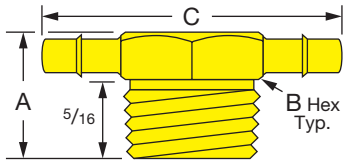
N

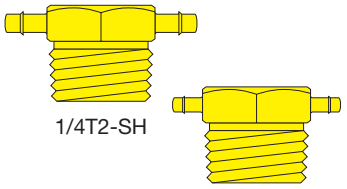
365 — 1/4 NPT Male Short Thread to Tube Elbows

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/4LB.031-SH	1/4LB.031-SH-SS	1/4LB.031-SH-316SS	1/4LB.031-SH-NP	1/2	7/16	7/16
.040 / 1mm	1/4LB.040-SH	1/4LB.040-SH-SS	1/4LB.040-SH-316SS	1/4LB.040-SH-NP	1/2	7/16	7/16
3/64	1/4LB.045-SH	1/4LB.045-SH-SS	1/4LB.045-SH-316SS	1/4LB.045-SH-NP	1/2	7/16	7/16
.050	1/4LB.050-SH	1/4LB.050-SH-SS	1/4LB.050-SH-316SS	1/4LB.050-SH-NP	1/2	7/16	7/16
1/16	1/4LB1-SH	1/4LB1-SH-SS	1/4LB1-SH-316SS	1/4LB1-SH-NP	1/2	7/16	1/2
5/64 / 2mm	1/4LB2-SH	1/4LB2-SH-SS	1/4LB2-SH-316SS	1/4LB2-SH-NP	1/2	7/16	1/2
3/32	1/4LB2 1/2-SH	1/4LB2 1/2-SH-SS	1/4LB2 1/2-SH-316SS	1/4LB2 1/2-SH-NP	1/2	7/16	1/2
1/8	1/4LB3-SH	1/4LB3-SH-SS	1/4LB3-SH-316SS	1/4LB3-SH-NP	1/2	7/16	19/32
5/32 / 4mm	1/4LB3 1/2-SH	1/4LB3 1/2-SH-SS	1/4LB3 1/2-SH-316SS	1/4LB3 1/2-SH-NP	1/2	7/16	19/32
.170	1/4LB4-SH	1/4LB4-SH-SS	1/4LB4-SH-316SS	1/4LB4-SH-NP	1/2	7/16	5/8
3/16	1/4LB5-SH	1/4LB5-SH-SS	1/4LB5-SH-316SS	1/4LB5-SH-NP	9/16	7/16	21/32
7/32	1/4LB5 1/2-SH	1/4LB5 1/2-SH-SS	1/4LB5 1/2-SH-316SS	1/4LB5 1/2-SH-NP	9/16	7/16	21/32
6mm	1/4LB5 3/4-SH	1/4LB5 3/4-SH-SS	1/4LB5 3/4-SH-316SS	1/4LB5 3/4-SH-NP	7/8	7/16	23/32
1/4	1/4LB6-SH	1/4LB6-SH-SS	1/4LB6-SH-316SS	1/4LB6-SH-NP	7/8	7/16	23/32

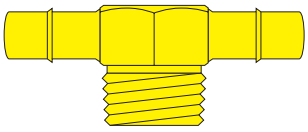


1/4 NPT Male Short Thread to Tube Tees 366



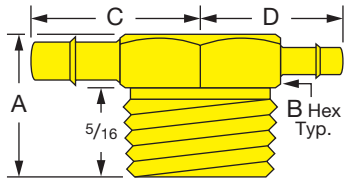

1/4T2-SH
1/4T.050-SH

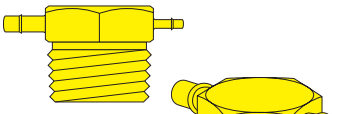

1/4T5-SH

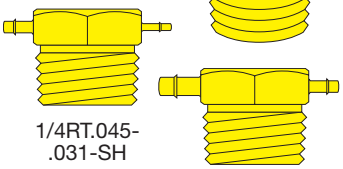

1/4T5 3/4-SH

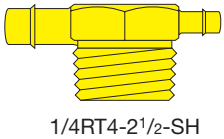
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/4T.031-SH	1/4T.031-SH-SS	1/4T.031-SH-316SS	1/4T.031-SH-NP	1/2	7/16	7/8
.040 / 1mm	1/4T.040-SH	1/4T.040-SH-SS	1/4T.040-SH-316SS	1/4T.040-SH-NP	1/2	7/16	7/8
3/64	1/4T.045-SH	1/4T.045-SH-SS	1/4T.045-SH-316SS	1/4T.045-SH-NP	1/2	7/16	7/8
.050	1/4T.050-SH	1/4T.050-SH-SS	1/4T.050-SH-316SS	1/4T.050-SH-NP	1/2	7/16	7/8
1/16	1/4T1-SH	1/4T1-SH-SS	1/4T1-SH-316SS	1/4T1-SH-NP	1/2	7/16	1
5/64 / 2mm	1/4T2-SH	1/4T2-SH-SS	1/4T2-SH-316SS	1/4T2-SH-NP	1/2	7/16	1
3/32	1/4T2 1/2-SH	1/4T2 1/2-SH-SS	1/4T2 1/2-SH-316SS	1/4T2 1/2-SH-NP	1/2	7/16	1
1/8	1/4T3-SH	1/4T3-SH-SS	1/4T3-SH-316SS	1/4T3-SH-NP	1/2	7/16	1 3/16
5/32 / 4mm	1/4T3 1/2-SH	1/4T3 1/2-SH-SS	1/4T3 1/2-SH-316SS	1/4T3 1/2-SH-NP	1/2	7/16	1 3/16
.170	1/4T4-SH	1/4T4-SH-SS	1/4T4-SH-316SS	1/4T4-SH-NP	1/2	7/16	1 1/4
3/16	1/4T5-SH	1/4T5-SH-SS	1/4T5-SH-316SS	1/4T5-SH-NP	9/16	7/16	1 5/16
7/32	1/4T5 1/2-SH	1/4T5 1/2-SH-SS	1/4T5 1/2-SH-316SS	1/4T5 1/2-SH-NP	9/16	7/16	1 5/16
6mm	1/4T5 3/4-SH	1/4T5 3/4-SH-SS	1/4T5 3/4-SH-316SS	1/4T5 3/4-SH-NP	7/8	7/16	1 9/16
1/4	1/4T6-SH	1/4T6-SH-SS	1/4T6-SH-316SS	1/4T6-SH-NP	7/8	7/16	1 9/16

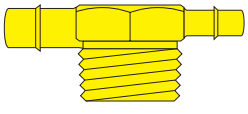
1/4 NPT Male Short Thread to Tube Reducing Tees 367




1/4RT
1-.040-SH

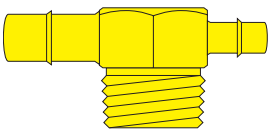

1/4RT.045-
.031-SH
1/4RT
2-.045-SH

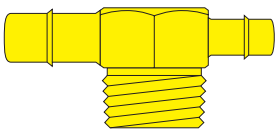

1/4RT4-2 1/2-SH

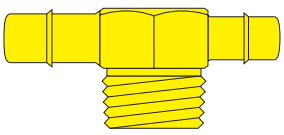

1/4RT5-3-SH

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	3/16	7/16	3/8	3/8
.040 / 1mm	.040	3/16	7/16	3/8	3/8
3/64	.045	3/16	7/16	3/8	3/8
.050	.050	3/16	7/16	3/8	3/8
1/16	1	3/16	7/16	7/16	7/16
5/64 / 2mm	2	3/16	7/16	7/16	7/16
3/32	2 1/2	3/16	7/16	7/16	7/16

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/8	3	1/4	7/16	17/32	17/32
5/32 / 4mm	3 1/2	1/4	7/16	17/32	17/32
.170	4	1/4	7/16	9/16	9/16
3/16	5	1/4	7/16	19/32	19/32
7/32	5 1/2	1/4	7/16	19/32	19/32
6mm	5 3/4	5/16	7/16	23/32	23/32
1/4	6	5/16	7/16	23/32	23/32


1/4RT5 3/4-3 1/2-SH


1/4RT6-4-SH


1/4RT6-5 1/2-SH

Other branch options available! Consult factory!

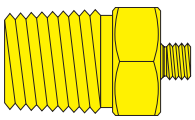
Part Numbers for 1/4 NPT Short Male Thread to Tube Reducing Tees:

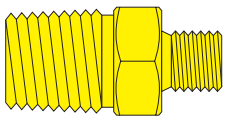
Thread Size → 1/4 (Fitting Series) RT # (Larger Branch #) - # (Smaller Branch #) SH (Short Thread Indicator)

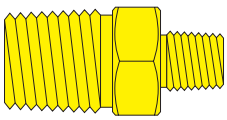
Unless otherwise specified, parts will be Brass. To order other materials, use the following codes:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

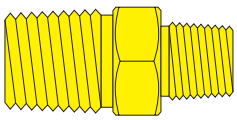
368 1/4 NPT Male Thread Hex Nipple & Reducing Hex Nipples

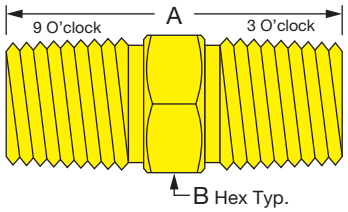
9 O'clock Thread Size	3 O'clock Thread Size	Part Numbers					Dimensions (Reference)	
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.
1/4 NPT	1/4 NPT	1/4HN	1/4HN-SS	1/4HN-316SS	1/4HN-AL	1/4HN-NP	1 3/8	9/16
1/4 NPT	1/8 NPT	1/4x1/8-RHN	1/4x1/8-RHN-SS	1/4x1/8-RHN-316SS	1/4x1/8-RHN-AL	1/4x1/8-RHN-NP	Consult Factory	Consult Factory
1/4 NPT	1/16 NPT	1/4x1/16-RHN	1/4x1/16-RHN-SS	1/4x1/16-RHN-316SS	1/4x1/16-RHN-AL	1/4x1/16-RHN-NP		
1/4 NPT	1/4-28	1/4x4-28-RHN	1/4x4-28-RHN-SS	1/4x4-28-RHN-316SS	1/4x4-28-RHN-AL	1/4x4-28-RHN-NP		
1/4 NPT	10-32	1/4x10-RHN	1/4x10-RHN-SS	1/4x10-RHN-316SS	1/4x10-RHN-AL	1/4x10-RHN-NP		
1/4 NPT	7/16-20 SAE	1/4x7/16-20-SAE-RHN	1/4x7/16-20-SAE-RHN-SS	1/4x7/16-20-SAE-RHN-316SS	1/4x7/16-20-SAE-RHN-AL	1/4x7/16-20-SAE-RHN-NP		
1/4 NPT	9/16-18 SAE	1/4x9/16-18-SAE-RHN	1/4x9/16-18-SAE-RHN-SS	1/4x9/16-18-SAE-RHN-316SS	1/4x9/16-18-SAE-RHN-AL	1/4x9/16-18-SAE-RHN-NP		
1/4 NPT	M3	1/4xM3-RHN	1/4xM3-RHN-SS	1/4xM3-RHN-316SS	1/4xM3-RHN-AL	1/4xM3-RHN-NP		
1/4 NPT	M5	1/4xM5-RHN	1/4xM5-RHN-SS	1/4xM5-RHN-316SS	1/4xM5-RHN-AL	1/4xM5-RHN-NP		
1/4 NPT	M6x1	1/4xM6x1-RHN	1/4xM6x1-RHN-SS	1/4xM6x1-RHN-316SS	1/4xM6x1-RHN-AL	1/4xM6x1-RHN-NP		
1/4 NPT	M8x1	1/4xM8x1-RHN	1/4xM8x1-RHN-SS	1/4xM8x1-RHN-316SS	1/4xM8x1-RHN-AL	1/4xM8x1-RHN-NP		
1/4 NPT	M10x 1.25	1/4xM10x 1.25-RHN	1/4xM10x1.25-RHN-SS	1/4xM10x1.25-RHN-316SS	1/4xM10x1.25-RHN-AL	1/4xM10x1.25-RHN-NP		

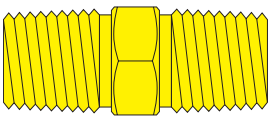

1/4x10-RHN


1/4xM8x1-RHN

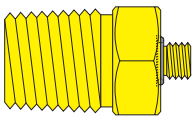

1/4x1/16-RHN

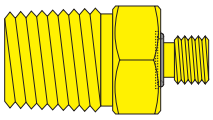

1/4x1/8-RHN




1/4HN

O-Ring options available on straight (reducing) threads!


1/4x10-RHN-O

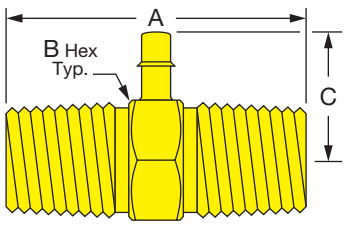

1/4x4-28-RHN-O

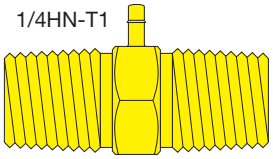
O-Ring materials on page 65!

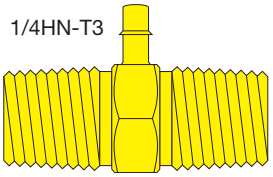
N

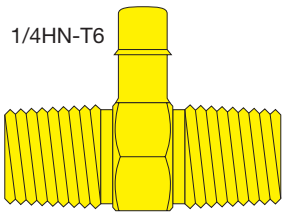
369 1/4 NPT Male Thread Nipples with Tube Branches: Tees

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/4HN-T.031	1/4HN-T.031-SS	1/4HN-T.031-316SS	1/4HN-T.031-NP	1 3/8	9/16	7/16
.040 / 1mm	1/4HN-T.040	1/4HN-T.040-SS	1/4HN-T.040-316SS	1/4HN-T.040-NP	1 3/8	9/16	7/16
3/64	1/4HN-T.045	1/4HN-T.045-SS	1/4HN-T.045-316SS	1/4HN-T.045-NP	1 3/8	9/16	7/16
.050	1/4HN-T.050	1/4HN-T.050-SS	1/4HN-T.050-316SS	1/4HN-T.050-NP	1 3/8	9/16	7/16
1/16	1/4HN-T1	1/4HN-T1-SS	1/4HN-T1-316SS	1/4HN-T1-NP	1 3/8	9/16	1/2
5/64 / 2mm	1/4HN-T2	1/4HN-T2-SS	1/4HN-T2-316SS	1/4HN-T2-NP	1 3/8	9/16	1/2
3/32	1/4HN-T2 1/2	1/4HN-T2 1/2-SS	1/4HN-T2 1/2-316SS	1/4HN-T2 1/2-NP	1 3/8	9/16	1/2
1/8	1/4HN-T3	1/4HN-T3-SS	1/4HN-T3-316SS	1/4HN-T3-NP	1 3/8	9/16	19/32
5/32 / 4mm	1/4HN-T3 1/2	1/4HN-T3 1/2-SS	1/4HN-T3 1/2-316SS	1/4HN-T3 1/2-NP	1 3/8	9/16	19/32
.170	1/4HN-T4	1/4HN-T4-SS	1/4HN-T4-316SS	1/4HN-T4-NP	1 3/8	9/16	5/8
3/16	1/4HN-T5	1/4HN-T5-SS	1/4HN-T5-316SS	1/4HN-T5-NP	1 3/8	9/16	21/32
7/32	1/4HN-T5 1/2	1/4HN-T5 1/2-SS	1/4HN-T5 1/2-316SS	1/4HN-T5 1/2-NP	1 3/8	9/16	21/32
6mm	1/4HN-T5 3/4	1/4HN-T5 3/4-SS	1/4HN-T5 3/4-316SS	1/4HN-T5 3/4-NP	1 3/8	9/16	23/32
1/4	1/4HN-T6	1/4HN-T6-SS	1/4HN-T6-316SS	1/4HN-T6-NP	1 3/8	9/16	23/32
5/16 / 8mm	1/4HN-T7	1/4HN-T7-SS	1/4HN-T7-316SS	1/4HN-T7-NP	Consult Factory		
3/8	1/4HN-T8	1/4HN-T8-SS	1/4HN-T8-316SS	1/4HN-T8-NP	Consult Factory		
1/2	1/4HN-T10	1/4HN-T10-SS	1/4HN-T10-316SS	1/4HN-T10-NP	Consult Factory		

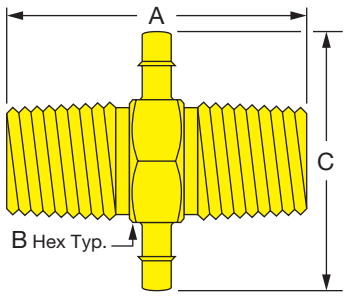


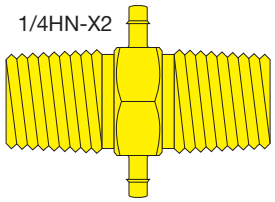

1/4HN-T1

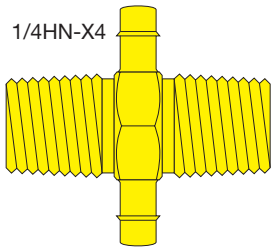

1/4HN-T3


1/4HN-T6

1/4 NPT Male Thread Nipples with Tube Branches: Crosses 370



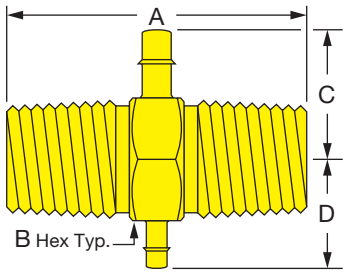


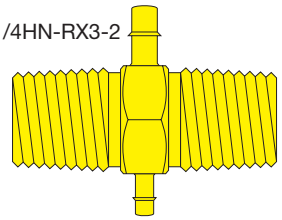


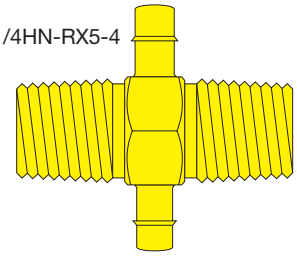
Note: *Images are for visual representation only; not intended for dimensional measurements. Dimensions may vary at time of manufacturing.*

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/4HN-X.031	1/4HN-X.031-SS	1/4HN-X.031-316SS	1/4HN-X.031-NP	1 3/8	9/16	7/8
.040 / 1mm	1/4HN-X.040	1/4HN-X.040-SS	1/4HN-X.040-316SS	1/4HN-X.040-NP	1 3/8	9/16	7/8
3/64	1/4HN-X.045	1/4HN-X.045-SS	1/4HN-X.045-316SS	1/4HN-X.045-NP	1 3/8	9/16	7/8
.050	1/4HN-X.050	1/4HN-X.050-SS	1/4HN-X.050-316SS	1/4HN-X.050-NP	1 3/8	9/16	7/8
1/16	1/4HN-X1	1/4HN-X1-SS	1/4HN-X1-316SS	1/4HN-X1-NP	1 3/8	9/16	1
5/64 / 2mm	1/4HN-X2	1/4HN-X2-SS	1/4HN-X2-316SS	1/4HN-X2-NP	1 3/8	9/16	1
3/32	1/4HN-X2 1/2	1/4HN-X2 1/2-SS	1/4HN-X2 1/2-316SS	1/4HN-X2 1/2-NP	1 3/8	9/16	1
1/8	1/4HN-X3	1/4HN-X3-SS	1/4HN-X3-316SS	1/4HN-X3-NP	1 3/8	9/16	1 3/16
5/32 / 4mm	1/4HN-X3 1/2	1/4HN-X3 1/2-SS	1/4HN-X3 1/2-316SS	1/4HN-X3 1/2-NP	1 3/8	9/16	1 3/16
.170	1/4HN-X4	1/4HN-X4-SS	1/4HN-X4-316SS	1/4HN-X4-NP	1 3/8	9/16	1 1/4
3/16	1/4HN-X5	1/4HN-X5-SS	1/4HN-X5-316SS	1/4HN-X5-NP	1 3/8	9/16	1 5/16
7/32	1/4HN-X5 1/2	1/4HN-X5 1/2-SS	1/4HN-X5 1/2-316SS	1/4HN-X5 1/2-NP	1 3/8	9/16	1 5/16
6mm	1/4HN-X5 3/4	1/4HN-X5 3/4-SS	1/4HN-X5 3/4-316SS	1/4HN-X5 3/4-NP	1 3/8	9/16	1 9/16
1/4	1/4HN-X6	1/4HN-X6-SS	1/4HN-X6-316SS	1/4HN-X6-NP	1 3/8	9/16	1 9/16
5/16 / 8mm	1/4HN-X7	1/4HN-X7-SS	1/4HN-X7-316SS	1/4HN-X7-NP	*Consult Factory*		
3/8	1/4HN-X8	1/4HN-X8-SS	1/4HN-X8-316SS	1/4HN-X8-NP	*Consult Factory*		
1/2	1/4HN-X10	1/4HN-X10-SS	1/4HN-X10-316SS	1/4HN-X10-NP	*Consult Factory*		

1/4 NPT Male Thread Nipples with Tube Branches: Reducing Crosses 371







Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	1 3/8	9/16	*Consult Factory*	*Consult Factory*
.040 / 1mm	.040	1 3/8	9/16		
3/64	.045	1 3/8	9/16		
.050	.050	1 3/8	9/16		
1/16	1	1 3/8	9/16		
5/64 / 2mm	2	1 3/8	9/16		
3/32	2 1/2	1 3/8	9/16		
1/8	3	1 3/8	9/16		
5/32 / 4mm	3 1/2	1 3/8	9/16		

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
.170	4	1 3/8	9/16	*Consult Factory*	*Consult Factory*
3/16	5	1 3/8	9/16		
7/32	5 1/2	1 3/8	9/16		
6mm	5 3/4	1 3/8	9/16		
1/4	6	1 3/8	9/16		
5/16 / 8mm	7	*Consult Factory*			
3/8	8	*Consult Factory*			
1/2	10	*Consult Factory*			

Orifices options are available on page 445!

Part Numbers for 1/4 NPT Nipples with Reducing Cross Branches:

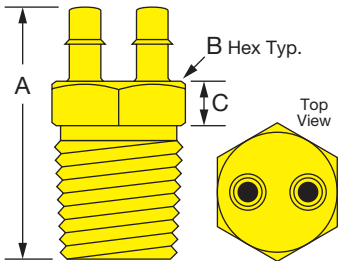
Thread Size → **1/4** **HN-RX** **#** **-** **#** ← Smaller Branch #

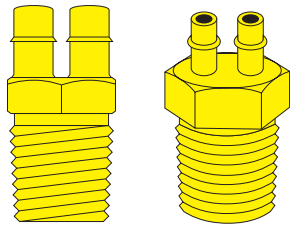
Fitting Series ↑ ↑ Larger Branch #

Unless otherwise specified, parts will be Brass. To order other materials, use the following codes:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

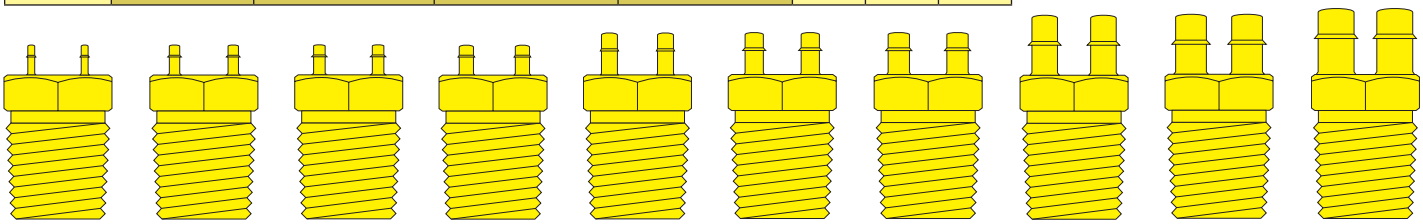
372 1/4 NPT Male Thread Straight Manifolds with 2 Branches

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/4B.031x2	1/4B.031x2-SS	1/4B.031x2-316SS	1/4B.031x2-NP	29/32	9/16	3/16
.040 / 1mm	1/4B.040x2	1/4B.040x2-SS	1/4B.040x2-316SS	1/4B.040x2-NP	29/32	9/16	3/16
3/64	1/4B.045x2	1/4B.045x2-SS	1/4B.045x2-316SS	1/4B.045x2-NP	29/32	9/16	3/16
.050	1/4B.050x2	1/4B.050x2-SS	1/4B.050x2-316SS	1/4B.050x2-NP	29/32	9/16	3/16
1/16	1/4B1x2	1/4B1x2-SS	1/4B1x2-316SS	1/4B1x2-NP	31/32	9/16	3/16
5/64 / 2mm	1/4B2x2	1/4B2x2-SS	1/4B2x2-316SS	1/4B2x2-NP	31/32	9/16	3/16
3/32	1/4B2 1/2x2	1/4B2 1/2x2-SS	1/4B2 1/2x2-316SS	1/4B2 1/2x2-NP	31/32	9/16	3/16
1/8	1/4B3x2	1/4B3x2-SS	1/4B3x2-316SS	1/4B3x2-NP	1 1/16	9/16	3/16
5/32 / 4mm	1/4B3 1/2x2	1/4B3 1/2x2-SS	1/4B3 1/2x2-316SS	1/4B3 1/2x2-NP	1 1/16	9/16	3/16
.170	1/4B4x2	1/4B4x2-SS	1/4B4x2-316SS	1/4B4x2-NP	1 3/32	9/16	3/16
3/8	1/4B5x2	1/4B5x2-SS	1/4B5x2-316SS	1/4B5x2-NP	1 1/8	9/16	3/16





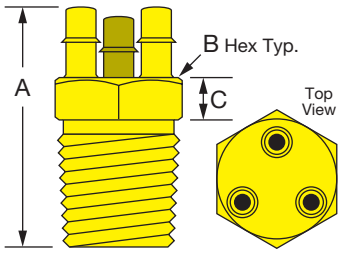
1/4B5x2

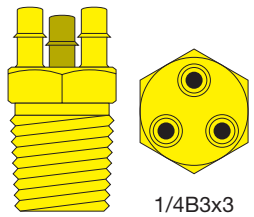


1/4B.031x2 1/4B.040x2 1/4B.045x2 1/4B.050x2 1/4B1x2 1/4B2x2 1/4B2 1/2x2 1/4B3x2 1/4B3 1/2x2 1/4B4x2

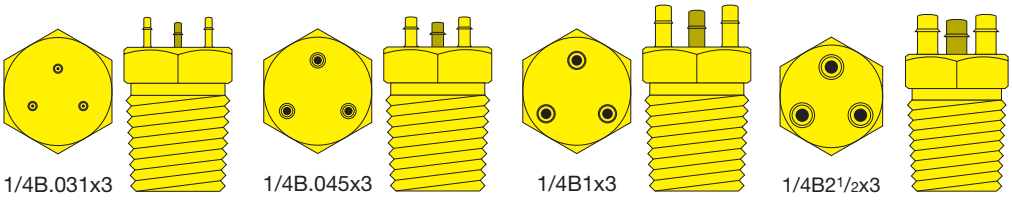
373 1/4 NPT Male Thread Straight Manifolds with 3 Branches

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/4B.031x3	1/4B.031x3-SS	1/4B.031x3-316SS	1/4B.031x3-NP	29/32	9/16	3/16
.040 / 1mm	1/4B.040x3	1/4B.040x3-SS	1/4B.040x3-316SS	1/4B.040x3-NP	29/32	9/16	3/16
3/64	1/4B.045x3	1/4B.045x3-SS	1/4B.045x3-316SS	1/4B.045x3-NP	29/32	9/16	3/16
.050	1/4B.050x3	1/4B.050x3-SS	1/4B.050x3-316SS	1/4B.050x3-NP	29/32	9/16	3/16
1/16	1/4B1x3	1/4B1x3-SS	1/4B1x3-316SS	1/4B1x3-NP	31/32	9/16	3/16
5/64 / 2mm	1/4B2x3	1/4B2x3-SS	1/4B2x3-316SS	1/4B2x3-NP	31/32	9/16	3/16
3/32	1/4B2 1/2x3	1/4B2 1/2x3-SS	1/4B2 1/2x3-316SS	1/4B2 1/2x3-NP	31/32	9/16	3/16
1/8	1/4B3x3	1/4B3x3-SS	1/4B3x3-316SS	1/4B3x3-NP	1 1/16	9/16	3/16

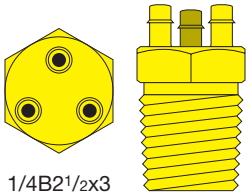




1/4B3x3



1/4B.031x3 1/4B.045x3 1/4B1x3 1/4B2 1/2x3

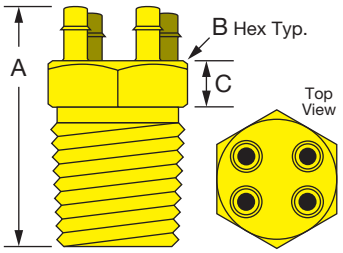


1/4B2 1/2x3

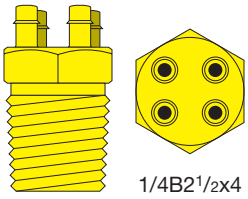
Use the template on page 203 to customize your manifolds with alternate branch locations!

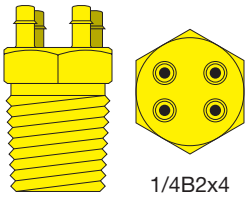
Note: *Images are for visual representation only; not intended for dimensional measurements.*

1/4 NPT Male Thread Straight Manifolds with 4 Branches 374



Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/4B.031x4	1/4B.031x4-SS	1/4B.031x4-316SS	1/4B.031x4-NP	29/32	9/16	3/16
.040 / 1mm	1/4B.040x4	1/4B.040x4-SS	1/4B.040x4-316SS	1/4B.040x4-NP	29/32	9/16	3/16
3/64	1/4B.045x4	1/4B.045x4-SS	1/4B.045x4-316SS	1/4B.045x4-NP	29/32	9/16	3/16
.050	1/4B.050x4	1/4B.050x4-SS	1/4B.050x4-316SS	1/4B.050x4-NP	29/32	9/16	3/16
1/16	1/4B1x4	1/4B1x4-SS	1/4B1x4-316SS	1/4B1x4-NP	31/32	9/16	3/16
5/64 / 2mm	1/4B2x4	1/4B2x4-SS	1/4B2x4-316SS	1/4B2x4-NP	31/32	9/16	3/16
3/32	1/4B2 1/2x4	1/4B2 1/2x4-SS	1/4B2 1/2x4-316SS	1/4B2 1/2x4-NP	31/32	9/16	3/16


1/4B2 1/2x4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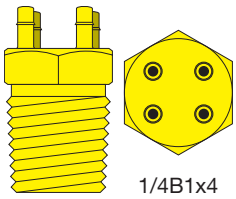
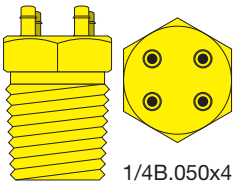
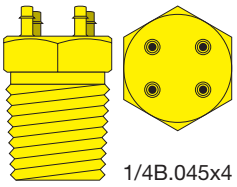
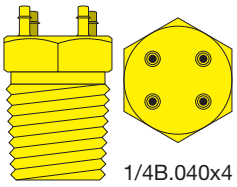
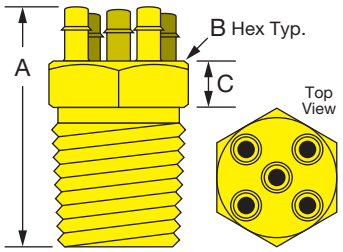

1/4B1x4


1/4B.050x4

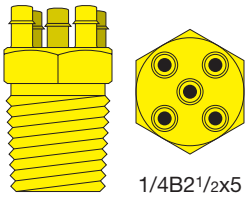

1/4B.045x4

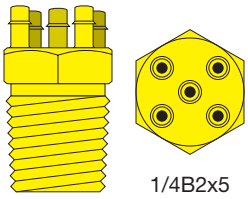

1/4B.040x4

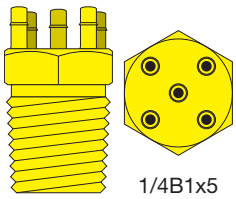
1/4 NPT Male Thread Straight Manifolds with 5 Branches 375

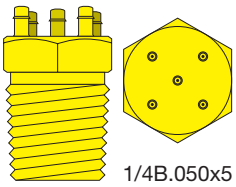


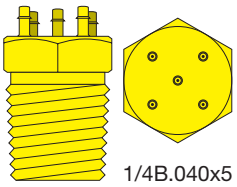
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/4B.031x5	1/4B.031x5-SS	1/4B.031x5-316SS	1/4B.031x5-NP	29/32	9/16	3/16
.040 / 1mm	1/4B.040x5	1/4B.040x5-SS	1/4B.040x5-316SS	1/4B.040x5-NP	29/32	9/16	3/16
3/64	1/4B.045x5	1/4B.045x5-SS	1/4B.045x5-316SS	1/4B.045x5-NP	29/32	9/16	3/16
.050	1/4B.050x5	1/4B.050x5-SS	1/4B.050x5-316SS	1/4B.050x5-NP	29/32	9/16	3/16
1/16	1/4B1x5	1/4B1x5-SS	1/4B1x5-316SS	1/4B1x5-NP	31/32	9/16	3/16
5/64 / 2mm	1/4B2x5	1/4B2x5-SS	1/4B2x5-316SS	1/4B2x5-NP	31/32	9/16	3/16
3/32	1/4B2 1/2x5	1/4B2 1/2x5-SS	1/4B2 1/2x5-316SS	1/4B2 1/2x5-NP	31/32	9/16	3/16

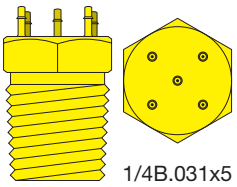

1/4B2 1/2x5


1/4B2x5

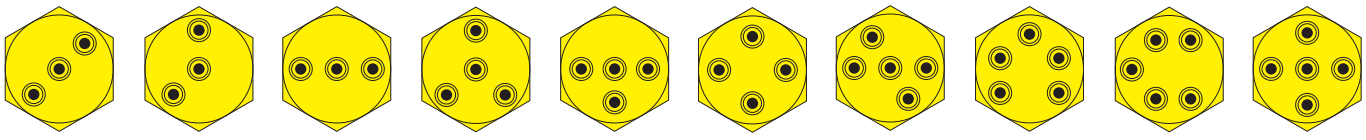

1/4B1x5


1/4B.050x5


1/4B.040x5

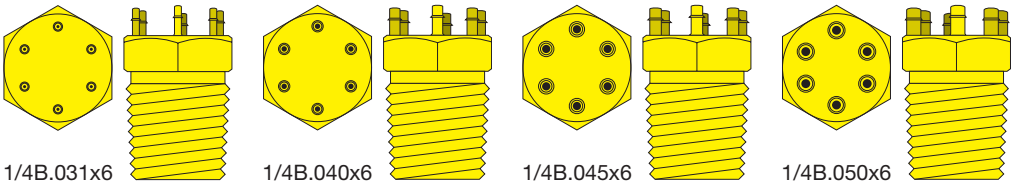

1/4B.031x5

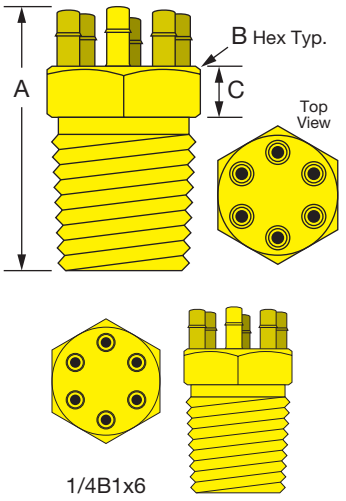
Use the template on page 203 to customize 1/4 NPT Straight Manifolds with alternate branch locations!



376 1/4 NPT Male Thread Straight Manifolds with 6 Branches

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/4B.031x6	1/4B.031x6-SS	1/4B.031x6-316SS	1/4B.031x6-NP	29/32	9/16	3/16
.040 / 1mm	1/4B.040x6	1/4B.040x6-SS	1/4B.040x6-316SS	1/4B.040x6-NP	29/32	9/16	3/16
3/64	1/4B.045x6	1/4B.045x6-SS	1/4B.045x6-316SS	1/4B.045x6-NP	29/32	9/16	3/16
.050	1/4B.050x6	1/4B.050x6-SS	1/4B.050x6-316SS	1/4B.050x6-NP	29/32	9/16	3/16
1/16	1/4B1x6	1/4B1x6-SS	1/4B1x6-316SS	1/4B1x6-NP	31/32	9/16	3/16



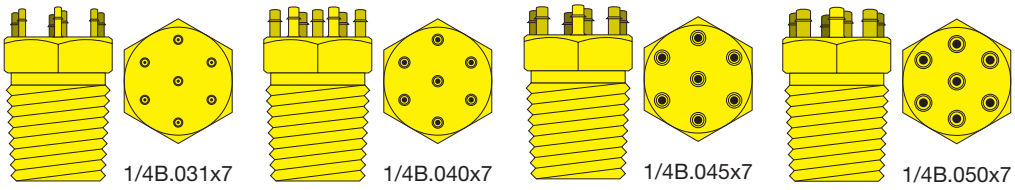


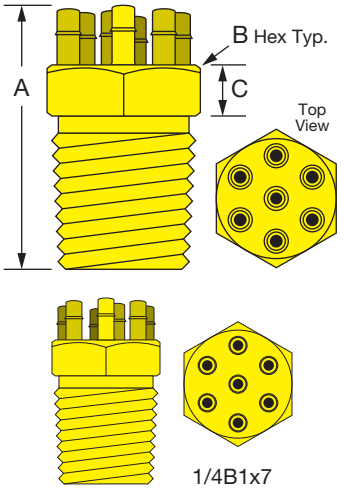
Note:
Dimensions may vary at time of manufacturing.

N

377 1/4 NPT Male Thread Straight Manifolds with 7 Branches

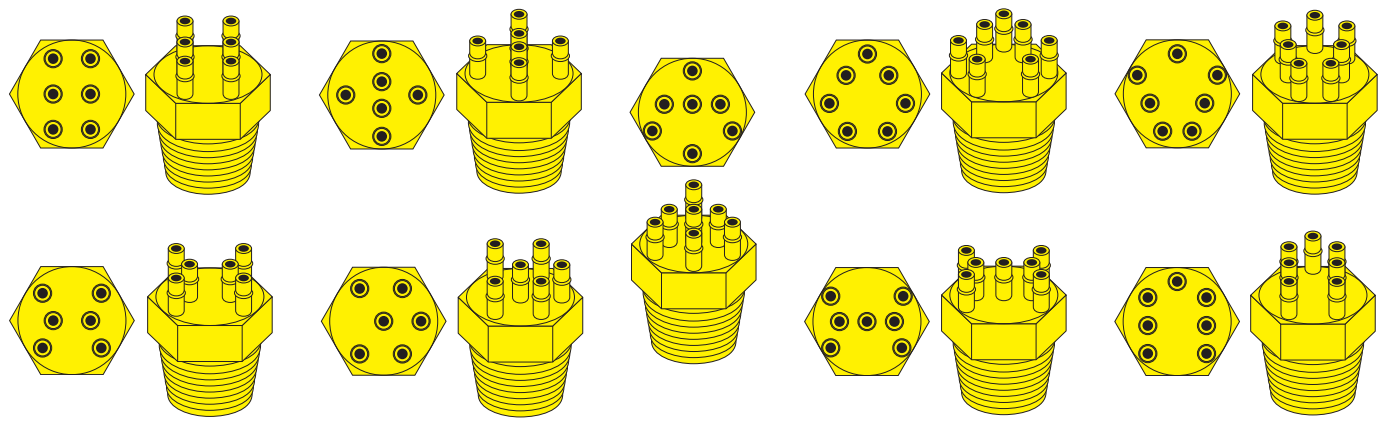
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/4B.031x7	1/4B.031x7-SS	1/4B.031x7-316SS	1/4B.031x7-NP	29/32	9/16	3/16
.040 / 1mm	1/4B.040x7	1/4B.040x7-SS	1/4B.040x7-316SS	1/4B.040x7-NP	29/32	9/16	3/16
3/64	1/4B.045x7	1/4B.045x7-SS	1/4B.045x7-316SS	1/4B.045x7-NP	29/32	9/16	3/16
.050	1/4B.050x7	1/4B.050x7-SS	1/4B.050x7-316SS	1/4B.050x7-NP	29/32	9/16	3/16
1/16	1/4B1x7	1/4B1x7-SS	1/4B1x7-316SS	1/4B1x7-NP	31/32	9/16	3/16



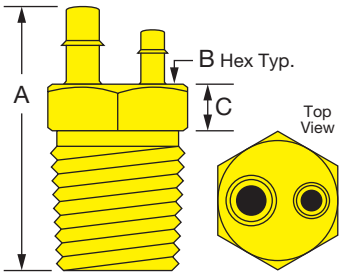


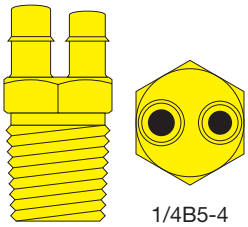
Note: *Images are for visual representation only; not intended for dimensional measurements.*

Use the template on page 203 to customize straight manifolds with alternate branch locations!!



1/4 NPT Male Thread Straight Reducing Manifolds with 2 Branches 378




1/4B5-4

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/32	.031	29/32	9/16	3/16
.040 / 1mm	.040	29/32	9/16	3/16
3/64	.045	29/32	9/16	3/16
.050	.050	29/32	9/16	3/16
1/16	1	31/32	9/16	3/16
5/64 / 2mm	2	31/32	9/16	3/16

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
3/32	2 1/2	31/32	9/16	3/16
1/8	3	1 1/16	9/16	3/16
5/32 / 4mm	3 1/2	1 1/16	9/16	3/16
.170	4	1 3/32	9/16	3/16
3/16	5	1 1/8	9/16	3/16

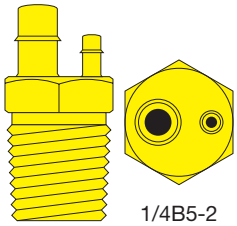
Material options are listed on below!

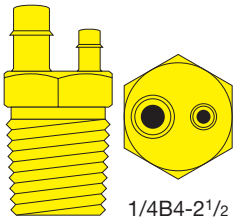
Part Numbers for 1/4 NPT Male Thread Reducing Manifolds with 2 Branches:

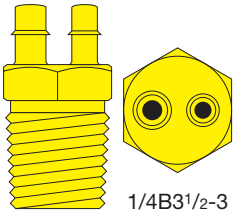
Thread Size → 1/4 B # - # ← Smaller Branch #

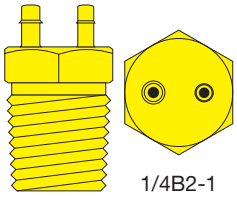
Fitting Series → B

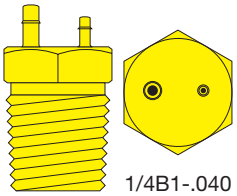
Larger Branch # → #


1/4B5-2

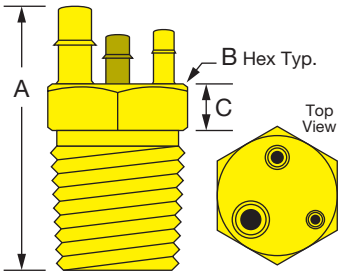

1/4B4-2 1/2


1/4B3 1/2-3


1/4B2-1


1/4B1-.040

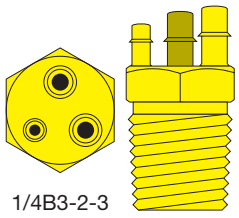
1/4 NPT Male Thread Straight Reducing Manifolds with 3 Branches 379

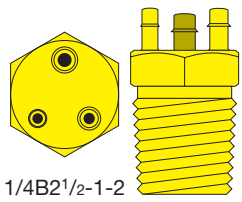


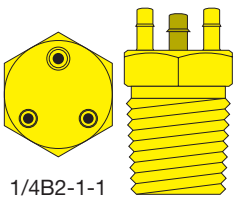
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/32	.031	29/32	9/16	3/16
.040 / 1mm	.040	29/32	9/16	3/16
3/64	.045	29/32	9/16	3/16
.050	.050	29/32	9/16	3/16

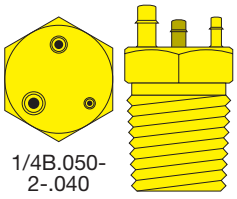
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/16	1	31/32	9/16	3/16
5/64 / 2mm	2	31/32	9/16	3/16
3/32	2 1/2	31/32	9/16	3/16
1/8	3	1 1/16	9/16	3/16

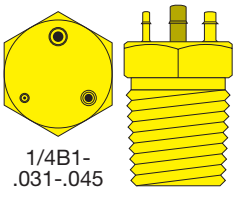
Use the template on page 203 to indicate branch sizes & location!


1/4B3-2-3

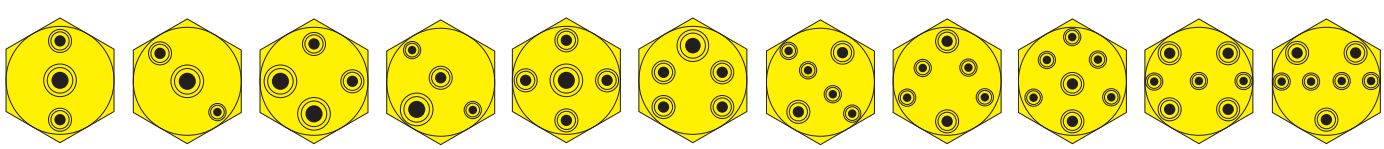

1/4B2 1/2-1-2


1/4B2-1-1


1/4B.050-2-.040


1/4B1-.031-.045

Customize straight manifolds with alternate configurations! Use the template on page 203 to indicate branch sizes & placement!



Unless otherwise specified, parts will be Brass. To order other materials, please add the following codes to the end of the part number:

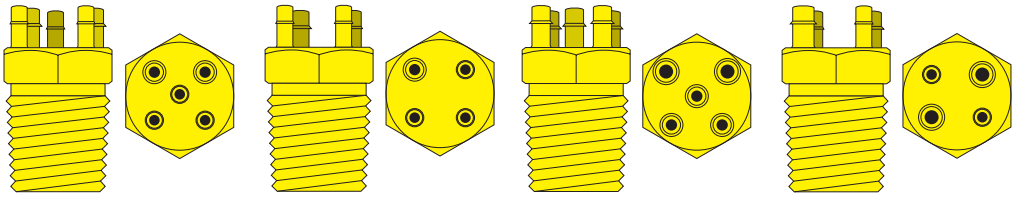
-SS = Stainless Steel 303 **-316SS** = Stainless Steel 316 **-NP** = Electroless Nickel Plate

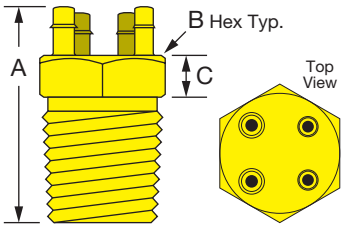
380 1/4 NPT Male Thread Straight Reducing Manifolds with 4 or 5 Branches

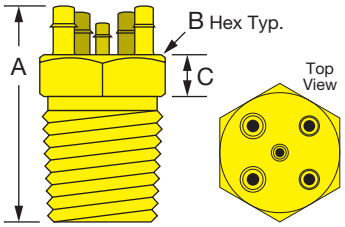
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/32	.031	29/32	9/16	3/16
.040 / 1mm	.040	29/32	9/16	3/16
3/64	.045	29/32	9/16	3/16
.050	.050	29/32	9/16	3/16

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/16	1	31/32	9/16	3/16
5/64 / 2mm	2	31/32	9/16	3/16
3/32	2 1/2	31/32	9/16	3/16

Material options are listed on previous page!







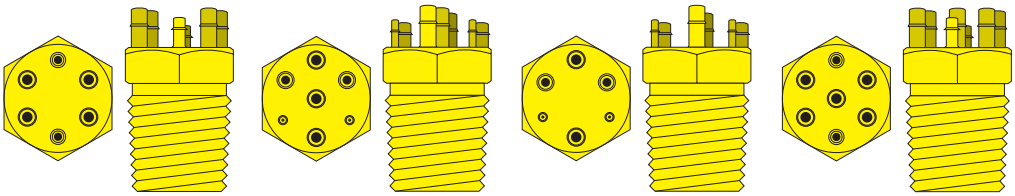
Use template below for options!

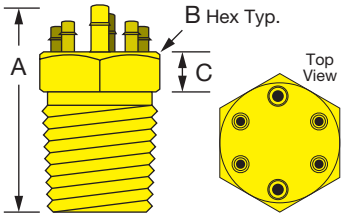
381 1/4 NPT Male Thread Straight Reducing Manifolds with 6 or 7 Branches

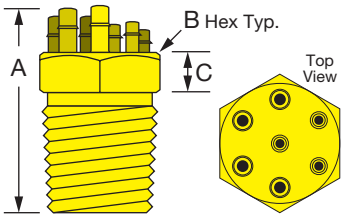
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/32	.031	29/32	9/16	3/16
.040 / 1mm	.040	29/32	9/16	3/16
3/64	.045	29/32	9/16	3/16

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
.050	.050	29/32	9/16	3/16
1/16	1	31/32	9/16	3/16

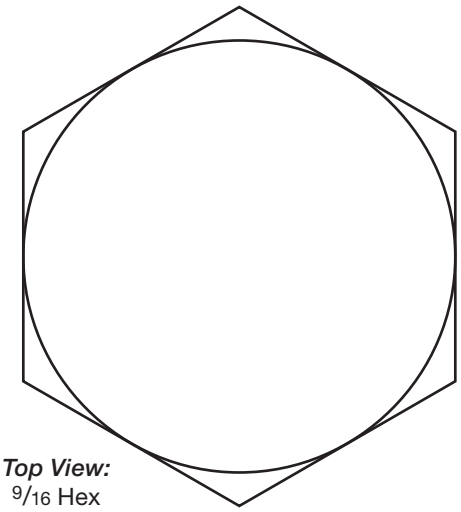
Material options are listed on previous page!







1/4 NPT Male Thread Straight Manifold Template for Branch Sizes and Locations



Top View:
9/16 Hex
Scaled 4:1

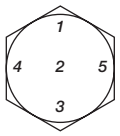
To Use:
Indicate the desired location of each branch by writing the numbers 1 through 7 (1 = 1st Branch, etc.) on the diagram on the left. Mark the coordinating Branch Number (size) in the chart below. Reference tables on pages 199-203 for Branch Numbers and Tube ID's. Upon receipt of this template, a part number* will be issued.

Consult factory for details!

Branch Numbers:

1st Branch (1) = _____
2nd Branch (2) = _____
3rd Branch (3) = _____
4th Branch (4) = _____
5th Branch (5) = _____
6th Branch (6) = _____
7th Branch (7) = _____

Example:



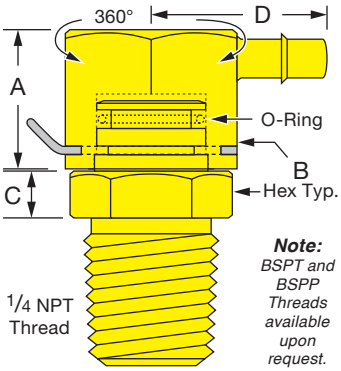
Branch Numbers:

1st Branch (1) = *2*
2nd Branch (2) = *2*
3rd Branch (3) = *2*
4th Branch (4) = *1*
5th Branch (5) = *1*
6th Branch (6) = ***n/a***
7th Branch (7) = ***n/a***

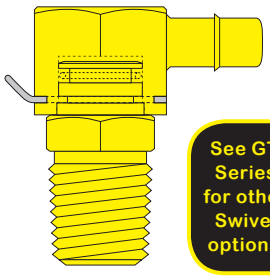
Part number: **1/4B2-2-2-1-1**
Two #2 Branches (1st, 2nd, 3rd)
Two #1 Branches (4th, 5th)

*Part numbers will vary depending on branch configuration.

1/4 NPT Male Thread to Tube Swivel Elbows with Clip Groove 382



Note: *BSPT and BSPP Threads available upon request.*



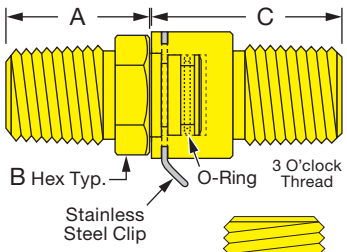
1/4SW-LB6-GT

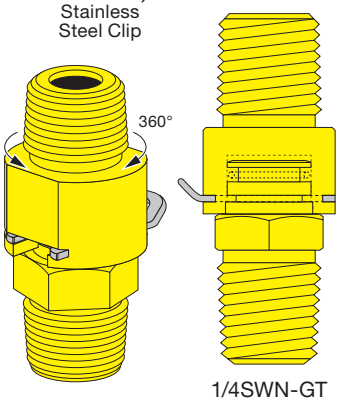
See GT Series for other Swivel options!

Tube ID	Part Numbers				Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/16	1/4SW-LB1-GT	1/4SW-LB1-GT-SS	1/4SW-LB1-GT-316SS	1/4SW-LB1-GT-NP	Consult Factory	Consult Factory	Consult Factory	Consult Factory
5/64 / 2mm	1/4SW-LB2-GT	1/4SW-LB2-GT-SS	1/4SW-LB2-GT-316SS	1/4SW-LB2-GT-NP				
3/32	1/4SW-LB2 1/2-GT	1/4SW-LB2 1/2-GT-SS	1/4SW-LB2 1/2-GT-316SS	1/4SW-LB2 1/2-GT-NP				
1/8	1/4SW-LB3-GT	1/4SW-LB3-GT-SS	1/4SW-LB3-GT-316SS	1/4SW-LB3-GT-NP				
5/32 / 4mm	1/4SW-LB3 1/2-GT	1/4SW-LB3 1/2-GT-SS	1/4SW-LB3 1/2-GT-316SS	1/4SW-LB3 1/2-GT-NP				
.170	1/4SW-LB4-GT	1/4SW-LB4-GT-SS	1/4SW-LB4-GT-316SS	1/4SW-LB4-GT-NP				
3/16	1/4SW-LB5-GT	1/4SW-LB5-GT-SS	1/4SW-LB5-GT-316SS	1/4SW-LB5-GT-NP				
7/32	1/4SW-LB5 1/2-GT	1/4SW-LB5 1/2-GT-SS	1/4SW-LB5 1/2-GT-316SS	1/4SW-LB5 1/2-GT-NP				
6mm	1/4SW-LB5 3/4-GT	1/4SW-LB5 3/4-GT-SS	1/4SW-LB5 3/4-GT-316SS	1/4SW-LB5 3/4-GT-NP				
1/4	1/4SW-LB6-GT	1/4SW-LB6-GT-SS	1/4SW-LB6-GT-316SS	1/4SW-LB6-GT-NP				
5/16 / 8mm	1/4SW-LB7-GT	1/4SW-LB7-GT-SS	1/4SW-LB7-GT-316SS	1/4SW-LB7-GT-NP				
3/8	1/4SW-LB8-GT	1/4SW-LB8-GT-SS	1/4SW-LB8-GT-316SS	1/4SW-LB8-GT-NP				
1/2	1/4SW-LB10-GT	1/4SW-LB10-GT-SS	1/4SW-LB10-GT-316SS	1/4SW-LB10-GT-NP				

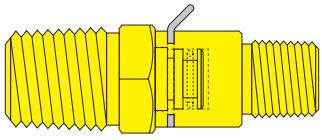
N

1/4 NPT Male Thread Swivel Nipples and Reducing Swivel Nipples 383

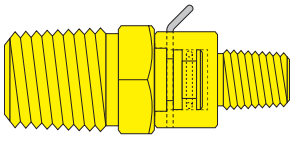




1/4SWN-GT

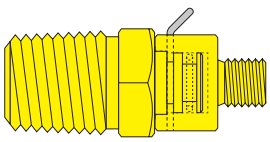


1/4RSWN-1/8-GT

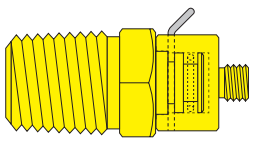


1/4RSWN-1/16-GT

9 O'clock Thread Size	3 O'clock Thread Size	Part Numbers					Dimensions (Reference)		
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/4	1/4	1/4SWN-GT	1/4SWN-GT-SS	1/4SWN-GT-316SS	1/4SWN-GT-AL	1/4SWN-GT-NP	Consult Factory	Consult Factory	Consult Factory
1/4	1/8	1/4RSWN-1/8-GT	1/4RSWN-1/8-GT-SS	1/4RSWN-1/8-GT-316SS	1/4RSWN-1/8-GT-AL	1/4RSWN-1/8-GT-NP			
1/4	5/16-24	1/4RSWN-5/16-24-GT	1/4RSWN-5/16-24-GT-SS	1/4RSWN-5/16-24-GT-316SS	1/4RSWN-5/16-24-GT-AL	1/4RSWN-5/16-24-GT-NP			
1/4	5/16-18	1/4RSWN-5/16-18-GT	1/4RSWN-5/16-18-GT-SS	1/4RSWN-5/16-18-GT-316SS	1/4RSWN-5/16-18-GT-AL	1/4RSWN-5/16-18-GT-NP			
1/4	1/16	1/4RSWN-1/16-GT	1/4RSWN-1/16-GT-SS	1/4RSWN-1/16-GT-316SS	1/4RSWN-1/16-GT-AL	1/4RSWN-1/16-GT-NP			
1/4	1/4-28	1/4RSWN-4-28-GT	1/4RSWN-4-28-GT-SS	1/4RSWN-4-28-GT-316SS	1/4RSWN-4-28-GT-AL	1/4RSWN-4-28-GT-NP			
1/4	1/4-20	1/4RSWN-4-20-GT	1/4RSWN-4-20-GT-SS	1/4RSWN-4-20-GT-316SS	1/4RSWN-4-20-GT-AL	1/4RSWN-4-20-GT-NP			
1/4	10-32	1/4RSWN-10-GT	1/4RSWN-10-GT-SS	1/4RSWN-10-GT-316SS	1/4RSWN-10-GT-AL	1/4RSWN-10-GT-NP			

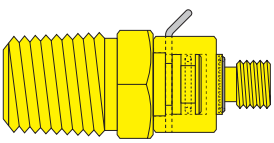


1/4RSWN-4-28-GT

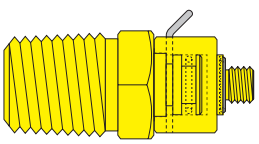


1/4RSWN-10-GT

O-Ring options available for straight threads!



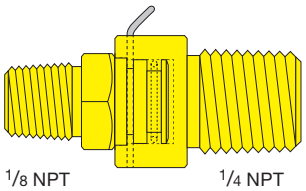
1/4RSWN-4-28-O-GT

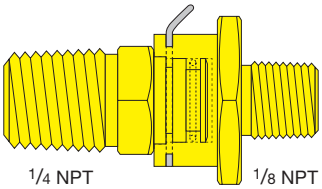


1/4RSWN-10-O-GT

Material options are listed on page 65!

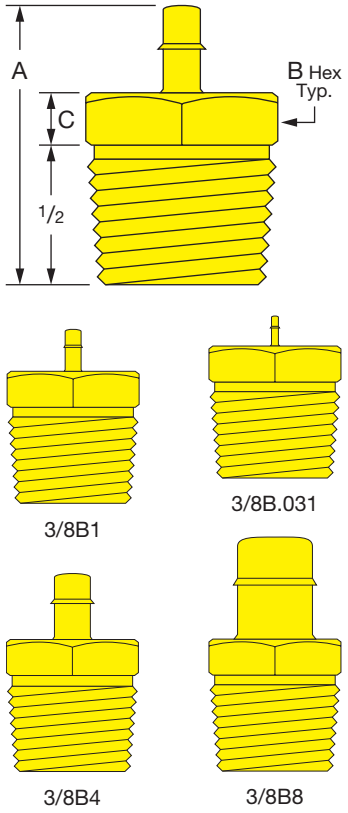
Other Swivel configurations available!





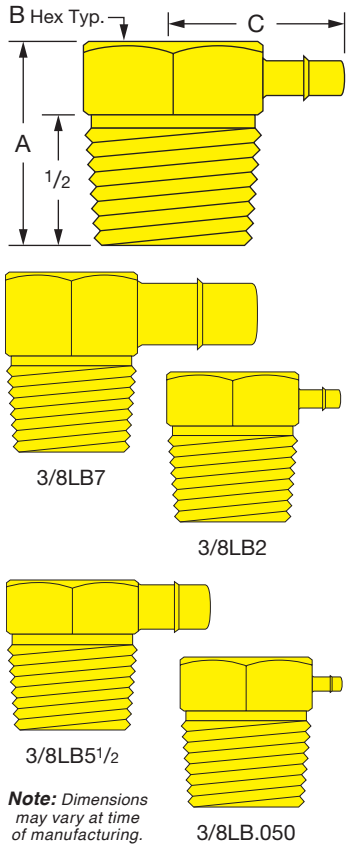
384 — 3/8 NPT Male Thread to Tube

Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	3/8B.031	3/8B.031-SS	3/8B.031-316SS	N/A	3/8B.031-NP	27/32	11/16	3/16
.040 / 1mm	3/8B.040	3/8B.040-SS	3/8B.040-316SS	N/A	3/8B.040-NP	27/32	11/16	3/16
3/64	3/8B.045	3/8B.045-SS	3/8B.045-316SS	N/A	3/8B.045-NP	27/32	11/16	3/16
.050	3/8B.050	3/8B.050-SS	3/8B.050-316SS	N/A	3/8B.050-NP	27/32	11/16	3/16
1/16	3/8B1	3/8B1-SS	3/8B1-316SS	3/8B1-AL	3/8B1-NP	29/32	11/16	3/16
5/64 / 2mm	3/8B2	3/8B2-SS	3/8B2-316SS	3/8B2-AL	3/8B2-NP	29/32	11/16	3/16
3/32	3/8B2 1/2	3/8B2 1/2-SS	3/8B2 1/2-316SS	3/8B2 1/2-AL	3/8B2 1/2-NP	29/32	11/16	3/16
1/8	3/8B3	3/8B3-SS	3/8B3-316SS	3/8B3-AL	3/8B3-NP	1	11/16	3/16
5/32 / 4mm	3/8B3 1/2	3/8B3 1/2-SS	3/8B3 1/2-316SS	3/8B3 1/2-AL	3/8B3 1/2-NP	1	11/16	3/16
.170	3/8B4	3/8B4-SS	3/8B4-316SS	3/8B4-AL	3/8B4-NP	1 1/32	11/16	3/16
3/16	3/8B5	3/8B5-SS	3/8B5-316SS	3/8B5-AL	3/8B5-NP	1 1/16	11/16	3/16
7/32	3/8B5 1/2	3/8B5 1/2-SS	3/8B5 1/2-316SS	3/8B5 1/2-AL	3/8B5 1/2-NP	1 1/16	11/16	3/16
6mm	3/8B5 3/4	3/8B5 3/4-SS	3/8B5 3/4-316SS	3/8B5 3/4-AL	3/8B5 3/4-NP	1 3/16	11/16	3/16
1/4	3/8B6	3/8B6-SS	3/8B6-316SS	3/8B6-AL	3/8B6-NP	1 3/16	11/16	3/16
5/16 / 8mm	3/8B7	3/8B7-SS	3/8B7-316SS	3/8B7-AL	3/8B7-NP	1 5/16	11/16	3/16
3/8	3/8B8	3/8B8-SS	3/8B8-316SS	3/8B8-AL	3/8B8-NP	1 7/32	11/16	3/16
1/2	3/8B10	3/8B10-SS	3/8B10-316SS	3/8B10-AL	3/8B10-NP	1 7/16	11/16	3/16



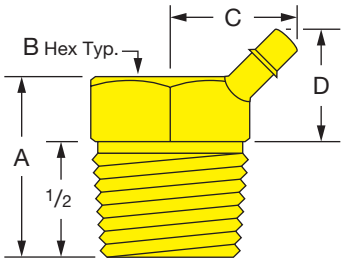
385 — 3/8 NPT Male Thread to Tube Elbows

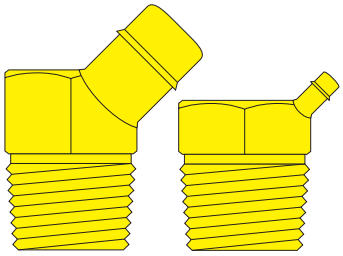
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	3/8LB.031	3/8LB.031-SS	3/8LB.031-316SS	3/8LB.031-NP	25/32	11/16	17/32
.040 / 1mm	3/8LB.040	3/8LB.040-SS	3/8LB.040-316SS	3/8LB.040-NP	25/32	11/16	17/32
3/64	3/8LB.045	3/8LB.045-SS	3/8LB.045-316SS	3/8LB.045-NP	25/32	11/16	17/32
.050	3/8LB.050	3/8LB.050-SS	3/8LB.050-316SS	3/8LB.050-NP	25/32	11/16	17/32
1/16	3/8LB1	3/8LB1-SS	3/8LB1-316SS	3/8LB1-NP	25/32	11/16	19/32
5/64 / 2mm	3/8LB2	3/8LB2-SS	3/8LB2-316SS	3/8LB2-NP	25/32	11/16	19/32
3/32	3/8LB2 1/2	3/8LB2 1/2-SS	3/8LB2 1/2-316SS	3/8LB2 1/2-NP	25/32	11/16	19/32
1/8	3/8LB3	3/8LB3-SS	3/8LB3-316SS	3/8LB3-NP	25/32	11/16	21/32
5/32 / 4mm	3/8LB3 1/2	3/8LB3 1/2-SS	3/8LB3 1/2-316SS	3/8LB3 1/2-NP	25/32	11/16	21/32
.170	3/8LB4	3/8LB4-SS	3/8LB4-316SS	3/8LB4-NP	25/32	11/16	11/16
3/16	3/8LB5	3/8LB5-SS	3/8LB5-316SS	3/8LB5-NP	25/32	11/16	23/32
7/32	3/8LB5 1/2	3/8LB5 1/2-SS	3/8LB5 1/2-316SS	3/8LB5 1/2-NP	25/32	11/16	23/32
6mm	3/8LB5 3/4	3/8LB5 3/4-SS	3/8LB5 3/4-316SS	3/8LB5 3/4-NP	15/16	11/16	27/32
1/4	3/8LB6	3/8LB6-SS	3/8LB6-316SS	3/8LB6-NP	15/16	11/16	27/32
5/16 / 8mm	3/8LB7	3/8LB7-SS	3/8LB7-316SS	3/8LB7-NP	15/16	11/16	29/32
3/8	3/8LB8	3/8LB8-SS	3/8LB8-316SS	3/8LB8-NP	15/16	11/16	7/8
1/2	3/8LB10	3/8LB10-SS	3/8LB10-316SS	3/8LB10-NP	1 1/8	11/16	1 1/32



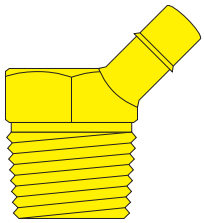
Note: *Dimensions may vary at time of manufacturing.*

3/8 NPT Male Thread to Tube 45° Elbows 386





3/8LB8-45° 3/8LB2 1/2-45°

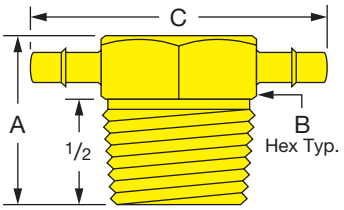


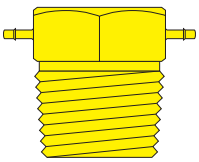
3/8LB5 3/4-45°

Note:
For systems that do not allow the degree symbol (°) to be used, substitute with 'DEG' in the part number.

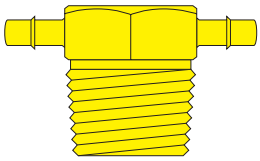
Tube ID	Part Numbers				Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/32	3/8LB.031-45°	3/8LB.031-45°-SS	3/8LB.031-45°-316SS	3/8LB.031-45°-NP	25/32	11/16	Consult Factory	Consult Factory
.040 / 1mm	3/8LB.040-45°	3/8LB.040-45°-SS	3/8LB.040-45°-316SS	3/8LB.040-45°-NP	25/32	11/16	Consult Factory	Consult Factory
3/64	3/8LB.045-45°	3/8LB.045-45°-SS	3/8LB.045-45°-316SS	3/8LB.045-45°-NP	25/32	11/16	Consult Factory	Consult Factory
.050	3/8LB.050-45°	3/8LB.050-45°-SS	3/8LB.050-45°-316SS	3/8LB.050-45°-NP	25/32	11/16	Consult Factory	Consult Factory
1/16	3/8LB1-45°	3/8LB1-45°-SS	3/8LB1-45°-316SS	3/8LB1-45°-NP	25/32	11/16	Consult Factory	Consult Factory
5/64 / 2mm	3/8LB2-45°	3/8LB2-45°-SS	3/8LB2-45°-316SS	3/8LB2-45°-NP	25/32	11/16	Consult Factory	Consult Factory
3/32	3/8LB2 1/2-45°	3/8LB2 1/2-45°-SS	3/8LB2 1/2-45°-316SS	3/8LB2 1/2-45°-NP	25/32	11/16	Consult Factory	Consult Factory
1/8	3/8LB3-45°	3/8LB3-45°-SS	3/8LB3-45°-316SS	3/8LB3-45°-NP	25/32	11/16	Consult Factory	Consult Factory
5/32 / 4mm	3/8LB3 1/2-45°	3/8LB3 1/2-45°-SS	3/8LB3 1/2-45°-316SS	3/8LB3 1/2-45°-NP	25/32	11/16	Consult Factory	Consult Factory
.170	3/8LB4-45°	3/8LB4-45°-SS	3/8LB4-45°-316SS	3/8LB4-45°-NP	25/32	11/16	Consult Factory	Consult Factory
3/16	3/8LB5-45°	3/8LB5-45°-SS	3/8LB5-45°-316SS	3/8LB5-45°-NP	25/32	11/16	Consult Factory	Consult Factory
7/32	3/8LB5 1/2-45°	3/8LB5 1/2-45°-SS	3/8LB5 1/2-45°-316SS	3/8LB5 1/2-45°-NP	25/32	11/16	Consult Factory	Consult Factory
6mm	3/8LB5 3/4-45°	3/8LB5 3/4-45°-SS	3/8LB5 3/4-45°-316SS	3/8LB5 3/4-45°-NP	15/16	11/16	Consult Factory	Consult Factory
1/4	3/8LB6-45°	3/8LB6-45°-SS	3/8LB6-45°-316SS	3/8LB6-45°-NP	15/16	11/16	Consult Factory	Consult Factory
5/16 / 8mm	3/8LB7-45°	3/8LB7-45°-SS	3/8LB7-45°-316SS	3/8LB7-45°-NP	15/16	11/16	Consult Factory	Consult Factory
3/8	3/8LB8-45°	3/8LB8-45°-SS	3/8LB8-45°-316SS	3/8LB8-45°-NP	15/16	11/16	Consult Factory	Consult Factory
1/2	3/8LB10-45°	3/8LB10-45°-SS	3/8LB10-45°-316SS	3/8LB10-45°-NP	1 1/8	11/16	Consult Factory	Consult Factory

3/8 NPT Male Thread to Tube Tees 387

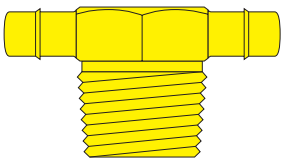




3/8T.040



3/8T3

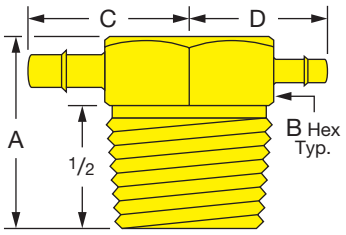


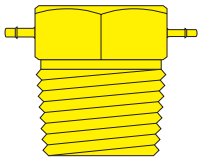
3/8T5 1/2

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	3/8T.031	3/8T.031-SS	3/8T.031-316SS	3/8T.031-NP	25/32	11/16	1 1/16
.040 / 1mm	3/8T.040	3/8T.040-SS	3/8T.040-316SS	3/8T.040-NP	25/32	11/16	1 1/16
3/64	3/8T.045	3/8T.045-SS	3/8T.045-316SS	3/8T.045-NP	25/32	11/16	1 1/16
.050	3/8T.050	3/8T.050-SS	3/8T.050-316SS	3/8T.050-NP	25/32	11/16	1 1/16
1/16	3/8T1	3/8T1-SS	3/8T1-316SS	3/8T1-NP	25/32	11/16	1 3/16
5/64 / 2mm	3/8T2	3/8T2-SS	3/8T2-316SS	3/8T2-NP	25/32	11/16	1 3/16
3/32	3/8T2 1/2	3/8T2 1/2-SS	3/8T2 1/2-316SS	3/8T2 1/2-NP	25/32	11/16	1 3/16
1/8	3/8T3	3/8T3-SS	3/8T3-316SS	3/8T3-NP	25/32	11/16	1 5/16
5/32 / 4mm	3/8T3 1/2	3/8T3 1/2-SS	3/8T3 1/2-316SS	3/8T3 1/2-NP	25/32	11/16	1 5/16
.170	3/8T4	3/8T4-SS	3/8T4-316SS	3/8T4-NP	25/32	11/16	1 3/8
3/16	3/8T5	3/8T5-SS	3/8T5-316SS	3/8T5-NP	25/32	11/16	1 7/16
7/32	3/8T5 1/2	3/8T5 1/2-SS	3/8T5 1/2-316SS	3/8T5 1/2-NP	25/32	11/16	1 7/16
6mm	3/8T5 3/4	3/8T5 3/4-SS	3/8T5 3/4-316SS	3/8T5 3/4-NP	15/16	11/16	1 11/16
1/4	3/8T6	3/8T6-SS	3/8T6-316SS	3/8T6-NP	15/16	11/16	1 11/16
5/16 / 8mm	3/8T7	3/8T7-SS	3/8T7-316SS	3/8T7-NP	15/16	11/16	1 13/16
3/8	3/8T8	3/8T8-SS	3/8T8-316SS	3/8T8-NP	15/16	11/16	1 3/4
1/2	3/8T10	3/8T10-SS	3/8T10-316SS	3/8T10-NP	1 1/8	11/16	2 1/16

388 3/8 NPT Male Thread to Tube Reducing Tees

Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
.040 / 1mm	1/32	3/8RT.040-.031	3/8RT.040-.031-SS	3/8RT.040-.031-316SS	3/8RT.040-.031-NP	25/32	11/16	17/32	17/32
3/64	1/32	3/8RT.045-.031	3/8RT.045-.031-SS	3/8RT.045-.031-316SS	3/8RT.045-.031-NP	25/32	11/16	17/32	17/32
3/64	.040 / 1mm	3/8RT.045-.040	3/8RT.045-.040-SS	3/8RT.045-.040-316SS	3/8RT.045-.040-NP	25/32	11/16	17/32	17/32
.050	1/32	3/8RT.050-.031	3/8RT.050-.031-SS	3/8RT.050-.031-316SS	3/8RT.050-.031-NP	25/32	11/16	17/32	17/32
.050	.040 / 1mm	3/8RT.050-.040	3/8RT.050-.040-SS	3/8RT.050-.040-316SS	3/8RT.050-.040-NP	25/32	11/16	17/32	17/32
.050	1/64	3/8RT.050-.045	3/8RT.050-.045-SS	3/8RT.050-.045-316SS	3/8RT.050-.045-NP	25/32	11/16	17/32	17/32
1/16	1/32	3/8RT1-.031	3/8RT1-.031-SS	3/8RT1-.031-316SS	3/8RT1-.031-NP	25/32	11/16	19/32	17/32
1/16	.040 / 1mm	3/8RT1-.040	3/8RT1-.040-SS	3/8RT1-.040-316SS	3/8RT1-.040-NP	25/32	11/16	19/32	17/32
1/16	3/64	3/8RT1-.045	3/8RT1-.045-SS	3/8RT1-.045-316SS	3/8RT1-.045-NP	25/32	11/16	19/32	17/32
1/16	.050	3/8RT1-.050	3/8RT1-.050-SS	3/8RT1-.050-316SS	3/8RT1-.050-NP	25/32	11/16	19/32	17/32
5/64 / 2mm	1/32	3/8RT2-.031	3/8RT2-.031-SS	3/8RT2-.031-316SS	3/8RT2-.031-NP	25/32	11/16	19/32	17/32
5/64 / 2mm	.040 / 1mm	3/8RT2-.040	3/8RT2-.040-SS	3/8RT2-.040-316SS	3/8RT2-.040-NP	25/32	11/16	19/32	17/32
5/64 / 2mm	3/64	3/8RT2-.045	3/8RT2-.045-SS	3/8RT2-.045-316SS	3/8RT2-.045-NP	25/32	11/16	19/32	17/32
5/64 / 2mm	.050	3/8RT2-.050	3/8RT2-.050-SS	3/8RT2-.050-316SS	3/8RT2-.050-NP	25/32	11/16	19/32	17/32
5/64 / 2mm	1/16	3/8RT2-1	3/8RT2-1-SS	3/8RT2-1-316SS	3/8RT2-1-NP	25/32	11/16	19/32	19/32
3/32	1/32	3/8RT2 1/2-.031	3/8RT2 1/2-.031-SS	3/8RT2 1/2-.031-316SS	3/8RT2 1/2-.031-NP	25/32	11/16	19/32	17/32
3/32	.040 / 1mm	3/8RT2 1/2-.040	3/8RT2 1/2-.040-SS	3/8RT2 1/2-.040-316SS	3/8RT2 1/2-.040-NP	25/32	11/16	19/32	17/32
3/32	3/64	3/8RT2 1/2-.045	3/8RT2 1/2-.045-SS	3/8RT2 1/2-.045-316SS	3/8RT2 1/2-.045-NP	25/32	11/16	19/32	17/32
3/32	.050	3/8RT2 1/2-.050	3/8RT2 1/2-.050-SS	3/8RT2 1/2-.050-316SS	3/8RT2 1/2-.050-NP	25/32	11/16	19/32	17/32
3/32	1/16	3/8RT2 1/2-1	3/8RT2 1/2-1-SS	3/8RT2 1/2-1-316SS	3/8RT2 1/2-1-NP	25/32	11/16	19/32	19/32
3/32	5/64 / 2mm	3/8RT2 1/2-2	3/8RT2 1/2-2-SS	3/8RT2 1/2-2-316SS	3/8RT2 1/2-2-NP	25/32	11/16	19/32	19/32
1/8	1/32	3/8RT3-.031	3/8RT3-.031-SS	3/8RT3-.031-316SS	3/8RT3-.031-NP	25/32	11/16	21/32	17/32
1/8	.040 / 1mm	3/8RT3-.040	3/8RT3-.040-SS	3/8RT3-.040-316SS	3/8RT3-.040-NP	25/32	11/16	21/32	17/32
1/8	3/64	3/8RT3-.045	3/8RT3-.045-SS	3/8RT3-.045-316SS	3/8RT3-.045-NP	25/32	11/16	21/32	17/32
1/8	.050	3/8RT3-.050	3/8RT3-.050-SS	3/8RT3-.050-316SS	3/8RT3-.050-NP	25/32	11/16	21/32	17/32
1/8	1/16	3/8RT3-1	3/8RT3-1-SS	3/8RT3-1-316SS	3/8RT3-1-NP	25/32	11/16	21/32	19/32
1/8	5/64 / 2mm	3/8RT3-2	3/8RT3-2-SS	3/8RT3-2-316SS	3/8RT3-2-NP	25/32	11/16	21/32	19/32
1/8	3/32	3/8RT3-2 1/2	3/8RT3-2 1/2-SS	3/8RT3-2 1/2-316SS	3/8RT3-2 1/2-NP	25/32	11/16	21/32	19/32
5/32	1/32	3/8RT3 1/2-.031	3/8RT3 1/2-.031-SS	3/8RT3 1/2-.031-316SS	3/8RT3 1/2-.031-NP	25/32	11/16	21/32	17/32
5/32	.040 / 1mm	3/8RT3 1/2-.040	3/8RT3 1/2-.040-SS	3/8RT3 1/2-.040-316SS	3/8RT3 1/2-.040-NP	25/32	11/16	21/32	17/32
5/32	3/64	3/8RT3 1/2-.045	3/8RT3 1/2-.045-SS	3/8RT3 1/2-.045-316SS	3/8RT3 1/2-.045-NP	25/32	11/16	21/32	17/32
5/32	.050	3/8RT3 1/2-.050	3/8RT3 1/2-.050-SS	3/8RT3 1/2-.050-316SS	3/8RT3 1/2-.050-NP	25/32	11/16	21/32	17/32
5/32	1/16	3/8RT3 1/2-1	3/8RT3 1/2-1-SS	3/8RT3 1/2-1-316SS	3/8RT3 1/2-1-NP	25/32	11/16	21/32	19/32
5/32	5/64 / 2mm	3/8RT3 1/2-2	3/8RT3 1/2-2-SS	3/8RT3 1/2-2-316SS	3/8RT3 1/2-2-NP	25/32	11/16	21/32	19/32
5/32	3/32	3/8RT3 1/2-2 1/2	3/8RT3 1/2-2 1/2-SS	3/8RT3 1/2-2 1/2-316SS	3/8RT3 1/2-2 1/2-NP	25/32	11/16	21/32	19/32
5/32	1/8	3/8RT3 1/2-3	3/8RT3 1/2-3-SS	3/8RT3 1/2-3-316SS	3/8RT3 1/2-3-NP	25/32	11/16	21/32	21/32

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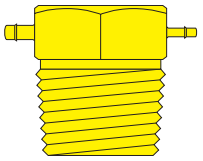
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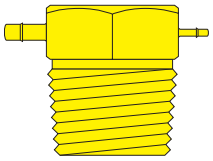
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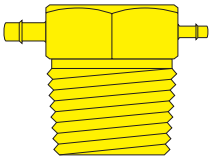
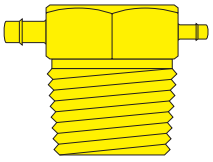

3/8RT2-.045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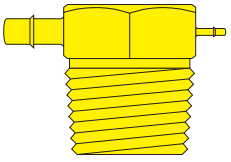
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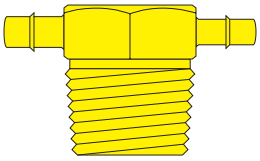
3/8RT3 1/2-3

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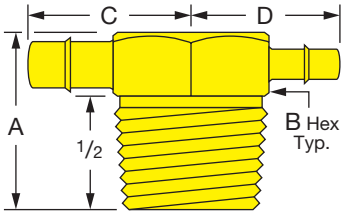
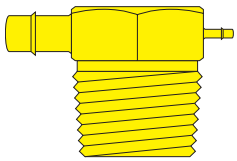
3/8 NPT Male Thread to Tube Reducing Tees (continued) 389

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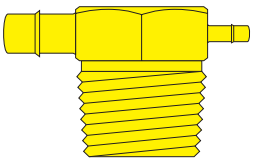
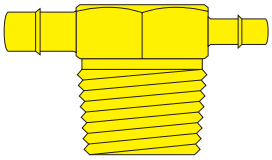
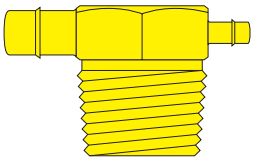
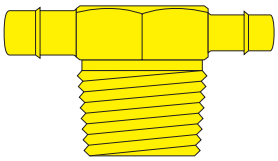
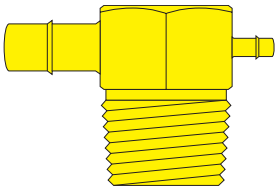
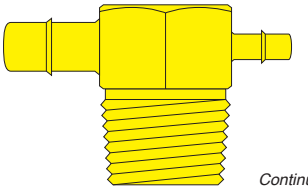

3/8RT5-1


3/8RT5-3


3/8RT5$^{1}/_{2}$-2$^{1}/_{2}$


3/8RT5$^{1}/_{2}$-4


3/8RT5$^{3}/_{4}$-2


3/8RT6-3

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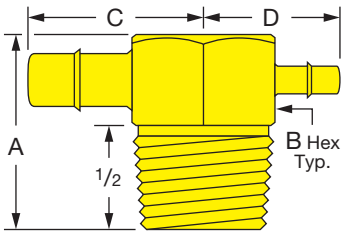
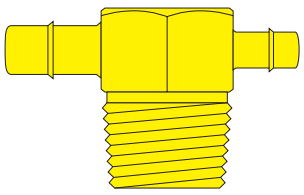
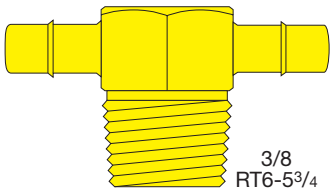
Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
.170	1/32	3/8RT4-.031	3/8RT4-.031-SS	3/8RT4-.031-316SS	3/8RT4-.031-NP	25/32	11/16	11/16	17/32
.170	.040 / 1mm	3/8RT4-.040	3/8RT4-.040-SS	3/8RT4-.040-316SS	3/8RT4-.040-NP	25/32	11/16	11/16	17/32
.170	3/64	3/8RT4-.045	3/8RT4-.045-SS	3/8RT4-.045-316SS	3/8RT4-.045-NP	25/32	11/16	11/16	17/32
.170	.050	3/8RT4-.050	3/8RT4-.050-SS	3/8RT4-.050-316SS	3/8RT4-.050-NP	25/32	11/16	11/16	17/32
.170	1/16	3/8RT4-1	3/8RT4-1-SS	3/8RT4-1-316SS	3/8RT4-1-NP	25/32	11/16	11/16	19/32
.170	5/64 / 2mm	3/8RT4-2	3/8RT4-2-SS	3/8RT4-2-316SS	3/8RT4-2-NP	25/32	11/16	11/16	19/32
.170	3/32	3/8RT4-2$^{1}/_{2}$	3/8RT4-2$^{1}/_{2}$-SS	3/8RT4-2$^{1}/_{2}$-316SS	3/8RT4-2$^{1}/_{2}$-NP	25/32	11/16	11/16	19/32
.170	1/8	3/8RT4-3	3/8RT4-3-SS	3/8RT4-3-316SS	3/8RT4-3-NP	25/32	11/16	11/16	21/32
.170	5/32 / 4mm	3/8RT4-3$^{1}/_{2}$	3/8RT4-3$^{1}/_{2}$-SS	3/8RT4-3$^{1}/_{2}$-316SS	3/8RT4-3$^{1}/_{2}$-NP	25/32	11/16	11/16	21/32
3/16	1/32	3/8RT5-.031	3/8RT5-.031-SS	3/8RT5-.031-316SS	3/8RT5-.031-NP	25/32	11/16	23/32	17/32
3/16	.040 / 1mm	3/8RT5-.040	3/8RT5-.040-SS	3/8RT5-.040-316SS	3/8RT5-.040-NP	25/32	11/16	23/32	17/32
3/16	3/64	3/8RT5-.045	3/8RT5-.045-SS	3/8RT5-.045-316SS	3/8RT5-.045-NP	25/32	11/16	23/32	17/32
3/16	.050	3/8RT5-.050	3/8RT5-.050-SS	3/8RT5-.050-316SS	3/8RT5-.050-NP	25/32	11/16	23/32	17/32
3/16	1/16	3/8RT5-1	3/8RT5-1-SS	3/8RT5-1-316SS	3/8RT5-1-NP	25/32	11/16	23/32	19/32
3/16	5/64 / 2mm	3/8RT5-2	3/8RT5-2-SS	3/8RT5-2-316SS	3/8RT5-2-NP	25/32	11/16	23/32	19/32
3/16	3/32	3/8RT5-2$^{1}/_{2}$	3/8RT5-2$^{1}/_{2}$-SS	3/8RT5-2$^{1}/_{2}$-316SS	3/8RT5-2$^{1}/_{2}$-NP	25/32	11/16	23/32	19/32
3/16	1/8	3/8RT5-3	3/8RT5-3-SS	3/8RT5-3-316SS	3/8RT5-3-NP	25/32	11/16	23/32	21/32
3/16	5/32 / 4mm	3/8RT5-3$^{1}/_{2}$	3/8RT5-3$^{1}/_{2}$-SS	3/8RT5-3$^{1}/_{2}$-316SS	3/8RT5-3$^{1}/_{2}$-NP	25/32	11/16	23/32	21/32
3/16	.170	3/8RT5-4	3/8RT5-4-SS	3/8RT5-4-316SS	3/8RT5-4-NP	25/32	11/16	23/32	11/16
7/32	1/16	3/8RT5$^{1}/_{2}$-1	3/8RT5$^{1}/_{2}$-1-SS	3/8RT5$^{1}/_{2}$-1-316SS	3/8RT5$^{1}/_{2}$-1-NP	25/32	11/16	23/32	19/32
7/32	5/64 / 2mm	3/8RT5$^{1}/_{2}$-2	3/8RT5$^{1}/_{2}$-2-SS	3/8RT5$^{1}/_{2}$-2-316SS	3/8RT5$^{1}/_{2}$-2-NP	25/32	11/16	23/32	19/32
7/32	3/32	3/8RT5$^{1}/_{2}$-2$^{1}/_{2}$	3/8RT5$^{1}/_{2}$-2$^{1}/_{2}$-SS	3/8RT5$^{1}/_{2}$-2$^{1}/_{2}$-316SS	3/8RT5$^{1}/_{2}$-2$^{1}/_{2}$-NP	25/32	11/16	23/32	19/32
7/32	1/8	3/8RT5$^{1}/_{2}$-3	3/8RT5$^{1}/_{2}$-3-SS	3/8RT5$^{1}/_{2}$-3-316SS	3/8RT5$^{1}/_{2}$-3-NP	25/32	11/16	23/32	21/32
7/32	5/32 / 4mm	3/8RT5$^{1}/_{2}$-3$^{1}/_{2}$	3/8RT5$^{1}/_{2}$-3$^{1}/_{2}$-SS	3/8RT5$^{1}/_{2}$-3$^{1}/_{2}$-316SS	3/8RT5$^{1}/_{2}$-3$^{1}/_{2}$-NP	25/32	11/16	23/32	21/32
7/32	.170	3/8RT5$^{1}/_{2}$-4	3/8RT5$^{1}/_{2}$-4-SS	3/8RT5$^{1}/_{2}$-4-316SS	3/8RT5$^{1}/_{2}$-4-NP	25/32	11/16	23/32	11/16
7/32	3/16	3/8RT5$^{1}/_{2}$-5	3/8RT5$^{1}/_{2}$-5-SS	3/8RT5$^{1}/_{2}$-5-316SS	3/8RT5$^{1}/_{2}$-5-NP	25/32	11/16	23/32	23/32
6mm	1/16	3/8RT5$^{3}/_{4}$-1	3/8RT5$^{3}/_{4}$-1-SS	3/8RT5$^{3}/_{4}$-1-316SS	3/8RT5$^{3}/_{4}$-1-NP	25/32	11/16	27/32	19/32
6mm	5/64 / 2mm	3/8RT5$^{3}/_{4}$-2	3/8RT5$^{3}/_{4}$-2-SS	3/8RT5$^{3}/_{4}$-2-316SS	3/8RT5$^{3}/_{4}$-2-NP	25/32	11/16	27/32	19/32
6mm	3/32	3/8RT5$^{3}/_{4}$-2$^{1}/_{2}$	3/8RT5$^{3}/_{4}$-2$^{1}/_{2}$-SS	3/8RT5$^{3}/_{4}$-2$^{1}/_{2}$-316SS	3/8RT5$^{3}/_{4}$-2$^{1}/_{2}$-NP	15/16	11/16	27/32	19/32
6mm	1/8	3/8RT5$^{3}/_{4}$-3	3/8RT5$^{3}/_{4}$-3-SS	3/8RT5$^{3}/_{4}$-3-316SS	3/8RT5$^{3}/_{4}$-3-NP	15/16	11/16	27/32	21/32
6mm	5/32 / 4mm	3/8RT5$^{3}/_{4}$-3$^{1}/_{2}$	3/8RT5$^{3}/_{4}$-3$^{1}/_{2}$-SS	3/8RT5$^{3}/_{4}$-3$^{1}/_{2}$-316SS	3/8RT5$^{3}/_{4}$-3$^{1}/_{2}$-NP	15/16	11/16	27/32	21/32
6mm	.170	3/8RT5$^{3}/_{4}$-4	3/8RT5$^{3}/_{4}$-4-SS	3/8RT5$^{3}/_{4}$-4-316SS	3/8RT5$^{3}/_{4}$-4-NP	15/16	11/16	27/32	11/16
6mm	3/16	3/8RT5$^{3}/_{4}$-5	3/8RT5$^{3}/_{4}$-5-SS	3/8RT5$^{3}/_{4}$-5-316SS	3/8RT5$^{3}/_{4}$-5-NP	15/16	11/16	27/32	23/32
6mm	7/32	3/8RT5$^{3}/_{4}$-5$^{1}/_{2}$	3/8RT5$^{3}/_{4}$-5$^{1}/_{2}$-SS	3/8RT5$^{3}/_{4}$-5$^{1}/_{2}$-316SS	3/8RT5$^{3}/_{4}$-5$^{1}/_{2}$-NP	15/16	11/16	27/32	23/32
1/4	1/16	3/8RT6-1	3/8RT6-1-SS	3/8RT6-1-316SS	3/8RT6-1-NP	15/16	11/16	27/32	19/32
1/4	5/64 / 2mm	3/8RT6-2	3/8RT6-2-SS	3/8RT6-2-316SS	3/8RT6-2-NP	15/16	11/16	27/32	19/32
1/4	3/32	3/8RT6-2$^{1}/_{2}$	3/8RT6-2$^{1}/_{2}$-SS	3/8RT6-2$^{1}/_{2}$-316SS	3/8RT6-2$^{1}/_{2}$-NP	15/16	11/16	27/32	19/32
1/4	1/8	3/8RT6-3	3/8RT6-3-SS	3/8RT6-3-316SS	3/8RT6-3-NP	15/16	11/16	27/32	21/32

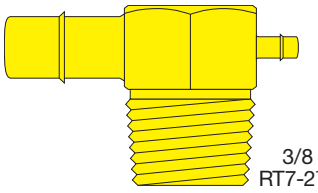
390 3/8 NPT Male Thread to Tube Reducing Tees (continued)

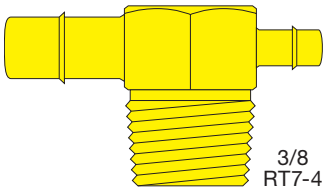
Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/4	5/32 / 4mm	3/8RT6-3 1/2	3/8RT6-3 1/2-SS	3/8RT6-3 1/2-316SS	3/8RT6-3 1/2-NP	15/16	11/16	27/32	21/32
1/4	.170	3/8RT6-4	3/8RT6-4-SS	3/8RT6-4-316SS	3/8RT6-4-NP	15/16	11/16	27/32	11/16
1/4	3/16	3/8RT6-5	3/8RT6-5-SS	3/8RT6-5-316SS	3/8RT6-5-NP	15/16	11/16	27/32	23/32
1/4	7/32	3/8RT6-5 1/2	3/8RT6-5 1/2-SS	3/8RT6-5 1/2-316SS	3/8RT6-5 1/2-NP	15/16	11/16	27/32	23/32
1/4	6mm	3/8RT6-5 3/4	3/8RT6-5 3/4-SS	3/8RT6-5 3/4-316SS	3/8RT6-5 3/4-NP	15/16	11/16	27/32	27/32
5/16 / 8mm	1/16	3/8RT7-1	3/8RT7-1-SS	3/8RT7-1-316SS	3/8RT7-1-NP	15/16	11/16	29/32	19/32
5/16 / 8mm	5/64 / 2mm	3/8RT7-2	3/8RT7-2-SS	3/8RT7-2-316SS	3/8RT7-2-NP	15/16	11/16	29/32	19/32
5/16 / 8mm	3/32	3/8RT7-2 1/2	3/8RT7-2 1/2-SS	3/8RT7-2 1/2-316SS	3/8RT7-2 1/2-NP	15/16	11/16	29/32	19/32
5/16 / 8mm	1/8	3/8RT7-3	3/8RT7-3-SS	3/8RT7-3-316SS	3/8RT7-3-NP	15/16	11/16	29/32	21/32
5/16 / 8mm	5/32 / 4mm	3/8RT7-3 1/2	3/8RT7-3 1/2-SS	3/8RT7-3 1/2-316SS	3/8RT7-3 1/2-NP	15/16	11/16	29/32	21/32
5/16 / 8mm	.170	3/8RT7-4	3/8RT7-4-SS	3/8RT7-4-316SS	3/8RT7-4-NP	15/16	11/16	29/32	11/16
5/16 / 8mm	3/16	3/8RT7-5	3/8RT7-5-SS	3/8RT7-5-316SS	3/8RT7-5-NP	15/16	11/16	29/32	23/32
5/16 / 8mm	7/32	3/8RT7-5 1/2	3/8RT7-5 1/2-SS	3/8RT7-5 1/2-316SS	3/8RT7-5 1/2-NP	15/16	11/16	29/32	23/32
5/16 / 8mm	6mm	3/8RT7-5 3/4	3/8RT7-5 3/4-SS	3/8RT7-5 3/4-316SS	3/8RT7-5 3/4-NP	15/16	11/16	29/32	27/32
5/16 / 8mm	1/4	3/8RT7-6	3/8RT7-6-SS	3/8RT7-6-316SS	3/8RT7-6-NP	15/16	11/16	29/32	27/32
3/8	1/16	3/8RT8-1	3/8RT8-1-SS	3/8RT8-1-316SS	3/8RT8-1-NP	15/16	11/16	7/8	19/32
3/8	5/64 / 2mm	3/8RT8-2	3/8RT8-2-SS	3/8RT8-2-316SS	3/8RT8-2-NP	15/16	11/16	7/8	19/32
3/8	3/32	3/8RT8-2 1/2	3/8RT8-2 1/2-SS	3/8RT8-2 1/2-316SS	3/8RT8-2 1/2-NP	15/16	11/16	7/8	19/32
3/8	1/8	3/8RT8-3	3/8RT8-3-SS	3/8RT8-3-316SS	3/8RT8-3-NP	15/16	11/16	7/8	21/32
3/8	5/32 / 4mm	3/8RT8-3 1/2	3/8RT8-3 1/2-SS	3/8RT8-3 1/2-316SS	3/8RT8-3 1/2-NP	15/16	11/16	7/8	21/32
3/8	.170	3/8RT8-4	3/8RT8-4-SS	3/8RT8-4-316SS	3/8RT8-4-NP	15/16	11/16	7/8	11/16
3/8	3/16	3/8RT8-5	3/8RT8-5-SS	3/8RT8-5-316SS	3/8RT8-5-NP	15/16	11/16	7/8	23/32
3/8	7/32	3/8RT8-5 1/2	3/8RT8-5 1/2-SS	3/8RT8-5 1/2-316SS	3/8RT8-5 1/2-NP	15/16	11/16	7/8	23/32
3/8	6mm	3/8RT8-5 3/4	3/8RT8-5 3/4-SS	3/8RT8-5 3/4-316SS	3/8RT8-5 3/4-NP	15/16	11/16	7/8	27/32
3/8	1/4	3/8RT8-6	3/8RT8-6-SS	3/8RT8-6-316SS	3/8RT8-6-NP	15/16	11/16	7/8	27/32
3/8	5/16 / 8mm	3/8RT8-7	3/8RT8-7-SS	3/8RT8-7-316SS	3/8RT8-7-NP	15/16	11/16	7/8	29/32
1/2	1/16	3/8RT10-1	3/8RT10-1-SS	3/8RT10-1-316SS	3/8RT10-1-NP	1 1/8	11/16	1 1/32	19/32
1/2	5/64 / 2mm	3/8RT10-2	3/8RT10-2-SS	3/8RT10-2-316SS	3/8RT10-2-NP	1 1/8	11/16	1 1/32	19/32
1/2	3/32	3/8RT10-2 1/2	3/8RT10-2 1/2-SS	3/8RT10-2 1/2-316SS	3/8RT10-2 1/2-NP	1 1/8	11/16	1 1/32	19/32
1/2	1/8	3/8RT10-3	3/8RT10-3-SS	3/8RT10-3-316SS	3/8RT10-3-NP	1 1/8	11/16	1 1/32	21/32
1/2	5/32 / 4mm	3/8RT10-3 1/2	3/8RT10-3 1/2-SS	3/8RT10-3 1/2-316SS	3/8RT10-3 1/2-NP	1 1/8	11/16	1 1/32	21/32
1/2	.170	3/8RT10-4	3/8RT10-4-SS	3/8RT10-4-316SS	3/8RT10-4-NP	1 1/8	11/16	1 1/32	11/16
1/2	3/16	3/8RT10-5	3/8RT10-5-SS	3/8RT10-5-316SS	3/8RT10-5-NP	1 1/8	11/16	1 1/32	23/32
1/2	7/32	3/8RT10-5 1/2	3/8RT10-5 1/2-SS	3/8RT10-5 1/2-316SS	3/8RT10-5 1/2-NP	1 1/8	11/16	1 1/32	23/32
1/2	6mm	3/8RT10-5 3/4	3/8RT10-5 3/4-SS	3/8RT10-5 3/4-316SS	3/8RT10-5 3/4-NP	1 1/8	11/16	1 1/32	27/32
1/2	1/4	3/8RT10-6	3/8RT10-6-SS	3/8RT10-6-316SS	3/8RT10-6-NP	1 1/8	11/16	1 1/32	27/32
1/2	5/16 / 8mm	3/8RT10-7	3/8RT10-7-SS	3/8RT10-7-316SS	3/8RT10-7-NP	1 1/8	11/16	1 1/32	29/32
1/2	3/8	3/8RT10-8	3/8RT10-8-SS	3/8RT10-8-316SS	3/8RT10-8-NP	1 1/8	11/16	1 1/32	7/8

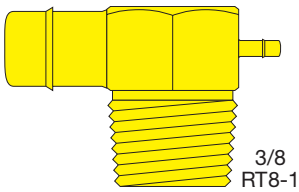


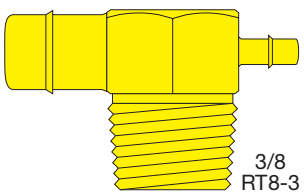

3/8RT6-4

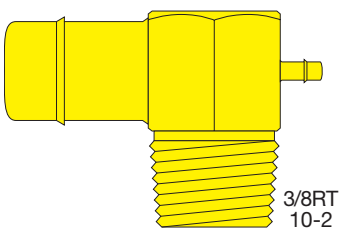

3/8 RT6-5 3/4


3/8 RT7-2 1/2


3/8 RT7-4


3/8 RT8-1

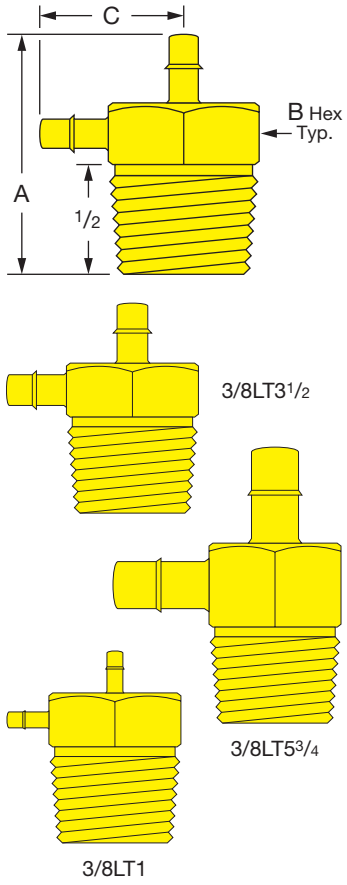

3/8 RT8-3


3/8RT 10-2

Note:
Dimensions may vary at time of manufacturing.

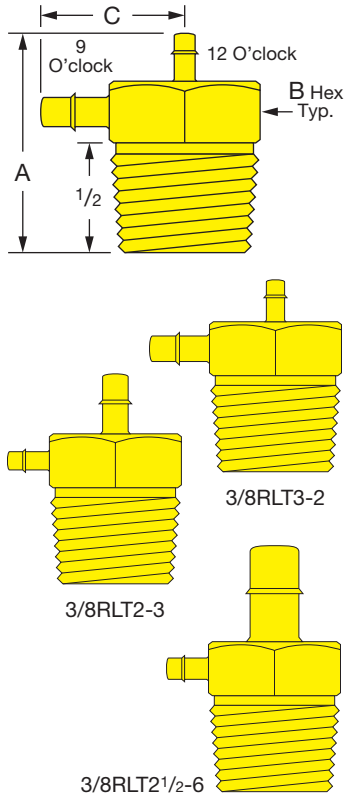
O

3/8 NPT Male Thread to Tube L-Tees 391



Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	3/8LT.031	3/8LT.031-SS	3/8LT.031-316SS	3/8LT.031-NP	15/16	11/16	17/32
.040 / 1mm	3/8LT.040	3/8LT.040-SS	3/8LT.040-316SS	3/8LT.040-NP	15/16	11/16	17/32
3/64	3/8LT.045	3/8LT.045-SS	3/8LT.045-316SS	3/8LT.045-NP	15/16	11/16	17/32
.050	3/8LT.050	3/8LT.050-SS	3/8LT.050-316SS	3/8LT.050-NP	15/16	11/16	17/32
1/16	3/8LT1	3/8LT1-SS	3/8LT1-316SS	3/8LT1-NP	1	11/16	19/32
5/64 / 2mm	3/8LT2	3/8LT2-SS	3/8LT2-316SS	3/8LT2-NP	1	11/16	19/32
3/32	3/8LT2 1/2	3/8LT2 1/2-SS	3/8LT2 1/2-316SS	3/8LT2 1/2-NP	1	11/16	19/32
1/8	3/8LT3	3/8LT3-SS	3/8LT3-316SS	3/8LT3-NP	1 3/32	11/16	21/32
5/32 / 4mm	3/8LT3 1/2	3/8LT3 1/2-SS	3/8LT3 1/2-316SS	3/8LT3 1/2-NP	1 3/32	11/16	21/32
.170	3/8LT4	3/8LT4-SS	3/8LT4-316SS	3/8LT4-NP	1 3/32	11/16	11/16
3/16	3/8LT5	3/8LT5-SS	3/8LT5-316SS	3/8LT5-NP	1 5/32	11/16	23/32
7/32	3/8LT5 1/2	3/8LT5 1/2-SS	3/8LT5 1/2-316SS	3/8LT5 1/2-NP	1 5/32	11/16	23/32
6mm	3/8LT5 3/4	3/8LT5 3/4-SS	3/8LT5 3/4-316SS	3/8LT5 3/4-NP	1 7/8	11/16	27/32
1/4	3/8LT6	3/8LT6-SS	3/8LT6-316SS	3/8LT6-NP	1 7/8	11/16	27/32
5/16 / 8mm	3/8LT7	3/8LT7-SS	3/8LT7-316SS	3/8LT7-NP	1 11/16	11/16	29/32
3/8	3/8LT8	3/8LT8-SS	3/8LT8-316SS	3/8LT8-NP	1 15/32	11/16	7/8
1/2	3/8LT10	3/8LT10-SS	3/8LT10-316SS	3/8LT10-NP	1 7/8	11/16	1 1/32

3/8 NPT Male Thread to Tube Reducing L-Tees 392



Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/32	.031	Consult Factory	11/16	17/32
.040 / 1mm	.040		11/16	17/32
3/64	.045		11/16	17/32
.050	.050		11/16	17/32
1/16	1		11/16	19/32
5/64 / 2mm	2		11/16	19/32
3/32	2 1/2		11/16	19/32
1/8	3		11/16	21/32
5/32 / 4mm	3 1/2		11/16	21/32

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
.170	4	Consult Factory	11/16	11/16
3/16	5		11/16	23/32
7/32	5 1/2		11/16	23/32
6mm	5 3/4		11/16	27/32
1/4	6		11/16	27/32
5/16 / 8mm	7		11/16	29/32
3/8	8		11/16	7/8
1/2	10		11/16	1 1/32

Note: *Images are for visual representation only; not intended for dimensional measurements. Consult factory for details!*

Part Numbers for 3/8 Male Thread to Tube Reducing L-Tees:

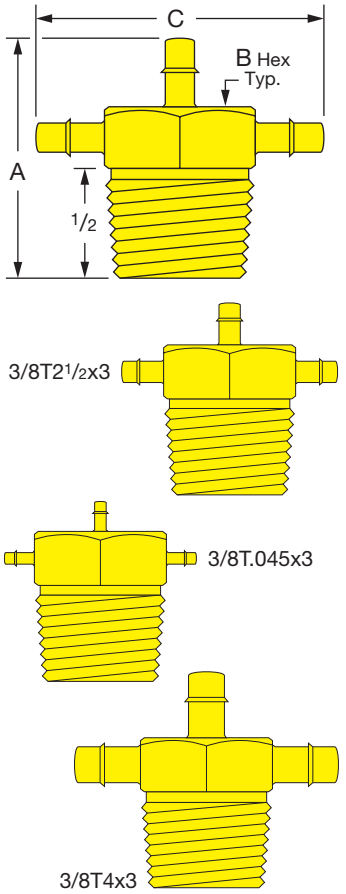
Thread Size → **3/8** **RLT** **#** - **#** ← 12 O'clock Branch #

Fitting Series ↑ ↑ 9 O'clock Branch #

Unless otherwise specified, parts will be Brass. To order other materials, use the following codes:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

393 — 3/8 NPT Male Thread to Tube Tees x 3

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	3/8T.031x3	3/8T.031x3-SS	3/8T.031x3-316SS	3/8T.031x3-NP	15/16	11/16	1 1/16
.040 / 1mm	3/8T.040x3	3/8T.040x3-SS	3/8T.040x3-316SS	3/8T.040x3-NP	15/16	11/16	1 1/16
3/64	3/8T.045x3	3/8T.045x3-SS	3/8T.045x3-316SS	3/8T.045x3-NP	15/16	11/16	1 1/16
.050	3/8T.050x3	3/8T.050x3-SS	3/8T.050x3-316SS	3/8T.050x3-NP	15/16	11/16	1 1/16
1/16	3/8T1x3	3/8T1x3-SS	3/8T1x3-316SS	3/8T1x3-NP	1	11/16	1 3/16
5/64 / 2mm	3/8T2x3	3/8T2x3-SS	3/8T2x3-316SS	3/8T2x3-NP	1	11/16	1 3/16
3/32	3/8T2 1/2x3	3/8T2 1/2x3-SS	3/8T2 1/2x3-316SS	3/8T2 1/2x3-NP	1	11/16	1 3/16
1/8	3/8T3x3	3/8T3x3-SS	3/8T3x3-316SS	3/8T3x3-NP	1 3/32	11/16	1 5/16
5/32 / 4mm	3/8T3 1/2x3	3/8T3 1/2x3-SS	3/8T3 1/2x3-316SS	3/8T3 1/2x3-NP	1 3/32	11/16	1 5/16
.170	3/8T4x3	3/8T4x3-SS	3/8T4x3-316SS	3/8T4x3-NP	1 3/32	11/16	1 3/8
3/16	3/8T5x3	3/8T5x3-SS	3/8T5x3-316SS	3/8T5x3-NP	1 5/32	11/16	1 7/16
7/32	3/8T5 1/2x3	3/8T5 1/2x3-SS	3/8T5 1/2x3-316SS	3/8T5 1/2x3-NP	1 5/32	11/16	1 7/16
6mm	3/8T5 3/4x3	3/8T5 3/4x3-SS	3/8T5 3/4x3-316SS	3/8T5 3/4x3-NP	1 7/8	11/16	1 11/16
1/4	3/8T6x3	3/8T6x3-SS	3/8T6x3-316SS	3/8T6x3-NP	1 7/8	11/16	1 11/16
5/16 / 8mm	3/8T7x3	3/8T7x3-SS	3/8T7x3-316SS	3/8T7x3-NP	1 11/16	11/16	1 13/16
3/8	3/8T8x3	3/8T8x3-SS	3/8T8x3-316SS	3/8T8x3-NP	1 15/32	11/16	1 3/4
1/2	3/8T10x3	3/8T10x3-SS	3/8T10x3-316SS	3/8T10x3-NP	1 7/8	11/16	2 1/16

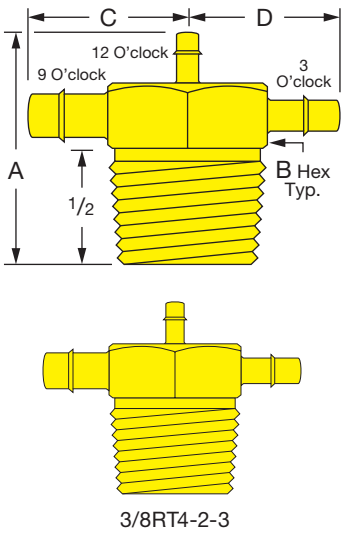


394 — 3/8 NPT Male Thread to Tube Reducing Tees x 3

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	Consult Factory	11/16	17/32	17/32
.040 / 1mm	.040		11/16	17/32	17/32
3/64	.045		11/16	17/32	17/32
.050	.050		11/16	17/32	17/32
1/16	1		11/16	19/32	19/32
5/64 / 2mm	2		11/16	19/32	19/32
3/32	2 1/2		11/16	19/32	19/32
1/8	3		11/16	21/32	21/32
5/32 / 4mm	3 1/2		11/16	21/32	21/32

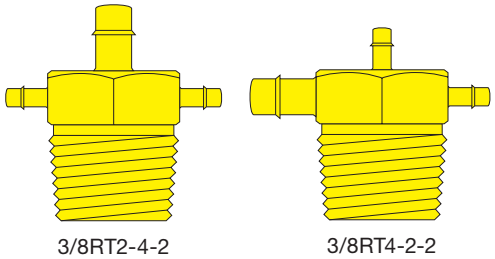
Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
.170	4	Consult Factory	11/16	11/16	11/16
3/16	5		11/16	23/32	23/32
7/32	5 1/2		11/16	23/32	23/32
6mm	5 3/4		11/16	27/32	27/32
1/4	6		11/16	27/32	27/32
5/16 / 8mm	7		11/16	29/32	29/32
3/8	8		11/16	7/8	7/8
1/2	10		11/16	1 1/32	1 1/32

Material options listed on previous page!

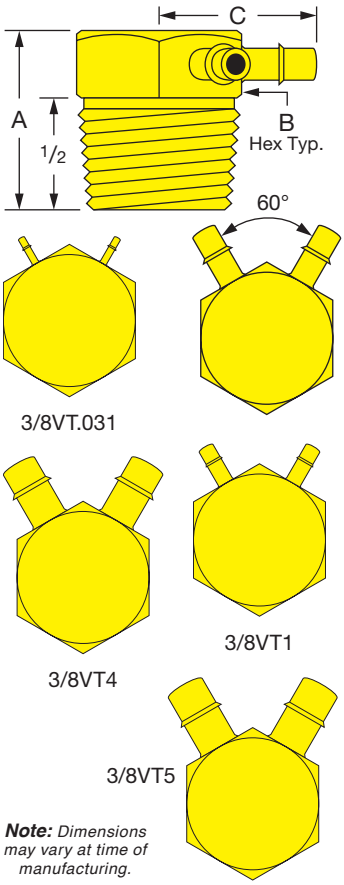


Part Numbers for 3/8 NPT Male Thread to Tube Reducing Tees x 3:

Thread Size → 3/8 | Fitting Series → RT | 9 O'clock Branch # → # | 12 O'clock Branch # → # | 3 O'clock Branch # → #



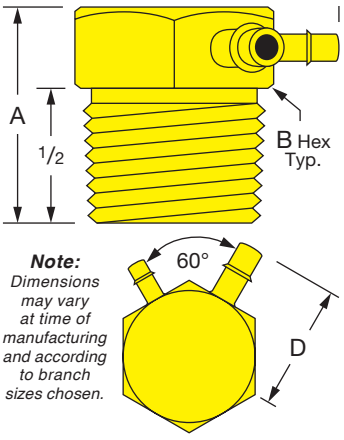
3/8 NPT Male Thread to Tube V-Tees 395



Note: *Dimensions may vary at time of manufacturing.*

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	3/8VT.031	3/8VT.031-SS	3/8VT.031-316SS	3/8VT.031-NP	25/32	11/16	17/32
.040 / 1mm	3/8VT.040	3/8VT.040-SS	3/8VT.040-316SS	3/8VT.040-NP	25/32	11/16	17/32
3/64	3/8VT.045	3/8VT.045-SS	3/8VT.045-316SS	3/8VT.045-NP	25/32	11/16	17/32
.050	3/8VT.050	3/8VT.050-SS	3/8VT.050-316SS	3/8VT.050-NP	25/32	11/16	17/32
1/16	3/8VT1	3/8VT1-SS	3/8VT1-316SS	3/8VT1-NP	25/32	11/16	19/32
5/64 / 2mm	3/8VT2	3/8VT2-SS	3/8VT2-316SS	3/8VT2-NP	25/32	11/16	19/32
3/32	3/8VT2 1/2	3/8VT2 1/2-SS	3/8VT2 1/2-316SS	3/8VT2 1/2-NP	25/32	11/16	19/32
1/8	3/8VT3	3/8VT3-SS	3/8VT3-316SS	3/8VT3-NP	25/32	11/16	21/32
5/32 / 4mm	3/8VT3 1/2	3/8VT3 1/2-SS	3/8VT3 1/2-316SS	3/8VT3 1/2-NP	25/32	11/16	21/32
.170	3/8VT4	3/8VT4-SS	3/8VT4-316SS	3/8VT4-NP	25/32	11/16	11/16
3/16	3/8VT5	3/8VT5-SS	3/8VT5-316SS	3/8VT5-NP	25/32	11/16	23/32
7/32	3/8VT5 1/2	3/8VT5 1/2-SS	3/8VT5 1/2-316SS	3/8VT5 1/2-NP	25/32	11/16	23/32
6mm	3/8VT5 3/4	3/8VT5 3/4-SS	3/8VT5 3/4-316SS	3/8VT5 3/4-NP	15/16	11/16	27/32
1/4	3/8VT6	3/8VT6-SS	3/8VT6-316SS	3/8VT6-NP	15/16	11/16	27/32
5/16 / 8mm	3/8VT7	3/8VT7-SS	3/8VT7-316SS	3/8VT7-NP	15/16	11/16	29/32
3/8	3/8VT8	3/8VT8-SS	3/8VT8-316SS	3/8VT8-NP	15/16	11/16	7/8
1/2	3/8VT10	3/8VT10-SS	3/8VT10-316SS	3/8VT10-NP	1 1/8	11/16	1 1/32

3/8 NPT Male Thread to Tube Left-Hand Reducing V-Tees 396



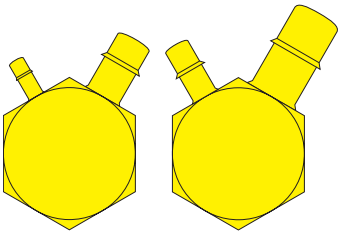
Note: *Dimensions may vary at time of manufacturing and according to branch sizes chosen.*

Top View: *Left-hand Reducing V-Tees have the smaller branch on the left.*

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	25/32	11/16	17/32	17/32
.040 / 1mm	.040	25/32	11/16	17/32	17/32
3/64	.045	25/32	11/16	17/32	17/32
.050	.050	25/32	11/16	17/32	17/32
1/16	1	25/32	11/16	19/32	19/32
5/64 / 2mm	2	25/32	11/16	19/32	19/32
3/32	2 1/2	25/32	11/16	19/32	19/32
1/8	3	25/32	11/16	21/32	21/32
5/32 / 4mm	3 1/2	25/32	11/16	21/32	21/32

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
.170	4	25/32	11/16	11/16	11/16
3/16	5	25/32	11/16	23/32	23/32
7/32	5 1/2	25/32	11/16	23/32	23/32
6mm	5 3/4	15/16	11/16	27/32	27/32
1/4	6	15/16	11/16	27/32	27/32
5/16 / 8mm	7	15/16	11/16	29/32	29/32
3/8	8	15/16	11/16	7/8	7/8
1/2	10	1 1/8	11/16	1 1/32	1 1/32

Note: *Images are not intended for dimensional measurements. Dimensions may vary at time of manufacturing.*



3/8RVT4-1-LH 3/8RVT6-3-LH

Part Numbers for 3/8 NPT Male Thread to Tube Left-Hand Reducing V-Tees:

Thread Size → 3/8 — Fitting Series → RVT — # (Larger Branch #) - # (Smaller Branch #) — LH ← Left-Hand Indicator

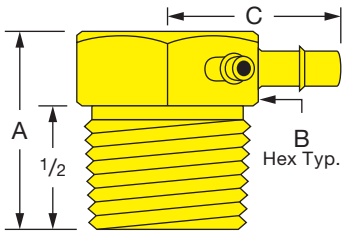
Unless otherwise specified, parts will be Brass. To order other materials, use the following codes:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

397 3/8 NPT Male Thread to Tube Right-Hand Reducing V-Tees

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	25/32	11/16	17/32	17/32
.040 / 1mm	.040	25/32	11/16	17/32	17/32
3/64	.045	25/32	11/16	17/32	17/32
.050	.050	25/32	11/16	17/32	17/32
1/16	1	25/32	11/16	19/32	19/32
5/64 / 2mm	2	25/32	11/16	19/32	19/32
3/32	2 1/2	25/32	11/16	19/32	19/32
1/8	3	25/32	11/16	21/32	21/32
5/32 / 4mm	3 1/2	25/32	11/16	21/32	21/32

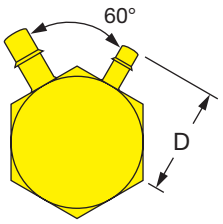
Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
.170	4	25/32	11/16	11/16	11/16
3/16	5	25/32	11/16	23/32	23/32
7/32	5 1/2	25/32	11/16	23/32	23/32
6mm	5 3/4	15/16	11/16	27/32	27/32
1/4	6	15/16	11/16	27/32	27/32
5/16 / 8mm	7	15/16	11/16	29/32	29/32
3/8	8	15/16	11/16	7/8	7/8
1/2	10	1 1/8	11/16	1 1/32	1 1/32

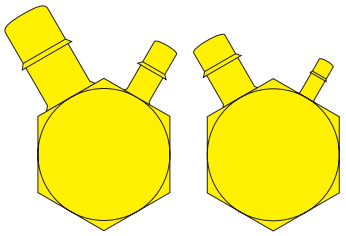
Material options listed on previous page!



Top View: *Right-hand Reducing V-Tees have the smaller branch on the right.*

Note: *Dimensions may vary at time of manufacturing.*





3/8RVT6-3-RH 3/8RVT4-1-RH

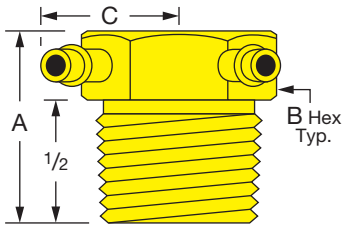
Part Numbers for 3/8 NPT Male Thread to Tube Right-Hand Reducing V-Tees:

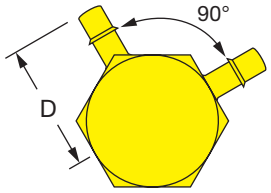
Thread Size → 3/8 — Fitting Series: RVT — # (Larger Branch #) - # (Smaller Branch #) - RH ← Right-Hand Indicator

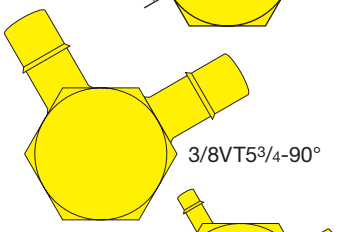
398 3/8 NPT Male Thread to Tube 90° V-Tees

Tube ID	Part Numbers				Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/32	3/8VT.031-90°	3/8VT.031-90°-SS	3/8VT.031-90°-316SS	3/8VT.031-90°-NP	25/32	11/16	17/32	
.040 / 1mm	3/8VT.040-90°	3/8VT.040-90°-SS	3/8VT.040-90°-316SS	3/8VT.040-90°-NP	25/32	11/16	17/32	
3/64	3/8VT.045-90°	3/8VT.045-90°-SS	3/8VT.045-90°-316SS	3/8VT.045-90°-NP	25/32	11/16	17/32	
.050	3/8VT.050-90°	3/8VT.050-90°-SS	3/8VT.050-90°-316SS	3/8VT.050-90°-NP	25/32	11/16	17/32	
1/16	3/8VT1-90°	3/8VT1-90°-SS	3/8VT1-90°-316SS	3/8VT1-90°-NP	25/32	11/16	19/32	
5/64 / 2mm	3/8VT2-90°	3/8VT2-90°-SS	3/8VT2-90°-316SS	3/8VT2-90°-NP	25/32	11/16	19/32	
3/32	3/8VT2 1/2-90°	3/8VT2 1/2-90°-SS	3/8VT2 1/2-90°-316SS	3/8VT2 1/2-90°-NP	25/32	11/16	19/32	
1/8	3/8VT3-90°	3/8VT3-90°-SS	3/8VT3-90°-316SS	3/8VT3-90°-NP	25/32	11/16	21/32	
5/32 / 4mm	3/8VT3 1/2-90°	3/8VT3 1/2-90°-SS	3/8VT3 1/2-90°-316SS	3/8VT3 1/2-90°-NP	25/32	11/16	21/32	
.170	3/8VT4-90°	3/8VT4-90°-SS	3/8VT4-90°-316SS	3/8VT4-90°-NP	25/32	11/16	11/16	
3/16	3/8VT5-90°	3/8VT5-90°-SS	3/8VT5-90°-316SS	3/8VT5-90°-NP	25/32	11/16	23/32	
7/32	3/8VT5 1/2-90°	3/8VT5 1/2-90°-SS	3/8VT5 1/2-90°-316SS	3/8VT5 1/2-90°-NP	25/32	11/16	23/32	
6mm	3/8VT5 3/4-90°	3/8VT5 3/4-90°-SS	3/8VT5 3/4-90°-316SS	3/8VT5 3/4-90°-NP	15/16	11/16	27/32	
1/4	3/8VT6-90°	3/8VT6-90°-SS	3/8VT6-90°-316SS	3/8VT6-90°-NP	15/16	11/16	27/32	
5/16 / 8mm	3/8VT7-90°	3/8VT7-90°-SS	3/8VT7-90°-316SS	3/8VT7-90°-NP	15/16	11/16	29/32	
3/8	3/8VT8-90°	3/8VT8-90°-SS	3/8VT8-90°-316SS	3/8VT8-90°-NP	15/16	11/16	7/8	
1/2	3/8VT10-90°	3/8VT10-90°-SS	3/8VT10-90°-316SS	3/8VT10-90°-NP	1 1/8	11/16	1 1/32	

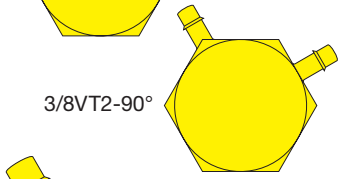
Consult Factory Consult Factory Consult Factory



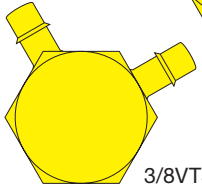




3/8VT5 3/4-90°



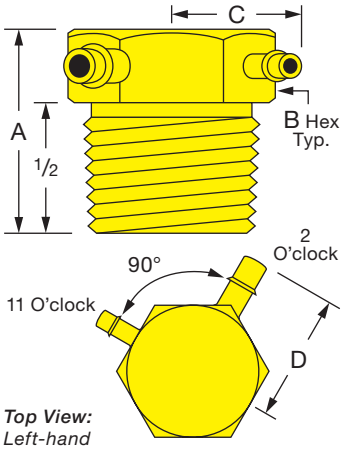
3/8VT2-90°



Note: *For systems that do not allow the degree symbol (°), use "DEG" in the part number.*

3/8VT3 1/2-90°

3/8 NPT Male Thread to Tube Reducing Left-Hand 90° V-Tees 399



Top View:
Left-hand
Reducing 90° V-Tees have the hex point branch at 11 o'clock, while the hex flat branch is on the left, at 2 o'clock.

Branches		Dimensions (Reference)				
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.	
1/32	.031	9/32	11/16	17/32		Consult Factory
.040 / 1mm	.040	9/32	11/16	17/32		
3/64	.045	9/32	11/16	17/32		
.050	.050	9/32	11/16	17/32		
1/16	1	9/32	11/16	19/32		
5/64 / 2mm	2	9/32	11/16	19/32		
3/32	2 1/2	9/32	11/16	19/32		
1/8	3	9/32	11/16	21/32		
5/32 / 4mm	3 1/2	9/32	11/16	21/32		

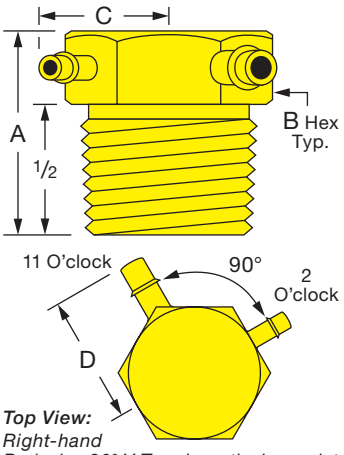
Branches		Dimensions (Reference)				
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.	
.170	4	9/32	11/16	11/16		Consult Factory
3/16	5	9/32	11/16	23/32		
7/32	5 1/2	9/32	11/16	23/32		
6mm	5 3/4	7/16	11/16	27/32		
1/4	6	7/16	11/16	27/32		
5/16 / 8mm	7	7/16	11/16	29/32		
3/8	8	7/16	11/16	7/8		
1/2	10	5/8	11/16	1 1/32		

Note: *For systems that do not allow the degree symbol (°) to be used, substitute with 'DEG' in the part number.*

Part Numbers for 3/8 NPT Male Thread to Tube Reducing Left-Hand 90° V-Tees:

Thread Size → **3/8** (Fitting Series) **RVT** **#** (2 O'clock Branch) **-** **#** (11 O'clock Branch) **-** **90°** (90° Indicator) **-** **LH** ← Left-Hand Indicator

3/8 NPT Male Thread to Tube Reducing Right-Hand 90° V-Tees 400



Top View:
Right-hand
Reducing 90° V-Tees have the hex point branch at 11 o'clock, while the hex flat branch is on the right, at 2 o'clock.

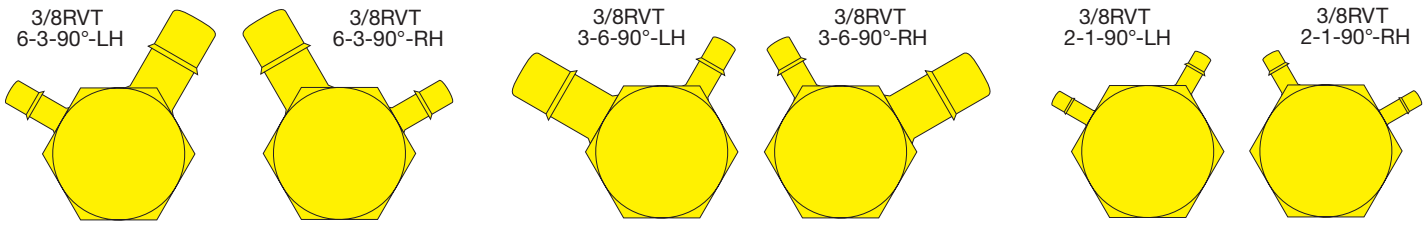
Branches		Dimensions (Reference)				
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.	
1/32	.031	9/32	11/16	17/32		Consult Factory
.040 / 1mm	.040	9/32	11/16	17/32		
3/64	.045	9/32	11/16	17/32		
.050	.050	9/32	11/16	17/32		
1/16	1	9/32	11/16	19/32		
5/64 / 2mm	2	9/32	11/16	19/32		
3/32	2 1/2	9/32	11/16	19/32		
1/8	3	9/32	11/16	21/32		
5/32 / 4mm	3 1/2	9/32	11/16	21/32		

Branches		Dimensions (Reference)				
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.	
.170	4	9/32	11/16	11/16		Consult Factory
3/16	5	9/32	11/16	23/32		
7/32	5 1/2	9/32	11/16	23/32		
6mm	5 3/4	7/16	11/16	27/32		
1/4	6	7/16	11/16	27/32		
5/16 / 8mm	7	7/16	11/16	29/32		
3/8	8	7/16	11/16	7/8		
1/2	10	5/8	11/16	1 1/32		

Note: *For systems that do not allow the degree symbol (°) to be used, substitute with 'DEG' in the part number.*

Part Numbers for 3/8 NPT Male Thread to Tube Reducing Right-Hand 90° V-Tees:

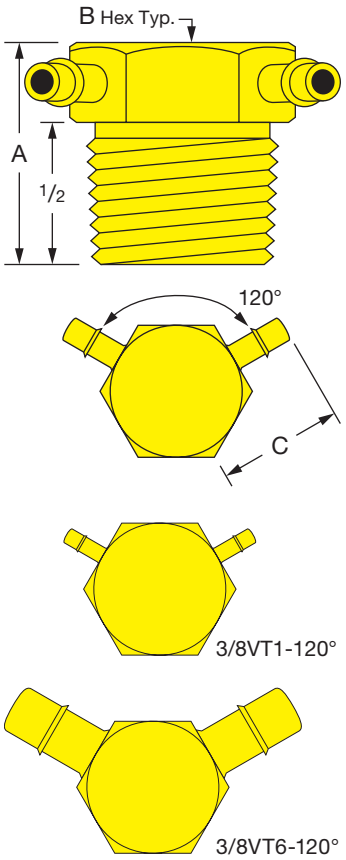
Thread Size → **3/8** (Fitting Series) **RVT** **#** (11 O'clock Branch) **-** **#** (2 O'clock Branch) **-** **90°** (90° Indicator) **-** **RH** ← Right-Hand Indicator



Unless otherwise specified, parts will be Brass. To order other materials, add the following codes to the end of the part number:
-SS = Stainless Steel 303 **-316SS** = Stainless Steel 316 **-NP** = Electroless Nickel Plate

401 — 3/8 NPT Male Thread to Tube 120° V-Tees

Tube ID	Part Numbers: Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	Dimensions (Reference): A Ref.	B Typ.	C Ref.
1/32	3/8VT.031-120°	3/8VT.031-120°-SS	3/8VT.031-120°-316SS	3/8VT.031-120°-NP	25/32	11/16	17/32
.040 / 1mm	3/8VT.040-120°	3/8VT.040-120°-SS	3/8VT.040-120°-316SS	3/8VT.040-120°-NP	25/32	11/16	17/32
3/64	3/8VT.045-120°	3/8VT.045-120°-SS	3/8VT.045-120°-316SS	3/8VT.045-120°-NP	25/32	11/16	17/32
.050	3/8VT.050-120°	3/8VT.050-120°-SS	3/8VT.050-120°-316SS	3/8VT.050-120°-NP	25/32	11/16	17/32
1/16	3/8VT1-120°	3/8VT1-120°-SS	3/8VT1-120°-316SS	3/8VT1-120°-NP	25/32	11/16	19/32
5/64 / 2mm	3/8VT2-120°	3/8VT2-120°-SS	3/8VT2-120°-316SS	3/8VT2-120°-NP	25/32	11/16	19/32
3/32	3/8VT2 1/2-120°	3/8VT2 1/2-120°-SS	3/8VT2 1/2-120°-316SS	3/8VT2 1/2-120°-NP	25/32	11/16	19/32
1/8	3/8VT3-120°	3/8VT3-120°-SS	3/8VT3-120°-316SS	3/8VT3-120°-NP	25/32	11/16	21/32
5/32 / 4mm	3/8VT3 1/2-120°	3/8VT3 1/2-120°-SS	3/8VT3 1/2-120°-316SS	3/8VT3 1/2-120°-NP	25/32	11/16	21/32
.170	3/8VT4-120°	3/8VT4-120°-SS	3/8VT4-120°-316SS	3/8VT4-120°-NP	25/32	11/16	11/16
3/16	3/8VT5-120°	3/8VT5-120°-SS	3/8VT5-120°-316SS	3/8VT5-120°-NP	25/32	11/16	23/32
7/32	3/8VT5 1/2-120°	3/8VT5 1/2-120°-SS	3/8VT5 1/2-120°-316SS	3/8VT5 1/2-120°-NP	25/32	11/16	23/32
6mm	3/8VT5 3/4-120°	3/8VT5 3/4-120°-SS	3/8VT5 3/4-120°-316SS	3/8VT5 3/4-120°-NP	15/16	11/16	27/32
1/4	3/8VT6-120°	3/8VT6-120°-SS	3/8VT6-120°-316SS	3/8VT6-120°-NP	15/16	11/16	27/32
5/16 / 8mm	3/8VT7-120°	3/8VT7-120°-SS	3/8VT7-120°-316SS	3/8VT7-120°-NP	15/16	11/16	29/32
3/8	3/8VT8-120°	3/8VT8-120°-SS	3/8VT8-120°-316SS	3/8VT8-120°-NP	15/16	11/16	7/8
1/2	3/8VT10-120°	3/8VT10-120°-SS	3/8VT10-120°-316SS	3/8VT10-120°-NP	1 1/8	11/16	1 1/32

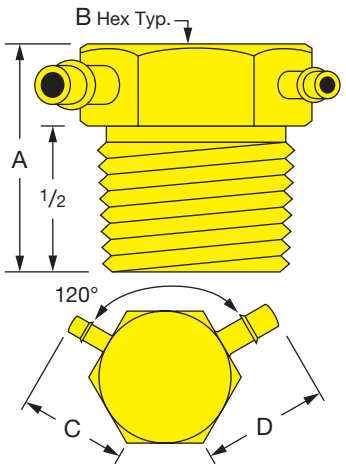


402 — 3/8 NPT Male Thread to Tube Reducing Left-Hand 120° V-Tees

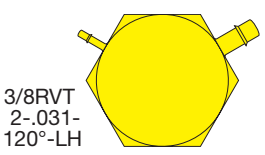
Branches: Tube ID	Branch Number	Dimensions (Reference): A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	9/32	11/16	17/32	17/32
.040 / 1mm	.040	9/32	11/16	17/32	17/32
3/64	.045	9/32	11/16	17/32	17/32
.050	.050	9/32	11/16	17/32	17/32
1/16	1	9/32	11/16	19/32	19/32
5/64 / 2mm	2	9/32	11/16	19/32	19/32
3/32	2 1/2	9/32	11/16	19/32	19/32
1/8	3	9/32	11/16	21/32	21/32
5/32 / 4mm	3 1/2	9/32	11/16	21/32	21/32

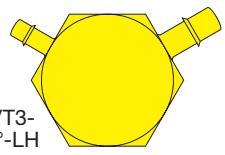
Branches: Tube ID	Branch Number	Dimensions (Reference): A Ref.	B Typ.	C Ref.	D Ref.
.170	4	9/32	11/16	11/16	11/16
3/16	5	9/32	11/16	23/32	23/32
7/32	5 1/2	9/32	11/16	23/32	23/32
6mm	5 3/4	7/16	11/16	27/32	27/32
1/4	6	7/16	11/16	27/32	27/32
5/16 / 8mm	7	7/16	11/16	29/32	29/32
3/8	8	7/16	11/16	7/8	7/8
1/2	10	5/8	11/16	1 1/32	1 1/32

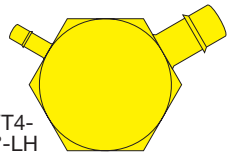
Note: *For systems that do not allow the degree symbol (°) to be used, substitute with 'DEG' in the part number.*

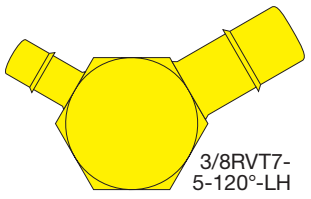


Material options listed on previous page!







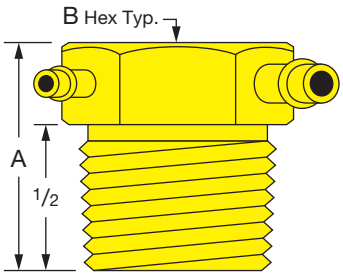


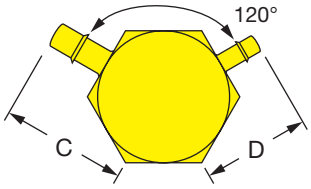
Part Numbers for 3/8 NPT Male Thread to Tube Reducing Left-Hand 120° V-Tees:

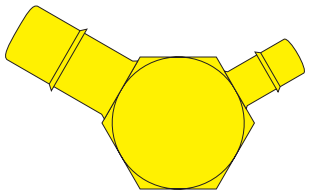
Thread Size → **3/8** **RVT** **#** - **#** - **120°** - **LH** ← Left-Hand Indicator

Fitting Series ↑ | Larger Branch # ↑ | Smaller Branch # ↑ | 120° Indicator ↑

3/8 NPT Male Thread to Tube Reducing Right-Hand 120° V-Tees 403





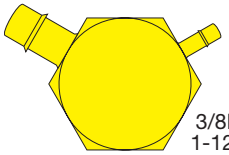


3/8RVT7-5-120°-RH

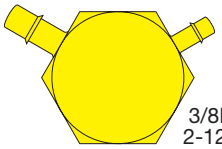
Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	9/32	11/16	17/32	17/32
.040 / 1mm	.040	9/32	11/16	17/32	17/32
3/64	.045	9/32	11/16	17/32	17/32
.050	.050	9/32	11/16	17/32	17/32
1/16	1	9/32	11/16	19/32	19/32
5/64 / 2mm	2	9/32	11/16	19/32	19/32
3/32	2 1/2	9/32	11/16	19/32	19/32
1/8	3	9/32	11/16	21/32	21/32
5/32 / 4mm	3 1/2	9/32	11/16	21/32	21/32

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
.170	4	9/32	11/16	11/16	11/16
3/16	5	9/32	11/16	23/32	23/32
7/32	5 1/2	9/32	11/16	23/32	23/32
6mm	5 3/4	7/16	11/16	27/32	27/32
1/4	6	7/16	11/16	27/32	27/32
5/16 / 8mm	7	7/16	11/16	29/32	29/32
3/8	8	7/16	11/16	7/8	7/8
1/2	10	5/8	11/16	1 1/32	1 1/32

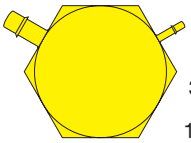
Note: *For systems that do not allow the degree symbol (°) to be used, substitute with 'DEG' in the part number.*



3/8RVT4-1-120°-RH



3/8RVT3-2-120°-RH



3/8RVT 2-.031-120°-RH

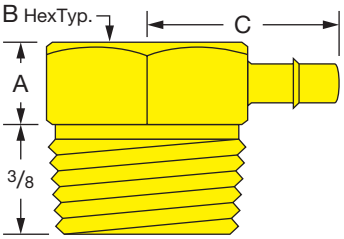
Material options listed on next page!

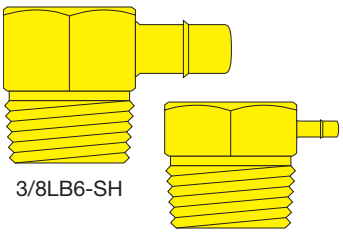
Part Numbers for 3/8 NPT Male Thread to Tube Reducing Right-Hand 120° V-Tees:

Thread Size → **3/8** **RVT** ← Fitting Series | **#** - **#** - **120°** - **RH** ← Right-Hand Indicator

← Larger Branch # | **#** ← Smaller Branch # | **120°** ← 120° Indicator

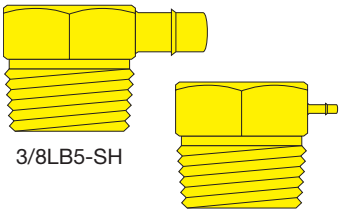
3/8 NPT Short Male Thread to Tube Elbows 404





3/8LB6-SH

3/8LB1-SH



3/8LB5-SH

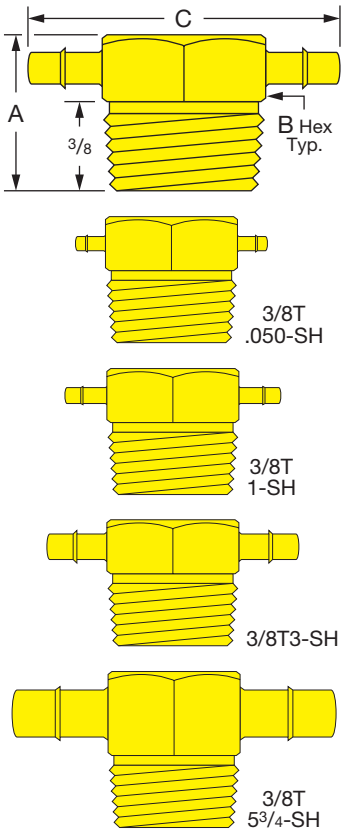
3/8LB.040-SH

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	3/8LB.031-SH	3/8LB.031-SH-SS	3/8LB.031-SH-316SS	3/8LB.031-SH-NP	9/32	11/16	17/32
.040 / 1mm	3/8LB.040-SH	3/8LB.040-SH-SS	3/8LB.040-SH-316SS	3/8LB.040-SH-NP	9/32	11/16	17/32
3/64	3/8LB.045-SH	3/8LB.045-SH-SS	3/8LB.045-SH-316SS	3/8LB.045-SH-NP	9/32	11/16	17/32
.050	3/8LB.050-SH	3/8LB.050-SH-SS	3/8LB.050-SH-316SS	3/8LB.050-SH-NP	9/32	11/16	17/32
1/16	3/8LB1-SH	3/8LB1-SH-SS	3/8LB1-SH-316SS	3/8LB1-SH-NP	9/32	11/16	19/32
5/64 / 2mm	3/8LB2-SH	3/8LB2-SH-SS	3/8LB2-SH-316SS	3/8LB2-SH-NP	9/32	11/16	19/32
3/32	3/8LB2 1/2-SH	3/8LB2 1/2-SH-SS	3/8LB2 1/2-SH-316SS	3/8LB2 1/2-SH-NP	9/32	11/16	19/32
1/8	3/8LB3-SH	3/8LB3-SH-SS	3/8LB3-SH-316SS	3/8LB3-SH-NP	9/32	11/16	21/32
5/32 / 4mm	3/8LB3 1/2-SH	3/8LB3 1/2-SH-SS	3/8LB3 1/2-SH-316SS	3/8LB3 1/2-SH-NP	9/32	11/16	21/32
.170	3/8LB4-SH	3/8LB4-SH-SS	3/8LB4-SH-316SS	3/8LB4-SH-NP	9/32	11/16	11/16
3/16	3/8LB5-SH	3/8LB5-SH-SS	3/8LB5-SH-316SS	3/8LB5-SH-NP	9/32	11/16	23/32
7/32	3/8LB5 1/2-SH	3/8LB5 1/2-SH-SS	3/8LB5 1/2-SH-316SS	3/8LB5 1/2-SH-NP	9/32	11/16	23/32
6mm	3/8LB5 3/4-SH	3/8LB5 3/4-SH-SS	3/8LB5 3/4-SH-316SS	3/8LB5 3/4-SH-NP	7/16	11/16	27/32
1/4	3/8LB6-SH	3/8LB6-SH-SS	3/8LB6-SH-316SS	3/8LB6-SH-NP	7/16	11/16	27/32

405 — 3/8 NPT Short Male Thread to Tube Tees

Tube ID	Part Numbers: Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	Dimensions (Reference): A Ref.	B Typ.	C Ref.
1/32	3/8T.031-SH	3/8T.031-SH-SS	3/8T.031-SH-316SS	3/8T.031-SH-NP	21/32	11/16	1 1/16
.040 / 1mm	3/8T.040-SH	3/8T.040-SH-SS	3/8T.040-SH-316SS	3/8T.040-SH-NP	21/32	11/16	1 1/16
3/64	3/8T.045-SH	3/8T.045-SH-SS	3/8T.045-SH-316SS	3/8T.045-SH-NP	21/32	11/16	1 1/16
.050	3/8T.050-SH	3/8T.050-SH-SS	3/8T.050-SH-316SS	3/8T.050-SH-NP	21/32	11/16	1 1/16
1/16	3/8T1-SH	3/8T1-SH-SS	3/8T1-SH-316SS	3/8T1-SH-NP	21/32	11/16	1 3/16
5/64 / 2mm	3/8T2-SH	3/8T2-SH-SS	3/8T2-SH-316SS	3/8T2-SH-NP	21/32	11/16	1 3/16
3/32	3/8T2 1/2-SH	3/8T2 1/2-SH-SS	3/8T2 1/2-SH-316SS	3/8T2 1/2-SH-NP	21/32	11/16	1 3/16
1/8	3/8T3-SH	3/8T3-SH-SS	3/8T3-SH-316SS	3/8T3-SH-NP	21/32	11/16	1 5/16
5/32 / 4mm	3/8T3 1/2-SH	3/8T3 1/2-SH-SS	3/8T3 1/2-SH-316SS	3/8T3 1/2-SH-NP	21/32	11/16	1 5/16
.170	3/8T4-SH	3/8T4-SH-SS	3/8T4-SH-316SS	3/8T4-SH-NP	21/32	11/16	1 3/8
3/16	3/8T5-SH	3/8T5-SH-SS	3/8T5-SH-316SS	3/8T5-SH-NP	21/32	11/16	1 7/16
7/32	3/8T5 1/2-SH	3/8T5 1/2-SH-SS	3/8T5 1/2-SH-316SS	3/8T5 1/2-SH-NP	21/32	11/16	1 7/16
6mm	3/8T5 3/4-SH	3/8T5 3/4-SH-SS	3/8T5 3/4-SH-316SS	3/8T5 3/4-SH-NP	13/16	11/16	1 11/16
1/4	3/8T6-SH	3/8T6-SH-SS	3/8T6-SH-316SS	3/8T6-SH-NP	13/16	11/16	1 11/16

Custom 3/8 short NPT male thread fittings with larger branches available! Consult factory for details!



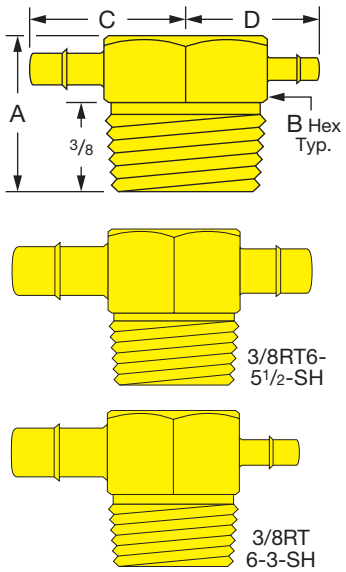
406 — 3/8 NPT Short Male Thread to Tube Reducing Tees

Branches: Tube ID	Branch Number	Dimensions (Reference): A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	21/32	11/16	17/32	17/32
.040 / 1mm	.040	21/32	11/16	17/32	17/32
3/64	.045	21/32	11/16	17/32	17/32
.050	.050	21/32	11/16	17/32	17/32
1/16	1	21/32	11/16	19/32	19/32
5/64 / 2mm	2	21/32	11/16	19/32	19/32
3/32	2 1/2	21/32	11/16	19/32	19/32

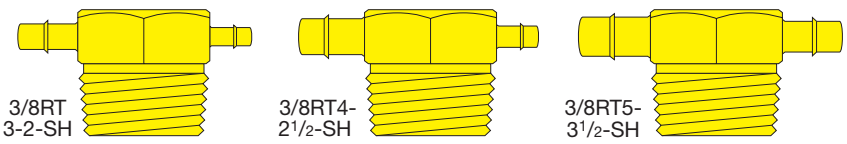
Branches: Tube ID	Branch Number	Dimensions (Reference): A Ref.	B Typ.	C Ref.	D Ref.
1/8	3	21/32	11/16	21/32	21/32
5/32 / 4mm	3 1/2	21/32	11/16	21/32	21/32
.170	4	21/32	11/16	11/16	11/16
3/16	5	21/32	11/16	23/32	23/32
7/32	5 1/2	21/32	11/16	23/32	23/32
6mm	5 3/4	13/16	11/16	27/32	27/32
1/4	6	13/16	11/16	27/32	27/32

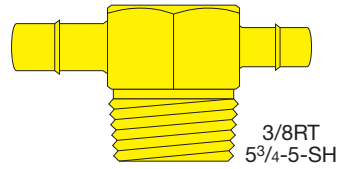
Part Numbers for 3/8 NPT Short Male Thread to Tube Reducing Tees:

Thread Size → 3/8 (Fitting Series) — RT — # (Larger Branch #) - # (Smaller Branch #) — SH (Short Thread Indicator)



Note: Images are for visual representation only. Dimensions may vary at time of manufacturing.

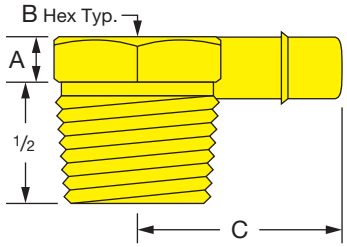




Unless otherwise specified, parts will be Brass. To order other materials, add the following codes to the end of the part number:

-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

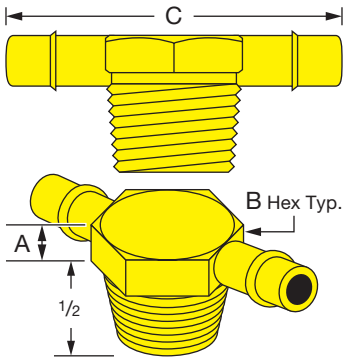
3/8 NPT Male Thread to Tube Low Profile Elbow 407



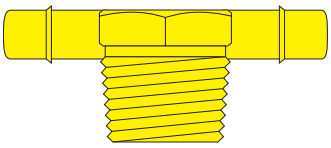
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/4	3/8LB6-LP	3/8LB6-LP-SS	3/8LB6-LP-316SS	3/8LB6-LP-NP	3/16	11/16	27/32

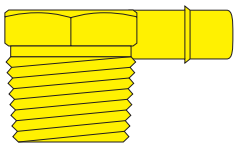
Low Profile Fittings have #6 Branches with Shorter Hex Height compared to standard!

3/8 NPT Male Thread to Tube Low Profile Tee 408



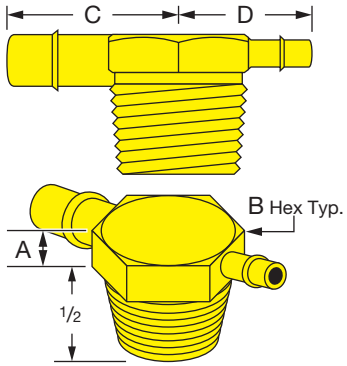
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/4	3/8T6-LP	3/8T6-LP-SS	3/8T6-LP-316SS	3/8T6-LP-NP	3/16	11/16	1 11/16


3/8T6-LP

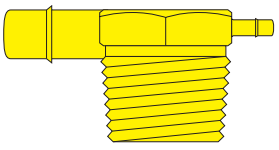

3/8LB6-LP

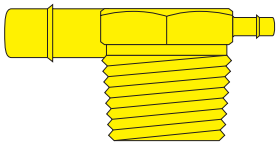
90° Low Profile Tees & other options maybe available upon special request! Lead times& minimum quantities apply! Consult factory for details!

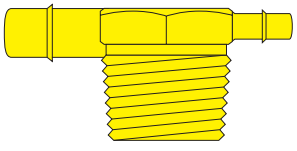
3/8 NPT Male Thread to Tube Reducing Low Profile Tees 409

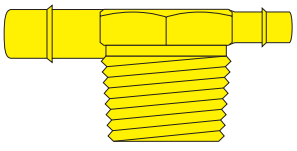


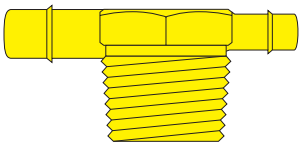
Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/4	1/16	3/8RT6-1-LP	3/8RT6-1-LP-SS	3/8RT6-1-LP-316SS	3/8RT6-1-LP-NP	3/16	11/16	27/32	19/32
1/4	5/64 / 2mm	3/8RT6-2-LP	3/8RT6-2-LP-SS	3/8RT6-2-LP-316SS	3/8RT6-2-LP-NP	3/16	11/16	27/32	19/32
1/4	3/32	3/8RT6-2 1/2-LP	3/8RT6-2 1/2-LP-SS	3/8RT6-2 1/2-LP-316SS	3/8RT6-2 1/2-LP-NP	3/16	11/16	27/32	19/32
1/4	1/8	3/8RT6-3-LP	3/8RT6-3-LP-SS	3/8RT6-3-LP-316SS	3/8RT6-3-LP-NP	3/16	11/16	27/32	21/32
1/4	5/32 / 4mm	3/8RT6-3 1/2-LP	3/8RT6-3 1/2-LP-SS	3/8RT6-3 1/2-LP-316SS	3/8RT6-3 1/2-LP-NP	3/16	11/16	27/32	21/32
1/4	.170	3/8RT6-4-LP	3/8RT6-4-LP-SS	3/8RT6-4-LP-316SS	3/8RT6-4-LP-NP	3/16	11/16	27/32	11/16
1/4	3/16	3/8RT6-5-LP	3/8RT6-5-LP-SS	3/8RT6-5-LP-316SS	3/8RT6-5-LP-NP	3/16	11/16	27/32	23/32
1/4	7/32	3/8RT6-5 1/2-LP	3/8RT6-5 1/2-LP-SS	3/8RT6-5 1/2-LP-316SS	3/8RT6-5 1/2-LP-NP	3/16	11/16	27/32	23/32
1/4	6mm	3/8RT6-5 3/4-LP	3/8RT6-5 3/4-LP-SS	3/8RT6-5 3/4-LP-316SS	3/8RT6-5 3/4-LP-NP	3/16	11/16	27/32	27/32

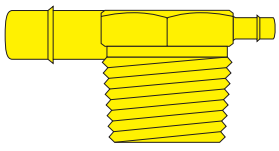

3/8T6-1-LP

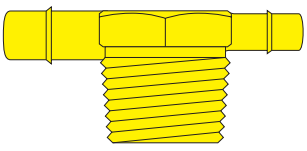

3/8T6-2-LP

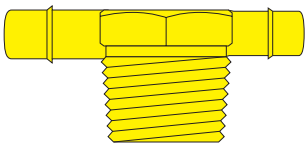

3/8T6-3-LP

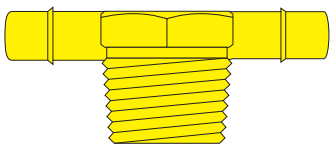

3/8T6-3 1/2-LP


3/8T6-4-LP


3/8T6-2 1/2-LP

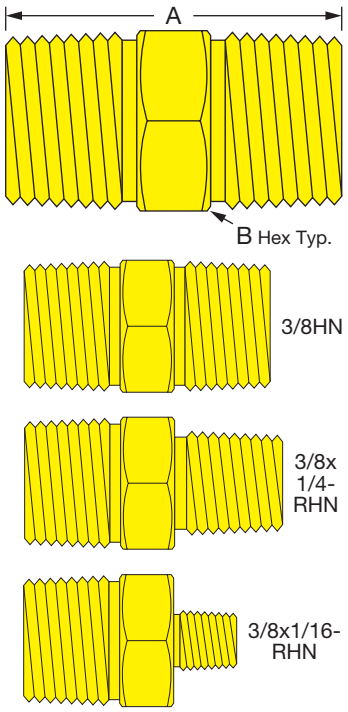

3/8T6-5-LP


3/8T6-5 1/2-LP


3/8T6-5 3/4-LP

410 3/8 NPT Male Thread Male Hex Nipple and Reducing Hex Nipples

9 O'clock Thread Size	3 O'clock Thread Size	Part Numbers					Dimensions (Reference)	
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.
3/8 NPT	3/8 NPT	3/8HN	3/8HN-SS	3/8HN-316SS	3/8HN-AL	3/8HN-NP	1 9/32	5/8
3/8 NPT	1/4 NPT	3/8x1/4-RHN	3/8x1/4-RHN-SS	3/8x1/4-RHN-316SS	3/8x1/4-RHN-AL	3/8x1/4-RHN-NP	1 11/32	5/8
3/8 NPT	1/8 NPT	3/8x1/8-RHN	3/8x1/8-RHN-SS	3/8x1/8-RHN-316SS	3/8x1/8-RHN-AL	3/8x1/8-RHN-NP	1 5/32	5/8
3/8 NPT	1/16 NPT	3/8x1/16-RHN	3/8x1/16-RHN-SS	3/8x1/16-RHN-316SS	3/8x1/16-RHN-AL	3/8x1/16-RHN-NP	1 7/64	5/8
3/8 NPT	1/4-28	3/8x4-28-RHN	3/8x4-28-RHN-SS	3/8x4-28-RHN-316SS	3/8x4-28-RHN-AL	3/8x4-28-RHN-NP	Consult Factory	5/8
3/8 NPT	10-32	3/8x10-RHN	3/8x10-RHN-SS	3/8x10-RHN-316SS	3/8x10-RHN-AL	3/8x10-RHN-NP		5/8
3/8 NPT	9/16-18 SAE	3/8x9/16-18-SAE-RHN	3/8x9/16-18-SAE-RHN-SS	3/8x9/16-18-SAE-RHN-316SS	3/8x9/16-18-SAE-RHN-AL	3/8x9/16-18-SAE-RHN-NP		3/4
3/8 NPT	7/16-20 SAE	3/8x7/16-20-SAE-RHN	3/8x7/16-20-SAE-RHN-SS	3/8x7/16-20-SAE-RHN-316SS	3/8x7/16-20-SAE-RHN-AL	3/8x7/16-20-SAE-RHN-NP		5/8
3/8 NPT	M10x 1.25	3/8xM10x1.25-RHN	3/8xM10x1.25-RHN-SS	3/8xM10x1.25-RHN-316SS	3/8xM10x1.25-RHN-AL	3/8xM10x1.25-RHN-NP		5/8
3/8 NPT	M8x1	3/8xM8x1-RHN	3/8xM8x1-RHN-SS	3/8xM8x1-RHN-316SS	3/8xM8x1-RHN-AL	3/8xM8x1-RHN-NP		5/8
3/8 NPT	M6x1	3/8xM6x1-RHN	3/8xM6x1-RHN-SS	3/8xM6x1-RHN-316SS	3/8xM6x1-RHN-AL	3/8xM6x1-RHN-NP		5/8
3/8 NPT	M5	3/8xM5-RHN	3/8xM5-RHN-SS	3/8xM5-RHN-316SS	3/8xM5-RHN-AL	3/8xM5-RHN-NP		5/8
3/8 NPT	M3	3/8xM3-RHN	3/8xM3-RHN-SS	3/8xM3-RHN-316SS	3/8xM3-RHN-AL	3/8xM3-RHN-NP		5/8

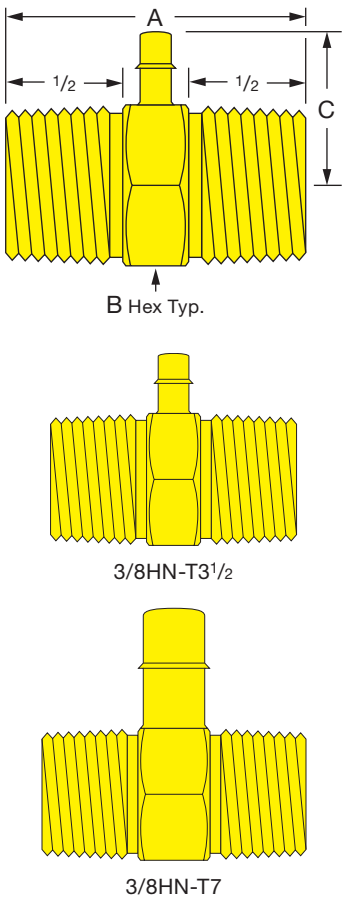


O-Ring options available on straight threads! Material options on page 65!

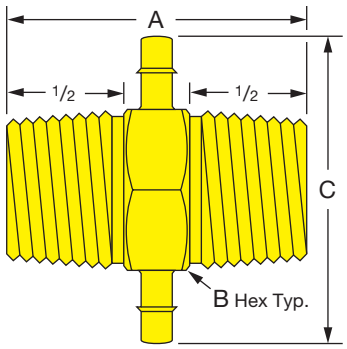
See pages 424 - 425 for other Hex Nipple options!

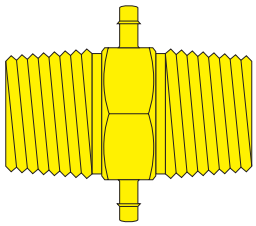
411 3/8 NPT Male Thread Hex Nipples with Tube Branches: Tees

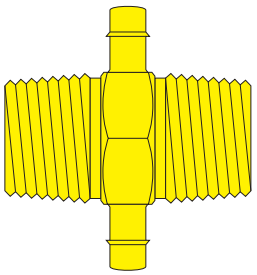
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	3/8HN-T.031	3/8HN-T.031-SS	3/8HN-T.031-316SS	3/8HN-T.031-NP	1 9/32	11/16	17/32
.040 / 1mm	3/8HN-T.040	3/8HN-T.040-SS	3/8HN-T.040-316SS	3/8HN-T.040-NP	1 9/32	11/16	17/32
3/64	3/8HN-T.045	3/8HN-T.045-SS	3/8HN-T.045-316SS	3/8HN-T.045-NP	1 9/32	11/16	17/32
.050	3/8HN-T.050	3/8HN-T.050-SS	3/8HN-T.050-316SS	3/8HN-T.050-NP	1 9/32	11/16	17/32
1/16	3/8HN-T1	3/8HN-T1-SS	3/8HN-T1-316SS	3/8HN-T1-NP	1 9/32	11/16	19/32
5/64 / 2mm	3/8HN-T2	3/8HN-T2-SS	3/8HN-T2-316SS	3/8HN-T2-NP	1 9/32	11/16	19/32
3/32	3/8HN-T2 1/2	3/8HN-T2 1/2-SS	3/8HN-T2 1/2-316SS	3/8HN-T2 1/2-NP	1 9/32	11/16	19/32
1/8	3/8HN-T3	3/8HN-T3-SS	3/8HN-T3-316SS	3/8HN-T3-NP	1 9/32	11/16	21/32
5/32 / 4mm	3/8HN-T3 1/2	3/8HN-T3 1/2-SS	3/8HN-T3 1/2-316SS	3/8HN-T3 1/2-NP	1 9/32	11/16	21/32
.170	3/8HN-T4	3/8HN-T4-SS	3/8HN-T4-316SS	3/8HN-T4-NP	1 9/32	11/16	11/16
3/16	3/8HN-T5	3/8HN-T5-SS	3/8HN-T5-316SS	3/8HN-T5-NP	1 9/32	11/16	23/32
7/32	3/8HN-T5 1/2	3/8HN-T5 1/2-SS	3/8HN-T5 1/2-316SS	3/8HN-T5 1/2-NP	1 9/32	11/16	23/32
6mm	3/8HN-T5 3/4	3/8HN-T5 3/4-SS	3/8HN-T5 3/4-316SS	3/8HN-T5 3/4-NP	1 3/8	11/16	27/32
1/4	3/8HN-T6	3/8HN-T6-SS	3/8HN-T6-316SS	3/8HN-T6-NP	1 3/8	11/16	27/32
5/16 / 8mm	3/8HN-T7	3/8HN-T7-SS	3/8HN-T7-316SS	3/8HN-T7-NP	1 3/8	11/16	29/32
3/8	3/8HN-T8	3/8HN-T8-SS	3/8HN-T8-316SS	3/8HN-T8-NP	1 7/16	11/16	7/8
1/2	3/8HN-T10	3/8HN-T10-SS	3/8HN-T10-316SS	3/8HN-T10-NP	1 5/8	11/16	1 1/32



3/8 NPT Male Thread Hex Nipples with Tube Branches: Crosses 412

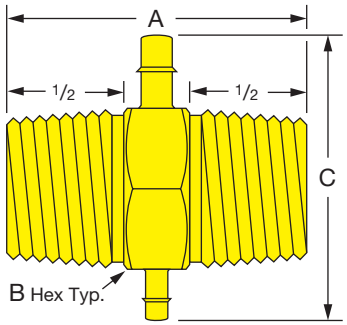


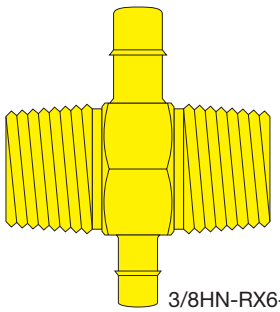




Tube ID	Part Numbers: Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	Dimensions (Reference): A Ref.	B Typ.	C Ref.
1/32	3/8HN-X.031	3/8HN-X.031-SS	3/8HN-X.031-316SS	3/8HN-X.031-NP	19/32	11/16	1 1/16
.040 / 1mm	3/8HN-X.040	3/8HN-X.040-SS	3/8HN-X.040-316SS	3/8HN-X.040-NP	19/32	11/16	1 1/16
3/64	3/8HN-X.045	3/8HN-X.045-SS	3/8HN-X.045-316SS	3/8HN-X.045-NP	19/32	11/16	1 1/16
.050	3/8HN-X.050	3/8HN-X.050-SS	3/8HN-X.050-316SS	3/8HN-X.050-NP	19/32	11/16	1 1/16
1/16	3/8HN-X1	3/8HN-X1-SS	3/8HN-X1-316SS	3/8HN-X1-NP	19/32	11/16	1 3/16
5/64 / 2mm	3/8HN-X2	3/8HN-X2-SS	3/8HN-X2-316SS	3/8HN-X2-NP	19/32	11/16	1 3/16
3/32	3/8HN-X2 1/2	3/8HN-X2 1/2-SS	3/8HN-X2 1/2-316SS	3/8HN-X2 1/2-NP	19/32	11/16	1 3/16
1/8	3/8HN-X3	3/8HN-X3-SS	3/8HN-X3-316SS	3/8HN-X3-NP	19/32	11/16	1 5/16
5/32 / 4mm	3/8HN-X3 1/2	3/8HN-X3 1/2-SS	3/8HN-X3 1/2-316SS	3/8HN-X3 1/2-NP	19/32	11/16	1 5/16
.170	3/8HN-X4	3/8HN-X4-SS	3/8HN-X4-316SS	3/8HN-X4-NP	19/32	11/16	1 3/8
3/16	3/8HN-X5	3/8HN-X5-SS	3/8HN-X5-316SS	3/8HN-X5-NP	19/32	11/16	1 7/16
7/32	3/8HN-X5 1/2	3/8HN-X5 1/2-SS	3/8HN-X5 1/2-316SS	3/8HN-X5 1/2-NP	19/32	11/16	1 7/16
6mm	3/8HN-X5 3/4	3/8HN-X5 3/4-SS	3/8HN-X5 3/4-316SS	3/8HN-X5 3/4-NP	1 3/8	11/16	1 11/16
1/4	3/8HN-X6	3/8HN-X6-SS	3/8HN-X6-316SS	3/8HN-X6-NP	1 3/8	11/16	1 11/16
5/16 / 8mm	3/8HN-X7	3/8HN-X7-SS	3/8HN-X7-316SS	3/8HN-X7-NP	1 7/16	11/16	1 13/16
3/8	3/8HN-X8	3/8HN-X8-SS	3/8HN-X8-316SS	3/8HN-X8-NP	1 7/16	11/16	1 3/4
1/2	3/8HN-X10	3/8HN-X10-SS	3/8HN-X10-316SS	3/8HN-X10-NP	1 5/8	11/16	2 1/16

3/8 NPT Male Thread Hex Nipples with Tube Branches: Reducing Crosses 413





Tube ID	Branches: Branch Number	Dimensions (Reference): A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	19/32	11/16	17/32	17/32
.040 / 1mm	.040	19/32	11/16	17/32	17/32
3/64	.045	19/32	11/16	17/32	17/32
.050	.050	19/32	11/16	17/32	17/32
1/16	1	19/32	11/16	19/32	19/32
5/64 / 2mm	2	19/32	11/16	19/32	19/32
3/32	2 1/2	19/32	11/16	19/32	19/32
1/8	3	19/32	11/16	21/32	21/32
5/32 / 4mm	3 1/2	19/32	11/16	21/32	21/32

Tube ID	Branches: Branch Number	Dimensions (Reference): A Ref.	B Typ.	C Ref.	D Ref.
.170	4	19/32	11/16	11/16	11/16
3/16	5	19/32	11/16	23/32	23/32
7/32	5 1/2	19/32	11/16	23/32	23/32
6mm	5 3/4	1 3/8	11/16	27/32	27/32
1/4	6	1 3/8	11/16	27/32	27/32
5/16 / 8mm	7	1 7/16	11/16	29/32	29/32
3/8	8	1 7/16	11/16	7/8	7/8
1/2	10	1 5/8	11/16	1 1/32	1 1/32

Orifices options listed on page 445!

Part Numbers for 3/8 NPT Hex Nipples with Reducing Cross Branches:

Thread Size → 3/8 HN-RX # - # ← Smaller Branch #

Fitting Series

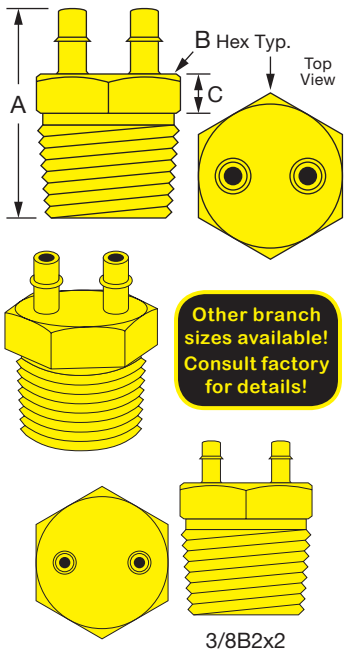
Larger Branch #

Unless otherwise specified, parts will be Brass. To order other materials, add the following codes to the end of the part number:

-SS = Stainless Steel 303 **-316SS** = Stainless Steel 316 **-NP** = Electroless Nickel Plate

414 3/8 NPT Male Thread Straight Manifolds with 2 Branches

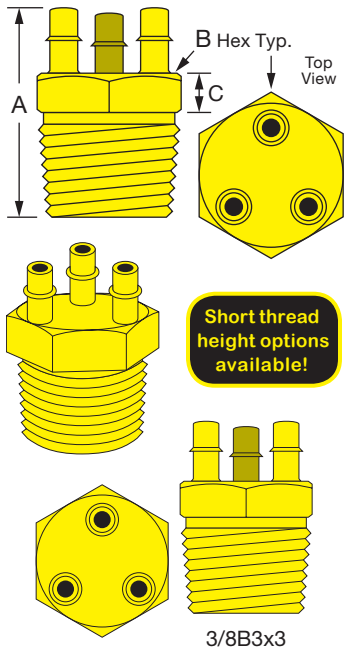
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	3/8B.031x2	3/8B.031x2-SS	3/8B.031x2-316SS	3/8B.031x2-NP	27/32	11/16	3/16
.040 / 1mm	3/8B.040x2	3/8B.040x2-SS	3/8B.040x2-316SS	3/8B.040x2-NP	27/32	11/16	3/16
3/64	3/8B.045x2	3/8B.045x2-SS	3/8B.045x2-316SS	3/8B.045x2-NP	27/32	11/16	3/16
.050	3/8B.050x2	3/8B.050x2-SS	3/8B.050x2-316SS	3/8B.050x2-NP	27/32	11/16	3/16
1/16	3/8B1x2	3/8B1x2-SS	3/8B1x2-316SS	3/8B1x2-NP	29/32	11/16	3/16
5/64 / 2mm	3/8B2x2	3/8B2x2-SS	3/8B2x2-316SS	3/8B2x2-NP	29/32	11/16	3/16
3/32	3/8B2 1/2x2	3/8B2 1/2x2-SS	3/8B2 1/2x2-316SS	3/8B2 1/2x2-NP	29/32	11/16	3/16
1/8	3/8B3x2	3/8B3x2-SS	3/8B3x2-316SS	3/8B3x2-NP	1	11/16	3/16
5/32 / 4mm	3/8B3 1/2x2	3/8B3 1/2x2-SS	3/8B3 1/2x2-316SS	3/8B3 1/2x2-NP	1	11/16	3/16
.170	3/8B4x2	3/8B4x2-SS	3/8B4x2-316SS	3/8B4x2-NP	1 1/32	11/16	3/16
3/16	3/8B5x2	3/8B5x2-SS	3/8B5x2-316SS	3/8B5x2-NP	1 1/16	11/16	3/16
7/32	3/8B5 1/2x2	3/8B5 1/2x2-SS	3/8B5 1/2x2-316SS	3/8B5 1/2x2-NP	1 1/16	11/16	3/16



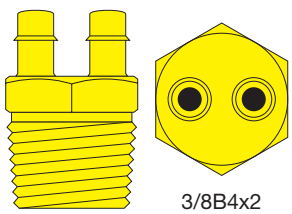
3/8B2x2

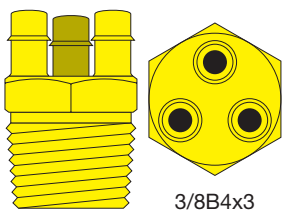
415 3/8 NPT Male Thread Straight Manifolds with 3 Branches

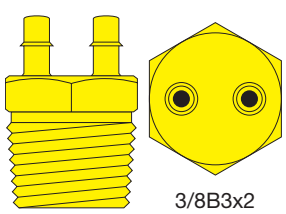
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	3/8B.031x3	3/8B.031x3-SS	3/8B.031x3-316SS	3/8B.031x3-NP	27/32	11/16	3/16
.040 / 1mm	3/8B.040x3	3/8B.040x3-SS	3/8B.040x3-316SS	3/8B.040x3-NP	27/32	11/16	3/16
3/64	3/8B.045x3	3/8B.045x3-SS	3/8B.045x3-316SS	3/8B.045x3-NP	27/32	11/16	3/16
.050	3/8B.050x3	3/8B.050x3-SS	3/8B.050x3-316SS	3/8B.050x3-NP	27/32	11/16	3/16
1/16	3/8B1x3	3/8B1x3-SS	3/8B1x3-316SS	3/8B1x3-NP	29/32	11/16	3/16
5/64 / 2mm	3/8B2x3	3/8B2x3-SS	3/8B2x3-316SS	3/8B2x3-NP	29/32	11/16	3/16
3/32	3/8B2 1/2x3	3/8B2 1/2x3-SS	3/8B2 1/2x3-316SS	3/8B2 1/2x3-NP	29/32	11/16	3/16
1/8	3/8B3x3	3/8B3x3-SS	3/8B3x3-316SS	3/8B3x3-NP	1	11/16	3/16
5/32 / 4mm	3/8B3 1/2x3	3/8B3 1/2x3-SS	3/8B3 1/2x3-316SS	3/8B3 1/2x3-NP	1	11/16	3/16
.170	3/8B4x3	3/8B4x3-SS	3/8B4x3-316SS	3/8B4x3-NP	1 1/32	11/16	3/16
3/16	3/8B5x3	3/8B5x3-SS	3/8B5x3-316SS	3/8B5x3-NP	1 1/16	11/16	3/16
7/32	3/8B5 1/2x3	3/8B5 1/2x3-SS	3/8B5 1/2x3-316SS	3/8B5 1/2x3-NP	1 1/16	11/16	3/16

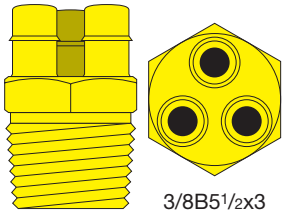


3/8B3x3


3/8B4x2

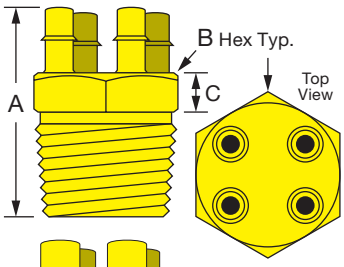

3/8B4x3

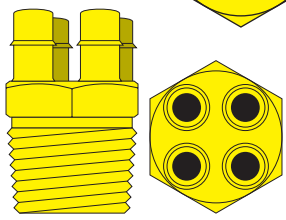

3/8B3x2


3/8B5 1/2x3

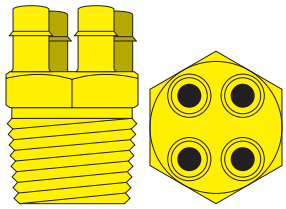
Customize Straight Manifolds with alternate branch locations!! Use the template on page 227 to indicate branch configuration!

3/8 NPT Male Thread Straight Manifolds with 4 Branches — 416





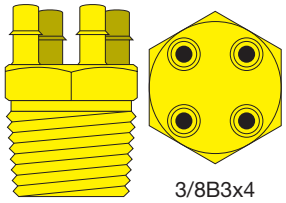
3/8B5x4



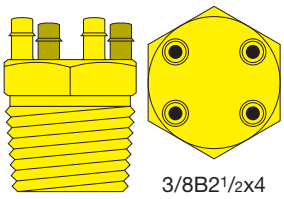
3/8B4x4

Short thread options available!
Consult factory for details!

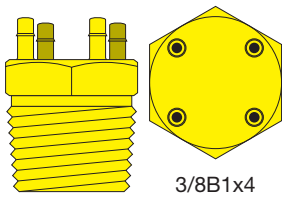
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	3/8B.031x4	3/8B.031x4-SS	3/8B.031x4-316SS	3/8B.031x4-NP	27/32	11/16	3/16
.040 / 1mm	3/8B.040x4	3/8B.040x4-SS	3/8B.040x4-316SS	3/8B.040x4-NP	27/32	11/16	3/16
3/64	3/8B.045x4	3/8B.045x4-SS	3/8B.045x4-316SS	3/8B.045x4-NP	27/32	11/16	3/16
.050	3/8B.050x4	3/8B.050x4-SS	3/8B.050x4-316SS	3/8B.050x4-NP	27/32	11/16	3/16
1/16	3/8B1x4	3/8B1x4-SS	3/8B1x4-316SS	3/8B1x4-NP	29/32	11/16	3/16
5/64 / 2mm	3/8B2x4	3/8B2x4-SS	3/8B2x4-316SS	3/8B2x4-NP	29/32	11/16	3/16
3/32	3/8B2 1/2x4	3/8B2 1/2x4-SS	3/8B2 1/2x4-316SS	3/8B2 1/2x4-NP	29/32	11/16	3/16
1/8	3/8B3x4	3/8B3x4-SS	3/8B3x4-316SS	3/8B3x4-NP	1	11/16	3/16
5/32 / 4mm	3/8B3 1/2x4	3/8B3 1/2x4-SS	3/8B3 1/2x4-316SS	3/8B3 1/2x4-NP	1	11/16	3/16
.170	3/8B4x4	3/8B4x4-SS	3/8B4x4-316SS	3/8B4x4-NP	1 1/32	11/16	3/16
3/16	3/8B5x4	3/8B5x4-SS	3/8B5x4-316SS	3/8B5x4-NP	1 1/16	11/16	3/16



3/8B3x4

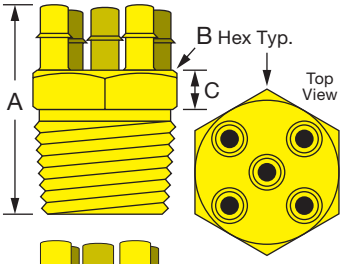


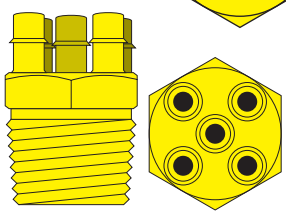
3/8B2 1/2x4



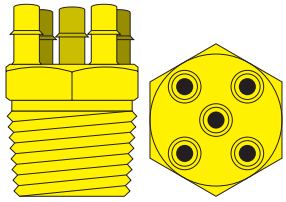
3/8B1x4

3/8 NPT Male Thread Straight Manifolds with 5 Branches — 417





3/8B3 1/2x5

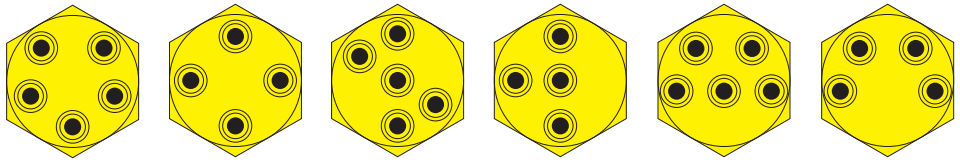


3/8B3x5

Orifice options also available!
Consult factory for details!

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	3/8B.031x5	3/8B.031x5-SS	3/8B.031x5-316SS	3/8B.031x5-NP	27/32	11/16	3/16
.040 / 1mm	3/8B.040x5	3/8B.040x5-SS	3/8B.040x5-316SS	3/8B.040x5-NP	27/32	11/16	3/16
3/64	3/8B.045x5	3/8B.045x5-SS	3/8B.045x5-316SS	3/8B.045x5-NP	27/32	11/16	3/16
.050	3/8B.050x5	3/8B.050x5-SS	3/8B.050x5-316SS	3/8B.050x5-NP	27/32	11/16	3/16
1/16	3/8B1x5	3/8B1x5-SS	3/8B1x5-316SS	3/8B1x5-NP	29/32	11/16	3/16
5/64 / 2mm	3/8B2x5	3/8B2x5-SS	3/8B2x5-316SS	3/8B2x5-NP	29/32	11/16	3/16
3/32	3/8B2 1/2x5	3/8B2 1/2x5-SS	3/8B2 1/2x5-316SS	3/8B2 1/2x5-NP	29/32	11/16	3/16
1/8	3/8B3x5	3/8B3x5-SS	3/8B3x5-316SS	3/8B3x5-NP	1	11/16	3/16
5/32 / 4mm	3/8B3 1/2x5	3/8B3 1/2x5-SS	3/8B3 1/2x5-316SS	3/8B3 1/2x5-NP	1	11/16	3/16

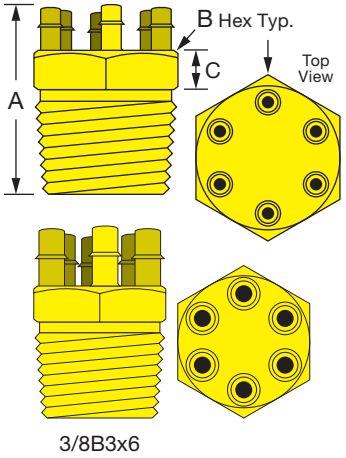
Customize Straight Manifolds with alternate branch locations!



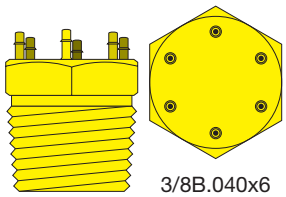
Use the Template on page 227 to indicate branch placement!

418 3/8 NPT Male Thread Straight Manifolds with 6 Branches

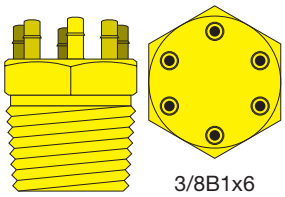
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	3/8B.031x6	3/8B.031x6-SS	3/8B.031x6-316SS	3/8B.031x6-NP	27/32	11/16	3/16
.040 / 1mm	3/8B.040x6	3/8B.040x6-SS	3/8B.040x6-316SS	3/8B.040x6-NP	27/32	11/16	3/16
3/64	3/8B.045x6	3/8B.045x6-SS	3/8B.045x6-316SS	3/8B.045x6-NP	27/32	11/16	3/16
.050	3/8B.050x6	3/8B.050x6-SS	3/8B.050x6-316SS	3/8B.050x6-NP	27/32	11/16	3/16
1/16	3/8B1x6	3/8B1x6-SS	3/8B1x6-316SS	3/8B1x6-NP	29/32	11/16	3/16
5/64 / 2mm	3/8B2x6	3/8B2x6-SS	3/8B2x6-316SS	3/8B2x6-NP	29/32	11/16	3/16
3/32	3/8B2 1/2x6	3/8B2 1/2x6-SS	3/8B2 1/2x6-316SS	3/8B2 1/2x6-NP	29/32	11/16	3/16
1/8	3/8B3x6	3/8B3x6-SS	3/8B3x6-316SS	3/8B3x6-NP	1	11/16	3/16



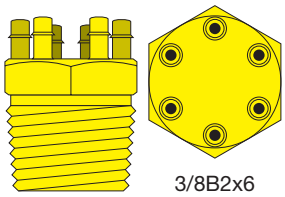
3/8B3x6



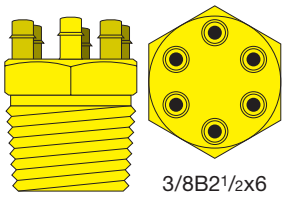
3/8B.040x6



3/8B1x6



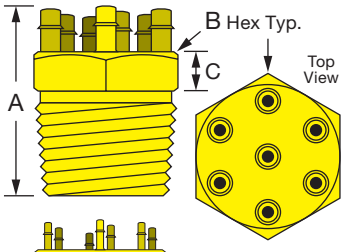
3/8B2x6



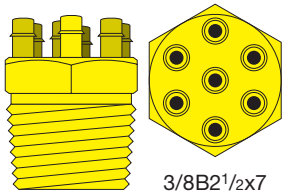
3/8B2 1/2x6

419 3/8 NPT Male Thread Straight Manifolds with 7 Branches

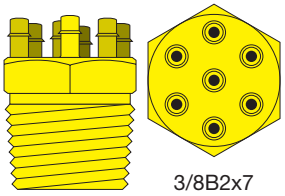
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	3/8B.031x7	3/8B.031x7-SS	3/8B.031x7-316SS	3/8B.031x7-NP	27/32	11/16	3/16
.040 / 1mm	3/8B.040x7	3/8B.040x7-SS	3/8B.040x7-316SS	3/8B.040x7-NP	27/32	11/16	3/16
3/64	3/8B.045x7	3/8B.045x7-SS	3/8B.045x7-316SS	3/8B.045x7-NP	27/32	11/16	3/16
.050	3/8B.050x7	3/8B.050x7-SS	3/8B.050x7-316SS	3/8B.050x7-NP	27/32	11/16	3/16
1/16	3/8B1x7	3/8B1x7-SS	3/8B1x7-316SS	3/8B1x7-NP	29/32	11/16	3/16
5/64 / 2mm	3/8B2x7	3/8B2x7-SS	3/8B2x7-316SS	3/8B2x7-NP	29/32	11/16	3/16
3/32	3/8B2 1/2x7	3/8B2 1/2x7-SS	3/8B2 1/2x7-316SS	3/8B2 1/2x7-NP	29/32	11/16	3/16



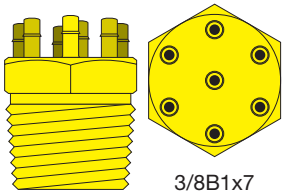
3/8B.031x7



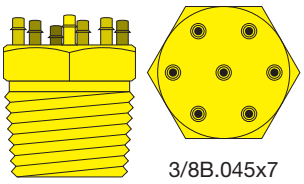
3/8B2 1/2x7



3/8B2x7

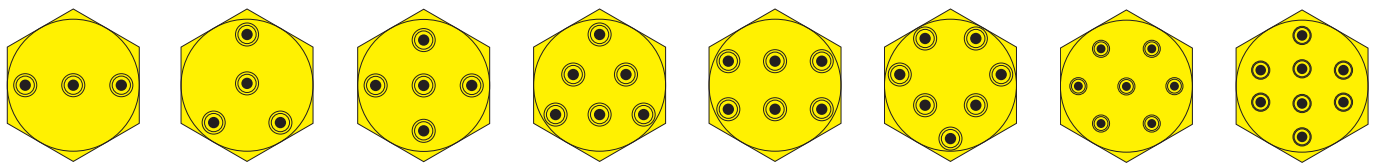


3/8B1x7



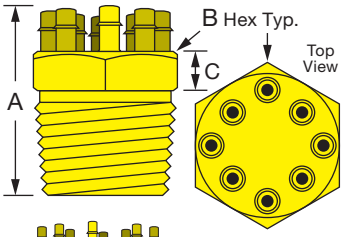
3/8B.045x7

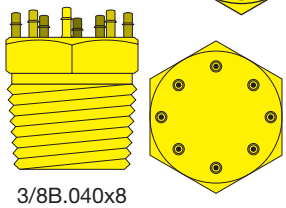
Customize Straight Manifolds with alternate branch locations! Use the Template on page 227 to indicate branch placement!



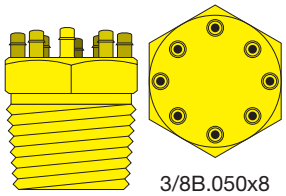
Short thread height and smaller branch sizes also available! Lead times and minimum quantities apply! Consult factory for details!

3/8 NPT Male Thread Straight Manifolds with 8 Branches — 420



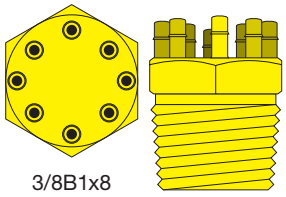


3/8B.040x8

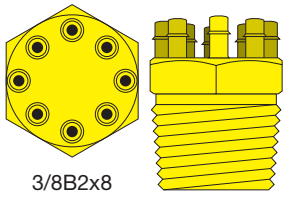


3/8B.050x8

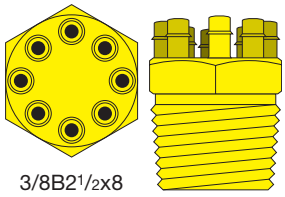
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	3/8B.031x8	3/8B.031x8-SS	3/8B.031x8-316SS	3/8B.031x8-NP	27/32	11/16	3/16
.040 / 1mm	3/8B.040x8	3/8B.040x8-SS	3/8B.040x8-316SS	3/8B.040x8-NP	27/32	11/16	3/16
3/64	3/8B.045x8	3/8B.045x8-SS	3/8B.045x8-316SS	3/8B.045x8-NP	27/32	11/16	3/16
.050	3/8B.050x8	3/8B.050x8-SS	3/8B.050x8-316SS	3/8B.050x8-NP	27/32	11/16	3/16
1/16	3/8B1x8	3/8B1x8-SS	3/8B1x8-316SS	3/8B1x8-NP	29/32	11/16	3/16
5/64 / 2mm	3/8B2x8	3/8B2x8-SS	3/8B2x8-316SS	3/8B2x8-NP	29/32	11/16	3/16
3/32	3/8B2 1/2x8	3/8B2 1/2x8-SS	3/8B2 1/2x8-316SS	3/8B2 1/2x8-NP	29/32	11/16	3/16



3/8B1x8

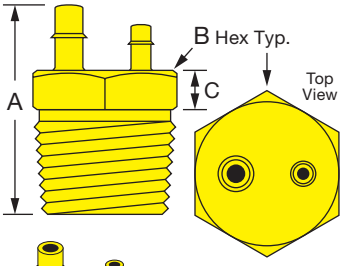


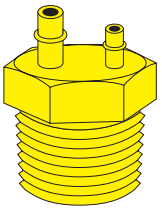
3/8B2x8



3/8B2 1/2x8

3/8 NPT Male Thread Straight Reducing Manifolds with 2 Branches — 421





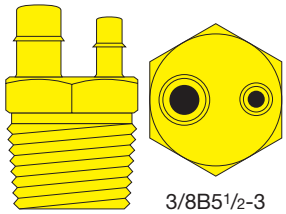
Material options listed on next page!

Tube ID	Branches: Branch Number	Dimensions (Reference): A Ref.	B Typ.	C Ref.
1/32	.031	27/32	11/16	3/16
.040 / 1mm	.040	27/32	11/16	3/16
3/64	.045	27/32	11/16	3/16
.050	.050	27/32	11/16	3/16
1/16	1	29/32	11/16	3/16
5/64 / 2mm	2	29/32	11/16	3/16

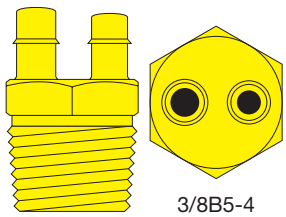
Tube ID	Branches: Branch Number	Dimensions (Reference): A Ref.	B Typ.	C Ref.
3/32	2 1/2	29/32	11/16	3/16
1/8	3	1	11/16	3/16
5/32 / 4mm	3 1/2	1	11/16	3/16
.170	4	1 1/32	11/16	3/16
3/16	5	1 1/16	11/16	3/16
7/32	5 1/2	1 1/16	11/16	3/16

Part Numbers for 3/8 NPT Straight Reducing Manifolds with 2 Branches:

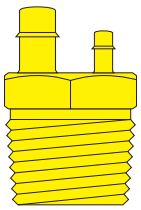
Thread Size → 3/8 — B (Fitting Series) — # (Larger Branch #) - # (Smaller Branch #)



3/8B5 1/2-3



3/8B5-4



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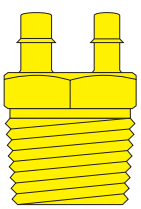
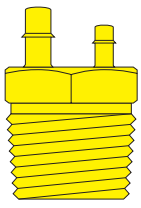
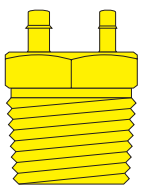


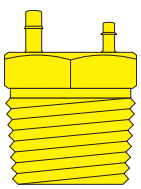
3/8B3 1/2-3



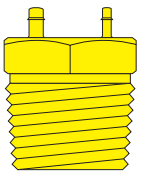
3/8B3-2



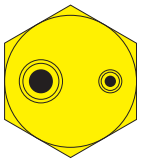
3/8B2 1/2-1

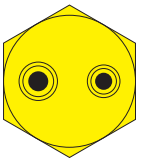


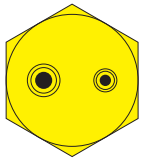
3/8B1-.045

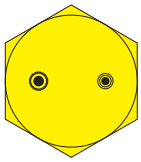


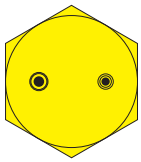
3/8B.050-.040

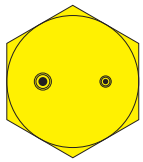










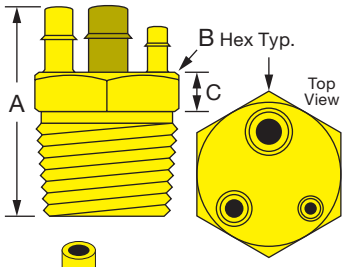


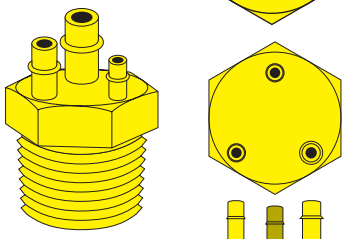
Customize Straight Manifolds with alternate branch locations! Use the template on page 227 to indicate branch sizes & placement!

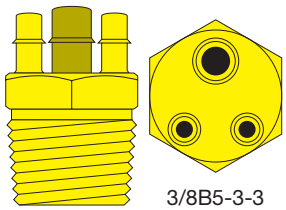
422 3/8 NPT Male Thread Straight Reducing Manifolds with 3 Branches

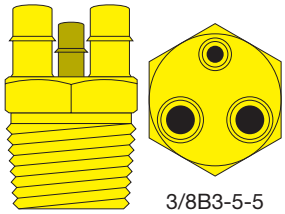
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/32	.031	27/32	11/16	3/16
.040 / 1mm	.040	27/32	11/16	3/16
3/64	.045	27/32	11/16	3/16
.050	.050	27/32	11/16	3/16
1/16	1	29/32	11/16	3/16
5/64 / 2mm	2	29/32	11/16	3/16

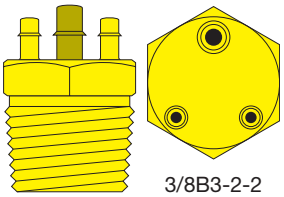
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
3/32	2 1/2	29/32	11/16	3/16
1/8	3	1	11/16	3/16
5/32 / 4mm	3 1/2	1	11/16	3/16
.170	4	1 1/32	11/16	3/16
3/16	5	1 1/16	11/16	3/16
7/32	5 1/2	1 1/16	11/16	3/16



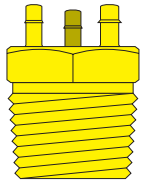



3/8B5-3-3

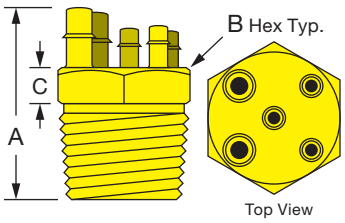

3/8B3-5-5


3/8B3-2-2

Short thread height options also available! Consult factory for details!



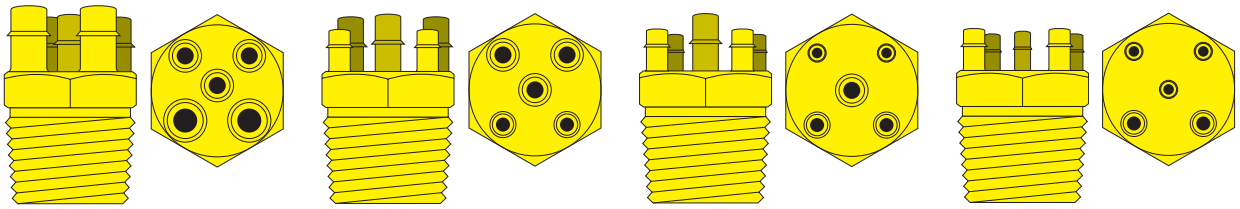
3/8 NPT Male Thread Straight Reducing Manifolds with 5 Branches 424



Use the template on page 227 to indicate branch configuration!

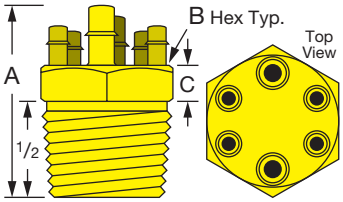
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/32	.031	27/32	11/16	3/16
.040 / 1mm	.040	27/32	11/16	3/16
3/64	.045	27/32	11/16	3/16
.050	.050	27/32	11/16	3/16
1/16	1	29/32	11/16	3/16

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
5/64 / 2mm	2	29/32	11/16	3/16
3/32	2 1/2	29/32	11/16	3/16
1/8	3	1	11/16	3/16
5/32 / 4mm	3 1/2	1	11/16	3/16
.170	4	1 1/32	11/16	3/16



Material options listed on next page!

3/8 NPT Male Thread Straight Reducing Manifolds with 6 Branches 425

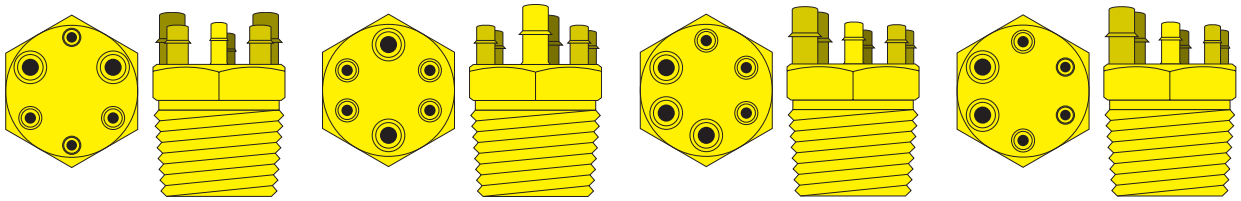


Use the template on page 227 to indicate branch options!

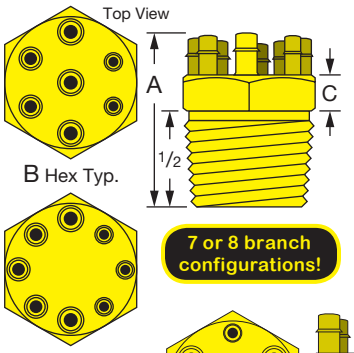
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/32	.031	27/32	11/16	3/16
.040 / 1mm	.040	27/32	11/16	3/16
3/64	.045	27/32	11/16	3/16
.050	.050	27/32	11/16	3/16

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/16	1	29/32	11/16	3/16
5/64 / 2mm	2	29/32	11/16	3/16
3/32	2 1/2	29/32	11/16	3/16
1/8	3	1	11/16	3/16

Material options listed on next page!



3/8 NPT Male Thread Reducing Straight Manifolds with 7 or 8 Branches 426



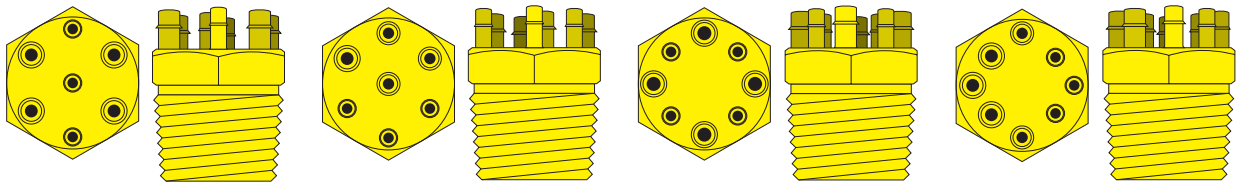
7 or 8 branch configurations!

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/32	.031	27/32	11/16	3/16
.040 / 1mm	.040	27/32	11/16	3/16
3/64	.045	27/32	11/16	3/16
.050	.050	27/32	11/16	3/16

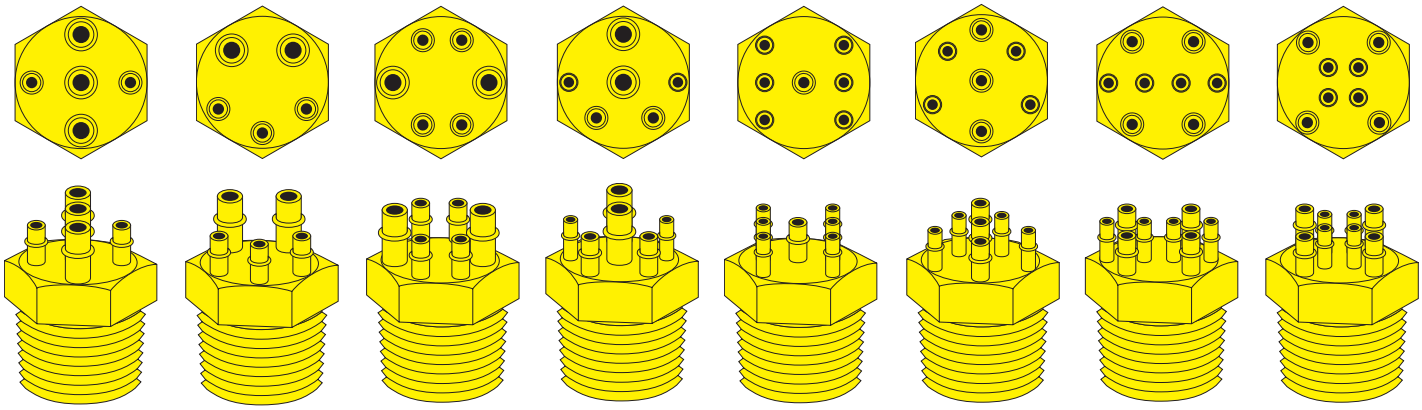
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/16	1	29/32	11/16	3/16
5/64 / 2mm	2	29/32	11/16	3/16
3/32	2 1/2	29/32	11/16	3/16

Use template on pg. 227 to indicate branch sizes!

Material options listed on next page!



3/8 NPT Male Thread Straight Reducing Manifolds Custom Branch Configurations



Customize Straight Manifolds with alternate branch locations! Use the template below to indicate branch sizes & placement!

Unless otherwise specified, parts will be Brass. To order other materials, add the following codes to the end of the part number:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

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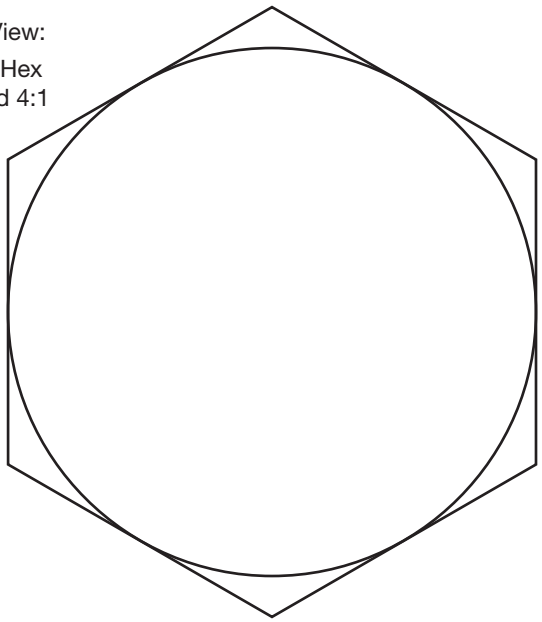
3/8 NPT Male Thread Straight Manifold Template for Branch Sizes and Locations

To Use:

Indicate the desired location of each branch by writing the numbers 1 through 8 (1 = 1st Branch, etc.) on the hex diagram below. Mark the coordinating Branch Number (size) in the chart below. Reference tables on pages 221 - 226 and above for Branch Numbers and Tube ID's. Upon receipt of this template, a part number* will be issued. ***Note:*** The number of branches that will fit on the manifold hex will vary depending on the branch sizes desired. ***Consult factory for details!***

Top View:
11/16 Hex
Scaled 4:1



Branch Numbers:

1st Branch (1) = _____ 5th Branch (5) = _____

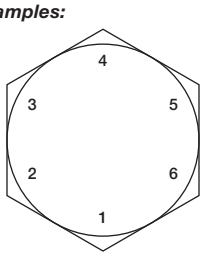
2nd Branch (2) = _____ 6th Branch (6) = _____

3rd Branch (3) = _____ 7th Branch (7) = _____

4th Branch (4) = _____ 8th Branch (8) = _____

*Part numbers will vary depending on branch configuration.

Examples:



Branch Numbers:

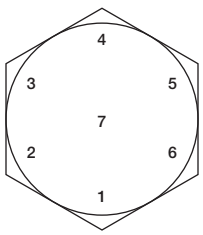
1st Branch (1) = *3* 5th Branch (5) = *1*

2nd Branch (2) = *3* 6th Branch (6) = *1*

3rd Branch (3) = *3* 7th Branch (7) = *n/a*

4th Branch (4) = *2* 8th Branch (8) = *n/a*

Three #3 Branches (1st, 2nd, 3rd)
One #2 Branches (4th) *Two* #1 Branches (5th, 6th)



Branch Numbers:

1st Branch (1) = *2* 5th Branch (5) = *1*

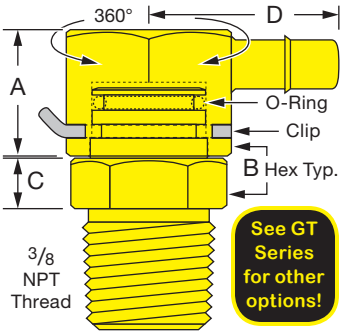
2nd Branch (2) = *2* 6th Branch (6) = *.050*

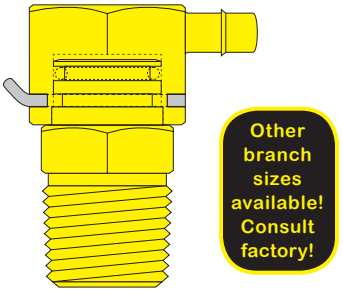
3rd Branch (3) = *1* 7th Branch (7) = *2 1/2*

4th Branch (4) = *.050* 8th Branch (8) = *n/a*

Two #2 Branches (1st, 2nd) *Two* #1 Branches (3rd, 5th)
Two #.050 Branches (4th, 6th) *One* #2 1/2 Branches (7th)

3/8 NPT Male Thread to Tube Swivel Elbows with Clip Groove 427





3/8SW-LB5-GT

Tube ID	Part Numbers				Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/16	3/8SW-LB1-GT	3/8SW-LB1-GT-SS	3/8SW-LB1-GT-316SS	3/8SW-LB1-GT-NP	Consult Factory	Consult Factory	Consult Factory	Consult Factory
5/64 / 2mm	3/8SW-LB2-GT	3/8SW-LB2-GT-SS	3/8SW-LB2-GT-316SS	3/8SW-LB2-GT-NP				
3/32	3/8SW-LB2 1/2-GT	3/8SW-LB2 1/2-GT-SS	3/8SW-LB2 1/2-GT-316SS	3/8SW-LB2 1/2-GT-NP				
1/8	3/8SW-LB3-GT	3/8SW-LB3-GT-SS	3/8SW-LB3-GT-316SS	3/8SW-LB3-GT-NP				
5/32 / 4mm	3/8SW-LB3 1/2-GT	3/8SW-LB3 1/2-GT-SS	3/8SW-LB3 1/2-GT-316SS	3/8SW-LB3 1/2-GT-NP				
.170	3/8SW-LB4-GT	3/8SW-LB4-GT-SS	3/8SW-LB4-GT-316SS	3/8SW-LB4-GT-NP				
3/16	3/8SW-LB5-GT	3/8SW-LB5-GT-SS	3/8SW-LB5-GT-316SS	3/8SW-LB5-GT-NP				
7/32	3/8SW-LB5 1/2-GT	3/8SW-LB5 1/2-GT-SS	3/8SW-LB5 1/2-GT-316SS	3/8SW-LB5 1/2-GT-NP				
6mm	3/8SW-LB5 3/4-GT	3/8SW-LB5 3/4-GT-SS	3/8SW-LB5 3/4-GT-316SS	3/8SW-LB5 3/4-GT-NP				
1/4	3/8SW-LB6-GT	3/8SW-LB6-GT-SS	3/8SW-LB6-GT-316SS	3/8SW-LB6-GT-NP				
5/16 / 8mm	3/8SW-LB7-GT	3/8SW-LB7-GT-SS	3/8SW-LB7-GT-316SS	3/8SW-LB7-GT-NP				
3/8	3/8SW-LB8-GT	3/8SW-LB8-GT-SS	3/8SW-LB8-GT-316SS	3/8SW-LB8-GT-NP				
1/2	3/8SW-LB10-GT	3/8SW-LB10-GT-SS	3/8SW-LB10-GT-316SS	3/8SW-LB10-GT-NP				

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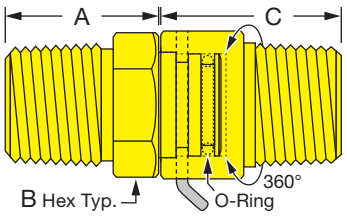
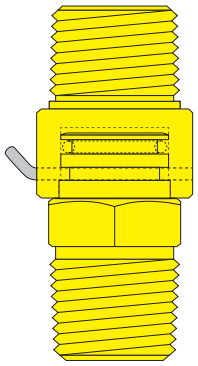
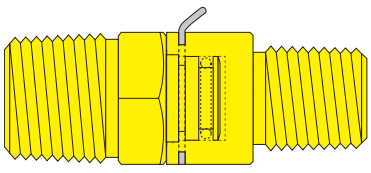
3/8 NPT Male Thread Swivel Nipples and Reducing Swivel Nipples 428



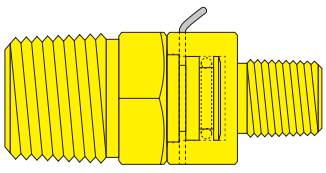


3/8SWN-GT

9 O'clock Thread Size	3 O'clock Thread Size	Part Numbers					Dimensions (Reference)		
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
3/8	3/8	3/8SWN-GT	3/8SWN-GT-SS	3/8SWN-GT-316SS	3/8SWN-GT-AL	3/8SWN-GT-NP	Consult Factory	Consult Factory	Consult Factory
3/8	1/4	3/8RSWN-1/4-GT	3/8RSWN-1/4-GT-SS	3/8RSWN-1/4-GT-316SS	3/8RSWN-1/4-GT-AL	3/8RSWN-1/4-GT-NP			
3/8	1/8	3/8RSWN-1/8-GT	3/8RSWN-1/8-GT-SS	3/8RSWN-1/8-GT-316SS	3/8RSWN-1/8-GT-AL	3/8RSWN-1/8-GT-NP			
3/8	5/16-24	3/8RSWN-5/16-24-GT	3/8RSWN-5/16-24-GT-SS	3/8RSWN-5/16-24-GT-316SS	3/8RSWN-5/16-24-GT-AL	3/8RSWN-5/16-24-GT-NP			
3/8	5/16-18	3/8RSWN-5/16-18-GT	3/8RSWN-5/16-18-GT-SS	3/8RSWN-5/16-18-GT-316SS	3/8RSWN-5/16-18-GT-AL	3/8RSWN-5/16-18-GT-NP			
3/8	1/16	3/8RSWN-1/16-GT	3/8RSWN-1/16-GT-SS	3/8RSWN-1/16-GT-316SS	3/8RSWN-1/16-GT-AL	3/8RSWN-1/16-GT-NP			
3/8	1/4-28	3/8RSWN-4-28-GT	3/8RSWN-4-28-GT-SS	3/8RSWN-4-28-GT-316SS	3/8RSWN-4-28-GT-AL	3/8RSWN-4-28-GT-NP			
3/8	1/4-20	3/8RSWN-4-20-GT	3/8RSWN-4-20-GT-SS	3/8RSWN-4-20-GT-316SS	3/8RSWN-4-20-GT-AL	3/8RSWN-4-20-GT-NP			
3/8	10-32	3/8RSWN-10-GT	3/8RSWN-10-GT-SS	3/8RSWN-10-GT-316SS	3/8RSWN-10-GT-AL	3/8RSWN-10-GT-NP			



3/8RSWN-1/4-GT

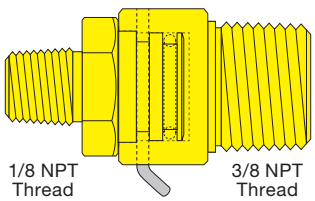


3/8RSWN-1/8-GT

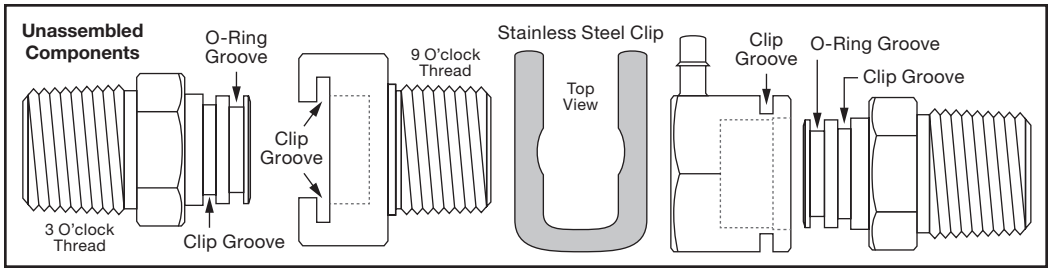
More Swivel options available! Consult factory for details!

O-Ring options are available for straight threads! O-Ring materials are listed on page 65!

Alternate Swivel Nipple combinations are available!

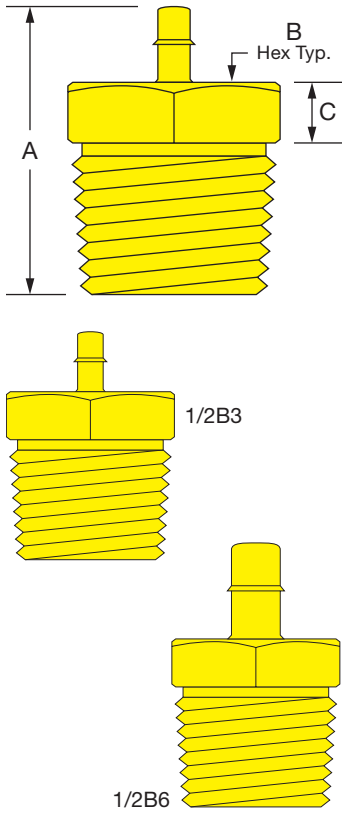


Consult factory for details!



429 — 1/2 NPT Male Thread to Tube

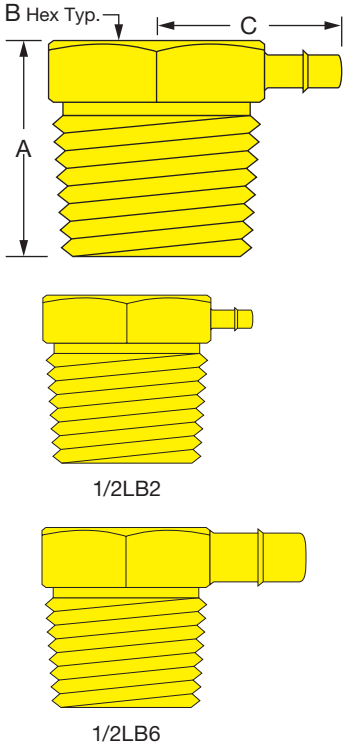
Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/2B.031	1/2B.031-SS	1/2B.031-316SS	**N/A**	1/2B.031-NP	1 1/32	7/8	1/4
.040 / 1mm	1/2B.040	1/2B.040-SS	1/2B.040-316SS	**N/A**	1/2B.040-NP	1 1/32	7/8	1/4
3/64	1/2B.045	1/2B.045-SS	1/2B.045-316SS	**N/A**	1/2B.045-NP	1 1/32	7/8	1/4
.050	1/2B.050	1/2B.050-SS	1/2B.050-316SS	**N/A**	1/2B.050-NP	1 1/32	7/8	1/4
1/16	1/2B1	1/2B1-SS	1/2B1-316SS	1/2B1-AL	1/2B1-NP	1 3/32	7/8	1/4
5/64 / 2mm	1/2B2	1/2B2-SS	1/2B2-316SS	1/2B2-AL	1/2B2-NP	1 3/32	7/8	1/4
3/32	1/2B2 1/2	1/2B2 1/2-SS	1/2B2 1/2-316SS	1/2B2 1/2-AL	1/2B2 1/2-NP	1 3/32	7/8	1/4
1/8	1/2B3	1/2B3-SS	1/2B3-316SS	1/2B3-AL	1/2B3-NP	1 3/16	7/8	1/4
3/32 / 4mm	1/2B3 1/2	1/2B3 1/2-SS	1/2B3 1/2-316SS	1/2B3 1/2-AL	1/2B3 1/2-NP	1 3/16	7/8	1/4
.170	1/2B4	1/2B4-SS	1/2B4-316SS	1/2B4-AL	1/2B4-NP	1 7/32	7/8	1/4
3/16	1/2B5	1/2B5-SS	1/2B5-316SS	1/2B5-AL	1/2B5-NP	1 1/4	7/8	1/4
7/32	1/2B5 1/2	1/2B5 1/2-SS	1/2B5 1/2-316SS	1/2B5 1/2-AL	1/2B5 1/2-NP	1 1/4	7/8	1/4
6mm	1/2B5 3/4	1/2B5 3/4-SS	1/2B5 3/4-316SS	1/2B5 3/4-AL	1/2B5 3/4-NP	1 3/8	7/8	1/4
1/4	1/2B6	1/2B6-SS	1/2B6-316SS	1/2B6-AL	1/2B6-NP	1 3/8	7/8	1/4
5/16 / 8mm	1/2B7	1/2B7-SS	1/2B7-316SS	1/2B7-AL	1/2B7-NP	1 1/2	7/8	1/4
3/8	1/2B8	1/2B8-SS	1/2B8-316SS	1/2B8-AL	1/2B8-NP	1 13/32	7/8	1/4
1/2	1/2B10	1/2B10-SS	1/2B10-316SS	1/2B10-AL	1/2B10-NP	1 5/8	7/8	1/4



P

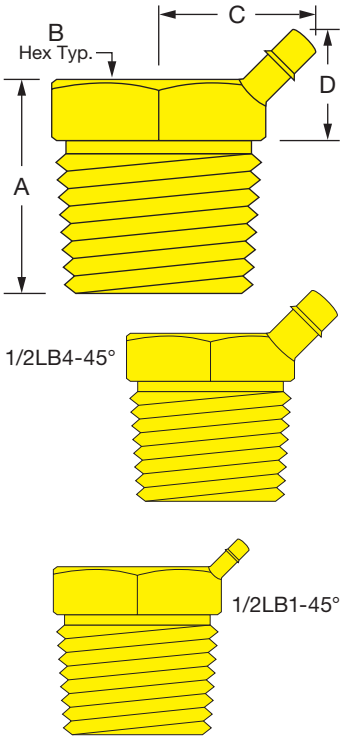
430 — 1/2 NPT Male Thread to Tube Elbows

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/2LB.031	1/2LB.031-SS	1/2LB.031-316SS	1/2LB.031-NP	7/8	7/8	19/32
.040 / 1mm	1/2LB.040	1/2LB.040-SS	1/2LB.040-316SS	1/2LB.040-NP	7/8	7/8	19/32
3/64	1/2LB.045	1/2LB.045-SS	1/2LB.045-316SS	1/2LB.045-NP	7/8	7/8	19/32
.050	1/2LB.050	1/2LB.050-SS	1/2LB.050-316SS	1/2LB.050-NP	7/8	7/8	19/32
1/16	1/2LB1	1/2LB1-SS	1/2LB1-316SS	1/2LB1-NP	7/8	7/8	21/32
5/64 / 2mm	1/2LB2	1/2LB2-SS	1/2LB2-316SS	1/2LB2-NP	7/8	7/8	21/32
3/32	1/2LB2 1/2	1/2LB2 1/2-SS	1/2LB2 1/2-316SS	1/2LB2 1/2-NP	7/8	7/8	21/32
1/8	1/2LB3	1/2LB3-SS	1/2LB3-316SS	1/2LB3-NP	7/8	7/8	3/4
5/32 / 4mm	1/2LB3 1/2	1/2LB3 1/2-SS	1/2LB3 1/2-316SS	1/2LB3 1/2-NP	7/8	7/8	3/4
.170	1/2LB4	1/2LB4-SS	1/2LB4-316SS	1/2LB4-NP	7/8	7/8	25/32
3/16	1/2LB5	1/2LB5-SS	1/2LB5-316SS	1/2LB5-NP	7/8	7/8	13/16
7/32	1/2LB5 1/2	1/2LB5 1/2-SS	1/2LB5 1/2-316SS	1/2LB5 1/2-NP	7/8	7/8	13/16
6mm	1/2LB5 3/4	1/2LB5 3/4-SS	1/2LB5 3/4-316SS	1/2LB5 3/4-NP	15/16	7/8	15/16
1/4	1/2LB6	1/2LB6-SS	1/2LB6-316SS	1/2LB6-NP	15/16	7/8	15/16
5/16 / 8mm	1/2LB7	1/2LB7-SS	1/2LB7-316SS	1/2LB7-NP	1 1/16	7/8	1 1/16
3/8	1/2LB8	1/2LB8-SS	1/2LB8-316SS	1/2LB8-NP	1 1/16	7/8	31/32
1/2	1/2LB10	1/2LB10-SS	1/2LB10-316SS	1/2LB10-NP	1 1/4	7/8	1 3/16



Note: *Images are for visual representation only; not intended for dimensional measurements. Dimensions may vary at time of manufacturing. Consult factory for details!*

1/2 NPT Male Thread to Tube 45° Elbows 431

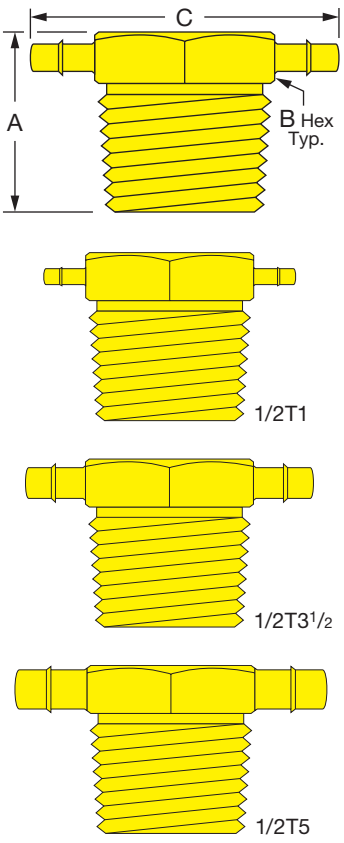


Note: *For systems that do not allow the degree symbol (°) to be used, substitute with the designation 'DEG' in the part number.*

Tube ID	Part Numbers				Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/32	1/2LB.031-45°	1/2LB.031-45°-SS	1/2LB.031-45°-316SS	1/2LB.031-45°-NP	7/8	7/8	Consult Factory	Consult Factory
.040 / 1mm	1/2LB.040-45°	1/2LB.040-45°-SS	1/2LB.040-45°-316SS	1/2LB.040-45°-NP	7/8	7/8	Consult Factory	Consult Factory
3/64	1/2LB.045-45°	1/2LB.045-45°-SS	1/2LB.045-45°-316SS	1/2LB.045-45°-NP	7/8	7/8	Consult Factory	Consult Factory
.050	1/2LB.050-45°	1/2LB.050-45°-SS	1/2LB.050-45°-316SS	1/2LB.050-45°-NP	7/8	7/8	Consult Factory	Consult Factory
1/16	1/2LB1-45°	1/2LB1-45°-SS	1/2LB1-45°-316SS	1/2LB1-45°-NP	7/8	7/8	Consult Factory	Consult Factory
5/64 / 2mm	1/2LB2-45°	1/2LB2-45°-SS	1/2LB2-45°-316SS	1/2LB2-45°-NP	7/8	7/8	Consult Factory	Consult Factory
3/32	1/2LB2 1/2-45°	1/2LB2 1/2-45°-SS	1/2LB2 1/2-45°-316SS	1/2LB2 1/2-45°-NP	7/8	7/8	Consult Factory	Consult Factory
1/8	1/2LB3-45°	1/2LB3-45°-SS	1/2LB3-45°-316SS	1/2LB3-45°-NP	7/8	7/8	Consult Factory	Consult Factory
5/32 / 4mm	1/2LB3 1/2-45°	1/2LB3 1/2-45°-SS	1/2LB3 1/2-45°-316SS	1/2LB3 1/2-45°-NP	7/8	7/8	Consult Factory	Consult Factory
.170	1/2LB4-45°	1/2LB4-45°-SS	1/2LB4-45°-316SS	1/2LB4-45°-NP	7/8	7/8	Consult Factory	Consult Factory
3/16	1/2LB5-45°	1/2LB5-45°-SS	1/2LB5-45°-316SS	1/2LB5-45°-NP	7/8	7/8	Consult Factory	Consult Factory
7/32	1/2LB5 1/2-45°	1/2LB5 1/2-45°-SS	1/2LB5 1/2-45°-316SS	1/2LB5 1/2-45°-NP	7/8	7/8	Consult Factory	Consult Factory
6mm	1/2LB5 3/4-45°	1/2LB5 3/4-45°-SS	1/2LB5 3/4-45°-316SS	1/2LB5 3/4-45°-NP	15/16	7/8	Consult Factory	Consult Factory
1/4	1/2LB6-45°	1/2LB6-45°-SS	1/2LB6-45°-316SS	1/2LB6-45°-NP	15/16	7/8	Consult Factory	Consult Factory
5/16 / 8mm	1/2LB7-45°	1/2LB7-45°-SS	1/2LB7-45°-316SS	1/2LB7-45°-NP	1 1/16	7/8	Consult Factory	Consult Factory
3/8	1/2LB8-45°	1/2LB8-45°-SS	1/2LB8-45°-316SS	1/2LB8-45°-NP	1 1/16	7/8	Consult Factory	Consult Factory
1/2	1/2LB10-45°	1/2LB10-45°-SS	1/2LB10-45°-316SS	1/2LB10-45°-NP	1 9/32	7/8	Consult Factory	Consult Factory

P

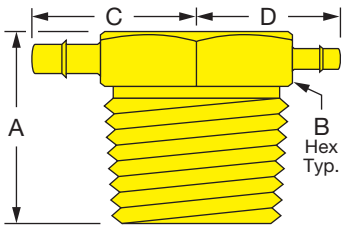
1/2 NPT Male Thread to Tube Tees 432

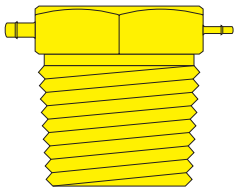


Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/2T.031	1/2T.031-SS	1/2T.031-316SS	1/2T.031-NP	7/8	7/8	1 3/16
.040 / 1mm	1/2T.040	1/2T.040-SS	1/2T.040-316SS	1/2T.040-NP	7/8	7/8	1 3/16
3/64	1/2T.045	1/2T.045-SS	1/2T.045-316SS	1/2T.045-NP	7/8	7/8	1 3/16
.050	1/2T.050	1/2T.050-SS	1/2T.050-316SS	1/2T.050-NP	7/8	7/8	1 3/16
1/16	1/2T1	1/2T1-SS	1/2T1-316SS	1/2T1-NP	7/8	7/8	1 5/16
5/64 / 2mm	1/2T2	1/2T2-SS	1/2T2-316SS	1/2T2-NP	7/8	7/8	1 5/16
3/32	1/2T2 1/2	1/2T2 1/2-SS	1/2T2 1/2-316SS	1/2T2 1/2-NP	7/8	7/8	1 5/16
1/8	1/2T3	1/2T3-SS	1/2T3-316SS	1/2T3-NP	7/8	7/8	1 1/2
5/32 / 4mm	1/2T3 1/2	1/2T3 1/2-SS	1/2T3 1/2-316SS	1/2T3 1/2-NP	7/8	7/8	1 1/2
.170	1/2T4	1/2T4-SS	1/2T4-316SS	1/2T4-NP	7/8	7/8	1 9/16
3/16	1/2T5	1/2T5-SS	1/2T5-316SS	1/2T5-NP	7/8	7/8	1 5/8
7/32	1/2T5 1/2	1/2T5 1/2-SS	1/2T5 1/2-316SS	1/2T5 1/2-NP	7/8	7/8	1 5/8
6mm	1/2T5 3/4	1/2T5 3/4-SS	1/2T5 3/4-316SS	1/2T5 3/4-NP	15/16	7/8	1 7/8
1/4	1/2T6	1/2T6-SS	1/2T6-316SS	1/2T6-NP	15/16	7/8	1 7/8
5/16 / 8mm	1/2T7	1/2T7-SS	1/2T7-316SS	1/2T7-NP	1 1/16	7/8	2 1/8
3/8	1/2T8	1/2T8-SS	1/2T8-316SS	1/2T8-NP	1 1/16	7/8	1 15/16
1/2	1/2T10	1/2T10-SS	1/2T10-316SS	1/2T10-NP	1 1/4	7/8	2 3/8

433 1/2 NPT Male Thread to Tube Reducing Tees

Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
.040 / 1mm	1/32	1/2RT.040-.031	1/2RT.040-.031-SS	1/2RT.040-.031-316SS	1/2RT.040-.031-NP	7/8	7/8	19/32	19/32
3/64	1/32	1/2RT.045-.031	1/2RT.045-.031-SS	1/2RT.045-.031-316SS	1/2RT.045-.031-NP	7/8	7/8	19/32	19/32
3/64	.040 / 1mm	1/2RT.045-.040	1/2RT.045-.040-SS	1/2RT.045-.040-316SS	1/2RT.045-.040-NP	7/8	7/8	19/32	19/32
.050	1/32	1/2RT.050-.031	1/2RT.050-.031-SS	1/2RT.050-.031-316SS	1/2RT.050-.031-NP	7/8	7/8	19/32	19/32
.050	.040 / 1mm	1/2RT.050-.040	1/2RT.050-.040-SS	1/2RT.050-.040-316SS	1/2RT.050-.040-NP	7/8	7/8	19/32	19/32
.050	1/64	1/2RT.050-.045	1/2RT.050-.045-SS	1/2RT.050-.045-316SS	1/2RT.050-.045-NP	7/8	7/8	19/32	19/32
1/16	1/32	1/2RT1-.031	1/2RT1-.031-SS	1/2RT1-.031-316SS	1/2RT1-.031-NP	7/8	7/8	21/32	19/32
1/16	.040 / 1mm	1/2RT1-.040	1/2RT1-.040-SS	1/2RT1-.040-316SS	1/2RT1-.040-NP	7/8	7/8	21/32	19/32
1/16	3/64	1/2RT1-.045	1/2RT1-.045-SS	1/2RT1-.045-316SS	1/2RT1-.045-NP	7/8	7/8	21/32	19/32
1/16	.050	1/2RT1-.050	1/2RT1-.050-SS	1/2RT1-.050-316SS	1/2RT1-.050-NP	7/8	7/8	21/32	19/32
5/64 / 2mm	1/32	1/2RT2-.031	1/2RT2-.031-SS	1/2RT2-.031-316SS	1/2RT2-.031-NP	7/8	7/8	21/32	19/32
5/64 / 2mm	.040 / 1mm	1/2RT2-.040	1/2RT2-.040-SS	1/2RT2-.040-316SS	1/2RT2-.040-NP	7/8	7/8	21/32	19/32
5/64 / 2mm	3/64	1/2RT2-.045	1/2RT2-.045-SS	1/2RT2-.045-316SS	1/2RT2-.045-NP	7/8	7/8	21/32	19/32
5/64 / 2mm	.050	1/2RT2-.050	1/2RT2-.050-SS	1/2RT2-.050-316SS	1/2RT2-.050-NP	7/8	7/8	21/32	19/32
5/64 / 2mm	1/16	1/2RT2-1	1/2RT2-1-SS	1/2RT2-1-316SS	1/2RT2-1-NP	7/8	7/8	21/32	21/32
3/32	1/32	1/2RT2 1/2-.031	1/2RT2 1/2-.031-SS	1/2RT2 1/2-.031-316SS	1/2RT2 1/2-.031-NP	7/8	7/8	21/32	19/32
3/32	.040 / 1mm	1/2RT2 1/2-.040	1/2RT2 1/2-.040-SS	1/2RT2 1/2-.040-316SS	1/2RT2 1/2-.040-NP	7/8	7/8	21/32	19/32
3/32	3/64	1/2RT2 1/2-.045	1/2RT2 1/2-.045-SS	1/2RT2 1/2-.045-316SS	1/2RT2 1/2-.045-NP	7/8	7/8	21/32	19/32
3/32	.050	1/2RT2 1/2-.050	1/2RT2 1/2-.050-SS	1/2RT2 1/2-.050-316SS	1/2RT2 1/2-.050-NP	7/8	7/8	21/32	19/32
3/32	1/16	1/2RT2 1/2-1	1/2RT2 1/2-1-SS	1/2RT2 1/2-1-316SS	1/2RT2 1/2-1-NP	7/8	7/8	21/32	21/32
3/32	5/64 / 2mm	1/2RT2 1/2-2	1/2RT2 1/2-2-SS	1/2RT2 1/2-2-316SS	1/2RT2 1/2-2-NP	7/8	7/8	21/32	21/32
1/8	1/32	1/2RT3-.031	1/2RT3-.031-SS	1/2RT3-.031-316SS	1/2RT3-.031-NP	7/8	7/8	3/4	19/32
1/8	.040 / 1mm	1/2RT3-.040	1/2RT3-.040-SS	1/2RT3-.040-316SS	1/2RT3-.040-NP	7/8	7/8	3/4	19/32
1/8	3/64	1/2RT3-.045	1/2RT3-.045-SS	1/2RT3-.045-316SS	1/2RT3-.045-NP	7/8	7/8	3/4	19/32
1/8	.050	1/2RT3-.050	1/2RT3-.050-SS	1/2RT3-.050-316SS	1/2RT3-.050-NP	7/8	7/8	3/4	19/32
1/8	1/16	1/2RT3-1	1/2RT3-1-SS	1/2RT3-1-316SS	1/2RT3-1-NP	7/8	7/8	3/4	21/32
1/8	5/64 / 2mm	1/2RT3-2	1/2RT3-2-SS	1/2RT3-2-316SS	1/2RT3-2-NP	7/8	7/8	3/4	21/32
1/8	3/32	1/2RT3-2 1/2	1/2RT3-2 1/2-SS	1/2RT3-2 1/2-316SS	1/2RT3-2 1/2-NP	7/8	7/8	3/4	21/32
5/32	1/32	1/2RT3 1/2-.031	1/2RT3 1/2-.031-SS	1/2RT3 1/2-.031-316SS	1/2RT3 1/2-.031-NP	7/8	7/8	3/4	19/32
5/32	.040 / 1mm	1/2RT3 1/2-.040	1/2RT3 1/2-.040-SS	1/2RT3 1/2-.040-316SS	1/2RT3 1/2-.040-NP	7/8	7/8	3/4	19/32
5/32	3/64	1/2RT3 1/2-.045	1/2RT3 1/2-.045-SS	1/2RT3 1/2-.045-316SS	1/2RT3 1/2-.045-NP	7/8	7/8	3/4	19/32
5/32	.050	1/2RT3 1/2-.050	1/2RT3 1/2-.050-SS	1/2RT3 1/2-.050-316SS	1/2RT3 1/2-.050-NP	7/8	7/8	3/4	19/32
5/32	1/16	1/2RT3 1/2-1	1/2RT3 1/2-1-SS	1/2RT3 1/2-1-316SS	1/2RT3 1/2-1-NP	7/8	7/8	3/4	21/32
5/32	5/64 / 2mm	1/2RT3 1/2-2	1/2RT3 1/2-2-SS	1/2RT3 1/2-2-316SS	1/2RT3 1/2-2-NP	7/8	7/8	3/4	21/32
5/32	3/32	1/2RT3 1/2-2 1/2	1/2RT3 1/2-2 1/2-SS	1/2RT3 1/2-2 1/2-316SS	1/2RT3 1/2-2 1/2-NP	7/8	7/8	3/4	21/32
5/32	1/8	1/2RT3 1/2-3	1/2RT3 1/2-3-SS	1/2RT3 1/2-3-316SS	1/2RT3 1/2-3-NP	7/8	7/8	3/4	3/4

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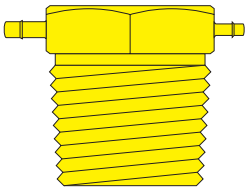
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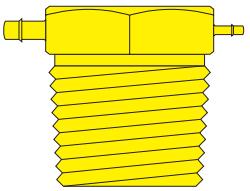
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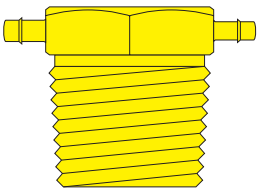
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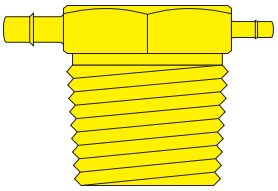
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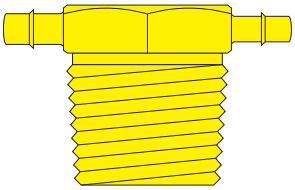
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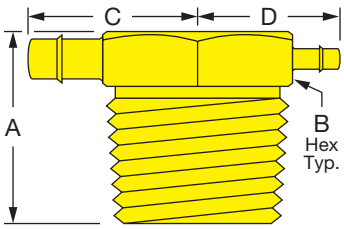
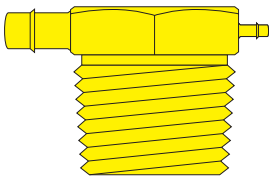
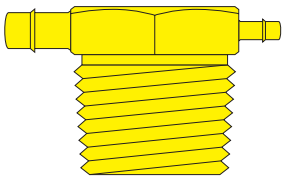
P

1/2 NPT Male Thread to Tube Reducing Tees (continued) 434





1/2RT4-.045



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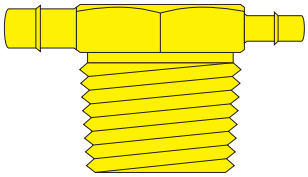
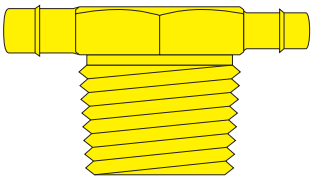


1/2RT5-3



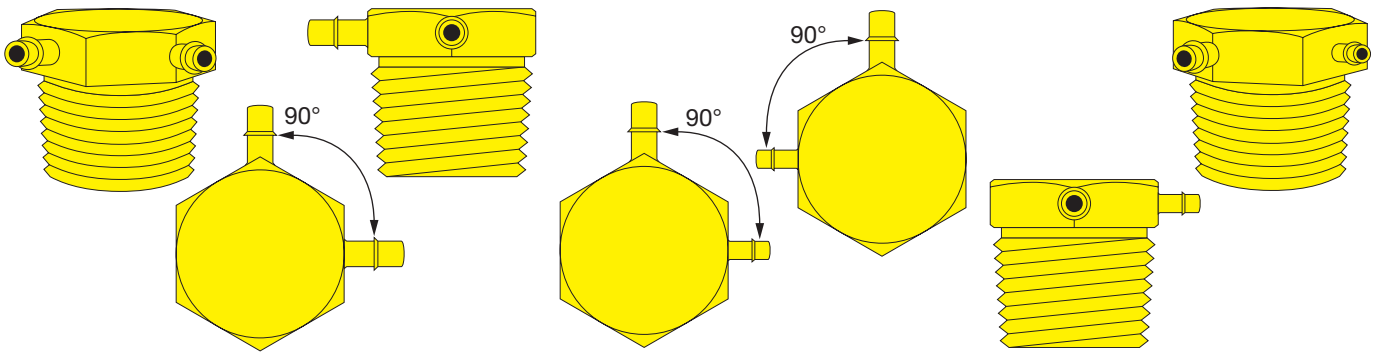
1/2RT5$^{1}/_{2}$-4

Continued on next page.

Note: *Images are for visual representation only; not intended for dimensional measurements. Dimensions may vary at time of manufacturing. Consult factory for details!*

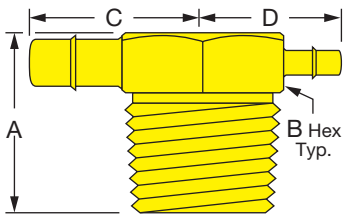
Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
.170	1/32	1/2RT4-.031	1/2RT4-.031-SS	1/2RT4-.031-316SS	1/2RT4-.031-NP	7/8	7/8	25/32	19/32
.170	.040 / 1mm	1/2RT4-.040	1/2RT4-.040-SS	1/2RT4-.040-316SS	1/2RT4-.040-NP	7/8	7/8	25/32	19/32
.170	3/64	1/2RT4-.045	1/2RT4-.045-SS	1/2RT4-.045-316SS	1/2RT4-.045-NP	7/8	7/8	25/32	19/32
.170	.050	1/2RT4-.050	1/2RT4-.050-SS	1/2RT4-.050-316SS	1/2RT4-.050-NP	7/8	7/8	25/32	19/32
.170	1/16	1/2RT4-1	1/2RT4-1-SS	1/2RT4-1-316SS	1/2RT4-1-NP	7/8	7/8	25/32	21/32
.170	5/64 / 2mm	1/2RT4-2	1/2RT4-2-SS	1/2RT4-2-316SS	1/2RT4-2-NP	7/8	7/8	25/32	21/32
.170	3/32	1/2RT4-2$^{1}/_{2}$	1/2RT4-2$^{1}/_{2}$-SS	1/2RT4-2$^{1}/_{2}$-316SS	1/2RT4-2$^{1}/_{2}$-NP	7/8	7/8	25/32	21/32
.170	1/8	1/2RT4-3	1/2RT4-3-SS	1/2RT4-3-316SS	1/2RT4-3-NP	7/8	7/8	25/32	3/4
.170	5/32 / 4mm	1/2RT4-3$^{1}/_{2}$	1/2RT4-3$^{1}/_{2}$-SS	1/2RT4-3$^{1}/_{2}$-316SS	1/2RT4-3$^{1}/_{2}$-NP	7/8	7/8	25/32	3/4
3/16	1/32	1/2RT5-.031	1/2RT5-.031-SS	1/2RT5-.031-316SS	1/2RT5-.031-NP	7/8	7/8	13/16	19/32
3/16	.040 / 1mm	1/2RT5-.040	1/2RT5-.040-SS	1/2RT5-.040-316SS	1/2RT5-.040-NP	7/8	7/8	13/16	19/32
3/16	3/64	1/2RT5-.045	1/2RT5-.045-SS	1/2RT5-.045-316SS	1/2RT5-.045-NP	7/8	7/8	13/16	19/32
3/16	.050	1/2RT5-.050	1/2RT5-.050-SS	1/2RT5-.050-316SS	1/2RT5-.050-NP	7/8	7/8	13/16	19/32
3/16	1/16	1/2RT5-1	1/2RT5-1-SS	1/2RT5-1-316SS	1/2RT5-1-NP	7/8	7/8	13/16	21/32
3/16	5/64 / 2mm	1/2RT5-2	1/2RT5-2-SS	1/2RT5-2-316SS	1/2RT5-2-NP	7/8	7/8	13/16	21/32
3/16	3/32	1/2RT5-2$^{1}/_{2}$	1/2RT5-2$^{1}/_{2}$-SS	1/2RT5-2$^{1}/_{2}$-316SS	1/2RT5-2$^{1}/_{2}$-NP	7/8	7/8	13/16	21/32
3/16	1/8	1/2RT5-3	1/2RT5-3-SS	1/2RT5-3-316SS	1/2RT5-3-NP	7/8	7/8	13/16	3/4
3/16	5/32 / 4mm	1/2RT5-3$^{1}/_{2}$	1/2RT5-3$^{1}/_{2}$-SS	1/2RT5-3$^{1}/_{2}$-316SS	1/2RT5-3$^{1}/_{2}$-NP	7/8	7/8	13/16	3/4
3/16	.170	1/2RT5-4	1/2RT5-4-SS	1/2RT5-4-316SS	1/2RT5-4-NP	7/8	7/8	13/16	25/32
7/32	1/16	1/2RT5$^{1}/_{2}$-1	1/2RT5$^{1}/_{2}$-1-SS	1/2RT5$^{1}/_{2}$-1-316SS	1/2RT5$^{1}/_{2}$-1-NP	7/8	7/8	13/16	21/32
7/32	5/64 / 2mm	1/2RT5$^{1}/_{2}$-2	1/2RT5$^{1}/_{2}$-2-SS	1/2RT5$^{1}/_{2}$-2-316SS	1/2RT5$^{1}/_{2}$-2-NP	7/8	7/8	13/16	21/32
7/32	3/32	1/2RT5$^{1}/_{2}$-2$^{1}/_{2}$	1/2RT5$^{1}/_{2}$-2$^{1}/_{2}$-SS	1/2RT5$^{1}/_{2}$-2$^{1}/_{2}$-316SS	1/2RT5$^{1}/_{2}$-2$^{1}/_{2}$-NP	7/8	7/8	13/16	21/32
7/32	1/8	1/2RT5$^{1}/_{2}$-3	1/2RT5$^{1}/_{2}$-3-SS	1/2RT5$^{1}/_{2}$-3-316SS	1/2RT5$^{1}/_{2}$-3-NP	7/8	7/8	13/16	3/4
7/32	5/32 / 4mm	1/2RT5$^{1}/_{2}$-3$^{1}/_{2}$	1/2RT5$^{1}/_{2}$-3$^{1}/_{2}$-SS	1/2RT5$^{1}/_{2}$-3$^{1}/_{2}$-316SS	1/2RT5$^{1}/_{2}$-3$^{1}/_{2}$-NP	7/8	7/8	13/16	3/4
7/32	.170	1/2RT5$^{1}/_{2}$-4	1/2RT5$^{1}/_{2}$-4-SS	1/2RT5$^{1}/_{2}$-4-316SS	1/2RT5$^{1}/_{2}$-4-NP	7/8	7/8	13/16	25/32
7/32	3/16	1/2RT5$^{1}/_{2}$-5	1/2RT5$^{1}/_{2}$-5-SS	1/2RT5$^{1}/_{2}$-5-316SS	1/2RT5$^{1}/_{2}$-5-NP	7/8	7/8	13/16	13/16

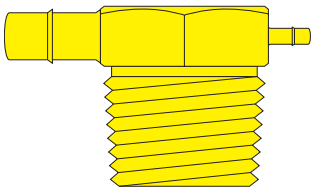
1/2 NPT Male Thread Tees and Reducing Tees are available with 90° branches! Consult factory for details!



435 1/2 NPT Male Thread to Tube Reducing Tees (continued)

Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
6mm	1/16	1/2RT5 3/4-1	1/2RT5 3/4-1-SS	1/2RT5 3/4-1-316SS	1/2RT5 3/4-1-NP	15/16	7/8	15/16	21/32
6mm	5/64 / 2mm	1/2RT5 3/4-2	1/2RT5 3/4-2-SS	1/2RT5 3/4-2-316SS	1/2RT5 3/4-2-NP	15/16	7/8	15/16	21/32
6mm	3/32	1/2RT5 3/4-2 1/2	1/2RT5 3/4-2 1/2-SS	1/2RT5 3/4-2 1/2-316SS	1/2RT5 3/4-2 1/2-NP	15/16	7/8	15/16	21/32
6mm	1/8	1/2RT5 3/4-3	1/2RT5 3/4-3-SS	1/2RT5 3/4-3-316SS	1/2RT5 3/4-3-NP	15/16	7/8	15/16	3/4
6mm	5/32 / 4mm	1/2RT5 3/4-3 1/2	1/2RT5 3/4-3 1/2-SS	1/2RT5 3/4-3 1/2-316SS	1/2RT5 3/4-3 1/2-NP	15/16	7/8	15/16	3/4
6mm	.170	1/2RT5 3/4-4	1/2RT5 3/4-4-SS	1/2RT5 3/4-4-316SS	1/2RT5 3/4-4-NP	15/16	7/8	15/16	25/32
6mm	3/16	1/2RT5 3/4-5	1/2RT5 3/4-5-SS	1/2RT5 3/4-5-316SS	1/2RT5 3/4-5-NP	15/16	7/8	15/16	13/16
6mm	7/32	1/2RT5 3/4-5 1/2	1/2RT5 3/4-5 1/2-SS	1/2RT5 3/4-5 1/2-316SS	1/2RT5 3/4-5 1/2-NP	15/16	7/8	15/16	13/16
1/4	1/16	1/2RT6-1	1/2RT6-1-SS	1/2RT6-1-316SS	1/2RT6-1-NP	15/16	7/8	15/16	21/32
1/4	5/64 / 2mm	1/2RT6-2	1/2RT6-2-SS	1/2RT6-2-316SS	1/2RT6-2-NP	15/16	7/8	15/16	21/32
1/4	3/32	1/2RT6-2 1/2	1/2RT6-2 1/2-SS	1/2RT6-2 1/2-316SS	1/2RT6-2 1/2-NP	15/16	7/8	15/16	21/32
1/4	1/8	1/2RT6-3	1/2RT6-3-SS	1/2RT6-3-316SS	1/2RT6-3-NP	15/16	7/8	15/16	3/4
1/4	5/32 / 4mm	1/2RT6-3 1/2	1/2RT6-3 1/2-SS	1/2RT6-3 1/2-316SS	1/2RT6-3 1/2-NP	15/16	7/8	15/16	3/4
1/4	.170	1/2RT6-4	1/2RT6-4-SS	1/2RT6-4-316SS	1/2RT6-4-NP	15/16	7/8	15/16	25/32
1/4	3/16	1/2RT6-5	1/2RT6-5-SS	1/2RT6-5-316SS	1/2RT6-5-NP	15/16	7/8	15/16	13/16
1/4	7/32	1/2RT6-5 1/2	1/2RT6-5 1/2-SS	1/2RT6-5 1/2-316SS	1/2RT6-5 1/2-NP	15/16	7/8	15/16	13/16
1/4	6mm	1/2RT6-5 3/4	1/2RT6-5 3/4-SS	1/2RT6-5 3/4-316SS	1/2RT6-5 3/4-NP	15/16	7/8	15/16	15/16
5/16 / 8mm	1/16	1/2RT7-1	1/2RT7-1-SS	1/2RT7-1-316SS	1/2RT7-1-NP	1 1/16	7/8	1 1/16	21/32
5/16 / 8mm	5/64 / 2mm	1/2RT7-2	1/2RT7-2-SS	1/2RT7-2-316SS	1/2RT7-2-NP	1 1/16	7/8	1 1/16	21/32
5/16 / 8mm	3/32	1/2RT7-2 1/2	1/2RT7-2 1/2-SS	1/2RT7-2 1/2-316SS	1/2RT7-2 1/2-NP	1 1/16	7/8	1 1/16	21/32
5/16 / 8mm	1/8	1/2RT7-3	1/2RT7-3-SS	1/2RT7-3-316SS	1/2RT7-3-NP	1 1/16	7/8	1 1/16	3/4
5/16 / 8mm	5/32 / 4mm	1/2RT7-3 1/2	1/2RT7-3 1/2-SS	1/2RT7-3 1/2-316SS	1/2RT7-3 1/2-NP	1 1/16	7/8	1 1/16	3/4
5/16 / 8mm	.170	1/2RT7-4	1/2RT7-4-SS	1/2RT7-4-316SS	1/2RT7-4-NP	1 1/16	7/8	1 1/16	25/32
5/16 / 8mm	3/16	1/2RT7-5	1/2RT7-5-SS	1/2RT7-5-316SS	1/2RT7-5-NP	1 1/16	7/8	1 1/16	13/16
5/16 / 8mm	7/32	1/2RT7-5 1/2	1/2RT7-5 1/2-SS	1/2RT7-5 1/2-316SS	1/2RT7-5 1/2-NP	1 1/16	7/8	1 1/16	13/16
5/16 / 8mm	6mm	1/2RT7-5 3/4	1/2RT7-5 3/4-SS	1/2RT7-5 3/4-316SS	1/2RT7-5 3/4-NP	1 1/16	7/8	1 1/16	15/16
5/16 / 8mm	1/4	1/2RT7-6	1/2RT7-6-SS	1/2RT7-6-316SS	1/2RT7-6-NP	1 1/16	7/8	1 1/16	15/16
3/8	1/16	1/2RT8-1	1/2RT8-1-SS	1/2RT8-1-316SS	1/2RT8-1-NP	1 1/16	7/8	31/32	21/32
3/8	5/64 / 2mm	1/2RT8-2	1/2RT8-2-SS	1/2RT8-2-316SS	1/2RT8-2-NP	1 1/16	7/8	31/32	21/32
3/8	3/32	1/2RT8-2 1/2	1/2RT8-2 1/2-SS	1/2RT8-2 1/2-316SS	1/2RT8-2 1/2-NP	1 1/16	7/8	31/32	21/32

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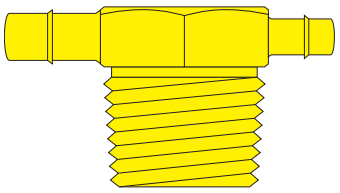
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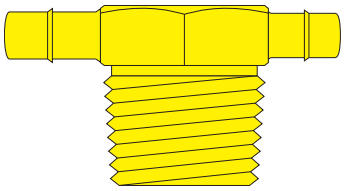
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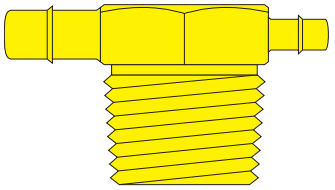
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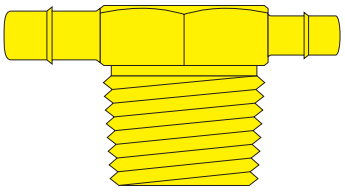
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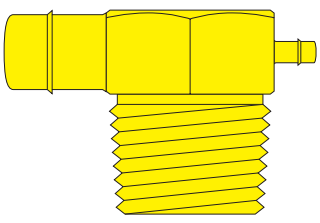
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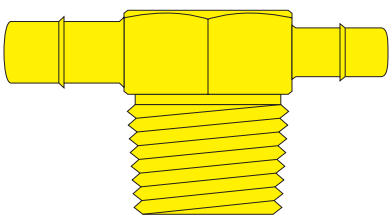
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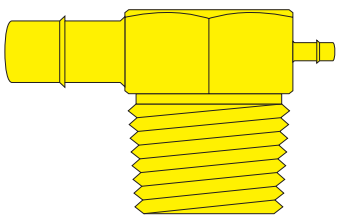
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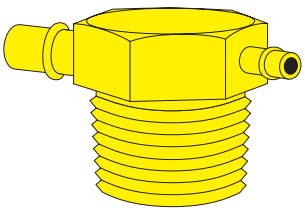
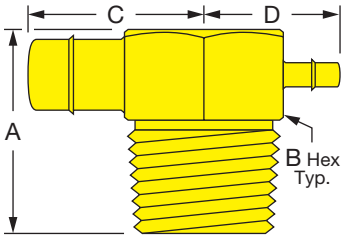
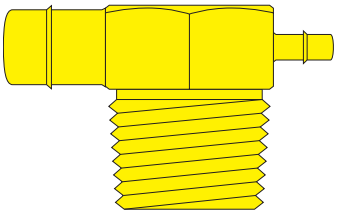


1/2 NPT Male Thread to Tube Reducing Tees (continued) 436





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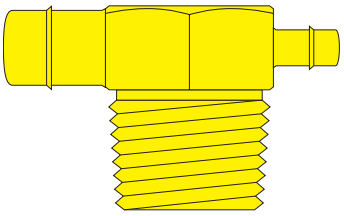

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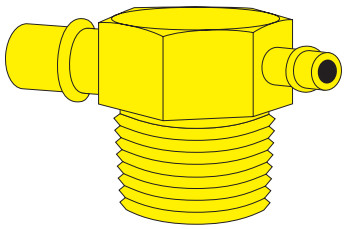
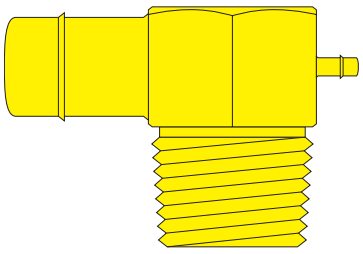


Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
3/8	1/8	1/2RT8-3	1/2RT8-3-SS	1/2RT8-3-316SS	1/2RT8-3-NP	1 1/16	7/8	31/32	3/4
3/8	5/32 / 4mm	1/2RT8-3 1/2	1/2RT8-3 1/2-SS	1/2RT8-3 1/2-316SS	1/2RT8-3 1/2-NP	1 1/16	7/8	31/32	3/4
3/8	.170	1/2RT8-4	1/2RT8-4-SS	1/2RT8-4-316SS	1/2RT8-4-NP	1 1/16	7/8	31/32	25/32
3/8	3/16	1/2RT8-5	1/2RT8-5-SS	1/2RT8-5-316SS	1/2RT8-5-NP	1 1/16	7/8	31/32	13/16
3/8	7/32	1/2RT8-5 1/2	1/2RT8-5 1/2-SS	1/2RT8-5 1/2-316SS	1/2RT8-5 1/2-NP	1 1/16	7/8	31/32	13/16
3/8	6mm	1/2RT8-5 3/4	1/2RT8-5 3/4-SS	1/2RT8-5 3/4-316SS	1/2RT8-5 3/4-NP	1 1/16	7/8	31/32	15/16
3/8	1/4	1/2RT8-6	1/2RT8-6-SS	1/2RT8-6-316SS	1/2RT8-6-NP	1 1/16	7/8	31/32	15/16
3/8	5/16 / 8mm	1/2RT8-7	1/2RT8-7-SS	1/2RT8-7-316SS	1/2RT8-7-NP	1 1/16	7/8	31/32	1 1/16
1/2	1/16	1/2RT10-1	1/2RT10-1-SS	1/2RT10-1-316SS	1/2RT10-1-NP	1 1/4	7/8	1 3/16	21/32
1/2	5/64 / 2mm	1/2RT10-2	1/2RT10-2-SS	1/2RT10-2-316SS	1/2RT10-2-NP	1 1/4	7/8	1 3/16	21/32
1/2	3/32	1/2RT10-2 1/2	1/2RT10-2 1/2-SS	1/2RT10-2 1/2-316SS	1/2RT10-2 1/2-NP	1 1/4	7/8	1 3/16	21/32
1/2	1/8	1/2RT10-3	1/2RT10-3-SS	1/2RT10-3-316SS	1/2RT10-3-NP	1 1/4	7/8	1 3/16	3/4
1/2	5/32 / 4mm	1/2RT10-3 1/2	1/2RT10-3 1/2-SS	1/2RT10-3 1/2-316SS	1/2RT10-3 1/2-NP	1 1/4	7/8	1 3/16	3/4
1/2	.170	1/2RT10-4	1/2RT10-4-SS	1/2RT10-4-316SS	1/2RT10-4-NP	1 1/4	7/8	1 3/16	25/32
1/2	3/16	1/2RT10-5	1/2RT10-5-SS	1/2RT10-5-316SS	1/2RT10-5-NP	1 1/4	7/8	1 3/16	13/16
1/2	7/32	1/2RT10-5 1/2	1/2RT10-5 1/2-SS	1/2RT10-5 1/2-316SS	1/2RT10-5 1/2-NP	1 1/4	7/8	1 3/16	13/16
1/2	6mm	1/2RT10-5 3/4	1/2RT10-5 3/4-SS	1/2RT10-5 3/4-316SS	1/2RT10-5 3/4-NP	1 1/4	7/8	1 3/16	15/16
1/2	1/4	1/2RT10-6	1/2RT10-6-SS	1/2RT10-6-316SS	1/2RT10-6-NP	1 1/4	7/8	1 3/16	15/16
1/2	5/16 / 8mm	1/2RT10-7	1/2RT10-7-SS	1/2RT10-7-316SS	1/2RT10-7-NP	1 1/4	7/8	1 3/16	1 1/16
1/2	3/8	1/2RT10-8	1/2RT10-8-SS	1/2RT10-8-316SS	1/2RT10-8-NP	1 1/4	7/8	1 3/16	31/32

Larger branch sizes are available! Lead times and minimum quantities apply! Consult factory for details!



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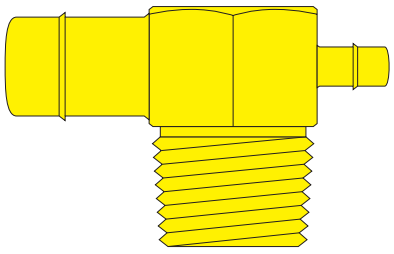

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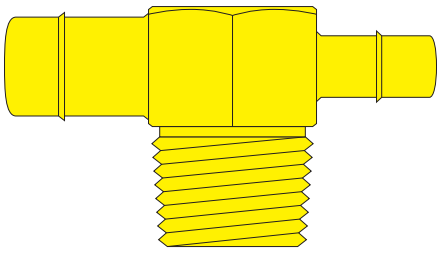
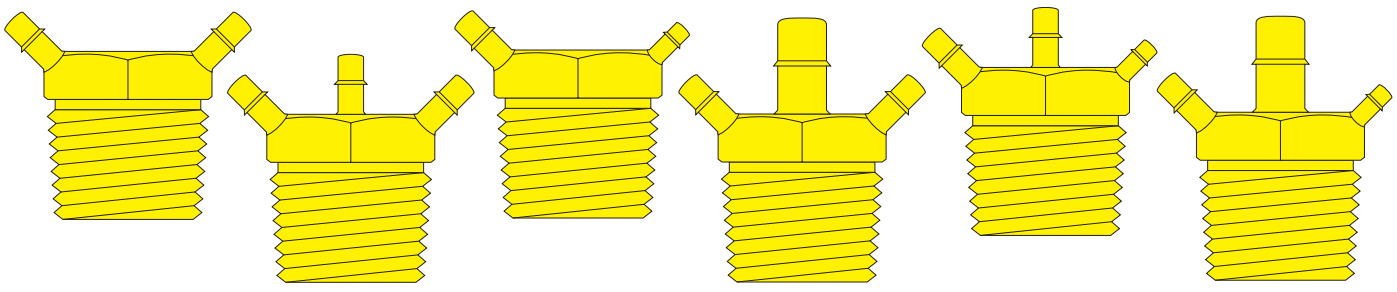


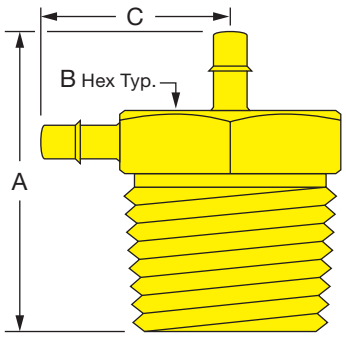
1/2RT10-7

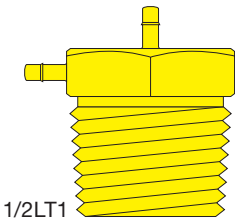
Custom 1/2 NPT Male Thread Fittings available! Lead times and minimum quantities apply! Consult factory for details!

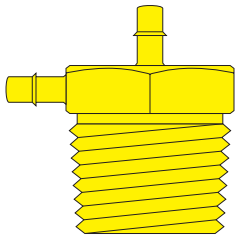


437 — 1/2 NPT Male Thread to Tube L-Tees

Tube ID	Part Numbers: Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	Dimensions (Reference): A Ref.	B Typ.	C Ref.
1/32	1/2LT.031	1/2LT.031-SS	1/2LT.031-316SS	1/2LT.031-NP	1 1/32	7/8	19/32
.040 / 1mm	1/2LT.040	1/2LT.040-SS	1/2LT.040-316SS	1/2LT.040-NP	1 1/32	7/8	19/32
3/64	1/2LT.045	1/2LT.045-SS	1/2LT.045-316SS	1/2LT.045-NP	1 1/32	7/8	19/32
.050	1/2LT.050	1/2LT.050-SS	1/2LT.050-316SS	1/2LT.050-NP	1 1/32	7/8	19/32
1/16	1/2LT1	1/2LT1-SS	1/2LT1-316SS	1/2LT1-NP	1 3/32	7/8	21/32
5/64 / 2mm	1/2LT2	1/2LT2-SS	1/2LT2-316SS	1/2LT2-NP	1 3/32	7/8	21/32
3/32	1/2LT2 1/2	1/2LT2 1/2-SS	1/2LT2 1/2-316SS	1/2LT2 1/2-NP	1 3/32	7/8	21/32
1/8	1/2LT3	1/2LT3-SS	1/2LT3-316SS	1/2LT3-NP	1 3/16	7/8	3/4
5/32 / 4mm	1/2LT3 1/2	1/2LT3 1/2-SS	1/2LT3 1/2-316SS	1/2LT3 1/2-NP	1 3/16	7/8	3/4
.170	1/2LT4	1/2LT4-SS	1/2LT4-316SS	1/2LT4-NP	1 7/32	7/8	25/32
3/16	1/2LT5	1/2LT5-SS	1/2LT5-316SS	1/2LT5-NP	1 1/4	7/8	13/16
7/32	1/2LT5 1/2	1/2LT5 1/2-SS	1/2LT5 1/2-316SS	1/2LT5 1/2-NP	1 1/4	7/8	13/16
6mm	1/2LT5 3/4	1/2LT5 3/4-SS	1/2LT5 3/4-316SS	1/2LT5 3/4-NP	1 3/8	7/8	15/16
1/4	1/2LT6	1/2LT6-SS	1/2LT6-316SS	1/2LT6-NP	1 3/8	7/8	15/16
5/16 / 8mm	1/2LT7	1/2LT7-SS	1/2LT7-316SS	1/2LT7-NP	1 1/2	7/8	1 1/16
3/8	1/2LT8	1/2LT8-SS	1/2LT8-316SS	1/2LT8-NP	1 13/32	7/8	31/32
1/2	1/2LT10	1/2LT10-SS	1/2LT10-316SS	1/2LT10-NP	1 5/8	7/8	1 3/16




1/2LT1


1/2LT3

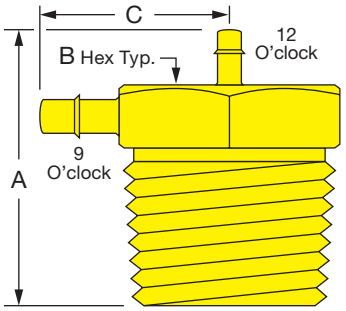
P

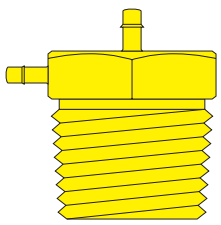
438 — 1/2 NPT Male Thread to Tube Reducing L-Tees

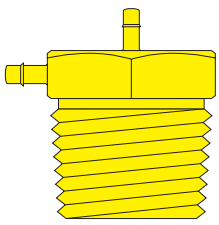
Branches: Tube ID	Branch Number	Dimensions (Reference): A Ref.	B Typ.	C Ref.
1/32	.031	Consult Factory	7/8	19/32
.040 / 1mm	.040		7/8	19/32
3/64	.045		7/8	19/32
.050	.050		7/8	19/32
1/16	1		7/8	21/32
5/64 / 2mm	2		7/8	21/32

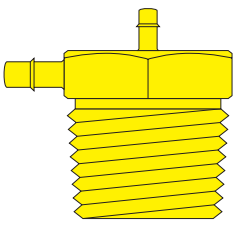
Branches: Tube ID	Branch Number	Dimensions (Reference): A Ref.	B Typ.	C Ref.
3/32	2 1/2	Consult Factory	7/8	21/32
1/8	3		7/8	3/4
5/32 / 4mm	3 1/2		7/8	3/4
.170	4		7/8	25/32
3/16	5		7/8	13/16
7/32	5 1/2		7/8	13/16

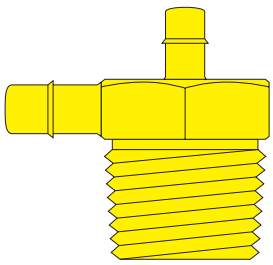
Branches: Tube ID	Branch Number	Dimensions (Reference): A Ref.	B Typ.	C Ref.
6mm	5 3/4	Consult Factory	7/8	15/16
1/4	6		7/8	15/16
5/16 / 8mm	7		7/8	1 1/16
3/8	8		7/8	31/32
1/2	10		7/8	1 3/16

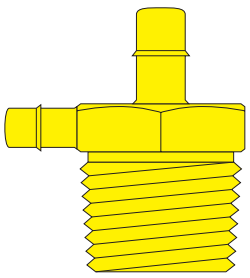



1/2RLT1-2


1/2RLT2-1


1/2RLT3-2


1/2RLT6-5


1/2RLT5-6

Part Numbers for 1/2 Male Thread to Tube Reducing L-Tees:

Thread Size → 1/2 — RLT (Fitting Series) — # (9 O'clock Branch #) - # (12 O'clock Branch #)

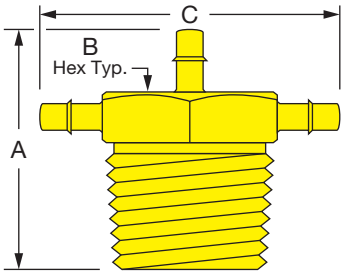
Unless otherwise specified, parts will be Brass. For other materials, add the following codes:

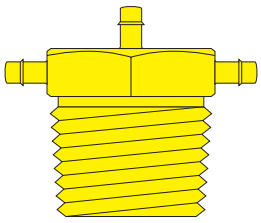
-SS = Stainless Steel 303

-316SS = Stainless Steel 316

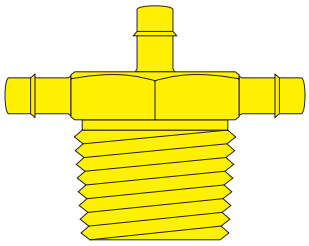
-NP = Electroless Nickel Plate

1/2 NPT Male Thread to Tube Tees x 3 — 439





1/2T2 1/2x3

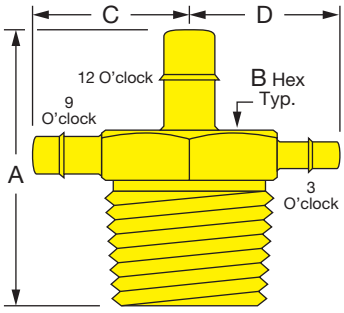


1/2T4x3

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/2T.031x3	1/2T.031x3-SS	1/2T.031x3-316SS	1/2T.031x3-NP	1 1/32	7/8	1 3/16
.040 / 1mm	1/2T.040x3	1/2T.040x3-SS	1/2T.040x3-316SS	1/2T.040x3-NP	1 1/32	7/8	1 3/16
3/64	1/2T.045x3	1/2T.045x3-SS	1/2T.045x3-316SS	1/2T.045x3-NP	1 1/32	7/8	1 3/16
.050	1/2T.050x3	1/2T.050x3-SS	1/2T.050x3-316SS	1/2T.050x3-NP	1 1/32	7/8	1 3/16
1/16	1/2T1x3	1/2T1x3-SS	1/2T1x3-316SS	1/2T1x3-NP	1 3/32	7/8	1 5/16
5/64 / 2mm	1/2T2x3	1/2T2x3-SS	1/2T2x3-316SS	1/2T2x3-NP	1 3/32	7/8	1 5/16
3/32	1/2T2 1/2x3	1/2T2 1/2x3-SS	1/2T2 1/2x3-316SS	1/2T2 1/2x3-NP	1 3/32	7/8	1 5/16
1/8	1/2T3x3	1/2T3x3-SS	1/2T3x3-316SS	1/2T3x3-NP	1 3/16	7/8	1 1/2
5/32 / 4mm	1/2T3 1/2x3	1/2T3 1/2x3-SS	1/2T3 1/2x3-316SS	1/2T3 1/2x3-NP	1 3/16	7/8	1 1/2
.170	1/2T4x3	1/2T4x3-SS	1/2T4x3-316SS	1/2T4x3-NP	1 7/32	7/8	1 9/16
3/16	1/2T5x3	1/2T5x3-SS	1/2T5x3-316SS	1/2T5x3-NP	1 1/4	7/8	1 5/8
7/32	1/2T5 1/2x3	1/2T5 1/2x3-SS	1/2T5 1/2x3-316SS	1/2T5 1/2x3-NP	1 1/4	7/8	1 5/8
6mm	1/2T5 3/4x3	1/2T5 3/4x3-SS	1/2T5 3/4x3-316SS	1/2T5 3/4x3-NP	1 3/8	7/8	1 7/8
1/4	1/2T6x3	1/2T6x3-SS	1/2T6x3-316SS	1/2T6x3-NP	1 3/8	7/8	1 7/8
5/16 / 8mm	1/2T7x3	1/2T7x3-SS	1/2T7x3-316SS	1/2T7x3-NP	1 1/2	7/8	2 1/8
3/8	1/2T8x3	1/2T8x3-SS	1/2T8x3-316SS	1/2T8x3-NP	1 13/32	7/8	1 15/16
1/2	1/2T10x3	1/2T10x3-SS	1/2T10x3-316SS	1/2T10x3-NP	1 5/8	7/8	2 3/8

P

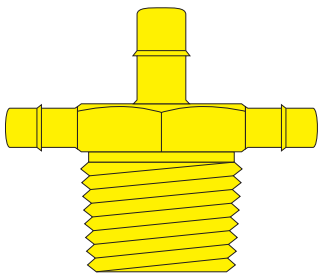
1/2 NPT Male Thread to Tube Reducing Tees x 3 — 440



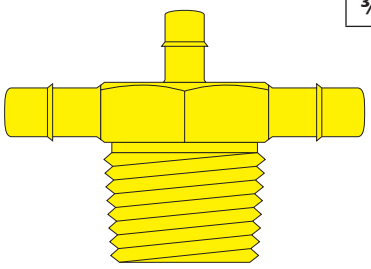
Branches		Dimensions (Reference)			
Tube ID	Branch #	A Ref.	B Dia.	C Ref.	D Ref.
1/32	.031	Consult Factory	7/8	19/32	19/32
.040 / 1mm	.040		7/8	19/32	19/32
3/64	.045		7/8	19/32	19/32
.050	.050		7/8	19/32	19/32
1/16	1		7/8	21/32	21/32

Branches		Dimensions (Reference)			
Tube ID	Branch #	A Ref.	B Dia.	C Ref.	D Ref.
5/64 / 2mm	2	Consult Factory	7/8	21/32	21/32
3/32	2 1/2		7/8	21/32	21/32
1/8	3		7/8	3/4	3/4
5/32 / 4mm	3 1/2		7/8	3/4	3/4
.170	4		7/8	25/32	25/32
3/16	5		7/8	13/16	13/16

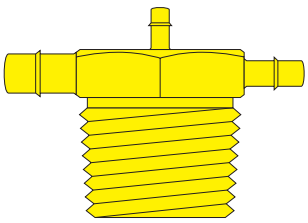
Branches		Dimensions (Reference)			
Tube ID	Branch #	A Ref.	B Typ.	C Ref.	D Ref.
7/32	5 1/2	Consult Factory	7/8	13/16	13/16
6mm	5 3/4		7/8	15/16	15/16
1/4	6		7/8	15/16	15/16
5/16 / 8mm	7		7/8	11/16	11/16
3/8	8		7/8	31/32	31/32
1/2	10		7/8	1 3/16	1 3/16



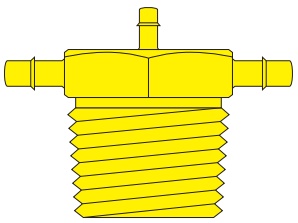
1/2RT5-6-5



1/2RT6-5-6



1/2RT5-2-3



1/2RT3-2-3

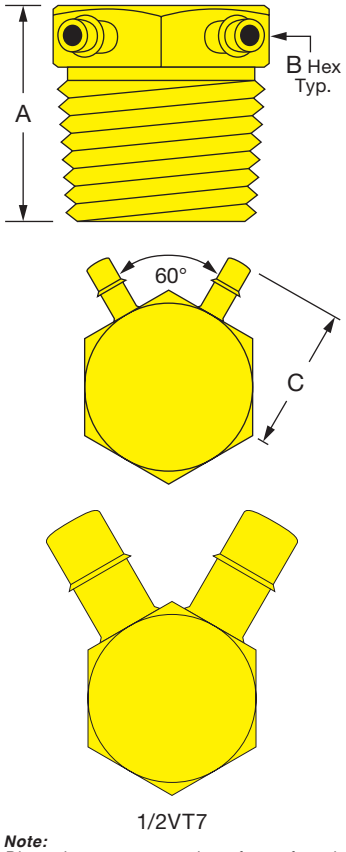
Unless otherwise specified, parts will be Brass. For other materials, add the following codes:
-SS = Stainless Steel 303
-316SS = Stainless Steel 316
-NP = Electroless Nickel Plate

Part Numbers for 1/2 Male Thread to Tube Reducing Tees x 3:

Thread Size → 1/2 (Fitting Series) RT ← Fitting Series
← 9 O'clock Branch # - # ← 12 O'clock Branch # - # ← 3 O'clock Branch

441 — 1/2 NPT Male Thread to Tube V-Tees

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/2VT.031	1/2VT.031-SS	1/2VT.031-316SS	1/2VT.031-NP	7/8	7/8	19/32
.040 / 1mm	1/2VT.040	1/2VT.040-SS	1/2VT.040-316SS	1/2VT.040-NP	7/8	7/8	19/32
3/64	1/2VT.045	1/2VT.045-SS	1/2VT.045-316SS	1/2VT.045-NP	7/8	7/8	19/32
.050	1/2VT.050	1/2VT.050-SS	1/2VT.050-316SS	1/2VT.050-NP	7/8	7/8	19/32
1/16	1/2VT1	1/2VT1-SS	1/2VT1-316SS	1/2VT1-NP	7/8	7/8	21/32
5/64 / 2mm	1/2VT2	1/2VT2-SS	1/2VT2-316SS	1/2VT2-NP	7/8	7/8	21/32
3/32	1/2VT2 1/2	1/2VT2 1/2-SS	1/2VT2 1/2-316SS	1/2VT2 1/2-NP	7/8	7/8	21/32
1/8	1/2VT3	1/2VT3-SS	1/2VT3-316SS	1/2VT3-NP	7/8	7/8	3/4
5/32 / 4mm	1/2VT3 1/2	1/2VT3 1/2-SS	1/2VT3 1/2-316SS	1/2VT3 1/2-NP	7/8	7/8	3/4
.170	1/2VT4	1/2VT4-SS	1/2VT4-316SS	1/2VT4-NP	7/8	7/8	25/32
3/16	1/2VT5	1/2VT5-SS	1/2VT5-316SS	1/2VT5-NP	7/8	7/8	13/16
7/32	1/2VT5 1/2	1/2VT5 1/2-SS	1/2VT5 1/2-316SS	1/2VT5 1/2-NP	7/8	7/8	13/16
6mm	1/2VT5 3/4	1/2VT5 3/4-SS	1/2VT5 3/4-316SS	1/2VT5 3/4-NP	15/16	7/8	15/16
1/4	1/2VT6	1/2VT6-SS	1/2VT6-316SS	1/2VT6-NP	15/16	7/8	15/16
5/16 / 8mm	1/2VT7	1/2VT7-SS	1/2VT7-316SS	1/2VT7-NP	1 1/16	7/8	1 1/16
3/8	1/2VT8	1/2VT8-SS	1/2VT8-316SS	1/2VT8-NP	1 1/16	7/8	31/32
1/2	1/2VT10	1/2VT10-SS	1/2VT10-316SS	1/2VT10-NP	1 1/4	7/8	1 3/16



1/2VT7

Note:
Dimensions may vary at time of manufacturing.

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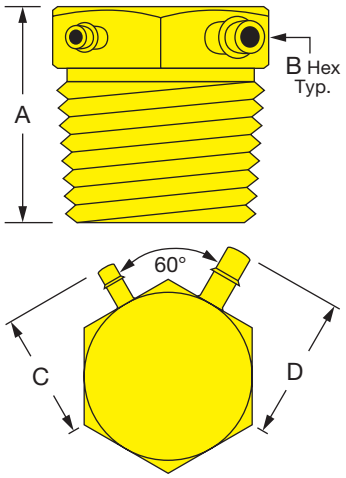
442 — 1/2 NPT Male Thread to Tube Reducing Left-Hand V-Tees

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	7/8	7/8	19/32	19/32
.040 / 1mm	.040	7/8	7/8	19/32	19/32
3/64	.045	7/8	7/8	19/32	19/32
.050	.050	7/8	7/8	19/32	19/32
1/16	1	7/8	7/8	21/32	21/32
5/64 / 2mm	2	7/8	7/8	21/32	21/32
3/32	2 1/2	7/8	7/8	21/32	21/32
1/8	3	7/8	7/8	3/4	3/4
5/32 / 4mm	3 1/2	7/8	7/8	3/4	3/4

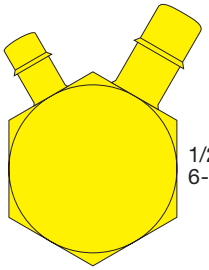
Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
.170	4	7/8	7/8	25/32	25/32
3/16	5	7/8	7/8	13/16	13/16
7/32	5 1/2	7/8	7/8	13/16	13/16
6mm	5 3/4	15/16	7/8	15/16	15/16
1/4	6	15/16	7/8	15/16	15/16
5/16 / 8mm	7	1 1/16	7/8	1 1/16	1 1/16
3/8	8	1 1/16	7/8	31/32	31/32
1/2	10	1 1/4	7/8	1 3/16	1 3/16

Top View: *Left-hand Reducing V-Tees have the smaller (reducing) branch on the left.*



Part Numbers for 1/2 NPT Male Thread to Tube Left-Hand Reducing V-Tees:

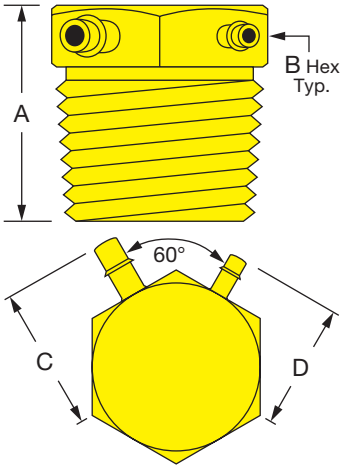
Thread Size → **1/2** — **RVT** (Fitting Series) — **#** (Larger Branch #) **-** **#** (Smaller Branch #) — **LH** ← Left-Hand Indicator

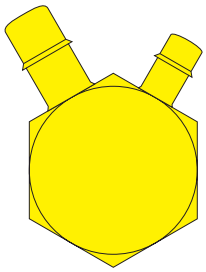


1/2RVT 6-4-RH

Unless otherwise specified, parts will be Brass. To order other materials, use the following codes:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

1/2 NPT Male Thread to Tube Right-Hand Reducing V-Tees 443





Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	7/8	7/8	19/32	19/32
.040 / 1mm	.040	7/8	7/8	19/32	19/32
3/64	.045	7/8	7/8	19/32	19/32
.050	.050	7/8	7/8	19/32	19/32
1/16	1	7/8	7/8	21/32	21/32
5/64 / 2mm	2	7/8	7/8	21/32	21/32
3/32	2 1/2	7/8	7/8	21/32	21/32
1/8	3	7/8	7/8	3/4	3/4
5/32 / 4mm	3 1/2	7/8	7/8	3/4	3/4

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
.170	4	7/8	7/8	25/32	25/32
3/16	5	7/8	7/8	13/16	13/16
7/32	5 1/2	7/8	7/8	13/16	13/16
6mm	5 3/4	15/16	7/8	15/16	15/16
1/4	6	15/16	7/8	15/16	15/16
5/16 / 8mm	7	1 1/16	7/8	1 1/16	1 1/16
3/8	8	1 1/16	7/8	31/32	31/32
1/2	10	1 1/4	7/8	1 3/16	1 3/16

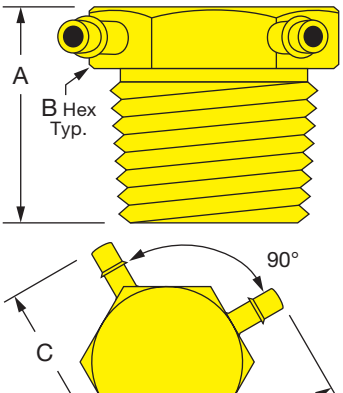
Top View: *Right-hand Reducing V-Tees have the smaller (reducing) branch on the right.*

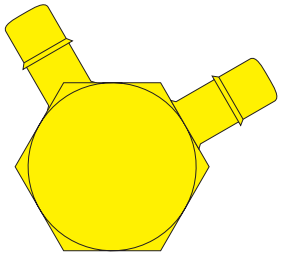
Part Numbers for 1/2 NPT Male Thread to Tube Right-Hand Reducing V-Tees:

Thread Size → **1/2** (Fitting Series) **RVT** **#** (Larger Branch #) **-** **#** (Smaller Branch #) **-** **RH** ← Right-Hand Indicator

Unless otherwise specified, parts will be Brass. To order other materials, use the following codes:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

1/2 NPT Male Thread to Tube 90° V-Tees 444





Note:
For systems that do not allow the degree symbol (°), substitute with 'DEG' in the part number.

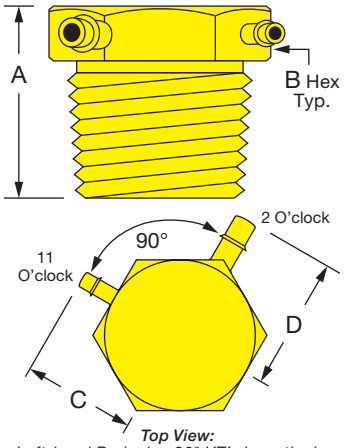
Tube ID	Part Numbers				Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/32	1/2VT.031-90°	1/2VT.031-90°-SS	1/2VT.031-90°-316SS	1/2VT.031-90°-NP	7/8	7/8	Consult Factory	19/32
.040 / 1mm	1/2VT.040-90°	1/2VT.040-90°-SS	1/2VT.040-90°-316SS	1/2VT.040-90°-NP	7/8	7/8	Consult Factory	19/32
3/64	1/2VT.045-90°	1/2VT.045-90°-SS	1/2VT.045-90°-316SS	1/2VT.045-90°-NP	7/8	7/8	Consult Factory	19/32
.050	1/2VT.050-90°	1/2VT.050-90°-SS	1/2VT.050-90°-316SS	1/2VT.050-90°-NP	7/8	7/8	Consult Factory	19/32
1/16	1/2VT1-90°	1/2VT1-90°-SS	1/2VT1-90°-316SS	1/2VT1-90°-NP	7/8	7/8	Consult Factory	21/32
5/64 / 2mm	1/2VT2-90°	1/2VT2-90°-SS	1/2VT2-90°-316SS	1/2VT2-90°-NP	7/8	7/8	Consult Factory	21/32
3/32	1/2VT2 1/2-90°	1/2VT2 1/2-90°-SS	1/2VT2 1/2-90°-316SS	1/2VT2 1/2-90°-NP	7/8	7/8	Consult Factory	21/32
1/8	1/2VT3-90°	1/2VT3-90°-SS	1/2VT3-90°-316SS	1/2VT3-90°-NP	7/8	7/8	Consult Factory	3/4
5/32 / 4mm	1/2VT3 1/2-90°	1/2VT3 1/2-90°-SS	1/2VT3 1/2-90°-316SS	1/2VT3 1/2-90°-NP	7/8	7/8	Consult Factory	3/4
.170	1/2VT4-90°	1/2VT4-90°-SS	1/2VT4-90°-316SS	1/2VT4-90°-NP	7/8	7/8	Consult Factory	25/32
3/16	1/2VT5-90°	1/2VT5-90°-SS	1/2VT5-90°-316SS	1/2VT5-90°-NP	7/8	7/8	Consult Factory	13/16
7/32	1/2VT5 1/2-90°	1/2VT5 1/2-90°-SS	1/2VT5 1/2-90°-316SS	1/2VT5 1/2-90°-NP	7/8	7/8	Consult Factory	13/16
6mm	1/2VT5 3/4-90°	1/2VT5 3/4-90°-SS	1/2VT5 3/4-90°-316SS	1/2VT5 3/4-90°-NP	15/16	7/8	Consult Factory	15/16
1/4	1/2VT6-90°	1/2VT6-90°-SS	1/2VT6-90°-316SS	1/2VT6-90°-NP	15/16	7/8	Consult Factory	15/16
5/16 / 8mm	1/2VT7-90°	1/2VT7-90°-SS	1/2VT7-90°-316SS	1/2VT7-90°-NP	1 1/16	7/8	Consult Factory	1 1/16
3/8	1/2VT8-90°	1/2VT8-90°-SS	1/2VT8-90°-316SS	1/2VT8-90°-NP	1 1/16	7/8	Consult Factory	31/32
1/2	1/2VT10-90°	1/2VT10-90°-SS	1/2VT10-90°-316SS	1/2VT10-90°-NP	1 1/4	7/8	Consult Factory	1 3/16

445 — 1/2 NPT Male Thread to Tube Reducing Left-Hand 90° V-Tees

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	7/8	7/8	19/32	Consult Factory
.040 / 1mm	.040	7/8	7/8	19/32	
3/64	.045	7/8	7/8	19/32	
.050	.050	7/8	7/8	19/32	
1/16	1	7/8	7/8	21/32	
5/64 / 2mm	2	7/8	7/8	21/32	
3/32	2 1/2	7/8	7/8	21/32	
1/8	3	7/8	7/8	3/4	
5/32 / 4mm	3 1/2	7/8	7/8	3/4	

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
.170	4	7/8	7/8	25/32	Consult Factory
3/16	5	7/8	7/8	13/16	
7/32	5 1/2	7/8	7/8	13/16	
6mm	5 3/4	15/16	7/8	15/16	
1/4	6	15/16	7/8	15/16	
5/16 / 8mm	7	1 1/16	7/8	1 1/16	
3/8	8	1 1/16	7/8	31/32	
1/2	10	1 1/4	7/8	1 3/16	

Note: *For systems that do not allow the degree symbol (°) to be used, substitute with 'DEG' in the part number.*



Top View:
Left-hand Reducing 90° VT's have the hex point branch at 2 o'clock and the hex flat branch on the left, at 11 o'clock.

Part Numbers for 1/2 NPT Male Thread to Tube Reducing Left-Hand 90° V-Tees:

Thread Size → 1/2 — RVT (Fitting Series) — # (2 O'clock Branch) - # (11 O'clock Branch) - 90° (90° Indicator) - LH (Left-Hand Indicator)

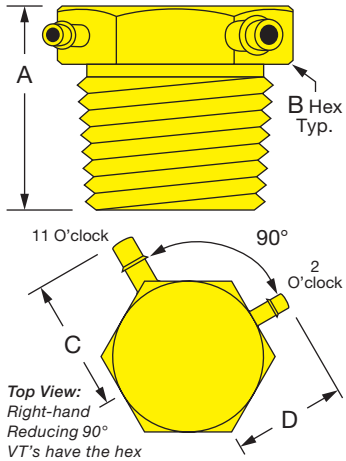
P

446 — 1/2 NPT Male Thread to Tube Reducing Right-Hand 90° V-Tees

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	7/8	7/8	Consult Factory	19/32
.040 / 1mm	.040	7/8	7/8		19/32
3/64	.045	7/8	7/8		19/32
.050	.050	7/8	7/8		19/32
1/16	1	7/8	7/8		21/32
5/64 / 2mm	2	7/8	7/8		21/32
3/32	2 1/2	7/8	7/8		21/32
1/8	3	7/8	7/8		3/4
5/32 / 4mm	3 1/2	7/8	7/8		3/4

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
.170	4	7/8	7/8	Consult Factory	25/32
3/16	5	7/8	7/8		13/16
7/32	5 1/2	7/8	7/8		13/16
6mm	5 3/4	15/16	7/8		15/16
1/4	6	15/16	7/8		15/16
5/16 / 8mm	7	1 1/16	7/8		11/16
3/8	8	1 1/16	7/8		31/32
1/2	10	1 1/4	7/8		1 3/16

Note: *For systems that do not allow the degree symbol (°) to be used, substitute with 'DEG' in the part number.*



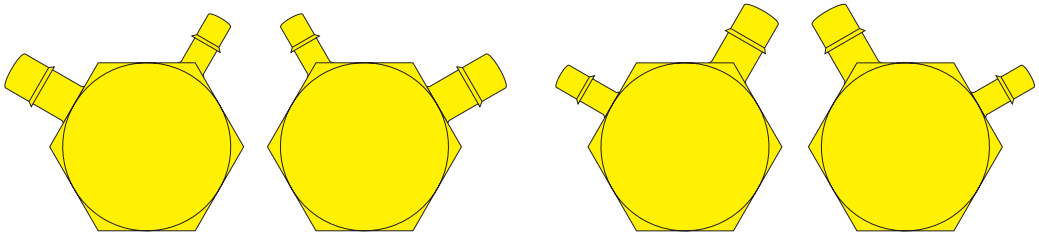
Top View:
Right-hand Reducing 90° VT's have the hex point branch at 11 o'clock and the hex flat branch on the right, at 2 o'clock.

Part Numbers for 1/2 NPT Male Thread to Tube Reducing Right-Hand 90° V-Tees:

Thread Size → 1/2 — RVT (Fitting Series) — # (11 O'clock Branch) - # (2 O'clock Branch) - 90° (90° Indicator) - RH (Right-Hand Indicator)

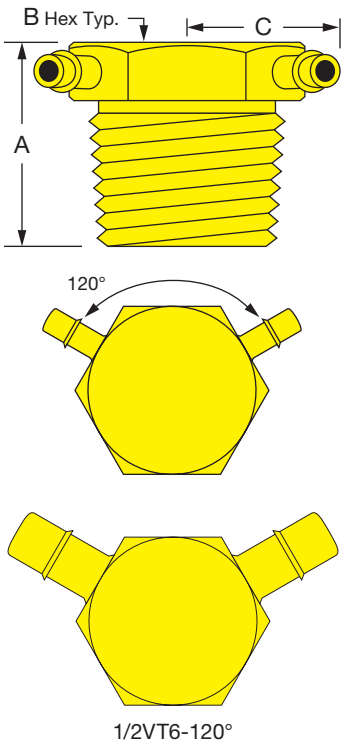
Unless otherwise specified, parts will be Brass. For other materials, add the following codes to the part number:

-SS =
Stainless Steel 303
-316SS =
Stainless Steel 316
-NP =
Electroless Nickel Plate



1/2RVT3-5-LH-90° 1/2RVT3-5-RH-90° 1/2RVT5-3-LH-90° 1/2RVT5-3-RH-90°

1/2 NPT Male Thread to Tube 120° V-Tees 447



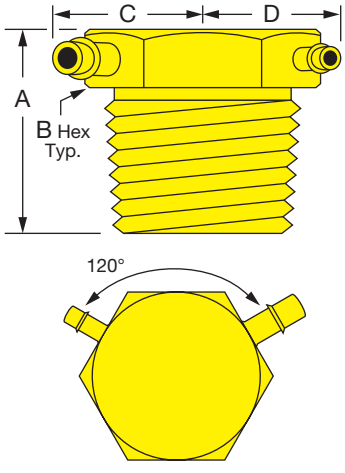
1/2VT6-120°

Larger branch sizes available! Consult factory for details!

Note: *For systems that don't allow the use of degree (°) symbol, substitute it with 'DEG' in the part number.*

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/2VT.031-120°	1/2VT.031-120°-SS	1/2VT.031-120°-316SS	1/2VT.031-120°-NP	7/8	7/8	19/32
.040 / 1mm	1/2VT.040-120°	1/2VT.040-120°-SS	1/2VT.040-120°-316SS	1/2VT.040-120°-NP	7/8	7/8	19/32
3/64	1/2VT.045-120°	1/2VT.045-120°-SS	1/2VT.045-120°-316SS	1/2VT.045-120°-NP	7/8	7/8	19/32
.050	1/2VT.050-120°	1/2VT.050-120°-SS	1/2VT.050-120°-316SS	1/2VT.050-120°-NP	7/8	7/8	19/32
1/16	1/2VT1-120°	1/2VT1-120°-SS	1/2VT1-120°-316SS	1/2VT1-120°-NP	7/8	7/8	21/32
5/64 / 2mm	1/2VT2-120°	1/2VT2-120°-SS	1/2VT2-120°-316SS	1/2VT2-120°-NP	7/8	7/8	21/32
3/32	1/2VT2 1/2-120°	1/2VT2 1/2-120°-SS	1/2VT2 1/2-120°-316SS	1/2VT2 1/2-120°-NP	7/8	7/8	21/32
1/8	1/2VT3-120°	1/2VT3-120°-SS	1/2VT3-120°-316SS	1/2VT3-120°-NP	7/8	7/8	3/4
5/32 / 4mm	1/2VT3 1/2-120°	1/2VT3 1/2-120°-SS	1/2VT3 1/2-120°-316SS	1/2VT3 1/2-120°-NP	7/8	7/8	3/4
.170	1/2VT4-120°	1/2VT4-120°-SS	1/2VT4-120°-316SS	1/2VT4-120°-NP	7/8	7/8	25/32
3/16	1/2VT5-120°	1/2VT5-120°-SS	1/2VT5-120°-316SS	1/2VT5-120°-NP	7/8	7/8	13/16
7/32	1/2VT5 1/2-120°	1/2VT5 1/2-120°-SS	1/2VT5 1/2-120°-316SS	1/2VT5 1/2-120°-NP	7/8	7/8	13/16
6mm	1/2VT5 3/4-120°	1/2VT5 3/4-120°-SS	1/2VT5 3/4-120°-316SS	1/2VT5 3/4-120°-NP	15/16	7/8	15/16
1/4	1/2VT6-120°	1/2VT6-120°-SS	1/2VT6-120°-316SS	1/2VT6-120°-NP	15/16	7/8	15/16
5/16 / 8mm	1/2VT7-120°	1/2VT7-120°-SS	1/2VT7-120°-316SS	1/2VT7-120°-NP	1 1/16	7/8	1 1/16
3/8	1/2VT8-120°	1/2VT8-120°-SS	1/2VT8-120°-316SS	1/2VT8-120°-NP	1 1/16	7/8	31/32
1/2	1/2VT10-120°	1/2VT10-120°-SS	1/2VT10-120°-316SS	1/2VT10-120°-NP	1 1/4	7/8	1 3/16

1/2 NPT Male Thread to Tube Reducing Left-Hand 120° V-Tees 448



Top View: *Left-hand Reducing 120° VTees have the smaller (reducing) branch on the left.*

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	7/8	7/8	19/32	19/32
.040 / 1mm	.040	7/8	7/8	19/32	19/32
3/64	.045	7/8	7/8	19/32	19/32
.050	.050	7/8	7/8	19/32	19/32
1/16	1	7/8	7/8	21/32	21/32
5/64 / 2mm	2	7/8	7/8	21/32	21/32
3/32	2 1/2	7/8	7/8	21/32	21/32
1/8	3	7/8	7/8	3/4	3/4
5/32 / 4mm	3 1/2	7/8	7/8	3/4	3/4

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
.170	4	7/8	7/8	25/32	25/32
3/16	5	7/8	7/8	13/16	13/16
7/32	5 1/2	7/8	7/8	13/16	13/16
6mm	5 3/4	15/16	7/8	15/16	15/16
1/4	6	15/16	7/8	15/16	15/16
5/16 / 8mm	7	1 1/16	7/8	1 1/16	1 1/16
3/8	8	1 1/16	7/8	31/32	31/32
1/2	10	1 1/4	7/8	1 3/16	1 3/16

Note: *For systems that do not allow the degree symbol (°) to be used, substitute with 'DEG' in the part number.*

Part Numbers for 1/2 NPT Male Thread to Tube Reducing Left-Hand 120° V-Tees:

Thread Size → 1/2 RVT # - # - 120° - LH ← Left-Hand Indicator

1/2: Fitting Series; #: Larger Branch #; #: Smaller Branch #; 120°: 120° Indicator

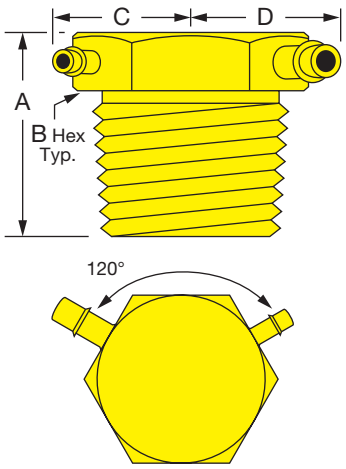
Unless otherwise specified, parts will be Brass. To order other materials, please add the following codes to the part number:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

449 1/2 NPT Male Thread to Tube Reducing Right-Hand 120° V-Tees

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	7/8	7/8	25/32	19/32
.040 / 1mm	.040	7/8	7/8	19/32	19/32
3/64	.045	7/8	7/8	19/32	19/32
.050	.050	7/8	7/8	19/32	19/32
1/16	1	7/8	7/8	21/32	21/32
5/64 / 2mm	2	7/8	7/8	21/32	21/32
3/32	2 1/2	7/8	7/8	21/32	21/32
1/8	3	7/8	7/8	3/4	3/4
5/32 / 4mm	3 1/2	7/8	7/8	3/4	3/4

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
.170	4	7/8	7/8	25/32	25/32
3/16	5	7/8	7/8	13/16	13/16
7/32	5 1/2	7/8	7/8	13/16	13/16
6mm	5 3/4	15/16	7/8	15/16	15/16
1/4	6	15/16	7/8	15/16	15/16
5/16 / 8mm	7	1 1/16	7/8	1 1/16	1 1/16
3/8	8	1 1/16	7/8	31/32	31/32
1/2	10	1 1/4	7/8	1 3/16	1 3/16

Note: *For systems that do not allow the degree symbol (°) to be used, substitute with 'DEG' in the part number.*



Top View: *Right-hand Reducing 120° VTees have the smaller (reducing) branch on the right.*

Part Numbers for 1/2 NPT Male Thread to Tube Reducing Right-Hand 120° V-Tees:

Thread Size → 1/2 — Fitting Series → RVT — # Larger Branch # - # Smaller Branch # - 120° 120° Indicator - RH Right-Hand Indicator

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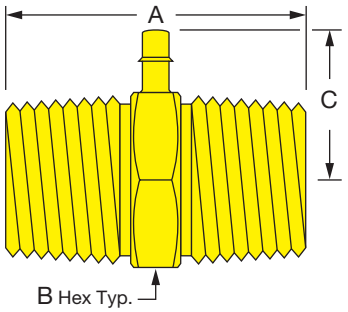
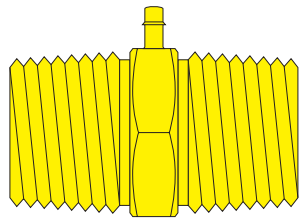
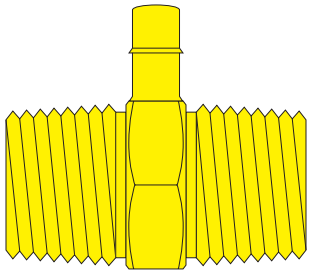
450 1/2 NPT Male Thread Hex Nipples with Tube Branches: Tees

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/2HN-T.031	1/2HN-T.031-SS	1/2HN-T.031-316SS	1/2HN-T.031-NP	1 1/2	7/8	19/32
.040 / 1mm	1/2HN-T.040	1/2HN-T.040-SS	1/2HN-T.040-316SS	1/2HN-T.040-NP	1 1/2	7/8	19/32
3/64	1/2HN-T.045	1/2HN-T.045-SS	1/2HN-T.045-316SS	1/2HN-T.045-NP	1 1/2	7/8	19/32
.050	1/2HN-T.050	1/2HN-T.050-SS	1/2HN-T.050-316SS	1/2HN-T.050-NP	1 1/2	7/8	19/32
1/16	1/2HN-T1	1/2HN-T1-SS	1/2HN-T1-316SS	1/2HN-T1-NP	1 1/2	7/8	21/32
5/64 / 2mm	1/2HN-T2	1/2HN-T2-SS	1/2HN-T2-316SS	1/2HN-T2-NP	1 1/2	7/8	21/32
3/32	1/2HN-T2 1/2	1/2HN-T2 1/2-SS	1/2HN-T2 1/2-316SS	1/2HN-T2 1/2-NP	1 1/2	7/8	21/32
1/8	1/2HN-T3	1/2HN-T3-SS	1/2HN-T3-316SS	1/2HN-T3-NP	1 1/2	7/8	3/4
5/32 / 4mm	1/2HN-T3 1/2	1/2HN-T3 1/2-SS	1/2HN-T3 1/2-316SS	1/2HN-T3 1/2-NP	1 1/2	7/8	3/4
.170	1/2HN-T4	1/2HN-T4-SS	1/2HN-T4-316SS	1/2HN-T4-NP	1 1/2	7/8	25/32
3/16	1/2HN-T5	1/2HN-T5-SS	1/2HN-T5-316SS	1/2HN-T5-NP	1 1/2	7/8	13/16
7/32	1/2HN-T5 1/2	1/2HN-T5 1/2-SS	1/2HN-T5 1/2-316SS	1/2HN-T5 1/2-NP	1 1/2	7/8	13/16
6mm	1/2HN-T5 3/4	1/2HN-T5 3/4-SS	1/2HN-T5 3/4-316SS	1/2HN-T5 3/4-NP	1 9/16	7/8	15/16
1/4	1/2HN-T6	1/2HN-T6-SS	1/2HN-T6-316SS	1/2HN-T6-NP	1 9/16	7/8	15/16
5/16 / 8mm	1/2HN-T7	1/2HN-T7-SS	1/2HN-T7-316SS	1/2HN-T7-NP	1 11/16	7/8	1 1/16
3/8	1/2HN-T8	1/2HN-T8-SS	1/2HN-T8-316SS	1/2HN-T8-NP	1 11/16	7/8	31/32
1/2	1/2HN-T10	1/2HN-T10-SS	1/2HN-T10-316SS	1/2HN-T10-NP	1 7/8	7/8	1 3/16





1/2HN-T2

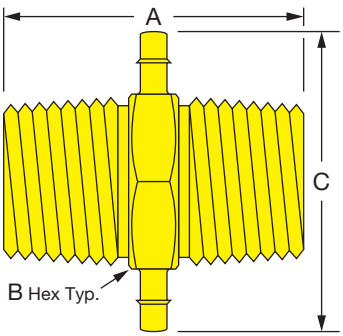


1/2HN-T5 3/4

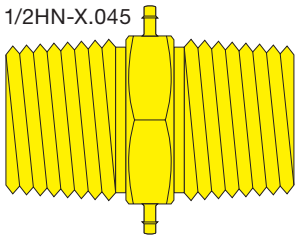
Other Male Thread Hex Nipple options are listed on pages 426 & 427! Consult factory for details!

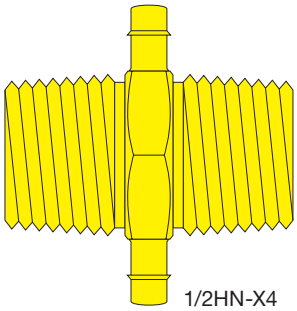
Note: *Images are for visual representation only. Dimensions may vary at time of manufacturing.*

1/2 NPT Male Thread Hex Nipples with Tube Branches: Crosses 451



1/2HN-X.045

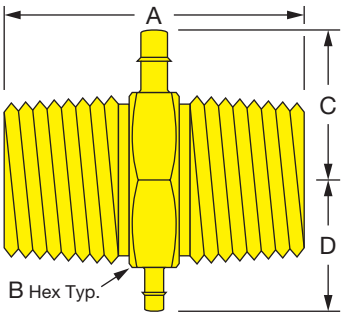


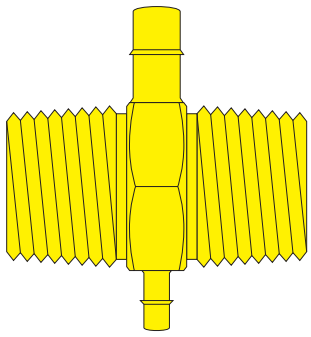


1/2HN-X4

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/2HN-X.031	1/2HN-X.031-SS	1/2HN-X.031-316SS	1/2HN-X.031-NP	1 1/2	7/8	1 3/16
.040 / 1mm	1/2HN-X.040	1/2HN-X.040-SS	1/2HN-X.040-316SS	1/2HN-X.040-NP	1 1/2	7/8	1 3/16
3/64	1/2HN-X.045	1/2HN-X.045-SS	1/2HN-X.045-316SS	1/2HN-X.045-NP	1 1/2	7/8	1 3/16
.050	1/2HN-X.050	1/2HN-X.050-SS	1/2HN-X.050-316SS	1/2HN-X.050-NP	1 1/2	7/8	1 3/16
1/16	1/2HN-X1	1/2HN-X1-SS	1/2HN-X1-316SS	1/2HN-X1-NP	1 1/2	7/8	1 5/16
5/64 / 2mm	1/2HN-X2	1/2HN-X2-SS	1/2HN-X2-316SS	1/2HN-X2-NP	1 1/2	7/8	1 5/16
3/32	1/2HN-X2 1/2	1/2HN-X2 1/2-SS	1/2HN-X2 1/2-316SS	1/2HN-X2 1/2-NP	1 1/2	7/8	1 5/16
1/8	1/2HN-X3	1/2HN-X3-SS	1/2HN-X3-316SS	1/2HN-X3-NP	1 1/2	7/8	1 1/2
5/32 / 4mm	1/2HN-X3 1/2	1/2HN-X3 1/2-SS	1/2HN-X3 1/2-316SS	1/2HN-X3 1/2-NP	1 1/2	7/8	1 1/2
.170	1/2HN-X4	1/2HN-X4-SS	1/2HN-X4-316SS	1/2HN-X4-NP	1 1/2	7/8	1 9/16
3/16	1/2HN-X5	1/2HN-X5-SS	1/2HN-X5-316SS	1/2HN-X5-NP	1 1/2	7/8	1 5/8
7/32	1/2HN-X5 1/2	1/2HN-X5 1/2-SS	1/2HN-X5 1/2-316SS	1/2HN-X5 1/2-NP	1 1/2	7/8	1 5/8
6mm	1/2HN-X5 3/4	1/2HN-X5 3/4-SS	1/2HN-X5 3/4-316SS	1/2HN-X5 3/4-NP	1 9/16	7/8	1 7/8
1/4	1/2HN-X6	1/2HN-X6-SS	1/2HN-X6-316SS	1/2HN-X6-NP	1 9/16	7/8	1 7/8
5/16 / 8mm	1/2HN-X7	1/2HN-X7-SS	1/2HN-X7-316SS	1/2HN-X7-NP	1 11/16	7/8	2 1/8
3/8	1/2HN-X8	1/2HN-X8-SS	1/2HN-X8-316SS	1/2HN-X8-NP	1 11/16	7/8	1 15/16
1/2	1/2HN-X10	1/2HN-X10-SS	1/2HN-X10-316SS	1/2HN-X10-NP	1 7/8	7/8	2 3/8

1/2 NPT Male Thread Hex Nipples with Tube Branches: Reducing Crosses 452





1/2HN-RX6-3

Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	1 1/2	7/8	19/32	19/32
.040 / 1mm	.040	1 1/2	7/8	19/32	19/32
3/64	.045	1 1/2	7/8	19/32	19/32
.050	.050	1 1/2	7/8	19/32	19/32
1/16	1	1 1/2	7/8	21/32	21/32
5/64 / 2mm	2	1 1/2	7/8	21/32	21/32
3/32	2 1/2	1 1/2	7/8	21/32	21/32
1/8	3	1 1/2	7/8	3/4	3/4
5/32 / 4mm	3 1/2	1 1/2	7/8	3/4	3/4

Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
.170	4	1 1/2	7/8	25/32	25/32
3/16	5	1 1/2	7/8	13/16	13/16
7/32	5 1/2	1 1/2	7/8	13/16	13/16
6mm	5 3/4	1 9/16	7/8	15/16	15/16
1/4	6	1 9/16	7/8	15/16	15/16
5/16 / 8mm	7	1 11/16	7/8	1 1/16	1 1/16
3/8	8	1 11/16	7/8	31/32	31/32
1/2	10	1 7/8	7/8	1 3/16	1 3/16

Other Hex Nipple options listed on page 428!

Part Numbers for 1/2 NPT Hex Nipples with Reducing Cross Branches:

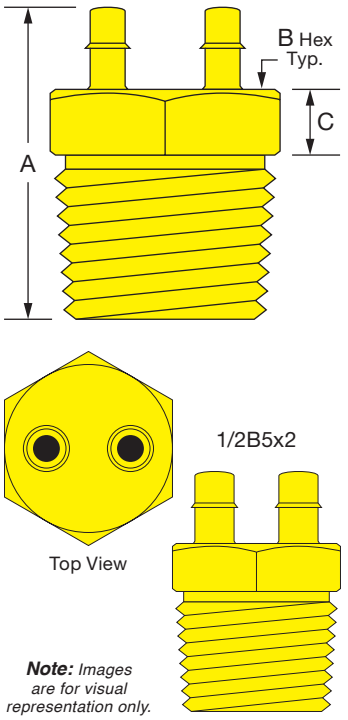
Thread Size → 1/2 | HN-RX (Fitting Series) | # (Larger Branch #) - # (Smaller Branch #)

Unless otherwise specified, parts will be Brass. To order other materials, use the following codes:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

Note: *Images are for visual representation only. Dimensions may vary at time of manufacturing.*

453 1/2 NPT Male Thread to Tube Straight Manifolds with 2 Branches

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/2B.031x2	1/2B.031x2-SS	1/2B.031x2-316SS	1/2B.031x2-NP	1 1/32	7/8	1/4
.040 / 1mm	1/2B.040x2	1/2B.040x2-SS	1/2B.040x2-316SS	1/2B.040x2-NP	1 1/32	7/8	1/4
3/64	1/2B.045x2	1/2B.045x2-SS	1/2B.045x2-316SS	1/2B.045x2-NP	1 1/32	7/8	1/4
.050	1/2B.050x2	1/2B.050x2-SS	1/2B.050x2-316SS	1/2B.050x2-NP	1 1/32	7/8	1/4
1/16	1/2B1x2	1/2B1x2-SS	1/2B1x2-316SS	1/2B1x2-NP	1 3/32	7/8	1/4
5/64 / 2mm	1/2B2x2	1/2B2x2-SS	1/2B2x2-316SS	1/2B2x2-NP	1 3/32	7/8	1/4
3/32	1/2B2 1/2x2	1/2B2 1/2x2-SS	1/2B2 1/2x2-316SS	1/2B2 1/2x2-NP	1 3/32	7/8	1/4
1/8	1/2B3x2	1/2B3x2-SS	1/2B3x2-316SS	1/2B3x2-NP	1 3/16	7/8	1/4
5/32 / 4mm	1/2B3 1/2x2	1/2B3 1/2x2-SS	1/2B3 1/2x2-316SS	1/2B3 1/2x2-NP	1 3/16	7/8	1/4
.170	1/2B4x2	1/2B4x2-SS	1/2B4x2-316SS	1/2B4x2-NP	1 7/32	7/8	1/4
3/16	1/2B5x2	1/2B5x2-SS	1/2B5x2-316SS	1/2B5x2-NP	1 1/4	7/8	1/4
7/32	1/2B5 1/2x2	1/2B5 1/2x2-SS	1/2B5 1/2x2-316SS	1/2B5 1/2x2-NP	1 1/4	7/8	1/4
6mm	1/2B5 3/4x2	1/2B5 3/4x2-SS	1/2B5 3/4x2-316SS	1/2B5 3/4x2-NP	1 3/8	7/8	1/4
1/4	1/2B6x2	1/2B6x2-SS	1/2B6x2-316SS	1/2B6x2-NP	1 3/8	7/8	1/4

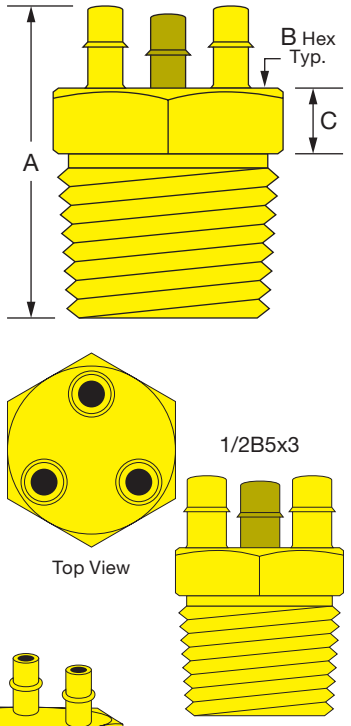


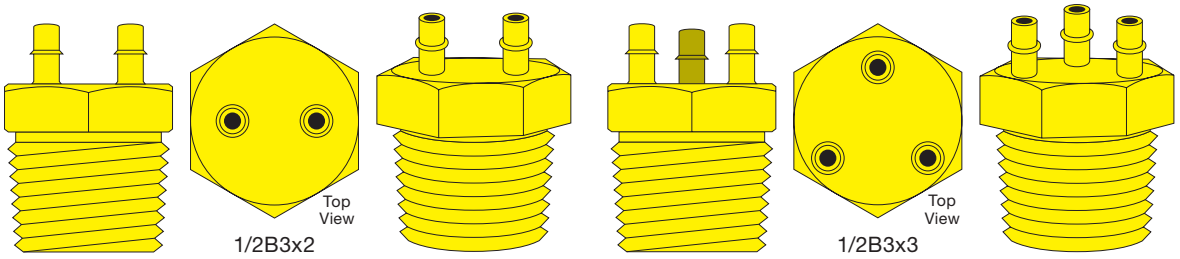
Note: *Images are for visual representation only.*

P

454 1/2 NPT Male Thread to Tube Straight Manifolds with 3 Branches

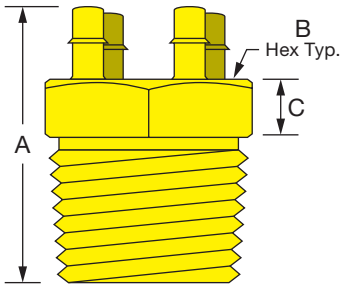
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/2B.031x3	1/2B.031x3-SS	1/2B.031x3-316SS	1/2B.031x3-NP	1 1/32	7/8	1/4
.040 / 1mm	1/2B.040x3	1/2B.040x3-SS	1/2B.040x3-316SS	1/2B.040x3-NP	1 1/32	7/8	1/4
3/64	1/2B.045x3	1/2B.045x3-SS	1/2B.045x3-316SS	1/2B.045x3-NP	1 1/32	7/8	1/4
.050	1/2B.050x3	1/2B.050x3-SS	1/2B.050x3-316SS	1/2B.050x3-NP	1 1/32	7/8	1/4
1/16	1/2B1x3	1/2B1x3-SS	1/2B1x3-316SS	1/2B1x3-NP	1 3/32	7/8	1/4
5/64 / 2mm	1/2B2x3	1/2B2x3-SS	1/2B2x3-316SS	1/2B2x3-NP	1 3/32	7/8	1/4
3/32	1/2B2 1/2x3	1/2B2 1/2x3-SS	1/2B2 1/2x3-316SS	1/2B2 1/2x3-NP	1 3/32	7/8	1/4
1/8	1/2B3x3	1/2B3x3-SS	1/2B3x3-316SS	1/2B3x3-NP	1 3/16	7/8	1/4
5/32 / 4mm	1/2B3 1/2x3	1/2B3 1/2x3-SS	1/2B3 1/2x3-316SS	1/2B3 1/2x3-NP	1 3/16	7/8	1/4
.170	1/2B4x3	1/2B4x3-SS	1/2B4x3-316SS	1/2B4x3-NP	1 7/32	7/8	1/4
3/16	1/2B5x3	1/2B5x3-SS	1/2B5x3-316SS	1/2B5x3-NP	1 1/4	7/8	1/4
7/32	1/2B5 1/2x3	1/2B5 1/2x3-SS	1/2B5 1/2x3-316SS	1/2B5 1/2x3-NP	1 1/4	7/8	1/4

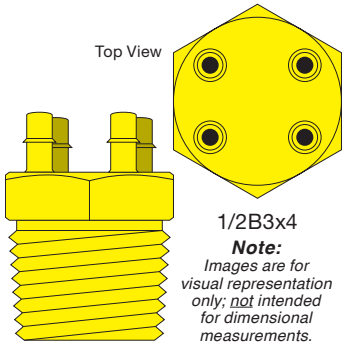




Alternate branch locations available! Use the template on page 249 to indicate branch placement!

1/2 NPT Male Thread to Tube Straight Manifolds with 4 Branches 455





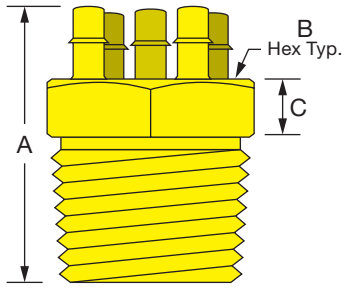
1/2B3x4

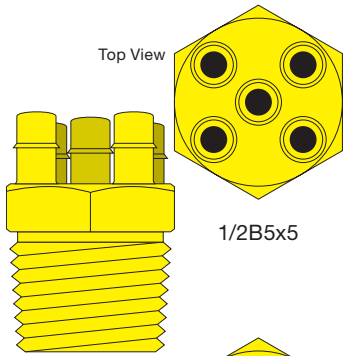
Note:
Images are for visual representation only; not intended for dimensional measurements.

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/2B.031x4	1/2B.031x4-SS	1/2B.031x4-316SS	1/2B.031x4-NP	1 1/32	7/8	1/4
.040 / 1mm	1/2B.040x4	1/2B.040x4-SS	1/2B.040x4-316SS	1/2B.040x4-NP	1 1/32	7/8	1/4
3/64	1/2B.045x4	1/2B.045x4-SS	1/2B.045x4-316SS	1/2B.045x4-NP	1 1/32	7/8	1/4
.050	1/2B.050x4	1/2B.050x4-SS	1/2B.050x4-316SS	1/2B.050x4-NP	1 1/32	7/8	1/4
1/16	1/2B1x4	1/2B1x4-SS	1/2B1x4-316SS	1/2B1x4-NP	1 3/32	7/8	1/4
5/64 / 2mm	1/2B2x4	1/2B2x4-SS	1/2B2x4-316SS	1/2B2x4-NP	1 3/32	7/8	1/4
3/32	1/2B2 1/2x4	1/2B2 1/2x4-SS	1/2B2 1/2x4-316SS	1/2B2 1/2x4-NP	1 3/32	7/8	1/4
1/8	1/2B3x4	1/2B3x4-SS	1/2B3x4-316SS	1/2B3x4-NP	1 3/16	7/8	1/4
5/32 / 4mm	1/2B3 1/2x4	1/2B3 1/2x4-SS	1/2B3 1/2x4-316SS	1/2B3 1/2x4-NP	1 3/16	7/8	1/4
.170	1/2B4x4	1/2B4x4-SS	1/2B4x4-316SS	1/2B4x4-NP	1 7/32	7/8	1/4
3/16	1/2B5x4	1/2B5x4-SS	1/2B5x4-316SS	1/2B5x4-NP	1 1/4	7/8	1/4
7/32	1/2B5 1/2x4	1/2B5 1/2x4-SS	1/2B5 1/2x4-316SS	1/2B5 1/2x4-NP	1 1/4	7/8	1/4

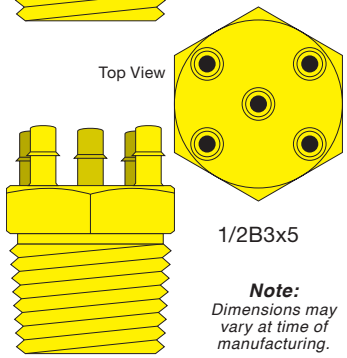
P

1/2 NPT Male Thread to Tube Straight Manifolds with 5 Branches 456





1/2B5x5

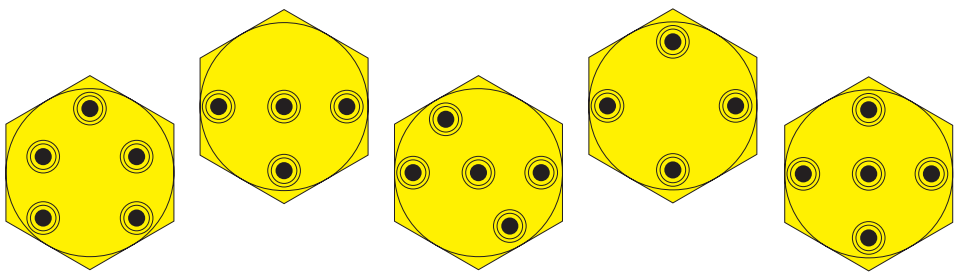


1/2B3x5

Note:
Dimensions may vary at time of manufacturing.

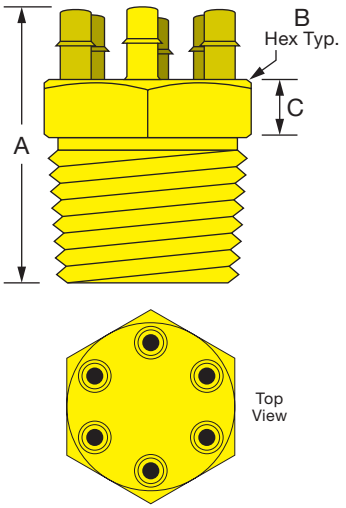
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/2B.031x5	1/2B.031x5-SS	1/2B.031x5-316SS	1/2B.031x5-NP	1 1/32	7/8	1/4
.040 / 1mm	1/2B.040x5	1/2B.040x5-SS	1/2B.040x5-316SS	1/2B.040x5-NP	1 1/32	7/8	1/4
3/64	1/2B.045x5	1/2B.045x5-SS	1/2B.045x5-316SS	1/2B.045x5-NP	1 1/32	7/8	1/4
.050	1/2B.050x5	1/2B.050x5-SS	1/2B.050x5-316SS	1/2B.050x5-NP	1 1/32	7/8	1/4
1/16	1/2B1x5	1/2B1x5-SS	1/2B1x5-316SS	1/2B1x5-NP	1 3/32	7/8	1/4
5/64 / 2mm	1/2B2x5	1/2B2x5-SS	1/2B2x5-316SS	1/2B2x5-NP	1 3/32	7/8	1/4
3/32	1/2B2 1/2x5	1/2B2 1/2x5-SS	1/2B2 1/2x5-316SS	1/2B2 1/2x5-NP	1 3/32	7/8	1/4
1/8	1/2B3x5	1/2B3x5-SS	1/2B3x5-316SS	1/2B3x5-NP	1 3/16	7/8	1/4
5/32 / 4mm	1/2B3 1/2x5	1/2B3 1/2x5-SS	1/2B3 1/2x5-316SS	1/2B3 1/2x5-NP	1 3/16	7/8	1/4
.170	1/2B4x5	1/2B4x5-SS	1/2B4x5-316SS	1/2B4x5-NP	1 7/32	7/8	1/4
3/16	1/2B5x5	1/2B5x5-SS	1/2B5x5-316SS	1/2B5x5-NP	1 1/4	7/8	1/4

Alternate branch configurations available! See the template on page 249 for details!



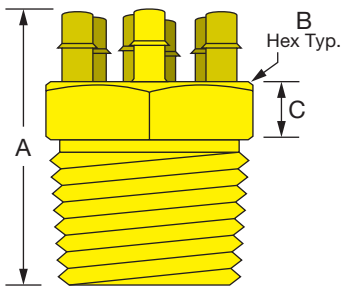
457 1/2 NPT Male Thread to Tube Straight Manifolds with 6 Branches

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/2B.031x6	1/2B.031x6-SS	1/2B.031x6-316SS	1/2B.031x6-NP	1 1/32	7/8	1/4
.040 / 1mm	1/2B.040x6	1/2B.040x6-SS	1/2B.040x6-316SS	1/2B.040x6-NP	1 1/32	7/8	1/4
3/64	1/2B.045x6	1/2B.045x6-SS	1/2B.045x6-316SS	1/2B.045x6-NP	1 1/32	7/8	1/4
.050	1/2B.050x6	1/2B.050x6-SS	1/2B.050x6-316SS	1/2B.050x6-NP	1 1/32	7/8	1/4
1/16	1/2B1x6	1/2B1x6-SS	1/2B1x6-316SS	1/2B1x6-NP	1 3/32	7/8	1/4
5/64 / 2mm	1/2B2x6	1/2B2x6-SS	1/2B2x6-316SS	1/2B2x6-NP	1 3/32	7/8	1/4
3/32	1/2B2 1/2x6	1/2B2 1/2x6-SS	1/2B2 1/2x6-316SS	1/2B2 1/2x6-NP	1 3/32	7/8	1/4
1/8	1/2B3x6	1/2B3x6-SS	1/2B3x6-316SS	1/2B3x6-NP	1 3/16	7/8	1/4
5/32 / 4mm	1/2B3 1/2x6	1/2B3 1/2x6-SS	1/2B3 1/2x6-316SS	1/2B3 1/2x6-NP	1 3/16	7/8	1/4

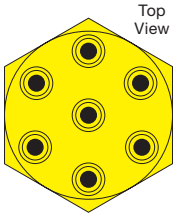


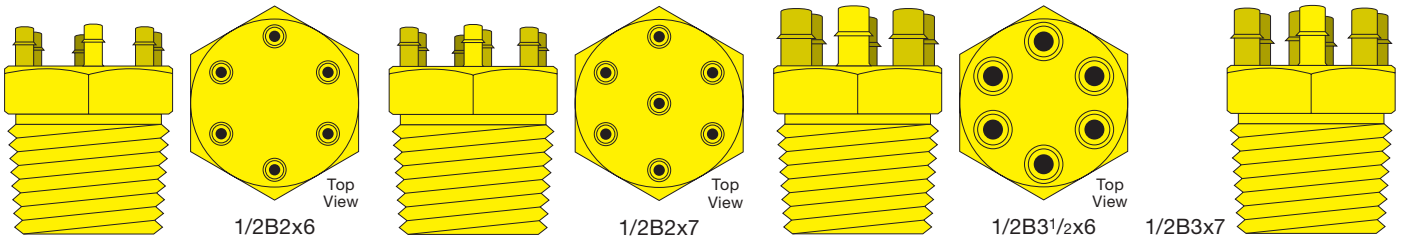
458 1/2 NPT Male Thread to Tube Straight Manifolds with 7 Branches

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/2B.031x7	1/2B.031x7-SS	1/2B.031x7-316SS	1/2B.031x7-NP	1 1/32	7/8	1/4
.040 / 1mm	1/2B.040x7	1/2B.040x7-SS	1/2B.040x7-316SS	1/2B.040x7-NP	1 1/32	7/8	1/4
3/64	1/2B.045x7	1/2B.045x7-SS	1/2B.045x7-316SS	1/2B.045x7-NP	1 1/32	7/8	1/4
.050	1/2B.050x7	1/2B.050x7-SS	1/2B.050x7-316SS	1/2B.050x7-NP	1 1/32	7/8	1/4
1/16	1/2B1x7	1/2B1x7-SS	1/2B1x7-316SS	1/2B1x7-NP	1 3/32	7/8	1/4
5/64 / 2mm	1/2B2x7	1/2B2x7-SS	1/2B2x7-316SS	1/2B2x7-NP	1 3/32	7/8	1/4
3/32	1/2B2 1/2x7	1/2B2 1/2x7-SS	1/2B2 1/2x7-316SS	1/2B2 1/2x7-NP	1 3/32	7/8	1/4
1/8	1/2B3x7	1/2B3x7-SS	1/2B3x7-316SS	1/2B3x7-NP	1 3/16	7/8	1/4
5/32 / 4mm	1/2B3 1/2x7	1/2B3 1/2x7-SS	1/2B3 1/2x7-316SS	1/2B3 1/2x7-NP	1 3/16	7/8	1/4



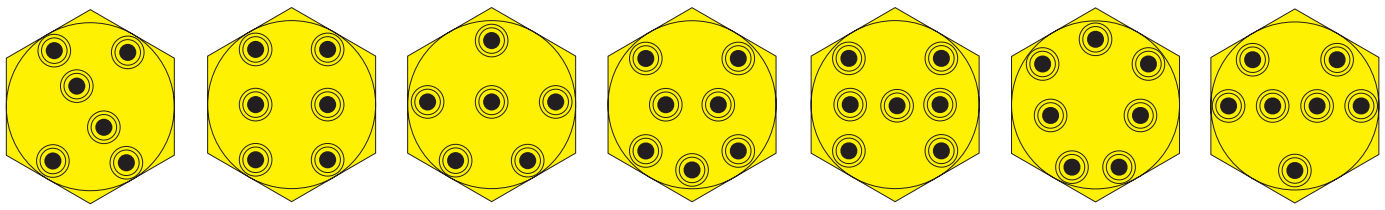
Note: *Images are for visual representation only; not intended for dimensional measurements. Dimensions may vary at time of manufacturing. Consult factory for details!*



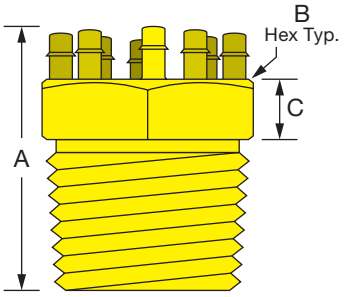


Note: *Number of branches and branch sizes may vary depending on branch location/placement. Dimensions may vary at time of manufacturing. Consult factory for details!*

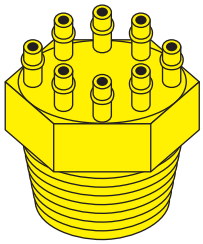
Customize Straight Manifolds with alternate branch locations! Use the template on page 249 to indicate branch placement!



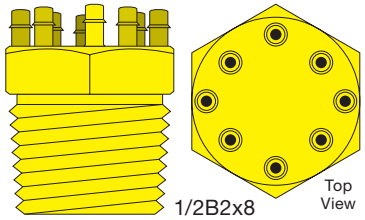
1/2 NPT Male Thread to Tube Straight Manifolds with 8 Branches 459

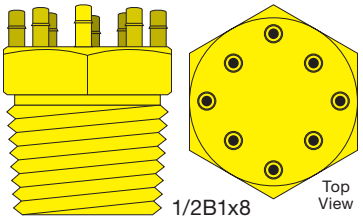


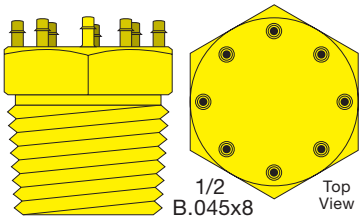
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/2B.031x8	1/2B.031x8-SS	1/2B.031x8-316SS	1/2B.031x8-NP	1 1/32	7/8	1/4
.040 / 1mm	1/2B.040x8	1/2B.040x8-SS	1/2B.040x8-316SS	1/2B.040x8-NP	1 1/32	7/8	1/4
3/64	1/2B.045x8	1/2B.045x8-SS	1/2B.045x8-316SS	1/2B.045x8-NP	1 1/32	7/8	1/4
.050	1/2B.050x8	1/2B.050x8-SS	1/2B.050x8-316SS	1/2B.050x8-NP	1 1/32	7/8	1/4
1/16	1/2B1x8	1/2B1x8-SS	1/2B1x8-316SS	1/2B1x8-NP	1 3/32	7/8	1/4
5/64 / 2mm	1/2B2x8	1/2B2x8-SS	1/2B2x8-316SS	1/2B2x8-NP	1 3/32	7/8	1/4
3/32	1/2B2 1/2x8	1/2B2 1/2x8-SS	1/2B2 1/2x8-316SS	1/2B2 1/2x8-NP	1 3/32	7/8	1/4



Note: *Images are for visual representation only; they are not intended for dimensional measurements.*

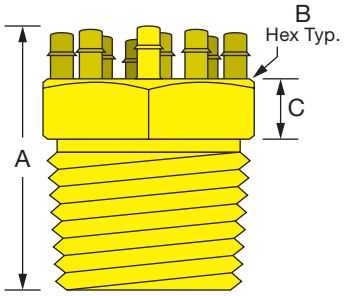




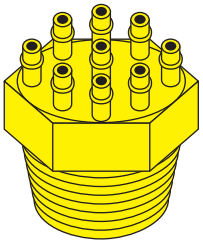


P

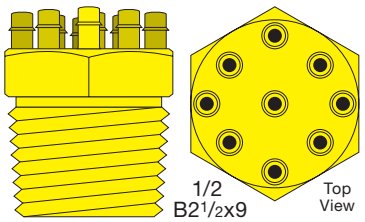
1/2 NPT Male Thread to Tube Straight Manifolds with 9 Branches 460

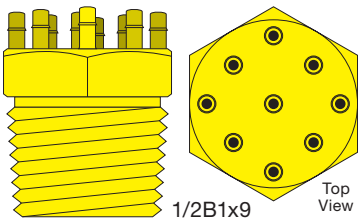


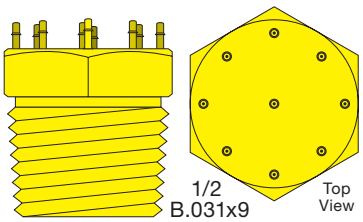
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/2B.031x9	1/2B.031x9-SS	1/2B.031x9-316SS	1/2B.031x9-NP	1 1/32	7/8	1/4
.040 / 1mm	1/2B.040x9	1/2B.040x9-SS	1/2B.040x9-316SS	1/2B.040x9-NP	1 1/32	7/8	1/4
3/64	1/2B.045x9	1/2B.045x9-SS	1/2B.045x9-316SS	1/2B.045x9-NP	1 1/32	7/8	1/4
.050	1/2B.050x9	1/2B.050x9-SS	1/2B.050x9-316SS	1/2B.050x9-NP	1 1/32	7/8	1/4
1/16	1/2B1x9	1/2B1x9-SS	1/2B1x9-316SS	1/2B1x9-NP	1 3/32	7/8	1/4
5/64 / 2mm	1/2B2x9	1/2B2x9-SS	1/2B2x9-316SS	1/2B2x9-NP	1 3/32	7/8	1/4
3/32	1/2B2 1/2x9	1/2B2 1/2x9-SS	1/2B2 1/2x9-316SS	1/2B2 1/2x9-NP	1 3/32	7/8	1/4



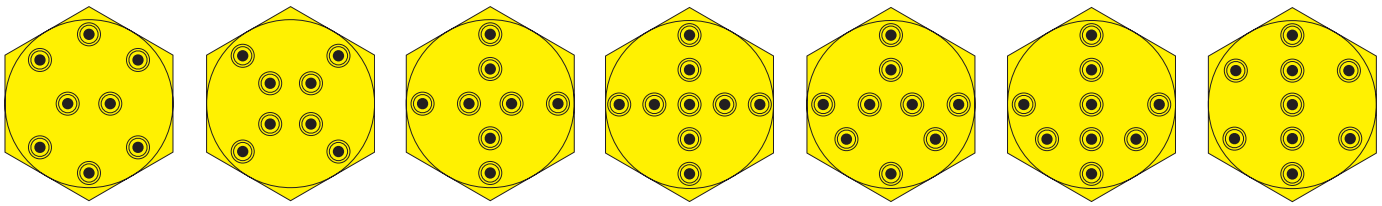
Note:
Dimensions may vary at time of manufacturing. Consult factor for details!







Customize Straight Manifolds with alternate branch locations! Use the template on page 249 to indicate branch placement!



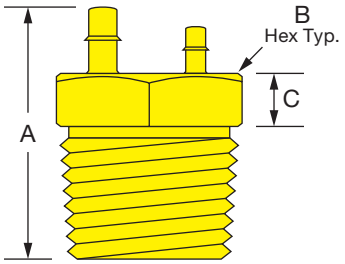
461 1/2 NPT Male Thread to Tube Straight Reducing Manifolds with 2 Branches

Branches		Dimensions (Reference)		
Tube ID	Branch #	A Ref.	B Typ.	C Ref.
1/32	.031	1 1/32	7/8	1/4
.040 / 1mm	.040	1 1/32	7/8	1/4
3/64	.045	1 1/32	7/8	1/4
.050	.050	1 1/32	7/8	1/4

Branches		Dimensions (Reference)		
Tube ID	Branch #	A Ref.	B Typ.	C Ref.
1/16	1	1 3/32	7/8	1/4
5/64 / 2mm	2	1 3/32	7/8	1/4
3/32	2 1/2	1 3/32	7/8	1/4
1/8	3	1 3/16	7/8	1/4
5/32 / 4mm	3 1/2	1 3/16	7/8	1/4

Branches		Dimensions (Reference)		
Tube ID	Branch #	A Ref.	B Typ.	C Ref.
.170	4	1 7/32	7/8	1/4
3/16	5	1 1/4	7/8	1/4
7/32	5 1/2	1 1/4	7/8	1/4
6mm	5 3/4	1 3/8	7/8	1/4
1/4	6	1 3/8	7/8	1/4

Note: Dimensions may vary at time of manufacturing. Consult factory for details!

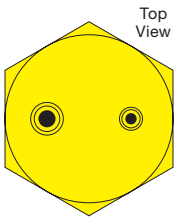


Part Numbers for 1/2 NPT Male Thread Reducing Manifolds with 2 Branches:

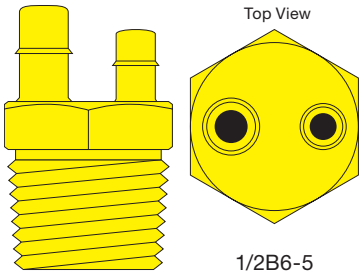
Thread Size → **1/2** **B** **#** - **#** ← Smaller Branch #

Fitting Series ↑ Larger Branch #

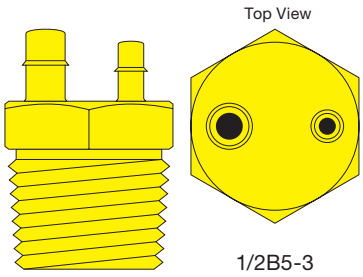
*Note: Images are for visual representation only; not intended for dimensional measurements. Dimensions may vary at time of manufacturing. **Material options are listed below!***



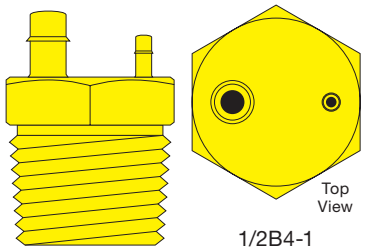
1/2B3-2



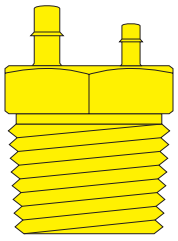
1/2B6-5



1/2B5-3



1/2B4-1



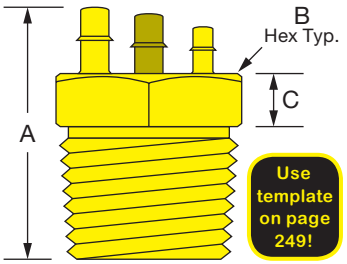
P

462 1/2 NPT Male Thread to Tube Straight Reducing Manifolds with 3 Branches

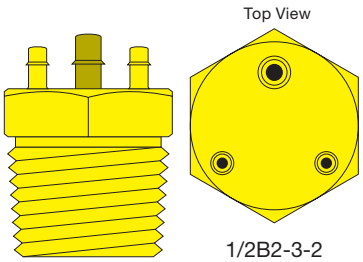
Branches		Dimensions (Reference)		
Tube ID	Branch #	A Ref.	B Typ.	C Ref.
1/32	.031	1 1/32	7/8	1/4
.040 / 1mm	.040	1 1/32	7/8	1/4
3/64	.045	1 1/32	7/8	1/4
.050	.050	1 1/32	7/8	1/4

Branches		Dimensions (Reference)		
Tube ID	Branch #	A Ref.	B Typ.	C Ref.
1/16	1	1 3/32	7/8	1/4
5/64 / 2mm	2	1 3/32	7/8	1/4
3/32	2 1/2	1 3/32	7/8	1/4
1/8	3	1 3/16	7/8	1/4

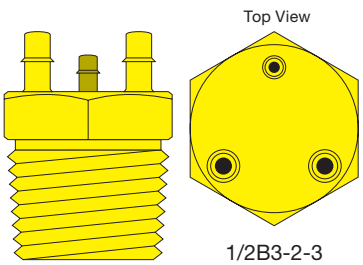
Branches		Dimensions (Reference)		
Tube ID	Branch #	A Ref.	B Typ.	C Ref.
5/32 / 4mm	3 1/2	1 3/16	7/8	1/4
.170	4	1 7/32	7/8	1/4
3/16	5	1 1/4	7/8	1/4
7/32	5 1/2	1 1/4	7/8	1/4



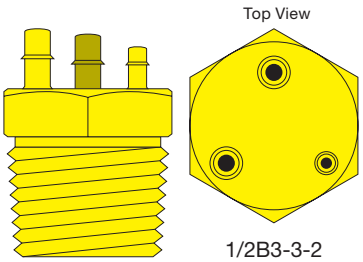
Use template on page 249!



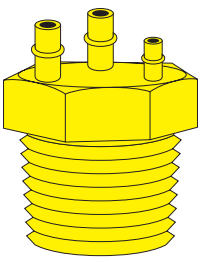
1/2B2-3-2



1/2B3-2-3



1/2B3-3-2



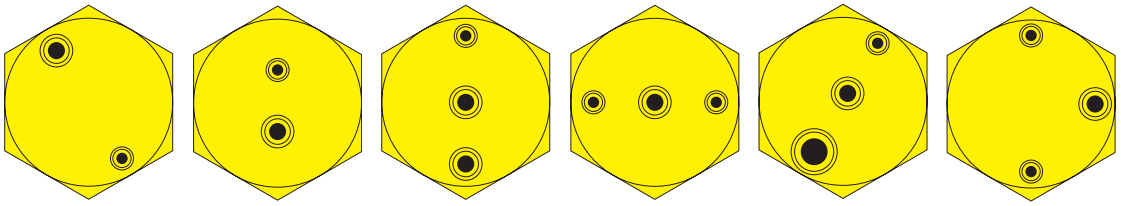
Unless otherwise specified, parts will be Brass. For other materials, add the following codes to the part number:

-SS = Stainless Steel 303

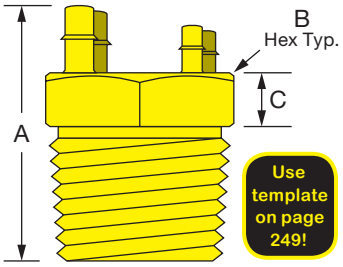
-316SS = Stainless Steel 316

-NP = Electroless Nickel Plate

Customize Straight Manifolds with alternate branch locations! See the template on page 249!



1/2 NPT Male Thread to Tube Straight Reducing Manifolds with 4 Branches 463



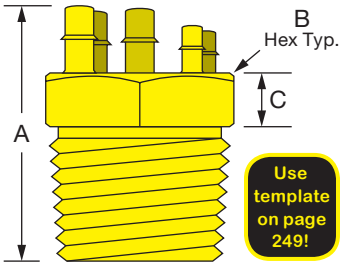
Use template on page 249!

Branches		Dimensions (Reference)		
Tube ID	Branch #	A Ref.	B Typ.	C Ref.
1/32	.031	1 1/32	7/8	1/4
.040 / 1mm	.040	1 1/32	7/8	1/4
3/64	.045	1 1/32	7/8	1/4
.050	.050	1 1/32	7/8	1/4

Branches		Dimensions (Reference)		
Tube ID	Branch #	A Ref.	B Typ.	C Ref.
1/16	1	1 3/32	7/8	1/4
5/64 / 2mm	2	1 3/32	7/8	1/4
3/32	2 1/2	1 3/32	7/8	1/4
1/8	3	1 3/16	7/8	1/4

Branches		Dimensions (Reference)		
Tube ID	Branch #	A Ref.	B Typ.	C Ref.
5/32 / 4mm	3 1/2	1 3/16	7/8	1/4
.170	4	1 7/32	7/8	1/4
3/16	5	1 1/4	7/8	1/4
7/32	5 1/2	1 1/4	7/8	1/4

1/2 NPT Male Thread Straight Reducing Manifolds with 5 Branches 464



Use template on page 249!

Branches		Dimensions (Reference)		
Tube ID	Branch #	A Ref.	B Typ.	C Ref.
1/32	.031	1 1/32	7/8	1/4
.040 / 1mm	.040	1 1/32	7/8	1/4
3/64	.045	1 1/32	7/8	1/4
.050	.050	1 1/32	7/8	1/4

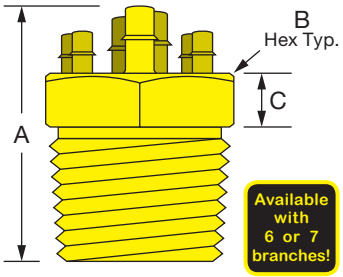
Branches		Dimensions (Reference)		
Tube ID	Branch #	A Ref.	B Typ.	C Ref.
1/16	1	1 3/32	7/8	1/4
5/64 / 2mm	2	1 3/32	7/8	1/4
3/32	2 1/2	1 3/32	7/8	1/4
1/8	3	1 3/16	7/8	1/4

Branches		Dimensions (Reference)		
Tube ID	Branch #	A Ref.	B Typ.	C Ref.
5/32 / 4mm	3 1/2	1 3/16	7/8	1/4
.170	4	1 7/32	7/8	1/4
3/16	5	1 1/4	7/8	1/4

Note: *Dimensions may vary at time of manufacturing. Consult factory for details!*

P

1/2 NPT Male Thread to Tube Straight Reducing Manifolds with 6 or 7 Branches 465



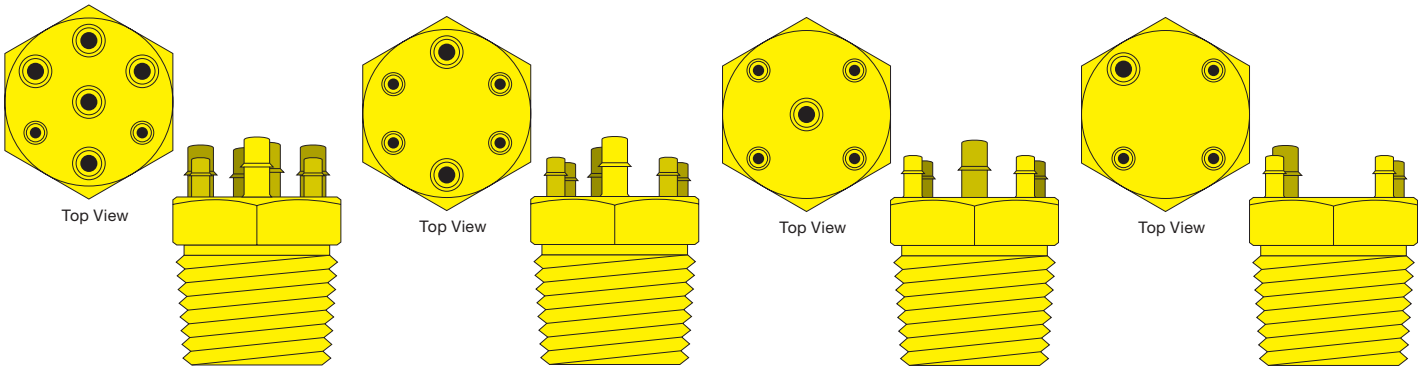
Available with 6 or 7 branches!

Branches		Dimensions (Reference)		
Tube ID	Branch #	A Ref.	B Typ.	C Ref.
1/32	.031	1 1/32	7/8	1/4
.040 / 1mm	.040	1 1/32	7/8	1/4
3/64	.045	1 1/32	7/8	1/4

Branches		Dimensions (Reference)		
Tube ID	Branch #	A Ref.	B Typ.	C Ref.
.050	.050	1 1/32	7/8	1/4
1/16	1	1 3/32	7/8	1/4
5/64 / 2mm	2	1 3/32	7/8	1/4

Branches		Dimensions (Reference)		
Tube ID	Branch #	A Ref.	B Typ.	C Ref.
3/32	2 1/2	1 3/32	7/8	1/4
1/8	3	1 3/16	7/8	1/4
5/32 / 4mm	3 1/2	1 3/16	7/8	1/4

Many options available! Use the template on page 249 to indicate branch sizes & placement!



Unless otherwise specified, parts will be Brass. For other materials, add the following codes to the part number:

-SS =
Stainless Steel 303

-316SS =
Stainless Steel 316

-NP =
Electroless Nickel Plate

Customize Multiple Branch Straight Reducing Manifolds with alternate branch locations!



Use the template on page 249 to indicate branch sizes and placement!

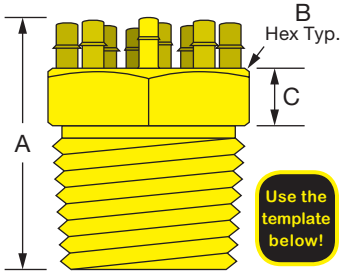
466 1/2 NPT Male Thread to Tube Straight Reducing Manifolds with 8 or 9 Branches

Branches		Dimensions (Reference)		
Tube ID	Branch #	A Ref.	B Typ.	C Ref.
1/32	.031	1 1/32	7/8	1/4
.040 / 1mm	.040	1 1/32	7/8	1/4
3/64	.045	1 1/32	7/8	1/4

Branches		Dimensions (Reference)		
Tube ID	Branch #	A Ref.	B Typ.	C Ref.
.050	.050	1 1/32	7/8	1/4
1/16	1	1 3/32	7/8	1/4

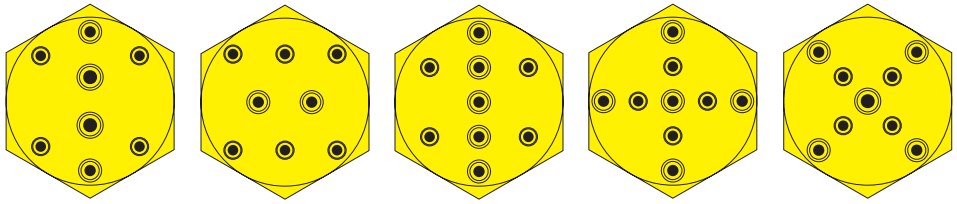
Branches		Dimensions (Reference)		
Tube ID	Branch #	A Ref.	B Typ.	C Ref.
5/64 / 2mm	2	1 3/32	7/8	1/4
3/32	2 1/2	1 3/32	7/8	1/4

Brass is standard. Other material options listed on previous page!

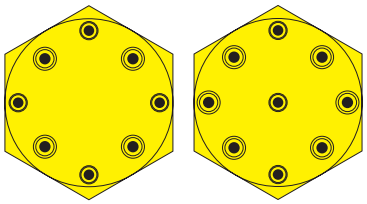


Use the template below!

Customize Straight Manifolds with alternate branch locations! See the template below!



Available with 8 or 9 branches!



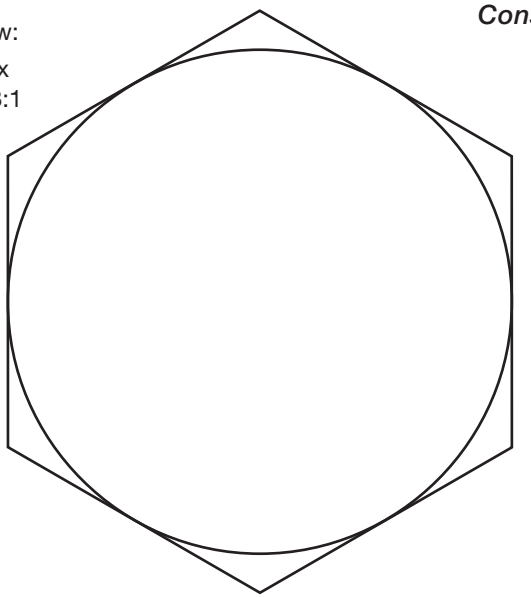
P

1/2 NPT Male Thread Straight Manifold Template for Branch Sizes and Locations

To Use:

Indicate the desired location of each branch by writing the numbers 1 through 9 (1 = 1st Branch, etc.) on the hex diagram on the below. Mark the coordinating Branch Number (size) in the chart below. Reference tables on this page and pages 243 - 248 for Branch Numbers and Tube ID's. Upon receipt of this template, a part number* will be issued. ***Note:*** The number of branches that will fit on the manifold hex will vary depending on the branch sizes desired.

Top View:
7/8 Hex
Scaled 3:1



Consult factory for details!

Branch Numbers:

1st Branch (1) = _____ 6th Branch (6) = _____

2nd Branch (2) = _____ 7th Branch (7) = _____

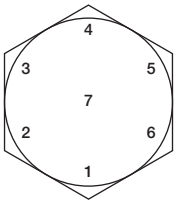
3rd Branch (3) = _____ 8th Branch (8) = _____

4th Branch (4) = _____ 9th Branch (9) = _____

5th Branch (5) = _____

*Part numbers will vary depending on branch configuration

Examples:



Branch Numbers:

1st Branch (1) = 3 6th Branch (6) = 2

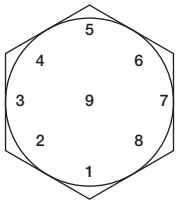
2nd Branch (2) = 3 7th Branch (7) = 1

3rd Branch (3) = 3 8th Branch (8) = n/a

4th Branch (4) = 3 9th Branch (9) = n/a

5th Branch (5) = 2

Four #3 Branches (1st, 2nd, 3rd & 4th)
Two #2 Branches (5th & 6th) *One* #1 Branch (7th)



Branch Numbers:

1st Branch (1) = 1 6th Branch (6) = 2

2nd Branch (2) = 2 7th Branch (7) = 1

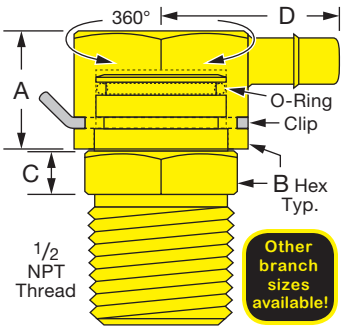
3rd Branch (3) = 1 8th Branch (8) = 2

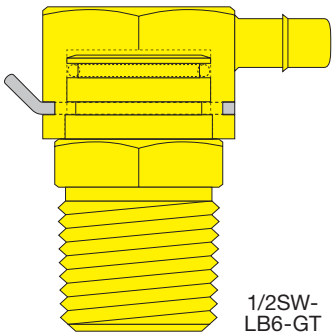
4th Branch (4) = 2 9th Branch (9) = 2

5th Branch (5) = 1

Five #2 Branches (2nd, 4th, 6th, 8th & 9th)
Four #1 Branches (1st, 3rd, 5th, 7th)

1/2 NPT Male Thread to Tube Swivel Elbows with Clip Groove 467

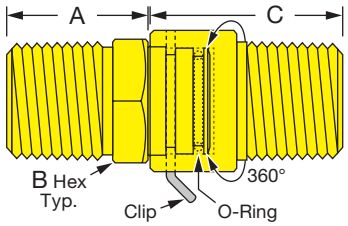


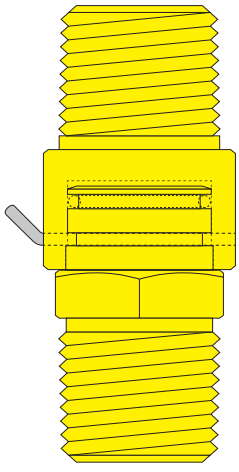


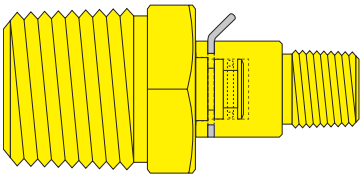
Tube ID	Part Numbers				Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/16	1/2SW-LB1-GT	1/2SW-LB1-GT-SS	1/2SW-LB1-GT-316SS	1/2SW-LB1-GT-NP	Consult Factory	Consult Factory	Consult Factory	Consult Factory
5/64 / 2mm	1/2SW-LB2-GT	1/2SW-LB2-GT-SS	1/2SW-LB2-GT-316SS	1/2SW-LB2-GT-NP				
3/32	1/2SW-LB2 1/2-GT	1/2SW-LB2 1/2-GT-SS	1/2SW-LB2 1/2-GT-316SS	1/2SW-LB2 1/2-GT-NP				
1/8	1/2SW-LB3-GT	1/2SW-LB3-GT-SS	1/2SW-LB3-GT-316SS	1/2SW-LB3-GT-NP				
5/32 / 4mm	1/2SW-LB3 1/2-GT	1/2SW-LB3 1/2-GT-SS	1/2SW-LB3 1/2-GT-316SS	1/2SW-LB3 1/2-GT-NP				
.170	1/2SW-LB4-GT	1/2SW-LB4-GT-SS	1/2SW-LB4-GT-316SS	1/2SW-LB4-GT-NP				
3/16	1/2SW-LB5-GT	1/2SW-LB5-GT-SS	1/2SW-LB5-GT-316SS	1/2SW-LB5-GT-NP				
7/32	1/2SW-LB5 1/2-GT	1/2SW-LB5 1/2-GT-SS	1/2SW-LB5 1/2-GT-316SS	1/2SW-LB5 1/2-GT-NP				
6mm	1/2SW-LB5 3/4-GT	1/2SW-LB5 3/4-GT-SS	1/2SW-LB5 3/4-GT-316SS	1/2SW-LB5 3/4-GT-NP				
1/4	1/2SW-LB6-GT	1/2SW-LB6-GT-SS	1/2SW-LB6-GT-316SS	1/2SW-LB6-GT-NP				
5/16 / 8mm	1/2SW-LB7-GT	1/2SW-LB7-GT-SS	1/2SW-LB7-GT-316SS	1/2SW-LB7-GT-NP				
3/8	1/2SW-LB8-GT	1/2SW-LB8-GT-SS	1/2SW-LB8-GT-316SS	1/2SW-LB8-GT-NP				
1/2	1/2SW-LB10-GT	1/2SW-LB10-GT-SS	1/2SW-LB10-GT-316SS	1/2SW-LB10-GT-NP				

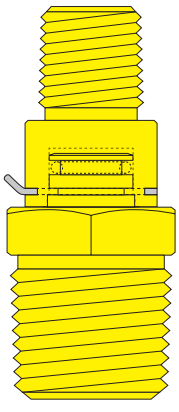
P

1/2 NPT Male Thread Swivel Nipples and Reducing Swivel Nipples 468

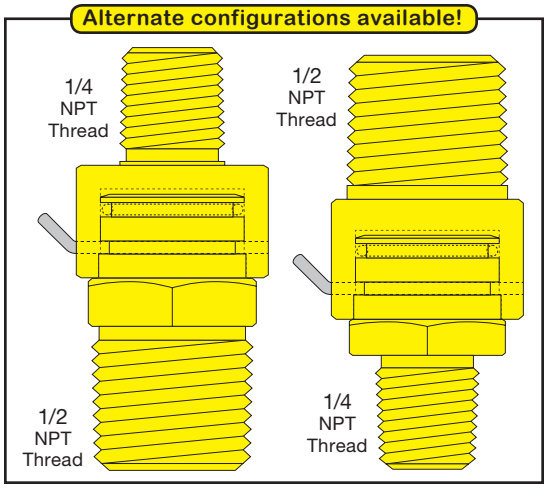








9 O'clock Thread Size	3 O'clock Thread Size	Part Numbers					Dimensions (Reference)		
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/2	1/2	1/2SWN-GT	1/2SWN-GT-SS	1/2SWN-GT-316SS	1/2SWN-GT-AL	1/2SWN-GT-NP	Consult Factory	Consult Factory	Consult Factory
1/2	3/8	1/2RSWN-3/8-GT	1/2RSWN-3/8-GT-SS	1/2RSWN-3/8-GT-316SS	1/2RSWN-3/8-GT-AL	1/2RSWN-3/8-GT-NP			
1/2	1/4	1/2RSWN-1/4-GT	1/2RSWN-1/4-GT-SS	1/2RSWN-1/4-GT-316SS	1/2RSWN-1/4-GT-AL	1/2RSWN-1/4-GT-NP			
1/2	1/8	1/2RSWN-1/8-GT	1/2RSWN-1/8-GT-SS	1/2RSWN-1/8-GT-316SS	1/2RSWN-1/8-GT-AL	1/2RSWN-1/8-GT-NP			
1/2	5/16-24	1/2RSWN-5/16-24-GT	1/2RSWN-5/16-24-GT-SS	1/2RSWN-5/16-24-GT-316SS	1/2RSWN-5/16-24-GT-AL	1/2RSWN-5/16-24-GT-NP			
1/2	5/16-18	1/2-RSWN-5/16-18-GT	1/2RSWN-5/16-18-GT-SS	1/2RSWN-5/16-18-GT-316SS	1/2RSWN-5/16-18-GT-AL	1/2RSWN-5/16-18-GT-NP			
1/2	1/16	1/2RSWN-1/16-GT	1/2RSWN-1/16-GT-SS	1/2RSWN-1/16-GT-316SS	1/2RSWN-1/16-GT-AL	1/2RSWN-1/16-GT-NP			
1/2	1/4-28	1/2RSWN-4-28-GT	1/2RSWN-4-28-GT-SS	1/2RSWN-4-28-GT-316SS	1/2RSWN-4-28-GT-AL	1/2RSWN-4-28-GT-NP			
1/2	10-32	1/2RSWN-10-GT	1/2RSWN-10-GT-SS	1/2RSWN-10-GT-316SS	1/2RSWN-10-GT-AL	1/2RSWN-10-GT-NP			



Consult factory for details!

More Swivel fitting options are available through the GT Series!

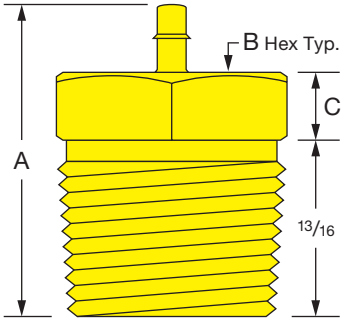
More thread sizes available!

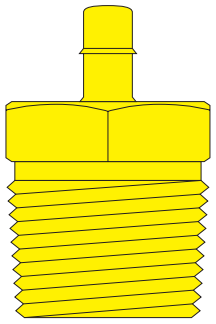
O-Ring options are available for straight threads. O-Ring material options are listed on page 65!

Note: *Images are for visual representation only.*

469 — 3/4 NPT Male Thread to Tube

Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	3/4B.031	3/4B.031-SS	3/4B.031-316SS	N/A	3/4B.031-NP	19/32	1 1/16	5/16
.040 / 1mm	3/4B.040	3/4B.040-SS	3/4B.040-316SS	N/A	3/4B.040-NP	19/32	1 1/16	5/16
3/64	3/4B.045	3/4B.045-SS	3/4B.045-316SS	N/A	3/4B.045-NP	19/32	1 1/16	5/16
.050	3/4B.050	3/4B.050-SS	3/4B.050-316SS	N/A	3/4B.050-NP	19/32	1 1/16	5/16
1/16	3/4B1	3/4B1-SS	3/4B1-316SS	3/4B1-AL	3/4B1-NP	1 11/32	1 1/16	5/16
5/64 / 2mm	3/4B2	3/4B2-SS	3/4B2-316SS	3/4B2-AL	3/4B2-NP	1 11/32	1 1/16	5/16
3/32	3/4B2 1/2	3/4B2 1/2-SS	3/4B2 1/2-316SS	3/4B2 1/2-AL	3/4B2 1/2-NP	1 11/32	1 1/16	5/16
1/8	3/4B3	3/4B3-SS	3/4B3-316SS	3/4B3-AL	3/4B3-NP	1 5/16	1 1/16	5/16
5/32 / 4mm	3/4B3 1/2	3/4B3 1/2-SS	3/4B3 1/2-316SS	3/4B3 1/2-AL	3/4B3 1/2-NP	1 5/16	1 1/16	5/16
.170	3/4B4	3/4B4-SS	3/4B4-316SS	3/4B4-AL	3/4B4-NP	1 11/32	1 1/16	5/16
3/16	3/4B5	3/4B5-SS	3/4B5-316SS	3/4B5-AL	3/4B5-NP	1 1/2	1 1/16	5/16
7/32	3/4B5 1/2	3/4B5 1/2-SS	3/4B5 1/2-316SS	3/4B5 1/2-AL	3/4B5 1/2-NP	1 1/2	1 1/16	5/16
6mm	3/4B5 3/4	3/4B5 3/4-SS	3/4B5 3/4-316SS	3/4B5 3/4-AL	3/4B5 3/4-NP	1 5/8	1 1/16	5/16
1/4	3/4B6	3/4B6-SS	3/4B6-316SS	3/4B6-AL	3/4B6-NP	1 5/8	1 1/16	5/16
5/16 / 8mm	3/4B7	3/4B7-SS	3/4B7-316SS	3/4B7-AL	3/4B7-NP	1 3/4	1 1/16	5/16
3/8	3/4B8	3/4B8-SS	3/4B8-316SS	3/4B8-AL	3/4B8-NP	1 21/32	1 1/16	5/16
1/2	3/4B10	3/4B10-SS	3/4B10-316SS	3/4B10-AL	3/4B10-NP	1 7/8	1 1/16	5/16
5/8	3/4B11	3/4B11-SS	3/4B11-316SS	3/4B11-AL	3/4B11-NP	2 11/32	1 1/16	5/16
3/4	3/4B12	3/4B12-SS	3/4B12-316SS	3/4B12-AL	3/4B12-NP	2 11/32	1 1/16	5/16



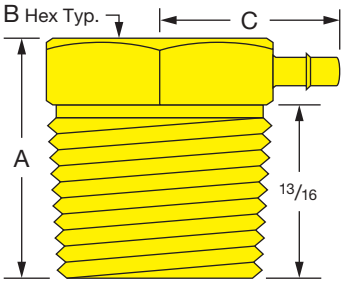


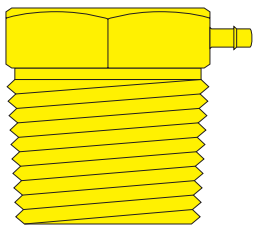
3/4B6

Note: *Images are for visual representation only; not intended for dimensional measurements. Dimensions may vary at time of manufacturing. Consult factory for details!*

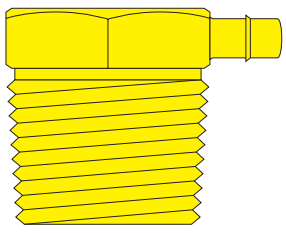
470 — 3/4 NPT Male Thread to Tube Elbows

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	3/4LB.031	3/4LB.031-SS	3/4LB.031-316SS	3/4LB.031-NP	1 1/8	1 1/16	11/16
.040 / 1mm	3/4LB.040	3/4LB.040-SS	3/4LB.040-316SS	3/4LB.040-NP	1 1/8	1 1/16	11/16
3/64	3/4LB.045	3/4LB.045-SS	3/4LB.045-316SS	3/4LB.045-NP	1 1/8	1 1/16	11/16
.050	3/4LB.050	3/4LB.050-SS	3/4LB.050-316SS	3/4LB.050-NP	1 1/8	1 1/16	11/16
1/16	3/4LB1	3/4LB1-SS	3/4LB1-316SS	3/4LB1-NP	1 1/8	1 1/16	13/16
5/64 / 2mm	3/4LB2	3/4LB2-SS	3/4LB2-316SS	3/4LB2-NP	1 1/8	1 1/16	13/16
3/32	3/4LB2 1/2	3/4LB2 1/2-SS	3/4LB2 1/2-316SS	3/4LB2 1/2-NP	1 1/8	1 1/16	13/16
1/8	3/4LB3	3/4LB3-SS	3/4LB3-316SS	3/4LB3-NP	1 1/8	1 1/16	27/32
5/32 / 4mm	3/4LB3 1/2	3/4LB3 1/2-SS	3/4LB3 1/2-316SS	3/4LB3 1/2-NP	1 1/8	1 1/16	27/32
.170	3/4LB4	3/4LB4-SS	3/4LB4-316SS	3/4LB4-NP	1 1/8	1 1/16	7/8
3/16	3/4LB5	3/4LB5-SS	3/4LB5-316SS	3/4LB5-NP	1 1/8	1 1/16	29/32
7/32	3/4LB5 1/2	3/4LB5 1/2-SS	3/4LB5 1/2-316SS	3/4LB5 1/2-NP	1 1/8	1 1/16	29/32
6mm	3/4LB5 3/4	3/4LB5 3/4-SS	3/4LB5 3/4-316SS	3/4LB5 3/4-NP	1 1/8	1 1/16	1 1/32
1/4	3/4LB6	3/4LB6-SS	3/4LB6-316SS	3/4LB6-NP	1 1/8	1 1/16	1 1/32
5/16 / 8mm	3/4LB7	3/4LB7-SS	3/4LB7-316SS	3/4LB7-NP	1 1/4	1 1/16	1 5/32
3/8	3/4LB8	3/4LB8-SS	3/4LB8-316SS	3/4LB8-NP	1 1/4	1 1/16	1 1/16
1/2	3/4LB10	3/4LB10-SS	3/4LB10-316SS	3/4LB10-NP	1 7/16	1 1/16	1 9/32
5/8	3/4LB11	3/4LB11-SS	3/4LB11-316SS	3/4LB11-NP	1 9/16	1 1/16	1 3/4
3/4	3/4LB12	3/4LB12-SS	3/4LB12-316SS	3/4LB12-NP	1 11/16	1 1/16	1 3/4





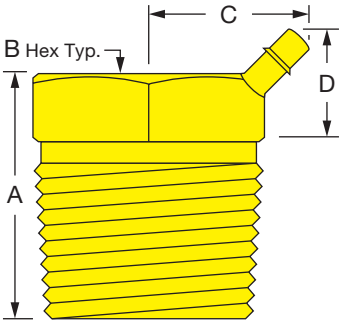
3/4LB2

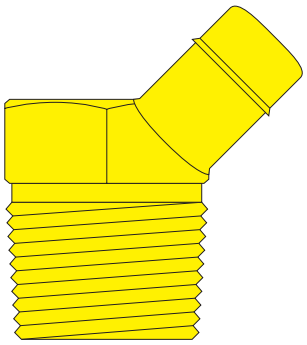


3/4LB5

Q

3/4 NPT Male Thread to Tube 45° Elbows 471





3/4LB10-45°

Note: *For systems that do not allow the degree symbol (°) to be used, substitute with 'DEG' in the part number.*

Tube ID	Part Numbers				Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/32	3/4LB.031-45°	3/4LB.031-45°-SS	3/4LB.031-45°-316SS	3/4LB.031-45°-NP	1 1/8	1 1/16		
.040 / 1mm	3/4LB.040-45°	3/4LB.040-45°-SS	3/4LB.040-45°-316SS	3/4LB.040-45°-NP	1 1/8	1 1/16		
3/64	3/4LB.045-45°	3/4LB.045-45°-SS	3/4LB.045-45°-316SS	3/4LB.045-45°-NP	1 1/8	1 1/16		
.050	3/4LB.050-45°	3/4LB.050-45°-SS	3/4LB.050-45°-316SS	3/4LB.050-45°-NP	1 1/8	1 1/16		
1/16	3/4LB1-45°	3/4LB1-45°-SS	3/4LB1-45°-316SS	3/4LB1-45°-NP	1 1/8	1 1/16		
5/64 / 2mm	3/4LB2-45°	3/4LB2-45°-SS	3/4LB2-45°-316SS	3/4LB2-45°-NP	1 1/8	1 1/16		
3/32	3/4LB2 1/2-45°	3/4LB2 1/2-45°-SS	3/4LB2 1/2-45°-316SS	3/4LB2 1/2-45°-NP	1 1/8	1 1/16		
1/8	3/4LB3-45°	3/4LB3-45°-SS	3/4LB3-45°-316SS	3/4LB3-45°-NP	1 1/8	1 1/16		
5/32 / 4mm	3/4LB3 1/2-45°	3/4LB3 1/2-45°-SS	3/4LB3 1/2-45°-316SS	3/4LB3 1/2-45°-NP	1 1/8	1 1/16		
.170	3/4LB4-45°	3/4LB4-45°-SS	3/4LB4-45°-316SS	3/4LB4-45°-NP	1 1/8	1 1/16		
3/16	3/4LB5-45°	3/4LB5-45°-SS	3/4LB5-45°-316SS	3/4LB5-45°-NP	1 1/8	1 1/16		
7/32	3/4LB5 1/2-45°	3/4LB5 1/2-45°-SS	3/4LB5 1/2-45°-316SS	3/4LB5 1/2-45°-NP	1 1/8	1 1/16		
6mm	3/4LB5 3/4-45°	3/4LB5 3/4-45°-SS	3/4LB5 3/4-45°-316SS	3/4LB5 3/4-45°-NP	1 1/8	1 1/16		
1/4	3/4LB6-45°	3/4LB6-45°-SS	3/4LB6-45°-316SS	3/4LB6-45°-NP	1 1/8	1 1/16		
5/16 / 8mm	3/4LB7-45°	3/4LB7-45°-SS	3/4LB7-45°-316SS	3/4LB7-45°-NP	1 1/8	1 1/16		
3/8	3/4LB8-45°	3/4LB8-45°-SS	3/4LB8-45°-316SS	3/4LB8-45°-NP	1 1/4	1 1/16		
1/2	3/4LB10-45°	3/4LB10-45°-SS	3/4LB10-45°-316SS	3/4LB10-45°-NP	1 1/4	1 1/16		
5/8	3/4LB11-45°	3/4LB11-45°-SS	3/4LB11-45°-316SS	3/4LB11-45°-NP	1 9/16	1 1/16		
3/4	3/4LB12-45°	3/4LB12-45°-SS	3/4LB12-45°-316SS	3/4LB12-45°-NP	1 11/16	1 1/16		

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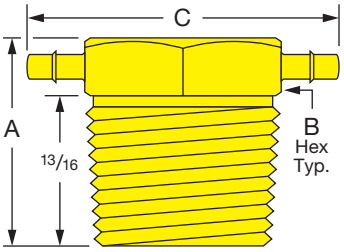
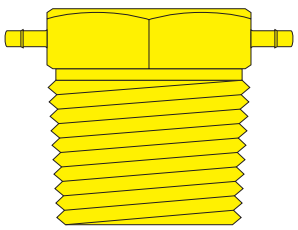
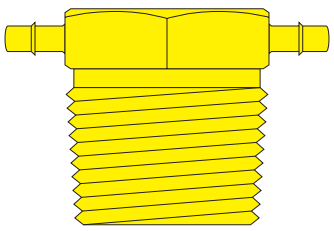
3/4 NPT Male Thread to Tube Tees 472





3/4T1



3/4T3

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	3/4T.031	3/4T.031-SS	3/4T.031-316SS	3/4T.031-NP	1 1/8	1 1/16	1 3/8
.040 / 1mm	3/4T.040	3/4T.040-SS	3/4T.040-316SS	3/4T.040-NP	1 1/8	1 1/16	1 3/8
3/64	3/4T.045	3/4T.045-SS	3/4T.045-316SS	3/4T.045-NP	1 1/8	1 1/16	1 3/8
.050	3/4T.050	3/4T.050-SS	3/4T.050-316SS	3/4T.050-NP	1 1/8	1 1/16	1 3/8
1/16	3/4T1	3/4T1-SS	3/4T1-316SS	3/4T1-NP	1 1/8	1 1/16	1 5/8
5/64 / 2mm	3/4T2	3/4T2-SS	3/4T2-316SS	3/4T2-NP	1 1/8	1 1/16	1 5/8
3/32	3/4T2 1/2	3/4T2 1/2-SS	3/4T2 1/2-316SS	3/4T2 1/2-NP	1 1/8	1 1/16	1 5/8
1/8	3/4T3	3/4T3-SS	3/4T3-316SS	3/4T3-NP	1 1/8	1 1/16	1 11/16
5/32 / 4mm	3/4T3 1/2	3/4T3 1/2-SS	3/4T3 1/2-316SS	3/4T3 1/2-NP	1 1/8	1 1/16	1 11/16
.170	3/4T4	3/4T4-SS	3/4T4-316SS	3/4T4-NP	1 1/8	1 1/16	1 3/4
3/16	3/4T5	3/4T5-SS	3/4T5-316SS	3/4T5-NP	1 1/8	1 1/16	1 13/16
7/32	3/4T5 1/2	3/4T5 1/2-SS	3/4T5 1/2-316SS	3/4T5 1/2-NP	1 1/8	1 1/16	1 13/16
6mm	3/4T5 3/4	3/4T5 3/4-SS	3/4T5 3/4-316SS	3/4T5 3/4-NP	1 1/8	1 1/16	2 1/16
1/4	3/4T6	3/4T6-SS	3/4T6-316SS	3/4T6-NP	1 1/8	1 1/16	2 1/16
5/16 / 8mm	3/4T7	3/4T7-SS	3/4T7-316SS	3/4T7-NP	1 1/4	1 1/16	2 5/16
3/8	3/4T8	3/4T8-SS	3/4T8-316SS	3/4T8-NP	1 1/4	1 1/16	2 1/8
1/2	3/4T10	3/4T10-SS	3/4T10-316SS	3/4T10-NP	1 7/16	1 1/16	2 9/16
5/8	3/4T11	3/4T11-SS	3/4T11-316SS	3/4T11-NP	1 9/16	1 1/16	3 1/2
3/4	3/4T12	3/4T12-SS	3/4T12-316SS	3/4T12-NP	1 11/16	1 1/16	3 1/2

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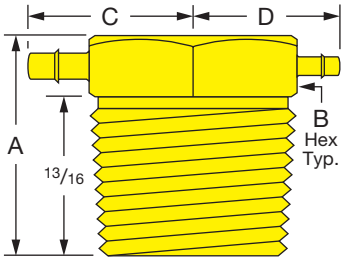
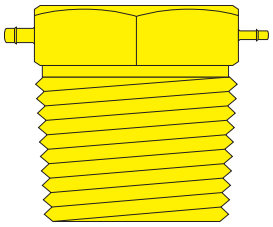
Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 31613	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
.040 / 1mm	1/32	3/4RT.040-.031	3/4RT.040-.031-SS	3/4RT.040-.031-316SS	3/4RT.040-.031-NP	1 1/8	1 1/16	11/16	11/16
3/64	1/32	3/4RT.045-.031	3/4RT.045-.031-SS	3/4RT.045-.031-316SS	3/4RT.045-.031-NP	1 1/8	1 1/16	11/16	11/16
3/64	.040 / 1mm	3/4RT.045-.040	3/4RT.045-.040-SS	3/4RT.045-.040-316SS	3/4RT.045-.040-NP	1 1/8	1 1/16	11/16	11/16
.050	1/32	3/4RT.050-.031	3/4RT.050-.031-SS	3/4RT.050-.031-316SS	3/4RT.050-.031-NP	1 1/8	1 1/16	11/16	11/16
.050	.040 / 1mm	3/4RT.050-.040	3/4RT.050-.040-SS	3/4RT.050-.040-316SS	3/4RT.050-.040-NP	1 1/8	1 1/16	11/16	11/16
.050	1/64	3/4RT.050-.045	3/4RT.050-.045-SS	3/4RT.050-.045-316SS	3/4RT.050-.045-NP	1 1/8	1 1/16	11/16	11/16
1/16	1/32	3/4RT1-.031	3/4RT1-.031-SS	3/4RT1-.031-316SS	3/4RT1-.031-NP	1 1/8	1 1/16	13/16	11/16
1/16	.040 / 1mm	3/4RT1-.040	3/4RT1-.040-SS	3/4RT1-.040-316SS	3/4RT1-.040-NP	1 1/8	1 1/16	13/16	11/16
1/16	3/64	3/4RT1-.045	3/4RT1-.045-SS	3/4RT1-.045-316SS	3/4RT1-.045-NP	1 1/8	1 1/16	13/16	11/16
1/16	.050	3/4RT1-.050	3/4RT1-.050-SS	3/4RT1-.050-316SS	3/4RT1-.050-NP	1 1/8	1 1/16	13/16	11/16
5/64 / 2mm	1/32	3/4RT2-.031	3/4RT2-.031-SS	3/4RT2-.031-316SS	3/4RT2-.031-NP	1 1/8	1 1/16	13/16	11/16
5/64 / 2mm	.040 / 1mm	3/4RT2-.040	3/4RT2-.040-SS	3/4RT2-.040-316SS	3/4RT2-.040-NP	1 1/8	1 1/16	13/16	11/16
5/64 / 2mm	3/64	3/4RT2-.045	3/4RT2-.045-SS	3/4RT2-.045-316SS	3/4RT2-.045-NP	1 1/8	1 1/16	13/16	11/16
5/64 / 2mm	.050	3/4RT2-.050	3/4RT2-.050-SS	3/4RT2-.050-316SS	3/4RT2-.050-NP	1 1/8	1 1/16	13/16	11/16
5/64 / 2mm	1/16	3/4RT2-1	3/4RT2-1-SS	3/4RT2-1-316SS	3/4RT2-1-NP	1 1/8	1 1/16	13/16	13/16
3/32	1/32	3/4RT2 1/2-.031	3/4RT2 1/2-.031-SS	3/4RT2 1/2-.031-316SS	3/4RT2 1/2-.031-NP	1 1/8	1 1/16	13/16	11/16
3/32	.040 / 1mm	3/4RT2 1/2-.040	3/4RT2 1/2-.040-SS	3/4RT2 1/2-.040-316SS	3/4RT2 1/2-.040-NP	1 1/8	1 1/16	13/16	11/16
3/32	3/64	3/4RT2 1/2-.045	3/4RT2 1/2-.045-SS	3/4RT2 1/2-.045-316SS	3/4RT2 1/2-.045-NP	1 1/8	1 1/16	13/16	11/16
3/32	.050	3/4RT2 1/2-.050	3/4RT2 1/2-.050-SS	3/4RT2 1/2-.050-316SS	3/4RT2 1/2-.050-NP	1 1/8	1 1/16	13/16	11/16
3/32	1/16	3/4RT2 1/2-1	3/4RT2 1/2-1-SS	3/4RT2 1/2-1-316SS	3/4RT2 1/2-1-NP	1 1/8	1 1/16	13/16	13/16
3/32	5/64 / 2mm	3/4RT2 1/2-2	3/4RT2 1/2-2-SS	3/4RT2 1/2-2-316SS	3/4RT2 1/2-2-NP	1 1/8	1 1/16	13/16	13/16
1/8	1/32	3/4RT3-.031	3/4RT3-.031-SS	3/4RT3-.031-316SS	3/4RT3-.031-NP	1 1/8	1 1/16	27/32	11/16
1/8	.040 / 1mm	3/4RT3-.040	3/4RT3-.040-SS	3/4RT3-.040-316SS	3/4RT3-.040-NP	1 1/8	1 1/16	27/32	11/16
1/8	3/64	3/4RT3-.045	3/4RT3-.045-SS	3/4RT3-.045-316SS	3/4RT3-.045-NP	1 1/8	1 1/16	27/32	11/16
1/8	.050	3/4RT3-.050	3/4RT3-.050-SS	3/4RT3-.050-316SS	3/4RT3-.050-NP	1 1/8	1 1/16	27/32	11/16
1/8	1/16	3/4RT3-1	3/4RT3-1-SS	3/4RT3-1-316SS	3/4RT3-1-NP	1 1/8	1 1/16	27/32	13/16
1/8	5/64 / 2mm	3/4RT3-2	3/4RT3-2-SS	3/4RT3-2-316SS	3/4RT3-2-NP	1 1/8	1 1/16	27/32	13/16
1/8	3/32	3/4RT3-2 1/2	3/4RT3-2 1/2-SS	3/4RT3-2 1/2-316SS	3/4RT3-2 1/2-NP	1 1/8	1 1/16	27/32	13/16
5/32	1/32	3/4RT3 1/2-.031	3/4RT3 1/2-.031-SS	3/4RT3 1/2-.031-316SS	3/4RT3 1/2-.031-NP	1 1/8	1 1/16	27/32	11/16
5/32	.040 / 1mm	3/4RT3 1/2-.040	3/4RT3 1/2-.040-SS	3/4RT3 1/2-.040-316SS	3/4RT3 1/2-.040-NP	1 1/8	1 1/16	27/32	11/16
5/32	3/64	3/4RT3 1/2-.045	3/4RT3 1/2-.045-SS	3/4RT3 1/2-.045-316SS	3/4RT3 1/2-.045-NP	1 1/8	1 1/16	27/32	11/16
5/32	.050	3/4RT3 1/2-.050	3/4RT3 1/2-.050-SS	3/4RT3 1/2-.050-316SS	3/4RT3 1/2-.050-NP	1 1/8	1 1/16	27/32	11/16
5/32	1/16	3/4RT3 1/2-1	3/4RT3 1/2-1-SS	3/4RT3 1/2-1-316SS	3/4RT3 1/2-1-NP	1 1/8	1 1/16	27/32	13/16
5/32	5/64 / 2mm	3/4RT3 1/2-2	3/4RT3 1/2-2-SS	3/4RT3 1/2-2-316SS	3/4RT3 1/2-2-NP	1 1/8	1 1/16	27/32	13/16
5/32	3/32	3/4RT3 1/2-2 1/2	3/4RT3 1/2-2 1/2-SS	3/4RT3 1/2-2 1/2-316SS	3/4RT3 1/2-2 1/2-NP	1 1/8	1 1/16	27/32	13/16
5/32	1/8	3/4RT3 1/2-3	3/4RT3 1/2-3-SS	3/4RT3 1/2-3-316SS	3/4RT3 1/2-3-NP	1 1/8	1 1/16	27/32	27/32

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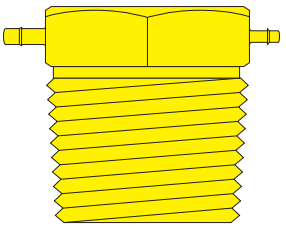
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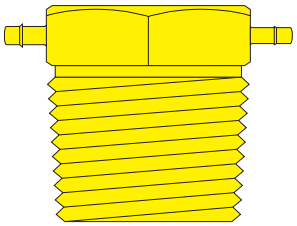
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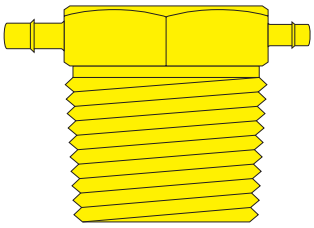
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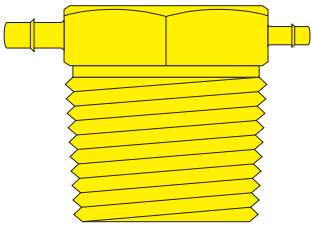
3/4RT3 1/2-2

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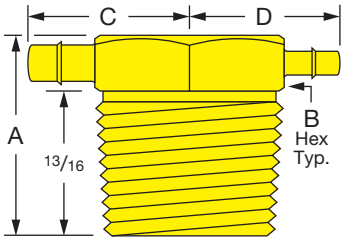
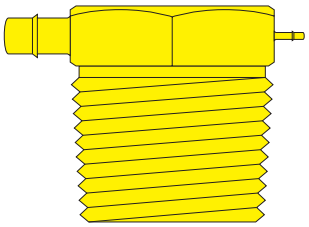
Note: *Images are for visual representation only; not intended for dimensional measurements.*

Q

3/4 NPT Male Thread to Tube Reducing Tees (continued) 474





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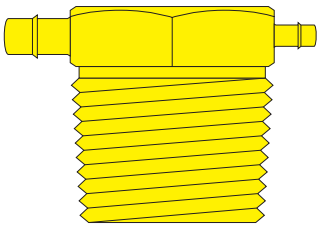

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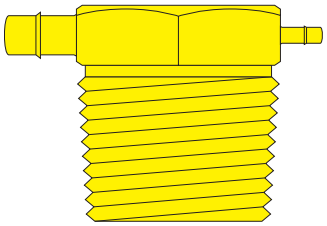

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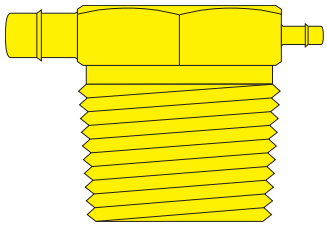
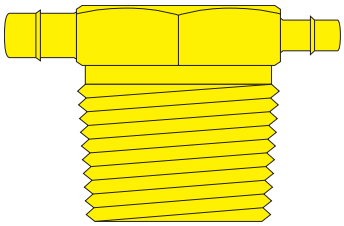


3/4RT5 1/2-2



3/4RT5 1/2-3 1/2

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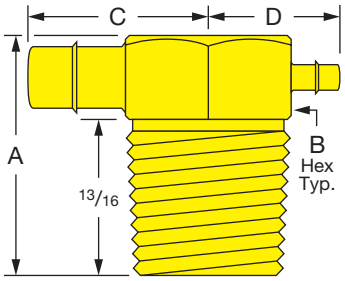
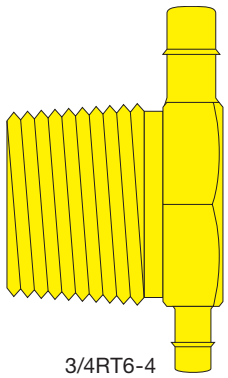
Note: *Images are for visual representation only; not intended for dimensional measurements.*

Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 31613	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
.170	1/32	3/4RT4-.031	3/4RT4-.031-SS	3/4RT4-.031-316SS	3/4RT4-.031-NP	1 1/8	1 1/16	7/8	11/16
.170	.040 / 1mm	3/4RT4-.040	3/4RT4-.040-SS	3/4RT4-.040-316SS	3/4RT4-.040-NP	1 1/8	1 1/16	7/8	11/16
.170	3/64	3/4RT4-.045	3/4RT4-.045-SS	3/4RT4-.045-316SS	3/4RT4-.045-NP	1 1/8	1 1/16	7/8	11/16
.170	.050	3/4RT4-.050	3/4RT4-.050-SS	3/4RT4-.050-316SS	3/4RT4-.050-NP	1 1/8	1 1/16	7/8	11/16
.170	1/16	3/4RT4-1	3/4RT4-1-SS	3/4RT4-1-316SS	3/4RT4-1-NP	1 1/8	1 1/16	7/8	13/16
.170	5/64 / 2mm	3/4RT4-2	3/4RT4-2-SS	3/4RT4-2-316SS	3/4RT4-2-NP	1 1/8	1 1/16	7/8	13/16
.170	3/32	3/4RT4-2 1/2	3/4RT4-2 1/2-SS	3/4RT4-2 1/2-316SS	3/4RT4-2 1/2-NP	1 1/8	1 1/16	7/8	13/16
.170	1/8	3/4RT4-3	3/4RT4-3-SS	3/4RT4-3-316SS	3/4RT4-3-NP	1 1/8	1 1/16	7/8	27/32
.170	5/32 / 4mm	3/4RT4-3 1/2	3/4RT4-3 1/2-SS	3/4RT4-3 1/2-316SS	3/4RT4-3 1/2-NP	1 1/8	1 1/16	7/8	27/32
3/16	1/32	3/4RT5-.031	3/4RT5-.031-SS	3/4RT5-.031-316SS	3/4RT5-.031-NP	1 1/8	1 1/16	29/32	11/16
3/16	.040 / 1mm	3/4RT5-.040	3/4RT5-.040-SS	3/4RT5-.040-316SS	3/4RT5-.040-NP	1 1/8	1 1/16	29/32	11/16
3/16	3/64	3/4RT5-.045	3/4RT5-.045-SS	3/4RT5-.045-316SS	3/4RT5-.045-NP	1 1/8	1 1/16	29/32	11/16
3/16	.050	3/4RT5-.050	3/4RT5-.050-SS	3/4RT5-.050-316SS	3/4RT5-.050-NP	1 1/8	1 1/16	29/32	11/16
3/16	1/16	3/4RT5-1	3/4RT5-1-SS	3/4RT5-1-316SS	3/4RT5-1-NP	1 1/8	1 1/16	29/32	13/16
3/16	5/64 / 2mm	3/4RT5-2	3/4RT5-2-SS	3/4RT5-2-316SS	3/4RT5-2-NP	1 1/8	1 1/16	29/32	13/16
3/16	3/32	3/4RT5-2 1/2	3/4RT5-2 1/2-SS	3/4RT5-2 1/2-316SS	3/4RT5-2 1/2-NP	1 1/8	1 1/16	29/32	13/16
3/16	1/8	3/4RT5-3	3/4RT5-3-SS	3/4RT5-3-316SS	3/4RT5-3-NP	1 1/8	1 1/16	29/32	27/32
3/16	5/32 / 4mm	3/4RT5-3 1/2	3/4RT5-3 1/2-SS	3/4RT5-3 1/2-316SS	3/4RT5-3 1/2-NP	1 1/8	1 1/16	29/32	27/32
3/16	.170	3/4RT5-4	3/4RT5-4-SS	3/4RT5-4-316SS	3/4RT5-4-NP	1 1/8	1 1/16	29/32	7/8
7/32	1/16	3/4RT5 1/2-1	3/4RT5 1/2-1-SS	3/4RT5 1/2-1-316SS	3/4RT5 1/2-1-NP	1 1/8	1 1/16	29/32	13/16
7/32	5/64 / 2mm	3/4RT5 1/2-2	3/4RT5 1/2-2-SS	3/4RT5 1/2-2-316SS	3/4RT5 1/2-2-NP	1 1/8	1 1/16	29/32	13/16
7/32	3/32	3/4RT5 1/2-2 1/2	3/4RT5 1/2-2 1/2-SS	3/4RT5 1/2-2 1/2-316SS	3/4RT5 1/2-2 1/2-NP	1 1/8	1 1/16	29/32	13/16
7/32	1/8	3/4RT5 1/2-3	3/4RT5 1/2-3-SS	3/4RT5 1/2-3-316SS	3/4RT5 1/2-3-NP	1 1/8	1 1/16	29/32	27/32
7/32	5/32 / 4mm	3/4RT5 1/2-3 1/2	3/4RT5 1/2-3 1/2-SS	3/4RT5 1/2-3 1/2-316SS	3/4RT5 1/2-3 1/2-NP	1 1/8	1 1/16	29/32	27/32
7/32	.170	3/4RT5 1/2-4	3/4RT5 1/2-4-SS	3/4RT5 1/2-4-316SS	3/4RT5 1/2-4-NP	1 1/8	1 1/16	29/32	7/8
7/32	3/16	3/4RT5 1/2-5	3/4RT5 1/2-5-SS	3/4RT5 1/2-5-316SS	3/4RT5 1/2-5-NP	1 1/8	1 1/16	29/32	29/32
6mm	1/16	3/4RT5 3/4-1	3/4RT5 3/4-1-SS	3/4RT5 3/4-1-316SS	3/4RT5 3/4-1-NP	1 1/8	1 1/16	1 1/32	13/16
6mm	5/64 / 2mm	3/4RT5 3/4-2	3/4RT5 3/4-2-SS	3/4RT5 3/4-2-316SS	3/4RT5 3/4-2-NP	1 1/8	1 1/16	1 1/32	13/16
6mm	3/32	3/4RT5 3/4-2 1/2	3/4RT5 3/4-2 1/2-SS	3/4RT5 3/4-2 1/2-316SS	3/4RT5 3/4-2 1/2-NP	1 1/8	1 1/16	1 1/32	13/16
6mm	1/8	3/4RT5 3/4-3	3/4RT5 3/4-3-SS	3/4RT5 3/4-3-316SS	3/4RT5 3/4-3-NP	1 1/8	1 1/16	1 1/32	27/32
6mm	5/32 / 4mm	3/4RT5 3/4-3 1/2	3/4RT5 3/4-3 1/2-SS	3/4RT5 3/4-3 1/2-316SS	3/4RT5 3/4-3 1/2-NP	1 1/8	1 1/16	1 1/32	27/32
6mm	.170	3/4RT5 3/4-4	3/4RT5 3/4-4-SS	3/4RT5 3/4-4-316SS	3/4RT5 3/4-4-NP	1 1/8	1 1/16	1 1/32	7/8
6mm	3/16	3/4RT5 3/4-5	3/4RT5 3/4-5-SS	3/4RT5 3/4-5-316SS	3/4RT5 3/4-5-NP	1 1/8	1 1/16	1 1/32	29/32
6mm	7/32	3/4RT5 3/4-5 1/2	3/4RT5 3/4-5 1/2-SS	3/4RT5 3/4-5 1/2-316SS	3/4RT5 3/4-5 1/2-NP	1 1/8	1 1/16	1 1/32	29/32
1/4	1/16	3/4RT6-1	3/4RT6-1-SS	3/4RT6-1-316SS	3/4RT6-1-NP	1 1/8	1 1/16	1 1/32	13/16
1/4	5/64 / 2mm	3/4RT6-2	3/4RT6-2-SS	3/4RT6-2-316SS	3/4RT6-2-NP	1 1/8	1 1/16	1 1/32	13/16
1/4	3/32	3/4RT6-2 1/2	3/4RT6-2 1/2-SS	3/4RT6-2 1/2-316SS	3/4RT6-2 1/2-NP	1 1/8	1 1/16	1 1/32	13/16
1/4	1/8	3/4RT6-3	3/4RT6-3-SS	3/4RT6-3-316SS	3/4RT6-3-NP	1 1/8	1 1/16	1 1/32	27/32

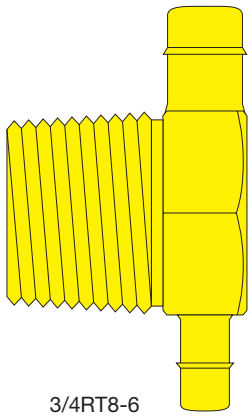
475 3/4 NPT Male Thread to Tube Reducing Tees (continued)

Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 31613	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/4	5/32 / 4mm	3/4RT6-3 1/2	3/4RT6-3 1/2-SS	3/4RT6-3 1/2-316SS	3/4RT6-3 1/2-NP	1 1/8	1 1/16	1 1/32	27/32
1/4	.170	3/4RT6-4	3/4RT6-4-SS	3/4RT6-4-316SS	3/4RT6-4-NP	1 1/8	1 1/16	1 1/32	7/8
1/4	3/16	3/4RT6-5	3/4RT6-5-SS	3/4RT6-5-316SS	3/4RT6-5-NP	1 1/8	1 1/16	1 1/32	29/32
1/4	7/32	3/4RT6-5 1/2	3/4RT6-5 1/2-SS	3/4RT6-5 1/2-316SS	3/4RT6-5 1/2-NP	1 1/8	1 1/16	1 1/32	29/32
1/4	6mm	3/4RT6-5 3/4	3/4RT6-5 3/4-SS	3/4RT6-5 3/4-316SS	3/4RT6-5 3/4-NP	1 1/8	1 1/16	1 5/32	1 1/32
5/16 / 8mm	1/16	3/4RT7-1	3/4RT7-1-SS	3/4RT7-1-316SS	3/4RT7-1-NP	1 1/4	1 1/16	1 5/32	13/16
5/16 / 8mm	5/64 / 2mm	3/4RT7-2	3/4RT7-2-SS	3/4RT7-2-316SS	3/4RT7-2-NP	1 1/4	1 1/16	1 5/32	13/16
5/16 / 8mm	3/32	3/4RT7-2 1/2	3/4RT7-2 1/2-SS	3/4RT7-2 1/2-316SS	3/4RT7-2 1/2-NP	1 1/4	1 1/16	1 5/32	13/16
5/16 / 8mm	1/8	3/4RT7-3	3/4RT7-3-SS	3/4RT7-3-316SS	3/4RT7-3-NP	1 1/4	1 1/16	1 5/32	27/32
5/16 / 8mm	5/32 / 4mm	3/4RT7-3 1/2	3/4RT7-3 1/2-SS	3/4RT7-3 1/2-316SS	3/4RT7-3 1/2-NP	1 1/4	1 1/16	1 5/32	27/32
5/16 / 8mm	.170	3/4RT7-4	3/4RT7-4-SS	3/4RT7-4-316SS	3/4RT7-4-NP	1 1/4	1 1/16	1 5/32	7/8
5/16 / 8mm	3/16	3/4RT7-5	3/4RT7-5-SS	3/4RT7-5-316SS	3/4RT7-5-NP	1 1/4	1 1/16	1 5/32	29/32
5/16 / 8mm	7/32	3/4RT7-5 1/2	3/4RT7-5 1/2-SS	3/4RT7-5 1/2-316SS	3/4RT7-5 1/2-NP	1 1/4	1 1/16	1 5/32	29/32
5/16 / 8mm	6mm	3/4RT7-5 3/4	3/4RT7-5 3/4-SS	3/4RT7-5 3/4-316SS	3/4RT7-5 3/4-NP	1 1/4	1 1/16	1 5/32	1 1/32
5/16 / 8mm	1/4	3/4RT7-6	3/4RT7-6-SS	3/4RT7-6-316SS	3/4RT7-6-NP	1 1/4	1 1/16	1 5/32	1 1/32
3/8	1/16	3/4RT8-1	3/4RT8-1-SS	3/4RT8-1-316SS	3/4RT8-1-NP	1 1/4	1 1/16	1 1/16	13/16
3/8	5/64 / 2mm	3/4RT8-2	3/4RT8-2-SS	3/4RT8-2-316SS	3/4RT8-2-NP	1 1/4	1 1/16	1 1/16	13/16
3/8	3/32	3/4RT8-2 1/2	3/4RT8-2 1/2-SS	3/4RT8-2 1/2-316SS	3/4RT8-2 1/2-NP	1 1/4	1 1/16	1 1/16	13/16
3/8	1/8	3/4RT8-3	3/4RT8-3-SS	3/4RT8-3-316SS	3/4RT8-3-NP	1 1/4	1 1/16	1 1/16	27/32
3/8	5/32 / 4mm	3/4RT8-3 1/2	3/4RT8-3 1/2-SS	3/4RT8-3 1/2-316SS	3/4RT8-3 1/2-NP	1 1/4	1 1/16	1 1/16	27/32
3/8	.170	3/4RT8-4	3/4RT8-4-SS	3/4RT8-4-316SS	3/4RT8-4-NP	1 1/4	1 1/16	1 1/16	7/8
3/8	3/16	3/4RT8-5	3/4RT8-5-SS	3/4RT8-5-316SS	3/4RT8-5-NP	1 1/4	1 1/16	1 1/16	29/32
3/8	7/32	3/4RT8-5 1/2	3/4RT8-5 1/2-SS	3/4RT8-5 1/2-316SS	3/4RT8-5 1/2-NP	1 1/4	1 1/16	1 1/16	29/32
3/8	6mm	3/4RT8-5 3/4	3/4RT8-5 3/4-SS	3/4RT8-5 3/4-316SS	3/4RT8-5 3/4-NP	1 1/4	1 1/16	1 1/16	1 1/32
3/8	1/4	3/4RT8-6	3/4RT8-6-SS	3/4RT8-6-316SS	3/4RT8-6-NP	1 1/4	1 1/16	1 1/16	1 1/32
3/8	5/16 / 8mm	3/4RT8-7	3/4RT8-7-SS	3/4RT8-7-316SS	3/4RT8-7-NP	1 1/4	1 1/16	1 1/16	1 5/32
1/2	1/16	3/4RT10-1	3/4RT10-1-SS	3/4RT10-1-316SS	3/4RT10-1-NP	1 7/16	1 1/16	1 9/32	13/16
1/2	5/64 / 2mm	3/4RT10-2	3/4RT10-2-SS	3/4RT10-2-316SS	3/4RT10-2-NP	1 7/16	1 1/16	1 9/32	13/16
1/2	3/32	3/4RT10-2 1/2	3/4RT10-2 1/2-SS	3/4RT10-2 1/2-316SS	3/4RT10-2 1/2-NP	1 7/16	1 1/16	1 9/32	13/16
1/2	1/8	3/4RT10-3	3/4RT10-3-SS	3/4RT10-3-316SS	3/4RT10-3-NP	1 7/16	1 1/16	1 9/32	27/32
1/2	5/32 / 4mm	3/4RT10-3 1/2	3/4RT10-3 1/2-SS	3/4RT10-3 1/2-316SS	3/4RT10-3 1/2-NP	1 7/16	1 1/16	1 9/32	27/32
1/2	.170	3/4RT10-4	3/4RT10-4-SS	3/4RT10-4-316SS	3/4RT10-4-NP	1 7/16	1 1/16	1 9/32	7/8
1/2	3/16	3/4RT10-5	3/4RT10-5-SS	3/4RT10-5-316SS	3/4RT10-5-NP	1 7/16	1 1/16	1 9/32	29/32
1/2	7/32	3/4RT10-5 1/2	3/4RT10-5 1/2-SS	3/4RT10-5 1/2-316SS	3/4RT10-5 1/2-NP	1 7/16	1 1/16	1 9/32	29/32
1/2	6mm	3/4RT10-5 3/4	3/4RT10-5 3/4-SS	3/4RT10-5 3/4-316SS	3/4RT10-5 3/4-NP	1 7/16	1 1/16	1 9/32	1 1/32
1/2	1/4	3/4RT10-6	3/4RT10-6-SS	3/4RT10-6-316SS	3/4RT10-6-NP	1 7/16	1 1/16	1 9/32	1 1/32
1/2	5/16 / 8mm	3/4RT10-7	3/4RT10-7-SS	3/4RT10-7-316SS	3/4RT10-7-NP	1 7/16	1 1/16	1 9/32	1 5/32
1/2	3/4	3/4RT10-8	3/4RT10-8-SS	3/4RT10-8-316SS	3/4RT10-8-NP	1 7/16	1 1/16	1 9/32	1 1/16

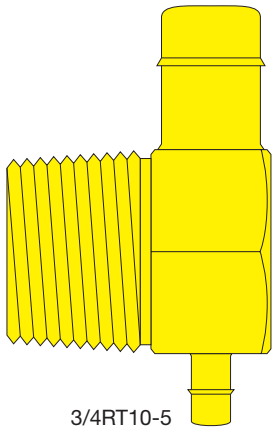




3/4RT6-4



3/4RT8-6



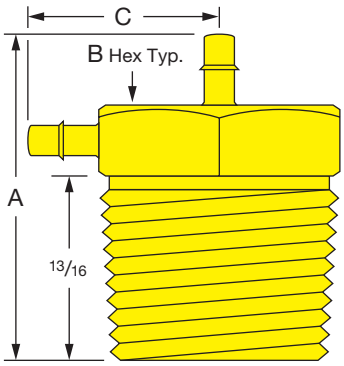
3/4RT10-5

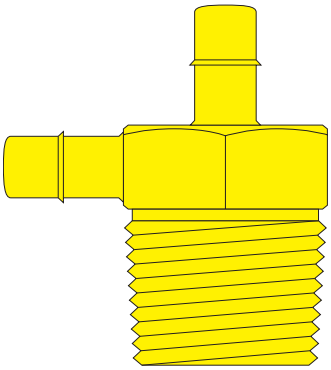
Note: *Images are rotated to fit in the space available; for visual representation only.*

Reducing Tees with #11 and #12 Branches also available! Consult factory for details!

Q

3/4 NPT Male Thread to Tube L-Tees 476





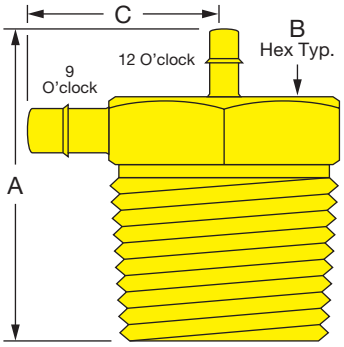
3/4LT7

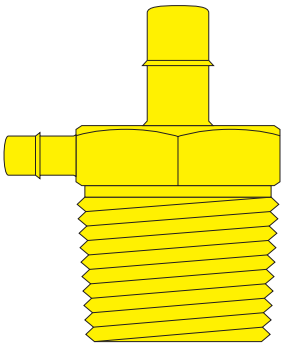
Note: *Images are for visual representation only; not intended for dimensional measurements. Dimensions may vary at time of manufacturing.*

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	3/4LT.031	3/4LT.031-SS	3/4LT.031-316SS	3/4LT.031-NP	1 9/32	1 1/16	11/16
.040 / 1mm	3/4LT.040	3/4LT.040-SS	3/4LT.040-316SS	3/4LT.040-NP	1 9/32	1 1/16	11/16
3/64	3/4LT.045	3/4LT.045-SS	3/4LT.045-316SS	3/4LT.045-NP	1 9/32	1 1/16	11/16
.050	3/4LT.050	3/4LT.050-SS	3/4LT.050-316SS	3/4LT.050-NP	1 9/32	1 1/16	11/16
1/16	3/4LT1	3/4LT1-SS	3/4LT1-316SS	3/4LT1-NP	1 11/32	1 1/16	13/16
5/64 / 2mm	3/4LT2	3/4LT2-SS	3/4LT2-316SS	3/4LT2-NP	1 11/32	1 1/16	13/16
3/32	3/4LT2 1/2	3/4LT2 1/2-SS	3/4LT2 1/2-316SS	3/4LT2 1/2-NP	1 11/32	1 1/16	13/16
1/8	3/4LT3	3/4LT3-SS	3/4LT3-316SS	3/4LT3-NP	1 5/16	1 1/16	27/32
5/32 / 4mm	3/4LT3 1/2	3/4LT3 1/2-SS	3/4LT3 1/2-316SS	3/4LT3 1/2-NP	1 5/16	1 1/16	27/32
.170	3/4LT4	3/4LT4-SS	3/4LT4-316SS	3/4LT4-NP	1 5/16	1 1/16	7/8
3/16	3/4LT5	3/4LT5-SS	3/4LT5-316SS	3/4LT5-NP	1 1/2	1 1/16	29/32
7/32	3/4LT5 1/2	3/4LT5 1/2-SS	3/4LT5 1/2-316SS	3/4LT5 1/2-NP	1 1/2	1 1/16	29/32
6mm	3/4LT5 3/4	3/4LT5 3/4-SS	3/4LT5 3/4-316SS	3/4LT5 3/4-NP	1 5/8	1 1/16	1 1/32
1/4	3/4LT6	3/4LT6-SS	3/4LT6-316SS	3/4LT6-NP	1 5/8	1 1/16	1 1/32
5/16 / 8mm	3/4LT7	3/4LT7-SS	3/4LT7-316SS	3/4LT7-NP	1 7/8	1 1/16	1 5/32
3/8	3/4LT8	3/4LT8-SS	3/4LT8-316SS	3/4LT8-NP	1 23/32	1 1/16	1 1/16
1/2	3/4LT10	3/4LT10-SS	3/4LT10-316SS	3/4LT10-NP	2 3/16	1 1/16	1 9/32
5/8	3/4LT11	3/4LT11-SS	3/4LT11-316SS	3/4LT11-NP	2 25/32	1 1/16	1 3/4
3/4	3/4LT12	3/4LT12-SS	3/4LT12-316SS	3/4LT12-NP	2 29/32	1 1/16	1 3/4

Q

3/4 NPT Male Thread to Tube Reducing L-Tees 477





3/4RLT5-7

Tube ID	Branches Branch Number	Dimensions (Reference) A Ref.	B Typ.	C Ref.
1/32	.031	1 9/32	1 1/16	11/16
.040 / 1mm	.040	1 9/32	1 1/16	11/16
3/64	.045	1 9/32	1 1/16	11/16
.050	.050	1 9/32	1 1/16	11/16
1/16	1	1 11/32	1 1/16	13/16
5/64 / 2mm	2	1 11/32	1 1/16	13/16
3/32	2 1/2	1 11/32	1 1/16	13/16
1/8	3	1 5/16	1 1/16	27/32
5/32 / 4mm	3 1/2	1 5/16	1 1/16	27/32
.170	4	1 5/16	1 1/16	7/8

Tube ID	Branches Branch Number	Dimensions (Reference) A Ref.	B Typ.	C Ref.
3/16	5	1 1/2	1 1/16	29/32
7/32	5 1/2	1 1/2	1 1/16	29/32
6mm	5 3/4	1 5/8	1 1/16	1 1/32
1/4	6	1 5/8	1 1/16	1 1/32
5/16 / 8mm	7	1 7/8	1 1/16	1 5/32
3/8	8	1 23/32	1 1/16	1 1/16
1/2	10	2.00	1 1/16	1 9/32
5/8	11	2.48	1 1/16	1 3/4
3/4	12	2.48	1 1/16	1 3/4

Note: *Dimensions may vary at time of manufacturing. Consult factory to confirmation of dimensions!*

Part Numbers for 3/4 Male Thread to Tube Reducing L-Tees:

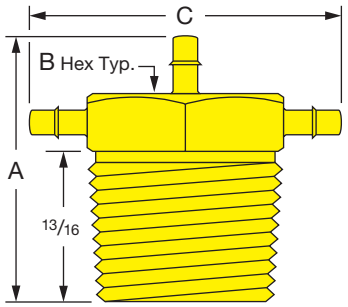
Thread Size → **3/4** **RLT** **#** - **#** ← 12 O'clock Branch #

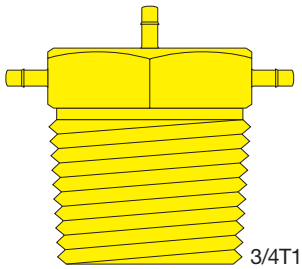
Fitting Series ↑ ↑ 9 O'clock Branch #

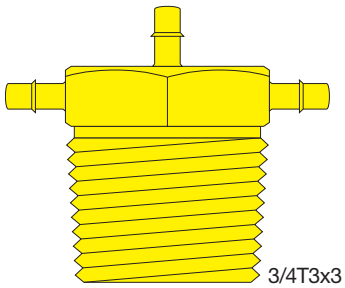
Unless otherwise specified, parts will be Brass. To order other materials, use the following codes:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

478 — 3/4 NPT Male Thread to Tube Tees x 3

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	3/4T.031x3	3/4T.031x3-SS	3/4T.031x3-316SS	3/4T.031x3-NP	1 9/32	1 1/16	1 3/8
.040 / 1mm	3/4T.040x3	3/4T.040x3-SS	3/4T.040x3-316SS	3/4T.040x3-NP	1 9/32	1 1/16	1 3/8
3/64	3/4T.045x3	3/4T.045x3-SS	3/4T.045x3-316SS	3/4T.045x3-NP	1 9/32	1 1/16	1 3/8
.050	3/4T.050x3	3/4T.050x3-SS	3/4T.050x3-316SS	3/4T.050x3-NP	1 9/32	1 1/16	1 3/8
1/16	3/4T1x3	3/4T1x3-SS	3/4T1x3-316SS	3/4T1x3-NP	1 11/32	1 1/16	1 5/8
5/64 / 2mm	3/4T2x3	3/4T2x3-SS	3/4T2x3-316SS	3/4T2x3-NP	1 11/32	1 1/16	1 5/8
3/32	3/4T2 1/2x3	3/4T2 1/2x3-SS	3/4T2 1/2x3-316SS	3/4T2 1/2x3-NP	1 11/32	1 1/16	1 5/8
1/8	3/4T3x3	3/4T3x3-SS	3/4T3x3-316SS	3/4T3x3-NP	1 5/16	1 1/16	1 11/16
5/32 / 4mm	3/4T3 1/2x3	3/4T3 1/2x3-SS	3/4T3 1/2x3-316SS	3/4T3 1/2x3-NP	1 5/16	1 1/16	1 11/16
.170	3/4T4x3	3/4T4x3-SS	3/4T4x3-316SS	3/4T4x3-NP	1 5/16	1 1/16	1 3/4
3/16	3/4T5x3	3/4T5x3-SS	3/4T5x3-316SS	3/4T5x3-NP	1 1/2	1 1/16	1 13/16
7/32	3/4T5 1/2x3	3/4T5 1/2x3-SS	3/4T5 1/2x3-316SS	3/4T5 1/2x3-NP	1 1/2	1 1/16	1 13/16
6mm	3/4T5 3/4x3	3/4T5 3/4x3-SS	3/4T5 3/4x3-316SS	3/4T5 3/4x3-NP	1 5/8	1 1/16	2 1/16
1/4	3/4T6x3	3/4T6x3-SS	3/4T6x3-316SS	3/4T6x3-NP	1 5/8	1 1/16	2 1/16
5/16 / 8mm	3/4T7x3	3/4T7x3-SS	3/4T7x3-316SS	3/4T7x3-NP	1 7/8	1 1/16	2 5/16
3/8	3/4T8x3	3/4T8x3-SS	3/4T8x3-316SS	3/4T8x3-NP	1 23/32	1 1/16	2 1/8
1/2	3/4T10x3	3/4T10x3-SS	3/4T10x3-316SS	3/4T10x3-NP	2.00	1 1/16	2 9/16
5/8	3/4T11x3	3/4T11x3-SS	3/4T11x3-316SS	3/4T11x3-NP	2.48	1 1/16	3 1/2
3/4	3/4T12x3	3/4T12x3-SS	3/4T12x3-316SS	3/4T12x3-NP	2.48	1 1/16	3 1/2




3/4T1x3

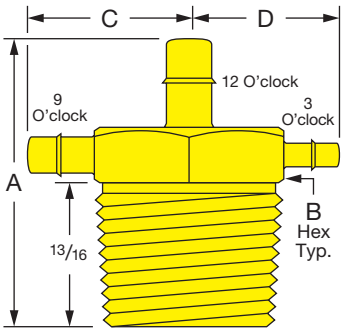

3/4T3x3

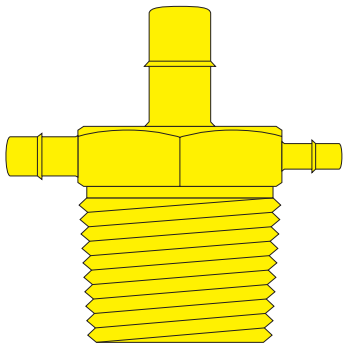
479 — 3/4 NPT Male Thread to Tube Reducing Tees x 3

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	1 9/32	1 1/16	11/16	11/16
.040 / 1mm	.040	1 9/32	1 1/16	11/16	11/16
3/64	.045	1 9/32	1 1/16	11/16	11/16
.050	.050	1 9/32	1 1/16	11/16	11/16
1/16	1	1 11/32	1 1/16	13/16	13/16
5/64 / 2mm	2	1 11/32	1 1/16	13/16	13/16
3/32	2 1/2	1 11/32	1 1/16	13/16	13/16
1/8	3	1 5/16	1 1/16	27/32	27/32
5/32 / 4mm	3 1/2	1 5/16	1 1/16	27/32	27/32
.170	4	1 5/16	1 1/16	7/8	7/8

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
3/16	5	1 1/2	1 1/16	29/32	29/32
7/32	5 1/2	1 1/2	1 1/16	29/32	29/32
6mm	5 3/4	1 5/8	1 1/16	1 1/32	1 1/32
1/4	6	1 5/8	1 1/16	1 1/32	1 1/32
5/16 / 8mm	7	1 7/8	1 1/16	1 5/32	1 5/32
3/8	8	1 23/32	1 1/16	1 1/16	1 1/16
1/2	10	2.00	1 1/16	1 9/32	1 9/32
5/8	11	2.48	1 1/16	1 3/4	1 3/4
3/4	12	2.48	1 1/16	1 3/4	1 3/4

Note: *Dimensions may vary at time of manufacturing. Consult factory to confirmation of dimensions!*




3/4RLT5-7-3

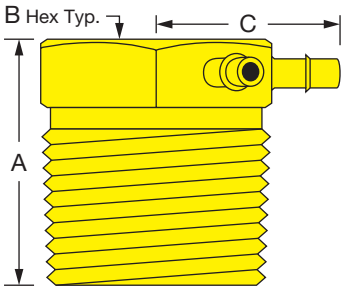
Note: *Images are for visual representation only; not intended for dimensional measurements.*

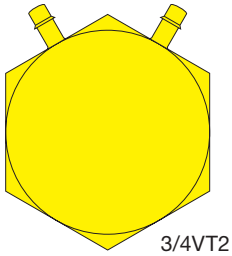
Part Numbers for 3/4 NPT Male Thread to Tube Reducing Tees x 3:

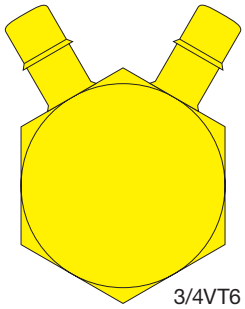
Thread Size → **3/4** — Fitting Series → **RT** — **#** 9 O'clock Branch # **-** **#** 12 O'clock Branch # **-** **#** ← 3 O'clock Branch #

Unless otherwise specified, parts will be Brass. To order other materials, use the following codes:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

3/4 NPT Male Thread to Tube V-Tees 480



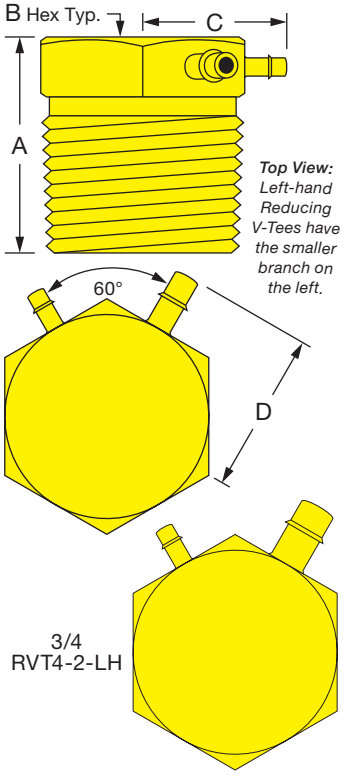

3/4VT2


3/4VT6

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	3/4VT.031	3/4VT.031-SS	3/4VT.031-316SS	3/4VT.031-NP	1 1/8	1 1/16	11/16
.040 / 1mm	3/4VT.040	3/4VT.040-SS	3/4VT.040-316SS	3/4VT.040-NP	1 1/8	1 1/16	11/16
3/64	3/4VT.045	3/4VT.045-SS	3/4VT.045-316SS	3/4VT.045-NP	1 1/8	1 1/16	11/16
.050	3/4VT.050	3/4VT.050-SS	3/4VT.050-316SS	3/4VT.050-NP	1 1/8	1 1/16	11/16
1/16	3/4VT1	3/4VT1-SS	3/4VT1-316SS	3/4VT1-NP	1 1/8	1 1/16	13/16
5/64 / 2mm	3/4VT2	3/4VT2-SS	3/4VT2-316SS	3/4VT2-NP	1 1/8	1 1/16	13/16
3/32	3/4VT2 1/2	3/4VT2 1/2-SS	3/4VT2 1/2-316SS	3/4VT2 1/2-NP	1 1/8	1 1/16	13/16
1/8	3/4VT3	3/4VT3-SS	3/4VT3-316SS	3/4VT3-NP	1 1/8	1 1/16	27/32
5/32 / 4mm	3/4VT3 1/2	3/4VT3 1/2-SS	3/4VT3 1/2-316SS	3/4VT3 1/2-NP	1 1/8	1 1/16	27/32
.170	3/4VT4	3/4VT4-SS	3/4VT4-316SS	3/4VT4-NP	1 1/8	1 1/16	7/8
3/16	3/4VT5	3/4VT5-SS	3/4VT5-316SS	3/4VT5-NP	1 1/8	1 1/16	29/32
7/32	3/4VT5 1/2	3/4VT5 1/2-SS	3/4VT5 1/2-316SS	3/4VT5 1/2-NP	1 1/8	1 1/16	29/32
6mm	3/4VT5 3/4	3/4VT5 3/4-SS	3/4VT5 3/4-316SS	3/4VT5 3/4-NP	1 1/8	1 1/16	1 1/32
1/4	3/4VT6	3/4VT6-SS	3/4VT6-316SS	3/4VT6-NP	1 1/8	1 1/16	1 1/32
5/16 / 8mm	3/4VT7	3/4VT7-SS	3/4VT7-316SS	3/4VT7-NP	1 1/4	1 1/16	1 5/32
3/8	3/4VT8	3/4VT8-SS	3/4VT8-316SS	3/4VT8-NP	1 1/4	1 1/16	1 1/16
1/2	3/4VT10	3/4VT10-SS	3/4VT10-316SS	3/4VT10-NP	1 7/16	1 1/16	1 9/32
5/8	3/4VT11	3/4VT11-SS	3/4VT11-316SS	3/4VT11-NP	1 9/16	1 1/16	1 3/4
3/4	3/4VT12	3/4VT12-SS	3/4VT12-316SS	3/4VT12-NP	1 11/16	1 1/16	1 3/4

Q

3/4 NPT Male Thread to Tube Reducing Left-Hand V-Tees 481



Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	1 1/8	1 1/16	11/16	11/16
.040 / 1mm	.040	1 1/8	1 1/16	11/16	11/16
3/64	.045	1 1/8	1 1/16	11/16	11/16
.050	.050	1 1/8	1 1/16	11/16	11/16
1/16	1	1 1/8	1 1/16	13/16	13/16
5/64 / 2mm	2	1 1/8	1 1/16	13/16	13/16
3/32	2 1/2	1 1/8	1 1/16	13/16	13/16
1/8	3	1 1/8	1 1/16	27/32	27/32
5/32 / 4mm	3 1/2	1 1/8	1 1/16	27/32	27/32
.170	4	1 1/8	1 1/16	7/8	7/8

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
3/16	5	1 1/8	1 1/16	29/32	29/32
7/32	5 1/2	1 1/8	1 1/16	29/32	29/32
6mm	5 3/4	1 1/8	1 1/16	1 1/32	1 1/32
1/4	6	1 1/8	1 1/16	1 1/32	1 1/32
5/16 / 8mm	7	1 1/4	1 1/16	1 5/32	1 5/32
3/8	8	1 1/4	1 1/16	1 1/16	1 1/16
1/2	10	1 7/16	1 1/16	1 9/32	1 9/32
5/8	11	1 9/16	1 1/16	1 3/4	1 3/4
3/4	12	1 11/16	1 1/16	1 3/4	1 3/4

Note: *Hex and height dimensions supplied to accommodate larger branch size. Dimensions may vary at time of manufacturing.*

Part Numbers for 3/4 NPT Male Thread to Tube Left-Hand Reducing V-Tees:

Thread Size → 3/4 (Fitting Series) RVT # (Larger Branch #) - # (Smaller Branch #) LH ← Left-Hand Indicator

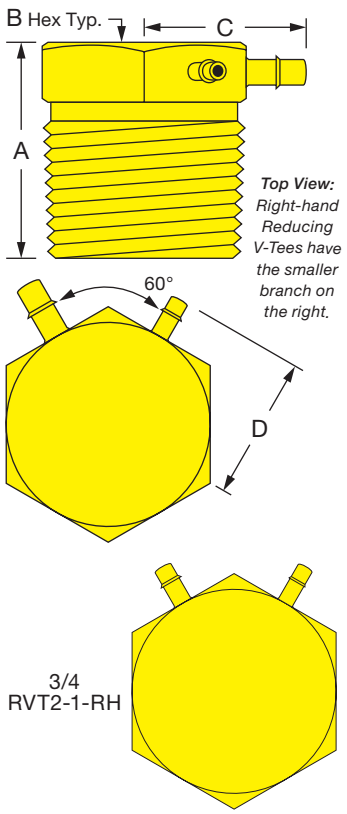
Unless otherwise specified, parts will be Brass. To order other materials, use the following codes:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

482 3/4 NPT Male Thread to Tube Reducing Right-Hand V-Tees

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	1 1/8	1 1/16	11/16	11/16
.040 / 1mm	.040	1 1/8	1 1/16	11/16	11/16
3/64	.045	1 1/8	1 1/16	11/16	11/16
.050	.050	1 1/8	1 1/16	11/16	11/16
1/16	1	1 1/8	1 1/16	13/16	13/16
5/64 / 2mm	2	1 1/8	1 1/16	13/16	13/16
3/32	2 1/2	1 1/8	1 1/16	13/16	13/16
1/8	3	1 1/8	1 1/16	27/32	27/32
5/32 / 4mm	3 1/2	1 1/8	1 1/16	27/32	27/32
.170	4	1 1/8	1 1/16	7/8	7/8

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
3/16	5	1 1/8	1 1/16	29/32	29/32
7/32	5 1/2	1 1/8	1 1/16	29/32	29/32
6mm	5 3/4	1 1/8	1 1/16	1 1/32	1 1/32
1/4	6	1 1/8	1 1/16	1 1/32	1 1/32
5/16 / 8mm	7	1 1/4	1 1/16	1 5/32	1 5/32
3/8	8	1 1/4	1 1/16	1 1/16	1 1/16
1/2	10	1 7/16	1 1/16	1 9/32	1 9/32
5/8	11	1 9/16	1 1/16	1 3/4	1 3/4
3/4	12	1 11/16	1 1/16	1 3/4	1 3/4

Note: *Hex and height dimensions supplied to accommodate larger branch size. Dimensions may vary at time of manufacturing.*



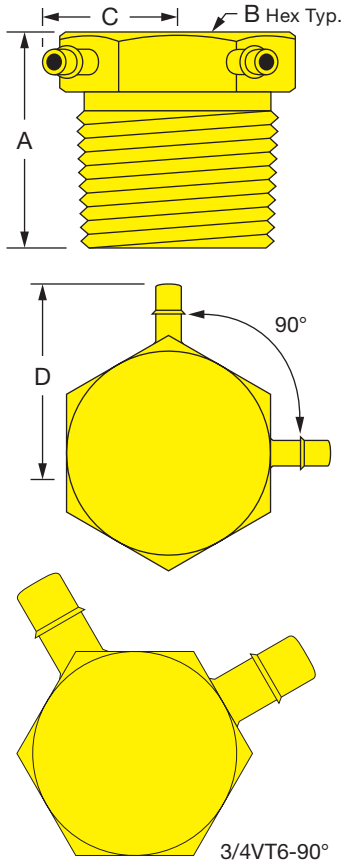
Part Numbers for 3/4 NPT Male Thread to Tube Right-Hand Reducing V-Tees:

Thread Size → 3/4 (Fitting Series) RVT # - (Larger Branch #) # - (Smaller Branch #) RH ← Right-Hand Indicator

Unless otherwise specified, parts will be Brass. To order other materials, use the following codes:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

483 3/4 NPT Male Thread to Tube 90° V-Tees

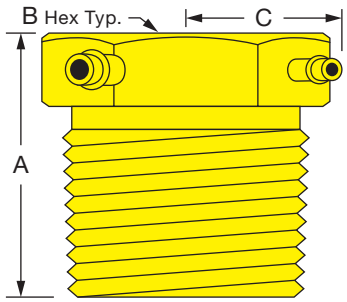
Tube ID	Part Numbers				Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/16	3/4VT1-90°	3/4VT1-90°-SS	3/4VT1-90°-316SS	3/4VT1-90°-NP	1 1/8	1 1/16	Consult Factory	13/16
5/64 / 2mm	3/4VT2-90°	3/4VT2-90°-SS	3/4VT2-90°-316SS	3/4VT2-90°-NP	1 1/8	1 1/16		13/16
3/32	3/4VT2 1/2-90°	3/4VT2 1/2-90°-SS	3/4VT2 1/2-90°-316SS	3/4VT2 1/2-90°-NP	1 1/8	1 1/16		13/16
1/8	3/4VT3-90°	3/4VT3-90°-SS	3/4VT3-90°-316SS	3/4VT3-90°-NP	1 1/8	1 1/16		27/32
5/32 / 4mm	3/4VT3 1/2-90°	3/4VT3 1/2-90°-SS	3/4VT3 1/2-90°-316SS	3/4VT3 1/2-90°-NP	1 1/8	1 1/16		27/32
.170	3/4VT4-90°	3/4VT4-90°-SS	3/4VT4-90°-316SS	3/4VT4-90°-NP	1 1/8	1 1/16		7/8
3/16	3/4VT5-90°	3/4VT5-90°-SS	3/4VT5-90°-316SS	3/4VT5-90°-NP	1 1/8	1 1/16		29/32
7/32	3/4VT5 1/2-90°	3/4VT5 1/2-90°-SS	3/4VT5 1/2-90°-316SS	3/4VT5 1/2-90°-NP	1 1/8	1 1/16		29/32
6mm	3/4VT5 3/4-90°	3/4VT5 3/4-90°-SS	3/4VT5 3/4-90°-316SS	3/4VT5 3/4-90°-NP	1 1/8	1 1/16		1 1/32
1/4	3/4VT6-90°	3/4VT6-90°-SS	3/4VT6-90°-316SS	3/4VT6-90°-NP	1 1/8	1 1/16		1 1/32
5/16 / 8mm	3/4VT7-90°	3/4VT7-90°-SS	3/4VT7-90°-316SS	3/4VT7-90°-NP	1 1/4	1 1/16		1 5/32
3/8	3/4VT8-90°	3/4VT8-90°-SS	3/4VT8-90°-316SS	3/4VT8-90°-NP	1 1/4	1 1/16		1 1/16
1/2	3/4VT10-90°	3/4VT10-90°-SS	3/4VT10-90°-316SS	3/4VT10-90°-NP	1 7/16	1 1/16		1 9/32
5/8	3/4VT11-90°	3/4VT11-90°-SS	3/4VT11-90°-316SS	3/4VT11-90°-NP	1 9/16	1 1/16		1 3/4
3/4	3/4VT12-90°	3/4VT12-90°-SS	3/4VT12-90°-316SS	3/4VT12-90°-NP	1 11/16	1 1/16		1 3/4

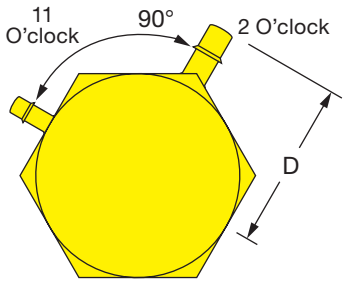


Note: For systems that do notallow the degree symbol (°), substitute 'DEG' in the part number.

Smaller branches sizes available! Consult factory for details!

3/4 NPT Male Thread to Tube Reducing Left-Hand 90° V-Tees 484





Top View:
Left-hand Reducing 90° V-Tees have the hex flat branch on the left, at 11 o'clock. The hex point branch is at 2 o'clock.

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/16	1	1 1/8	1 1/16	13/16	Consult Factory
5/64 / 2mm	2	1 1/8	1 1/16	13/16	
3/32	2 1/2	1 1/8	1 1/16	13/16	
1/8	3	1 1/8	1 1/16	27/32	
5/32 / 4mm	3 1/2	1 1/8	1 1/16	27/32	
.170	4	1 1/8	1 1/16	7/8	
3/16	5	1 1/8	1 1/16	29/32	
7/32	5 1/2	1 1/8	1 1/16	29/32	

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
6mm	5 3/4	1 1/8	1 1/16	1 1/32	Consult Factory
1/4	6	1 1/8	1 1/16	1 1/32	
5/16 / 8mm	7	1 1/4	1 1/16	1 5/32	
3/8	8	1 1/4	1 1/16	1 1/16	
1/2	10	1 7/16	1 1/16	1 9/32	
5/8	11	1 9/16	1 1/16	1 3/4	
3/4	12	1 11/16	1 1/16	1 3/4	

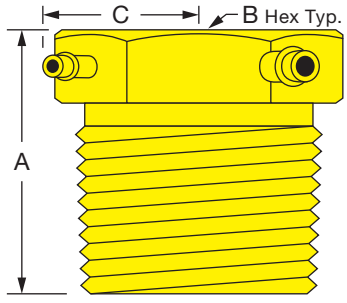
Note: *For systems that do not allow the degree symbol (°) to be used, substitute 'DEG' in the part number. Smaller branches available!*

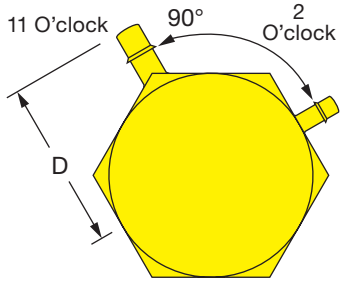
Part Numbers for 3/4 NPT Male Thread to Tube Reducing Left-Hand 90° V-Tees:

Thread Size → 3/4 | Fitting Series: RVT | 11 O'clock Branch: # | - | 2 O'clock Branch: # | - | 90° Indicator: 90° | - | Left-Hand Indicator: LH

Q

3/4 NPT Male Thread to Tube Reducing Right-Hand 90° V-Tees 485





Top View: *Right-hand Reducing 90° V-Tees have the hex flat branch on the right, at 11 o'clock. The hex point branch is at 2 o'clock.*

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/16	1	1 1/8	1 1/16	13/16	Consult Factory
5/64 / 2mm	2	1 1/8	1 1/16	13/16	
3/32	2 1/2	1 1/8	1 1/16	13/16	
1/8	3	1 1/8	1 1/16	27/32	
5/32 / 4mm	3 1/2	1 1/8	1 1/16	27/32	
.170	4	1 1/8	1 1/16	7/8	
3/16	5	1 1/8	1 1/16	29/32	
7/32	5 1/2	1 1/8	1 1/16	29/32	

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
6mm	5 3/4	1 1/8	1 1/16	1 1/32	Consult Factory
1/4	6	1 1/8	1 1/16	1 1/32	
5/16 / 8mm	7	1 1/4	1 1/16	1 5/32	
3/8	8	1 1/4	1 1/16	1 1/16	
1/2	10	1 7/16	1 1/16	1 9/32	
5/8	11	1 9/16	1 1/16	1 3/4	
3/4	12	1 11/16	1 1/16	1 3/4	

Note: *For systems that do not allow the degree symbol (°) to be used, substitute 'DEG' in the part number. Smaller branches available!*

Part Numbers for 3/4 NPT Male Thread to Tube Reducing Right-Hand 90° V-Tees:

Thread Size → 3/4 | Fitting Series: RVT | 11 O'clock Branch: # | - | 2 O'clock Branch: # | - | 90° Indicator: 90° | - | Right-Hand Indicator: RH

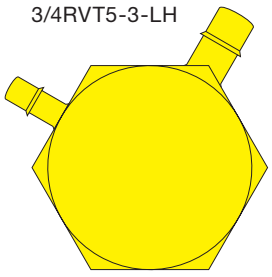
Unless otherwise specified, parts will be Brass. For other materials, add the following codes:

-SS =
Stainless Steel 303

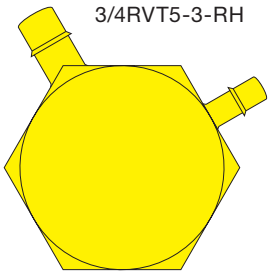
-316SS =
StainlessSteel 316

-NP =
Electroless Nickel Plate

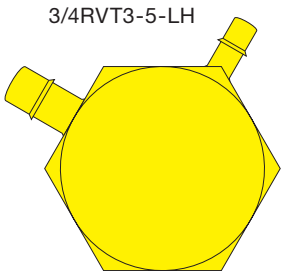
3/4RVT5-3-LH



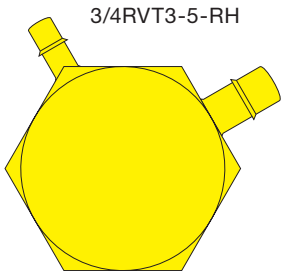
3/4RVT5-3-RH



3/4RVT3-5-LH



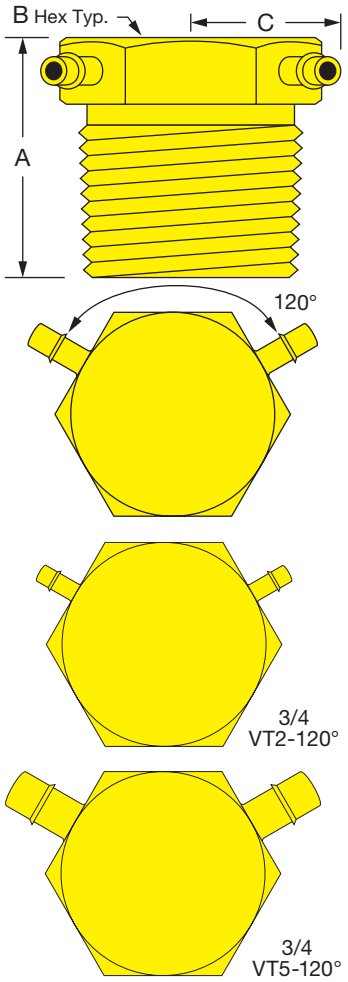
3/4RVT3-5-RH



486 — 3/4 NPT Male Thread to Tube 120° V-Tees

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	3/4VT.031-120°	3/4VT.031-120°-SS	3/4VT.031-120°-316SS	3/4VT.031-120°-NP	1 1/8	1 1/16	11/16
.040 / 1mm	3/4VT.040-120°	3/4VT.040-120°-SS	3/4VT.040-120°-316SS	3/4VT.040-120°-NP	1 1/8	1 1/16	11/16
3/64	3/4VT.045-120°	3/4VT.045-120°-SS	3/4VT.045-120°-316SS	3/4VT.045-120°-NP	1 1/8	1 1/16	11/16
.050	3/4VT.050-120°	3/4VT.050-120°-SS	3/4VT.050-120°-316SS	3/4VT.050-120°-NP	1 1/8	1 1/16	11/16
1/16	3/4VT1-120°	3/4VT1-120°-SS	3/4VT1-120°-316SS	3/4VT1-120°-NP	1 1/8	1 1/16	13/16
5/64 / 2mm	3/4VT2-120°	3/4VT2-120°-SS	3/4VT2-120°-316SS	3/4VT2-120°-NP	1 1/8	1 1/16	13/16
3/32	3/4VT2 1/2-120°	3/4VT2 1/2-120°-SS	3/4VT2 1/2-120°-316SS	3/4VT2 1/2-120°-NP	1 1/8	1 1/16	13/16
1/8	3/4VT3-120°	3/4VT3-120°-SS	3/4VT3-120°-316SS	3/4VT3-120°-NP	1 1/8	1 1/16	27/32
5/32 / 4mm	3/4VT3 1/2-120°	3/4VT3 1/2-120°-SS	3/4VT3 1/2-120°-316SS	3/4VT3 1/2-120°-NP	1 1/8	1 1/16	27/32
.170	3/4VT4-120°	3/4VT4-120°-SS	3/4VT4-120°-316SS	3/4VT4-120°-NP	1 1/8	1 1/16	7/8
3/16	3/4VT5-120°	3/4VT5-120°-SS	3/4VT5-120°-316SS	3/4VT5-120°-NP	1 1/8	1 1/16	29/32
7/32	3/4VT5 1/2-120°	3/4VT5 1/2-120°-SS	3/4VT5 1/2-120°-316SS	3/4VT5 1/2-120°-NP	1 1/8	1 1/16	29/32
6mm	3/4VT5 3/4-120°	3/4VT5 3/4-120°-SS	3/4VT5 3/4-120°-316SS	3/4VT5 3/4-120°-NP	1 1/8	1 1/16	1 1/32
1/4	3/4VT6-120°	3/4VT6-120°-SS	3/4VT6-120°-316SS	3/4VT6-120°-NP	1 1/8	1 1/16	1 1/32
5/16 / 8mm	3/4VT7-120°	3/4VT7-120°-SS	3/4VT7-120°-316SS	3/4VT7-120°-NP	1 1/4	1 1/16	1 5/32
3/8	3/4VT8-120°	3/4VT8-120°-SS	3/4VT8-120°-316SS	3/4VT8-120°-NP	1 1/4	1 1/16	1 1/16
1/2	3/4VT10-120°	3/4VT10-120°-SS	3/4VT10-120°-316SS	3/4VT10-120°-NP	1 7/16	1 1/16	1 9/32
5/8	3/4VT11-120°	3/4VT11-120°-SS	3/4VT11-120°-316SS	3/4VT11-120°-NP	1 9/16	1 1/16	1 3/4
3/4	3/4VT12-120°	3/4VT12-120°-SS	3/4VT12-120°-316SS	3/4VT12-120°-NP	1 11/16	1 1/16	1 3/4

Note: *For systems that do not allow the degree symbol (°) to be used, substitute it with 'DEG' in the part number.*

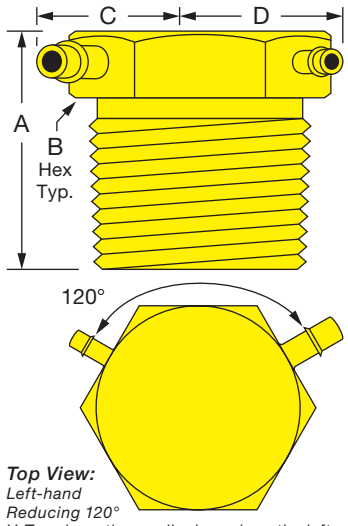


487 — 3/4 NPT Male Thread to Tube Reducing Left-Hand 120° V-Tees

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	1 1/8	1 1/16	11/16	11/16
.040 / 1mm	.040	1 1/8	1 1/16	11/16	11/16
3/64	.045	1 1/8	1 1/16	11/16	11/16
.050	.050	1 1/8	1 1/16	11/16	11/16
1/16	1	1 1/8	1 1/16	13/16	13/16
5/64 / 2mm	2	1 1/8	1 1/16	13/16	13/16
3/32	2 1/2	1 1/8	1 1/16	13/16	13/16
1/8	3	1 1/8	1 1/16	27/32	27/32
5/32 / 4mm	3 1/2	1 1/8	1 1/16	27/32	27/32
.170	4	1 1/8	1 1/16	7/8	7/8

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
3/16	5	1 1/8	1 1/16	29/32	29/32
7/32	5 1/2	1 1/8	1 1/16	29/32	29/32
6mm	5 3/4	1 1/8	1 1/16	1 1/32	1 1/32
1/4	6	1 1/8	1 1/16	1 1/32	1 1/32
5/16 / 8mm	7	1 1/4	1 1/16	1 5/32	1 5/32
3/8	8	1 1/4	1 1/16	1 1/16	1 1/16
1/2	10	1 7/16	1 1/16	1 9/32	1 9/32
5/8	11	1 9/16	1 1/16	1 3/4	1 3/4
3/4	12	1 11/16	1 1/16	1 3/4	1 3/4

Material options listed on previous page!



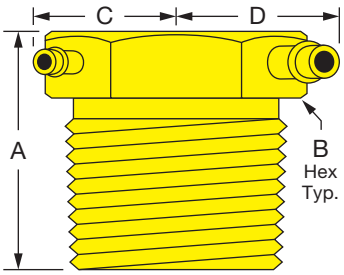
Top View: *Left-hand Reducing 120° V-Tees have the smaller branch on the left.*

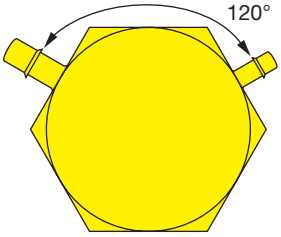
Part Numbers for 3/4 NPT Male Thread to Tube Reducing Left-Hand 120° V-Tees:

Thread Size → **3/4** **RVT** **#** - **#** - **120°** - **LH** ← Left-Hand Indicator

Fitting Series ↑ | Larger Branch # ↑ | Smaller Branch # ↑ | 120° Indicator ↑

3/4 NPT Male Thread to Tube Reducing Right-Hand 120° V-Tees 488





Top View: *Right-hand Reducing 120° V-Tees have the smaller branch on the right.*

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	1 1/8	1 1/16	11/16	11/16
.040 / 1mm	.040	1 1/8	1 1/16	11/16	11/16
3/64	.045	1 1/8	1 1/16	11/16	11/16
.050	.050	1 1/8	1 1/16	11/16	11/16
1/16	1	1 1/8	1 1/16	13/16	13/16
5/64 / 2mm	2	1 1/8	1 1/16	13/16	13/16
3/32	2 1/2	1 1/8	1 1/16	13/16	13/16
1/8	3	1 1/8	1 1/16	27/32	27/32
5/32 / 4mm	3 1/2	1 1/8	1 1/16	27/32	27/32
.170	4	1 1/8	1 1/16	7/8	7/8

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
3/16	5	1 1/8	1 1/16	29/32	29/32
7/32	5 1/2	1 1/8	1 1/16	29/32	29/32
6mm	5 3/4	1 1/8	1 1/16	1 1/32	1 1/32
1/4	6	1 1/8	1 1/16	1 1/32	1 1/32
5/16 / 8mm	7	1 1/4	1 1/16	1 5/32	1 5/32
3/8	8	1 1/4	1 1/16	1 1/16	1 1/16
1/2	10	1 7/16	1 1/16	1 9/32	1 9/32
5/8	11	1 9/16	1 1/16	1 3/4	1 3/4
3/4	12	1 11/16	1 1/16	1 3/4	1 3/4

Material options listed on next page!

Note: *For systems that do not allow the degree symbol (°) to be used, substitute it with 'DEG' in the part number.*

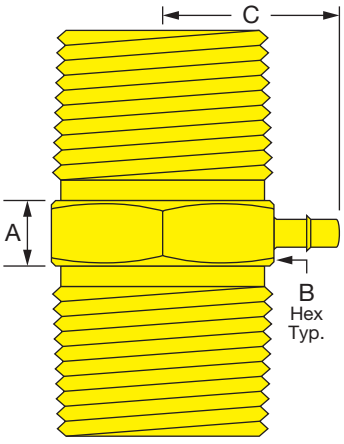
Part Numbers for 3/4 NPT Male Thread to Tube Reducing Right-Hand 120° V-Tees:

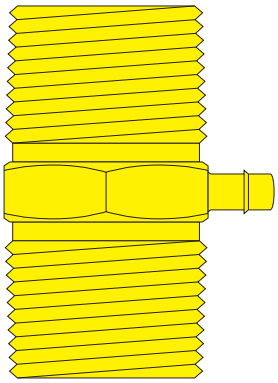
Thread Size → **3/4** **RVT** **#** - **#** - **120°** - **RH** ← Right-Hand Indicator

Fitting Series ↑ | Larger Branch # ↑ | Smaller Branch # ↑ | 120° Indicator ↑

Q

3/4 NPT Male Thread Hex Nipples with Tube Branches: Tees 489





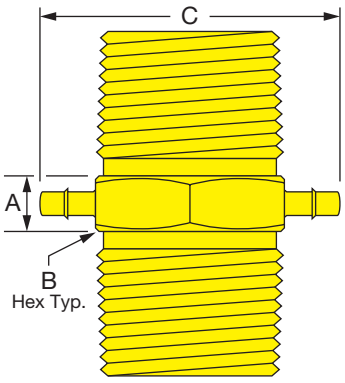
3/4HN-T4

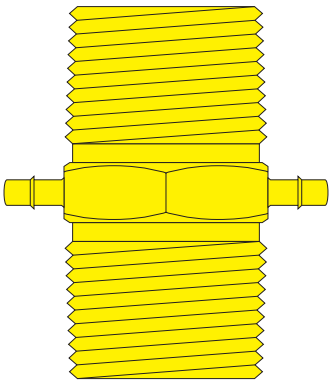
Note: *Images are for visual representation only. Dimensions may vary at time of manufacturing. Consult factory for details.*

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	3/4HN-T.031	3/4HN-T.031-SS	3/4HN-T.031-316SS	3/4HN-T.031-NP	5/16	1 1/16	11/16
.040 / 1mm	3/4HN-T.040	3/4HN-T.040-SS	3/4HN-T.040-316SS	3/4HN-T.040-NP	5/16	1 1/16	11/16
3/64	3/4HN-T.045	3/4HN-T.045-SS	3/4HN-T.045-316SS	3/4HN-T.045-NP	5/16	1 1/16	11/16
.050	3/4HN-T.050	3/4HN-T.050-SS	3/4HN-T.050-316SS	3/4HN-T.050-NP	5/16	1 1/16	11/16
1/16	3/4HN-T1	3/4HN-T1-SS	3/4HN-T1-316SS	3/4HN-T1-NP	5/16	1 1/16	13/16
5/64 / 2mm	3/4HN-T2	3/4HN-T2-SS	3/4HN-T2-316SS	3/4HN-T2-NP	5/16	1 1/16	13/16
3/32	3/4HN-T2 1/2	3/4HN-T2 1/2-SS	3/4HN-T2 1/2-316SS	3/4HN-T2 1/2-NP	5/16	1 1/16	13/16
1/8	3/4HN-T3	3/4HN-T3-SS	3/4HN-T3-316SS	3/4HN-T3-NP	5/16	1 1/16	27/32
5/32 / 4mm	3/4HN-T3 1/2	3/4HN-T3 1/2-SS	3/4HN-T3 1/2-316SS	3/4HN-T3 1/2-NP	5/16	1 1/16	27/32
.170	3/4HN-T4	3/4HN-T4-SS	3/4HN-T4-316SS	3/4HN-T4-NP	5/16	1 1/16	7/8
3/16	3/4HN-T5	3/4HN-T5-SS	3/4HN-T5-316SS	3/4HN-T5-NP	5/16	1 1/16	29/32
7/32	3/4HN-T5 1/2	3/4HN-T5 1/2-SS	3/4HN-T5 1/2-316SS	3/4HN-T5 1/2-NP	5/16	1 1/16	29/32
6mm	3/4HN-T5 3/4	3/4HN-T5 3/4-SS	3/4HN-T5 3/4-316SS	3/4HN-T5 3/4-NP	5/16	1 1/16	1 1/32
1/4	3/4HN-T6	3/4HN-T6-SS	3/4HN-T6-316SS	3/4HN-T6-NP	5/16	1 1/16	1 1/32
5/16 / 8mm	3/4HN-T7	3/4HN-T7-SS	3/4HN-T7-316SS	3/4HN-T7-NP	7/16	1 1/16	1 5/32
3/8	3/4HN-T8	3/4HN-T8-SS	3/4HN-T8-316SS	3/4HN-T8-NP	7/16	1 1/16	1 1/16
1/2	3/4HN-T10	3/4HN-T10-SS	3/4HN-T10-316SS	3/4HN-T10-NP	5/8	1 1/16	1 9/32
5/8	3/4HN-T11	3/4HN-T11-SS	3/4HN-T11-316SS	3/4HN-T11-NP	3/4	1 1/16	1 3/4
3/4	3/4HN-T12	3/4HN-T12-SS	3/4HN-T12-316SS	3/4HN-T12-NP	1	1 1/16	1 3/4

490 3/4 NPT Male Thread Hex Nipples with Tube Branches: Crosses

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	3/4HN-X.031	3/4HN-X.031-SS	3/4HN-X.031-316SS	3/4HN-X.031-NP	5/16	1 1/16	1 3/8
.040 / 1mm	3/4HN-X.040	3/4HN-X.040-SS	3/4HN-X.040-316SS	3/4HN-X.040-NP	5/16	1 1/16	1 3/8
3/64	3/4HN-X.045	3/4HN-X.045-SS	3/4HN-X.045-316SS	3/4HN-X.045-NP	5/16	1 1/16	1 3/8
.050	3/4HN-X.050	3/4HN-X.050-SS	3/4HN-X.050-316SS	3/4HN-X.050-NP	5/16	1 1/16	1 3/8
1/16	3/4HN-X1	3/4HN-X1-SS	3/4HN-X1-316SS	3/4HN-X1-NP	5/16	1 1/16	1 5/8
5/64 / 2mm	3/4HN-X2	3/4HN-X2-SS	3/4HN-X2-316SS	3/4HN-X2-NP	5/16	1 1/16	1 5/8
3/32	3/4HN-X2 1/2	3/4HN-X2 1/2-SS	3/4HN-X2 1/2-316SS	3/4HN-X2 1/2-NP	5/16	1 1/16	1 5/8
1/8	3/4HN-X3	3/4HN-X3-SS	3/4HN-X3-316SS	3/4HN-X3-NP	5/16	1 1/16	1 11/16
5/32 / 4mm	3/4HN-X3 1/2	3/4HN-X3 1/2-SS	3/4HN-X3 1/2-316SS	3/4HN-X3 1/2-NP	5/16	1 1/16	1 11/16
.170	3/4HN-X4	3/4HN-X4-SS	3/4HN-X4-316SS	3/4HN-X4-NP	5/16	1 1/16	1 3/4
3/16	3/4HN-X5	3/4HN-X5-SS	3/4HN-X5-316SS	3/4HN-X5-NP	5/16	1 1/16	1 13/16
7/32	3/4HN-X5 1/2	3/4HN-X5 1/2-SS	3/4HN-X5 1/2-316SS	3/4HN-X5 1/2-NP	5/16	1 1/16	1 13/16
6mm	3/4HN-X5 3/4	3/4HN-X5 3/4-SS	3/4HN-X5 3/4-316SS	3/4HN-X5 3/4-NP	5/16	1 1/16	2 1/16
1/4	3/4HN-X6	3/4HN-X6-SS	3/4HN-X6-316SS	3/4HN-X6-NP	5/16	1 1/16	2 1/16
5/16 / 8mm	3/4HN-X7	3/4HN-X7-SS	3/4HN-X7-316SS	3/4HN-X7-NP	7/16	1 1/16	2 5/16
3/8	3/4HN-X8	3/4HN-X8-SS	3/4HN-X8-316SS	3/4HN-X8-NP	7/16	1 1/16	2 1/8
1/2	3/4HN-X10	3/4HN-X10-SS	3/4HN-X10-316SS	3/4HN-X10-NP	5/8	1 1/16	2 9/16
5/8	3/4HN-X11	3/4HN-X11-SS	3/4HN-X11-316SS	3/4HN-X11-NP	3/4	1 1/16	1 3/4
3/4	3/4HN-X12	3/4HN-X12-SS	3/4HN-X12-316SS	3/4HN-X12-NP	1	1 1/16	1 3/4





3/4HN-X3

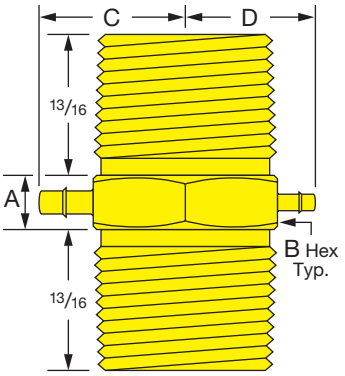
Other Hex Nipple options are listed on page 427!

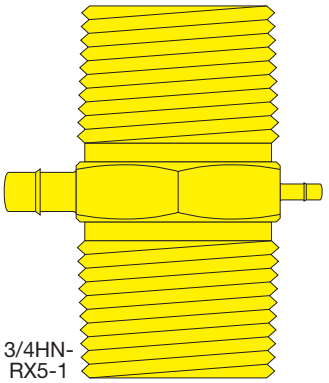
491 3/4 NPT Male Thread Hex Nipples with Tube Branches: Reducing Crosses

Tube ID	Branches	Dimensions (Reference)			
	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	5/16	1 1/16	11/16	11/16
.040 / 1mm	.040	5/16	1 1/16	11/16	11/16
3/64	.045	5/16	1 1/16	11/16	11/16
.050	.050	5/16	1 1/16	11/16	11/16
1/16	1	5/16	1 1/16	13/16	13/16
5/64 / 2mm	2	5/16	1 1/16	13/16	13/16
3/32	2 1/2	5/16	1 1/16	13/16	13/16
1/8	3	5/16	1 1/16	27/32	27/32
5/32 / 4mm	3 1/2	5/16	1 1/16	27/32	27/32
.170	4	5/16	1 1/16	7/8	7/8

Tube ID	Branches	Dimensions (Reference)			
	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
3/16	5	5/16	1 1/16	29/32	29/32
7/32	5 1/2	5/16	1 1/16	29/32	29/32
6mm	5 3/4	5/16	1 1/16	1 1/32	1 1/32
1/4	6	5/16	1 1/16	1 1/32	1 1/32
5/16 / 8mm	7	7/16	1 1/16	1 5/32	1 5/32
3/8	8	7/16	1 1/16	1 1/16	1 1/16
1/2	10	5/8	1 1/16	1 9/32	1 9/32
5/8	11	3/4	1 1/16	1 3/4	1 3/4
3/4	12	1	1 1/16	1 3/4	1 3/4

Metric, BSPT, and BSPP threads also available!





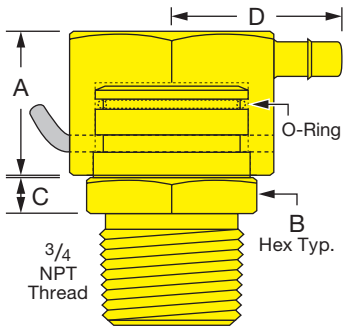
3/4HN-RX5-1

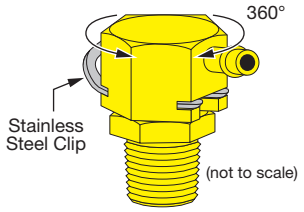
Part Numbers for 3/4 NPT Hex Nipples with Reducing Cross Branches:

Thread Size → 3/4 | HN-RX (Fitting Series) | # (Larger Branch #) - # (Smaller Branch #)

Unless otherwise specified, parts will be Brass. To order other materials, use the following codes:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

3/4 NPT Male Thread to Tube Swivel Elbows with Clip Groove 492





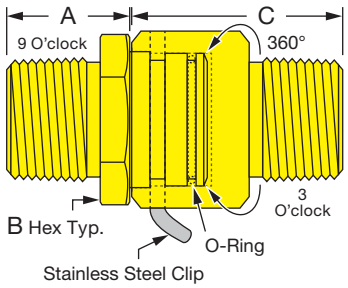
BSPT & BSPP threads available! Consult factory!

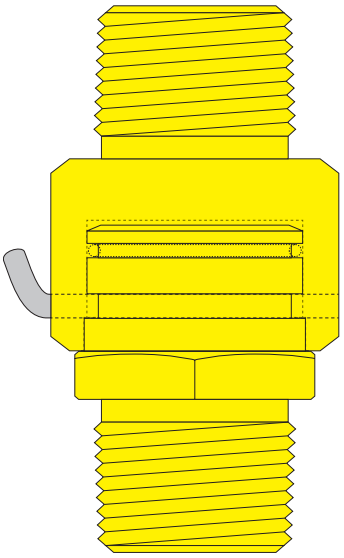
Other Swivel Fitting options are available throught the GT Series!

Tube ID	Part Numbers				Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/16	3/4SW-LB1-GT	3/4SW-LB1-GT-SS	3/4SW-LB1-GT-316SS	3/4SW-LB1-GT-NP	Consult Factory	Consult Factory	Consult Factory	Consult Factory
5/64 / 2mm	3/4SW-LB2-GT	3/4SW-LB2-GT-SS	3/4SW-LB2-GT-316SS	3/4SW-LB2-GT-NP				
3/32	3/4SW-LB2 1/2-GT	3/4SW-LB2 1/2-GT-SS	3/4SW-LB2 1/2-GT-316SS	3/4SW-LB2 1/2-GT-NP				
1/8	3/4SW-LB3-GT	3/4SW-LB3-GT-SS	3/4SW-LB3-GT-316SS	3/4SW-LB3-GT-NP				
5/32 / 4mm	3/4SW-LB3 1/2-GT	3/4SW-LB3 1/2-GT-SS	3/4SW-LB3 1/2-GT-316SS	3/4SW-LB3 1/2-GT-NP				
.170	3/4SW-LB4-GT	3/4SW-LB4-GT-SS	3/4SW-LB4-GT-316SS	3/4SW-LB4-GT-NP				
3/16	3/4SW-LB5-GT	3/4SW-LB5-GT-SS	3/4SW-LB5-GT-316SS	3/4SW-LB5-GT-NP				
7/32	3/4SW-LB5 1/2-GT	3/4SW-LB5 1/2-GT-SS	3/4SW-LB5 1/2-GT-316SS	3/4SW-LB5 1/2-GT-NP				
6mm	3/4SW-LB5 3/4-GT	3/4SW-LB5 3/4-GT-SS	3/4SW-LB5 3/4-GT-316SS	3/4SW-LB5 3/4-GT-NP				
1/4	3/4SW-LB6-GT	3/4SW-LB6-GT-SS	3/4SW-LB6-GT-316SS	3/4SW-LB6-GT-NP				
5/16 / 8mm	3/4SW-LB7-GT	3/4SW-LB7-GT-SS	3/4SW-LB7-GT-316SS	3/4SW-LB7-GT-NP				
3/8	3/4SW-LB8-GT	3/4SW-LB8-GT-SS	3/4SW-LB8-GT-316SS	3/4SW-LB8-GT-NP				
1/2	3/4SW-LB10-GT	3/4SW-LB10-GT-SS	3/4SW-LB10-GT-316SS	3/4SW-LB10-GT-NP				

Q

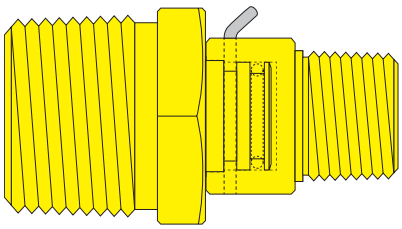
3/4 NPT Male Thread Swivel Nipples and Reducing Swivel Nipples 493



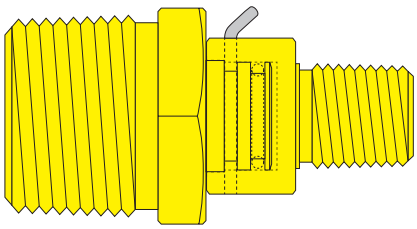


3/4SWN-GT

9 O'clock Thread Size	3 O'clock Thread Size	Part Numbers					Dimensions (Reference)		
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
3/4	3/4	3/4SWN-GT	3/4SWN-GT-SS	3/4SWN-GT-316SS	3/4SWN-GT-AL	3/4SWN-GT-NP	Consult Factory	Consult Factory	Consult Factory
3/4	1/2	3/4RSWN-1/2-GT	3/4RSWN-1/2-GT-SS	3/4RSWN-1/2-GT-316SS	3/4RSWN-1/2-GT-AL	3/4RSWN-1/2-GT-NP			
3/4	3/8	3/4RSWN-3/8-GT	3/4RSWN-3/8-GT-SS	3/4RSWN-3/8-GT-316SS	3/4RSWN-3/8-GT-AL	3/4RSWN-3/8-GT-NP			
3/4	1/4	3/4RSWN-1/4-GT	3/4RSWN-1/4-GT-SS	3/4RSWN-1/4-GT-316SS	3/4RSWN-1/4-GT-AL	3/4RSWN-1/4-GT-NP			
3/4	1/8	3/4RSWN-1/8-GT	3/4RSWN-1/8-GT-SS	3/4RSWN-1/8-GT-316SS	3/4RSWN-1/8-GT-AL	3/4RSWN-1/8-GT-NP			
3/4	5/16-24	3/4RSWN-5/16-24-GT	3/4RSWN-5/16-24-GT-SS	3/4RSWN-5/16-24-GT-316SS	3/4RSWN-5/16-24-GT-AL	3/4RSWN-5/16-24-GT-NP			
3/4	5/16-18	3/8-RSWN-5/16-18-GT	3/4RSWN-5/16-18-GT-SS	3/4RSWN-5/16-18-GT-316SS	3/4RSWN-5/16-18-GT-AL	3/4RSWN-5/16-18-GT-NP			
3/4	1/16	3/4RSWN-1/16-GT	3/4RSWN-1/16-GT-SS	3/4RSWN-1/16-GT-316SS	3/4RSWN-1/16-GT-AL	3/4RSWN-1/16-GT-NP			
3/4	1/4-28	3/4RSWN-4-28-GT	3/4RSWN-4-28-GT-SS	3/4RSWN-4-28-GT-316SS	3/4RSWN-4-28-GT-AL	3/4RSWN-4-28-GT-NP			
3/4	1/4-20	3/4RSWN-4-20-GT	3/4RSWN-4-20-GT-SS	3/4RSWN-4-20-GT-316SS	3/4RSWN-4-20-GT-AL	3/4RSWN-4-20-GT-NP			
3/4	10-32	3/4RSWN-10-GT	3/4RSWN-10-GT-SS	3/4RSWN-10-GT-316SS	3/4RSWN-10-GT-AL	3/4RSWN-10-GT-NP			



3/4RSWN-3/8-GT



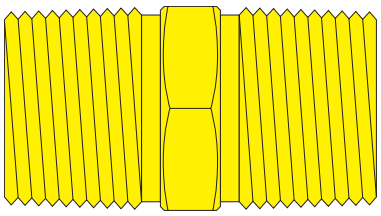
3/4RSWN-1/4-GT

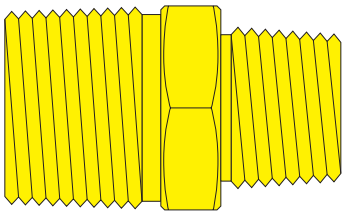
Other Swivel Nipple Fitting configurations available. Lead times apply. Consult factory for details!

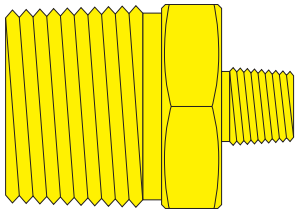
Note: *Images are for visual representation only; not intended for dimensional measurements.*

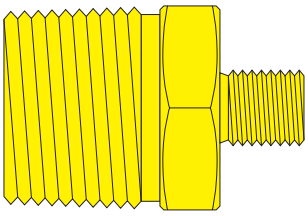
O-Ring options are available for parallel threads! O-Ring material options are listed on page 65!

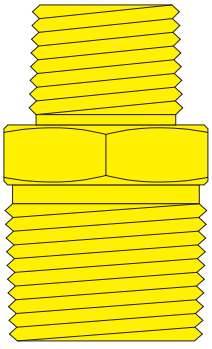
3/4 NPT Male Thread Hex and Reducing Hex Nipples available! Consult factory for details!

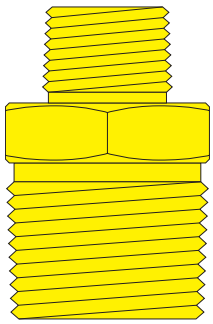

3/4HN

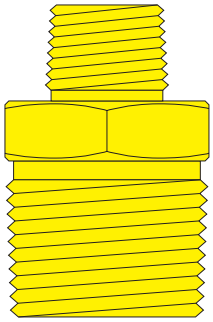

3/4x1/2-RHN


3/4x1/8-RHN

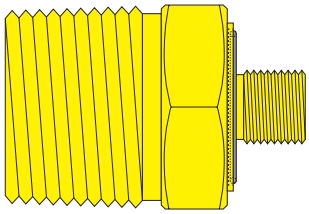

3/4xM10x1.25-RHN

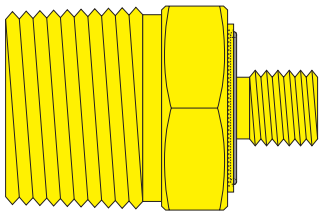

3/4x1/2BSPT-RHN


3/4x3/8-RHN


3/4x3/8BSPT-RHN

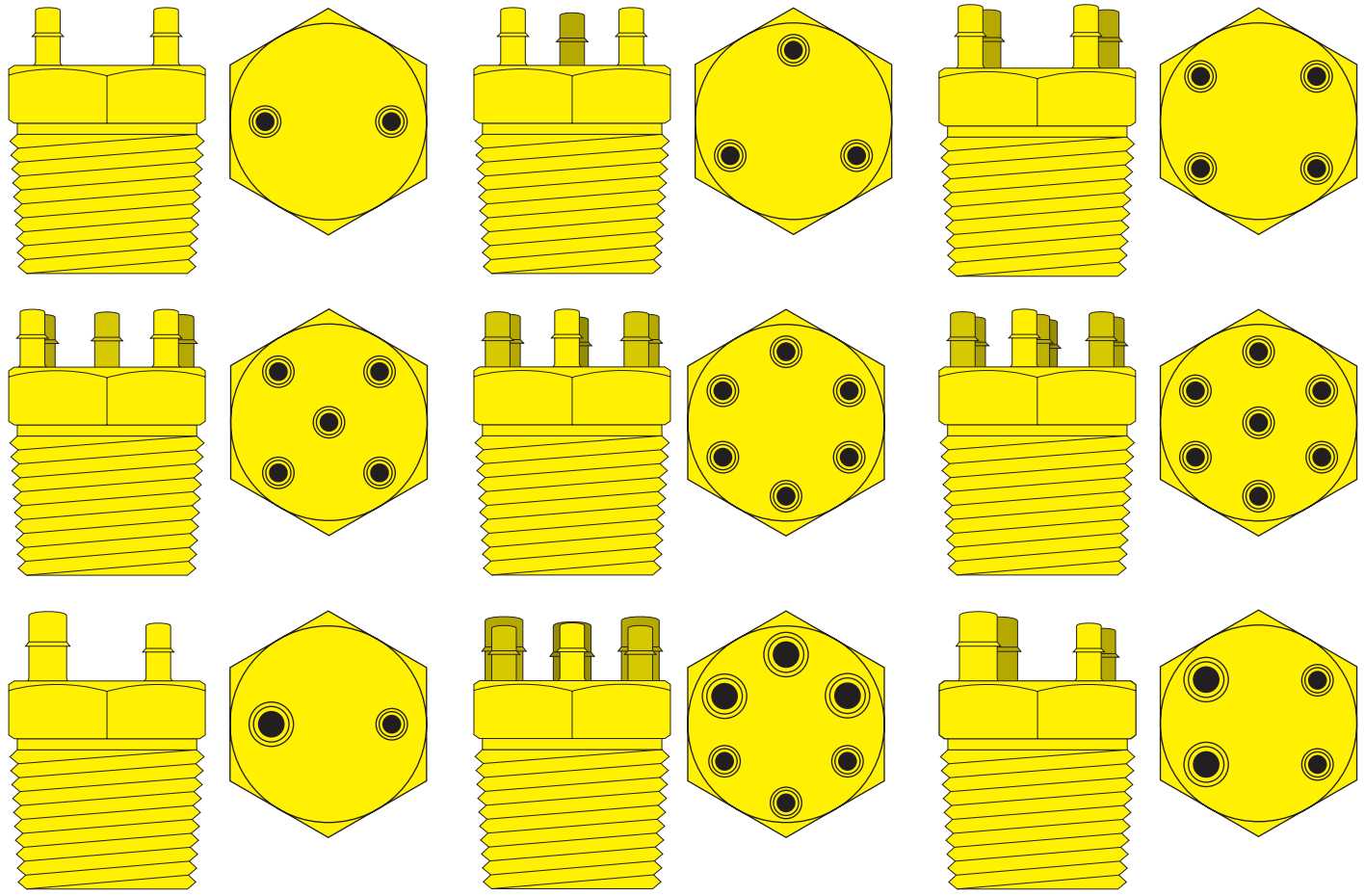
O-Ring options are available for straight threads!


3/4x1/8BSPP-RHN-O


3/4xM10x1.5-RHN-O

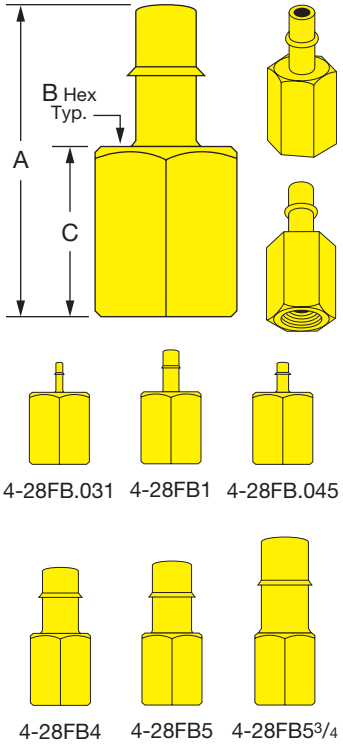
O-Ring materials are listed on page 65!

3/4 NPT Male Threaded Straight Multi-Branch Manifolds available! Consult factory for details!



Fittings with male threads 1 inch and larger are also available! Consult factory for details!

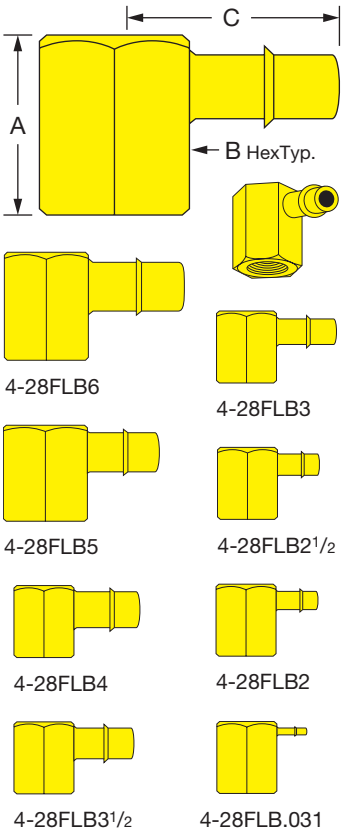
1/4-28 (4-28) Female Thread to Tube Straight Fitting 494



Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	4-28FB.031	4-28FB.031-SS	4-28FB.031-316SS	N/A	4-28FB.031-NP	17/32	5/16	3/8
.040 / 1mm	4-28FB.040	4-28FB.040-SS	4-28FB.040-316SS	N/A	4-28FB.040-NP	17/32	5/16	3/8
3/64	4-28FB.045	4-28FB.045-SS	4-28FB.045-316SS	N/A	4-28FB.045-NP	17/32	5/16	3/8
.050	4-28FB.050	4-28FB.050-SS	4-28FB.050-316SS	N/A	4-28FB.050-NP	17/32	5/16	3/8
1/16	4-28FB1	4-28FB1-SS	4-28FB1-316SS	4-28FB1-AL	4-28FB1-NP	19/32	5/16	3/8
5/64 / 2mm	4-28FB2	4-28FB2-SS	4-28FB2-316SS	4-28FB2-AL	4-28FB2-NP	19/32	5/16	3/8
3/32	4-28FB2 1/2	4-28FB2 1/2-SS	4-28FB2 1/2-316SS	4-28FB2 1/2-AL	4-28FB2 1/2-NP	19/32	5/16	3/8
1/8	4-28FB3	4-28FB3-SS	4-28FB3-316SS	4-28FB3-AL	4-28FB3-NP	11/16	5/16	3/8
5/32 / 4mm	4-28FB3 1/2	4-28FB3 1/2-SS	4-28FB3 1/2-316SS	4-28FB3 1/2-AL	4-28FB3 1/2-NP	11/16	5/16	3/8
.170	4-28FB4	4-28FB4-SS	4-28FB4-316SS	4-28FB4-AL	4-28FB4-NP	23/32	5/16	3/8
3/16	4-28FB5	4-28FB5-SS	4-28FB5-316SS	4-28FB5-AL	4-28FB5-NP	3/4	5/16	3/8
7/32	4-28FB5 1/2	4-28FB5 1/2-SS	4-28FB5 1/2-316SS	4-28FB5 1/2-AL	4-28FB5 1/2-NP	3/4	5/16	3/8
6mm	4-28FB5 3/4	4-28FB5 3/4-SS	4-28FB5 3/4-316SS	4-28FB5 3/4-AL	4-28FB5 3/4-NP	7/8	5/16	3/8
1/4	4-28FB6	4-28FB6-SS	4-28FB6-316SS	4-28FB6-AL	4-28FB6-NP	7/8	5/16	3/8

R

1/4-28 (4-28) Female Thread to Tube Elbows 495



Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	4-28FLB.031	4-28FLB.031-SS	4-28FLB.031-316SS	4-28FLB.031-NP	3/8	5/16	5/16
.040 / 1mm	4-28FLB.040	4-28FLB.040-SS	4-28FLB.040-316SS	4-28FLB.040-NP	3/8	5/16	5/16
3/64	4-28FLB.045	4-28FLB.045-SS	4-28FLB.045-316SS	4-28FLB.045-NP	3/8	5/16	5/16
.050	4-28FLB.050	4-28FLB.050-SS	4-28FLB.050-316SS	4-28FLB.050-NP	3/8	5/16	5/16
1/16	4-28FLB1	4-28FLB1-SS	4-28FLB1-316SS	4-28FLB1-NP	3/8	5/16	3/8
5/64 / 2mm	4-28FLB2	4-28FLB2-SS	4-28FLB2-316SS	4-28FLB2-NP	3/8	5/16	3/8
3/32	4-28FLB2 1/2	4-28FLB2 1/2-SS	4-28FLB2 1/2-316SS	4-28FLB2 1/2-NP	3/8	5/16	3/8
1/8	4-28FLB3	4-28FLB3-SS	4-28FLB3-316SS	4-28FLB3-NP	3/8	5/16	15/32
5/32 / 4mm	4-28FLB3 1/2	4-28FLB3 1/2-SS	4-28FLB3 1/2-316SS	4-28FLB3 1/2-NP	3/8	5/16	15/32
.170	4-28FLB4	4-28FLB4-SS	4-28FLB4-316SS	4-28FLB4-NP	3/8	5/16	1/2
3/16	4-28FLB5	4-28FLB5-SS	4-28FLB5-316SS	4-28FLB5-NP	1/2	7/16	23/32
7/32	4-28FLB5 1/2	4-28FLB5 1/2-SS	4-28FLB5 1/2-316SS	4-28FLB5 1/2-NP	1/2	7/16	23/32
6mm	4-28FLB5 3/4	4-28FLB5 3/4-SS	4-28FLB5 3/4-316SS	4-28FLB5 3/4-NP	9/16	7/16	25/32
1/4	4-28FLB6	4-28FLB6-SS	4-28FLB6-316SS	4-28FLB6-NP	9/16	7/16	25/32

Note: *Images are for visual representation only; not intended for dimensional measurements. Dimensions may vary at time of manufacturing.*

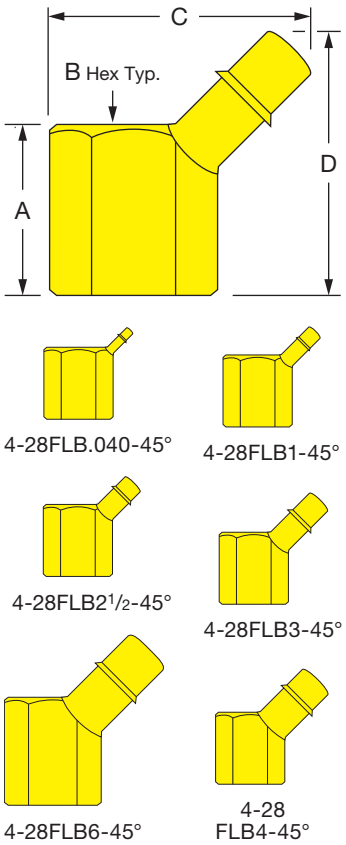
All 1/4-28 female threaded fittings are available with 1/4-20 (4-20) threads! Consult factory for details!

.025 branch (1/50" tube ID) available upon request. Lead times and minimum quantities apply! Consult factory for details!

496 — 1/4-28 (4-28) Female Thread to Tube 45° Elbows

Tube ID	Part Numbers				Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/32	4-28FLB.031-45°	4-28FLB.031-45°-SS	4-28FLB.031-45°-316SS	4-28FLB.031-45°-NP	3/8	5/16	Consult Factory	Consult Factory
.040 / 1mm	4-28FLB.040-45°	4-28FLB.040-45°-SS	4-28FLB.040-45°-316SS	4-28FLB.040-45°-NP	3/8	5/16	Consult Factory	Consult Factory
3/64	4-28FLB.045-45°	4-28FLB.045-45°-SS	4-28FLB.045-45°-316SS	4-28FLB.045-45°-NP	3/8	5/16	Consult Factory	Consult Factory
.050	4-28FLB.050-45°	4-28FLB.050-45°-SS	4-28FLB.050-45°-316SS	4-28FLB.050-45°-NP	3/8	5/16	Consult Factory	Consult Factory
1/16	4-28FLB1-45°	4-28FLB1-45°-SS	4-28FLB1-45°-316SS	4-28FLB1-45°-NP	3/8	5/16	Consult Factory	Consult Factory
5/64 / 2mm	4-28FLB2-45°	4-28FLB2-45°-SS	4-28FLB2-45°-316SS	4-28FLB2-45°-NP	3/8	5/16	Consult Factory	Consult Factory
3/32	4-28FLB2 1/2-45°	4-28FLB2 1/2-45°-SS	4-28FLB2 1/2-45°-316SS	4-28FLB2 1/2-45°-NP	3/8	5/16	Consult Factory	Consult Factory
1/8	4-28FLB3-45°	4-28FLB3-45°-SS	4-28FLB3-45°-316SS	4-28FLB3-45°-NP	3/8	5/16	Consult Factory	Consult Factory
5/32 / 4mm	4-28FLB3 1/2-45°	4-28FLB3 1/2-45°-SS	4-28FLB3 1/2-45°-316SS	4-28FLB3 1/2-45°-NP	3/8	5/16	Consult Factory	Consult Factory
.170	4-28FLB4-45°	4-28FLB4-45°-SS	4-28FLB4-45°-316SS	4-28FLB4-45°-NP	3/8	5/16	Consult Factory	Consult Factory
3/16	4-28FLB5-45°	4-28FLB5-45°-SS	4-28FLB5-45°-316SS	4-28FLB5-45°-NP	1/2	7/16	Consult Factory	Consult Factory
7/32	4-28FLB5 1/2-45°	4-28FLB5 1/2-45°-SS	4-28FLB5 1/2-45°-316SS	4-28FLB5 1/2-45°-NP	1/2	7/16	Consult Factory	Consult Factory
6mm	4-28FLB5 3/4-45°	4-28FLB5 3/4-45°-SS	4-28FLB5 3/4-45°-316SS	4-28FLB5 3/4-45°-NP	9/16	7/16	Consult Factory	Consult Factory
1/4	4-28FLB6-45°	4-28FLB6-45°-SS	4-28FLB6-45°-316SS	4-28FLB6-45°-NP	9/16	7/16	Consult Factory	Consult Factory

Note: for systems that do not allow the degree symbol (°) to be used, substitute 'DEG' in the part number.

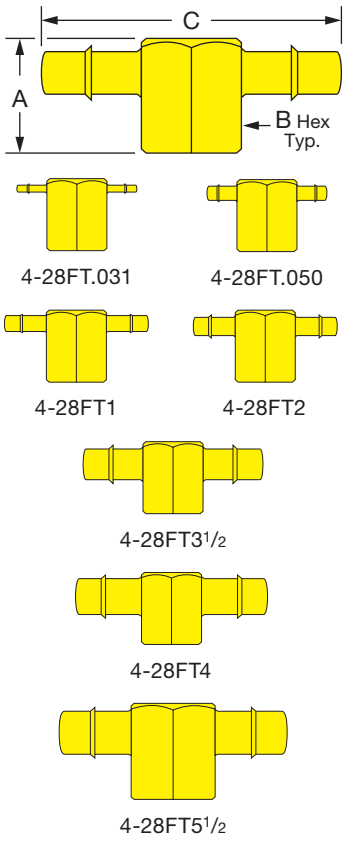


R

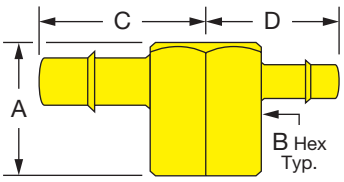
497 — 1/4-28 (4-28) Female Thread to Tube Tees

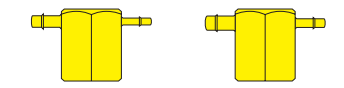
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	4-28FT.031	4-28FT.031-SS	4-28FT.031-316SS	4-28FT.031-NP	3/8	5/16	5/8
.040 / 1mm	4-28FT.040	4-28FT.040-SS	4-28FT.040-316SS	4-28FT.040-NP	3/8	5/16	5/8
3/64	4-28FT.045	4-28FT.045-SS	4-28FT.045-316SS	4-28FT.045-NP	3/8	5/16	5/8
.050	4-28FT.050	4-28FT.050-SS	4-28FT.050-316SS	4-28FT.050-NP	3/8	5/16	5/8
1/16	4-28FT1	4-28FT1-SS	4-28FT1-316SS	4-28FT1-NP	3/8	5/16	3/4
5/64 / 2mm	4-28FT2	4-28FT2-SS	4-28FT2-316SS	4-28FT2-NP	3/8	5/16	3/4
3/32	4-28FT2 1/2	4-28FT2 1/2-SS	4-28FT2 1/2-316SS	4-28FT2 1/2-NP	3/8	5/16	3/4
1/8	4-28FT3	4-28FT3-SS	4-28FT3-316SS	4-28FT3-NP	3/8	5/16	15/16
5/32 / 4mm	4-28FT3 1/2	4-28FT3 1/2-SS	4-28FT3 1/2-316SS	4-28FT3 1/2-NP	3/8	5/16	15/16
.170	4-28FT4	4-28FT4-SS	4-28FT4-316SS	4-28FT4-NP	3/8	5/16	1
3/16	4-28FT5	4-28FT5-SS	4-28FT5-316SS	4-28FT5-NP	1/2	7/16	1 7/16
7/32	4-28FT5 1/2	4-28FT5 1/2-SS	4-28FT5 1/2-316SS	4-28FT5 1/2-NP	1/2	7/16	1 7/16
6mm	4-28FT5 3/4	4-28FT5 3/4-SS	4-28FT5 3/4-316SS	4-28FT5 3/4-NP	9/16	7/16	1 9/16
1/4	4-28FT6	4-28FT6-SS	4-28FT6-316SS	4-28FT6-NP	9/16	7/16	1 9/16

.025 branch (1/50" tube ID) available. Lead times & minimum quantities apply! Consult factory for details!

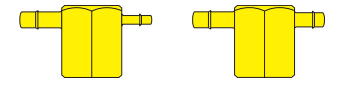


1/4-28 (4-28) Female Thread to Tube Reducing Tees

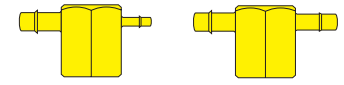




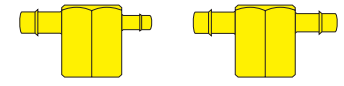
4-28 FRT.045-.031 | 4-28 FRT.050-.040



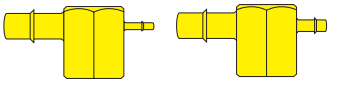
4-28FRT1-.040 | 4-28FRT1-.050



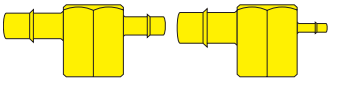
4-28FRT2-.040 | 4-28FRT2-1



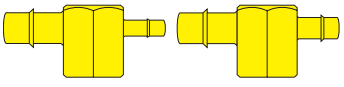
4-28FRT 2 1/2-.050 | 4-28FRT 2 1/2-2



4-28FRT3-.031 | 4-28FRT3-.045



4-28 FRT3-2 | 4-28FRT 3 1/2-.040



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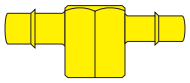
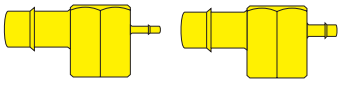


4-28 FRT3 1/2-3



4-28 FRT4-.031 | 4-28 FRT4-.045

Continued on next page.

Note: *Images are for visual representation only; not intended for dimensional measurements. Dimensions may vary at time of manufacturing.*

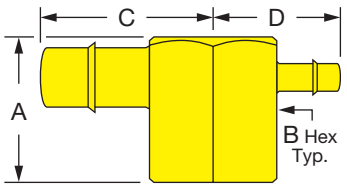
1/4-20 (4-20) Female Threads available! Consult factory for details!

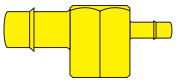
Tube ID		Part Numbers				Dimensions (Reference)			
Larger Branch	Smaller Branch	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
.040 / 1mm	1/32	4-28FRT.040-.031	4-28FRT.040-.031-SS	4-28FRT.040-.031-316SS	4-28FRT.040-.031-NP	3/8	5/16	5/16	5/16
3/64	1/32	4-28FRT.045-.031	4-28FRT.045-.031-SS	4-28FRT.045-.031-316SS	4-28FRT.045-.031-NP	3/8	5/16	5/16	5/16
3/64	.040 / 1mm	4-28FRT.045-.040	4-28FRT.045-.040-SS	4-28FRT.045-.040-316SS	4-28FRT.045-.040-NP	3/8	5/16	5/16	5/16
.050	1/32	4-28FRT.050-.031	4-28FRT.050-.031-SS	4-28FRT.050-.031-316SS	4-28FRT.050-.031-NP	3/8	5/16	5/16	5/16
.050	.040 / 1mm	4-28FRT.050-.040	4-28FRT.050-.040-SS	4-28FRT.050-.040-316SS	4-28FRT.050-.040-NP	3/8	5/16	5/16	5/16
.050	1/64	4-28FRT.050-.045	4-28FRT.050-.045-SS	4-28FRT.050-.045-316SS	4-28FRT.050-.045-NP	3/8	5/16	5/16	5/16
1/16	1/32	4-28FRT1-.031	4-28FRT1-.031-SS	4-28FRT1-.031-316SS	4-28FRT1-.031-NP	3/8	5/16	3/8	5/16
1/16	.040 / 1mm	4-28FRT1-.040	4-28FRT1-.040-SS	4-28FRT1-.040-316SS	4-28FRT1-.040-NP	3/8	5/16	3/8	5/16
1/16	3/64	4-28FRT1-.045	4-28FRT1-.045-SS	4-28FRT1-.045-316SS	4-28FRT1-.045-NP	3/8	5/16	3/8	5/16
1/16	.050	4-28FRT1-.050	4-28FRT1-.050-SS	4-28FRT1-.050-316SS	4-28FRT1-.050-NP	3/8	5/16	3/8	5/16
5/64 / 2mm	1/32	4-28FRT2-.031	4-28FRT2-.031-SS	4-28FRT2-.031-316SS	4-28FRT2-.031-NP	3/8	5/16	3/8	5/16
5/64 / 2mm	.040 / 1mm	4-28FRT2-.040	4-28FRT2-.040-SS	4-28FRT2-.040-316SS	4-28FRT2-.040-NP	3/8	5/16	3/8	5/16
5/64 / 2mm	3/64	4-28FRT2-.045	4-28FRT2-.045-SS	4-28FRT2-.045-316SS	4-28FRT2-.045-NP	3/8	5/16	3/8	5/16
5/64 / 2mm	.050	4-28FRT2-.050	4-28FRT2-.050-SS	4-28FRT2-.050-316SS	4-28FRT2-.050-NP	3/8	5/16	3/8	5/16
5/64 / 2mm	1/16	4-28FRT2-1	4-28FRT2-1-SS	4-28FRT2-1-316SS	4-28FRT2-1-NP	3/8	5/16	3/8	3/8
3/32	1/32	4-28FRT2 1/2-.031	4-28FRT2 1/2-.031-SS	4-28FRT2 1/2-.031-316SS	4-28FRT2 1/2-.031-NP	3/8	5/16	3/8	5/16
3/32	.040 / 1mm	4-28FRT2 1/2-.040	4-28FRT2 1/2-.040-SS	4-28FRT2 1/2-.040-316SS	4-28FRT2 1/2-.040-NP	3/8	5/16	3/8	5/16
3/32	3/64	4-28FRT2 1/2-.045	4-28FRT2 1/2-.045-SS	4-28FRT2 1/2-.045-316SS	4-28FRT2 1/2-.045-NP	3/8	5/16	3/8	5/16
3/32	.050	4-28FRT2 1/2-.050	4-28FRT2 1/2-.050-SS	4-28FRT2 1/2-.050-316SS	4-28FRT2 1/2-.050-NP	3/8	5/16	3/8	5/16
3/32	1/16	4-28FRT2 1/2-1	4-28FRT2 1/2-1-SS	4-28FRT2 1/2-1-316SS	4-28FRT2 1/2-1-NP	3/8	5/16	3/8	3/8
3/32	5/64 / 2mm	4-28FRT2 1/2-2	4-28FRT2 1/2-2-SS	4-28FRT2 1/2-2-316SS	4-28FRT2 1/2-2-NP	3/8	5/16	3/8	3/8
1/8	1/32	4-28FRT3-.031	4-28FRT3-.031-SS	4-28FRT3-.031-316SS	4-28FRT3-.031-NP	3/8	5/16	17/32	5/16
1/8	.040 / 1mm	4-28FRT3-.040	4-28FRT3-.040-SS	4-28FRT3-.040-316SS	4-28FRT3-.040-NP	3/8	5/16	17/32	5/16
1/8	3/64	4-28FRT3-.045	4-28FRT3-.045-SS	4-28FRT3-.045-316SS	4-28FRT3-.045-NP	3/8	5/16	17/32	5/16
1/8	.050	4-28FRT3-.050	4-28FRT3-.050-SS	4-28FRT3-.050-316SS	4-28FRT3-.050-NP	3/8	5/16	17/32	5/16
1/8	1/16	4-28FRT3-1	4-28FRT3-1-SS	4-28FRT3-1-316SS	4-28FRT3-1-NP	3/8	5/16	17/32	3/8
1/8	5/64 / 2mm	4-28FRT3-2	4-28FRT3-2-SS	4-28FRT3-2-316SS	4-28FRT3-2-NP	3/8	5/16	17/32	3/8
1/8	3/32	4-28FRT3-2 1/2	4-28FRT3-2 1/2-SS	4-28FRT3-2 1/2-316SS	4-28FRT3-2 1/2-NP	3/8	5/16	17/32	3/8
5/32	1/32	4-28FRT3 1/2-.031	4-28FRT3 1/2-.031-SS	4-28FRT3 1/2-.031-316SS	4-28FRT3 1/2-.031-NP	3/8	5/16	17/32	5/16
5/32	.040 / 1mm	4-28FRT3 1/2-.040	4-28FRT3 1/2-.040-SS	4-28FRT3 1/2-.040-316SS	4-28FRT3 1/2-.040-NP	3/8	5/16	17/32	5/16
5/32	3/64	4-28FRT3 1/2-.045	4-28FRT3 1/2-.045-SS	4-28FRT3 1/2-.045-316SS	4-28FRT3 1/2-.045-NP	3/8	5/16	17/32	5/16
5/32	.050	4-28FRT3 1/2-.050	4-28FRT3 1/2-.050-SS	4-28FRT3 1/2-.050-316SS	4-28FRT3 1/2-.050-NP	3/8	5/16	17/32	5/16
5/32	1/16	4-28FRT3 1/2-1	4-28FRT3 1/2-1-SS	4-28FRT3 1/2-1-316SS	4-28FRT3 1/2-1-NP	3/8	5/16	17/32	3/8
5/32	5/64 / 2mm	4-28FRT3 1/2-2	4-28FRT3 1/2-2-SS	4-28FRT3 1/2-2-316SS	4-28FRT3 1/2-2-NP	3/8	5/16	17/32	3/8
5/32	3/32	4-28FRT3 1/2-2 1/2	4-28FRT3 1/2-2 1/2-SS	4-28FRT3 1/2-2 1/2-316SS	4-28FRT3 1/2-2 1/2-NP	3/8	5/16	17/32	3/8
5/32	1/8	4-28FRT3 1/2-3	4-28FRT3 1/2-3-SS	4-28FRT3 1/2-3-316SS	4-28FRT3 1/2-3-NP	3/8	5/16	17/32	17/32
.170	1/32	4-28FRT4-.031	4-28FRT4-.031-SS	4-28FRT4-.031-316SS	4-28FRT4-.031-NP	3/8	5/16	1/2	5/16
.170	.040 / 1mm	4-28FRT4-.040	4-28FRT4-.040-SS	4-28FRT4-.040-316SS	4-28FRT4-.040-NP	3/8	5/16	1/2	5/16
.170	3/64	4-28FRT4-.045	4-28FRT4-.045-SS	4-28FRT4-.045-316SS	4-28FRT4-.045-NP	3/8	5/16	1/2	5/16

R

499 1/4-28 (4-28) Female Thread to Tube Reducing Tees (continued)

Tube ID		Part Numbers				Dimensions (Reference)			
Larger Branch	Smaller Branch	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
.170	.050	4-28FRT4-.050	4-28FRT4-.050-SS	4-28FRT4-.050-316SS	4-28FRT4-.050-NP	3/8	5/16	1/2	5/16
.170	1/16	4-28FRT4-1	4-28FRT4-1-SS	4-28FRT4-1-316SS	4-28FRT4-1-NP	3/8	5/16	1/2	3/8
.170	5/64 / 2mm	4-28FRT4-2	4-28FRT4-2-SS	4-28FRT4-2-316SS	4-28FRT4-2-NP	3/8	5/16	1/2	3/8
.170	3/32	4-28FRT4-2 1/2	4-28FRT4-2 1/2-SS	4-28FRT4-2 1/2-316SS	4-28FRT4-2 1/2-NP	3/8	5/16	1/2	3/8
.170	1/8	4-28FRT4-3	4-28FRT4-3-SS	4-28FRT4-3-316SS	4-28FRT4-3-NP	3/8	5/16	1/2	17/32
.170	5/32 / 4mm	4-28FRT4-3 1/2	4-28FRT4-3 1/2-SS	4-28FRT4-3 1/2-316SS	4-28FRT4-3 1/2-NP	3/8	5/16	1/2	17/32
3/16	1/32	4-28FRT5-.031	4-28FRT5-.031-SS	4-28FRT5-.031-316SS	4-28FRT5-.031-NP	1/2	7/16	23/32	3/8
3/16	.040 / 1mm	4-28FRT5-.040	4-28FRT5-.040-SS	4-28FRT5-.040-316SS	4-28FRT5-.040-NP	1/2	7/16	23/32	3/8
3/16	3/64	4-28FRT5-.045	4-28FRT5-.045-SS	4-28FRT5-.045-316SS	4-28FRT5-.045-NP	1/2	7/16	23/32	3/8
3/16	.050	4-28FRT5-.050	4-28FRT5-.050-SS	4-28FRT5-.050-316SS	4-28FRT5-.050-NP	1/2	7/16	23/32	3/8
3/16	1/16	4-28FRT5-1	4-28FRT5-1-SS	4-28FRT5-1-316SS	4-28FRT5-1-NP	1/2	7/16	23/32	7/16
3/16	5/64 / 2mm	4-28FRT5-2	4-28FRT5-2-SS	4-28FRT5-2-316SS	4-28FRT5-2-NP	1/2	7/16	23/32	7/16
3/16	3/32	4-28FRT5-2 1/2	4-28FRT5-2 1/2-SS	4-28FRT5-2 1/2-316SS	4-28FRT5-2 1/2-NP	1/2	7/16	23/32	7/16
3/16	1/8	4-28FRT5-3	4-28FRT5-3-SS	4-28FRT5-3-316SS	4-28FRT5-3-NP	1/2	7/16	23/32	17/32
3/16	5/32 / 4mm	4-28FRT5-3 1/2	4-28FRT5-3 1/2-SS	4-28FRT5-3 1/2-316SS	4-28FRT5-3 1/2-NP	1/2	7/16	23/32	17/32
3/16	.170	4-28FRT5-4	4-28FRT5-4-SS	4-28FRT5-4-316SS	4-28FRT5-4-NP	1/2	7/16	23/32	9/16
7/32	1/16	4-28FRT5 1/2-1	4-28FRT5 1/2-1-SS	4-28FRT5 1/2-1-316SS	4-28FRT5 1/2-1-NP	1/2	7/16	23/32	3/8
7/32	5/64 / 2mm	4-28FRT5 1/2-2	4-28FRT5 1/2-2-SS	4-28FRT5 1/2-2-316SS	4-28FRT5 1/2-2-NP	1/2	7/16	23/32	3/8
7/32	3/32	4-28FRT5 1/2-2 1/2	4-28FRT5 1/2-2 1/2-SS	4-28FRT5 1/2-2 1/2-316SS	4-28FRT5 1/2-2 1/2-NP	1/2	7/16	23/32	3/8
7/32	1/8	4-28FRT5 1/2-3	4-28FRT5 1/2-3-SS	4-28FRT5 1/2-3-316SS	4-28FRT5 1/2-3-NP	1/2	7/16	23/32	17/32
7/32	5/32 / 4mm	4-28FRT5 1/2-3 1/2	4-28FRT5 1/2-3 1/2-SS	4-28FRT5 1/2-3 1/2-316SS	4-28FRT5 1/2-3 1/2-NP	1/2	7/16	23/32	17/32
7/32	.170	4-28FRT5 1/2-4	4-28FRT5 1/2-4-SS	4-28FRT5 1/2-4-316SS	4-28FRT5 1/2-4-NP	1/2	7/16	23/32	9/16
7/32	3/16	4-28FRT5 1/2-5	4-28FRT5 1/2-5-SS	4-28FRT5 1/2-5-316SS	4-28FRT5 1/2-5-NP	1/2	7/16	23/32	23/32
6mm	1/16	4-28FRT5 3/4-1	4-28FRT5 3/4-1-SS	4-28FRT5 3/4-1-316SS	4-28FRT5 3/4-1-NP	9/16	7/16	25/32	3/8
6mm	5/64 / 2mm	4-28FRT5 3/4-2	4-28FRT5 3/4-2-SS	4-28FRT5 3/4-2-316SS	4-28FRT5 3/4-2-NP	9/16	7/16	25/32	3/8
6mm	3/32	4-28FRT5 3/4-2 1/2	4-28FRT5 3/4-2 1/2-SS	4-28FRT5 3/4-2 1/2-316SS	4-28FRT5 3/4-2 1/2-NP	9/16	7/16	25/32	3/8
6mm	1/8	4-28FRT5 3/4-3	4-28FRT5 3/4-3-SS	4-28FRT5 3/4-3-316SS	4-28FRT5 3/4-3-NP	9/16	7/16	25/32	17/32
6mm	5/32 / 4mm	4-28FRT5 3/4-3 1/2	4-28FRT5 3/4-3 1/2-SS	4-28FRT5 3/4-3 1/2-316SS	4-28FRT5 3/4-3 1/2-NP	9/16	7/16	25/32	17/32
6mm	.170	4-28FRT5 3/4-4	4-28FRT5 3/4-4-SS	4-28FRT5 3/4-4-316SS	4-28FRT5 3/4-4-NP	9/16	7/16	25/32	9/16
6mm	3/16	4-28FRT5 3/4-5	4-28FRT5 3/4-5-SS	4-28FRT5 3/4-5-316SS	4-28FRT5 3/4-5-NP	9/16	7/16	25/32	23/32
6mm	7/32	4-28FRT5 3/4-5 1/2	4-28FRT5 3/4-5 1/2-SS	4-28FRT5 3/4-5 1/2-316SS	4-28FRT5 3/4-5 1/2-NP	9/16	7/16	25/32	23/32
1/4	1/16	4-28FRT6-1	4-28FRT6-1-SS	4-28FRT6-1-316SS	4-28FRT6-1-NP	9/16	7/16	25/32	3/8
1/4	5/64 / 2mm	4-28FRT6-2	4-28FRT6-2-SS	4-28FRT6-2-316SS	4-28FRT6-2-NP	9/16	7/16	25/32	3/8
1/4	3/32	4-28FRT6-2 1/2	4-28FRT6-2 1/2-SS	4-28FRT6-2 1/2-316SS	4-28FRT6-2 1/2-NP	9/16	7/16	25/32	3/8
1/4	1/8	4-28FRT6-3	4-28FRT6-3-SS	4-28FRT6-3-316SS	4-28FRT6-3-NP	9/16	7/16	25/32	17/32
1/4	5/32 / 4mm	4-28FRT6-3 1/2	4-28FRT6-3 1/2-SS	4-28FRT6-3 1/2-316SS	4-28FRT6-3 1/2-NP	9/16	7/16	25/32	17/32
1/4	.170	4-28FRT6-4	4-28FRT6-4-SS	4-28FRT6-4-316SS	4-28FRT6-4-NP	9/16	7/16	25/32	9/16
1/4	3/16	4-28FRT6-5	4-28FRT6-5-SS	4-28FRT6-5-316SS	4-28FRT6-5-NP	9/16	7/16	25/32	23/32
1/4	7/32	4-28FRT6-5 1/2	4-28FRT6-5 1/2-SS	4-28FRT6-5 1/2-316SS	4-28FRT6-5 1/2-NP	9/16	7/16	25/32	23/32
1/4	6mm	4-28FRT6-5 3/4	4-28FRT6-5 3/4-SS	4-28FRT6-5 3/4-316SS	4-28FRT6-5 3/4-NP	9/16	7/16	25/32	25/32

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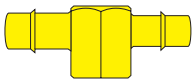
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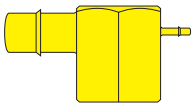
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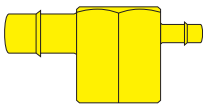
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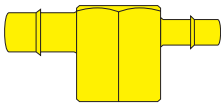
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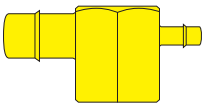
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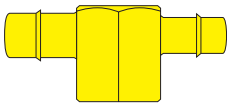
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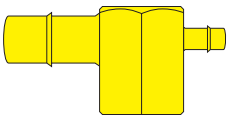
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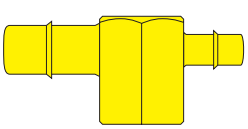
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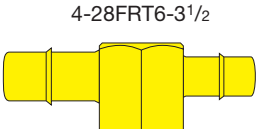
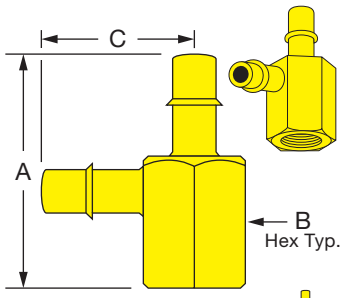
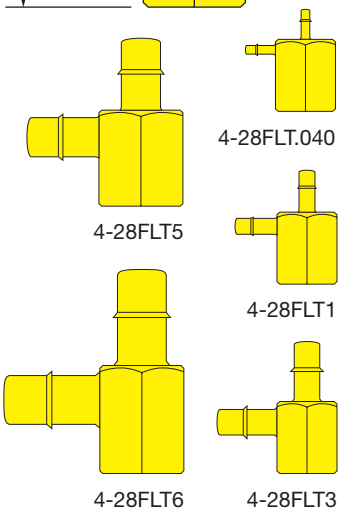

4-28FRT6-5

Note: *Dimensions may vary at time of manufacturing.*

R

1/4-28 (4-28) Female Thread to Tube L-Tees — 500

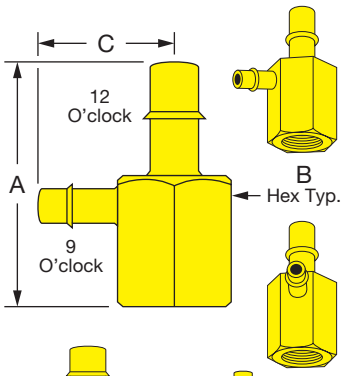


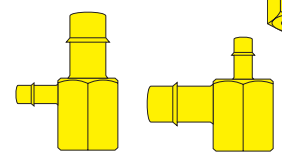


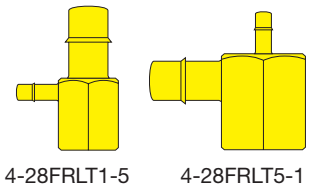
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	4-28FLT.031	4-28FLT.031-SS	4-28FLT.031-316SS	4-28FLT.031-NP	17/32	5/16	5/16
.040 / 1mm	4-28FLT.040	4-28FLT.040-SS	4-28FLT.040-316SS	4-28FLT.040-NP	17/32	5/16	5/16
3/64	4-28FLT.045	4-28FLT.045-SS	4-28FLT.045-316SS	4-28FLT.045-NP	17/32	5/16	5/16
.050	4-28FLT.050	4-28FLT.050-SS	4-28FLT.050-316SS	4-28FLT.050-NP	17/32	5/16	5/16
1/16	4-28FLT1	4-28FLT1-SS	4-28FLT1-316SS	4-28FLT1-NP	19/32	5/16	3/8
5/64 / 2mm	4-28FLT2	4-28FLT2-SS	4-28FLT2-316SS	4-28FLT2-NP	19/32	5/16	3/8
3/32	4-28FLT2 1/2	4-28FLT2 1/2-SS	4-28FLT2 1/2-316SS	4-28FLT2 1/2-NP	19/32	5/16	3/8
1/8	4-28FLT3	4-28FLT3-SS	4-28FLT3-316SS	4-28FLT3-NP	11/16	5/16	15/32
5/32 / 4mm	4-28FLT3 1/2	4-28FLT3 1/2-SS	4-28FLT3 1/2-316SS	4-28FLT3 1/2-NP	11/16	5/16	15/32
.170	4-28FLT4	4-28FLT4-SS	4-28FLT4-316SS	4-28FLT4-NP	23/32	5/16	1/2
3/16	4-28FLT5	4-28FLT5-SS	4-28FLT5-316SS	4-28FLT5-NP	7/8	7/16	23/32
7/32	4-28FLT5 1/2	4-28FLT5 1/2-SS	4-28FLT5 1/2-316SS	4-28FLT5 1/2-NP	7/8	7/16	23/32
6mm	4-28FLT5 3/4	4-28FLT5 3/4-SS	4-28FLT5 3/4-316SS	4-28FLT5 3/4-NP	1 1/16	7/16	25/32
1/4	4-28FLT6	4-28FLT6-SS	4-28FLT6-316SS	4-28FLT6-NP	1 1/16	7/16	25/32

R

1/4-28 (4-28) Female Thread to Tube Reducing L-Tees — 501







Branches		Dimensions (Reference)		
Tube ID	Branch #	A Ref.	B Typ.	C Ref.
1/32	.031	Consult Factory	7/16	5/16
.040 / 1mm	.040		7/16	5/16
3/64	.045		7/16	5/16
.050	.050		7/16	5/16

Branches		Dimensions (Reference)		
Tube ID	Branch #	A Ref.	B Typ.	C Ref.
1/16	1	Consult Factory	7/16	3/8
5/64 / 2mm	2		7/16	3/8
3/32	2 1/2		7/16	3/8
1/8	3		7/16	15/32
5/32 / 4mm	3 1/2		7/16	15/32

Branches		Dimensions (Reference)		
Tube ID	Branch #	A Ref.	B Typ.	C Ref.
.170	4	Consult Factory	7/16	1/2
3/16	5		7/16	23/32
7/32	5 1/2		7/16	23/32
6mm	5 3/4		1/2	25/32
1/4	6		1/2	25/32

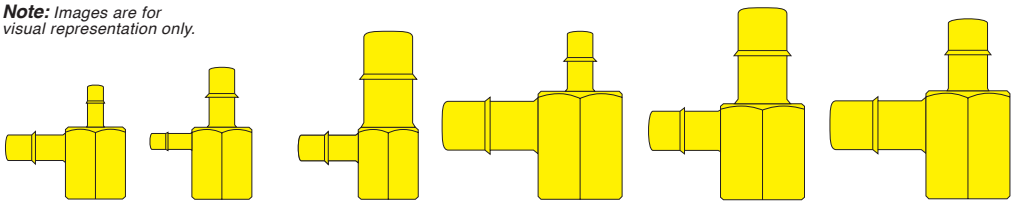
Note: *.025 branch (1/50" tube ID) available upon request. Consult factory for details!*

Part Numbers for 1/4-28 (4-28) NPT Female Thread to Tube Reducing L-Tees:

Thread Size → **4-28** **FRLT** **#** - **#** ← 12 O'clock Branch #

Fitting Series ↑ ↑ 9 O'clock Branch #

Note: *Images are for visual representation only.*



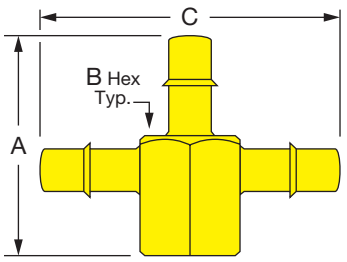
4-28FRLT3-1 4-28FRLT1-3 4-28FRLT3-6 4-28FRLT6-3 4-28FRLT5-6 4-28FRLT6-5

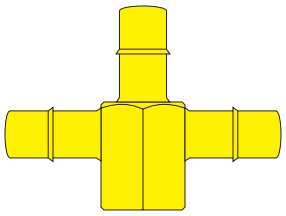
1/4-20 (4-20) Female Thread fittings available! Lead times and minimum quantities may apply! Consult factory for details!

Unless otherwise specified, parts will be Brass. To order other materials, use the following codes:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

502 — 1/4-28 (4-28) Female Thread to Tube Tees x 3

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	4-28FT.031x3	4-28FT.031x3-SS	4-28FT.031x3-316SS	4-28FT.031x3-NP	17/32	5/16	5/8
.040 / 1mm	4-28FT.040x3	4-28FT.040x3-SS	4-28FT.040x3-316SS	4-28FT.040x3-NP	17/32	5/16	5/8
3/64	4-28FT.045x3	4-28FT.045x3-SS	4-28FT.045x3-316SS	4-28FT.045x3-NP	17/32	5/16	5/8
.050	4-28FT.050x3	4-28FT.050x3-SS	4-28FT.050x3-316SS	4-28FT.050x3-NP	17/32	5/16	5/8
1/16	4-28FT1x3	4-28FT1x3-SS	4-28FT1x3-316SS	4-28FT1x3-NP	19/32	5/16	3/4
5/64 / 2mm	4-28FT2x3	4-28FT2x3-SS	4-28FT2x3-316SS	4-28FT2x3-NP	19/32	5/16	3/4
3/32	4-28FT2 1/2x3	4-28FT2 1/2x3-SS	4-28FT2 1/2x3-316SS	4-28FT2 1/2x3-NP	19/32	5/16	3/4
1/8	4-28FT3x3	4-28FT3x3-SS	4-28FT3x3-316SS	4-28FT3x3-NP	11/16	5/16	15/16
5/32 / 4mm	4-28FT3 1/2x3	4-28FT3 1/2x3-SS	4-28FT3 1/2x3-316SS	4-28FT3 1/2x3-NP	11/16	5/16	15/16
.170	4-28FT4x3	4-28FT4x3-SS	4-28FT4x3-316SS	4-28FT4x3-NP	23/32	5/16	1
3/16	4-28FT5x3	4-28FT5x3-SS	4-28FT5x3-316SS	4-28FT5x3-NP	7/8	7/16	1 7/16
7/32	4-28FT5 1/2x3	4-28FT5 1/2x3-SS	4-28FT5 1/2x3-316SS	4-28FT5 1/2x3-NP	7/8	7/16	1 7/16
6mm	4-28FT5 3/4x3	4-28FT5 3/4x3-SS	4-28FT5 3/4x3-316SS	4-28FT5 3/4x3-NP	1 1/16	7/16	1 9/16
1/4	4-28FT6x3	4-28FT6x3-SS	4-28FT6x3-316SS	4-28FT6x3-NP	1 1/16	7/16	1 9/16

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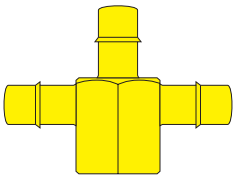
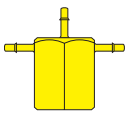

4-28FT5x3

R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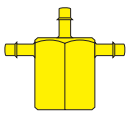
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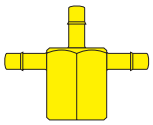
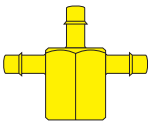
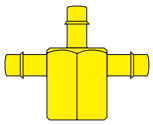
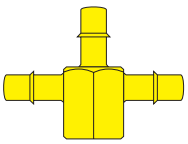
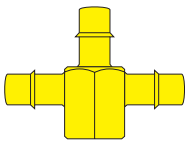
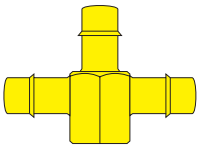

4-28FT1x3


4-28FT2x3


4-28FT2 1/2x3


4-28FT3x3


4-28FT3 1/2x3


4-28FT4x3

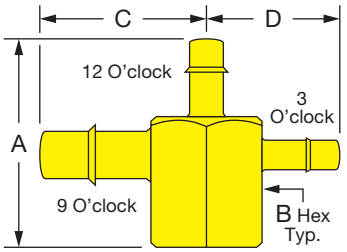
503 — 1/4-28 (4-28) Female Thread to Tube Reducing Tees x 3

Branches		Dimensions (Reference)			
Tube ID	Branch #	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	Consult Factory	5/16	5/16	5/16
.040 / 1mm	.040		5/16	5/16	5/16
3/64	.045		5/16	5/16	5/16
.050	.050		5/16	5/16	5/16

Material options on previous page!

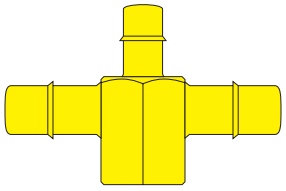
Branches		Dimensions (Reference)			
Tube ID	Branch #	A Ref.	B Typ.	C Ref.	D Ref.
1/16	1	Consult Factory	5/16	3/8	3/8
5/64 / 2mm	2		5/16	3/8	3/8
3/32	2 1/2		5/16	3/8	3/8
1/8	3		5/16	15/32	15/32
5/32 / 4mm	3 1/2		5/16	15/32	15/32

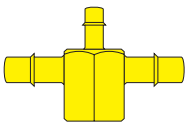
Branches		Dimensions (Reference)			
Tube ID	Branch #	A Ref.	B Typ.	C Ref.	D Ref.
.170	4	Consult Factory	5/16	1/2	1/2
3/16	5		7/16	23/32	23/32
7/32	5 1/2		7/16	23/32	23/32
6mm	5 3/4		1/2	25/32	25/32
1/4	6		1/2	25/32	25/32

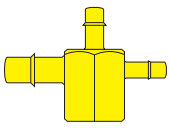


Part Numbers for 1/4-28 (4-28) NPT Female Thread to Tube Reducing L-Tees:

Thread Size → 4-28 — Fitting Series → FRT — # (9 O'clock Branch #) - # (12 O'clock Branch #) - # (3 O'clock Branch #)


4-28FT6-5-6


4-28FRT3-2-3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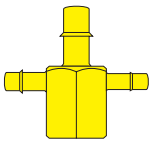
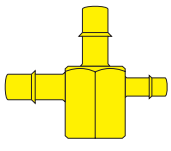
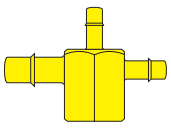
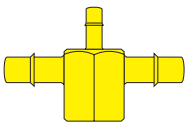
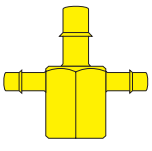
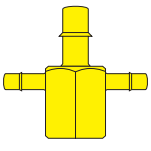

4-28FRT2-3-1


4-28FRT3-3-2

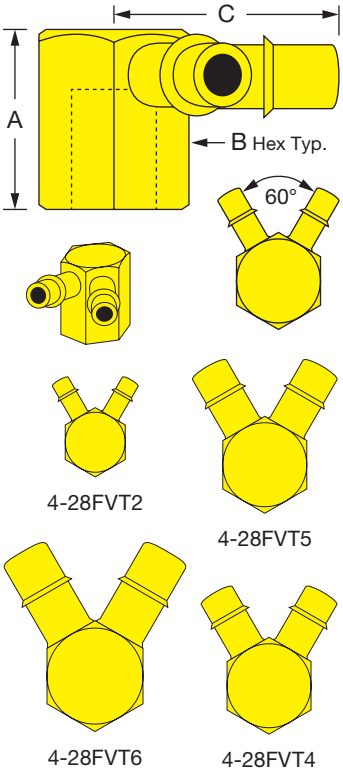

4-28FRT3-1-2


4-28FRT3-1-3


4-28FRT2-3-2


4-28FRT1-3-1

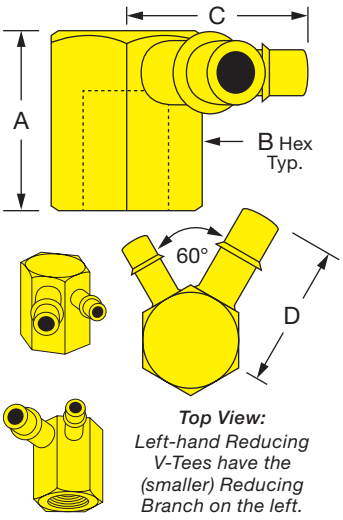
1/4-28 (4-28) Female Thread to Tube V-Tees 504



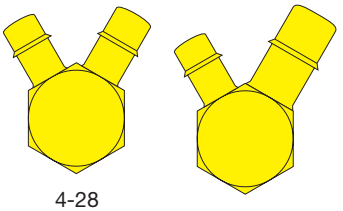
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	4-28FVT.031	4-28FVT.031-SS	4-28FVT.031-316SS	4-28FVT.031-NP	3/8	5/16	5/16
.040 / 1mm	4-28FVT.040	4-28FVT.040-SS	4-28FVT.040-316SS	4-28FVT.040-NP	3/8	5/16	5/16
3/64	4-28FVT.045	4-28FVT.045-SS	4-28FVT.045-316SS	4-28FVT.045-NP	3/8	5/16	5/16
.050	4-28FVT.050	4-28FVT.050-SS	4-28FVT.050-316SS	4-28FVT.050-NP	3/8	5/16	5/16
1/16	4-28FVT1	4-28FVT1-SS	4-28FVT1-316SS	4-28FVT1-NP	3/8	5/16	3/8
5/64 / 2mm	4-28FVT2	4-28FVT2-SS	4-28FVT2-316SS	4-28FVT2-NP	3/8	5/16	3/8
3/32	4-28FVT2 1/2	4-28FVT2 1/2-SS	4-28FVT2 1/2-316SS	4-28FVT2 1/2-NP	3/8	5/16	3/8
1/8	4-28FVT3	4-28FVT3-SS	4-28FVT3-316SS	4-28FVT3-NP	3/8	5/16	15/32
5/32 / 4mm	4-28FVT3 1/2	4-28FVT3 1/2-SS	4-28FVT3 1/2-316SS	4-28FVT3 1/2-NP	3/8	5/16	15/32
.170	4-28FVT4	4-28FVT4-SS	4-28FVT4-316SS	4-28FVT4-NP	7/16	7/16	9/16
3/16	4-28FVT5	4-28FVT5-SS	4-28FVT5-316SS	4-28FVT5-NP	1/2	7/16	17/32
7/32	4-28FVT5 1/2	4-28FVT5 1/2-SS	4-28FVT5 1/2-316SS	4-28FVT5 1/2-NP	1/2	7/16	17/32
6mm	4-28FVT5 3/4	4-28FVT5 3/4-SS	4-28FVT5 3/4-316SS	4-28FVT5 3/4-NP	9/16	1/2	3/4
1/4	4-28FVT6	4-28FVT6-SS	4-28FVT6-316SS	4-28FVT6-NP	9/16	1/2	3/4

R

1/4-28 (4-28) Female Thread to Tube Custom Reducing Left-Hand V-Tees 505



Top View:
Left-hand Reducing V-Tees have the (smaller) Reducing Branch on the left.



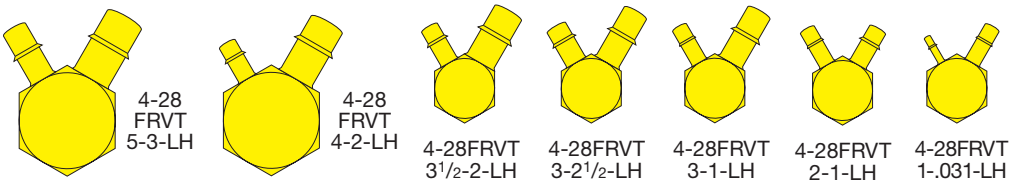
Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	3/8	5/16	5/16	5/16
.040 / 1mm	.040	3/8	5/16	5/16	5/16
3/64	.045	3/8	5/16	5/16	5/16
.050	.050	3/8	5/16	5/16	5/16
1/16	1	3/8	5/16	3/8	3/8
5/64 / 2mm	2	3/8	5/16	3/8	3/8
3/32	2 1/2	3/8	5/16	3/8	3/8

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/8	3	3/8	5/16	15/32	15/32
5/32 / 4mm	3 1/2	3/8	5/16	15/32	15/32
.170	4	7/16	7/16	9/16	9/16
3/16	5	1/2	7/16	17/32	17/32
7/32	5 1/2	1/2	7/16	17/32	17/32
6mm	5 3/4	9/16	1/2	3/4	3/4
1/4	6	9/16	1/2	3/4	3/4

Part Numbers for 1/4-28 (4-28) NPT Female Thread to Tube Reducing Left-Hand V-Tees:

Thread Size → **4-28** **FRVT** **#** **-** **#** **-** **LH** ← Left-Hand Indicator

Fitting Series ↑ ↑ Larger Branch # ↑ Smaller Branch #



1/4-20 (4-20) Female Thread fittings available! Consult factory for details!

Unless otherwise specified, parts will be Brass. To order other materials, use the following codes:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

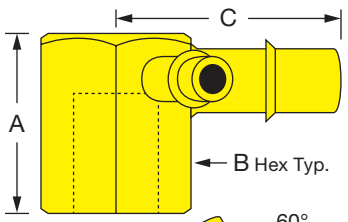
506 1/4-28 (4-28) Female Thread to Tube Custom Reducing Right-Hand V-Tees

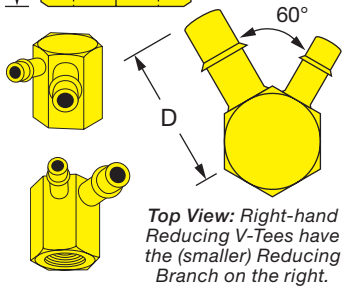
Branches		Dimensions (Reference)			
Tube ID	Branch #	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	3/8	5/16	5/16	5/16
.040 / 1mm	.040	3/8	5/16	5/16	5/16
3/64	.045	3/8	5/16	5/16	5/16
.050	.050	3/8	5/16	5/16	5/16

Branches		Dimensions (Reference)			
Tube ID	Branch #	A Ref.	B Typ.	C Ref.	D Ref.
1/16	1	3/8	5/16	3/8	3/8
5/64 / 2mm	2	3/8	5/16	3/8	3/8
3/32	2 1/2	3/8	5/16	3/8	3/8
1/8	3	3/8	5/16	15/32	15/32
5/32 / 4mm	3 1/2	3/8	5/16	15/32	15/32

Branches		Dimensions (Reference)			
Tube ID	Branch #	A Ref.	B Typ.	C Ref.	D Ref.
.170	4	7/16	7/16	9/16	9/16
3/16	5	1/2	7/16	17/32	17/32
7/32	5 1/2	1/2	7/16	17/32	17/32
6mm	5 3/4	9/16	1/2	3/4	3/4
1/4	6	9/16	1/2	3/4	3/4

Note: *.025 branch (1/50" tube ID) available upon request. Consult factory for details!*





Top View: *Right-hand Reducing V-Tees have the (smaller) Reducing Branch on the right.*

Part Numbers for 1/4-28 (4-28) NPT Female Thread to Tube Reducing Right-Hand V-Tees:

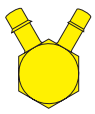
Thread Size → **4-28** **FRVT** **#** - **#** - **RH** ← Right-Hand Indicator

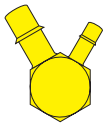
Fitting Series ↑ **FRVT**

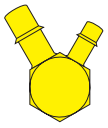
↑ Larger Branch # **#**

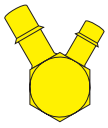
↑ Smaller Branch # **#**

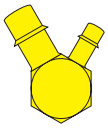
1/4-20 Female Threads also available! Consult factory for details!

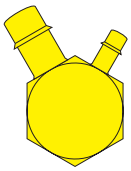

4-28FRVT 2-1-RH

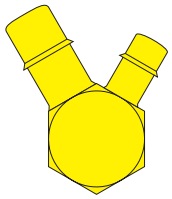

4-28FRVT 3-1-RH

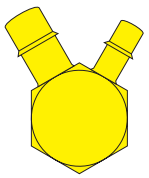

4-28FRVT 3-2-RH


4-28FRVT 3-2 1/2-RH


4-28FRVT 3 1/2-2-RH


4-28FRVT4-2-RH


4-28FRVT6-4-RH

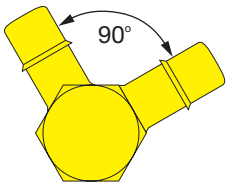

4-28 FRVT5-3-RH

R

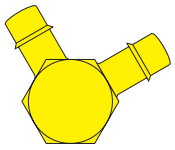
Unless otherwise specified, parts will be Brass. To order other materials, please add the following codes to the part number:

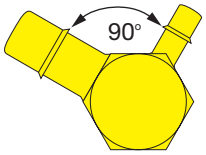
-SS = Stainless Steel 303 **-316SS** = Stainless Steel 316 **-NP** = Electroless Nickel Plate

1/4-28 Female Thread to Tube Custom 90° V-Tees and Reducing V-Tees available! Consult factory for details!

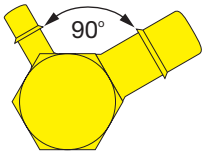


4-28FVT6-90°

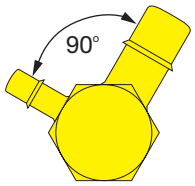

4-28FVT4-90°



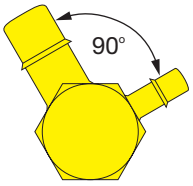
4-28FRVT3-6-90°-LH



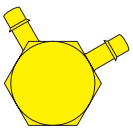
4-28FRVT3-6-90°-RH

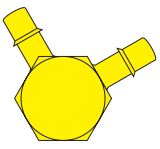


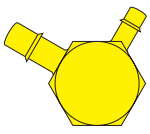
4-28FRVT 6-3-90°-LH

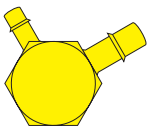


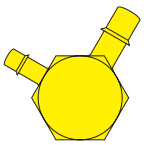
4-28FRVT 6-3-90°-RH

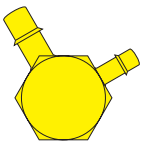

4-28FVT2-90°


4-28FVT3-90°

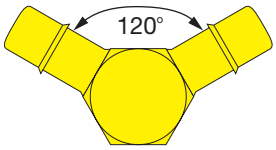

4-28FRVT2-3-90°-LH


4-28FRVT2-3-90°-RH

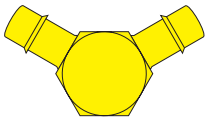

4-28 FRVT 3-2-90°-LH

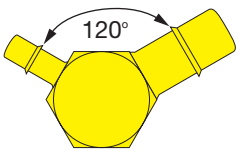

4-28 FRVT 3-2-90°-RH

1/4-28 Female Thread to Tube Custom 120° V-Tees and Reducing V-Tees available! Consult factory for details!

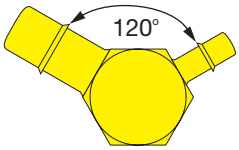


4-28FVT6-120°

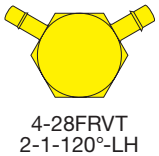

4-28FVT4-120°

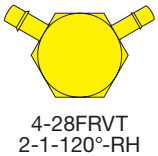


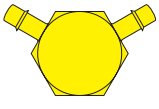
4-28FRVT6-3-120°-LH

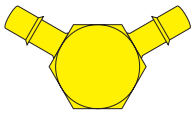


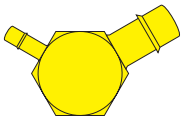
4-28FRVT6-3-120°-RH

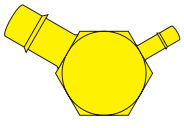

4-28FRVT 2-1-120°-LH


4-28FRVT 2-1-120°-RH


4-28FVT2-120°


4-28FVT3-120°


4-28FRVT4-1-120°-LH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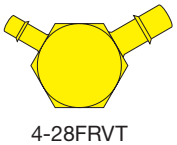
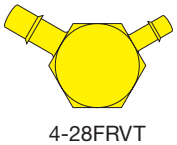
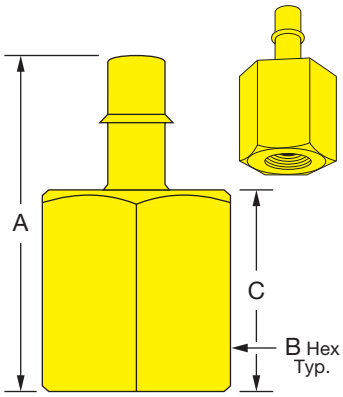
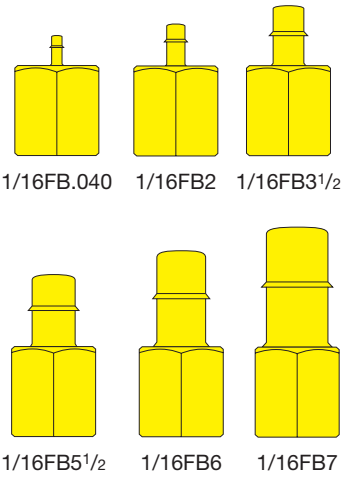

4-28FRVT 3-2-120°-LH


4-28FRVT 3-2-120°-RH

1/16 NPT Female Thread to Tube 507

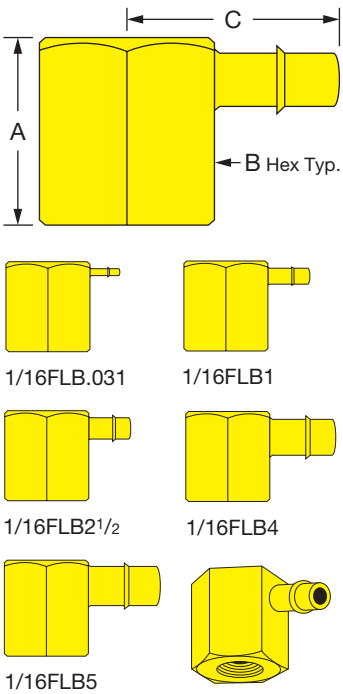




Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/16FB.031	1/16FB.031-SS	1/16FB.031-316SS	N/A	1/16FB.031-NP	5/8	7/16	15/32
.040 / 1mm	1/16FB.040	1/16FB.040-SS	1/16FB.040-316SS	N/A	1/16FB.040-NP	5/8	7/16	15/32
3/64	1/16FB.045	1/16FB.045-SS	1/16FB.045-316SS	N/A	1/16FB.045-NP	5/8	7/16	15/32
.050	1/16FB.050	1/16FB.050-SS	1/16FB.050-316SS	N/A	1/16FB.050-NP	5/8	7/16	15/32
1/16	1/16FB1	1/16FB1-SS	1/16FB1-316SS	1/16FB1-AL	1/16FB1-NP	11/16	7/16	15/32
5/64 / 2mm	1/16FB2	1/16FB2-SS	1/16FB2-316SS	1/16FB2-AL	1/16FB2-NP	11/16	7/16	15/32
3/32	1/16FB2 1/2	1/16FB2 1/2-SS	1/16FB2 1/2-316SS	1/16FB2 1/2-AL	1/16FB2 1/2-NP	11/16	7/16	15/32
1/8	1/16FB3	1/16FB3-SS	1/16FB3-316SS	1/16FB3-AL	1/16FB3-NP	25/32	7/16	15/32
5/32 / 4mm	1/16FB3 1/2	1/16FB3 1/2-SS	1/16FB3 1/2-316SS	1/16FB3 1/2-AL	1/16FB3 1/2-NP	25/32	7/16	15/32
.170	1/16FB4	1/16FB4-SS	1/16FB4-316SS	1/16FB4-AL	1/16FB4-NP	13/16	7/16	15/32
3/16	1/16FB5	1/16FB5-SS	1/16FB5-316SS	1/16FB5-AL	1/16FB5-NP	27/32	7/16	15/32
7/32	1/16FB5 1/2	1/16FB5 1/2-SS	1/16FB5 1/2-316SS	1/16FB5 1/2-AL	1/16FB5 1/2-NP	27/32	7/16	15/32
6mm	1/16FB5 3/4	1/16FB5 3/4-SS	1/16FB5 3/4-316SS	1/16FB5 3/4-AL	1/16FB5 3/4-NP	31/32	7/16	15/32
1/4	1/16FB6	1/16FB6-SS	1/16FB6-316SS	1/16FB6-AL	1/16FB6-NP	31/32	7/16	15/32
5/16 / 8mm	1/16FB7	1/16FB7-SS	1/16FB7-316SS	1/16FB7-AL	1/16FB7-NP	1 3/32	7/16	15/32
3/8	1/16FB8	1/16FB8-SS	1/16FB8-316SS	1/16FB8-AL	1/16FB8-NP	1	7/16	15/32

Note: *Images are for visual representation only; not intended for dimensional measurements. Dimensions may vary at time of manufacturing.*

1/16 NPT Female Thread to Tube Elbows 508

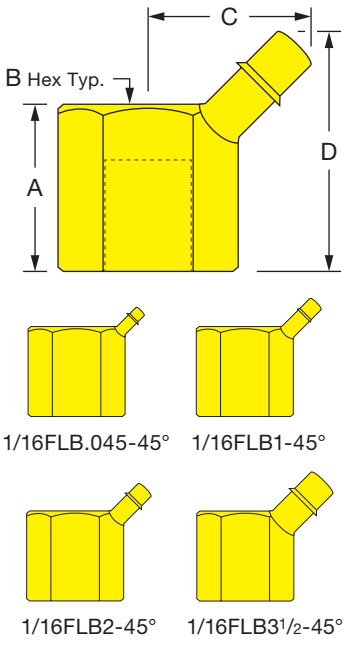


Other branch sizes available! Consult factory for details!

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/16FLB.031	1/16FLB.031-SS	1/16FLB.031-316SS	1/16FLB.031-NP	15/32	7/16	3/8
.040 / 1mm	1/16FLB.040	1/16FLB.040-SS	1/16FLB.040-316SS	1/16FLB.040-NP	15/32	7/16	3/8
3/64	1/16FLB.045	1/16FLB.045-SS	1/16FLB.045-316SS	1/16FLB.045-NP	15/32	7/16	3/8
.050	1/16FLB.050	1/16FLB.050-SS	1/16FLB.050-316SS	1/16FLB.050-NP	15/32	7/16	3/8
1/16	1/16FLB1	1/16FLB1-SS	1/16FLB1-316SS	1/16FLB1-NP	15/32	7/16	7/16
5/64 / 2mm	1/16FLB2	1/16FLB2-SS	1/16FLB2-316SS	1/16FLB2-NP	15/32	7/16	7/16
3/32	1/16FLB2 1/2	1/16FLB2 1/2-SS	1/16FLB2 1/2-316SS	1/16FLB2 1/2-NP	15/32	7/16	7/16
1/8	1/16FLB3	1/16FLB3-SS	1/16FLB3-316SS	1/16FLB3-NP	15/32	7/16	17/32
5/32 / 4mm	1/16FLB3 1/2	1/16FLB3 1/2-SS	1/16FLB3 1/2-316SS	1/16FLB3 1/2-NP	15/32	7/16	17/32
.170	1/16FLB4	1/16FLB4-SS	1/16FLB4-316SS	1/16FLB4-NP	15/32	7/16	9/16
3/16	1/16FLB5	1/16FLB5-SS	1/16FLB5-316SS	1/16FLB5-NP	1/2	7/16	19/32
7/32	1/16FLB5 1/2	1/16FLB5 1/2-SS	1/16FLB5 1/2-316SS	1/16FLB5 1/2-NP	1/2	7/16	19/32
6mm	1/16FLB5 3/4	1/16FLB5 3/4-SS	1/16FLB5 3/4-316SS	1/16FLB5 3/4-NP	9/16	7/16	23/32
1/4	1/16FLB6	1/16FLB6-SS	1/16FLB6-316SS	1/16FLB6-NP	9/16	7/16	23/32

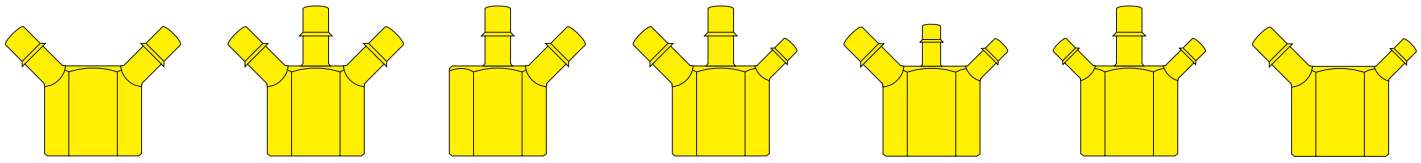
509 — 1/16 NPT Female Thread to Tube 45° Elbows

Tube ID	Part Numbers				Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/32	1/16FLB.031-45°	1/16FLB.031-45°-SS	1/16FLB.031-45°-316SS	1/16FLB.031-45°-NP	15/32	7/16	Consult Factory	Consult Factory
.040 / 1mm	1/16FLB.040-45°	1/16FLB.040-45°-SS	1/16FLB.040-45°-316SS	1/16FLB.040-45°-NP	15/32	7/16		
3/64	1/16FLB.045-45°	1/16FLB.045-45°-SS	1/16FLB.045-45°-316SS	1/16FLB.045-45°-NP	15/32	7/16		
.050	1/16FLB.050-45°	1/16FLB.050-45°-SS	1/16FLB.050-45°-316SS	1/16FLB.050-45°-NP	15/32	7/16		
1/16	1/16FLB1-45°	1/16FLB1-45°-SS	1/16FLB1-45°-316SS	1/16FLB1-45°-NP	15/32	7/16		
5/64 / 2mm	1/16FLB2-45°	1/16FLB2-45°-SS	1/16FLB2-45°-316SS	1/16FLB2-45°-NP	15/32	7/16		
3/32	1/16FLB2 1/2-45°	1/16FLB2 1/2-45°-SS	1/16FLB2 1/2-45°-316SS	1/16FLB2 1/2-45°-NP	15/32	7/16		
1/8	1/16FLB3-45°	1/16FLB3-45°-SS	1/16FLB3-45°-316SS	1/16FLB3-45°-NP	15/32	7/16		
5/32 / 4mm	1/16FLB3 1/2-45°	1/16FLB3 1/2-45°-SS	1/16FLB3 1/2-45°-316SS	1/16FLB3 1/2-45°-NP	15/32	7/16		
.170	1/16FLB4-45°	1/16FLB4-45°-SS	1/16FLB4-45°-316SS	1/16FLB4-45°-NP	15/32	7/16		



Note: for systems that do not allow the degree symbol (°), substitute 'DEG' in the part number.

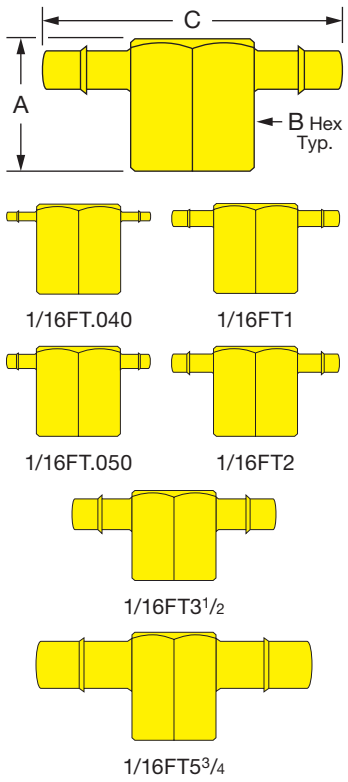
Custom 1/16 Female Thread to Tube Fittings available! Lead times apply! Consult factory for details!



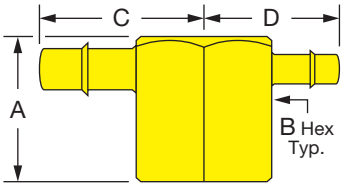
S

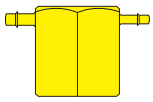
510 — 1/16 NPT Female Thread to Tube Tees

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/16FT.031	1/16FT.031-SS	1/16FT.031-316SS	1/16FT.031-NP	15/32	7/16	3/4
.040 / 1mm	1/16FT.040	1/16FT.040-SS	1/16FT.040-316SS	1/16FT.040-NP	15/32	7/16	3/4
3/64	1/16FT.045	1/16FT.045-SS	1/16FT.045-316SS	1/16FT.045-NP	15/32	7/16	3/4
.050	1/16FT.050	1/16FT.050-SS	1/16FT.050-316SS	1/16FT.050-NP	15/32	7/16	3/4
1/16	1/16FT1	1/16FT1-SS	1/16FT1-316SS	1/16FT1-NP	15/32	7/16	7/8
5/64 / 2mm	1/16FT2	1/16FT2-SS	1/16FT2-316SS	1/16FT2-NP	15/32	7/16	7/8
3/32	1/16FT2 1/2	1/16FT2 1/2-SS	1/16FT2 1/2-316SS	1/16FT2 1/2-NP	15/32	7/16	7/8
1/8	1/16FT3	1/16FT3-SS	1/16FT3-316SS	1/16FT3-NP	15/32	7/16	1 1/16
5/32 / 4mm	1/16FT3 1/2	1/16FT3 1/2-SS	1/16FT3 1/2-316SS	1/16FT3 1/2-NP	15/32	7/16	1 1/16
.170	1/16FT4	1/16FT4-SS	1/16FT4-316SS	1/16FT4-NP	15/32	7/16	1 3/32
3/16	1/16FT5	1/16FT5-SS	1/16FT5-316SS	1/16FT5-NP	1/2	7/16	1 3/16
7/32	1/16FT5 1/2	1/16FT5 1/2-SS	1/16FT5 1/2-316SS	1/16FT5 1/2-NP	1/2	7/16	1 3/16
6mm	1/16FT5 3/4	1/16FT5 3/4-SS	1/16FT5 3/4-316SS	1/16FT5 3/4-NP	9/16	7/16	1 7/16
1/4	1/16FT6	1/16FT6-SS	1/16FT6-316SS	1/16FT6-NP	9/16	7/16	1 7/16



1/16 NPT Female Thread to Tube Reducing Tees 511

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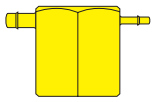
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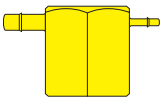
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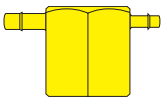
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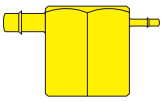
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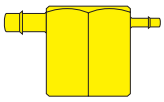
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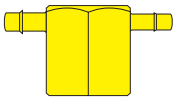
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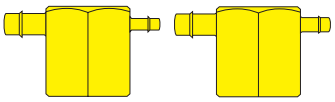
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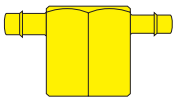
1/16FRT 2½-.050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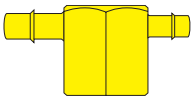
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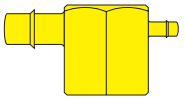
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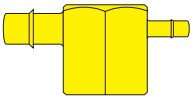
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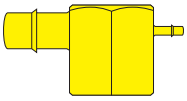
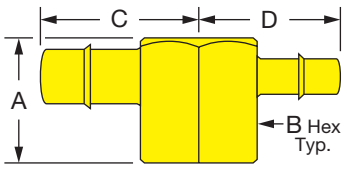

1/16FRT4-.040

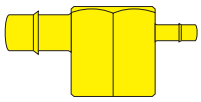
Continued on next page.

Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
.040 / 1mm	1/32	1/16FRT.040-.031	1/16FRT.040-.031-SS	1/16FRT.040-.031-316SS	1/16FRT.040-.031-NP	15/32	7/16	3/8	3/8
3/64	1/32	1/16FRT.045-.031	1/16FRT.045-.031-SS	1/16FRT.045-.031-316SS	1/16FRT.045-.031-NP	15/32	7/16	3/8	3/8
3/64	.040 / 1mm	1/16FRT.045-.040	1/16FRT.045-.040-SS	1/16FRT.045-.040-316SS	1/16FRT.045-.040-NP	15/32	7/16	3/8	3/8
.050	1/32	1/16FRT.050-.031	1/16FRT.050-.031-SS	1/16FRT.050-.031-316SS	1/16FRT.050-.031-NP	15/32	7/16	3/8	3/8
.050	.040 / 1mm	1/16FRT.050-.040	1/16FRT.050-.040-SS	1/16FRT.050-.040-316SS	1/16FRT.050-.040-NP	15/32	7/16	3/8	3/8
.050	1/64	1/16FRT.050-.045	1/16FRT.050-.045-SS	1/16FRT.050-.045-316SS	1/16FRT.050-.045-NP	15/32	7/16	3/8	3/8
1/16	1/32	1/16FRT1-.031	1/16FRT1-.031-SS	1/16FRT1-.031-316SS	1/16FRT1-.031-NP	15/32	7/16	7/16	3/8
1/16	.040 / 1mm	1/16FRT1-.040	1/16FRT1-.040-SS	1/16FRT1-.040-316SS	1/16FRT1-.040-NP	15/32	7/16	7/16	3/8
1/16	3/64	1/16FRT1-.045	1/16FRT1-.045-SS	1/16FRT1-.045-316SS	1/16FRT1-.045-NP	15/32	7/16	7/16	3/8
1/16	.050	1/16FRT1-.050	1/16FRT1-.050-SS	1/16FRT1-.050-316SS	1/16FRT1-.050-NP	15/32	7/16	7/16	3/8
5/64 / 2mm	1/32	1/16FRT2-.031	1/16FRT2-.031-SS	1/16FRT2-.031-316SS	1/16FRT2-.031-NP	15/32	7/16	7/16	3/8
5/64 / 2mm	.040 / 1mm	1/16FRT2-.040	1/16FRT2-.040-SS	1/16FRT2-.040-316SS	1/16FRT2-.040-NP	15/32	7/16	7/16	3/8
5/64 / 2mm	3/64	1/16FRT2-.045	1/16FRT2-.045-SS	1/16FRT2-.045-316SS	1/16FRT2-.045-NP	15/32	7/16	7/16	3/8
5/64 / 2mm	.050	1/16FRT2-.050	1/16FRT2-.050-SS	1/16FRT2-.050-316SS	1/16FRT2-.050-NP	15/32	7/16	7/16	3/8
5/64 / 2mm	1/16	1/16FRT2-1	1/16FRT2-1-SS	1/16FRT2-1-316SS	1/16FRT2-1-NP	15/32	7/16	7/16	7/16
3/32	1/32	1/16FRT2½-.031	1/16FRT2½-.031-SS	1/16FRT2½-.031-316SS	1/16FRT2½-.031-NP	15/32	7/16	7/16	3/8
3/32	.040 / 1mm	1/16FRT2½-.040	1/16FRT2½-.040-SS	1/16FRT2½-.040-316SS	1/16FRT2½-.040-NP	15/32	7/16	7/16	3/8
3/32	3/64	1/16FRT2½-.045	1/16FRT2½-.045-SS	1/16FRT2½-.045-316SS	1/16FRT2½-.045-NP	15/32	7/16	7/16	3/8
3/32	.050	1/16FRT2½-.050	1/16FRT2½-.050-SS	1/16FRT2½-.050-316SS	1/16FRT2½-.050-NP	15/32	7/16	7/16	3/8
3/32	1/16	1/16FRT2½-1	1/16FRT2½-1-SS	1/16FRT2½-1-316SS	1/16FRT2½-1-NP	15/32	7/16	7/16	7/16
3/32	5/64 / 2mm	1/16FRT2½-2	1/16FRT2½-2-SS	1/16FRT2½-2-316SS	1/16FRT2½-2-NP	15/32	7/16	7/16	7/16
1/8	1/32	1/16FRT3-.031	1/16FRT3-.031-SS	1/16FRT3-.031-316SS	1/16FRT3-.031-NP	15/32	7/16	17/32	3/8
1/8	.040 / 1mm	1/16FRT3-.040	1/16FRT3-.040-SS	1/16FRT3-.040-316SS	1/16FRT3-.040-NP	15/32	7/16	17/32	3/8
1/8	3/64	1/16FRT3-.045	1/16FRT3-.045-SS	1/16FRT3-.045-316SS	1/16FRT3-.045-NP	15/32	7/16	17/32	3/8
1/8	.050	1/16FRT3-.050	1/16FRT3-.050-SS	1/16FRT3-.050-316SS	1/16FRT3-.050-NP	15/32	7/16	17/32	3/8
1/8	1/16	1/16FRT3-1	1/16FRT3-1-SS	1/16FRT3-1-316SS	1/16FRT3-1-NP	15/32	7/16	17/32	7/16
1/8	5/64 / 2mm	1/16FRT3-2	1/16FRT3-2-SS	1/16FRT3-2-316SS	1/16FRT3-2-NP	15/32	7/16	17/32	7/16
1/8	3/32	1/16FRT3-2½	1/16FRT3-2½-SS	1/16FRT3-2½-316SS	1/16FRT3-2½-NP	15/32	7/16	17/32	7/16
5/32 / 4mm	1/32	1/16FRT3½-.031	1/16FRT3½-.031-SS	1/16FRT3½-.031-316SS	1/16FRT3½-.031-NP	15/32	7/16	17/32	3/8
5/32 / 4mm	.040 / 1mm	1/16FRT3½-.040	1/16FRT3½-.040-SS	1/16FRT3½-.040-316SS	1/16FRT3½-.040-NP	15/32	7/16	17/32	3/8
5/32 / 4mm	3/64	1/16FRT3½-.045	1/16FRT3½-.045-SS	1/16FRT3½-.045-316SS	1/16FRT3½-.045-NP	15/32	7/16	17/32	3/8
5/32 / 4mm	.050	1/16FRT3½-.050	1/16FRT3½-.050-SS	1/16FRT3½-.050-316SS	1/16FRT3½-.050-NP	15/32	7/16	17/32	3/8
5/32 / 4mm	1/16	1/16FRT3½-1	1/16FRT3½-1-SS	1/16FRT3½-1-316SS	1/16FRT3½-1-NP	15/32	7/16	17/32	7/16
5/32 / 4mm	5/64 / 2mm	1/16FRT3½-2	1/16FRT3½-2-SS	1/16FRT3½-2-316SS	1/16FRT3½-2-NP	15/32	7/16	17/32	7/16
5/32 / 4mm	3/32	1/16FRT3½-2½	1/16FRT3½-2½-SS	1/16FRT3½-2½-316SS	1/16FRT3½-2½-NP	15/32	7/16	17/32	7/16
5/32 / 4mm	1/8	1/16FRT3½-3	1/16FRT3½-3-SS	1/16FRT3½-3-316SS	1/16FRT3½-3-NP	15/32	7/16	17/32	17/32
.170	1/32	1/16FRT4-.031	1/16FRT4-.031-SS	1/16FRT4-.031-316SS	1/16FRT4-.031-NP	15/32	7/16	9/16	3/8
.170	.040 / 1mm	1/16FRT4-.040	1/16FRT4-.040-SS	1/16FRT4-.040-316SS	1/16FRT4-.040-NP	15/32	7/16	9/16	3/8
.170	3/64	1/16FRT4-.045	1/16FRT4-.045-SS	1/16FRT4-.045-316SS	1/16FRT4-.045-NP	15/32	7/16	9/16	3/8
.170	.050	1/16FRT4-.050	1/16FRT4-.050-SS	1/16FRT4-.050-316SS	1/16FRT4-.050-NP	15/32	7/16	9/16	3/8

512 1/16 NPT Female Thread to Tube Reducing Tees (continued)

Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
.170	1/16	1/16FRT4-1	1/16FRT4-1-SS	1/16FRT4-1-316SS	1/16FRT4-1-NP	15/32	7/16	9/16	7/16
.170	5/64 / 2mm	1/16FRT4-2	1/16FRT4-2-SS	1/16FRT4-2-316SS	1/16FRT4-2-NP	15/32	7/16	9/16	7/16
.170	3/32	1/16FRT4-2 1/2	1/16FRT4-2 1/2-SS	1/16FRT4-2 1/2-316SS	1/16FRT4-2 1/2-NP	15/32	7/16	9/16	7/16
.170	1/8	1/16FRT4-3	1/16FRT4-3-SS	1/16FRT4-3-316SS	1/16FRT4-3-NP	15/32	7/16	9/16	17/32
.170	5/32 / 4mm	1/16FRT4-3 1/2	1/16FRT4-3 1/2-SS	1/16FRT4-3 1/2-316SS	1/16FRT4-3 1/2-NP	15/32	7/16	9/16	17/32
3/16	1/32	1/16FRT5-.031	1/16FRT5-.031-SS	1/16FRT5-.031-316SS	1/16FRT5-.031-NP	1/2	7/16	19/32	3/8
3/16	.040 / 1mm	1/16FRT5-.040	1/16FRT5-.040-SS	1/16FRT5-.040-316SS	1/16FRT5-.040-NP	1/2	7/16	19/32	3/8
3/16	3/64	1/16FRT5-.045	1/16FRT5-.045-SS	1/16FRT5-.045-316SS	1/16FRT5-.045-NP	1/2	7/16	19/32	3/8
3/16	.050	1/16FRT5-.050	1/16FRT5-.050-SS	1/16FRT5-.050-316SS	1/16FRT5-.050-NP	1/2	7/16	19/32	3/8
3/16	1/16	1/16FRT5-1	1/16FRT5-1-SS	1/16FRT5-1-316SS	1/16FRT5-1-NP	1/2	7/16	19/32	7/16
3/16	5/64 / 2mm	1/16FRT5-2	1/16FRT5-2-SS	1/16FRT5-2-316SS	1/16FRT5-2-NP	1/2	7/16	19/32	7/16
3/16	3/32	1/16FRT5-2 1/2	1/16FRT5-2 1/2-SS	1/16FRT5-2 1/2-316SS	1/16FRT5-2 1/2-NP	1/2	7/16	19/32	7/16
3/16	1/8	1/16FRT5-3	1/16FRT5-3-SS	1/16FRT5-3-316SS	1/16FRT5-3-NP	1/2	7/16	19/32	17/32
3/16	5/32 / 4mm	1/16FRT5-3 1/2	1/16FRT5-3 1/2-SS	1/16FRT5-3 1/2-316SS	1/16FRT5-3 1/2-NP	1/2	7/16	19/32	17/32
3/16	.170	1/16FRT5-4	1/16FRT5-4-SS	1/16FRT5-4-316SS	1/16FRT5-4-NP	1/2	7/16	19/32	9/16
7/32	1/16	1/16FRT5 1/2-1	1/16FRT5 1/2-1-SS	1/16FRT5 1/2-1-316SS	1/16FRT5 1/2-1-NP	1/2	7/16	19/32	7/16
7/32	5/64 / 2mm	1/16FRT5 1/2-2	1/16FRT5 1/2-2-SS	1/16FRT5 1/2-2-316SS	1/16FRT5 1/2-2-NP	1/2	7/16	19/32	7/16
7/32	3/32	1/16FRT5 1/2-2 1/2	1/16FRT5 1/2-2 1/2-SS	1/16FRT5 1/2-2 1/2-316SS	1/16FRT5 1/2-2 1/2-NP	1/2	7/16	19/32	7/16
7/32	1/8	1/16FRT5 1/2-3	1/16FRT5 1/2-3-SS	1/16FRT5 1/2-3-316SS	1/16FRT5 1/2-3-NP	1/2	7/16	19/32	17/32
7/32	5/32 / 4mm	1/16FRT5 1/2-3 1/2	1/16FRT5 1/2-3 1/2-SS	1/16FRT5 1/2-3 1/2-316SS	1/16FRT5 1/2-3 1/2-NP	1/2	7/16	19/32	17/32
7/32	.170	1/16FRT5 1/2-4	1/16FRT5 1/2-4-SS	1/16FRT5 1/2-4-316SS	1/16FRT5 1/2-4-NP	1/2	7/16	19/32	17/32
7/32	3/16	1/16FRT5 1/2-5	1/16FRT5 1/2-5-SS	1/16FRT5 1/2-5-316SS	1/16FRT5 1/2-5-NP	1/2	7/16	19/32	19/32
6mm	1/16	1/16FRT5 3/4-1	1/16FRT5 3/4-1-SS	1/16FRT5 3/4-1-316SS	1/16FRT5 3/4-1-NP	9/16	7/16	23/32	23/32
6mm	5/64 / 2mm	1/16FRT5 3/4-2	1/16FRT5 3/4-2-SS	1/16FRT5 3/4-2-316SS	1/16FRT5 3/4-2-NP	9/16	7/16	23/32	23/32
6mm	3/32	1/16FRT5 3/4-2 1/2	1/16FRT5 3/4-2 1/2-SS	1/16FRT5 3/4-2 1/2-316SS	1/16FRT5 3/4-2 1/2-NP	9/16	7/16	23/32	23/32
6mm	1/8	1/16FRT5 3/4-3	1/16FRT5 3/4-3-SS	1/16FRT5 3/4-3-316SS	1/16FRT5 3/4-3-NP	9/16	7/16	23/32	23/32
6mm	5/32 / 4mm	1/16FRT5 3/4-3 1/2	1/16FRT5 3/4-3 1/2-SS	1/16FRT5 3/4-3 1/2-316SS	1/16FRT5 3/4-3 1/2-NP	9/16	7/16	23/32	23/32
6mm	.170	1/16FRT5 3/4-4	1/16FRT5 3/4-4-SS	1/16FRT5 3/4-4-316SS	1/16FRT5 3/4-4-NP	9/16	7/16	23/32	23/32
6mm	3/16	1/16FRT5 3/4-5	1/16FRT5 3/4-5-SS	1/16FRT5 3/4-5-316SS	1/16FRT5 3/4-5-NP	9/16	7/16	23/32	23/32
6mm	7/32	1/16FRT5 3/4-5 1/2	1/16FRT5 3/4-5 1/2-SS	1/16FRT5 3/4-5 1/2-316SS	1/16FRT5 3/4-5 1/2-NP	9/16	7/16	23/32	23/32
1/4	1/16	1/16FRT6-1	1/16FRT6-1-SS	1/16FRT6-1-316SS	1/16FRT6-1-NP	9/16	7/16	23/32	23/32
1/4	5/64 / 2mm	1/16FRT6-2	1/16FRT6-2-SS	1/16FRT6-2-316SS	1/16FRT6-2-NP	9/16	7/16	23/32	23/32
1/4	3/32	1/16FRT6-2 1/2	1/16FRT6-2 1/2-SS	1/16FRT6-2 1/2-316SS	1/16FRT6-2 1/2-NP	9/16	7/16	23/32	23/32
1/4	1/8	1/16FRT6-3	1/16FRT6-3-SS	1/16FRT6-3-316SS	1/16FRT6-3-NP	9/16	7/16	23/32	23/32
1/4	5/32 / 4mm	1/16FRT6-3 1/2	1/16FRT6-3 1/2-SS	1/16FRT6-3 1/2-316SS	1/16FRT6-3 1/2-NP	9/16	7/16	23/32	23/32
1/4	.170	1/16FRT6-4	1/16FRT6-4-SS	1/16FRT6-4-316SS	1/16FRT6-4-NP	9/16	7/16	23/32	23/32
1/4	3/16	1/16FRT6-5	1/16FRT6-5-SS	1/16FRT6-5-316SS	1/16FRT6-5-NP	9/16	7/16	23/32	23/32
1/4	7/32	1/16FRT6-5 1/2	1/16FRT6-5 1/2-SS	1/16FRT6-5 1/2-316SS	1/16FRT6-5 1/2-NP	9/16	7/16	23/32	23/32
1/4	6mm	1/16FRT6-5 3/4	1/16FRT6-5 3/4-SS	1/16FRT6-5 3/4-316SS	1/16FRT6-5 3/4-NP	9/16	7/16	23/32	23/32

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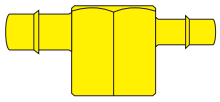
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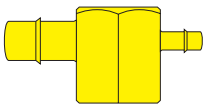
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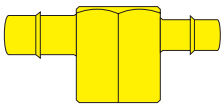
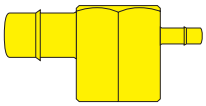
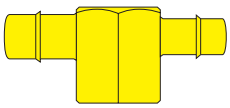
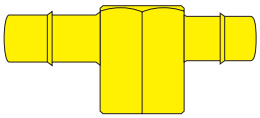
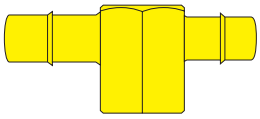
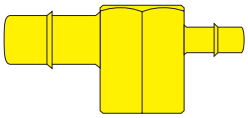

1/16FRT5-3 1/2

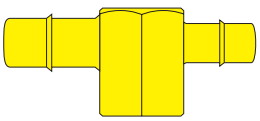

1/16FRT5 1/2-1


1/16FRT5 1/2-4


1/16FRT5 3/4-5 1/2


1/16FRT5 3/4-5 1/2

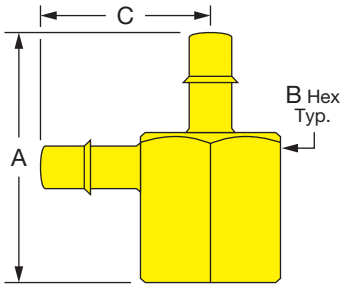

1/16FRT6-3

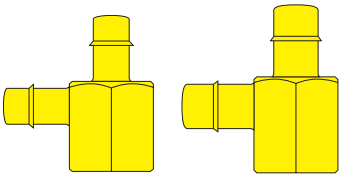

1/16FRT6-5

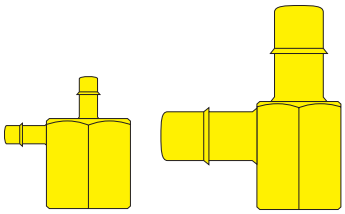
Note:
Dimensions may vary at time of manufacturing.

S

1/16 NPT Female Thread to Tube L-Tees 513



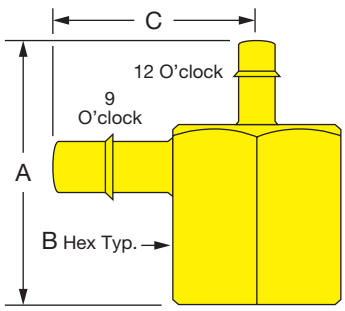

1/16FLT4 1/16FLT5½

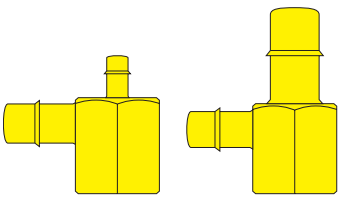

1/16FLT2 1/16FLT6

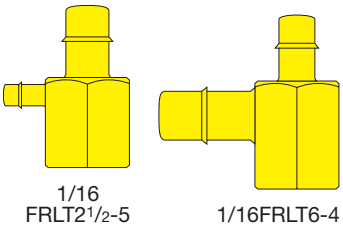
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Typ.
1/32	1/16FLT.031	1/16FLT.031-SS	1/16FLT.031-316SS	1/16FLT.031-NP	5/8	7/16	3/8
.040 / 1mm	1/16FLT.040	1/16FLT.040-SS	1/16FLT.040-316SS	1/16FLT.040-NP	5/8	7/16	3/8
3/64	1/16FLT.045	1/16FLT.045-SS	1/16FLT.045-316SS	1/16FLT.045-NP	5/8	7/16	3/8
.050	1/16FLT.050	1/16FLT.050-SS	1/16FLT.050-316SS	1/16FLT.050-NP	5/8	7/16	3/8
1/16	1/16FLT1	1/16FLT1-SS	1/16FLT1-316SS	1/16FLT1-NP	11/16	7/16	7/16
5/64 / 2mm	1/16FLT2	1/16FLT2-SS	1/16FLT2-316SS	1/16FLT2-NP	11/16	7/16	7/16
3/32	1/16FLT2½	1/16FLT2½-SS	1/16FLT2½-316SS	1/16FLT2½-NP	11/16	7/16	7/16
1/8	1/16FLT3	1/16FLT3-SS	1/16FLT3-316SS	1/16FLT3-NP	25/32	7/16	17/32
5/32 / 4mm	1/16FLT3½	1/16FLT3½-SS	1/16FLT3½-316SS	1/16FLT3½-NP	25/32	7/16	17/32
.170	1/16FLT4	1/16FLT4-SS	1/16FLT4-316SS	1/16FLT4-NP	13/16	7/16	9/16
3/16	1/16FLT5	1/16FLT5-SS	1/16FLT5-316SS	1/16FLT5-NP	7/8	7/16	19/32
7/32	1/16FLT5½	1/16FLT5½-SS	1/16FLT5½-316SS	1/16FLT5½-NP	7/8	7/16	19/32
6mm	1/16FLT5¾	1/16FLT5¾-SS	1/16FLT5¾-316SS	1/16FLT5¾-NP	1 1/16	7/16	23/32
1/4	1/16FLT6	1/16FLT6-SS	1/16FLT6-316SS	1/16FLT6-NP	1 1/16	7/16	23/32

S

1/16 NPT Female Thread to Tube Reducing L-Tees 514




1/16FLB5-2½ 1/16FRLT4-6


1/16 FRLT2½-5 1/16FRLT6-4

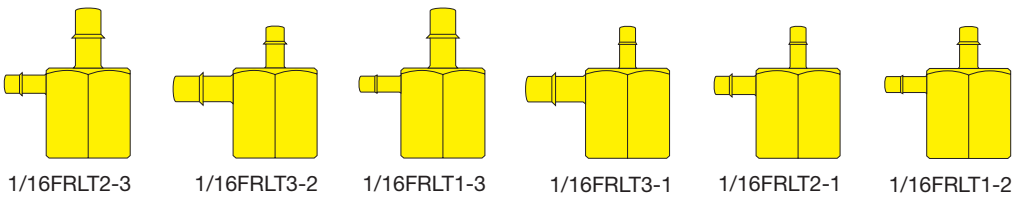
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/32	.031	Consult Factory	7/16	3/8
.040 / 1mm	.040		7/16	3/8
3/64	.045		7/16	3/8
.050	.050		7/16	3/8
1/16	1		7/16	7/16
5/64 / 2mm	2		7/16	7/16
3/32	2½		7/16	7/16

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/8	3	Consult Factory	7/16	17/32
5/32 / 4mm	3½		7/16	17/32
.170	4		7/16	9/16
3/16	5		7/16	19/32
7/32	5½		7/16	19/32
6mm	5¾		7/16	23/32
1/4	6		7/16	23/32

Part Numbers for 1/16 NPT Female Thread to Tube Reducing L-Tees:

Thread Size → 1/16 FRLT # - # ← 12 O'clock Branch #

Fitting Series ↑ 9 O'clock Branch # ↑

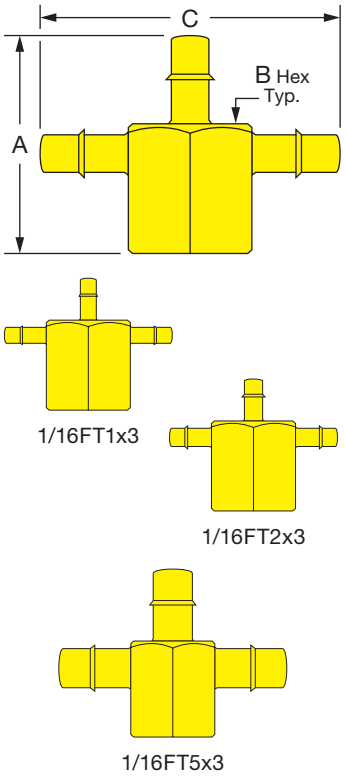

1/16FRLT2-3 1/16FRLT3-2 1/16FRLT1-3 1/16FRLT3-1 1/16FRLT2-1 1/16FRLT1-2

Note:
Images are for visual representation only.
Dimensions may vary at time of manufacturing.

Unless otherwise specified, parts will be Brass. To order other materials, use the following codes:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

515 — 1/16 NPT Female Thread to Tube Tees x 3

Tube ID	Part Numbers: Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	Dimensions (Reference): A Ref.	B Typ.	C Ref.
1/32	1/16FT.031x3	1/16FT.031x3-SS	1/16FT.031x3-316SS	1/16FT.031x3-NP	5/8	7/16	3/4
.040 / 1mm	1/16FT.040x3	1/16FT.040x3-SS	1/16FT.040x3-316SS	1/16FT.040x3-NP	5/8	7/16	3/4
3/64	1/16FT.045x3	1/16FT.045x3-SS	1/16FT.045x3-316SS	1/16FT.045x3-NP	5/8	7/16	3/4
.050	1/16FT.050x3	1/16FT.050x3-SS	1/16FT.050x3-316SS	1/16FT.050x3-NP	5/8	7/16	3/4
1/16	1/16FT1x3	1/16FT1x3-SS	1/16FT1x3-316SS	1/16FT1x3-NP	11/16	7/16	7/8
5/64 / 2mm	1/16FT2x3	1/16FT2x3-SS	1/16FT2x3-316SS	1/16FT2x3-NP	11/16	7/16	7/8
3/32	1/16FT2 1/2x3	1/16FT2 1/2x3-SS	1/16FT2 1/2x3-316SS	1/16FT2 1/2x3-NP	11/16	7/16	7/8
1/8	1/16FT3x3	1/16FT3x3-SS	1/16FT3x3-316SS	1/16FT3x3-NP	25/32	7/16	1 1/16
5/32 / 4mm	1/16FT3 1/2x3	1/16FT3 1/2x3-SS	1/16FT3 1/2x3-316SS	1/16FT3 1/2x3-NP	25/32	7/16	1 1/16
.170	1/16FT4x3	1/16FT4x3-SS	1/16FT4x3-316SS	1/16FT4x3-NP	13/16	7/16	1 3/32
3/16	1/16FT5x3	1/16FT5x3-SS	1/16FT5x3-316SS	1/16FT5x3-NP	7/8	7/16	1 3/16
7/32	1/16FT5 1/2x3	1/16FT5 1/2x3-SS	1/16FT5 1/2x3-316SS	1/16FT5 1/2x3-NP	7/8	7/16	1 3/16
6mm	1/16FT5 3/4x3	1/16FT5 3/4x3-SS	1/16FT5 3/4x3-316SS	1/16FT5 3/4x3-NP	1 1/16	7/16	1 7/16
1/4	1/16FT6x3	1/16FT6x3-SS	1/16FT6x3-316SS	1/16FT6x3-NP	1 1/16	7/16	1 7/16

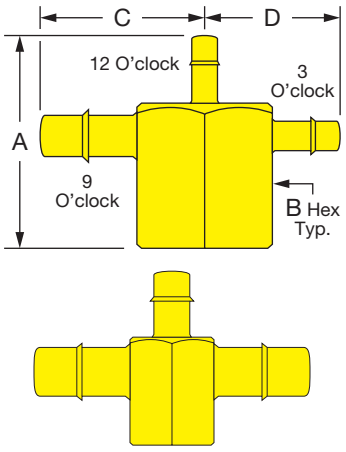


S

516 — 1/16 NPT Female Thread to Tube Reducing Tees x 3

Branches: Tube ID	Branch Number	Dimensions (Reference): A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	Consult Factory	7/16	3/8	3/8
.040 / 1mm	.040		7/16	3/8	3/8
3/64	.045		7/16	3/8	3/8
.050	.050		7/16	3/8	3/8
1/16	1		7/16	7/16	7/16
5/64 / 2mm	2		7/16	7/16	7/16
3/32	2 1/2		7/16	7/16	7/16

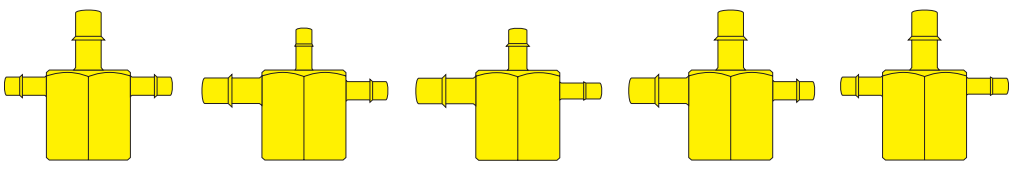
Branches: Tube ID	Branch Number	Dimensions (Reference): A Ref.	B Typ.	C Ref.	D Ref.
1/8	3	Consult Factory	7/16	17/32	17/32
5/32 / 4mm	3 1/2		7/16	17/32	17/32
.170	4		7/16	9/16	9/16
3/16	5		7/16	19/32	19/32
7/32	5 1/2		7/16	19/32	19/32
6mm	5 3/4		7/16	3/4	23/32
1/4	6		7/16	3/4	23/32



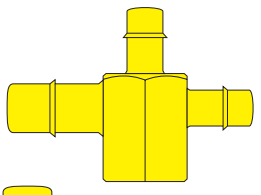
1/16FRT6-4-6

Part Numbers for 1/16 NPT Female Thread to Tube Reducing Tees x 3:

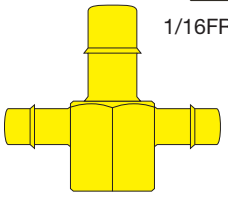
Thread Size → 1/16 (Fitting Series) FRT # - (9 O'clock Branch #) # - (12 O'clock Branch #) # (3 O'clock Branch #)



1/16FRT2-3-2 | 1/16FRT3-1-2 | 1/16FRT3-2-1 | 1/16FRT3-3-2 | 1/16FRT2-3-1



1/16FRT6-4-4

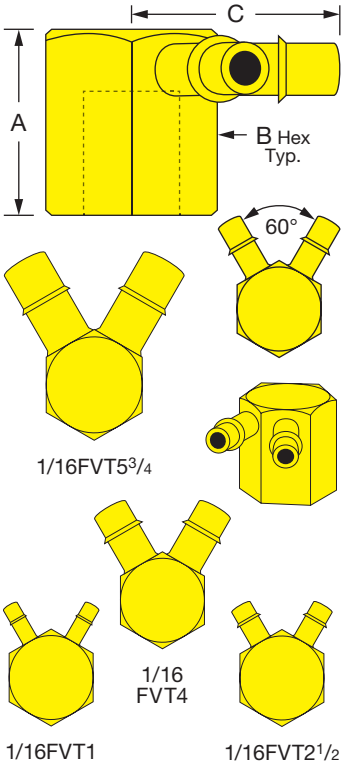


1/16FRT4-6-4

Note: *Images are for visual representation only; not intended for dimensional measurements.*

Unless otherwise specified, parts will be Brass. To order other materials, use the following codes:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

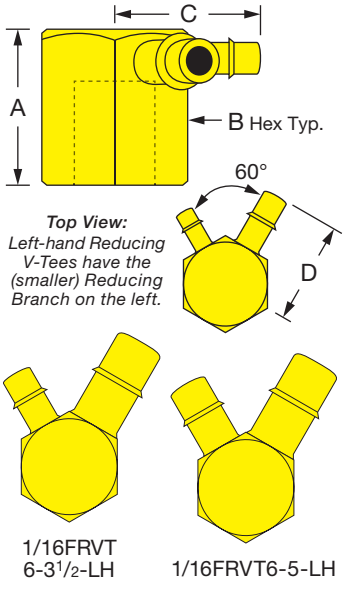
1/16 NPT Female Thread to Tube V-Tees 517



Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/16FVT.031	1/16FVT.031-SS	1/16FVT.031-316SS	1/16FVT.031-NP	15/32	7/16	3/8
.040 / 1mm	1/16FVT.040	1/16FVT.040-SS	1/16FVT.040-316SS	1/16FVT.040-NP	15/32	7/16	3/8
3/64	1/16FVT.045	1/16FVT.045-SS	1/16FVT.045-316SS	1/16FVT.045-NP	15/32	7/16	3/8
.050	1/16FVT.050	1/16FVT.050-SS	1/16FVT.050-316SS	1/16FVT.050-NP	15/32	7/16	3/8
1/16	1/16FVT1	1/16FVT1-SS	1/16FVT1-316SS	1/16FVT1-NP	15/32	7/16	7/16
5/64 / 2mm	1/16FVT2	1/16FVT2-SS	1/16FVT2-316SS	1/16FVT2-NP	15/32	7/16	7/16
3/32	1/16FVT2 1/2	1/16FVT2 1/2-SS	1/16FVT2 1/2-316SS	1/16FVT2 1/2-NP	15/32	7/16	7/16
1/8	1/16FVT3	1/16FVT3-SS	1/16FVT3-316SS	1/16FVT3-NP	15/32	7/16	17/32
5/32 / 4mm	1/16FVT3 1/2	1/16FVT3 1/2-SS	1/16FVT3 1/2-316SS	1/16FVT3 1/2-NP	15/32	7/16	17/32
.170	1/16FVT4	1/16FVT4-SS	1/16FVT4-316SS	1/16FVT4-NP	15/32	7/16	9/16
3/16	1/16FVT5	1/16FVT5-SS	1/16FVT5-316SS	1/16FVT5-NP	1/2	7/16	19/32
7/32	1/16FVT5 1/2	1/16FVT5 1/2-SS	1/16FVT5 1/2-316SS	1/16FVT5 1/2-NP	1/2	7/16	19/32
6mm	1/16FVT5 3/4	1/16FVT5 3/4-SS	1/16FVT5 3/4-316SS	1/16FVT5 3/4-NP	9/16	1/2	3/4
1/4	1/16FVT6	1/16FVT6-SS	1/16FVT6-316SS	1/16FVT6-NP	9/16	1/2	3/4

S

1/16 NPT Female Thread to Tube Reducing Left-Hand V-Tees 518



Top View: Left-hand Reducing V-Tees have the (smaller) Reducing Branch on the left.

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	15/32	7/16	3/8	3/8
.040 / 1mm	.040	15/32	7/16	3/8	3/8
3/64	.045	15/32	7/16	3/8	3/8
.050	.050	15/32	7/16	3/8	3/8
1/16	1	15/32	7/16	7/16	7/16
5/64 / 2mm	2	15/32	7/16	7/16	7/16
3/32	2 1/2	15/32	7/16	7/16	7/16

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/8	3	15/32	7/16	17/32	17/32
5/32 / 4mm	3 1/2	15/32	7/16	17/32	17/32
.170	4	15/32	7/16	9/16	9/16
3/16	5	1/2	7/16	19/32	19/32
7/32	5 1/2	1/2	7/16	19/32	19/32
6mm	5 3/4	9/16	1/2	3/4	3/4
1/4	6	9/16	1/2	3/4	3/4

Part Numbers for 1/16 NPT Female Thread to Tube Reducing Left-Hand V-Tees:

Thread Size → 1/16 (Fitting Series) FRVT # (Larger Branch) - # (Smaller Branch) - LH (Left-Hand Indicator)



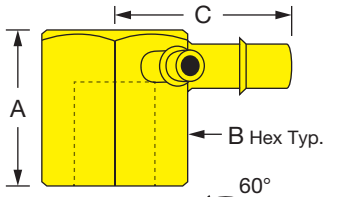
Note: *Images are for visual representation only. Dimensions may vary. Supplied fittings have dimesnions that accommodate the larger branch size. Consult factory for details.*

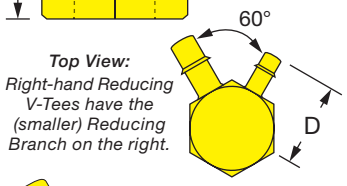
Unless otherwise specified, parts will be Brass. To order other materials, use the following codes:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

519 1/16 NPT Female Thread to Tube Reducing Right-Hand V-Tees

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	15/32	7/16	3/8	3/8
.040 / 1mm	.040	15/32	7/16	3/8	3/8
3/64	.045	15/32	7/16	3/8	3/8
.050	.050	15/32	7/16	3/8	3/8
1/16	1	15/32	7/16	7/16	7/16
5/64 / 2mm	2	15/32	7/16	7/16	7/16
3/32	2 1/2	15/32	7/16	7/16	7/16

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/8	3	15/32	7/16	17/32	17/32
5/32 / 4mm	3 1/2	15/32	7/16	17/32	17/32
.170	4	15/32	7/16	9/16	9/16
3/16	5	1/2	7/16	19/32	19/32
7/32	5 1/2	1/2	7/16	19/32	19/32
6mm	5 3/4	9/16	1/2	3/4	3/4
1/4	6	9/16	1/2	3/4	3/4

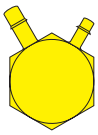


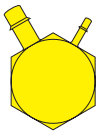


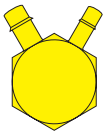
Top View: *Right-hand Reducing V-Tees have the (smaller) Reducing Branch on the right.*

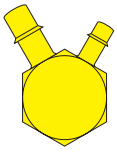
Part Numbers for 1/16 NPT Female Thread to Tube Reducing Right-Hand V-Tees:

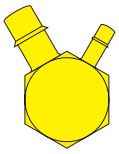
Thread Size → 1/16 — Fitting Series → FRVT — # Larger Branch — - — # Smaller Branch — - — RH ← Right-Hand Indicator

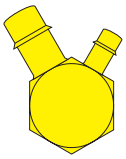

1/16FRVT 1-.045-RH

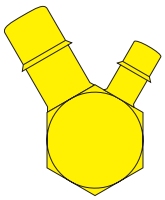

1/16FRVT 2-.031-RH

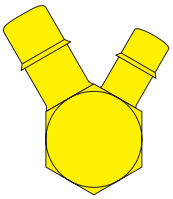

1/16FRVT 2 1/2-1-RH

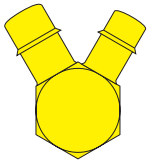

1/16FRVT3-2-RH

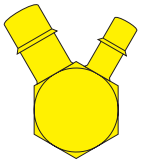

1/16FRVT3 1/2-1-RH


1/16FRVT4-2 1/2-RH


1/16FRVT 6-3 1/2-RH


1/16FRVT6-5-RH


1/16FRVT 5 1/2-4-RH


1/16FRVT 5-3-RH

Note: *Dimensions may vary. Supplied fittings have dimesnions that accommodate the larger branch size. Consult factory for details.*

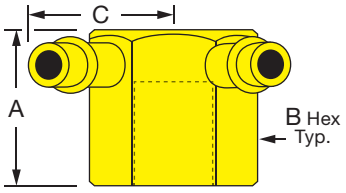
Unless otherwise specified, parts will be Brass. To order other materials, use the following codes:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

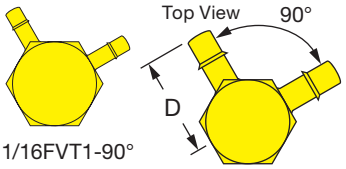
S

520 1/16 NPT Female Thread to Tube 90° V-Tees

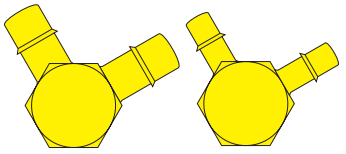
Tube ID	Part Numbers				Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/32	1/16FVT.031-90°	1/16FVT.031-90°-SS	1/16FVT.031-90°-316SS	1/16FVT.031-90°-NP	15/32	7/16	3/8	
.040 / 1mm	1/16FVT.040-90°	1/16FVT.040-90°-SS	1/16FVT.040-90°-316SS	1/16FVT.040-90°-NP	15/32	7/16	3/8	
3/64	1/16FVT.045-90°	1/16FVT.045-90°-SS	1/16FVT.045-90°-316SS	1/16FVT.045-90°-NP	15/32	7/16	3/8	
.050	1/16FVT.050-90°	1/16FVT.050-90°-SS	1/16FVT.050-90°-316SS	1/16FVT.050-90°-NP	15/32	7/16	3/8	
1/16	1/16FVT1-90°	1/16FVT1-90°-SS	1/16FVT1-90°-316SS	1/16FVT1-90°-NP	15/32	7/16	7/16	
5/64 / 2mm	1/16FVT2-90°	1/16FVT2-90°-SS	1/16FVT2-90°-316SS	1/16FVT2-90°-NP	15/32	7/16	7/16	
3/32	1/16FVT2 1/2-90°	1/16FVT2 1/2-90°-SS	1/16FVT2 1/2-90°-316SS	1/16FVT2 1/2-90°-NP	15/32	7/16	7/16	
1/8	1/16FVT3-90°	1/16FVT3-90°-SS	1/16FVT3-90°-316SS	1/16FVT3-90°-NP	15/32	7/16	17/32	
5/32 / 4mm	1/16FVT3 1/2-90°	1/16FVT3 1/2-90°-SS	1/16FVT3 1/2-90°-316SS	1/16FVT3 1/2-90°-NP	15/32	7/16	17/32	
.170	1/16FVT4-90°	1/16FVT4-90°-SS	1/16FVT4-90°-316SS	1/16FVT4-90°-NP	15/32	7/16	9/16	
3/16	1/16FVT5-90°	1/16FVT5-90°-SS	1/16FVT5-90°-316SS	1/16FVT5-90°-NP	1/2	7/16	19/32	
7/32	1/16FVT5 1/2-90°	1/16FVT5 1/2-90°-SS	1/16FVT5 1/2-90°-316SS	1/16FVT5 1/2-90°-NP	1/2	7/16	19/32	
6mm	1/16FVT5 3/4-90°	1/16FVT5 3/4-90°-SS	1/16FVT5 3/4-90°-316SS	1/16FVT5 3/4-90°-NP	9/16	1/2	3/4	
1/4	1/16FVT6-90°	1/16FVT6-90°-SS	1/16FVT6-90°-316SS	1/16FVT6-90°-NP	9/16	1/2	3/4	

Consult Factory Consult Factory Consult Factory

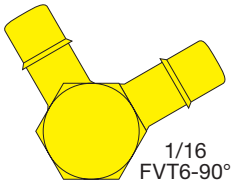




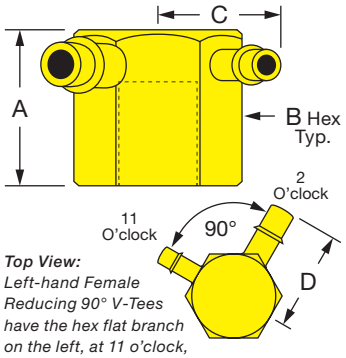
1/16FVT1-90°


1/16FVT5-90° 1/16FVT3-90°

Note: *For systems that do not allow the degree symbol (°), substitute with 'DEG' in the part number.*


1/16 FVT6-90°

1/16 NPT Female Thread to Tube Reducing Left-Hand 90° V-Tees 521



Top View:
Left-hand Female Reducing 90° V-Tees have the hex flat branch on the left, at 11 o'clock, while the hex point branch is at 2 o'clock.

Note: *For systems that do not allow the degree symbol (°), substitute it with 'DEG'.*

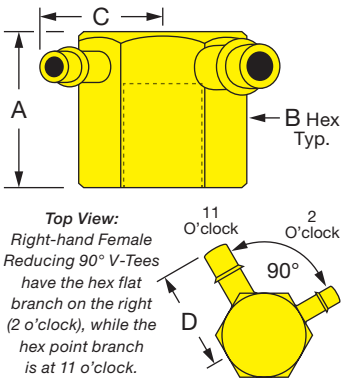
Branches		Dimensions (Reference)				
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.	
1/32	.031	15/32	7/16	3/8		Consult Factory
.040 / 1mm	.040	15/32	7/16	3/8		
3/64	.045	15/32	7/16	3/8		
.050	.050	15/32	7/16	3/8		
1/16	1	15/32	7/16	7/16		
5/64 / 2mm	2	15/32	7/16	7/16		
3/32	2 1/2	15/32	7/16	7/16		

Branches		Dimensions (Reference)				
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.	
1/8	3	15/32	7/16	17/32		Consult Factory
5/32 / 4mm	3 1/2	15/32	7/16	17/32		
.170	4	15/32	7/16	9/16		
3/16	5	1/2	7/16	19/32		
7/32	5 1/2	1/2	7/16	19/32		
6mm	5 3/4	9/16	1/2	3/4		
1/4	6	9/16	1/2	3/4		

Part Numbers for 1/16 NPT Female Thread to Tube Reducing Left-Hand 90° V-Tees:

Thread Size → 1/16 (Fitting Series) FRVT # (2 O'clock Branch) - # (11 O'clock Branch) - 90° (90° Indicator) - LH (Left-Hand Indicator)

1/16 NPT Female Thread to Tube Reducing Right-Hand 90° V-Tees 522



Top View:
Right-hand Female Reducing 90° V-Tees have the hex flat branch on the right (2 o'clock), while the hex point branch is at 11 o'clock.

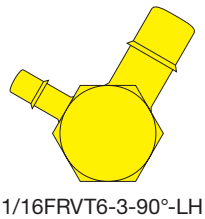
Note: *For systems that do not allow the degree symbol (°), substitute it with 'DEG'.*

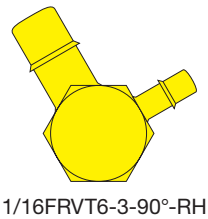
Branches		Dimensions (Reference)				
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.	
1/32	.031	15/32	7/16	3/8		Consult Factory
.040 / 1mm	.040	15/32	7/16	3/8		
3/64	.045	15/32	7/16	3/8		
.050	.050	15/32	7/16	3/8		
1/16	1	15/32	7/16	7/16		
5/64 / 2mm	2	15/32	7/16	7/16		
3/32	2 1/2	15/32	7/16	7/16		

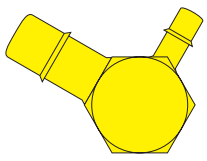
Branches		Dimensions (Reference)				
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.	
1/8	3	15/32	7/16	17/32		Consult Factory
5/32 / 4mm	3 1/2	15/32	7/16	17/32		
.170	4	15/32	7/16	9/16		
3/16	5	1/2	7/16	19/32		
7/32	5 1/2	1/2	7/16	19/32		
6mm	5 3/4	9/16	1/2	3/4		
1/4	6	9/16	1/2	3/4		

Part Numbers for 1/16 NPT Female Thread to Tube Reducing Right-Hand 90° V-Tees:

Thread Size → 1/16 (Fitting Series) FRVT # (11 O'clock Branch) - # (2 O'clock Branch) - 90° (90° Indicator) - RH (Right-Hand Indicator)


1/16FRVT6-3-90°-LH


1/16FRVT6-3-90°-RH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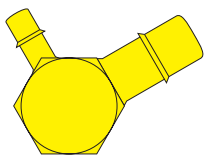
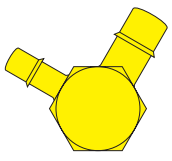
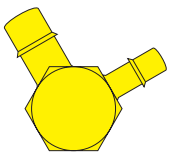
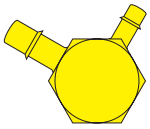
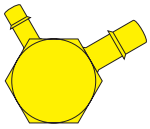
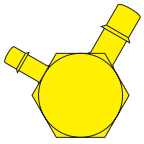

1/16FRVT3-6-90°-RH

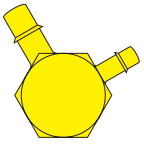

1/16FRVT5-3-90°-LH

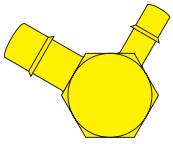

1/16FRVT5-3-90°-RH

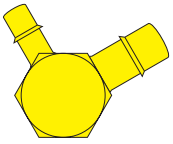

1/16FRVT2-3-90°-LH


1/16FRVT2-3-90°-RH


1/16FRVT3-2-90°-LH


1/16FRVT3-2-90°-RH

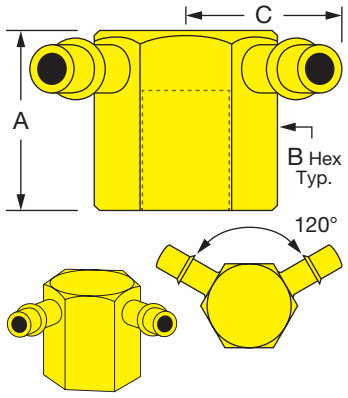

1/16FRVT3-5-90°-LH


1/16FRVT3-5-90°-RH

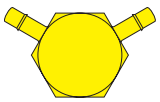
Unless otherwise specified, parts will be Brass. To order other materials, please add the following codes to the part number:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

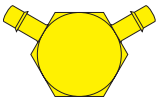
523 — 1/16 NPT Female Thread to Tube 120° V-Tees

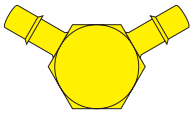
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/16FVT.031-120°	1/16FVT.031-120°-SS	1/16FVT.031-120°-316SS	1/16FVT.031-120°-NP	15/32	7/16	3/8
.040 / 1mm	1/16FVT.040-120°	1/16FVT.040-120°-SS	1/16FVT.040-120°-316SS	1/16FVT.040-120°-NP	15/32	7/16	3/8
3/64	1/16FVT.045-120°	1/16FVT.045-120°-SS	1/16FVT.045-120°-316SS	1/16FVT.045-120°-NP	15/32	7/16	3/8
.050	1/16FVT.050-120°	1/16FVT.050-120°-SS	1/16FVT.050-120°-316SS	1/16FVT.050-120°-NP	15/32	7/16	3/8
1/16	1/16FVT1-120°	1/16FVT1-120°-SS	1/16FVT1-120°-316SS	1/16FVT1-120°-NP	15/32	7/16	7/16
5/64 / 2mm	1/16FVT2-120°	1/16FVT2-120°-SS	1/16FVT2-120°-316SS	1/16FVT2-120°-NP	15/32	7/16	7/16
3/32	1/16FVT2 1/2-120°	1/16FVT2 1/2-120°-SS	1/16FVT2 1/2-120°-316SS	1/16FVT2 1/2-120°-NP	15/32	7/16	7/16
1/8	1/16FVT3-120°	1/16FVT3-120°-SS	1/16FVT3-120°-316SS	1/16FVT3-120°-NP	15/32	7/16	17/32
5/32 / 4mm	1/16FVT3 1/2-120°	1/16FVT3 1/2-120°-SS	1/16FVT3 1/2-120°-316SS	1/16FVT3 1/2-120°-NP	15/32	7/16	17/32
.170	1/16FVT4-120°	1/16FVT4-120°-SS	1/16FVT4-120°-316SS	1/16FVT4-120°-NP	15/32	7/16	9/16
3/16	1/16FVT5-120°	1/16FVT5-120°-SS	1/16FVT5-120°-316SS	1/16FVT5-120°-NP	1/2	7/16	19/32
7/32	1/16FVT5 1/2-120°	1/16FVT5 1/2-120°-SS	1/16FVT5 1/2-120°-316SS	1/16FVT5 1/2-120°-NP	1/2	7/16	19/32
6mm	1/16FVT5 3/4-120°	1/16FVT5 3/4-120°-SS	1/16FVT5 3/4-120°-316SS	1/16FVT5 3/4-120°-NP	9/16	1/2	3/4
1/4	1/16FVT6-120°	1/16FVT6-120°-SS	1/16FVT6-120°-316SS	1/16FVT6-120°-NP	9/16	1/2	3/4

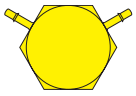


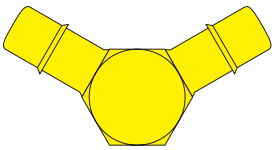
Note: *For systems that do not allow the degree symbol (°), substitute it with 'DEG'.*

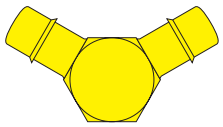

1/16FVT1-120°

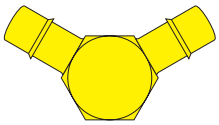

1/16FVT2-120°

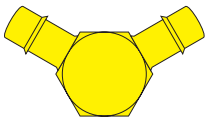

1/16FVT3-120°

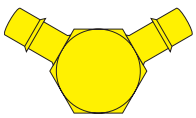

1/16FVT .031-120°

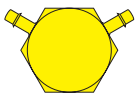

1/16FVT6-120°


1/16FVT5 1/2-120°


1/16FVT5-120°

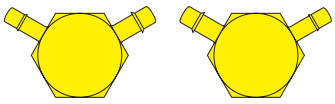

1/16FVT4-120°


1/16FVT3 1/2-120°

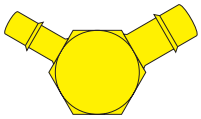

1/16FVT .045-120°

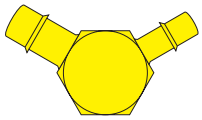
S

1/16 Female Thread 120° Reducing V-Tees available! Consult factory for details!


1/16FRVT 2-1-120°-LH

1/16FRVT 2-1-120°-RH


1/16FRVT4-3-120°-LH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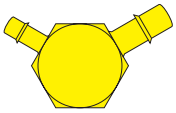
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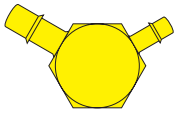
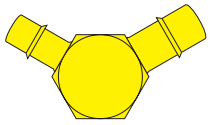
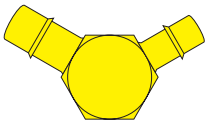
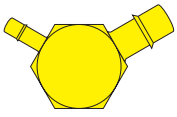
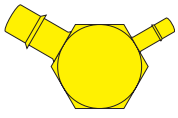
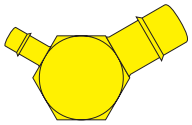

1/16FRVT 3-2-120°-RH

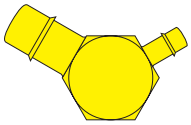

1/16FRVT5-3 1/2-120°-LH

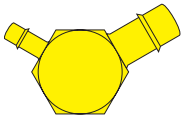

1/16FRVT5-3 1/2-120°-RH

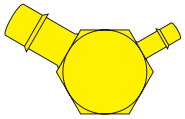

1/16FRVT 3 1/2-1-120°-LH

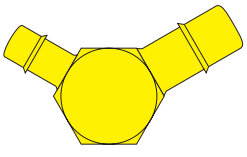

1/16FRVT 3 1/2-1-120°-RH

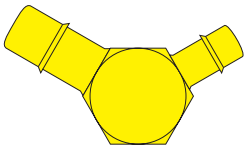

1/16FRVT 5 1/2-2 1/2-120°-LH


1/16FRVT 5 1/2-2 1/2-120°-RH

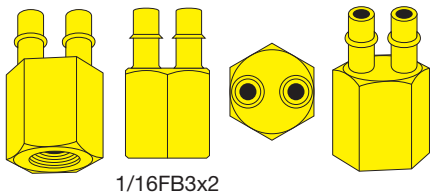

1/16FRVT 4-2-120°-LH

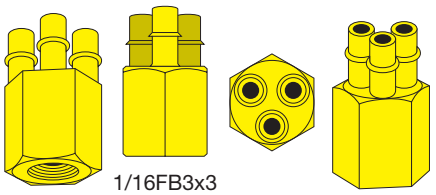

1/16FRVT 4-2-120°-RH


1/16FRVT6-4-120°-LH


1/16FRVT6-4-120°-RH

Custom Straight Manifolds available!


1/16FB3x2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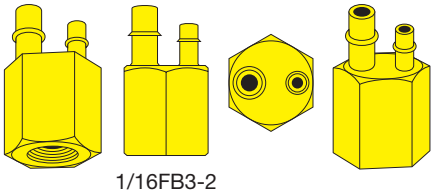
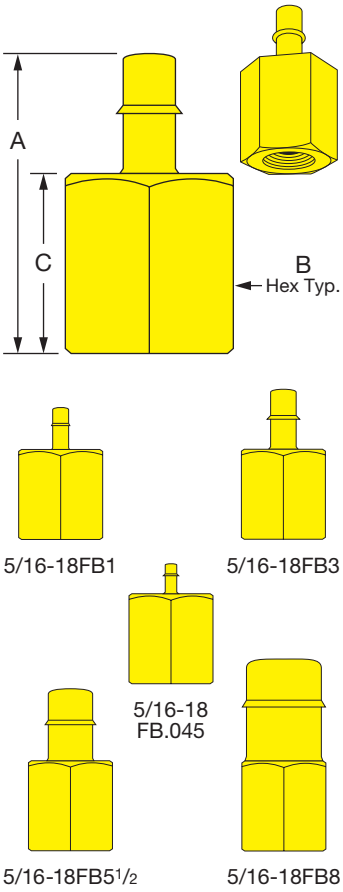

1/16FB3-2

Consult factor for details!

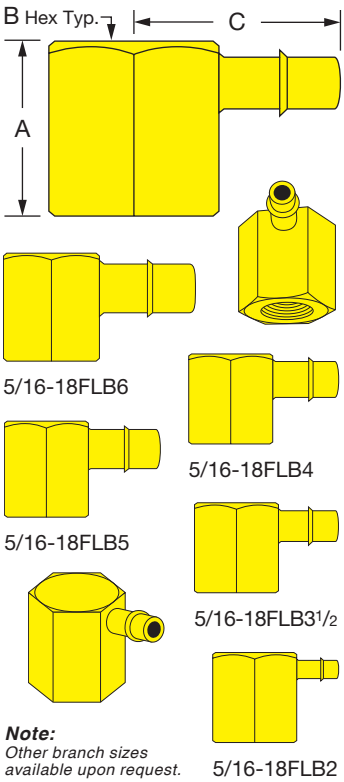
5/16-18 Female Thread to Tube 524



Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	5/16-18 FB.031	5/16-18 FB.031-SS	5/16-18 FB.031-316SS	N/A	5/16-18 FB.031-NP	5/8	7/16	15/32
.040 / 1mm	5/16-18 FB.040	5/16-18 FB.040-SS	5/16-18 FB.040-316SS	N/A	5/16-18 FB.040-NP	5/8	7/16	15/32
3/64	5/16-18 FB.045	5/16-18 FB.045-SS	5/16-18 FB.045-316SS	N/A	5/16-18 FB.045-NP	5/8	7/16	15/32
.050	5/16-18 FB.050	5/16-18 FB.050-SS	5/16-18 FB.050-316SS	N/A	5/16-18 FB.050-NP	5/8	7/16	15/32
1/16	5/16-18FB1	5/16-18FB1-SS	5/16-18FB1-316SS	5/16-18FB1-AL	5/16-18FB1-NP	11/16	7/16	15/32
5/64 / 2mm	5/16-18FB2	5/16-18FB2-SS	5/16-18FB2-316SS	5/16-18FB2-AL	5/16-18FB2-NP	11/16	7/16	15/32
3/32	5/16-18 FB2 1/2	5/16-18 FB2 1/2-SS	5/16-18 FB2 1/2-316SS	5/16-18 FB2 1/2-AL	5/16-18 FB2 1/2-NP	11/16	7/16	15/32
1/8	5/16-18FB3	5/16-18FB3-SS	5/16-18FB3-316SS	5/16-18FB3-AL	5/16-18FB3-NP	25/32	7/16	15/32
5/32 / 4mm	5/16-18 FB3 1/2	5/16-18 FB3 1/2-SS	5/16-18 FB3 1/2-316SS	5/16-18 FB3 1/2-AL	5/16-18 FB3 1/2-NP	25/32	7/16	15/32
.170	5/16-18FB4	5/16-18FB4-SS	5/16-18FB4-316SS	5/16-18FB4-AL	5/16-18FB4-NP	13/16	7/16	15/32
3/16	5/16-18FB5	5/16-18FB5-SS	5/16-18FB5-316SS	5/16-18FB5-AL	5/16-18FB5-NP	27/32	7/16	15/32
7/32	5/16-18 FB5 1/2	5/16-18 FB5 1/2-SS	5/16-18 FB5 1/2-316SS	5/16-18 FB5 1/2-AL	5/16-18 FB5 1/2-NP	27/32	7/16	15/32
6mm	5/16-18 FB5 3/4	5/16-18 FB5 3/4-SS	5/16-18 FB5 3/4-316SS	5/16-18 FB5 3/4-AL	5/16-18 FB5 3/4-NP	31/32	7/16	15/32
1/4	5/16-18FB6	5/16-18FB6-SS	5/16-18FB6-316SS	5/16-18FB6-AL	5/16-18FB6-NP	31/32	7/16	15/32
5/16 / 8mm	5/16-18FB7	5/16-18FB7-SS	5/16-18FB7-316SS	5/16-18FB7-AL	5/16-18FB7-NP	1 3/32	7/16	15/32
3/8	5/16-18FB8	5/16-18FB8-SS	5/16-18FB8-316SS	5/16-18FB8-AL	5/16-18FB8-NP	1	7/16	15/32

Note: *Images are for visual representation only; not intended for dimensional measurements. Dimensions may vary at time of manufacturing.*

5/16-18 Female Thread to Tube Elbows 525



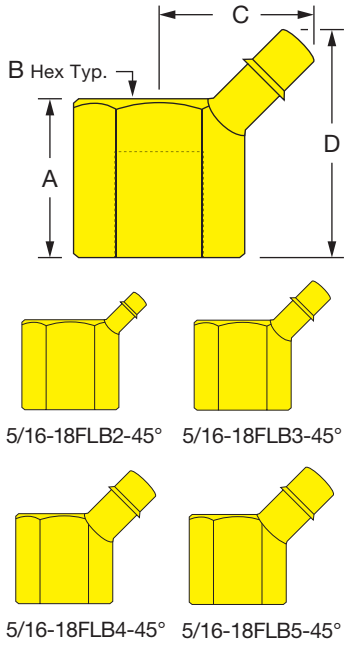
Note:
Other branch sizes available upon request.

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	5/16-18FLB.031	5/16-18FLB.031-SS	5/16-18FLB.031-316SS	5/16-18FLB.031-NP	15/32	7/16	3/8
.040 / 1mm	5/16-18FLB.040	5/16-18FLB.040-SS	5/16-18FLB.040-316SS	5/16-18FLB.040-NP	15/32	7/16	3/8
3/64	5/16-18FLB.045	5/16-18FLB.045-SS	5/16-18FLB.045-316SS	5/16-18FLB.045-NP	15/32	7/16	3/8
.050	5/16-18FLB.050	5/16-18FLB.050-SS	5/16-18FLB.050-316SS	5/16-18FLB.050-NP	15/32	7/16	3/8
1/16	5/16-18FLB1	5/16-18FLB1-SS	5/16-18FLB1-316SS	5/16-18FLB1-NP	15/32	7/16	7/16
5/64 / 2mm	5/16-18FLB2	5/16-18FLB2-SS	5/16-18FLB2-316SS	5/16-18FLB2-NP	15/32	7/16	7/16
3/32	5/16-18FLB2 1/2	5/16-18FLB2 1/2-SS	5/16-18FLB2 1/2-316SS	5/16-18FLB2 1/2-NP	15/32	7/16	7/16
1/8	5/16-18FLB3	5/16-18FLB3-SS	5/16-18FLB3-316SS	5/16-18FLB3-NP	15/32	7/16	17/32
5/32 / 4mm	5/16-18FLB3 1/2	5/16-18FLB3 1/2-SS	5/16-18FLB3 1/2-316SS	5/16-18FLB3 1/2-NP	15/32	7/16	17/32
.170	5/16-18FLB4	5/16-18FLB4-SS	5/16-18FLB4-316SS	5/16-18FLB4-NP	15/32	7/16	9/16
3/16	5/16-18FLB5	5/16-18FLB5-SS	5/16-18FLB5-316SS	5/16-18FLB5-NP	1/2	7/16	19/32
7/32	5/16-18FLB5 1/2	5/16-18FLB5 1/2-SS	5/16-18FLB5 1/2-316SS	5/16-18FLB5 1/2-NP	1/2	7/16	19/32
6mm	5/16-18FLB5 3/4	5/16-18FLB5 3/4-SS	5/16-18FLB5 3/4-316SS	5/16-18FLB5 3/4-NP	9/16	1/2	3/4
1/4	5/16-18FLB6	5/16-18FLB6-SS	5/16-18FLB6-316SS	5/16-18FLB6-NP	9/16	1/2	3/4

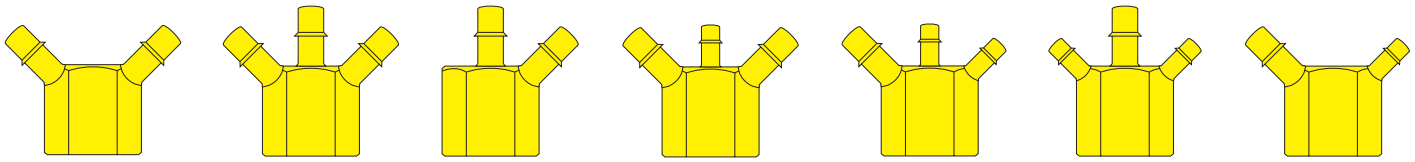
526 5/16-18 Female Thread to Tube 45° Elbows

Tube ID	Part Numbers				Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/32	5/16-18 FLB.031-45°	5/16-18FLB.031-45°-SS	5/16-18FLB.031-45°-316SS	5/16-18FLB.031-45°-NP	15/32	7/16	Consult Factory	Consult Factory
.040 / 1mm	5/16-18 FLB.040-45°	5/16-18FLB.040-45°-SS	5/16-18FLB.040-45°-316SS	5/16-18FLB.040-45°-NP	15/32	7/16		
3/64	5/16-18 FLB.045-45°	5/16-18FLB.045-45°-SS	5/16-18FLB.045-45°-316SS	5/16-18FLB.045-45°-NP	15/32	7/16		
.050	5/16-18 FLB.050-45°	5/16-18FLB.050-45°-SS	5/16-18FLB.050-45°-316SS	5/16-18FLB.050-45°-NP	15/32	7/16		
1/16	5/16-18 FLB1-45°	5/16-18FLB1-45°-SS	5/16-18FLB1-45°-316SS	5/16-18FLB1-45°-NP	15/32	7/16		
5/64 / 2mm	5/16-18 FLB2-45°	5/16-18FLB2-45°-SS	5/16-18FLB2-45°-316SS	5/16-18FLB2-45°-NP	15/32	7/16		
3/32	5/16-18 FLB2 1/2-45°	5/16-18FLB2 1/2-45°-SS	5/16-18FLB2 1/2-45°-316SS	5/16-18FLB2 1/2-45°-NP	15/32	7/16		
1/8	5/16-18 FLB3-45°	5/16-18FLB3-45°-SS	5/16-18FLB3-45°-316SS	5/16-18FLB3-45°-NP	15/32	7/16		
5/32 / 4mm	5/16-18 FLB3 1/2-45°	5/16-18FLB3 1/2-45°-SS	5/16-18FLB3 1/2-45°-316SS	5/16-18FLB3 1/2-45°-NP	15/32	7/16		
.170	5/16-18 FLB4-45°	5/16-18FLB4-45°-SS	5/16-18FLB4-45°-316SS	5/16-18FLB4-45°-NP	15/32	7/16		

Note: for systems that do not allow the degree symbol (°), substitute 'DEG' in the part number.



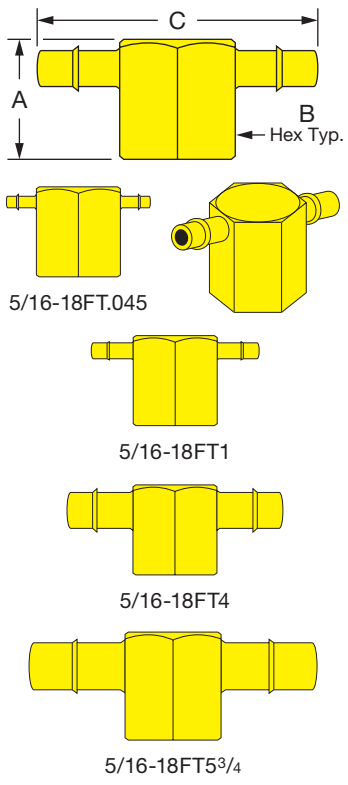
Custom 5/16-18 Female Thread to Tube Fittings available! Lead times apply! Consult factory for details!



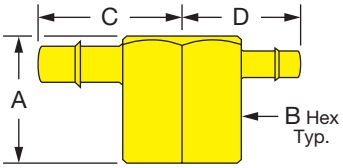
T

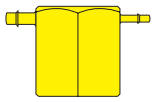
527 5/16-18 Female Thread to Tube Tees

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	5/16-18FT.031	5/16-18FT.031-SS	5/16-18FT.031-316SS	5/16-18FT.031-NP	15/32	7/16	3/4
.040 / 1mm	5/16-18FT.040	5/16-18FT.040-SS	5/16-18FT.040-316SS	5/16-18FT.040-NP	15/32	7/16	3/4
3/64	5/16-18FT.045	5/16-18FT.045-SS	5/16-18FT.045-316SS	5/16-18FT.045-NP	15/32	7/16	3/4
.050	5/16-18FT.050	5/16-18FT.050-SS	5/16-18FT.050-316SS	5/16-18FT.050-NP	15/32	7/16	3/4
1/16	5/16-18FT1	5/16-18FT1-SS	5/16-18FT1-316SS	5/16-18FT1-NP	15/32	7/16	7/8
5/64 / 2mm	5/16-18FT2	5/16-18FT2-SS	5/16-18FT2-316SS	5/16-18FT2-NP	15/32	7/16	7/8
3/32	5/16-18FT2 1/2	5/16-18FT2 1/2-SS	5/16-18FT2 1/2-316SS	5/16-18FT2 1/2-NP	15/32	7/16	7/8
1/8	5/16-18FT3	5/16-18FT3-SS	5/16-18FT3-316SS	5/16-18FT3-NP	15/32	7/16	1 1/16
5/32 / 4mm	5/16-18FT3 1/2	5/16-18FT3 1/2-SS	5/16-18FT3 1/2-316SS	5/16-18FT3 1/2-NP	15/32	7/16	1 1/16
.170	5/16-18FT4	5/16-18FT4-SS	5/16-18FT4-316SS	5/16-18FT4-NP	15/32	7/16	1 3/32
3/16	5/16-18FT5	5/16-18FT5-SS	5/16-18FT5-316SS	5/16-18FT5-NP	1/2	7/16	1 3/16
7/32	5/16-18FT5 1/2	5/16-18FT5 1/2-SS	5/16-18FT5 1/2-316SS	5/16-18FT5 1/2-NP	1/2	7/16	1 3/16
6mm	5/16-18FT5 3/4	5/16-18FT5 3/4-SS	5/16-18FT5 3/4-316SS	5/16-18FT5 3/4-NP	9/16	1/2	1 1/2
1/4	5/16-18FT6	5/16-18FT6-SS	5/16-18FT6-316SS	5/16-18FT6-NP	9/16	1/2	1 1/2



5/16-18 Female Thread to Tube Reducing Tees 528

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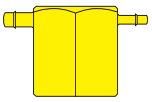
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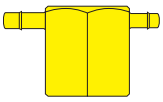
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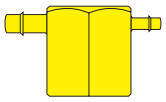
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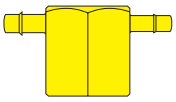
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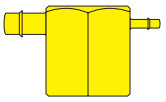
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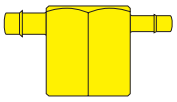
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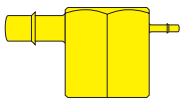
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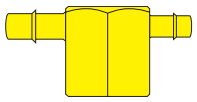
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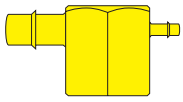
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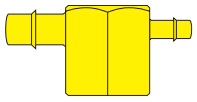
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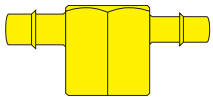
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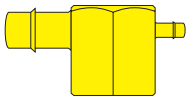
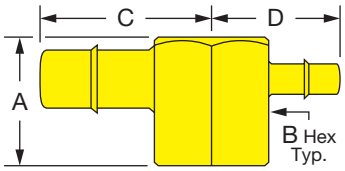

5/16-18FRT4-.050

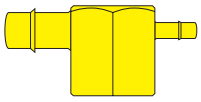
Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
.040 / 1mm	1/32	5/16-18FRT .040-.031	5/16-18FRT.040-.031-SS	5/16-18FRT.040-.031-316SS	5/16-18FRT.040-.031-NP	15/32	7/16	3/8	3/8
3/64	1/32	5/16-18FRT .045-.031	5/16-18FRT.045-.031-SS	5/16-18FRT.045-.031-316SS	5/16-18FRT.045-.031-NP	15/32	7/16	3/8	3/8
3/64	.040 / 1mm	5/16-18FRT .045-.040	5/16-18FRT.045-.040-SS	5/16-18FRT.045-.040-316SS	5/16-18FRT.045-.040-NP	15/32	7/16	3/8	3/8
.050	1/32	5/16-18FRT .050-.031	5/16-18FRT.050-.031-SS	5/16-18FRT.050-.031-316SS	5/16-18FRT.050-.031-NP	15/32	7/16	3/8	3/8
.050	.040 / 1mm	5/16-18FRT .050-.040	5/16-18FRT.050-.040-SS	5/16-18FRT.050-.040-316SS	5/16-18FRT.050-.040-NP	15/32	7/16	3/8	3/8
.050	1/64	5/16-18FRT .050-.045	5/16-18FRT.050-.045-SS	5/16-18FRT.050-.045-316SS	5/16-18FRT.050-.045-NP	15/32	7/16	3/8	3/8
1/16	1/32	5/16-18 FRT1-.031	5/16-18 FRT1-.031-SS	5/16-18FRT1-.031-316SS	5/16-18 FRT1-.031-NP	15/32	7/16	7/16	3/8
1/16	.040 / 1mm	5/16-18 FRT1-.040	5/16-18 FRT1-.040-SS	5/16-18 FRT1-.040-316SS	5/16-18 FRT1-.040-NP	15/32	7/16	7/16	3/8
1/16	3/64	5/16-18 FRT1-.045	5/16-18 FRT1-.045-SS	5/16-18 FRT1-.045-316SS	5/16-18 FRT1-.045-NP	15/32	7/16	7/16	3/8
1/16	.050	5/16-18 FRT1-.050	5/16-18 FRT1-.050-SS	5/16-18 FRT1-.050-316SS	5/16-18 FRT1-.050-NP	15/32	7/16	7/16	3/8
5/64 / 2mm	1/32	5/16-18 FRT2-.031	5/16-18 FRT2-.031-SS	5/16-18 FRT2-.031-316SS	5/16-18 FRT2-.031-NP	15/32	7/16	7/16	3/8
5/64 / 2mm	.040 / 1mm	5/16-18 FRT2-.040	5/16-18 FRT2-.040-SS	5/16-18 FRT2-.040-316SS	5/16-18 FRT2-.040-NP	15/32	7/16	7/16	3/8
5/64 / 2mm	3/64	5/16-18 FRT2-.045	5/16-18 FRT2-.045-SS	5/16-18 FRT2-.045-316SS	5/16-18 FRT2-.045-NP	15/32	7/16	7/16	3/8
5/64 / 2mm	.050	5/16-18 FRT2-.050	5/16-18 FRT2-.050-SS	5/16-18 FRT2-.050-316SS	5/16-18 FRT2-.050-NP	15/32	7/16	7/16	3/8
5/64 / 2mm	1/16	5/16-18 FRT2-1	5/16-18FRT2-1-SS	5/16-18FRT 2-1-316SS	5/16-18 FRT2-1-NP	15/32	7/16	7/16	7/16
3/32	1/32	5/16-18 FRT2½-.031	5/16-18FRT 2½-.031-SS	5/16-18FRT 2½-.031-316SS	5/16-18FRT 2½-.031-NP	15/32	7/16	7/16	3/8
3/32	.040 / 1mm	5/16-18 FRT2½-.040	5/16-18 FRT2½-.040-SS	5/16-18FRT 2½-.040-316SS	5/16-18FRT 2½-.040-NP	15/32	7/16	7/16	3/8
3/32	3/64	5/16-18 FRT2½-.045	5/16-18 FRT2½-.045-SS	5/16-18FRT2½-.045-316SS	5/16-18FRT 2½-.045-NP	15/32	7/16	7/16	3/8
3/32	.050	5/16-18 FRT2½-.050	5/16-18 FRT2½-.050-SS	5/16-18FRT2½-.050-316SS	5/16-18FRT2½-.050-NP	15/32	7/16	7/16	3/8
3/32	1/16	5/16-18 FRT2½-1	5/16-18 FRT2½-1-SS	5/16-18FRT2½-1-316SS	5/16-18FRT2½-1-NP	15/32	7/16	7/16	7/16
3/32	5/64 / 2mm	5/16-18 FRT2½-2	5/16-18 FRT2½-2-SS	5/16-18 FRT2½-2-316SS	5/16-18 FRT2½-2-NP	15/32	7/16	7/16	7/16
1/8	1/32	5/16-18 FRT3-.031	5/16-18 FRT3-.031-SS	5/16-18 FRT3-.031-316SS	5/16-18 FRT3-.031-NP	15/32	7/16	17/32	3/8
1/8	.040 / 1mm	5/16-18 FRT3-.040	5/16-18 FRT3-.040-SS	5/16-18 FRT3-.040-316SS	5/16-18 FRT3-.040-NP	15/32	7/16	17/32	3/8
1/8	3/64	5/16-18 FRT3-.045	5/16-18 FRT3-.045-SS	5/16-18 FRT3-.045-316SS	5/16-18 FRT3-.045-NP	15/32	7/16	17/32	3/8
1/8	.050	5/16-18 FRT3-.050	5/16-18 FRT3-.050-SS	5/16-18 FRT3-.050-316SS	5/16-18 FRT3-.050-NP	15/32	7/16	17/32	3/8
1/8	1/16	5/16-18 FRT3-1	5/16-18 FRT3-1-SS	5/16-18 FRT3-1-316SS	5/16-18 FRT3-1-NP	15/32	7/16	17/32	7/16
1/8	5/64 / 2mm	5/16-18FRT3-2	5/16-18 FRT3-2-SS	5/16-18 FRT3-2-316SS	5/16-18 FRT3-2-NP	15/32	7/16	17/32	7/16
1/8	3/32	5/16-18 FRT3-2½	5/16-18 FRT3-2½-SS	5/16-18 FRT3-2½-316SS	5/16-18 FRT3-2½-NP	15/32	7/16	17/32	7/16
5/32 / 4mm	1/32	5/16-18 FRT3½-.031	5/16-18FRT 3½-.031-SS	5/16-18FRT 3½-.031-316SS	5/16-18FRT 3½-.031-NP	15/32	7/16	17/32	3/8
5/32 / 4mm	.040 / 1mm	5/16-18 FRT3½-.040	5/16-18FRT 3½-.040-SS	5/16-18FRT 3½-.040-316SS	5/16-18FRT 3½-.040-NP	15/32	7/16	17/32	3/8
5/32 / 4mm	3/64	5/16-18 FRT3½-.045	5/16-18 FRT3½-.045-SS	5/16-18FRT 3½-.045-316SS	5/16-18FRT 3½-.045-NP	15/32	7/16	17/32	3/8
5/32 / 4mm	.050	5/16-18 FRT3½-.050	5/16-18 FRT3½-.050-SS	5/16-18FRT 3½-.050-316SS	5/16-18FRT 3½-.050-NP	15/32	7/16	17/32	3/8
5/32 / 4mm	1/16	5/16-18 FRT3½-1	5/16-18 FRT3½-1-SS	5/16-18 FRT3½-1-316SS	5/16-18 FRT3½-1-NP	15/32	7/16	17/32	7/16
5/32 / 4mm	5/64 / 2mm	5/16-18 FRT3½-2	5/16-18 FRT3½-2-SS	5/16-18 FRT3½-2-316SS	5/16-18 FRT3½-2-NP	15/32	7/16	17/32	7/16
5/32 / 4mm	3/32	5/16-18 FRT3½-2½	5/16-18 FRT3½-2½-SS	5/16-18FRT 3½-2½-316SS	5/16-18 FRT3½-2½-NP	15/32	7/16	17/32	7/16
5/32 / 4mm	1/8	5/16-18 FRT3½-3	5/16-18 FRT3½-3-SS	5/16-18 FRT3½-3-316SS	5/16-18 FRT3½-3-NP	15/32	7/16	17/32	17/32
.170	1/32	5/16-18 FRT4-.031	5/16-18 FRT4-.031-SS	5/16-18 FRT4-.031-316SS	5/16-18 FRT4-.031-NP	15/32	7/16	9/16	3/8
.170	.040 / 1mm	5/16-18 FRT4-.040	5/16-18 FRT4-.040-SS	5/16-18 FRT4-.040-316SS	5/16-18 FRT4-.040-NP	15/32	7/16	9/16	3/8
.170	3/64	5/16-18 FRT4-.045	5/16-18 FRT4-.045-SS	5/16-18 FRT4-.045-316SS	5/16-18 FRT4-.045-NP	15/32	7/16	9/16	3/8
.170	.050	5/16-18 FRT4-.050	5/16-18 FRT4-.050-SS	5/16-18 FRT4-.050-316SS	5/16-18 FRT4-.050-NP	15/32	7/16	9/16	3/8

Continued on next page..

529 5/16-18 Female Thread to Tube Reducing Tees (continued)

Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
.170	1/16	5/16-18 FRT4-1	5/16-18 FRT4-1-SS	5/16-18 FRT4-1-316SS	5/16-18 FRT4-1-NP	15/32	7/16	9/16	7/16
.170	5/64 / 2mm	5/16-18 FRT4-2	5/16-18 FRT4-2-SS	5/16-18 FRT4-2-316SS	5/16-18 FRT4-2-NP	15/32	7/16	9/16	7/16
.170	3/32	5/16-18 FRT4-2 1/2	5/16-18 FRT4-2 1/2-SS	5/16-18 FRT4-2 1/2-316SS	5/16-18 FRT4-2 1/2-NP	15/32	7/16	9/16	7/16
.170	1/8	5/16-18 FRT4-3	5/16-18 FRT4-3-SS	5/16-18 FRT4-3-316SS	5/16-18 FRT4-3-NP	15/32	7/16	9/16	17/32
.170	5/32 / 4mm	5/16-18 FRT4-3 1/2	5/16-18 FRT4-3 1/2-SS	5/16-18 FRT4-3 1/2-316SS	5/16-18 FRT4-3 1/2-NP	15/32	7/16	9/16	17/32
3/16	1/32	5/16-18 FRT5-.031	5/16-18 FRT5-.031-SS	5/16-18 FRT5-.031-316SS	5/16-18 FRT5-.031-NP	1/2	7/16	19/32	3/8
3/16	.040 / 1mm	5/16-18 FRT5-.040	5/16-18 FRT5-.040-SS	5/16-18 FRT5-.040-316SS	5/16-18 FRT5-.040-NP	1/2	7/16	19/32	3/8
3/16	3/64	5/16-18 FRT5-.045	5/16-18 FRT5-.045-SS	5/16-18 FRT5-.045-316SS	5/16-18 FRT5-.045-NP	1/2	7/16	19/32	3/8
3/16	.050	5/16-18 FRT5-.050	5/16-18 FRT5-.050-SS	5/16-18 FRT5-.050-316SS	5/16-18 FRT5-.050-NP	1/2	7/16	19/32	3/8
3/16	1/16	5/16-18 FRT5-1	5/16-18 FRT5-1-SS	5/16-18 FRT5-1-316SS	5/16-18 FRT5-1-NP	1/2	7/16	19/32	7/16
3/16	5/64 / 2mm	5/16-18 FRT5-2	5/16-18 FRT5-2-SS	5/16-18 FRT5-2-316SS	5/16-18 FRT5-2-NP	1/2	7/16	19/32	7/16
3/16	3/32	5/16-18 FRT5-2 1/2	5/16-18 FRT5-2 1/2-SS	5/16-18 FRT5-2 1/2-316SS	5/16-18 FRT5-2 1/2-NP	1/2	7/16	19/32	7/16
3/16	1/8	5/16-18 FRT5-3	5/16-18 FRT5-3-SS	5/16-18 FRT5-3-316SS	5/16-18 FRT5-3-NP	1/2	7/16	19/32	17/32
3/16	5/32 / 4mm	5/16-18 FRT5-3 1/2	5/16-18 FRT5-3 1/2-SS	5/16-18 FRT5-3 1/2-316SS	5/16-18 FRT5-3 1/2-NP	1/2	7/16	19/32	17/32
3/16	.170	5/16-18 FRT5-4	5/16-18 FRT5-4-SS	5/16-18 FRT5-4-316SS	5/16-18 FRT5-4-NP	1/2	7/16	19/32	9/16
7/32	1/16	5/16-18 FRT5 1/2-1	5/16-18 FRT5 1/2-1-SS	5/16-18 FRT5 1/2-1-316SS	5/16-18 FRT5 1/2-1-NP	1/2	7/16	19/32	7/16
7/32	5/64 / 2mm	5/16-18 FRT5 1/2-2	5/16-18 FRT5 1/2-2-SS	5/16-18 FRT5 1/2-2-316SS	5/16-18 FRT5 1/2-2-NP	1/2	7/16	19/32	7/16
7/32	3/32	5/16-18 FRT5 1/2-2 1/2	5/16-18 FRT5 1/2-2 1/2-SS	5/16-18 FRT5 1/2-2 1/2-316SS	5/16-18 FRT5 1/2-2 1/2-NP	1/2	7/16	19/32	7/16
7/32	1/8	5/16-18 FRT5 1/2-3	5/16-18 FRT5 1/2-3-SS	5/16-18 FRT5 1/2-3-316SS	5/16-18 FRT5 1/2-3-NP	1/2	7/16	19/32	17/32
7/32	5/32 / 4mm	5/16-18 FRT5 1/2-3 1/2	5/16-18 FRT5 1/2-3 1/2-SS	5/16-18 FRT5 1/2-3 1/2-316SS	5/16-18 FRT5 1/2-3 1/2-NP	1/2	7/16	19/32	17/32
7/32	.170	5/16-18 FRT5 1/2-4	5/16-18 FRT5 1/2-4-SS	5/16-18 FRT5 1/2-4-316SS	5/16-18 FRT5 1/2-4-NP	1/2	7/16	19/32	17/32
7/32	3/16	5/16-18 FRT5 1/2-5	5/16-18 FRT5 1/2-5-SS	5/16-18 FRT5 1/2-5-316SS	5/16-18 FRT5 1/2-5-NP	1/2	7/16	19/32	19/32
6mm	1/16	5/16-18 FRT5 3/4-1	5/16-18 FRT5 3/4-1-SS	5/16-18 FRT5 3/4-1-316SS	5/16-18 FRT5 3/4-1-NP	9/16	1/2	3/4	15/32
6mm	5/64 / 2mm	5/16-18 FRT5 3/4-2	5/16-18 FRT5 3/4-2-SS	5/16-18 FRT5 3/4-2-316SS	5/16-18 FRT5 3/4-2-NP	9/16	1/2	3/4	15/32
6mm	3/32	5/16-18 FRT5 3/4-2 1/2	5/16-18 FRT5 3/4-2 1/2-SS	5/16-18FRT 5 3/4-2 1/2-316SS	5/16-18 FRT5 3/4-2 1/2-NP	9/16	1/2	3/4	15/32
6mm	1/8	5/16-18 FRT5 3/4-3	5/16-18 FRT5 3/4-3-SS	5/16-18 FRT5 3/4-3-316SS	5/16-18 FRT5 3/4-3-NP	9/16	1/2	3/4	9/16
6mm	5/32 / 4mm	5/16-18 FRT5 3/4-3 1/2	5/16-18 FRT5 3/4-3 1/2-SS	5/16-18FRT 5 3/4-3 1/2-316SS	5/16-18 FRT5 3/4-3 1/2-NP	9/16	1/2	3/4	9/16
6mm	.170	5/16-18 FRT5 3/4-4	5/16-18 FRT5 3/4-4-SS	5/16-18 FRT5 3/4-4-316SS	5/16-18 FRT5 3/4-4-NP	9/16	1/2	3/4	19/32
6mm	3/16	5/16-18 FRT5 3/4-5	5/16-18 FRT5 3/4-5-SS	5/16-18 FRT5 3/4-5-316SS	5/16-18 FRT5 3/4-5-NP	9/16	1/2	3/4	5/8
6mm	7/32	5/16-18 FRT5 3/4-5 1/2	5/16-18 FRT5 3/4-5 1/2-SS	5/16-18FRT 5 3/4-5 1/2-316SS	5/16-18 FRT5 3/4-5 1/2-NP	9/16	1/2	3/4	5/8
1/4	1/16	5/16-18 FRT6-1	5/16-18 FRT6-1-SS	5/16-18 FRT6-1-316SS	5/16-18 FRT6-1-NP	9/16	1/2	3/4	15/32
1/4	5/64 / 2mm	5/16-18 FRT6-2	5/16-18 FRT6-2-SS	5/16-18 FRT6-2-316SS	5/16-18 FRT6-2-NP	9/16	1/2	3/4	15/32
1/4	3/32	5/16-18 FRT6-2 1/2	5/16-18 FRT6-2 1/2-SS	5/16-18 FRT6-2 1/2-316SS	5/16-18 FRT6-2 1/2-NP	9/16	1/2	3/4	15/32
1/4	1/8	5/16-18 FRT6-3	5/16-18 FRT6-3-SS	5/16-18 FRT6-3-316SS	5/16-18 FRT6-3-NP	9/16	1/2	3/4	9/16
1/4	5/32 / 4mm	5/16-18 FRT6-3 1/2	5/16-18 FRT6-3 1/2-SS	5/16-18 FRT6-3 1/2-316SS	5/16-18 FRT6-3 1/2-NP	9/16	1/2	3/4	9/16
1/4	.170	5/16-18 FRT6-4	5/16-18 FRT6-4-SS	5/16-18 FRT6-4-316SS	5/16-18 FRT6-4-NP	9/16	1/2	3/4	19/32
1/4	3/16	5/16-18 FRT6-5	5/16-18 FRT6-5-SS	5/16-18 FRT6-5-316SS	5/16-18 FRT6-5-NP	9/16	1/2	3/4	5/8
1/4	7/32	5/16-18 FRT6-5 1/2	5/16-18 FRT6-5 1/2-SS	5/16-18 FRT6-5 1/2-316SS	5/16-18 FRT6-5 1/2-NP	9/16	1/2	3/4	5/8
1/4	6mm	5/16-18 FRT6-5 3/4	5/16-18 FRT6-5 3/4-SS	5/16-18 FRT6-5 3/4-316SS	5/16-18 FRT6-5 3/4-NP	9/16	1/2	3/4	3/4

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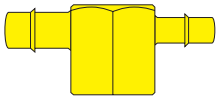
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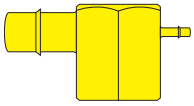
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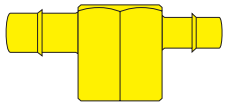
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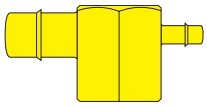
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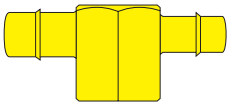
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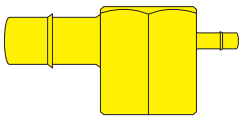
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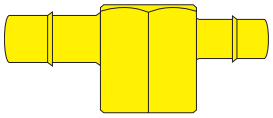
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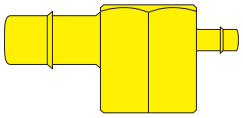
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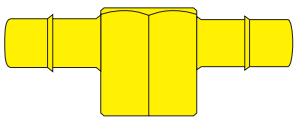
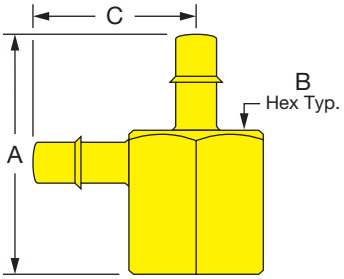
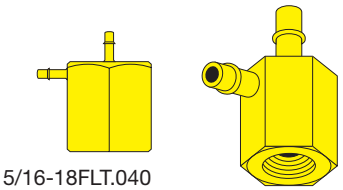

5/16-18FRT6-5 3/4

Note: *Images are for visual representation only.*

T

5/16-18 Female Thread to Tube L-Tees 530

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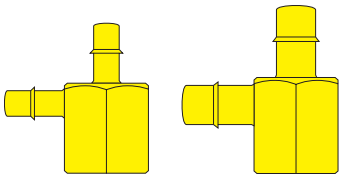
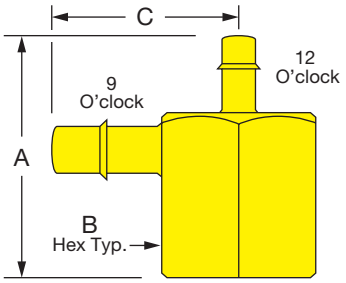

5/16-18FLT3 5/16-18FLT5

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Typ.
1/32	5/16-18FLT.031	5/16-18FLT.031-SS	5/16-18FLT.031-316SS	5/16-18FLT.031-NP	5/8	7/16	3/8
.040 / 1mm	5/16-18FLT.040	5/16-18FLT.040-SS	5/16-18FLT.040-316SS	5/16-18FLT.040-NP	5/8	7/16	3/8
3/64	5/16-18FLT.045	5/16-18FLT.045-SS	5/16-18FLT.045-316SS	5/16-18FLT.045-NP	5/8	7/16	3/8
.050	5/16-18FLT.050	5/16-18FLT.050-SS	5/16-18FLT.050-316SS	5/16-18FLT.050-NP	5/8	7/16	3/8
1/16	5/16-18FLT1	5/16-18FLT1-SS	5/16-18FLT1-316SS	5/16-18FLT1-NP	11/16	7/16	7/16
5/64 / 2mm	5/16-18FLT2	5/16-18FLT2-SS	5/16-18FLT2-316SS	5/16-18FLT2-NP	11/16	7/16	7/16
3/32	5/16-18FLT2 1/2	5/16-18FLT2 1/2-SS	5/16-18FLT2 1/2-316SS	5/16-18FLT2 1/2-NP	11/16	7/16	7/16
1/8	5/16-18FLT3	5/16-18FLT3-SS	5/16-18FLT3-316SS	5/16-18FLT3-NP	25/32	7/16	17/32
5/32 / 4mm	5/16-18FLT3 1/2	5/16-18FLT3 1/2-SS	5/16-18FLT3 1/2-316SS	5/16-18FLT3 1/2-NP	25/32	7/16	17/32
.170	5/16-18FLT4	5/16-18FLT4-SS	5/16-18FLT4-316SS	5/16-18FLT4-NP	13/16	7/16	9/16
3/16	5/16-18FLT5	5/16-18FLT5-SS	5/16-18FLT5-316SS	5/16-18FLT5-NP	7/8	7/16	19/32
7/32	5/16-18FLT5 1/2	5/16-18FLT5 1/2-SS	5/16-18FLT5 1/2-316SS	5/16-18FLT5 1/2-NP	7/8	7/16	19/32
6mm	5/16-18FLT5 3/4	5/16-18FLT5 3/4-SS	5/16-18FLT5 3/4-316SS	5/16-18FLT5 3/4-NP	1 1/16	1/2	3/4
1/4	5/16-18FLT6	5/16-18FLT6-SS	5/16-18FLT6-316SS	5/16-18FLT6-NP	1 1/16	1/2	3/4

Note:
Dimensions may vary at time of manufacturing.

T

5/16-18 Female Thread to Tube Reducing L-Tees 531



Branches		Dimensions (Reference)		
Tube ID	Branch #	A Ref.	B Typ.	C Ref.
1/32	.031	Consult Factory	Consult Factory	Consult Factory
.040 / 1mm	.040			
3/64	.045			
.050	.050			

Branches		Dimensions (Reference)		
Tube ID	Branch #	A Ref.	B Typ.	C Ref.
1/16	1	Consult Factory	Consult Factory	Consult Factory
5/64 / 2mm	2			
3/32	2 1/2			
1/8	3			
5/32 / 4mm	3 1/2			

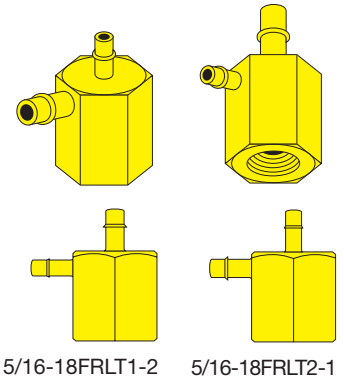
Branches		Dimensions (Reference)		
Tube ID	Branch #	A Ref.	B Typ.	C Ref.
.170	4	Consult Factory	Consult Factory	Consult Factory
3/16	5			
7/32	5 1/2			
6mm	5 3/4			
1/4	6			

Note: *Other branch sizes available upon request. Consult factory for details!*

Part Numbers for 5/16-18 Female Thread to Tube Reducing L-Tees:

Thread Size → **5/16-18** **FRLT** **#** - **#** ← 12 O'clock Branch #

Fitting Series ↑ 9 O'clock Branch # ↑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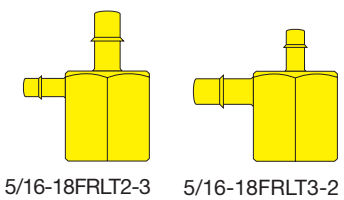
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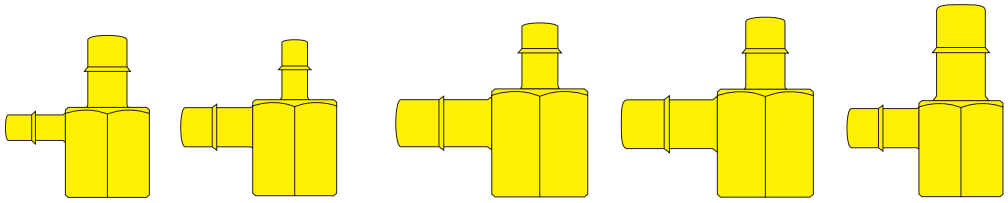
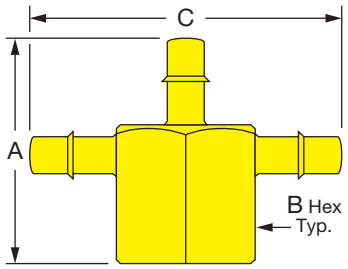
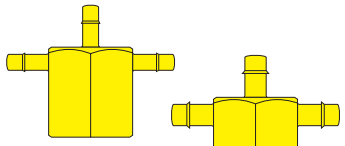

5/16-18FRLT3-5 5/16-18FRLT5-3 5/16-18FLT5 3/4-4 5/16-18FRLT6-5 5/16-18FRLT5-6

Unless otherwise specified, parts will be Brass. To order other materials, use the following codes:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

532 — 5/16-18 Female Thread to Tube Tees x 3

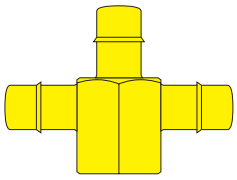
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	5/16-18 FT.031x3	5/16-18 FT.031x3-SS	5/16-18FT.031x3-316SS	5/16-18 FT.031x3-NP	5/8	7/16	3/4
.040 / 1mm	5/16-18 FT.040x3	5/16-18 FT.040x3-SS	5/16-18FT.040x3-316SS	5/16-18 FT.040x3-NP	5/8	7/16	3/4
3/64	5/16-18 FT.045x3	5/16-18 FT.045x3-SS	5/16-18FT.045x3-316SS	5/16-18 FT.045x3-NP	5/8	7/16	3/4
.050	5/16-18 FT.050x3	5/16-18 FT.050x3-SS	5/16-18FT.050x3-316SS	5/16-18 FT.050x3-NP	5/8	7/16	3/4
1/16	5/16-18FT1x3	5/16-18FT1x3-SS	5/16-18FT1x3-316SS	5/16-18FT1x3-NP	11/16	7/16	7/8
5/64 / 2mm	5/16-18FT2x3	5/16-18FT2x3-SS	5/16-18FT2x3-316SS	5/16-18FT2x3-NP	11/16	7/16	7/8
3/32	5/16-18 FT2 1/2x3	5/16-18FT2 1/2x3-SS	5/16-18FT2 1/2x3-316SS	5/16-18FT2 1/2x3-NP	11/16	7/16	7/8
1/8	5/16-18FT3x3	5/16-18FT3x3-SS	5/16-18FT3x3-316SS	5/16-18FT3x3-NP	25/32	7/16	1 1/16
5/32 / 4mm	5/16-18 FT3 1/2x3	5/16-18FT3 1/2x3-SS	5/16-18FT3 1/2x3-316SS	5/16-18FT3 1/2x3-NP	25/32	7/16	1 1/16
.170	5/16-18FT4x3	5/16-18FT4x3-SS	5/16-18FT4x3-316SS	5/16-18FT4x3-NP	25/32	7/16	1 3/32
3/16	5/16-18FT5x3	5/16-18FT5x3-SS	5/16-18FT5x3-316SS	5/16-18FT5x3-NP	7/8	7/16	1 3/16
7/32	5/16-18 FT5 1/2x3	5/16-18FT5 1/2x3-SS	5/16-18FT5 1/2x3-316SS	5/16-18FT5 1/2x3-NP	7/8	7/16	1 3/16
6mm	5/16-18 FT5 3/4x3	5/16-18FT5 3/4x3-SS	5/16-18FT5 3/4x3-316SS	5/16-18FT5 3/4x3-NP	1 1/16	1/2	1 1/2
1/4	5/16-18FT6x3	5/16-18FT6x3-SS	5/16-18FT6x3-316SS	5/16-18FT6x3-NP	1 1/16	1/2	1 1/2





5/16-18 FT1x3

5/16-18 FT2 1/2x3



5/16-18FT5 1/2x3

533 — 5/16-18 Female Thread to Tube Reducing Tees x 3

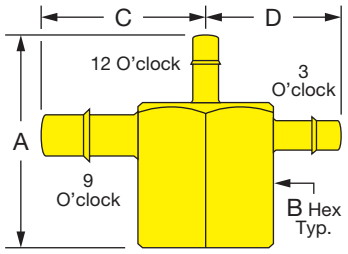
T

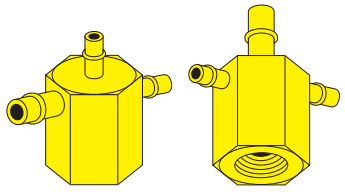
Branches		Dimensions (Reference)			
Tube ID	Branch #	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	Consult Factory			
.040 / 1mm	.040				
3/64	.045				
.050	.050				

Branches		Dimensions (Reference)			
Tube ID	Branch #	A Ref.	B Typ.	C Ref.	D Ref.
1/16	1	Consult Factory			
5/64 / 2mm	2				
3/32	2 1/2				
1/8	3				
5/32 / 4mm	3 1/2				

Branches		Dimensions (Reference)			
Tube ID	Branch #	A Ref.	B Typ.	C Ref.	D Ref.
.170	4	Consult Factory			
3/16	5				
7/32	5 1/2				
6mm	5 3/4				
1/4	6				

Note: *Other branch sizes available upon request. Consult factory for details!*





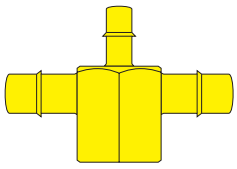
Part Numbers for 5/16-18 Female Thread to Tube Reducing Tees x 3:

Thread Size → **5/16-18** **FRLT** ← Fitting Series

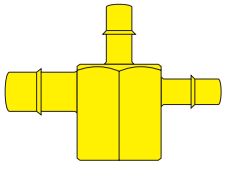
- **#** - **#** ← 3 O'clock Branch

← 9 O'clock Branch

← 12 O'clock Branch



5/16-18FRT5-3-5



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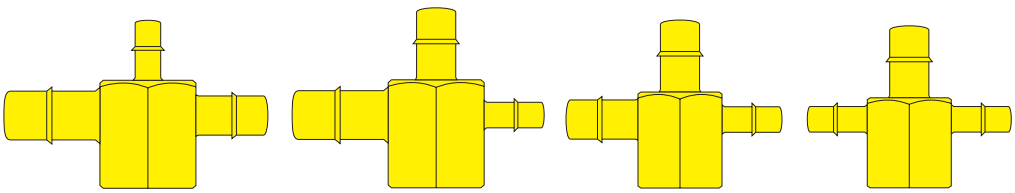
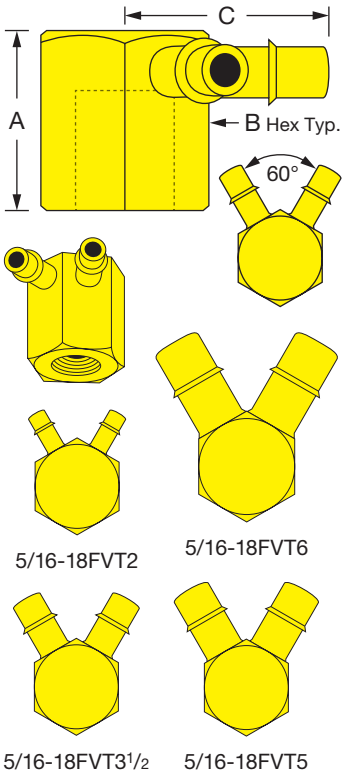


5/16-18FRT6-3-5 | 5/16-18FRT6-5-3 | 5/16-18FRT5-5-3 | 5/16-18FRT3-5-3

Unless otherwise specified, parts will be Brass. To order other materials, use the following codes:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

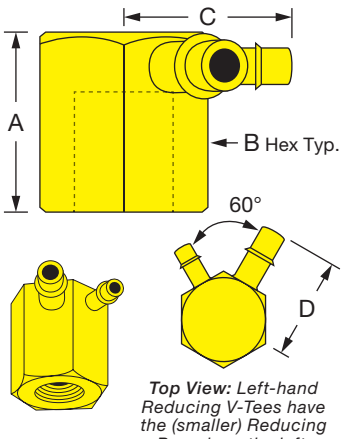
5/16-18 Female Thread to Tube V-Tees 534



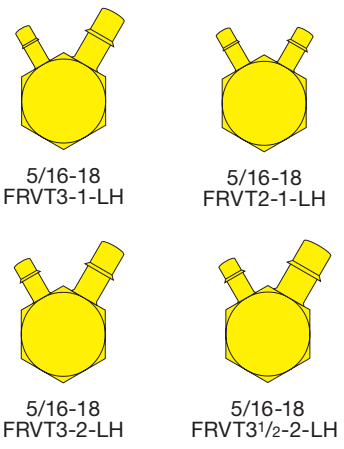
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	5/16-18 FVT.031	5/16-18FVT.031-SS	5/16-18FVT.031-316SS	5/16-18FVT.031-NP	15/32	7/16	3/8
.040 / 1mm	5/16-18 FVT.040	5/16-18FVT.040-SS	5/16-18FVT.040-316SS	5/16-18FVT.040-NP	15/32	7/16	3/8
3/64	5/16-18 FVT.045	5/16-18FVT.045-SS	5/16-18FVT.045-316SS	5/16-18FVT.045-NP	15/32	7/16	3/8
.050	5/16-18 FVT.050	5/16-18FVT.050-SS	5/16-18FVT.050-316SS	5/16-18FVT.050-NP	15/32	7/16	3/8
1/16	5/16-18FVT1	5/16-18FVT1-SS	5/16-18FVT1-316SS	5/16-18FVT1-NP	15/32	7/16	7/16
5/64 / 2mm	5/16-18FVT2	5/16-18FVT2-SS	5/16-18FVT2-316SS	5/16-18FVT2-NP	15/32	7/16	7/16
3/32	5/16-18 FVT2 1/2	5/16-18FVT2 1/2-SS	5/16-18FVT2 1/2-316SS	5/16-18FVT2 1/2-NP	15/32	7/16	7/16
1/8	5/16-18FVT3	5/16-18FVT3-SS	5/16-18FVT3-316SS	5/16-18FVT3-NP	15/32	7/16	17/32
5/32 / 4mm	5/16-18 FVT3 1/2	5/16-18FVT3 1/2-SS	5/16-18FVT3 1/2-316SS	5/16-18FVT3 1/2-NP	15/32	7/16	17/32
.170	5/16-18FVT4	5/16-18FVT4-SS	5/16-18FVT4-316SS	5/16-18FVT4-NP	15/32	7/16	9/16
3/16	5/16-18FVT5	5/16-18FVT5-SS	5/16-18FVT5-316SS	5/16-18FVT5-NP	1/2	7/16	19/32
7/32	5/16-18FVT5 1/2	5/16-18FVT5 1/2-SS	5/16-18FVT5 1/2-316SS	5/16-18FVT5 1/2-NP	1/2	7/16	19/32
6mm	5/16-18 FVT5 3/4	5/16-18FVT5 3/4-SS	5/16-18FVT5 3/4-316SS	5/16-18FVT5 3/4-NP	9/16	1/2	3/4
1/4	5/16-18FVT6	5/16-18FVT6-SS	5/16-18FVT6-316SS	5/16-18FVT6-NP	9/16	1/2	3/4

5/16-18 Female Thread to Tube Reducing Left-Hand V-Tees 535

T



Top View: Left-hand Reducing V-Tees have the (smaller) Reducing Branch on the left.



Branches		Dimensions (Reference)			
Tube ID	Branch #	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	15/32	7/16	3/8	3/8
.040 / 1mm	.040	15/32	7/16	3/8	3/8
3/64	.045	15/32	7/16	3/8	3/8
.050	.050	15/32	7/16	3/8	3/8

Branches		Dimensions (Reference)			
Tube ID	Branch #	A Ref.	B Typ.	C Ref.	D Ref.
1/16	1	15/32	7/16	7/16	7/16
5/64 / 2mm	2	15/32	7/16	7/16	7/16
3/32	2 1/2	15/32	7/16	7/16	7/16
1/8	3	15/32	7/16	17/32	17/32
5/32 / 4mm	3 1/2	15/32	7/16	17/32	17/32

Branches		Dimensions (Reference)			
Tube ID	Branch #	A Ref.	B Typ.	C Ref.	D Ref.
.170	4	15/32	7/16	9/16	9/16
3/16	5	1/2	7/16	19/32	19/32
7/32	5 1/2	1/2	7/16	19/32	19/32
6mm	5 3/4	9/16	1/2	3/4	3/4
1/4	6	9/16	1/2	3/4	3/4

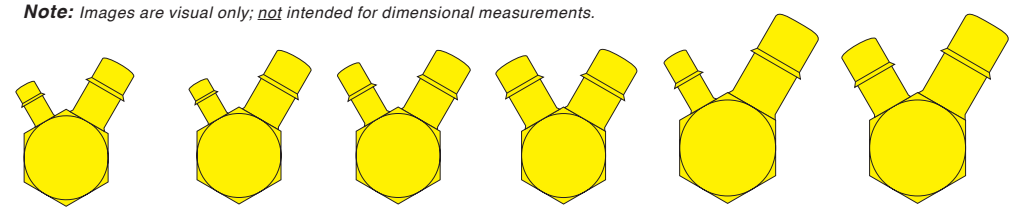
Note: *Hex and height dimensions supplied to accommodate larger branch size.*

Part Numbers for 5/16-18 Female Thread to Tube Reducing Left-Hand V-Tees:

Thread Size → **5/16-18** **RVT** **#** - **#** - **LH** ← Left-Hand Indicator

Fitting Series ↑ ; **#** ↑ Larger Branch # ; **#** ↑ Smaller Branch #

Note: *Images are visual only; not intended for dimensional measurements.*



Unless otherwise specified, parts will be Brass. To order other materials, use the following codes:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

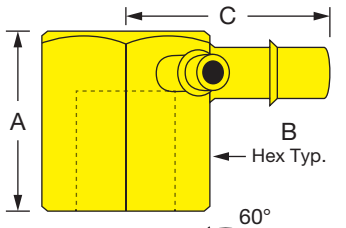
536 5/16-18 Female Thread to Tube Reducing Right-Hand V-Tees

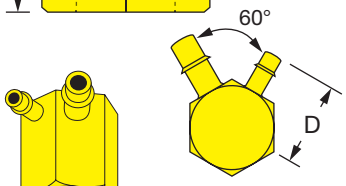
Branches		Dimensions (Reference)			
Tube ID	Branch #	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	15/32	7/16	3/8	3/8
.040 / 1mm	.040	15/32	7/16	3/8	3/8
3/64	.045	15/32	7/16	3/8	3/8
.050	.050	15/32	7/16	3/8	3/8

Branches		Dimensions (Reference)			
Tube ID	Branch #	A Ref.	B Typ.	C Ref.	D Ref.
1/16	1	15/32	7/16	7/16	7/16
5/64 / 2mm	2	15/32	7/16	7/16	7/16
3/32	2 1/2	15/32	7/16	7/16	7/16
1/8	3	15/32	7/16	17/32	17/32
5/32 / 4mm	3 1/2	15/32	7/16	17/32	17/32

Branches		Dimensions (Reference)			
Tube ID	Branch #	A Ref.	B Typ.	C Ref.	D Ref.
.170	4	15/32	7/16	9/16	9/16
3/16	5	1/2	7/16	19/32	19/32
7/32	5 1/2	1/2	7/16	19/32	19/32
6mm	5 3/4	9/16	1/2	3/4	3/4
1/4	6	9/16	1/2	3/4	3/4

Note: *Hex and height dimensions supplied to accommodate larger branch size.*





Top View: *Right-hand Reducing V-Tees have the (smaller) Reducing Branch on the right.*

Part Numbers for 5/16-18 Female Thread to Tube Reducing Right-Hand V-Tees:

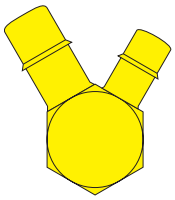
Thread Size → **5/16-18** **RVT** **#** - **#** - **RH** ← Right-Hand Indicator

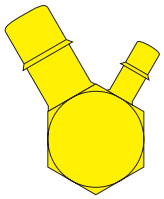
Fitting Series ↑ **RVT**

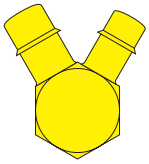
↑ Larger Branch

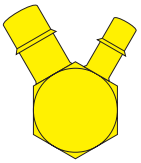
↑ Smaller Branch

Note: *Images are visual only; not intended for dimensional measurements.*


5/16-18 FRVT6-5-RH


5/16-18 FRVT6-3-RH


5/16-18FRVT 5 1/2-4-RH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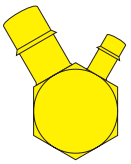
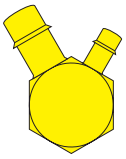

5/16-18FRVT 5-2 1/2-RH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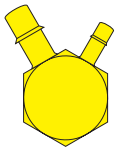
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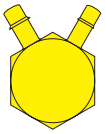
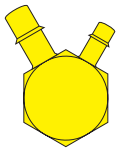
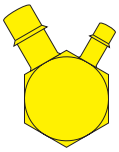
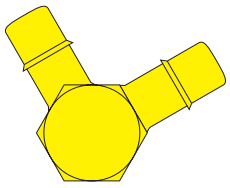

5/16-18FRVT2-1-RH

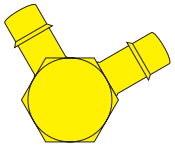

5/16-18 FRVT3-2-RH

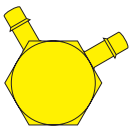

5/16-18FRVT 3 1/2-2-RH

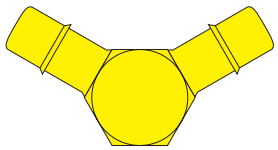
Unless otherwise specified, parts will be Brass. To order other materials, use the following codes:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

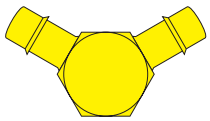
5/16-18 Female Thread to Tube Custom 90° & 120° V-Tees & Reducing V-Tees available! Consult factory for details!


5/16-18FVT6-90°


5/16-18 FVT4-90°


5/16-18 FVT2-90°


5/16-18FVT6-120°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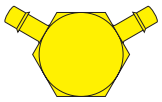
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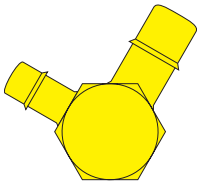
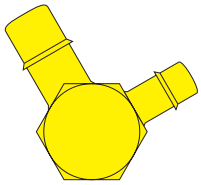

5/16-18FRVT 6-4-90°-LH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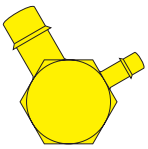
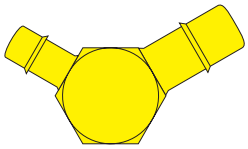

5/16-18FRVT 4-2-90°-RH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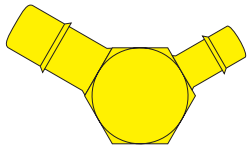
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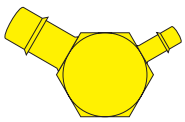
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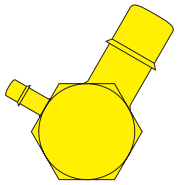
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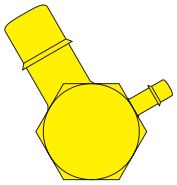
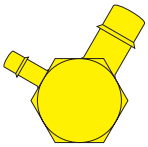

5/16-18FRVT 6-2-90°-RH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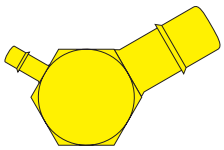
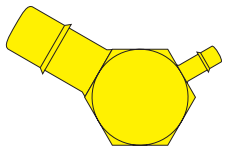
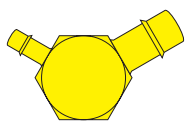

5/16-18FRVT 6-2-120°-LH

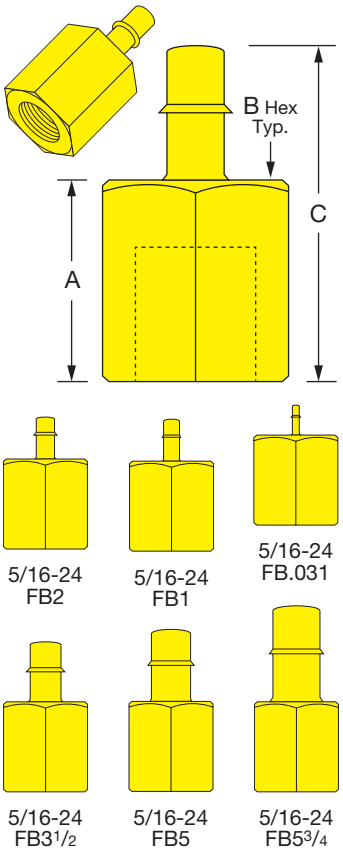

5/16-18FRVT 6-2-120°-RH


5/16-18FRVT 4-2-120°-LH

More 5/16-18 Female Thread options available! Consult factory for details!

T

5/16-24 Female Thread to Tube 537



Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	5/16-24 FB.031	5/16-24 FB.031-SS	5/16-24 FB.031-316SS	N/A	5/16-24 FB.031-NP	15/32	7/16	5/8
.040 / 1mm	5/16-24 FB.040	5/16-24 FB.040-SS	5/16-24 FB.040-316SS	N/A	5/16-24 FB.040-NP	15/32	7/16	5/8
3/64	5/16-24 FB.045	5/16-24 FB.045-SS	5/16-24 FB.045-316SS	N/A	5/16-24 FB.045-NP	15/32	7/16	5/8
.050	5/16-24 FB.050	5/16-24 FB.050-SS	5/16-24 FB.050-316SS	N/A	5/16-24 FB.050-NP	15/32	7/16	5/8
1/16	5/16-24FB1	5/16-24FB1-SS	5/16-24 FB1-316SS	5/16-24FB1-AL	5/16-24FB1-NP	15/32	7/16	11/16
5/64 / 2mm	5/16-24FB2	5/16-24FB2-SS	5/16-24 FB2-316SS	5/16-24FB2-AL	5/16-24FB2-NP	15/32	7/16	11/16
3/32	5/16-24 FB2 1/2	5/16-24 FB2 1/2-SS	5/16-24 FB2 1/2-316SS	5/16-24 FB2 1/2-AL	5/16-24 FB2 1/2-NP	15/32	7/16	11/16
1/8	5/16-24FB3	5/16-24FB3-SS	5/16-24 FB3-316SS	5/16-24FB3-AL	5/16-24FB3-NP	15/32	7/16	25/32
5/32 / 4mm	5/16-24FB3 1/2	5/16-24 FB3 1/2-SS	5/16-24 FB3 1/2-316SS	5/16-24 FB3 1/2-AL	5/16-24 FB3 1/2-NP	15/32	7/16	25/32
.170	5/16-24FB4	5/16-24FB4-SS	5/16-24 FB4-316SS	5/16-24FB4-AL	5/16-24FB4-NP	15/32	7/16	13/16
3/16	5/16-24FB5	5/16-24FB5-SS	5/16-24 FB5-316SS	5/16-24FB5-AL	5/16-24FB5-NP	15/32	7/16	27/32
7/32	5/16-24 FB5 1/2	5/16-24 FB5 1/2-SS	5/16-24 FB5 1/2-316SS	5/16-24 FB5 1/2-AL	5/16-24 FB5 1/2-NP	15/32	7/16	27/32
6mm	5/16-24 FB5 3/4	5/16-24 FB5 3/4-SS	5/16-24 FB5 3/4-316SS	5/16-24 FB5 3/4-AL	5/16-24 FB5 3/4-NP	15/32	7/16	31/32
1/4	5/16-24FB6	5/16-24FB6-SS	5/16-24 FB6-316SS	5/16-24FB6-AL	5/16-24FB6-NP	15/32	7/16	31/32
5/16 / 8mm	5/16-24FB7	5/16-24FB7-SS	5/16-24 FB7-316SS	5/16-24FB7-AL	5/16-24FB7-NP	15/32	7/16	1 3/32
3/8	5/16-24FB8	5/16-24FB8-SS	5/16-24 FB8-316SS	5/16-24FB8-AL	5/16-24FB8-NP	15/32	7/16	1

Note:
Dimensions may vary at time of manufacturing.

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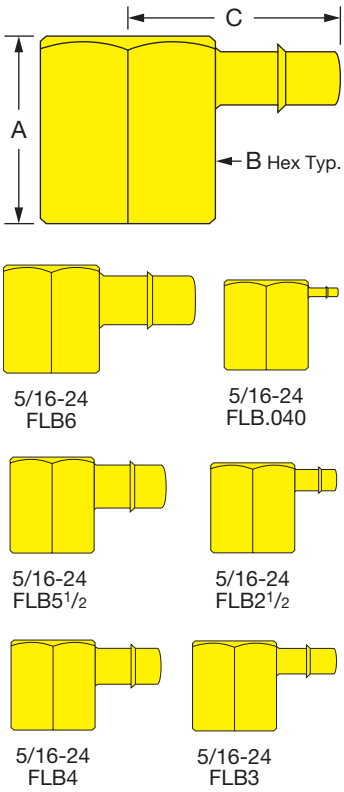
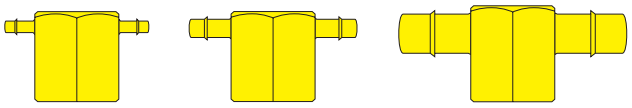
5/16-24 Female Thread to Tube Elbows 538



Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	5/16-24FLB.031	5/16-24 FLB.031-SS	5/16-24 FLB.031-316SS	5/16-24 FLB.031-NP	15/32	7/16	3/8
.040 / 1mm	5/16-24FLB.040	5/16-24 FLB.040-SS	5/16-24 FLB.040-316SS	5/16-24 FLB.040-NP	15/32	7/16	3/8
3/64	5/16-24FLB.045	5/16-24 FLB.045-SS	5/16-24 FLB.045-316SS	5/16-24 FLB.045-NP	15/32	7/16	3/8
.050	5/16-24FLB.050	5/16-24 FLB.050-SS	5/16-24 FLB.050-316SS	5/16-24 FLB.050-NP	15/32	7/16	3/8
1/16	5/16-24FLB1	5/16-24FLB1-SS	5/16-24FLB1-316SS	5/16-24FLB1-NP	15/32	7/16	7/16
5/64 / 2mm	5/16-24FLB2	5/16-24FLB2-SS	5/16-24FLB2-316SS	5/16-24FLB2-NP	15/32	7/16	7/16
3/32	5/16-24FLB2 1/2	5/16-24FLB2 1/2-SS	5/16-24FLB2 1/2-316SS	5/16-24FLB2 1/2-NP	15/32	7/16	7/16
1/8	5/16-24FLB3	5/16-24FLB3-SS	5/16-24FLB3-316SS	5/16-24FLB3-NP	15/32	7/16	17/32
5/32 / 4mm	5/16-24FLB3 1/2	5/16-24FLB3 1/2-SS	5/16-24FLB3 1/2-316SS	5/16-24FLB3 1/2-NP	15/32	7/16	17/32
.170	5/16-24FLB4	5/16-24FLB4-SS	5/16-24FLB4-316SS	5/16-24FLB4-NP	15/32	7/16	9/16
3/16	5/16-24FLB5	5/16-24FLB5-SS	5/16-24FLB5-316SS	5/16-24FLB5-NP	1/2	7/16	19/32
7/32	5/16-24FLB5 1/2	5/16-24FLB5 1/2-SS	5/16-24FLB5 1/2-316SS	5/16-24FLB5 1/2-NP	1/2	7/16	19/32
6mm	5/16-24FLB5 3/4	5/16-24FLB5 3/4-SS	5/16-24FLB5 3/4-316SS	5/16-24FLB5 3/4-NP	9/16	1/2	3/4
1/4	5/16-24FLB6	5/16-24FLB6-SS	5/16-24FLB6-316SS	5/16-24FLB6-NP	9/16	1/2	3/4

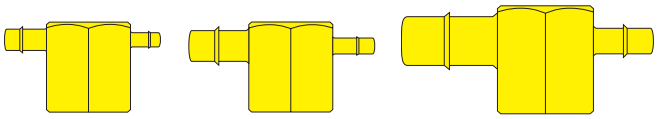
Custom 5/16-24 Female Thread to Tube Fittings Available!

5/16-24 Female Thread Tees



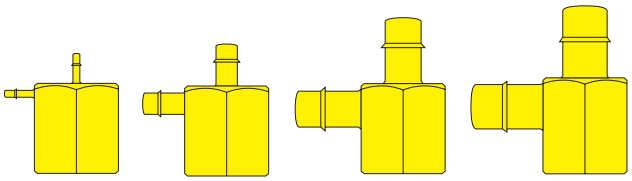
5/16-24 FT.045 | 5/16-24FT2 | 5/16-24FT5

5/16-24 Female Thread Reducing Tees



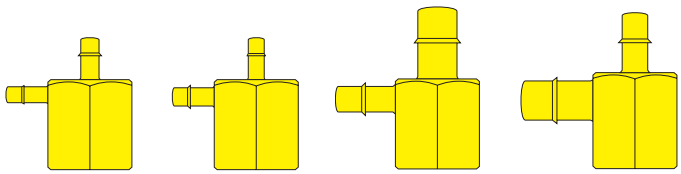
5/16-24 FRT2 1/2-.050 | 5/16-24 FRT3 1/2-1 | 5/16-24FRT6-3

5/16-24 Female Thread L-Tees



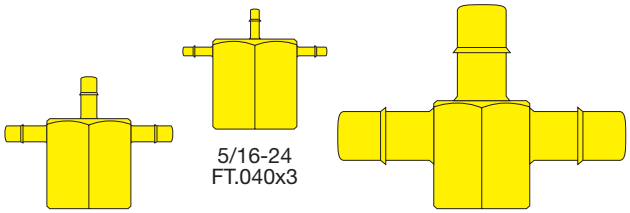
5/16-24 FLT.031 | 5/16-24 FLT2 1/2 | 5/16-24FLT4 | 5/16-24 FLT5 1/2

5/16-24 Female Thread Reducing L-Tees



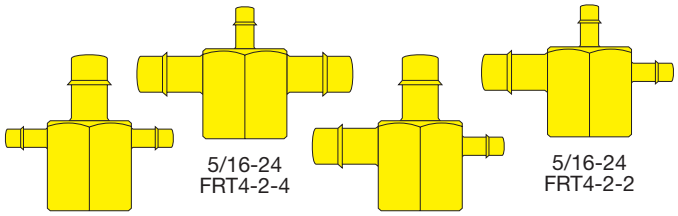
5/16-24 FRLT1-2 | 5/16-24 FRLT2-1 | 5/16-24 FRLT3-5 | 5/16-24 FRLT5-3

5/16-24 Female Thread Tee x 3



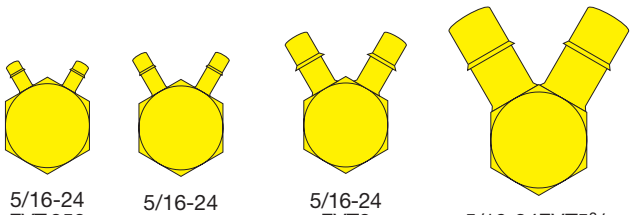
5/16-24FT1x3 | 5/16-24 FT.040x3 | 5/16-24FT6x3

5/16-24 Female Thread Reducing Tee x 3



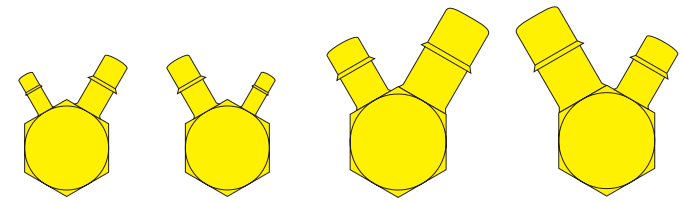
5/16-24FRT2-4-2 | 5/16-24 FRT4-2-4 | 5/16-24FRT4-4-2 | 5/16-24 FRT4-2-2

5/16-24 Female Thread V-Tees

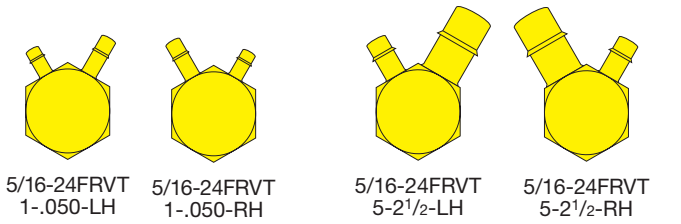


5/16-24 FVT.050 | 5/16-24 FVT1 | 5/16-24 FVT3 | 5/16-24FVT5 3/4

5/16-24 Female Thread Reducing V-Tees

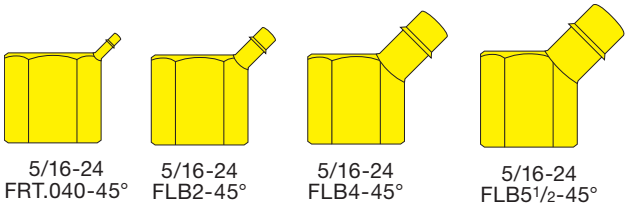


5/16-24 FRVT3-1-LH | 5/16-24 FRVT3-1-RH | 5/16-24FRVT 6-4-LH | 5/16-24FRVT 6-4-RH



5/16-24FRVT 1-.050-LH | 5/16-24FRVT 1-.050-RH | 5/16-24FRVT 5-2 1/2-LH | 5/16-24FRVT 5-2 1/2-RH

5/16-24 Female Thread 45° Elbows



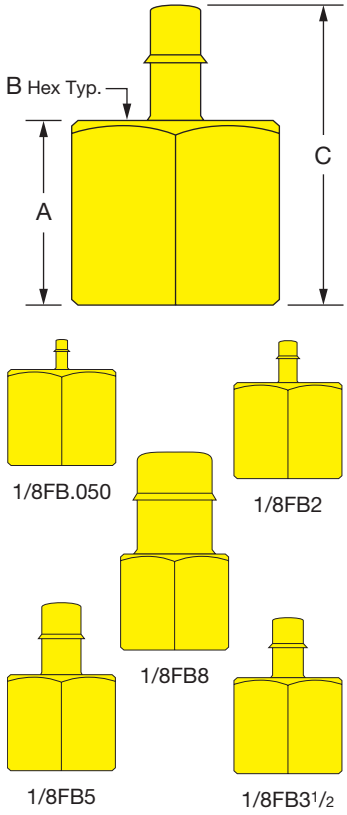
5/16-24 FRT.040-45° | 5/16-24 FLB2-45° | 5/16-24 FLB4-45° | 5/16-24 FLB5 1/2-45°

•Sample listing; many options available!•

Consult factory for dimensions & availability!

5/16-24 Female Thread 90° & 120° V-Tees & Reducing V-Tees available! Lead times & minimum quantities may apply!

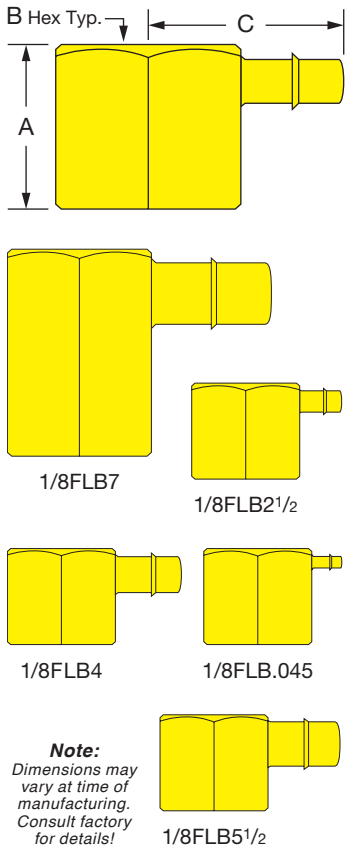
1/8 NPT Female Thread to Tube 539



Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/8FB.031	1/8FB.031-SS	1/8FB.031-316SS	N/A	1/8FB.031-NP	1/2	9/16	21/32
.040 / 1mm	1/8FB.040	1/8FB.040-SS	1/8FB.040-316SS	N/A	1/8FB.040-NP	1/2	9/16	21/32
3/64	1/8FB.045	1/8FB.045-SS	1/8FB.045-316SS	N/A	1/8FB.045-NP	1/2	9/16	21/32
.050	1/8FB.050	1/8FB.050-SS	1/8FB.050-316SS	N/A	1/8FB.050-NP	1/2	9/16	21/32
1/16	1/8FB1	1/8FB1-SS	1/8FB1-316SS	1/8FB1-AL	1/8FB1-NP	1/2	9/16	23/32
5/64 / 2mm	1/8FB2	1/8FB2-SS	1/8FB2-316SS	1/8FB2-AL	1/8FB2-NP	1/2	9/16	23/32
3/32	1/8FB2 1/2	1/8FB2 1/2-SS	1/8FB2 1/2-316SS	1/8FB2 1/2-AL	1/8FB2 1/2-NP	1/2	9/16	23/32
1/8	1/8FB3	1/8FB3-SS	1/8FB3-316SS	1/8FB3-AL	1/8FB3-NP	1/2	9/16	13/16
5/32 / 4mm	1/8FB3 1/2	1/8FB3 1/2-SS	1/8FB3 1/2-316SS	1/8FB3 1/2-AL	1/8FB3 1/2-NP	1/2	9/16	13/16
.170	1/8FB4	1/8FB4-SS	1/8FB4-316SS	1/8FB4-AL	1/8FB4-NP	1/2	9/16	27/32
3/16	1/8FB5	1/8FB5-SS	1/8FB5-316SS	1/8FB5-AL	1/8FB5-NP	1/2	9/16	7/8
7/32	1/8FB5 1/2	1/8FB5 1/2-SS	1/8FB5 1/2-316SS	1/8FB5 1/2-AL	1/8FB5 1/2-NP	1/2	9/16	7/8
6mm	1/8FB5 3/4	1/8FB5 3/4-SS	1/8FB5 3/4-316SS	1/8FB5 3/4-AL	1/8FB5 3/4-NP	1/2	9/16	1
1/4	1/8FB6	1/8FB6-SS	1/8FB6-316SS	1/8FB6-AL	1/8FB6-NP	1/2	9/16	1
5/16 / 8mm	1/8FB7	1/8FB7-SS	1/8FB7-316SS	1/8FB7-AL	1/8FB7-NP	1/2	9/16	1 1/8
3/8	1/8FB8	1/8FB8-SS	1/8FB8-316SS	1/8FB8-AL	1/8FB8-NP	1/2	9/16	1 1/32
1/2	1/8FB10	1/8FB10-SS	1/8FB10-316SS	1/8FB10-AL	1/8FB10-NP	1/2	5/8	1 1/4

1/8 NPT Female Thread to Tube Elbows 540

V

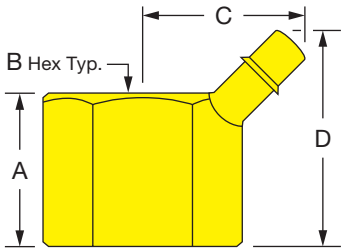


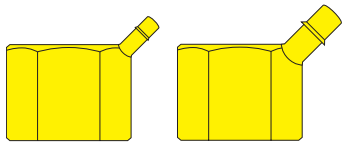
Note: *Dimensions may vary at time of manufacturing. Consult factory for details!*

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/8FLB.031	1/8FLB.031-SS	1/8FLB.031-316SS	1/8FLB.031-NP	1/2	9/16	7/16
.040 / 1mm	1/8FLB.040	1/8FLB.040-SS	1/8FLB.040-316SS	1/8FLB.040-NP	1/2	9/16	7/16
3/64	1/8FLB.045	1/8FLB.045-SS	1/8FLB.045-316SS	1/8FLB.045-NP	1/2	9/16	7/16
.050	1/8FLB.050	1/8FLB.050-SS	1/8FLB.050-316SS	1/8FLB.050-NP	1/2	9/16	7/16
1/16	1/8FLB1	1/8FLB1-SS	1/8FLB1-316SS	1/8FLB1-NP	1/2	9/16	1/2
5/64 / 2mm	1/8FLB2	1/8FLB2-SS	1/8FLB2-316SS	1/8FLB2-NP	1/2	9/16	1/2
3/32	1/8FLB2 1/2	1/8FLB2 1/2-SS	1/8FLB2 1/2-316SS	1/8FLB2 1/2-NP	1/2	9/16	1/2
1/8	1/8FLB3	1/8FLB3-SS	1/8FLB3-316SS	1/8FLB3-NP	1/2	9/16	19/32
5/32 / 4mm	1/8FLB3 1/2	1/8FLB3 1/2-SS	1/8FLB3 1/2-316SS	1/8FLB3 1/2-NP	1/2	9/16	19/32
.170	1/8FLB4	1/8FLB4-SS	1/8FLB4-316SS	1/8FLB4-NP	1/2	9/16	5/8
3/16	1/8FLB5	1/8FLB5-SS	1/8FLB5-316SS	1/8FLB5-NP	1/2	9/16	21/32
7/32	1/8FLB5 1/2	1/8FLB5 1/2-SS	1/8FLB5 1/2-316SS	1/8FLB5 1/2-NP	1/2	9/16	21/32
6mm	1/8FLB5 3/4	1/8FLB5 3/4-SS	1/8FLB5 3/4-316SS	1/8FLB5 3/4-NP	9/16	9/16	25/32
1/4	1/8FLB6	1/8FLB6-SS	1/8FLB6-316SS	1/8FLB6-NP	9/16	9/16	25/32
5/16 / 8mm	1/8FLB7	1/8FLB7-SS	1/8FLB7-316SS	1/8FLB7-NP	1 5/64	3/4	1
3/8	1/8FLB8	1/8FLB8-SS	1/8FLB8-316SS	1/8FLB8-NP	1 5/64	3/4	29/32
1/2	1/8FLB10	1/8FLB10-SS	1/8FLB10-316SS	1/8FLB10-NP	1 5/64	3/4	1 1/8

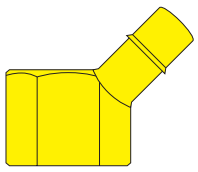
541 1/8 NPT Female Thread to Tube 45° Elbows

Tube ID	Part Numbers				Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/32	1/8FLB.031-45°	1/8FLB.031-45°-SS	1/8FLB.031-45°-316SS	1/8FLB.031-45°-NP	1/2	9/16	Consult Factory	Consult Factory
.040 / 1mm	1/8FLB.040-45°	1/8FLB.040-45°-SS	1/8FLB.040-45°-316SS	1/8FLB.040-45°-NP	1/2	9/16		
3/64	1/8FLB.045-45°	1/8FLB.045-45°-SS	1/8FLB.045-45°-316SS	1/8FLB.045-45°-NP	1/2	9/16		
.050	1/8FLB.050-45°	1/8FLB.050-45°-SS	1/8FLB.050-45°-316SS	1/8FLB.050-45°-NP	1/2	9/16		
1/16	1/8FLB1-45°	1/8FLB1-45°-SS	1/8FLB1-45°-316SS	1/8FLB1-45°-NP	1/2	9/16		
5/64 / 2mm	1/8FLB2-45°	1/8FLB2-45°-SS	1/8FLB2-45°-316SS	1/8FLB2-45°-NP	1/2	9/16		
3/32	1/8FLB2 1/2-45°	1/8FLB2 1/2-45°-SS	1/8FLB2 1/2-45°-316SS	1/8FLB2 1/2-45°-NP	1/2	9/16		
1/8	1/8FLB3-45°	1/8FLB3-45°-SS	1/8FLB3-45°-316SS	1/8FLB3-45°-NP	1/2	9/16		
5/32 / 4mm	1/8FLB3 1/2-45°	1/8FLB3 1/2-45°-SS	1/8FLB3 1/2-45°-316SS	1/8FLB3 1/2-45°-NP	1/2	9/16		
.170	1/8FLB4-45°	1/8FLB4-45°-SS	1/8FLB4-45°-316SS	1/8FLB4-45°-NP	1/2	9/16		
3/16	1/8FLB5-45°	1/8FLB5-45°-SS	1/8FLB5-45°-316SS	1/8FLB5-45°-NP	1/2	9/16		
7/32	1/8FLB5 1/2-45°	1/8FLB5 1/2-45°-SS	1/8FLB5 1/2-45°-316SS	1/8FLB5 1/2-45°-NP	1/2	9/16		
6mm	1/8FLB5 3/4-45°	1/8FLB5 3/4-45°-SS	1/8FLB5 3/4-45°-316SS	1/8FLB5 3/4-45°-NP	1/2	9/16		29/32
1/4	1/8FLB6-45°	1/8FLB6-45°-SS	1/8FLB6-45°-316SS	1/8FLB6-45°-NP	1/2	9/16		29/32
5/16 / 8mm	1/8FLB7-45°	1/8FLB7-45°-SS	1/8FLB7-45°-316SS	1/8FLB7-45°-NP	Consult Factory			
3/8	1/8FLB8-45°	1/8FLB8-45°-SS	1/8FLB8-45°-316SS	1/8FLB8-45°-NP	Consult Factory			
1/2	1/8FLB10-45°	1/8FLB10-45°-SS	1/8FLB10-45°-316SS	1/8FLB10-45°-NP	Consult Factory			





1/8FLB1-45° 1/8FLB3-45°

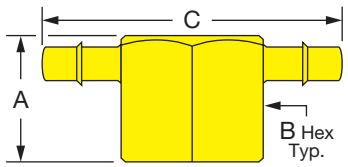


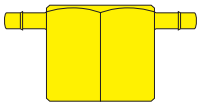
1/8FLB5 3/4-45°

Note: for systems that do not allow the degree symbol (°) to be used, it can be substituted with 'DEG' in the part number.

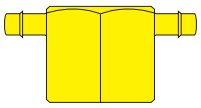
542 1/8 NPT Female Thread to Tube Tees

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/8FT.031	1/8FT.031-SS	1/8FT.031-316SS	1/8FT.031-NP	1/2	9/16	7/8
.040 / 1mm	1/8FT.040	1/8FT.040-SS	1/8FT.040-316SS	1/8FT.040-NP	1/2	9/16	7/8
3/64	1/8FT.045	1/8FT.045-SS	1/8FT.045-316SS	1/8FT.045-NP	1/2	9/16	7/8
.050	1/8FT.050	1/8FT.050-SS	1/8FT.050-316SS	1/8FT.050-NP	1/2	9/16	7/8
1/16	1/8FT1	1/8FT1-SS	1/8FT1-316SS	1/8FT1-NP	1/2	9/16	1
5/64 / 2mm	1/8FT2	1/8FT2-SS	1/8FT2-316SS	1/8FT2-NP	1/2	9/16	1
3/32	1/8FT2 1/2	1/8FT2 1/2-SS	1/8FT2 1/2-316SS	1/8FT2 1/2-NP	1/2	9/16	1
1/8	1/8FT3	1/8FT3-SS	1/8FT3-316SS	1/8FT3-NP	1/2	9/16	1 3/16
5/32 / 4mm	1/8FT3 1/2	1/8FT3 1/2-SS	1/8FT3 1/2-316SS	1/8FT3 1/2-NP	1/2	9/16	1 3/16
.170	1/8FT4	1/8FT4-SS	1/8FT4-316SS	1/8FT4-NP	1/2	9/16	1 1/4
3/16	1/8FT5	1/8FT5-SS	1/8FT5-316SS	1/8FT5-NP	1/2	9/16	1 5/16
7/32	1/8FT5 1/2	1/8FT5 1/2-SS	1/8FT5 1/2-316SS	1/8FT5 1/2-NP	1/2	9/16	1 5/16
6mm	1/8FT5 3/4	1/8FT5 3/4-SS	1/8FT5 3/4-316SS	1/8FT5 3/4-NP	9/16	9/16	1 9/16
1/4	1/8FT6	1/8FT6-SS	1/8FT6-316SS	1/8FT6-NP	9/16	9/16	1 9/16
5/16 / 8mm	1/8FT7	1/8FT7-SS	1/8FT7-316SS	1/8FT7-NP	1 5/64	3/4	2
3/8	1/8FT8	1/8FT8-SS	1/8FT8-316SS	1/8FT8-NP	1 5/64	3/4	1 13/16
1/2	1/8FT10	1/8FT10-SS	1/8FT10-316SS	1/8FT10-NP	1 5/64	3/4	2 1/4

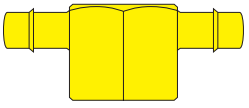




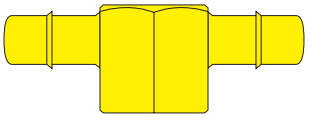
1/8FT1



1/8FT2 1/2



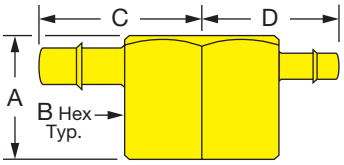
1/8FT4

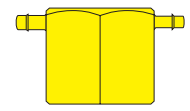


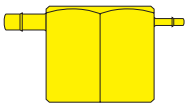
1/8FT6

Note: *Images are for visual representation only.*

1/8 NPT Female Thread to Tube Reducing Tees 543




1/8FRT.050-.045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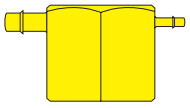
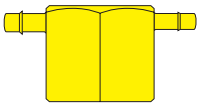

1/8FRT2-.040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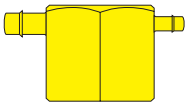
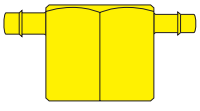

1/8FRT2½-.050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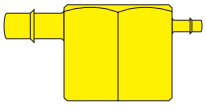
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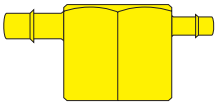
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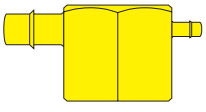
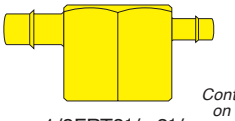

1/8FRT3½-.050

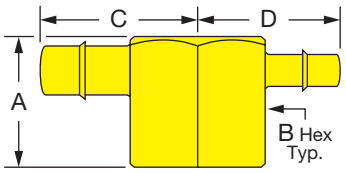

1/8FRT3½-2½

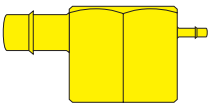
Continued on next page.

Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
.040 / 1mm	1/32	1/8FRT.040-.031	1/8FRT.040-.031-SS	1/8FRT.040-.031-316SS	1/8FRT.040-.031-NP	1/2	9/16	7/16	7/16
3/64	1/32	1/8FRT.045-.031	1/8FRT.045-.031-SS	1/8FRT.045-.031-316SS	1/8FRT.045-.031-NP	1/2	9/16	7/16	7/16
3/64	.040 / 1mm	1/8FRT.045-.040	1/8FRT.045-.040-SS	1/8FRT.045-.040-316SS	1/8FRT.045-.040-NP	1/2	9/16	7/16	7/16
.050	1/32	1/8FRT.050-.031	1/8FRT.050-.031-SS	1/8FRT.050-.031-316SS	1/8FRT.050-.031-NP	1/2	9/16	7/16	7/16
.050	.040 / 1mm	1/8FRT.050-.040	1/8FRT.050-.040-SS	1/8FRT.050-.040-316SS	1/8FRT.050-.040-NP	1/2	9/16	7/16	7/16
.050	1/64	1/8FRT.050-.045	1/8FRT.050-.045-SS	1/8FRT.050-.045-316SS	1/8FRT.050-.045-NP	1/2	9/16	7/16	7/16
1/16	1/32	1/8FRT1-.031	1/8FRT1-.031-SS	1/8FRT1-.031-316SS	1/8FRT1-.031-NP	1/2	9/16	1/2	7/16
1/16	.040 / 1mm	1/8FRT1-.040	1/8FRT1-.040-SS	1/8FRT1-.040-316SS	1/8FRT1-.040-NP	1/2	9/16	1/2	7/16
1/16	3/64	1/8FRT1-.045	1/8FRT1-.045-SS	1/8FRT1-.045-316SS	1/8FRT1-.045-NP	1/2	9/16	1/2	7/16
1/16	.050	1/8FRT1-.050	1/8FRT1-.050-SS	1/8FRT1-.050-316SS	1/8FRT1-.050-NP	1/2	9/16	1/2	7/16
5/64 / 2mm	1/32	1/8FRT2-.031	1/8FRT2-.031-SS	1/8FRT2-.031-316SS	1/8FRT2-.031-NP	1/2	9/16	1/2	7/16
5/64 / 2mm	.040 / 1mm	1/8FRT2-.040	1/8FRT2-.040-SS	1/8FRT2-.040-316SS	1/8FRT2-.040-NP	1/2	9/16	1/2	7/16
5/64 / 2mm	3/64	1/8FRT2-.045	1/8FRT2-.045-SS	1/8FRT2-.045-316SS	1/8FRT2-.045-NP	1/2	9/16	1/2	7/16
5/64 / 2mm	.050	1/8FRT2-.050	1/8FRT2-.050-SS	1/8FRT2-.050-316SS	1/8FRT2-.050-NP	1/2	9/16	1/2	7/16
5/64 / 2mm	1/16	1/8FRT2-1	1/8FRT2-1-SS	1/8FRT2-1-316SS	1/8FRT2-1-NP	1/2	9/16	1/2	1/2
3/32	1/32	1/8FRT2½-.031	1/8FRT2½-.031-SS	1/8FRT2½-.031-316SS	1/8FRT2½-.031-NP	1/2	9/16	1/2	7/16
3/32	.040 / 1mm	1/8FRT2½-.040	1/8FRT2½-.040-SS	1/8FRT2½-.040-316SS	1/8FRT2½-.040-NP	1/2	9/16	1/2	7/16
3/32	3/64	1/8FRT2½-.045	1/8FRT2½-.045-SS	1/8FRT2½-.045-316SS	1/8FRT2½-.045-NP	1/2	9/16	1/2	7/16
3/32	.050	1/8FRT2½-.050	1/8FRT2½-.050-SS	1/8FRT2½-.050-316SS	1/8FRT2½-.050-NP	1/2	9/16	1/2	7/16
3/32	1/16	1/8FRT2½-1	1/8FRT2½-1-SS	1/8FRT2½-1-316SS	1/8FRT2½-1-NP	1/2	9/16	1/2	1/2
3/32	5/64 / 2mm	1/8FRT2½-2	1/8FRT2½-2-SS	1/8FRT2½-2-316SS	1/8FRT2½-2-NP	1/2	9/16	1/2	1/2
1/8	1/32	1/8FRT3-.031	1/8FRT3-.031-SS	1/8FRT3-.031-316SS	1/8FRT3-.031-NP	1/2	9/16	1/2	7/16
1/8	.040 / 1mm	1/8FRT3-.040	1/8FRT3-.040-SS	1/8FRT3-.040-316SS	1/8FRT3-.040-NP	1/2	9/16	1/2	7/16
1/8	3/64	1/8FRT3-.045	1/8FRT3-.045-SS	1/8FRT3-.045-316SS	1/8FRT3-.045-NP	1/2	9/16	19/32	7/16
1/8	.050	1/8FRT3-.050	1/8FRT3-.050-SS	1/8FRT3-.050-316SS	1/8FRT3-.050-NP	1/2	9/16	19/32	7/16
1/8	1/16	1/8FRT3-1	1/8FRT3-1-SS	1/8FRT3-1-316SS	1/8FRT3-1-NP	1/2	9/16	19/32	1/2
1/8	5/64 / 2mm	1/8FRT3-2	1/8FRT3-2-SS	1/8FRT3-2-316SS	1/8FRT3-2-NP	1/2	9/16	19/32	1/2
1/8	3/32	1/8FRT3-2½	1/8FRT3-2½-SS	1/8FRT3-2½-316SS	1/8FRT3-2½-NP	1/2	9/16	19/32	1/2
5/32	1/32	1/8FRT3½-.031	1/8FRT3½-.031-SS	1/8FRT3½-.031-316SS	1/8FRT3½-.031-NP	1/2	9/16	19/32	7/16
5/32	.040 / 1mm	1/8FRT3½-.040	1/8FRT3½-.040-SS	1/8FRT3½-.040-316SS	1/8FRT3½-.040-NP	1/2	9/16	19/32	7/16
5/32	3/64	1/8FRT3½-.045	1/8FRT3½-.045-SS	1/8FRT3½-.045-316SS	1/8FRT3½-.045-NP	1/2	9/16	19/32	7/16
5/32	.050	1/8FRT3½-.050	1/8FRT3½-.050-SS	1/8FRT3½-.050-316SS	1/8FRT3½-.050-NP	1/2	9/16	19/32	7/16
5/32	1/16	1/8FRT3½-1	1/8FRT3½-1-SS	1/8FRT3½-1-316SS	1/8FRT3½-1-NP	1/2	9/16	19/32	1/2
5/32	5/64 / 2mm	1/8FRT3½-2	1/8FRT3½-2-SS	1/8FRT3½-2-316SS	1/8FRT3½-2-NP	1/2	9/16	19/32	1/2
5/32	3/32	1/8FRT3½-2½	1/8FRT3½-2½-SS	1/8FRT3½-2½-316SS	1/8FRT3½-2½-NP	1/2	9/16	19/32	1/2
5/32	1/8	1/8FRT3½-3	1/8FRT3½-3-SS	1/8FRT3½-3-316SS	1/8FRT3½-3-NP	1/2	9/16	19/32	19/32

544 1/8 NPT Female Thread to Tube Reducing Tees (continued)

Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
.170	1/32	1/8FRT4-.031	1/8FRT4-.031-SS	1/8FRT4-.031-316SS	1/8FRT4-.031-NP	1/2	9/16	5/8	19/32
.170	.040 / 1mm	1/8FRT4-.040	1/8FRT4-.040-SS	1/8FRT4-.040-316SS	1/8FRT4-.040-NP	1/2	9/16	5/8	7/16
.170	3/64	1/8FRT4-.045	1/8FRT4-.045-SS	1/8FRT4-.045-316SS	1/8FRT4-.045-NP	1/2	9/16	5/8	7/16
.170	.050	1/8FRT4-.050	1/8FRT4-.050-SS	1/8FRT4-.050-316SS	1/8FRT4-.050-NP	1/2	9/16	5/8	7/16
.170	1/16	1/8FRT4-1	1/8FRT4-1-SS	1/8FRT4-1-316SS	1/8FRT4-1-NP	1/2	9/16	5/8	1/2
.170	5/64 / 2mm	1/8FRT4-2	1/8FRT4-2-SS	1/8FRT4-2-316SS	1/8FRT4-2-NP	1/2	9/16	5/8	1/2
.170	3/32	1/8FRT4-2 1/2	1/8FRT4-2 1/2-SS	1/8FRT4-2 1/2-316SS	1/8FRT4-2 1/2-NP	1/2	9/16	5/8	1/2
.170	1/8	1/8FRT4-3	1/8FRT4-3-SS	1/8FRT4-3-316SS	1/8FRT4-3-NP	1/2	9/16	5/8	19/32
.170	5/32 / 4mm	1/8FRT4-3 1/2	1/8FRT4-3 1/2-SS	1/8FRT4-3 1/2-316SS	1/8FRT4-3 1/2-NP	1/2	9/16	5/8	19/32
3/16	1/32	1/8FRT5-.031	1/8FRT5-.031-SS	1/8FRT5-.031-316SS	1/8FRT5-.031-NP	1/2	9/16	21/32	7/16
3/16	.040 / 1mm	1/8FRT5-.040	1/8FRT5-.040-SS	1/8FRT5-.040-316SS	1/8FRT5-.040-NP	1/2	9/16	21/32	7/16
3/16	3/64	1/8FRT5-.045	1/8FRT5-.045-SS	1/8FRT5-.045-316SS	1/8FRT5-.045-NP	1/2	9/16	21/32	7/16
3/16	.050	1/8FRT5-.050	1/8FRT5-.050-SS	1/8FRT5-.050-316SS	1/8FRT5-.050-NP	1/2	9/16	21/32	7/16
3/16	1/16	1/8FRT5-1	1/8FRT5-1-SS	1/8FRT5-1-316SS	1/8FRT5-1-NP	1/2	9/16	21/32	1/2
3/16	5/64 / 2mm	1/8FRT5-2	1/8FRT5-2-SS	1/8FRT5-2-316SS	1/8FRT5-2-NP	1/2	9/16	21/32	1/2
3/16	3/32	1/8FRT5-2 1/2	1/8FRT5-2 1/2-SS	1/8FRT5-2 1/2-316SS	1/8FRT5-2 1/2-NP	1/2	9/16	21/32	1/2
3/16	1/8	1/8FRT5-3	1/8FRT5-3-SS	1/8FRT5-3-316SS	1/8FRT5-3-NP	1/2	9/16	21/32	19/32
3/16	5/32 / 4mm	1/8FRT5-3 1/2	1/8FRT5-3 1/2-SS	1/8FRT5-3 1/2-316SS	1/8FRT5-3 1/2-NP	1/2	9/16	21/32	19/32
3/16	.170	1/8FRT5-4	1/8FRT5-4-SS	1/8FRT5-4-316SS	1/8FRT5-4-NP	1/2	9/16	21/32	5/8
7/32	1/16	1/8FRT5 1/2-1	1/8FRT5 1/2-1-SS	1/8FRT5 1/2-1-316SS	1/8FRT5 1/2-1-NP	1/2	9/16	21/32	1/2
7/32	5/64 / 2mm	1/8FRT5 1/2-2	1/8FRT5 1/2-2-SS	1/8FRT5 1/2-2-316SS	1/8FRT5 1/2-2-NP	1/2	9/16	21/32	1/2
7/32	3/32	1/8FRT5 1/2-2 1/2	1/8FRT5 1/2-2 1/2-SS	1/8FRT5 1/2-2 1/2-316SS	1/8FRT5 1/2-2 1/2-NP	1/2	9/16	21/32	1/2
7/32	1/8	1/8FRT5 1/2-3	1/8FRT5 1/2-3-SS	1/8FRT5 1/2-3-316SS	1/8FRT5 1/2-3-NP	1/2	9/16	21/32	19/32
7/32	5/32 / 4mm	1/8FRT5 1/2-3 1/2	1/8FRT5 1/2-3 1/2-SS	1/8FRT5 1/2-3 1/2-316SS	1/8FRT5 1/2-3 1/2-NP	1/2	9/16	21/32	19/32
7/32	.170	1/8FRT5 1/2-4	1/8FRT5 1/2-4-SS	1/8FRT5 1/2-4-316SS	1/8FRT5 1/2-4-NP	1/2	9/16	21/32	5/8
7/32	3/16	1/8FRT5 1/2-5	1/8FRT5 1/2-5-SS	1/8FRT5 1/2-5-316SS	1/8FRT5 1/2-5-NP	1/2	9/16	21/32	21/32
6mm	1/16	1/8FRT5 3/4-1	1/8FRT5 3/4-1-SS	1/8FRT5 3/4-1-316SS	1/8FRT5 3/4-1-NP	9/16	9/16	25/32	1/2
6mm	5/64 / 2mm	1/8FRT5 3/4-2	1/8FRT5 3/4-2-SS	1/8FRT5 3/4-2-316SS	1/8FRT5 3/4-2-NP	9/16	9/16	25/32	1/2
6mm	3/32	1/8FRT5 3/4-2 1/2	1/8FRT5 3/4-2 1/2-SS	1/8FRT5 3/4-2 1/2-316SS	1/8FRT5 3/4-2 1/2-NP	9/16	9/16	25/32	1/2
6mm	1/8	1/8FRT5 3/4-3	1/8FRT5 3/4-3-SS	1/8FRT5 3/4-3-316SS	1/8FRT5 3/4-3-NP	9/16	9/16	25/32	19/32
6mm	5/32 / 4mm	1/8FRT5 3/4-3 1/2	1/8FRT5 3/4-3 1/2-SS	1/8FRT5 3/4-3 1/2-316SS	1/8FRT5 3/4-3 1/2-NP	9/16	9/16	25/32	19/32
6mm	.170	1/8FRT5 3/4-4	1/8FRT5 3/4-4-SS	1/8FRT5 3/4-4-316SS	1/8FRT5 3/4-4-NP	9/16	9/16	25/32	5/8
6mm	3/16	1/8FRT5 3/4-5	1/8FRT5 3/4-5-SS	1/8FRT5 3/4-5-316SS	1/8FRT5 3/4-5-NP	9/16	9/16	25/32	21/32
6mm	7/32	1/8FRT5 3/4-5 1/2	1/8FRT5 3/4-5 1/2-SS	1/8FRT5 3/4-5 1/2-316SS	1/8FRT5 3/4-5 1/2-NP	9/16	9/16	25/32	21/32
1/4	1/16	1/8FRT6-1	1/8FRT6-1-SS	1/8FRT6-1-316SS	1/8FRT6-1-NP	9/16	9/16	25/32	1/2
1/4	5/64 / 2mm	1/8FRT6-2	1/8FRT6-2-SS	1/8FRT6-2-316SS	1/8FRT6-2-NP	9/16	9/16	25/32	1/2
1/4	3/32	1/8FRT6-2 1/2	1/8FRT6-2 1/2-SS	1/8FRT6-2 1/2-316SS	1/8FRT6-2 1/2-NP	9/16	9/16	25/32	1/2
1/4	1/8	1/8FRT6-3	1/8FRT6-3-SS	1/8FRT6-3-316SS	1/8FRT6-3-NP	9/16	9/16	25/32	19/32

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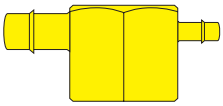
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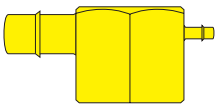
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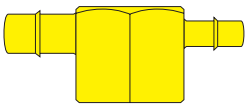
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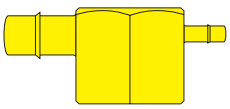
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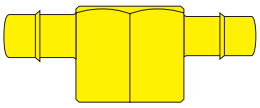
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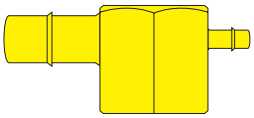
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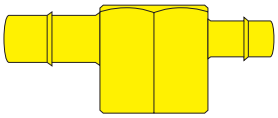
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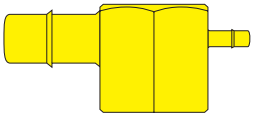
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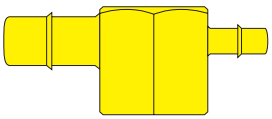
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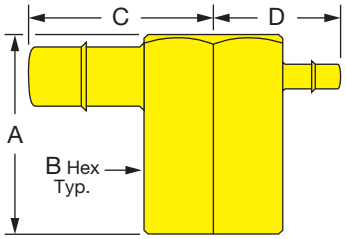
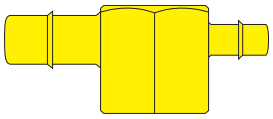
V

1/8 NPT Female Thread to Tube Reducing Tees (continued) 545

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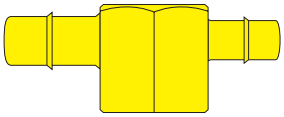
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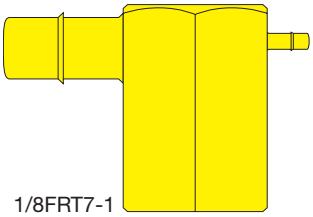
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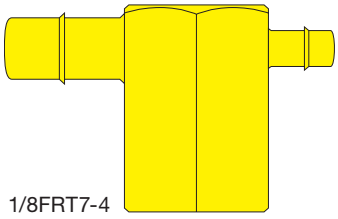
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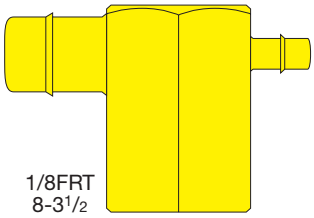
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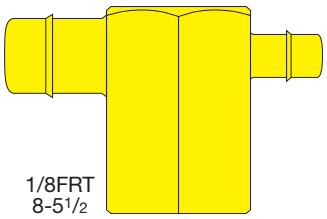
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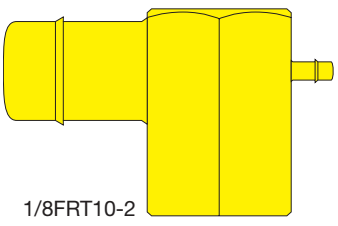
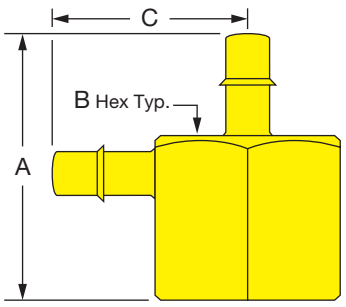

1/8FRT10-2

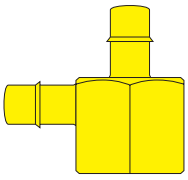
Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/4	5/32 / 4mm	1/8FRT6-3 1/2	1/8FRT6-3 1/2-SS	1/8FRT6-3 1/2-316SS	1/8FRT6-3 1/2-NP	9/16	9/16	25/32	19/32
1/4	.170	1/8FRT6-4	1/8FRT6-4-SS	1/8FRT6-4-316SS	1/8FRT6-4-NP	9/16	9/16	25/32	5/8
1/4	3/16	1/8FRT6-5	1/8FRT6-5-SS	1/8FRT6-5-316SS	1/8FRT6-5-NP	9/16	9/16	25/32	21/32
1/4	7/32	1/8FRT6-5 1/2	1/8FRT6-5 1/2-SS	1/8FRT6-5 1/2-316SS	1/8FRT6-5 1/2-NP	9/16	9/16	25/32	21/32
1/4	6mm	1/8FRT6-5 3/4	1/8FRT6-5 3/4-SS	1/8FRT6-5 3/4-316SS	1/8FRT6-5 3/4-NP	9/16	9/16	25/32	25/32
5/16 / 8mm	1/16	1/8FRT7-1	1/8FRT7-1-SS	1/8FRT7-1-316SS	1/8FRT7-1-NP	3/4	3/4	1	19/32
5/16 / 8mm	5/64 / 2mm	1/8FRT7-2	1/8FRT7-2-SS	1/8FRT7-2-316SS	1/8FRT7-2-NP	3/4	3/4	1	19/32
5/16 / 8mm	3/32	1/8FRT7-2 1/2	1/8FRT7-2 1/2-SS	1/8FRT7-2 1/2-316SS	1/8FRT7-2 1/2-NP	3/4	3/4	1	19/32
5/16 / 8mm	1/8	1/8FRT7-3	1/8FRT7-3-SS	1/8FRT7-3-316SS	1/8FRT7-3-NP	3/4	3/4	1	19/32
5/16 / 8mm	5/32 / 4mm	1/8FRT7-3 1/2	1/8FRT7-3 1/2-SS	1/8FRT7-3 1/2-316SS	1/8FRT7-3 1/2-NP	3/4	3/4	1	19/32
5/16 / 8mm	.170	1/8FRT7-4	1/8FRT7-4-SS	1/8FRT7-4-316SS	1/8FRT7-4-NP	3/4	3/4	1	5/8
5/16 / 8mm	3/16	1/8FRT7-5	1/8FRT7-5-SS	1/8FRT7-5-316SS	1/8FRT7-5-NP	3/4	3/4	1	21/32
5/16 / 8mm	7/32	1/8FRT7-5 1/2	1/8FRT7-5 1/2-SS	1/8FRT7-5 1/2-316SS	1/8FRT7-5 1/2-NP	3/4	3/4	1	21/32
5/16 / 8mm	6mm	1/8FRT7-5 3/4	1/8FRT7-5 3/4-SS	1/8FRT7-5 3/4-316SS	1/8FRT7-5 3/4-NP	3/4	3/4	1	25/32
5/16 / 8mm	1/4	1/8FRT7-6	1/8FRT7-6-SS	1/8FRT7-6-316SS	1/8FRT7-6-NP	3/4	3/4	1	25/32
3/8	1/16	1/8FRT8-1	1/8FRT8-1-SS	1/8FRT8-1-316SS	1/8FRT8-1-NP	3/4	3/4	29/32	19/32
3/8	5/64 / 2mm	1/8FRT8-2	1/8FRT8-2-SS	1/8FRT8-2-316SS	1/8FRT8-2-NP	3/4	3/4	29/32	19/32
3/8	3/32	1/8FRT8-2 1/2	1/8FRT8-2 1/2-SS	1/8FRT8-2 1/2-316SS	1/8FRT8-2 1/2-NP	3/4	3/4	29/32	19/32
3/8	1/8	1/8FRT8-3	1/8FRT8-3-SS	1/8FRT8-3-316SS	1/8FRT8-3-NP	3/4	3/4	29/32	19/32
3/8	5/32 / 4mm	1/8FRT8-3 1/2	1/8FRT8-3 1/2-SS	1/8FRT8-3 1/2-316SS	1/8FRT8-3 1/2-NP	3/4	3/4	29/32	19/32
3/8	.170	1/8FRT8-4	1/8FRT8-4-SS	1/8FRT8-4-316SS	1/8FRT8-4-NP	3/4	3/4	29/32	5/8
3/8	3/16	1/8FRT8-5	1/8FRT8-5-SS	1/8FRT8-5-316SS	1/8FRT8-5-NP	3/4	3/4	29/32	21/32
3/8	7/32	1/8FRT8-5 1/2	1/8FRT8-5 1/2-SS	1/8FRT8-5 1/2-316SS	1/8FRT8-5 1/2-NP	3/4	3/4	29/32	21/32
3/8	6mm	1/8FRT8-5 3/4	1/8FRT8-5 3/4-SS	1/8FRT8-5 3/4-316SS	1/8FRT8-5 3/4-NP	3/4	3/4	29/32	25/32
3/8	1/4	1/8FRT8-6	1/8FRT8-6-SS	1/8FRT8-6-316SS	1/8FRT8-6-NP	3/4	3/4	29/32	25/32
3/8	5/16 / 8mm	1/8FRT8-7	1/8FRT8-7-SS	1/8FRT8-7-316SS	1/8FRT8-7-NP	3/4	3/4	29/32	1
1/2	1/16	1/8FRT10-1	1/8FRT10-1-SS	1/8FRT10-1-316SS	1/8FRT10-1-NP	3/4	3/4	1 1/8	19/32
1/2	5/64 / 2mm	1/8FRT10-2	1/8FRT10-2-SS	1/8FRT10-2-316SS	1/8FRT10-2-NP	3/4	3/4	1 1/8	19/32
1/2	3/32	1/8FRT10-2 1/2	1/8FRT10-2 1/2-SS	1/8FRT10-2 1/2-316SS	1/8FRT10-2 1/2-NP	3/4	3/4	1 1/8	19/32
1/2	1/8	1/8FRT10-3	1/8FRT10-3-SS	1/8FRT10-3-316SS	1/8FRT10-3-NP	3/4	3/4	1 1/8	19/32
1/2	5/32 / 4mm	1/8FRT10-3 1/2	1/8FRT10-3 1/2-SS	1/8FRT10-3 1/2-316SS	1/8FRT10-3 1/2-NP	3/4	3/4	1 1/8	19/32
1/2	.170	1/8FRT10-4	1/8FRT10-4-SS	1/8FRT10-4-316SS	1/8FRT10-4-NP	3/4	3/4	1 1/8	5/8
1/2	3/16	1/8FRT10-5	1/8FRT10-5-SS	1/8FRT10-5-316SS	1/8FRT10-5-NP	3/4	3/4	1 1/8	21/32
1/2	7/32	1/8FRT10-5 1/2	1/8FRT10-5 1/2-SS	1/8FRT10-5 1/2-316SS	1/8FRT10-5 1/2-NP	3/4	3/4	1 1/8	21/32
1/2	6mm	1/8FRT10-5 3/4	1/8FRT10-5 3/4-SS	1/8FRT10-5 3/4-316SS	1/8FRT10-5 3/4-NP	3/4	3/4	1 1/8	25/32
1/2	1/4	1/8FRT10-6	1/8FRT10-6-SS	1/8FRT10-6-316SS	1/8FRT10-6-NP	3/4	3/4	1 1/8	25/32
1/2	5/16 / 8mm	1/8FRT10-7	1/8FRT10-7-SS	1/8FRT10-7-316SS	1/8FRT10-7-NP	3/4	3/4	1 1/8	1
1/2	3/8	1/8FRT10-8	1/8FRT10-8-SS	1/8FRT10-8-316SS	1/8FRT10-8-NP	3/4	3/4	1 1/8	29/32

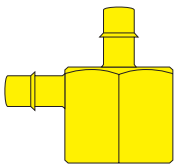
Note: *Dimensions may vary at time of manufacturing.*

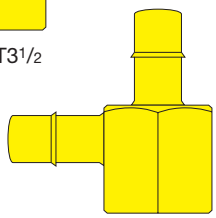
546 1/8 NPT Female Thread to Tube L-Tees

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/8FLT.031	1/8FLT.031-SS	1/8FLT.031-316SS	1/8FLT.031-NP	21/32	9/16	7/16
.040 / 1mm	1/8FLT.040	1/8FLT.040-SS	1/8FLT.040-316SS	1/8FLT.040-NP	21/32	9/16	7/16
3/64	1/8FLT.045	1/8FLT.045-SS	1/8FLT.045-316SS	1/8FLT.045-NP	21/32	9/16	7/16
.050	1/8FLT.050	1/8FLT.050-SS	1/8FLT.050-316SS	1/8FLT.050-NP	21/32	9/16	7/16
1/16	1/8FLT1	1/8FLT1-SS	1/8FLT1-316SS	1/8FLT1-NP	23/32	9/16	1/2
5/64 / 2mm	1/8FLT2	1/8FLT2-SS	1/8FLT2-316SS	1/8FLT2-NP	23/32	9/16	1/2
3/32	1/8FLT2 1/2	1/8FLT2 1/2-SS	1/8FLT2 1/2-316SS	1/8FLT2 1/2-NP	23/32	9/16	1/2
1/8	1/8FLT3	1/8FLT3-SS	1/8FLT3-316SS	1/8FLT3-NP	13/16	9/16	19/32
5/32 / 4mm	1/8FLT3 1/2	1/8FLT3 1/2-SS	1/8FLT3 1/2-316SS	1/8FLT3 1/2-NP	13/16	9/16	19/32
.170	1/8FLT4	1/8FLT4-SS	1/8FLT4-316SS	1/8FLT4-NP	27/32	9/16	5/8
3/16	1/8FLT5	1/8FLT5-SS	1/8FLT5-316SS	1/8FLT5-NP	7/8	9/16	21/32
7/32	1/8FLT5 1/2	1/8FLT5 1/2-SS	1/8FLT5 1/2-316SS	1/8FLT5 1/2-NP	7/8	9/16	21/32
6mm	1/8FLT5 3/4	1/8FLT5 3/4-SS	1/8FLT5 3/4-316SS	1/8FLT5 3/4-NP	1	9/16	25/32
1/4	1/8FLT6	1/8FLT6-SS	1/8FLT6-316SS	1/8FLT6-NP	1	9/16	25/32
5/16 / 8mm	1/8FLT7	1/8FLT7-SS	1/8FLT7-316SS	1/8FLT7-NP	1 3/8	3/4	1
3/8	1/8FLT8	1/8FLT8-SS	1/8FLT8-316SS	1/8FLT8-NP	1 9/32	3/4	29/32
1/2	1/8FLT10	1/8FLT10-SS	1/8FLT10-316SS	1/8FLT10-NP	1 1/2	3/4	1 1/8




1/8FLT5


1/8FLT3 1/2


1/8FLT5 3/4

Note: *Dimensions may vary at time of manufacturing. Consult factory for details.*

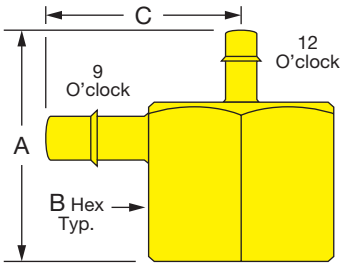
547 1/8 NPT Female Thread to Tube Reducing L-Tees

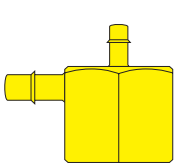
V

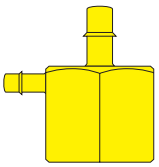
Tube ID	Branches Branch Number	Dimensions (Reference) A Ref.	B Typ.	C Ref.
1/32	.031	Consult Factory	9/16	7/16
.040 / 1mm	.040		9/16	7/16
3/64	.045		9/16	7/16
.050	.050		9/16	7/16
1/16	1		9/16	1/2
5/64 / 2mm	2		9/16	1/2
3/32	2 1/2		9/16	1/2
1/8	3		9/16	19/32
5/32 / 4mm	3 1/2		9/16	19/32

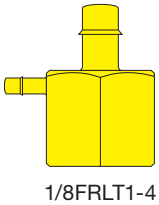
Tube ID	Branches Branch Number	Dimensions (Reference) A Ref.	B Typ.	C Ref.
.170	4	Consult Factory	9/16	5/8
3/16	5		9/16	21/32
7/32	5 1/2		9/16	21/32
6mm	5 3/4		9/16	25/32
1/4	6		9/16	25/32
5/16 / 8mm	7		3/4	1
3/8	8		3/4	29/32
1/2	10		3/4	1 1/8

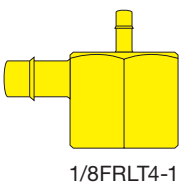
Note: *Dimensions may vary at time of manufacturing and according to branch options chosen. Consult factory for details!*




1/8FRLT3-2


1/8FRLT2-3


1/8FRLT1-4


1/8FRLT4-1

Note: *Images are for visual representation only; not intended for dimensional measurements.*

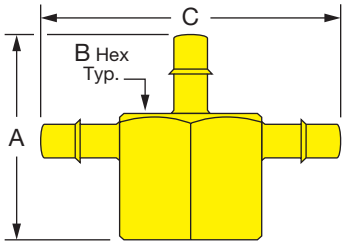
Part Numbers for 1/8 NPT Female Thread to Tube Reducing L-Tees:

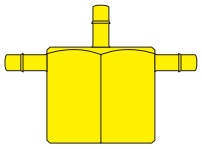
Thread Size → **1/8** **FRLT** **#** **-** **#** ← 12 O'clock Branch #

Fitting Series ↑ ↑ 9 O'clock Branch #

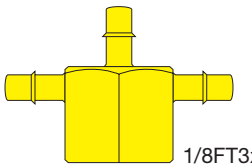
Unless otherwise specified, parts will be Brass. For other materials, add these codes to the part number:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

1/8 NPT Female Thread to Tube Tees x 3 — 548

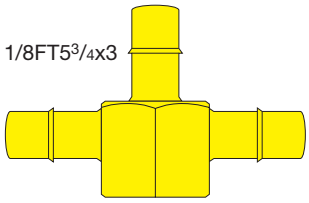




1/8FT1x3



1/8FT3x3



1/8FT5$^{3}/_{4}$x3

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/8FT.031x3	1/8FT.031x3-SS	1/8FT.031x3-316SS	1/8FT.031x3-NP	11/16	9/16	7/8
.040 / 1mm	1/8FT.040x3	1/8FT.040x3-SS	1/8FT.040x3-316SS	1/8FT.040x3-NP	11/16	9/16	7/8
3/64	1/8FT.045x3	1/8FT.045x3-SS	1/8FT.045x3-316SS	1/8FT.045x3-NP	11/16	9/16	7/8
.050	1/8FT.050x3	1/8FT.050x3-SS	1/8FT.050x3-316SS	1/8FT.050x3-NP	11/16	9/16	7/8
1/16	1/8FT1x3	1/8FT1x3-SS	1/8FT1x3-316SS	1/8FT1x3-NP	23/32	9/16	1
5/64 / 2mm	1/8FT2x3	1/8FT2x3-SS	1/8FT2x3-316SS	1/8FT2x3-NP	23/32	9/16	1
3/32	1/8FT2 1/2x3	1/8FT2 1/2x3-SS	1/8FT2 1/2x3-316SS	1/8FT2 1/2x3-NP	23/32	9/16	1
1/8	1/8FT3x3	1/8FT3x3-SS	1/8FT3x3-316SS	1/8FT3x3-NP	13/16	9/16	1 3/16
5/32 / 4mm	1/8FT3 1/2x3	1/8FT3 1/2x3-SS	1/8FT3 1/2x3-316SS	1/8FT3 1/2x3-NP	13/16	9/16	1 3/16
.170	1/8FT4x3	1/8FT4x3-SS	1/8FT4x3-316SS	1/8FT4x3-NP	27/32	9/16	1 1/4
3/16	1/8FT5x3	1/8FT5x3-SS	1/8FT5x3-316SS	1/8FT5x3-NP	7/8	9/16	1 5/16
7/32	1/8FT5 1/2x3	1/8FT5 1/2x3-SS	1/8FT5 1/2x3-316SS	1/8FT5 1/2x3-NP	7/8	9/16	1 5/16
6mm	1/8FT5 3/4x3	1/8FT5 3/4x3-SS	1/8FT5 3/4x3-316SS	1/8FT5 3/4x3-NP	1	9/16	1 9/16
1/4	1/8FT6x3	1/8FT6x3-SS	1/8FT6x3-316SS	1/8FT6x3-NP	1	9/16	1 9/16
5/16 / 8mm	1/8FT7x3	1/8FT7x3-SS	1/8FT7x3-316SS	1/8FT7x3-NP	1 3/8	3/4	2
3/8	1/8FT8x3	1/8FT8x3-SS	1/8FT8x3-316SS	1/8FT8x3-NP	1 9/32	3/4	1 13/16
1/2	1/8FT10x3	1/8FT10x3-SS	1/8FT10x3-316SS	1/8FT10x3-NP	1 1/2	3/4	2 1/4

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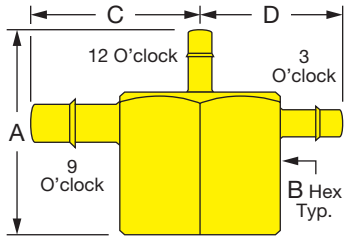
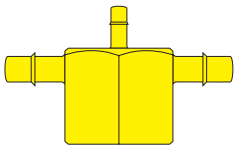
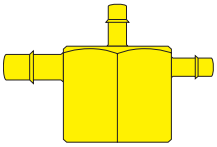
1/8 NPT Female Thread to Tube Reducing Tees x 3 — 549

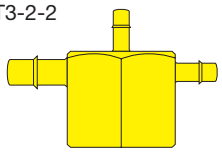




1/8FRT3-1-3



1/8FRT3-2-2



1/8FRT3-1-2

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	Consult Factory	9/16	7/16	7/16
.040 / 1mm	.040		9/16	7/16	7/16
3/64	.045		9/16	7/16	7/16
.050	.050		9/16	7/16	7/16
1/16	1		9/16	1/2	1/2
5/64 / 2mm	2		9/16	1/2	1/2
3/32	2 1/2		9/16	1/2	1/2
1/8	3		9/16	19/32	19/32
5/32 / 4mm	3 1/2		9/16	19/32	19/32

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
.170	4	Consult Factory	9/16	5/8	5/8
3/16	5		9/16	21/32	21/32
7/32	5 1/2		9/16	21/32	21/32
6mm	5 3/4		9/16	25/32	25/32
1/4	6		9/16	25/32	25/32
5/16 / 8mm	7		3/4	1	1
3/8	8		3/4	29/32	29/32
1/2	10		3/4	1 1/8	1 1/8

Note: *Dimensions may vary at time of manufacturing and according to branch options chosen. Consult factory for details!*

Part Numbers for 1/8 NPT Female Thread to Tube Reducing Tees x 3:

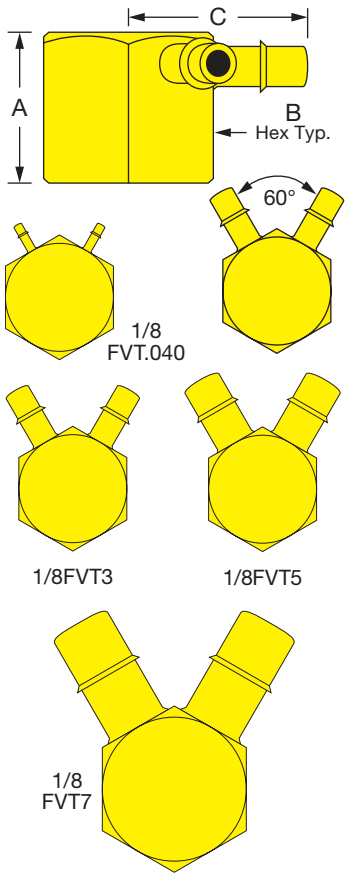
Thread Size → 1/8 — Fitting Series → FRT — # (9 O'clock Branch #) - # (12 O'clock Branch #) - # (3 O'clock Branch #)

Note: *Images are for visual representation only; not intended for dimensional measurements.*

Unless otherwise specified, parts will be Brass. To order other materials, use the following codes:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

550 1/8 NPT Female Thread to Tube V-Tees

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/8FVT.031	1/8FVT.031-SS	1/8FVT.031-316SS	1/8FVT.031-NP	1/2	9/16	7/16
.040 / 1mm	1/8FVT.040	1/8FVT.040-SS	1/8FVT.040-316SS	1/8FVT.040-NP	1/2	9/16	7/16
3/64	1/8FVT.045	1/8FVT.045-SS	1/8FVT.045-316SS	1/8FVT.045-NP	1/2	9/16	7/16
.050	1/8FVT.050	1/8FVT.050-SS	1/8FVT.050-316SS	1/8FVT.050-NP	1/2	9/16	7/16
1/16	1/8FVT1	1/8FVT1-SS	1/8FVT1-316SS	1/8FVT1-NP	1/2	9/16	1/2
5/64 / 2mm	1/8FVT2	1/8FVT2-SS	1/8FVT2-316SS	1/8FVT2-NP	1/2	9/16	1/2
3/32	1/8FVT2 1/2	1/8FVT2 1/2-SS	1/8FVT2 1/2-316SS	1/8FVT2 1/2-NP	1/2	9/16	1/2
1/8	1/8FVT3	1/8FVT3-SS	1/8FVT3-316SS	1/8FVT3-NP	1/2	9/16	19/32
5/32 / 4mm	1/8FVT3 1/2	1/8FVT3 1/2-SS	1/8FVT3 1/2-316SS	1/8FVT3 1/2-NP	1/2	9/16	19/32
.170	1/8FVT4	1/8FVT4-SS	1/8FVT4-316SS	1/8FVT4-NP	1/2	9/16	5/8
3/16	1/8FVT5	1/8FVT5-SS	1/8FVT5-316SS	1/8FVT5-NP	1/2	9/16	21/32
7/32	1/8FVT5 1/2	1/8FVT5 1/2-SS	1/8FVT5 1/2-316SS	1/8FVT5 1/2-NP	1/2	9/16	21/32
6mm	1/8FVT5 3/4	1/8FVT5 3/4-SS	1/8FVT5 3/4-316SS	1/8FVT5 3/4-NP	9/16	9/16	25/32
1/4	1/8FVT6	1/8FVT6-SS	1/8FVT6-316SS	1/8FVT6-NP	9/16	9/16	25/32
5/16 / 8mm	1/8FVT7	1/8FVT7-SS	1/8FVT7-316SS	1/8FVT7-NP	1 5/64	3/4	1
3/8	1/8FVT8	1/8FVT8-SS	1/8FVT8-316SS	1/8FVT8-NP	1 5/64	3/4	29/32
1/2	1/8FVT10	1/8FVT10-SS	1/8FVT10-316SS	1/8FVT10-NP	1 5/64	3/4	1 1/8



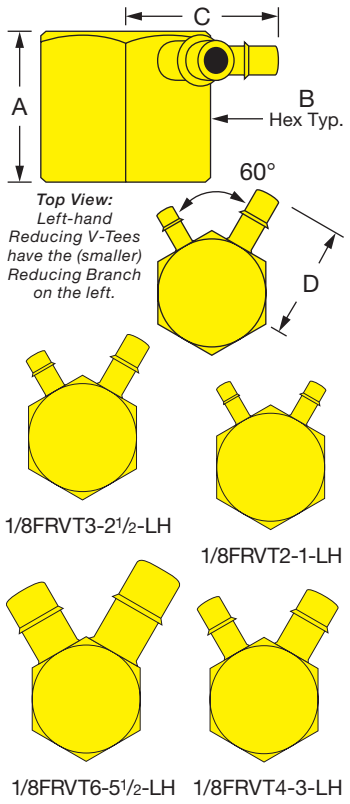
551 1/8 NPT Female Thread to Tube Reducing Left-Hand V-Tees

V

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	1/2	9/16	7/16	7/16
.040 / 1mm	.040	1/2	9/16	7/16	7/16
3/64	.045	1/2	9/16	7/16	7/16
.050	.050	1/2	9/16	7/16	7/16
1/16	1	1/2	9/16	1/2	1/2
5/64 / 2mm	2	1/2	9/16	1/2	1/2
3/32	2 1/2	1/2	9/16	1/2	1/2
1/8	3	1/2	9/16	19/32	19/32
5/32 / 4mm	3 1/2	1/2	9/16	19/32	19/32

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
.170	4	1/2	9/16	5/8	5/8
3/16	5	1/2	9/16	21/32	21/32
7/32	5 1/2	1/2	9/16	21/32	21/32
6mm	5 3/4	9/16	9/16	25/32	25/32
1/4	6	9/16	9/16	25/32	25/32
5/16 / 8mm	7	1 5/64	3/4	1	1
3/8	8	1 5/64	3/4	29/32	29/32
1/2	10	1 5/64	3/4	1 1/8	1 1/8

Note: *Dimensions may vary at time of manufacturing and according to branch options chosen. Consult factory for details!*

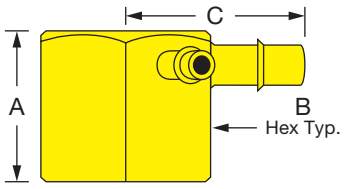


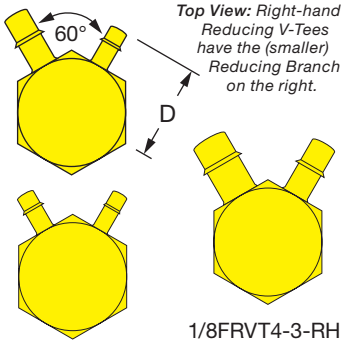
Part Numbers for 1/8 NPT Female Thread to Tube Reducing Left-Hand V-Tees:

Thread Size → 1/8 FRVT (Fitting Series) # (Larger Branch #) - # (Smaller Branch #) LH ← Left-Hand Indicator

Unless otherwise specified, parts will be Brass. To order other materials, use the following codes:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

1/8 NPT Female Thread to Tube Reducing Right-Hand V-Tees 552

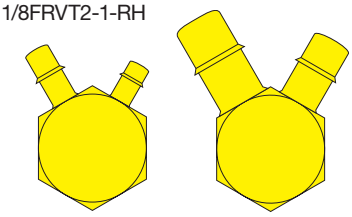




Top View: Right-hand Reducing V-Tees have the (smaller) Reducing Branch on the right.

1/8FRVT2-1-RH

1/8FRVT4-3-RH



1/8FRVT3-2½-RH 1/8FRVT6-5-RH

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	1/2	9/16	7/16	7/16
.040 / 1mm	.040	1/2	9/16	7/16	7/16
3/64	.045	1/2	9/16	7/16	7/16
.050	.050	1/2	9/16	7/16	7/16
1/16	1	1/2	9/16	1/2	1/2
5/64 / 2mm	2	1/2	9/16	1/2	1/2
3/32	2½	1/2	9/16	1/2	1/2
1/8	3	1/2	9/16	19/32	19/32
5/32 / 4mm	3½	1/2	9/16	19/32	19/32

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
.170	4	1/2	9/16	5/8	5/8
3/16	5	1/2	9/16	21/32	21/32
7/32	5½	1/2	9/16	21/32	21/32
6mm	5¾	9/16	9/16	25/32	25/32
1/4	6	9/16	9/16	25/32	25/32
5/16 / 8mm	7	1 5/64	3/4	1	1
3/8	8	1 5/64	3/4	29/32	29/32
1/2	10	1 5/64	3/4	1 1/8	1 1/8

Note: *Dimensions may vary at time of manufacturing and according to branch options chosen. Consult factory for details!*

Part Numbers for 1/8 NPT Female Thread to Tube Reducing Right-Hand V-Tees:

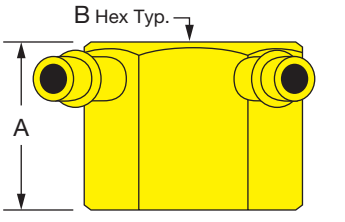
Thread Size → **1/8** **FRVT** **#** - **#** - **RH** ← Right-Hand Indicator

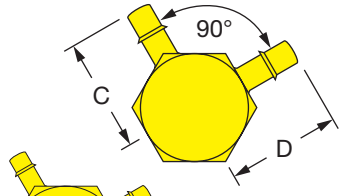
Fitting Series ↑ ; **#** ↑ Larger Branch # ; **#** ↑ Smaller Branch #

Unless otherwise specified, parts will be Brass. To order other materials, use the following codes:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

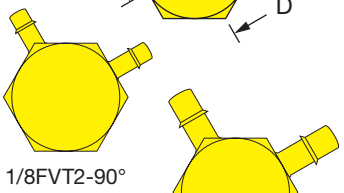
1/8 NPT Female Thread to Tube 90° V-Tees 553

V





1/8FVT2-90°



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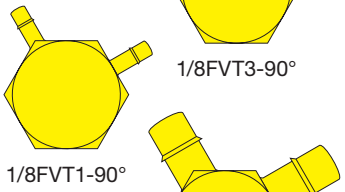
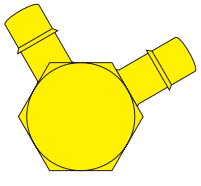


1/8FVT1-90°

Note: *For systems that do not allow the degree symbol (°) to be used, substitute with 'DEG' in the part number.*

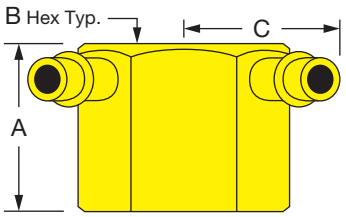


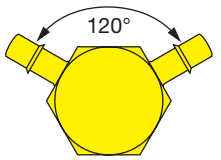
1/8FVT5-90°

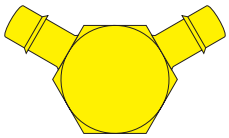
Tube ID	Part Numbers: Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	Dimensions (Reference) A Ref.	B Typ.	C Ref.	D Ref.
1/32	1/8FVT.031-90°	1/8FVT.031-90°-SS	1/8FVT.031-90°-316SS	1/8FVT.031-90°-NP	1/2	9/16	Consult Factory	7/16
.040 / 1mm	1/8FVT.040-90°	1/8FVT.040-90°-SS	1/8FVT.040-90°-316SS	1/8FVT.040-90°-NP	1/2	9/16	Consult Factory	7/16
3/64	1/8FVT.045-90°	1/8FVT.045-90°-SS	1/8FVT.045-90°-316SS	1/8FVT.045-90°-NP	1/2	9/16	Consult Factory	7/16
.050	1/8FVT.050-90°	1/8FVT.050-90°-SS	1/8FVT.050-90°-316SS	1/8FVT.050-90°-NP	1/2	9/16	Consult Factory	7/16
1/16	1/8FVT1-90°	1/8FVT1-90°-SS	1/8FVT1-90°-316SS	1/8FVT1-90°-NP	1/2	9/16	Consult Factory	1/2
5/64 / 2mm	1/8FVT2-90°	1/8FVT2-90°-SS	1/8FVT2-90°-316SS	1/8FVT2-90°-NP	1/2	9/16	Consult Factory	1/2
3/32	1/8FVT2½-90°	1/8FVT2½-90°-SS	1/8FVT2½-90°-316SS	1/8FVT2½-90°-NP	1/2	9/16	Consult Factory	1/2
1/8	1/8FVT3-90°	1/8FVT3-90°-SS	1/8FVT3-90°-316SS	1/8FVT3-90°-NP	1/2	9/16	Consult Factory	19/32
5/32 / 4mm	1/8FVT3½-90°	1/8FVT3½-90°-SS	1/8FVT3½-90°-316SS	1/8FVT3½-90°-NP	1/2	9/16	Consult Factory	19/32
.170	1/8FVT4-90°	1/8FVT4-90°-SS	1/8FVT4-90°-316SS	1/8FVT4-90°-NP	1/2	9/16	Consult Factory	5/8
3/16	1/8FVT5-90°	1/8FVT5-90°-SS	1/8FVT5-90°-316SS	1/8FVT5-90°-NP	1/2	9/16	Consult Factory	21/32
7/32	1/8FVT5½-90°	1/8FVT5½-90°-SS	1/8FVT5½-90°-316SS	1/8FVT5½-90°-NP	1/2	9/16	Consult Factory	21/32
6mm	1/8FVT5¾-90°	1/8FVT5¾-90°-SS	1/8FVT5¾-90°-316SS	1/8FVT5¾-90°-NP	9/16	9/16	Consult Factory	25/32
1/4	1/8FVT6-90°	1/8FVT6-90°-SS	1/8FVT6-90°-316SS	1/8FVT6-90°-NP	9/16	9/16	Consult Factory	25/32
5/16 / 8mm	1/8FVT7-90°	1/8FVT7-90°-SS	1/8FVT7-90°-316SS	1/8FVT7-90°-NP	1 5/64	3/4	Consult Factory	1
3/8	1/8FVT8-90°	1/8FVT8-90°-SS	1/8FVT8-90°-316SS	1/8FVT8-90°-NP	1 5/64	3/4	Consult Factory	29/32
1/2	1/8FVT10-90°	1/8FVT10-90°-SS	1/8FVT10-90°-316SS	1/8FVT10-90°-NP	1 5/64	3/4	Consult Factory	1 1/8

554 — 1/8 NPT Female Thread to Tube 120° V-Tees

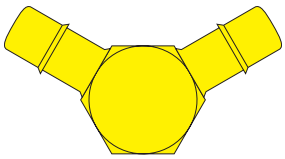
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/8FVT.031-120°	1/8FVT.031-120°-SS	1/8FVT.031-120°-316SS	1/8FVT.031-120°-NP	1/2	9/16	7/16
.040 / 1mm	1/8FVT.040-120°	1/8FVT.040-120°-SS	1/8FVT.040-120°-316SS	1/8FVT.040-120°-NP	1/2	9/16	7/16
3/64	1/8FVT.045-120°	1/8FVT.045-120°-SS	1/8FVT.045-120°-316SS	1/8FVT.045-120°-NP	1/2	9/16	7/16
.050	1/8FVT.050-120°	1/8FVT.050-120°-SS	1/8FVT.050-120°-316SS	1/8FVT.050-120°-NP	1/2	9/16	7/16
1/16	1/8FVT1-120°	1/8FVT1-120°-SS	1/8FVT1-120°-316SS	1/8FVT1-120°-NP	1/2	9/16	1/2
5/64 / 2mm	1/8FVT2-120°	1/8FVT2-120°-SS	1/8FVT2-120°-316SS	1/8FVT2-120°-NP	1/2	9/16	1/2
3/32	1/8FVT2 1/2-120°	1/8FVT2 1/2-120°-SS	1/8FVT2 1/2-120°-316SS	1/8FVT2 1/2-120°-NP	1/2	9/16	1/2
1/8	1/8FVT3-120°	1/8FVT3-120°-SS	1/8FVT3-120°-316SS	1/8FVT3-120°-NP	1/2	9/16	19/32
5/32 / 4mm	1/8FVT3 1/2-120°	1/8FVT3 1/2-120°-SS	1/8FVT3 1/2-120°-316SS	1/8FVT3 1/2-120°-NP	1/2	9/16	19/32
.170	1/8FVT4-120°	1/8FVT4-120°-SS	1/8FVT4-120°-316SS	1/8FVT4-120°-NP	1/2	9/16	5/8
3/16	1/8FVT5-120°	1/8FVT5-120°-SS	1/8FVT5-120°-316SS	1/8FVT5-120°-NP	1/2	9/16	21/32
7/32	1/8FVT5 1/2-120°	1/8FVT5 1/2-120°-SS	1/8FVT5 1/2-120°-316SS	1/8FVT5 1/2-120°-NP	1/2	9/16	21/32
6mm	1/8FVT5 3/4-120°	1/8FVT5 3/4-120°-SS	1/8FVT5 3/4-120°-316SS	1/8FVT5 3/4-120°-NP	9/16	9/16	25/32
1/4	1/8FVT6-120°	1/8FVT6-120°-SS	1/8FVT6-120°-316SS	1/8FVT6-120°-NP	9/16	9/16	25/32
5/16 / 8mm	1/8FVT7-120°	1/8FVT7-120°-SS	1/8FVT7-120°-316SS	1/8FVT7-120°-NP	1 5/64	3/4	1
3/8	1/8FVT8-120°	1/8FVT8-120°-SS	1/8FVT8-120°-316SS	1/8FVT8-120°-NP	1 5/64	3/4	29/32
1/2	1/8FVT10-120°	1/8FVT10-120°-SS	1/8FVT10-120°-316SS	1/8FVT10-120°-NP	1 5/64	3/4	1 1/8







1/8FVT4-120°

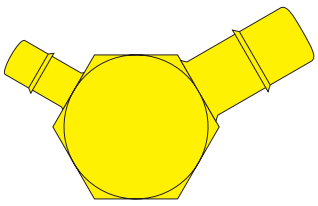


1/8FVT6-120°

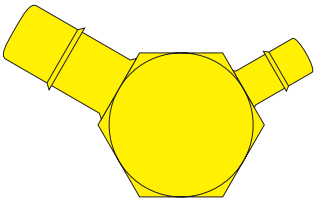
Note: *For systems that do not allow the degree symbol (°) to be used, substitute it with 'DEG' in the part number.*

1/8 NPT Female Thread to Tube 90° & 120° Reducing V-Tees also available! Consult factory for details!

V



1/8FRVT7-5-120°-LH



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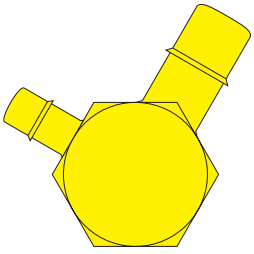

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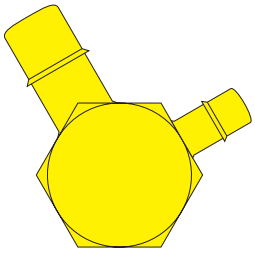

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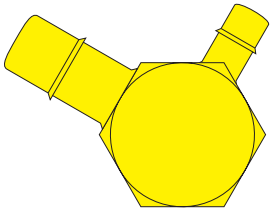

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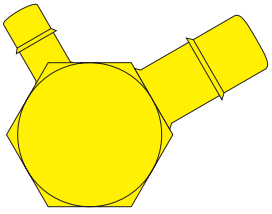

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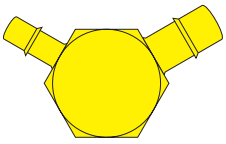
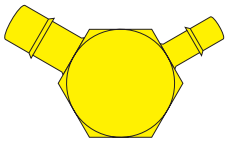
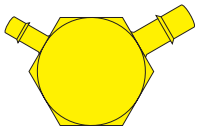


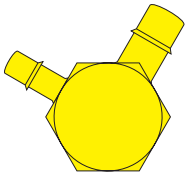
1/8FRVT5-3-120°-LH



1/8FRVT5-3-120°-RH



1/8FRVT3-2-120°-LH



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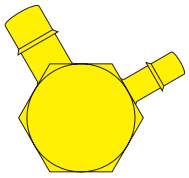
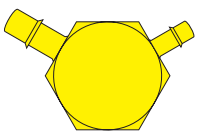
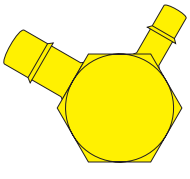


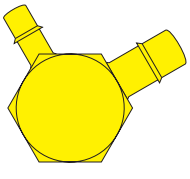
1/8FRVT5-3-90°-RH



1/8FRVT3-2-120°-RH



1/8FRVT3-5-90°-LH



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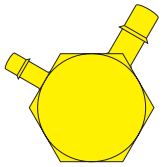
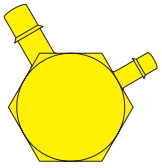


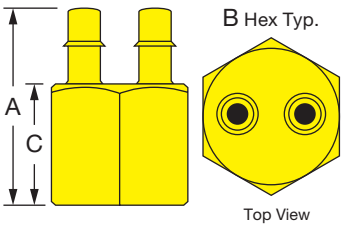
1/8FRVT3-2-90°-LH

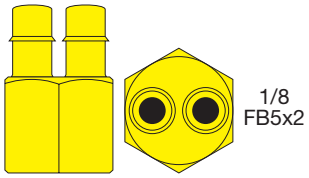
Note: for systems that do not allow the degree symbol (°) to be used, it can be substituted with 'DEG' in the part number.

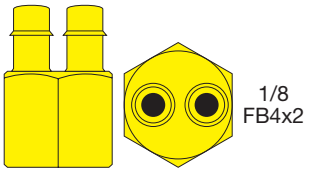


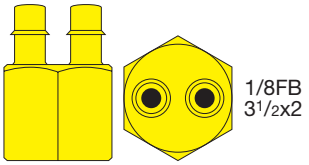
1/8FRVT3-2-90°-RH

1/8 NPT Female Straight Manifolds with 2 Branches — 555

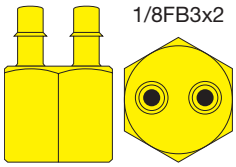


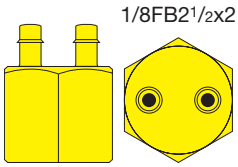


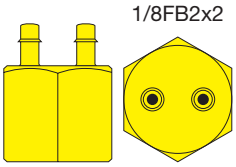


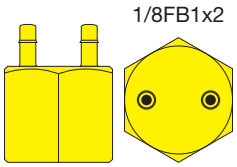


Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/8FB.031x2	1/8FB.031x2-SS	1/8FB.031x2-316SS	1/8FB.031x2-NP	11/16	9/16	1/2
.040 / 1mm	1/8FB.040x2	1/8FB.040x2-SS	1/8FB.040x2-316SS	1/8FB.040x2-NP	11/16	9/16	1/2
3/64	1/8FB.045x2	1/8FB.045x2-SS	1/8FB.045x2-316SS	1/8FB.045x2-NP	11/16	9/16	1/2
.050	1/8FB.050x2	1/8FB.050x2-SS	1/8FB.050x2-316SS	1/8FB.050x2-NP	11/16	9/16	1/2
1/16	1/8FB1x2	1/8FB1x2-SS	1/8FB1x2-316SS	1/8FB1x2-NP	23/32	9/16	1/2
5/64 / 2mm	1/8FB2x2	1/8FB2x2-SS	1/8FB2x2-316SS	1/8FB2x2-NP	23/32	9/16	1/2
3/32	1/8FB2 1/2x2	1/8FB2 1/2x2-SS	1/8FB2 1/2x2-316SS	1/8FB2 1/2x2-NP	23/32	9/16	1/2
1/8	1/8FB3x2	1/8FB3x2-SS	1/8FB3x2-316SS	1/8FB3x2-NP	13/16	9/16	1/2
5/32 / 4mm	1/8FB3 1/2x2	1/8FB3 1/2x2-SS	1/8FB3 1/2x2-316SS	1/8FB3 1/2x2-NP	13/16	9/16	1/2
.170	1/8FB4x2	1/8FB4x2-SS	1/8FB4x2-316SS	1/8FB4x2-NP	27/32	9/16	1/2
3/16	1/8FB5x2	1/8FB5x2-SS	1/8FB5x2-316SS	1/8FB5x2-NP	7/8	9/16	1/2



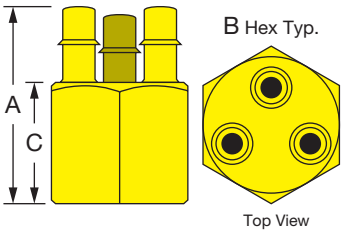


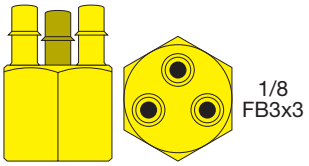


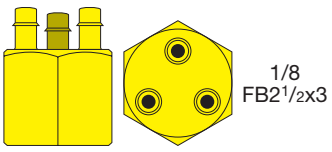


1/8 NPT Female Straight Manifolds with 3 Branches — 556

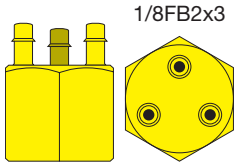
V

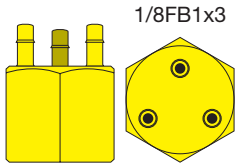


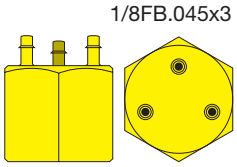


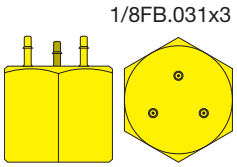


Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/8FB.031x3	1/8FB.031x3-SS	1/8FB.031x3-316SS	1/8FB.031x3-NP	11/16	9/16	1/2
.040 / 1mm	1/8FB.040x3	1/8FB.040x3-SS	1/8FB.040x3-316SS	1/8FB.040x3-NP	11/16	9/16	1/2
3/64	1/8FB.045x3	1/8FB.045x3-SS	1/8FB.045x3-316SS	1/8FB.045x3-NP	11/16	9/16	1/2
.050	1/8FB.050x3	1/8FB.050x3-SS	1/8FB.050x3-316SS	1/8FB.050x3-NP	11/16	9/16	1/2
1/16	1/8FB1x3	1/8FB1x3-SS	1/8FB1x3-316SS	1/8FB1x3-NP	23/32	9/16	1/2
5/64 / 2mm	1/8FB2x3	1/8FB2x3-SS	1/8FB2x3-316SS	1/8FB2x3-NP	23/32	9/16	1/2
3/32	1/8FB2 1/2x3	1/8FB2 1/2x3-SS	1/8FB2 1/2x3-316SS	1/8FB2 1/2x3-NP	23/32	9/16	1/2
1/8	1/8FB3x3	1/8FB3x3-SS	1/8FB3x3-316SS	1/8FB3x3-NP	13/16	9/16	1/2



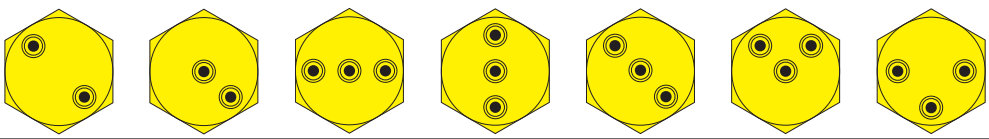






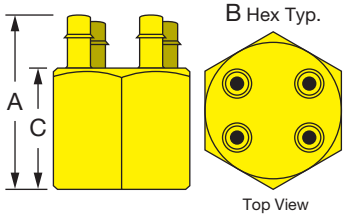
Note: *Images are for visual representation only; not intended for dimensional measurements.*

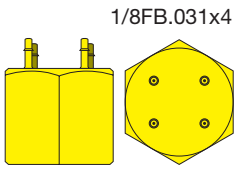
Customize your Straight Manifolds with alternate Branch locations!! Use the Template on page 308 to indicate Branch placement!

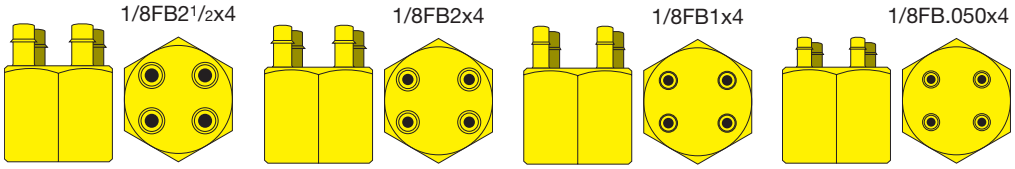


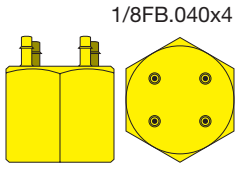
557 1/8 NPT Female Straight Manifolds with 4 Branches

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/8FB.031x4	1/8FB.031x4-SS	1/8FB.031x4-316SS	1/8FB.031x4-NP	11/16	9/16	1/2
.040 / 1mm	1/8FB.040x4	1/8FB.040x4-SS	1/8FB.040x4-316SS	1/8FB.040x4-NP	11/16	9/16	1/2
3/64	1/8FB.045x4	1/8FB.045x4-SS	1/8FB.045x4-316SS	1/8FB.045x4-NP	11/16	9/16	1/2
.050	1/8FB.050x4	1/8FB.050x4-SS	1/8FB.050x4-316SS	1/8FB.050x4-NP	11/16	9/16	1/2
1/16	1/8FB1x4	1/8FB1x4-SS	1/8FB1x4-316SS	1/8FB1x4-NP	23/32	9/16	1/2
5/64 / 2mm	1/8FB2x4	1/8FB2x4-SS	1/8FB2x4-316SS	1/8FB2x4-NP	23/32	9/16	1/2
3/32	1/8FB2 1/2x4	1/8FB2 1/2x4-SS	1/8FB2 1/2x4-316SS	1/8FB2 1/2x4-NP	23/32	9/16	1/2



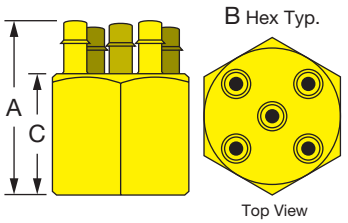


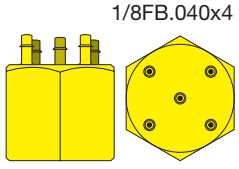


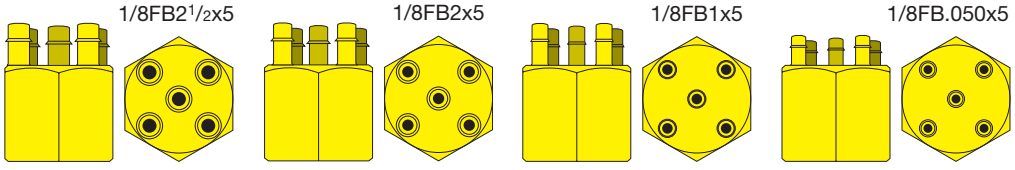


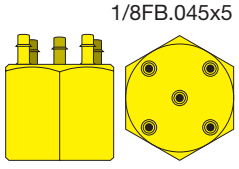
558 1/8 NPT Female Straight Manifolds with 5 Branches

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/8FB.031x5	1/8FB.031x5-SS	1/8FB.031x5-316SS	1/8FB.031x5-NP	11/16	9/16	1/2
.040 / 1mm	1/8FB.040x5	1/8FB.040x5-SS	1/8FB.040x5-316SS	1/8FB.040x5-NP	11/16	9/16	1/2
3/64	1/8FB.045x5	1/8FB.045x5-SS	1/8FB.045x5-316SS	1/8FB.045x5-NP	11/16	9/16	1/2
.050	1/8FB.050x5	1/8FB.050x5-SS	1/8FB.050x5-316SS	1/8FB.050x5-NP	11/16	9/16	1/2
1/16	1/8FB1x5	1/8FB1x5-SS	1/8FB1x5-316SS	1/8FB1x5-NP	23/32	9/16	1/2
5/64 / 2mm	1/8FB2x5	1/8FB2x5-SS	1/8FB2x5-316SS	1/8FB2x5-NP	23/32	9/16	1/2
3/32	1/8FB2 1/2x5	1/8FB2 1/2x5-SS	1/8FB2 1/2x5-316SS	1/8FB2 1/2x5-NP	23/32	9/16	1/2

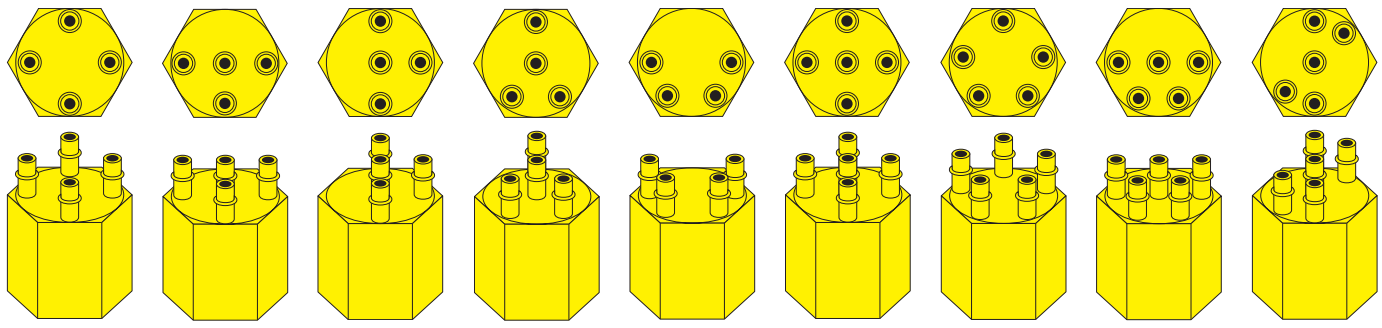




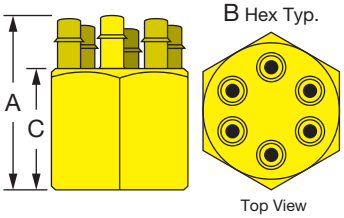


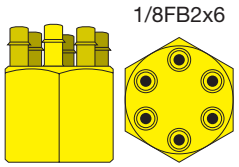


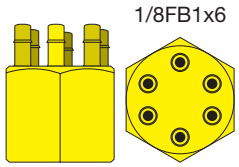
Customize Manifolds with alternative branch locations!! Use the Template on page 308 to indicate Branch placement!



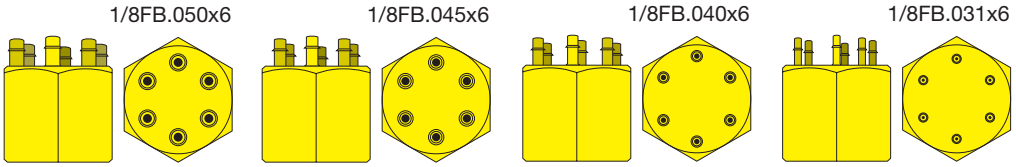
1/8 NPT Female Straight Manifolds with 6 Branches 559



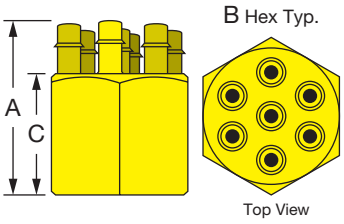


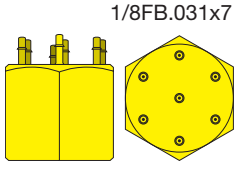


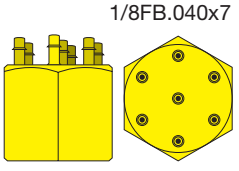
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/8FB.031x6	1/8FB.031x6-SS	1/8FB.031x6-316SS	1/8FB.031x6-NP	11/16	9/16	1/2
.040 / 1mm	1/8FB.040x6	1/8FB.040x6-SS	1/8FB.040x6-316SS	1/8FB.040x6-NP	11/16	9/16	1/2
3/64	1/8FB.045x6	1/8FB.045x6-SS	1/8FB.045x6-316SS	1/8FB.045x6-NP	11/16	9/16	1/2
.050	1/8FB.050x6	1/8FB.050x6-SS	1/8FB.050x6-316SS	1/8FB.050x6-NP	11/16	9/16	1/2
1/16	1/8FB1x6	1/8FB1x6-SS	1/8FB1x6-316SS	1/8FB1x6-NP	23/32	9/16	1/2
5/64 / 2mm	1/8FB2x6	1/8FB2x6-SS	1/8FB2x6-316SS	1/8FB2x6-NP	23/32	9/16	1/2



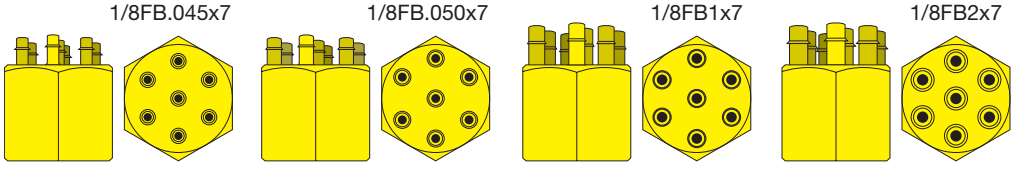
1/8 NPT Female Straight Manifolds with 7 Branches 560



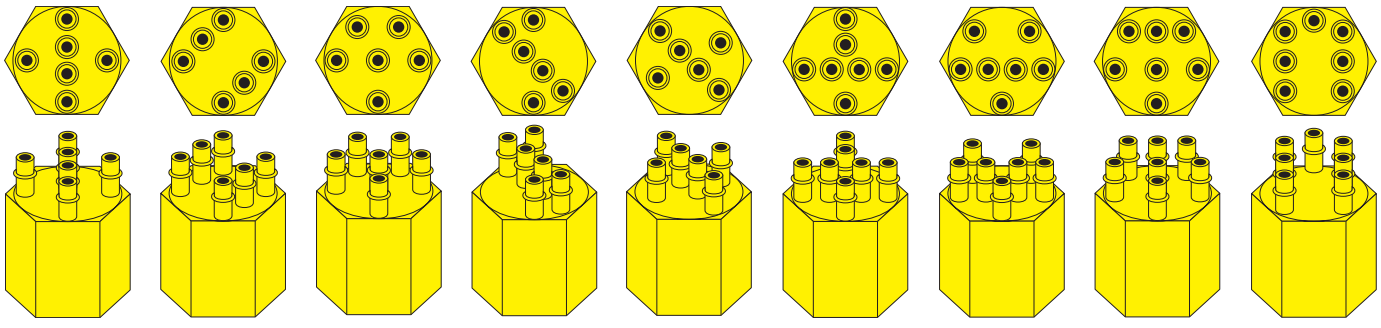




Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/8FB.031x7	1/8FB.031x7-SS	1/8FB.031x7-316SS	1/8FB.031x7-NP	11/16	9/16	1/2
.040 / 1mm	1/8FB.040x7	1/8FB.040x7-SS	1/8FB.040x7-316SS	1/8FB.040x7-NP	11/16	9/16	1/2
3/64	1/8FB.045x7	1/8FB.045x7-SS	1/8FB.045x7-316SS	1/8FB.045x7-NP	11/16	9/16	1/2
.050	1/8FB.050x7	1/8FB.050x7-SS	1/8FB.050x7-316SS	1/8FB.050x7-NP	11/16	9/16	1/2
1/16	1/8FB1x7	1/8FB1x7-SS	1/8FB1x7-316SS	1/8FB1x7-NP	23/32	9/16	1/2
5/64 / 2mm	1/8FB2x7	1/8FB2x7-SS	1/8FB2x7-316SS	1/8FB2x7-NP	23/32	9/16	1/2



Customize Manifolds with alternative branch locations!! Use the Template on page 308 to indicate Branch placement!

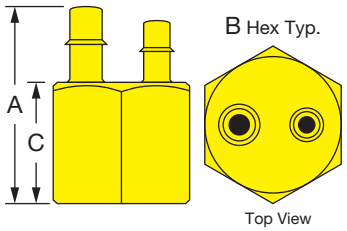


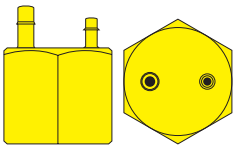
561 1/8 NPT Female Straight Reducing Manifolds with 2 Branches

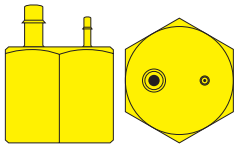
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/32	.031	11/16	9/16	1/2
.040 / 1mm	.040	11/16	9/16	1/2
3/64	.045	11/16	9/16	1/2
.050	.050	11/16	9/16	1/2
1/16	1	23/32	9/16	1/2
5/64 / 2mm	2	23/32	9/16	1/2

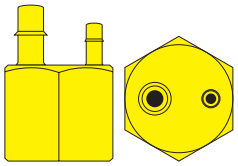
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
3/32	2 1/2	23/32	9/16	1/2
1/8	3	13/16	9/16	1/2
5/32 / 4mm	3 1/2	13/16	9/16	1/2
.170	4	27/32	9/16	1/2
3/16	5	7/8	9/16	1/2

Material options listed below!



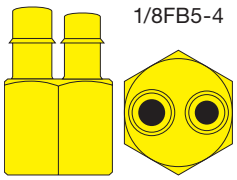


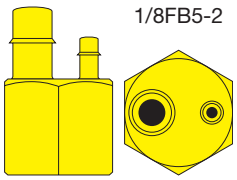


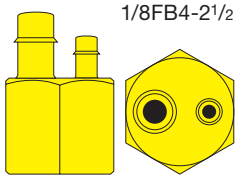


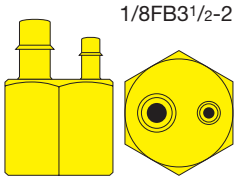
Part Numbers for 1/8 NPT Female Thread Reducing Manifolds with 2 Branches:

Thread Size → 1/8 (Fitting Series) FB # (Larger Branch #) - # (Smaller Branch #)





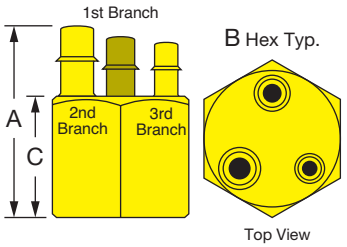


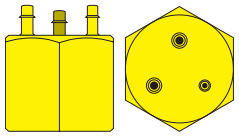


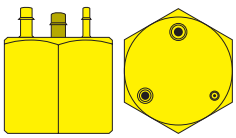
562 1/8 NPT Female Straight Reducing Manifolds with 3 Branches

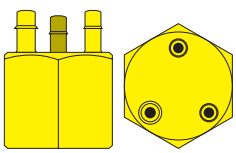
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/32	.031	11/16	9/16	1/2
.040 / 1mm	.040	11/16	9/16	1/2
3/64	.045	11/16	9/16	1/2
.050	.050	11/16	9/16	1/2

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/16	1	23/32	9/16	1/2
5/64 / 2mm	2	23/32	9/16	1/2
3/32	2 1/2	23/32	9/16	1/2
1/8	3	13/16	9/16	1/2





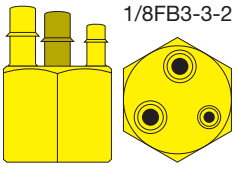


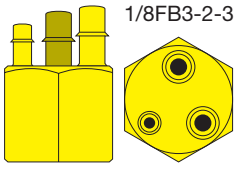


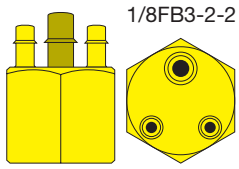
Part Numbers for 1/8 NPT Female Thread Reducing Manifolds with 3 Branches:

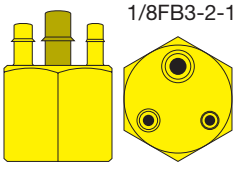
Thread Size → 1/8 (Fitting Series) FB # (1st Branch #) - # (2nd Branch #) - # (3rd Branch #)

Unless otherwise specified, parts will be Brass. For other materials, add these codes to the part number:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

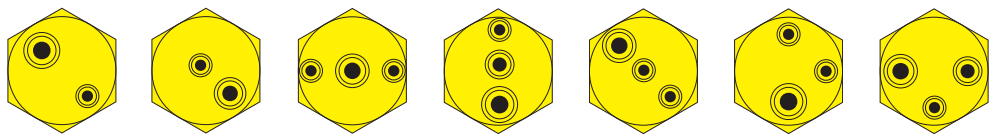




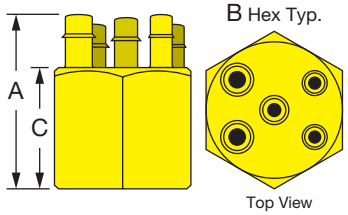




Customize Straight Manifolds with alternate Branch locations!! Use the Template on page 308 to indicate Branch placement!



1/8 NPT Female Straight Reducing Manifolds with 4 or 5 Branches — 563

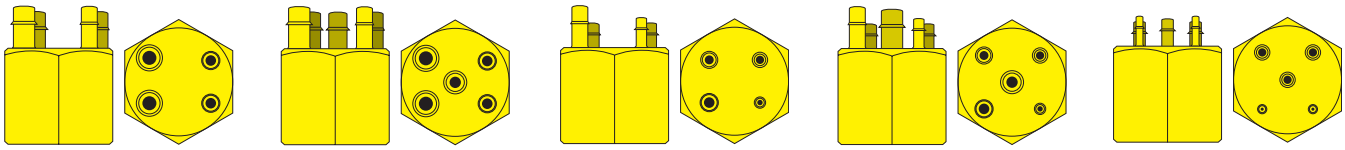


Use the template on below to show branch sizes & placement!

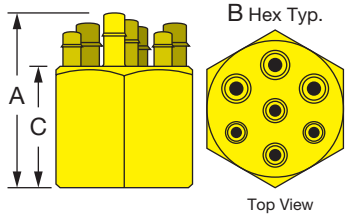
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/32	.031	11/16	9/16	1/2
.040 / 1mm	.040	11/16	9/16	1/2
3/64	.045	11/16	9/16	1/2
.050	.050	11/16	9/16	1/2

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/16	1	23/32	9/16	1/2
5/64 / 2mm	2	23/32	9/16	1/2
3/32	2 1/2	23/32	9/16	1/2

Material options listed on previous page!



1/8 NPT Female Straight Reducing Manifolds with 6 or 7 Branches — 564



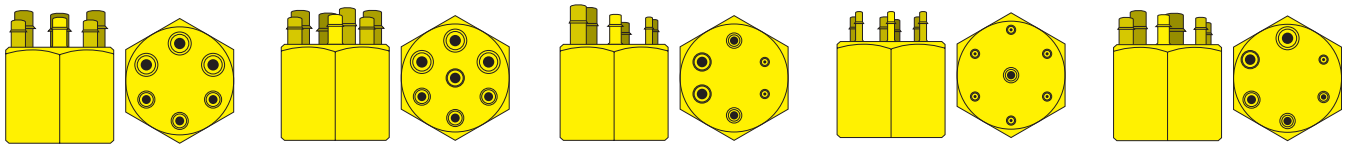
Use the template on below to show branch sizes & placement!

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/32	.031	11/16	9/16	1/2
.040 / 1mm	.040	11/16	9/16	1/2
3/64	.045	11/16	9/16	1/2
.050	.050	11/16	9/16	1/2

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/16	1	23/32	9/16	1/2
5/64 / 2mm	2	23/32	9/16	1/2

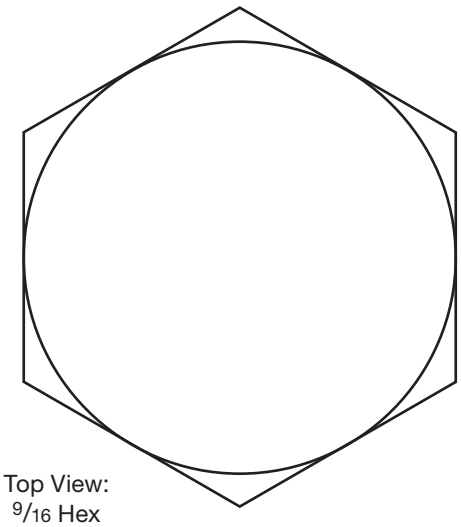
Material options listed on previous page!

Note: *Images are for visual representation only; not intended for dimensional measurements.*



V

1/8 NPT Female Thread Straight Manifold Template for Branch Sizes and Locations



Top View:
9/16 Hex
Scaled 4:1

To Use:
Indicate the desired location of each branch by writing the numbers 1 through 7 (1 = 1st Branch, etc.) on the hex diagram on the left. Mark the coordinating Branch Number (size) in the chart below. Reference the tables on pages 304 - 308 for Branch Numbers and Tube ID's. Upon receipt of this template, a part number* will be issued.

Consult factory for details!

Branch Numbers:

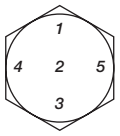
1st Branch (1) = _____ 5th Branch (5) = _____

2nd Branch (2) = _____ 6th Branch (6) = _____

3rd Branch (3) = _____ 7th Branch (7) = _____

4th Branch (4) = _____

Example:



Branch Numbers:

1st Branch (1) = 2 5th Branch (5) = 1

2nd Branch (2) = 2 6th Branch (6) = n/a

3rd Branch (3) = 2 7th Branch (7) = n/a

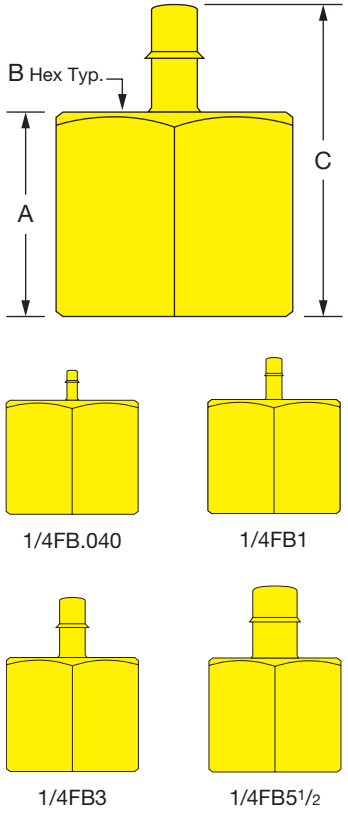
4th Branch (4) = 1

Part number: **1/8FB2-2-2-1-1**
Two #2 Branches (1st, 2nd, 3rd)
Two #1 Branches (4th, 5th)

*Part numbers will vary depending on branch configuration. The number of branches allowed varies depending on branch sizes chosen.

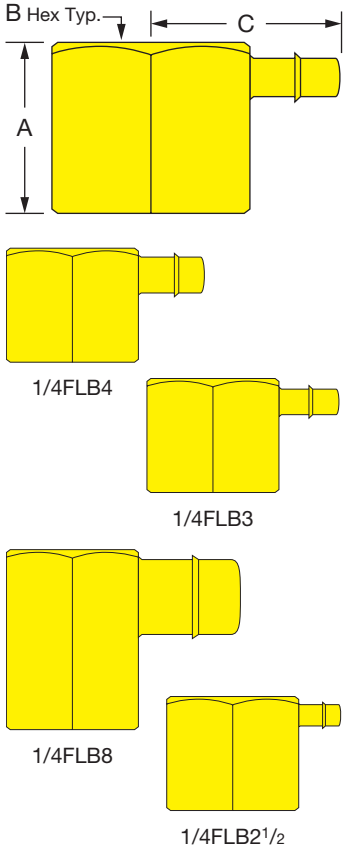
565 — 1/4 NPT Female Thread to Tube

Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/4FB.031	1/4FB.031-SS	1/4FB.031-316SS	N/A	1/4FB.031-NP	19/32	11/16	3/4
.040 / 1mm	1/4FB.040	1/4FB.040-SS	1/4FB.040-316SS	N/A	1/4FB.040-NP	19/32	11/16	3/4
3/64	1/4FB.045	1/4FB.045-SS	1/4FB.045-316SS	N/A	1/4FB.045-NP	19/32	11/16	3/4
.050	1/4FB.050	1/4FB.050-SS	1/4FB.050-316SS	N/A	1/4FB.050-NP	19/32	11/16	3/4
1/16	1/4FB1	1/4FB1-SS	1/4FB1-316SS	1/4FB1-AL	1/4FB1-NP	19/32	11/16	13/16
5/64 / 2mm	1/4FB2	1/4FB2-SS	1/4FB2-316SS	1/4FB2-AL	1/4FB2-NP	19/32	11/16	13/16
3/32	1/4FB2 1/2	1/4FB2 1/2-SS	1/4FB2 1/2-316SS	1/4FB2 1/2-AL	1/4FB2 1/2-NP	19/32	11/16	13/16
1/8	1/4FB3	1/4FB3-SS	1/4FB3-316SS	1/4FB3-AL	1/4FB3-NP	19/32	11/16	29/32
5/32 / 4mm	1/4FB3 1/2	1/4FB3 1/2-SS	1/4FB3 1/2-316SS	1/4FB3 1/2-AL	1/4FB3 1/2-NP	19/32	11/16	29/32
.170	1/4FB4	1/4FB4-SS	1/4FB4-316SS	1/4FB4-AL	1/4FB4-NP	19/32	11/16	15/16
3/16	1/4FB5	1/4FB5-SS	1/4FB5-316SS	1/4FB5-AL	1/4FB5-NP	19/32	11/16	31/32
7/32	1/4FB5 1/2	1/4FB5 1/2-SS	1/4FB5 1/2-316SS	1/4FB5 1/2-AL	1/4FB5 1/2-NP	19/32	11/16	31/32
6mm	1/4FB5 3/4	1/4FB5 3/4-SS	1/4FB5 3/4-316SS	1/4FB5 3/4-AL	1/4FB5 3/4-NP	19/32	11/16	1 3/32
1/4	1/4FB6	1/4FB6-SS	1/4FB6-316SS	1/4FB6-AL	1/4FB6-NP	19/32	11/16	1 3/32
5/16 / 8mm	1/4FB7	1/4FB7-SS	1/4FB7-316SS	1/4FB7-AL	1/4FB7-NP	19/32	11/16	1 7/32
3/8	1/4FB8	1/4FB8-SS	1/4FB8-316SS	1/4FB8-AL	1/4FB8-NP	19/32	11/16	1 1/8
1/2	1/4FB10	1/4FB10-SS	1/4FB10-316SS	1/4FB10-AL	1/4FB10-NP	19/32	11/16	1 11/32



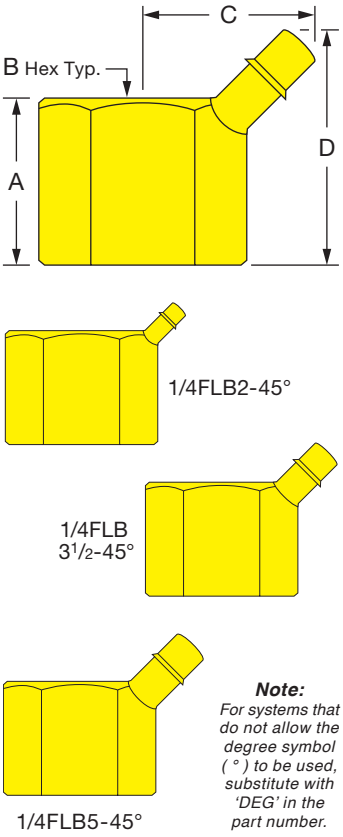
566 — 1/4 NPT Female Thread to Tube Elbows

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/4FLB.031	1/4FLB.031-SS	1/4FLB.031-316SS	1/4FLB.031-NP	19/32	11/16	1/2
.040 / 1mm	1/4FLB.040	1/4FLB.040-SS	1/4FLB.040-316SS	1/4FLB.040-NP	19/32	11/16	1/2
3/64	1/4FLB.045	1/4FLB.045-SS	1/4FLB.045-316SS	1/4FLB.045-NP	19/32	11/16	1/2
.050	1/4FLB.050	1/4FLB.050-SS	1/4FLB.050-316SS	1/4FLB.050-NP	19/32	11/16	1/2
1/16	1/4FLB1	1/4FLB1-SS	1/4FLB1-316SS	1/4FLB1-NP	19/32	11/16	9/16
5/64 / 2mm	1/4FLB2	1/4FLB2-SS	1/4FLB2-316SS	1/4FLB2-NP	19/32	11/16	9/16
3/32	1/4FLB2 1/2	1/4FLB2 1/2-SS	1/4FLB2 1/2-316SS	1/4FLB2 1/2-NP	19/32	11/16	9/16
1/8	1/4FLB3	1/4FLB3-SS	1/4FLB3-316SS	1/4FLB3-NP	19/32	11/16	21/32
5/32 / 4mm	1/4FLB3 1/2	1/4FLB3 1/2-SS	1/4FLB3 1/2-316SS	1/4FLB3 1/2-NP	19/32	11/16	21/32
.170	1/4FLB4	1/4FLB4-SS	1/4FLB4-316SS	1/4FLB4-NP	19/32	11/16	11/16
3/16	1/4FLB5	1/4FLB5-SS	1/4FLB5-316SS	1/4FLB5-NP	19/32	11/16	23/32
7/32	1/4FLB5 1/2	1/4FLB5 1/2-SS	1/4FLB5 1/2-316SS	1/4FLB5 1/2-NP	19/32	11/16	23/32
6mm	1/4FLB5 3/4	1/4FLB5 3/4-SS	1/4FLB5 3/4-316SS	1/4FLB5 3/4-NP	19/32	11/16	27/32
1/4	1/4FLB6	1/4FLB6-SS	1/4FLB6-316SS	1/4FLB6-NP	19/32	11/16	27/32
5/16 / 8mm	1/4FLB7	1/4FLB7-SS	1/4FLB7-316SS	1/4FLB7-NP	15/16	11/16	31/32
3/8	1/4FLB8	1/4FLB8-SS	1/4FLB8-316SS	1/4FLB8-NP	15/16	11/16	7/8
1/2	1/4FLB10	1/4FLB10-SS	1/4FLB10-316SS	1/4FLB10-NP	1 3/16	3/4	1 1/8



W

1/4 NPT Female Thread to Tube 45° Elbows 567

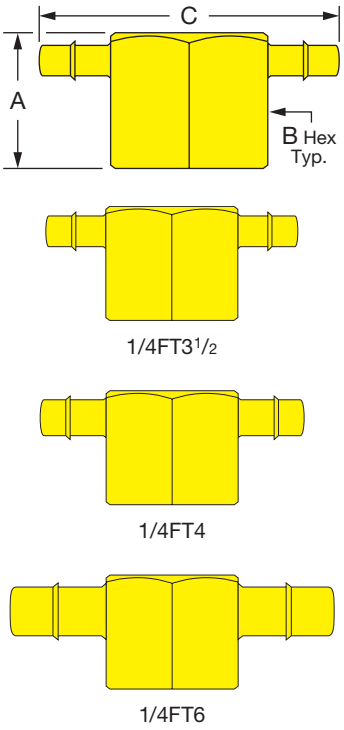


Note: *For systems that do not allow the degree symbol (°) to be used, substitute with 'DEG' in the part number.*

Tube ID	Part Numbers				Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/32	1/4FLB.031-45°	1/4FLB.031-45°-SS	1/4FLB.031-45°-316SS	1/4FLB.031-45°-NP	19/32	11/16	Consult Factory	Consult Factory
.040 / 1mm	1/4FLB.040-45°	1/4FLB.040-45°-SS	1/4FLB.040-45°-316SS	1/4FLB.040-45°-NP	19/32	11/16	Consult Factory	Consult Factory
3/64	1/4FLB.045-45°	1/4FLB.045-45°-SS	1/4FLB.045-45°-316SS	1/4FLB.045-45°-NP	19/32	11/16	Consult Factory	Consult Factory
.050	1/4FLB.050-45°	1/4FLB.050-45°-SS	1/4FLB.050-45°-316SS	1/4FLB.050-45°-NP	19/32	11/16	Consult Factory	Consult Factory
1/16	1/4FLB1-45°	1/4FLB1-45°-SS	1/4FLB1-45°-316SS	1/4FLB1-45°-NP	19/32	11/16	Consult Factory	Consult Factory
5/64 / 2mm	1/4FLB2-45°	1/4FLB2-45°-SS	1/4FLB2-45°-316SS	1/4FLB2-45°-NP	19/32	11/16	Consult Factory	Consult Factory
3/32	1/4FLB2 1/2-45°	1/4FLB2 1/2-45°-SS	1/4FLB2 1/2-45°-316SS	1/4FLB2 1/2-45°-NP	19/32	11/16	Consult Factory	Consult Factory
1/8	1/4FLB3-45°	1/4FLB3-45°-SS	1/4FLB3-45°-316SS	1/4FLB3-45°-NP	19/32	11/16	Consult Factory	Consult Factory
5/32 / 4mm	1/4FLB3 1/2-45°	1/4FLB3 1/2-45°-SS	1/4FLB3 1/2-45°-316SS	1/4FLB3 1/2-45°-NP	19/32	11/16	Consult Factory	Consult Factory
.170	1/4FLB4-45°	1/4FLB4-45°-SS	1/4FLB4-45°-316SS	1/4FLB4-45°-NP	19/32	11/16	Consult Factory	Consult Factory
3/16	1/4FLB5-45°	1/4FLB5-45°-SS	1/4FLB5-45°-316SS	1/4FLB5-45°-NP	19/32	11/16	Consult Factory	Consult Factory
7/32	1/4FLB5 1/2-45°	1/4FLB5 1/2-45°-SS	1/4FLB5 1/2-45°-316SS	1/4FLB5 1/2-45°-NP	19/32	11/16	Consult Factory	Consult Factory
6mm	1/4FLB 5 3/4-45°	1/4FLB5 3/4-45°-SS	1/4FLB5 3/4-45°-316SS	1/4FLB5 3/4-45°-NP	19/32	11/16	Consult Factory	Consult Factory
1/4	1/4FLB6-45°	1/4FLB6-45°-SS	1/4FLB6-45°-316SS	1/4FLB6-45°-NP	19/32	11/16	Consult Factory	Consult Factory
5/16 / 8mm	1/4FLB7-45°	1/4FLB7-45°-SS	1/4FLB7-45°-316SS	1/4FLB7-45°-NP	19/32	11/16	Consult Factory	Consult Factory
3/8	1/4FLB8-45°	1/4FLB8-45°-SS	1/4FLB8-45°-316SS	1/4FLB8-45°-NP	19/32	11/16	Consult Factory	Consult Factory
1/2	1/4FLB10-45°	1/4FLB10-45°-SS	1/4FLB10-45°-316SS	1/4FLB10-45°-NP	19/32	3/4	Consult Factory	Consult Factory

1/4 NPT Female Thread to Tube Tees 568

W

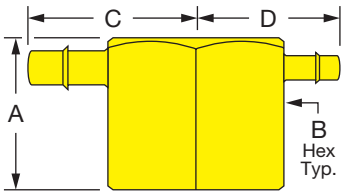


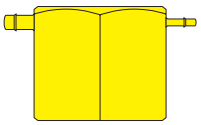
Note: *Images are for visual representation only; not intended for dimensional measurements. Dimensions may vary at time of manufacturing. Consult factory for details!*

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/4FT.031	1/4FT.031-SS	1/4FT.031-316SS	1/4FT.031-NP	19/32	11/16	1
.040 / 1mm	1/4FT.040	1/4FT.040-SS	1/4FT.040-316SS	1/4FT.040-NP	19/32	11/16	1
3/64	1/4FT.045	1/4FT.045-SS	1/4FT.045-316SS	1/4FT.045-NP	19/32	11/16	1
.050	1/4FT.050	1/4FT.050-SS	1/4FT.050-316SS	1/4FT.050-NP	19/32	11/16	1
1/16	1/4FT1	1/4FT1-SS	1/4FT1-316SS	1/4FT1-NP	19/32	11/16	1 1/8
5/64 / 2mm	1/4FT2	1/4FT2-SS	1/4FT2-316SS	1/4FT2-NP	19/32	11/16	1 1/8
3/32	1/4FT2 1/2	1/4FT2 1/2-SS	1/4FT2 1/2-316SS	1/4FT2 1/2-NP	19/32	11/16	1 1/8
1/8	1/4FT3	1/4FT3-SS	1/4FT3-316SS	1/4FT3-NP	19/32	11/16	1 5/16
5/32 / 4mm	1/4FT3 1/2	1/4FT3 1/2-SS	1/4FT3 1/2-316SS	1/4FT3 1/2-NP	19/32	11/16	1 5/16
.170	1/4FT4	1/4FT4-SS	1/4FT4-316SS	1/4FT4-NP	19/32	11/16	1 3/8
3/16	1/4FT5	1/4FT5-SS	1/4FT5-316SS	1/4FT5-NP	19/32	11/16	1 7/16
7/32	1/4FT5 1/2	1/4FT5 1/2-SS	1/4FT5 1/2-316SS	1/4FT5 1/2-NP	19/32	11/16	1 7/16
6mm	1/4FT5 3/4	1/4FT5 3/4-SS	1/4FT5 3/4-316SS	1/4FT5 3/4-NP	19/32	11/16	1 21/32
1/4	1/4FT6	1/4FT6-SS	1/4FT6-316SS	1/4FT6-NP	19/32	11/16	1 21/32
5/16 / 8mm	1/4FT7	1/4FT7-SS	1/4FT7-316SS	1/4FT7-NP	15/16	11/16	1 15/16
3/8	1/4FT8	1/4FT8-SS	1/4FT8-316SS	1/4FT8-NP	15/16	11/16	1 3/4
1/2	1/4FT10	1/4FT10-SS	1/4FT10-316SS	1/4FT10-NP	15/16	3/4	2 1/4

569 1/4 NPT Female Thread to Tube Reducing Tees

Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
.040 / 1mm	1/32	1/4FRT.040-.031	1/4FRT.040-.031-SS	1/4FRT.040-.031-316SS	1/4FRT.040-.031-NP	19/32	11/16	1/2	1/2
3/64	1/32	1/4FRT.045-.031	1/4FRT.045-.031-SS	1/4FRT.045-.031-316SS	1/4FRT.045-.031-NP	19/32	11/16	1/2	1/2
3/64	.040 / 1mm	1/4FRT.045-.040	1/4FRT.045-.040-SS	1/4FRT.045-.040-316SS	1/4FRT.045-.040-NP	19/32	11/16	1/2	1/2
.050	1/32	1/4FRT.050-.031	1/4FRT.050-.031-SS	1/4FRT.050-.031-316SS	1/4FRT.050-.031-NP	19/32	11/16	1/2	1/2
.050	.040 / 1mm	1/4FRT.050-.040	1/4FRT.050-.040-SS	1/4FRT.050-.040-316SS	1/4FRT.050-.040-NP	19/32	11/16	1/2	1/2
.050	1/64	1/4FRT.050-.045	1/4FRT.050-.045-SS	1/4FRT.050-.045-316SS	1/4FRT.050-.045-NP	19/32	11/16	1/2	1/2
1/16	1/32	1/4FRT1-.031	1/4FRT1-.031-SS	1/4FRT1-.031-316SS	1/4FRT1-.031-NP	19/32	11/16	9/16	1/2
1/16	.040 / 1mm	1/4FRT1-.040	1/4FRT1-.040-SS	1/4FRT1-.040-316SS	1/4FRT1-.040-NP	19/32	11/16	9/16	1/2
1/16	3/64	1/4FRT1-.045	1/4FRT1-.045-SS	1/4FRT1-.045-316SS	1/4FRT1-.045-NP	19/32	11/16	9/16	1/2
1/16	.050	1/4FRT1-.050	1/4FRT1-.050-SS	1/4FRT1-.050-316SS	1/4FRT1-.050-NP	19/32	11/16	9/16	1/2
5/64 / 2mm	1/32	1/4FRT2-.031	1/4FRT2-.031-SS	1/4FRT2-.031-316SS	1/4FRT2-.031-NP	19/32	11/16	9/16	1/2
5/64 / 2mm	.040 / 1mm	1/4FRT2-.040	1/4FRT2-.040-SS	1/4FRT2-.040-316SS	1/4FRT2-.040-NP	19/32	11/16	9/16	1/2
5/64 / 2mm	3/64	1/4FRT2-.045	1/4FRT2-.045-SS	1/4FRT2-.045-316SS	1/4FRT2-.045-NP	19/32	11/16	9/16	1/2
5/64 / 2mm	.050	1/4FRT2-.050	1/4FRT2-.050-SS	1/4FRT2-.050-316SS	1/4FRT2-.050-NP	19/32	11/16	9/16	1/2
5/64 / 2mm	1/16	1/4FRT2-1	1/4FRT2-1-SS	1/4FRT2-1-316SS	1/4FRT2-1-NP	19/16	11/16	9/16	9/16
3/32	1/32	1/4FRT2 1/2-.031	1/4FRT2 1/2-.031-SS	1/4FRT2 1/2-.031-316SS	1/4FRT2 1/2-.031-NP	19/16	11/16	9/16	1/2
3/32	.040 / 1mm	1/4FRT2 1/2-.040	1/4FRT2 1/2-.040-SS	1/4FRT2 1/2-.040-316SS	1/4FRT2 1/2-.040-NP	19/16	11/16	9/16	1/2
3/32	3/64	1/4FRT2 1/2-.045	1/4FRT2 1/2-.045-SS	1/4FRT2 1/2-.045-316SS	1/4FRT2 1/2-.045-NP	19/32	11/16	9/16	1/2
3/32	.050	1/4FRT2 1/2-.050	1/4FRT2 1/2-.050-SS	1/4FRT2 1/2-.050-316SS	1/4FRT2 1/2-.050-NP	19/32	11/16	9/16	1/2
3/32	1/16	1/4FRT2 1/2-1	1/4FRT2 1/2-1-SS	1/4FRT2 1/2-1-316SS	1/4FRT2 1/2-1-NP	19/32	11/16	9/16	9/16
3/32	5/64 / 2mm	1/4FRT2 1/2-2	1/4FRT2 1/2-2-SS	1/4FRT2 1/2-2-316SS	1/4FRT2 1/2-2-NP	19/32	11/16	9/16	9/16
1/8	1/32	1/4FRT3-.031	1/4FRT3-.031-SS	1/4FRT3-.031-316SS	1/4FRT3-.031-NP	19/32	11/16	21/32	1/2
1/8	.040 / 1mm	1/4FRT3-.040	1/4FRT3-.040-SS	1/4FRT3-.040-316SS	1/4FRT3-.040-NP	19/32	11/16	21/32	1/2
1/8	3/64	1/4FRT3-.045	1/4FRT3-.045-SS	1/4FRT3-.045-316SS	1/4FRT3-.045-NP	19/32	11/16	21/32	1/2
1/8	.050	1/4FRT3-.050	1/4FRT3-.050-SS	1/4FRT3-.050-316SS	1/4FRT3-.050-NP	19/32	11/16	21/32	1/2
1/8	1/16	1/4FRT3-1	1/4FRT3-1-SS	1/4FRT3-1-316SS	1/4FRT3-1-NP	19/32	11/16	21/32	9/16
1/8	5/64 / 2mm	1/4FRT3-2	1/4FRT3-2-SS	1/4FRT3-2-316SS	1/4FRT3-2-NP	19/32	11/16	21/32	9/16
1/8	3/32	1/4FRT3-2 1/2	1/4FRT3-2 1/2-SS	1/4FRT3-2 1/2-316SS	1/4FRT3-2 1/2-NP	19/32	11/16	21/32	9/16
5/32	1/32	1/4FRT3 1/2-.031	1/4FRT3 1/2-.031-SS	1/4FRT3 1/2-.031-316SS	1/4FRT3 1/2-.031-NP	19/32	11/16	21/32	1/2
5/32	.040 / 1mm	1/4FRT3 1/2-.040	1/4FRT3 1/2-.040-SS	1/4FRT3 1/2-.040-316SS	1/4FRT3 1/2-.040-NP	19/32	11/16	21/32	1/2
5/32	3/64	1/4FRT3 1/2-.045	1/4FRT3 1/2-.045-SS	1/4FRT3 1/2-.045-316SS	1/4FRT3 1/2-.045-NP	19/32	11/16	21/32	1/2
5/32	.050	1/4FRT3 1/2-.050	1/4FRT3 1/2-.050-SS	1/4FRT3 1/2-.050-316SS	1/4FRT3 1/2-.050-NP	19/16	11/16	21/32	1/2
5/32	1/16	1/4FRT3 1/2-1	1/4FRT3 1/2-1-SS	1/4FRT3 1/2-1-316SS	1/4FRT3 1/2-1-NP	19/16	11/16	21/32	9/16
5/32	5/64 / 2mm	1/4FRT3 1/2-2	1/4FRT3 1/2-2-SS	1/4FRT3 1/2-2-316SS	1/4FRT3 1/2-2-NP	19/16	11/16	21/32	9/16
5/32	3/32	1/4FRT3 1/2-2 1/2	1/4FRT3 1/2-2 1/2-SS	1/4FRT3 1/2-2 1/2-316SS	1/4FRT3 1/2-2 1/2-NP	19/32	11/16	21/32	9/16
5/32	1/8	1/4FRT3 1/2-3	1/4FRT3 1/2-3-SS	1/4FRT3 1/2-3-316SS	1/4FRT3 1/2-3-NP	19/32	11/16	21/32	21/32

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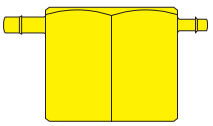
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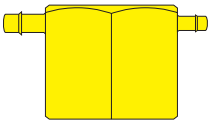
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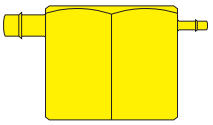
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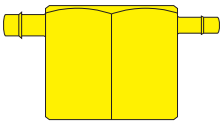
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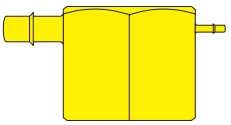
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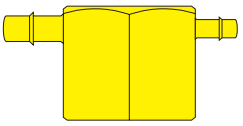
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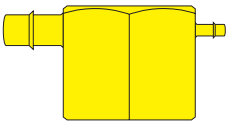
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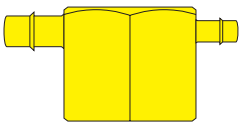
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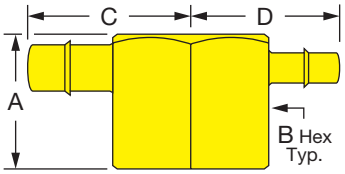
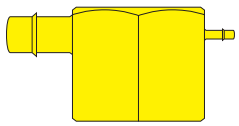
1/4 NPT Female Thread to Tube Reducing Tees (continued) 570

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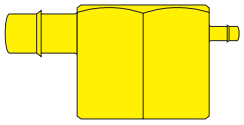
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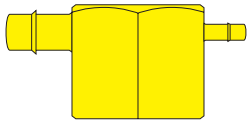
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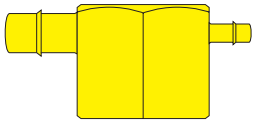
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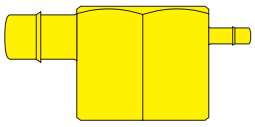
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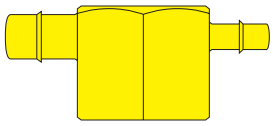
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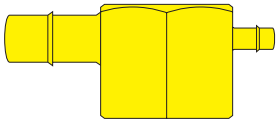
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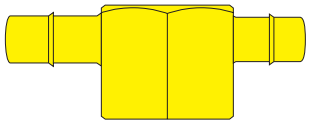
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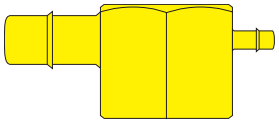
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Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
.170	1/32	1/4FRT4-.031	1/4FRT4-.031-SS	1/4FRT4-.031-316SS	1/4FRT4-.031-NP	19/32	11/16	11/16	1/2
.170	.040 / 1mm	1/4FRT4-.040	1/4FRT4-.040-SS	1/4FRT4-.040-316SS	1/4FRT4-.040-NP	19/32	11/16	11/16	1/2
.170	3/64	1/4FRT4-.045	1/4FRT4-.045-SS	1/4FRT4-.045-316SS	1/4FRT4-.045-NP	19/32	11/16	11/16	1/2
.170	.050	1/4FRT4-.050	1/4FRT4-.050-SS	1/4FRT4-.050-316SS	1/4FRT4-.050-NP	19/32	11/16	11/16	1/2
.170	1/16	1/4FRT4-1	1/4FRT4-1-SS	1/4FRT4-1-316SS	1/4FRT4-1-NP	19/32	11/16	11/16	9/16
.170	5/64 / 2mm	1/4FRT4-2	1/4FRT4-2-SS	1/4FRT4-2-316SS	1/4FRT4-2-NP	19/32	11/16	11/16	9/16
.170	3/32	1/4FRT4-2$^{1}/_{2}$	1/4FRT4-2$^{1}/_{2}$-SS	1/4FRT4-2$^{1}/_{2}$-316SS	1/4FRT4-2$^{1}/_{2}$-NP	19/32	11/16	11/16	9/16
.170	1/8	1/4FRT4-3	1/4FRT4-3-SS	1/4FRT4-3-316SS	1/4FRT4-3-NP	19/32	11/16	11/16	21/32
.170	5/32 / 4mm	1/4FRT4-3$^{1}/_{2}$	1/4FRT4-3$^{1}/_{2}$-SS	1/4FRT4-3$^{1}/_{2}$-316SS	1/4FRT4-3$^{1}/_{2}$-NP	19/32	11/16	11/16	21/32
3/16	1/32	1/4FRT5-.031	1/4FRT5-.031-SS	1/4FRT5-.031-316SS	1/4FRT5-.031-NP	19/32	11/16	23/32	1/2
3/16	.040 / 1mm	1/4FRT5-.040	1/4FRT5-.040-SS	1/4FRT5-.040-316SS	1/4FRT5-.040-NP	19/32	11/16	23/32	1/2
3/16	3/64	1/4FRT5-.045	1/4FRT5-.045-SS	1/4FRT5-.045-316SS	1/4FRT5-.045-NP	19/32	11/16	23/32	1/2
3/16	.050	1/4FRT5-.050	1/4FRT5-.050-SS	1/4FRT5-.050-316SS	1/4FRT5-.050-NP	19/16	11/16	23/16	1/2
3/16	1/16	1/4FRT5-1	1/4FRT5-1-SS	1/4FRT5-1-316SS	1/4FRT5-1-NP	19/16	11/16	23/16	9/16
3/16	5/64 / 2mm	1/4FRT5-2	1/4FRT5-2-SS	1/4FRT5-2-316SS	1/4FRT5-2-NP	19/16	11/16	23/16	9/16
3/16	3/32	1/4FRT5-2$^{1}/_{2}$	1/4FRT5-2$^{1}/_{2}$-SS	1/4FRT5-2$^{1}/_{2}$-316SS	1/4FRT5-2$^{1}/_{2}$-NP	19/32	11/16	23/32	9/16
3/16	1/8	1/4FRT5-3	1/4FRT5-3-SS	1/4FRT5-3-316SS	1/4FRT5-3-NP	19/32	11/16	23/32	21/32
3/16	5/32 / 4mm	1/4FRT5-3$^{1}/_{2}$	1/4FRT5-3$^{1}/_{2}$-SS	1/4FRT5-3$^{1}/_{2}$-316SS	1/4FRT5-3$^{1}/_{2}$-NP	19/32	11/16	23/32	21/32
3/16	.170	1/4FRT5-4	1/4FRT5-4-SS	1/4FRT5-4-316SS	1/4FRT5-4-NP	19/32	11/16	23/32	11/16
7/32	1/16	1/4FRT5$^{1}/_{2}$-1	1/4FRT5$^{1}/_{2}$-1-SS	1/4FRT5$^{1}/_{2}$-1-316SS	1/4FRT5$^{1}/_{2}$-1-NP	19/32	11/16	23/32	9/16
7/32	5/64 / 2mm	1/4FRT5$^{1}/_{2}$-2	1/4FRT5$^{1}/_{2}$-2-SS	1/4FRT5$^{1}/_{2}$-2-316SS	1/4FRT5$^{1}/_{2}$-2-NP	19/32	11/16	23/32	9/16
7/32	3/32	1/4FRT5$^{1}/_{2}$-2$^{1}/_{2}$	1/4FRT5$^{1}/_{2}$-2$^{1}/_{2}$-SS	1/4FRT5$^{1}/_{2}$-2$^{1}/_{2}$-316SS	1/4FRT5$^{1}/_{2}$-2$^{1}/_{2}$-NP	19/32	11/16	23/32	9/16
7/32	1/8	1/4FRT5$^{1}/_{2}$-3	1/4FRT5$^{1}/_{2}$-3-SS	1/4FRT5$^{1}/_{2}$-3-316SS	1/4FRT5$^{1}/_{2}$-3-NP	19/32	11/16	23/32	21/32
7/32	5/32 / 4mm	1/4FRT5$^{1}/_{2}$-3$^{1}/_{2}$	1/4FRT5$^{1}/_{2}$-3$^{1}/_{2}$-SS	1/4FRT5$^{1}/_{2}$-3$^{1}/_{2}$-316SS	1/4FRT5$^{1}/_{2}$-3$^{1}/_{2}$-NP	19/32	11/16	23/32	21/32
7/32	.170	1/4FRT5$^{1}/_{2}$-4	1/4FRT5$^{1}/_{2}$-4-SS	1/4FRT5$^{1}/_{2}$-4-316SS	1/4FRT5$^{1}/_{2}$-4-NP	19/32	11/16	23/32	11/16
7/32	3/16	1/4FRT5$^{1}/_{2}$-5	1/4FRT5$^{1}/_{2}$-5-SS	1/4FRT5$^{1}/_{2}$-5-316SS	1/4FRT5$^{1}/_{2}$-5-NP	19/32	11/16	23/32	23/32
6mm	1/16	1/4FRT5$^{3}/_{4}$-1	1/4FRT5$^{3}/_{4}$-1-SS	1/4FRT5$^{3}/_{4}$-1-316SS	1/4FRT5$^{3}/_{4}$-1-NP	19/32	11/16	27/32	9/16
6mm	5/64 / 2mm	1/4FRT5$^{3}/_{4}$-2	1/4FRT5$^{3}/_{4}$-2-SS	1/4FRT5$^{3}/_{4}$-2-316SS	1/4FRT5$^{3}/_{4}$-2-NP	19/32	11/16	27/32	9/16
6mm	3/32	1/4FRT5$^{3}/_{4}$-2$^{1}/_{2}$	1/4FRT5$^{3}/_{4}$-2$^{1}/_{2}$-SS	1/4FRT5$^{3}/_{4}$-2$^{1}/_{2}$-316SS	1/4FRT5$^{3}/_{4}$-2$^{1}/_{2}$-NP	19/32	11/16	27/32	9/16
6mm	1/8	1/4FRT5$^{3}/_{4}$-3	1/4FRT5$^{3}/_{4}$-3-SS	1/4FRT5$^{3}/_{4}$-3-316SS	1/4FRT5$^{3}/_{4}$-3-NP	19/16	11/16	27/32	21/32
6mm	5/32 / 4mm	1/4FRT5$^{3}/_{4}$-3$^{1}/_{2}$	1/4FRT5$^{3}/_{4}$-3$^{1}/_{2}$-SS	1/4FRT5$^{3}/_{4}$-3$^{1}/_{2}$-316SS	1/4FRT5$^{3}/_{4}$-3$^{1}/_{2}$-NP	19/16	11/16	27/32	21/32
6mm	.170	1/4FRT5$^{3}/_{4}$-4	1/4FRT5$^{3}/_{4}$-4-SS	1/4FRT5$^{3}/_{4}$-4-316SS	1/4FRT5$^{3}/_{4}$-4-NP	19/16	11/16	27/32	11/16
6mm	3/16	1/4FRT5$^{3}/_{4}$-5	1/4FRT5$^{3}/_{4}$-5-SS	1/4FRT5$^{3}/_{4}$-5-316SS	1/4FRT5$^{3}/_{4}$-5-NP	19/32	11/16	27/32	23/32
6mm	7/32	1/4FRT5$^{3}/_{4}$-5$^{1}/_{2}$	1/4FRT5$^{3}/_{4}$-5$^{1}/_{2}$-SS	1/4FRT5$^{3}/_{4}$-5$^{1}/_{2}$-316SS	1/4FRT5$^{3}/_{4}$-5$^{1}/_{2}$-NP	19/32	11/16	27/32	23/32
1/4	1/16	1/4FRT6-1	1/4FRT6-1-SS	1/4FRT6-1-316SS	1/4FRT6-1-NP	19/32	11/16	27/32	9/16
1/4	5/64 / 2mm	1/4FRT6-2	1/4FRT6-2-SS	1/4FRT6-2-316SS	1/4FRT6-2-NP	19/32	11/16	27/32	9/16
1/4	3/32	1/4FRT6-2$^{1}/_{2}$	1/4FRT6-2$^{1}/_{2}$-SS	1/4FRT6-2$^{1}/_{2}$-316SS	1/4FRT6-2$^{1}/_{2}$-NP	19/32	11/16	27/32	9/16
1/4	1/8	1/4FRT6-3	1/4FRT6-3-SS	1/4FRT6-3-316SS	1/4FRT6-3-NP	19/32	11/16	27/32	21/32

Continued on next page.

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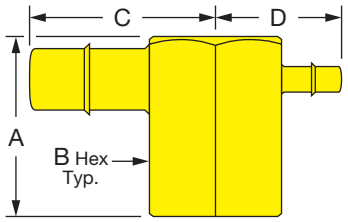
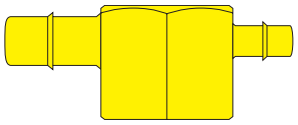
571 1/4 NPT Female Thread to Tube Reducing Tees (continued)

Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/4	5/32 / 4mm	1/4FRT6-3 1/2	1/4FRT6-3 1/2-SS	1/4FRT6-3 1/2-316SS	1/4FRT6-3 1/2-NP	19/32	11/16	27/32	21/32
1/4	.170	1/4FRT6-4	1/4FRT6-4-SS	1/4FRT6-4-316SS	1/4FRT6-4-NP	19/32	11/16	27/32	11/16
1/4	3/16	1/4FRT6-5	1/4FRT6-5-SS	1/4FRT6-5-316SS	1/4FRT6-5-NP	19/32	11/16	27/32	23/32
1/4	7/32	1/4FRT6-5 1/2	1/4FRT6-5 1/2-SS	1/4FRT6-5 1/2-316SS	1/4FRT6-5 1/2-NP	19/32	11/16	27/32	23/32
1/4	6mm	1/4FRT6-5 3/4	1/4FRT6-5 3/4-SS	1/4FRT6-5 3/4-316SS	1/4FRT6-5 3/4-NP	19/32	11/16	27/32	27/32
5/16 / 8mm	1/16	1/4FRT7-1	1/4FRT7-1-SS	1/4FRT7-1-316SS	1/4FRT7-1-NP	15/32	11/16	31/32	9/16
5/16 / 8mm	5/64 / 2mm	1/4FRT7-2	1/4FRT7-2-SS	1/4FRT7-2-316SS	1/4FRT7-2-NP	15/32	11/16	31/32	9/16
5/16 / 8mm	3/32	1/4FRT7-2 1/2	1/4FRT7-2 1/2-SS	1/4FRT7-2 1/2-316SS	1/4FRT7-2 1/2-NP	15/32	11/16	31/32	9/16
5/16 / 8mm	1/8	1/4FRT7-3	1/4FRT7-3-SS	1/4FRT7-3-316SS	1/4FRT7-3-NP	15/16	11/16	31/32	21/32
5/16 / 8mm	5/32 / 4mm	1/4FRT7-3 1/2	1/4FRT7-3 1/2-SS	1/4FRT7-3 1/2-316SS	1/4FRT7-3 1/2-NP	15/16	11/16	31/32	21/32
5/16 / 8mm	.170	1/4FRT7-4	1/4FRT7-4-SS	1/4FRT7-4-316SS	1/4FRT7-4-NP	15/16	11/16	31/32	11/16
5/16 / 8mm	3/16	1/4FRT7-5	1/4FRT7-5-SS	1/4FRT7-5-316SS	1/4FRT7-5-NP	15/32	11/16	31/32	23/32
5/16 / 8mm	7/32	1/4FRT7-5 1/2	1/4FRT7-5 1/2-SS	1/4FRT7-5 1/2-316SS	1/4FRT7-5 1/2-NP	15/32	11/16	31/32	23/32
5/16 / 8mm	6mm	1/4FRT7-5 3/4	1/4FRT7-5 3/4-SS	1/4FRT7-5 3/4-316SS	1/4FRT7-5 3/4-NP	15/32	11/16	31/32	27/32
5/16 / 8mm	1/4	1/4FRT7-6	1/4FRT7-6-SS	1/4FRT7-6-316SS	1/4FRT7-6-NP	15/32	11/16	31/32	27/32
3/8	1/16	1/4FRT8-1	1/4FRT8-1-SS	1/4FRT8-1-316SS	1/4FRT8-1-NP	15/32	11/16	7/8	9/16
3/8	5/64 / 2mm	1/4FRT8-2	1/4FRT8-2-SS	1/4FRT8-2-316SS	1/4FRT8-2-NP	15/32	11/16	7/8	9/16
3/8	3/32	1/4FRT8-2 1/2	1/4FRT8-2 1/2-SS	1/4FRT8-2 1/2-316SS	1/4FRT8-2 1/2-NP	15/32	11/16	7/8	9/16
3/8	1/8	1/4FRT8-3	1/4FRT8-3-SS	1/4FRT8-3-316SS	1/4FRT8-3-NP	15/32	11/16	7/8	21/32
3/8	5/32 / 4mm	1/4FRT8-3 1/2	1/4FRT8-3 1/2-SS	1/4FRT8-3 1/2-316SS	1/4FRT8-3 1/2-NP	15/32	11/16	7/8	21/32
3/8	.170	1/4FRT8-4	1/4FRT8-4-SS	1/4FRT8-4-316SS	1/4FRT8-4-NP	15/32	11/16	7/8	11/16
3/8	3/16	1/4FRT8-5	1/4FRT8-5-SS	1/4FRT8-5-316SS	1/4FRT8-5-NP	15/32	11/16	7/8	23/32
3/8	7/32	1/4FRT8-5 1/2	1/4FRT8-5 1/2-SS	1/4FRT8-5 1/2-316SS	1/4FRT8-5 1/2-NP	15/32	11/16	7/8	23/32
3/8	6mm	1/4FRT8-5 3/4	1/4FRT8-5 3/4-SS	1/4FRT8-5 3/4-316SS	1/4FRT8-5 3/4-NP	15/32	11/16	7/8	27/32
3/8	1/4	1/4FRT8-6	1/4FRT8-6-SS	1/4FRT8-6-316SS	1/4FRT8-6-NP	15/32	11/16	7/8	27/32
3/8	5/16 / 8mm	1/4FRT8-7	1/4FRT8-7-SS	1/4FRT8-7-316SS	1/4FRT8-7-NP	15/16	11/16	7/8	31/32
1/2	1/16	1/4FRT10-1	1/4FRT10-1-SS	1/4FRT10-1-316SS	1/4FRT10-1-NP	15/16	3/4	1 1/8	19/32
1/2	5/64 / 2mm	1/4FRT10-2	1/4FRT10-2-SS	1/4FRT10-2-316SS	1/4FRT10-2-NP	15/16	3/4	1 1/8	19/32
1/2	3/32	1/4FRT10-2 1/2	1/4FRT10-2 1/2-SS	1/4FRT10-2 1/2-316SS	1/4FRT10-2 1/2-NP	15/16	3/4	1 1/8	19/32
1/2	1/8	1/4FRT10-3	1/4FRT10-3-SS	1/4FRT10-3-316SS	1/4FRT10-3-NP	15/16	3/4	1 1/8	11/16
1/2	5/32 / 4mm	1/4FRT10-3 1/2	1/4FRT10-3 1/2-SS	1/4FRT10-3 1/2-316SS	1/4FRT10-3 1/2-NP	15/16	3/4	1 1/8	11/16
1/2	.170	1/4FRT10-4	1/4FRT10-4-SS	1/4FRT10-4-316SS	1/4FRT10-4-NP	15/16	3/4	1 1/8	23/32
1/2	3/16	1/4FRT10-5	1/4FRT10-5-SS	1/4FRT10-5-316SS	1/4FRT10-5-NP	15/16	3/4	1 1/8	3/4
1/2	7/32	1/4FRT10-5 1/2	1/4FRT10-5 1/2-SS	1/4FRT10-5 1/2-316SS	1/4FRT10-5 1/2-NP	15/16	3/4	1 1/8	3/4
1/2	6mm	1/4FRT10-5 3/4	1/4FRT10-5 3/4-SS	1/4FRT10-5 3/4-316SS	1/4FRT10-5 3/4-NP	15/16	3/4	1 1/8	7/8
1/2	1/4	1/4FRT10-6	1/4FRT10-6-SS	1/4FRT10-6-316SS	1/4FRT10-6-NP	15/16	3/4	1 1/8	7/8
1/2	5/16 / 8mm	1/4FRT10-7	1/4FRT10-7-SS	1/4FRT10-7-316SS	1/4FRT10-7-NP	15/16	3/4	1 1/8	1
1/2	3/8	1/4FRT10-8	1/4FRT10-8-SS	1/4FRT10-8-316SS	1/4FRT10-8-NP	15/16	3/4	1 1/8	29/32

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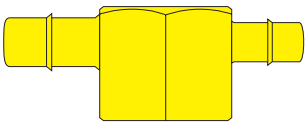
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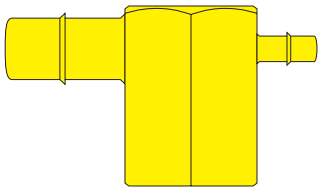
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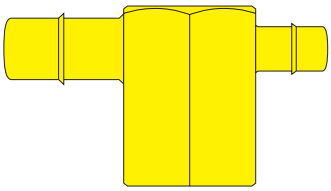
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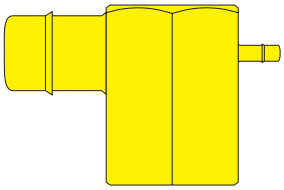
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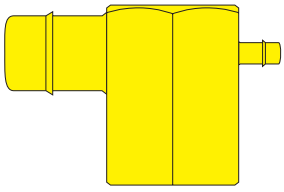
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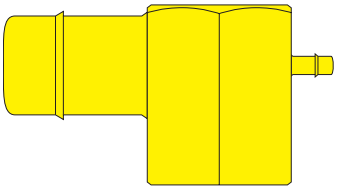
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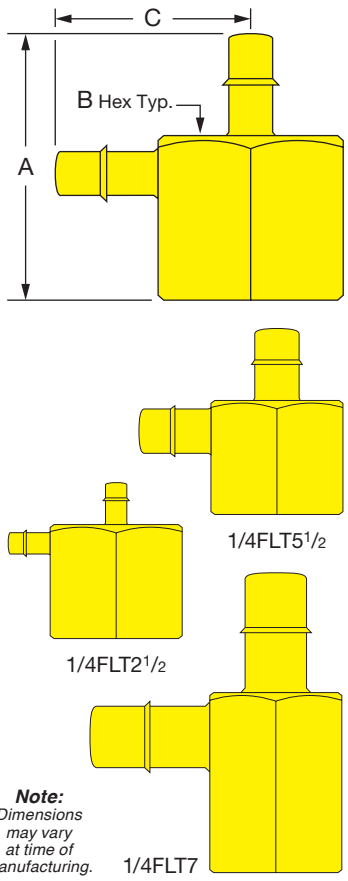
1/4 NPT Female Thread to Tube L-Tees 572



Note: *Dimensions may vary at time of manufacturing.*

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/4FLT.031	1/4FLT.031-SS	1/4FLT.031-316SS	1/4FLT.031-NP	3/4	11/16	1/2
.040 / 1mm	1/4FLT.040	1/4FLT.040-SS	1/4FLT.040-316SS	1/4FLT.040-NP	3/4	11/16	1/2
3/64	1/4FLT.045	1/4FLT.045-SS	1/4FLT.045-316SS	1/4FLT.045-NP	3/4	11/16	1/2
.050	1/4FLT.050	1/4FLT.050-SS	1/4FLT.050-316SS	1/4FLT.050-NP	3/4	11/16	1/2
1/16	1/4FLT1	1/4FLT1-SS	1/4FLT1-316SS	1/4FLT1-NP	13/16	11/16	9/16
5/64 / 2mm	1/4FLT2	1/4FLT2-SS	1/4FLT2-316SS	1/4FLT2-NP	13/16	11/16	9/16
3/32	1/4FLT2 1/2	1/4FLT2 1/2-SS	1/4FLT2 1/2-316SS	1/4FLT2 1/2-NP	13/16	11/16	9/16
1/8	1/4FLT3	1/4FLT3-SS	1/4FLT3-316SS	1/4FLT3-NP	29/32	11/16	21/32
5/32 / 4mm	1/4FLT3 1/2	1/4FLT3 1/2-SS	1/4FLT3 1/2-316SS	1/4FLT3 1/2-NP	29/32	11/16	21/32
.170	1/4FLT4	1/4FLT4-SS	1/4FLT4-316SS	1/4FLT4-NP	15/16	11/16	11/16
3/16	1/4FLT5	1/4FLT5-SS	1/4FLT5-316SS	1/4FLT5-NP	31/32	11/16	23/32
7/32	1/4FLT5 1/2	1/4FLT5 1/2-SS	1/4FLT5 1/2-316SS	1/4FLT5 1/2-NP	31/32	11/16	23/32
6mm	1/4FLT5 3/4	1/4FLT5 3/4-SS	1/4FLT5 3/4-316SS	1/4FLT5 3/4-NP	1 3/32	11/16	27/32
1/4	1/4FLT6	1/4FLT6-SS	1/4FLT6-316SS	1/4FLT6-NP	1 3/32	11/16	27/32
5/16 / 8mm	1/4FLT7	1/4FLT7-SS	1/4FLT7-316SS	1/4FLT7-NP	1 7/16	11/16	31/32
3/8	1/4FLT8	1/4FLT8-SS	1/4FLT8-316SS	1/4FLT8-NP	1 15/32	11/16	7/8
1/2	1/4FLT10	1/4FLT10-SS	1/4FLT10-316SS	1/4FLT10-NP	1 11/16	3/4	1 1/8

1/4 NPT Female Thread to Tube Reducing L-Tees 573

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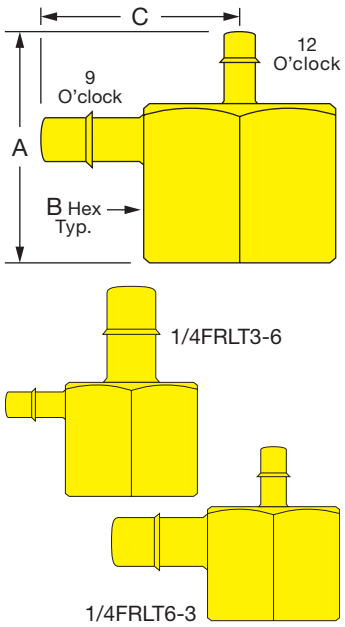
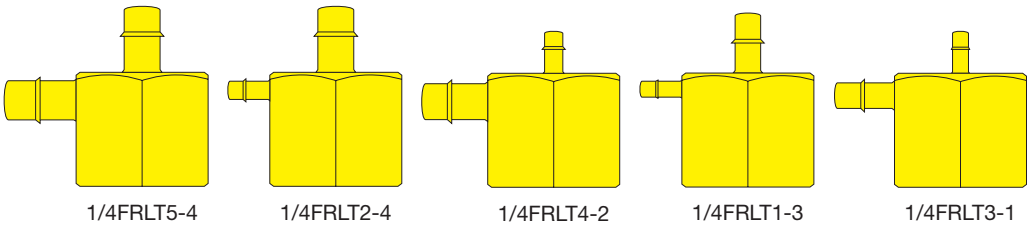


Branches		Dimensions (Reference)		
Tube ID	Branch #	A Ref.	B Typ.	C Ref.
1/32	.031	3/4	11/16	1/2
.040 / 1mm	.040	3/4	11/16	1/2
3/64	.045	3/4	11/16	1/2
.050	.050	3/4	11/16	1/2
1/16	1	13/16	11/16	9/16
5/64 / 2mm	2	13/16	11/16	9/16

Branches		Dimensions (Reference)		
Tube ID	Branch #	A Ref.	B Typ.	C Ref.
3/32	2 1/2	13/16	11/16	9/16
1/8	3	29/32	11/16	21/32
5/32 / 4mm	3 1/2	29/32	11/16	21/32
.170	4	15/16	11/16	11/16
3/16	5	31/32	11/16	23/32
7/32	5 1/2	31/32	11/16	23/32

Branches		Dimensions (Reference)		
Tube ID	Branch #	A Ref.	B Typ.	C Ref.
6mm	5 3/4	1 3/32	11/16	27/32
1/4	6	1 3/32	11/16	27/32
5/16 / 8mm	7	1 7/16	11/16	31/32
3/8	8	1 15/32	11/16	7/8
1/2	10	1 11/16	3/4	1 1/8

Dimensions may vary during manufacturing and according to branch options chosen.



Unless otherwise specified, parts will be Brass. For other materials, add the following codes to the part number:

- **-SS = Stainless Steel 303**
- **-316SS = Stainless Steel 316**
- **-NP = Electroless Nickel Plate**

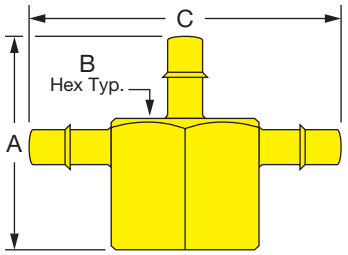
Part Numbers for 1/4 NPT Female Thread to Tube Reducing L-Tees:

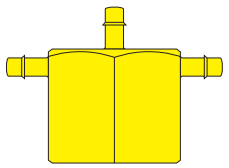
Thread Size → **1/4** **FRLT** **#** - **#** ← 12 O'clock Branch #

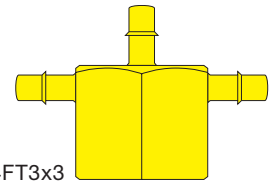
Fitting Series ↑ ↑ 9 O'clock Branch #

574 — 1/4 NPT Female Thread to Tube Tees x 3

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/4FT.031x3	1/4FT.031x3-SS	1/4FT.031x3-316SS	1/4FT.031x3-NP	3/4	11/16	1
.040 / 1mm	1/4FT.040x3	1/4FT.040x3-SS	1/4FT.040x3-316SS	1/4FT.040x3-NP	3/4	11/16	1
3/64	1/4FT.045x3	1/4FT.045x3-SS	1/4FT.045x3-316SS	1/4FT.045x3-NP	3/4	11/16	1
.050	1/4FT.050x3	1/4FT.050x3-SS	1/4FT.050x3-316SS	1/4FT.050x3-NP	3/4	11/16	1
1/16	1/4FT1x3	1/4FT1x3-SS	1/4FT1x3-316SS	1/4FT1x3-NP	13/16	11/16	1 1/8
5/64 / 2mm	1/4FT2x3	1/4FT2x3-SS	1/4FT2x3-316SS	1/4FT2x3-NP	13/16	11/16	1 1/8
3/32	1/4FT2 1/2x3	1/4FT2 1/2x3-SS	1/4FT2 1/2x3-316SS	1/4FT2 1/2x3-NP	13/16	11/16	1 1/8
1/8	1/4FT3x3	1/4FT3x3-SS	1/4FT3x3-316SS	1/4FT3x3-NP	29/32	11/16	1 5/16
5/32 / 4mm	1/4FT3 1/2x3	1/4FT3 1/2x3-SS	1/4FT3 1/2x3-316SS	1/4FT3 1/2x3-NP	29/32	11/16	1 5/16
.170	1/4FT4x3	1/4FT4x3-SS	1/4FT4x3-316SS	1/4FT4x3-NP	15/16	11/16	1 3/8
3/16	1/4FT5x3	1/4FT5x3-SS	1/4FT5x3-316SS	1/4FT5x3-NP	31/32	11/16	1 7/16
7/32	1/4FT5 1/2x3	1/4FT5 1/2x3-SS	1/4FT5 1/2x3-316SS	1/4FT5 1/2x3-NP	31/32	11/16	1 7/16
6mm	1/4FT5 3/4x3	1/4FT5 3/4x3-SS	1/4FT5 3/4x3-316SS	1/4FT5 3/4x3-NP	13/32	11/16	1 21/32
1/4	1/4FT6x3	1/4FT6x3-SS	1/4FT6x3-316SS	1/4FT6x3-NP	13/32	11/16	1 21/32
5/16 / 8mm	1/4FT7x3	1/4FT7x3-SS	1/4FT7x3-316SS	1/4FT7x3-NP	1 7/16	11/16	1 15/16
3/8	1/4FT8x3	1/4FT8x3-SS	1/4FT8x3-316SS	1/4FT8x3-NP	1 15/32	11/16	1 3/4
1/2	1/4FT10x3	1/4FT10x3-SS	1/4FT10x3-316SS	1/4FT10x3-NP	1 11/16	3/4	2 1/4




1/4FT2x3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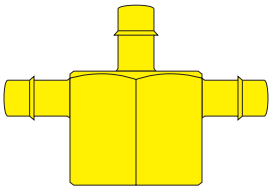

1/4FT4x3

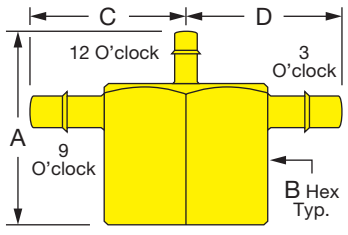
575 — 1/4 NPT Female Thread to Tube Custom Reducing Tees x 3

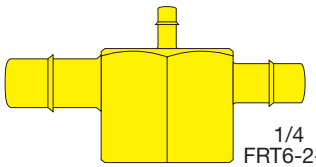
Branches		Dimensions (Reference)			
Tube ID	Branch #	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	3/4	11/16	1/2	1/2
.040 / 1mm	.040	3/4	11/16	1/2	1/2
3/64	.045	3/4	11/16	1/2	1/2
.050	.050	3/4	11/16	1/2	1/2
1/16	1	13/16	11/16	9/16	9/16
5/64 / 2mm	2	13/16	11/16	9/16	9/16

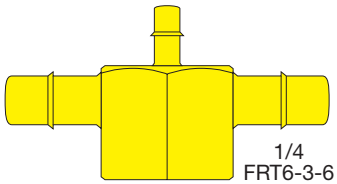
Branches		Dimensions (Reference)			
Tube ID	Branch #	A Ref.	B Typ.	C Ref.	D Ref.
3/32	2 1/2	13/16	11/16	9/16	9/16
1/8	3	29/32	11/16	21/32	21/32
5/32 / 4mm	3 1/2	29/32	11/16	21/32	21/32
.170	4	15/16	11/16	11/16	11/16
3/16	5	31/32	11/16	23/32	23/32
7/32	5 1/2	31/32	11/16	23/32	23/32

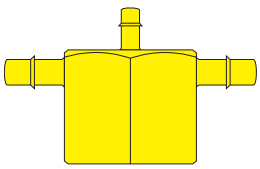
Branches		Dimensions (Reference)			
Tube ID	Branch #	A Ref.	B Typ.	C Ref.	D Ref.
6mm	5 3/4	1 3/32	11/16	27/32	27/32
1/4	6	1 3/32	11/16	27/32	27/32
5/16 / 8mm	7	1 7/16	11/16	31/32	31/32
3/8	8	1 15/32	11/16	7/8	7/8
1/2	10	1 11/16	3/4	1 1/8	1 1/8

Dimensions may vary during manufacturing and according to branch options chosen.




1/4 FRT6-2-5


1/4 FRT6-3-6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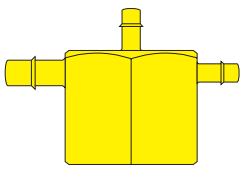
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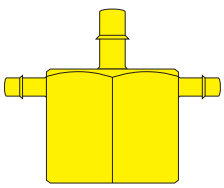
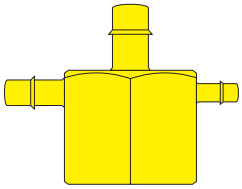

1/4FRT2-3-2


1/4FRT3-4-2

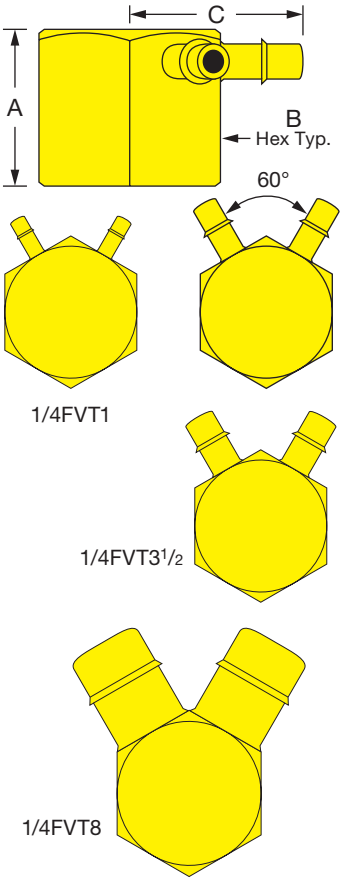
Part Numbers for 1/4 NPT Female Thread to Tube Reducing Tees x 3:

Thread Size → 1/4 — Fitting Series → FRT — # (9 O'clock Branch #) - # (12 O'clock Branch #) - # (3 O'clock Branch #)

Unless otherwise specified, parts will be Brass. For other materials, add the following codes to the part number:

- **-SS = Stainless Steel 303**
- **-316SS = Stainless Steel 316**
- **-NP = Electroless Nickel Plate**

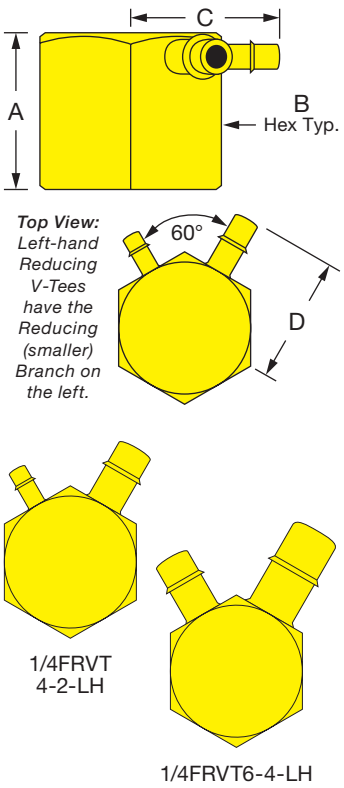
1/4 NPT Female Thread to Tube V-Tees 576



Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/4FVT.031	1/4FVT.031-SS	1/4FVT.031-316SS	1/4FVT.031-NP	19/32	11/16	1/2
.040 / 1mm	1/4FVT.040	1/4FVT.040-SS	1/4FVT.040-316SS	1/4FVT.040-NP	19/32	11/16	1/2
3/64	1/4FVT.045	1/4FVT.045-SS	1/4FVT.045-316SS	1/4FVT.045-NP	19/32	11/16	1/2
.050	1/4FVT.050	1/4FVT.050-SS	1/4FVT.050-316SS	1/4FVT.050-NP	19/32	11/16	1/2
1/16	1/4FVT1	1/4FVT1-SS	1/4FVT1-316SS	1/4FVT1-NP	19/32	11/16	9/16
5/64 / 2mm	1/4FVT2	1/4FVT2-SS	1/4FVT2-316SS	1/4FVT2-NP	19/32	11/16	9/16
3/32	1/4FVT2 1/2	1/4FVT2 1/2-SS	1/4FVT2 1/2-316SS	1/4FVT2 1/2-NP	19/32	11/16	9/16
1/8	1/4FVT3	1/4FVT3-SS	1/4FVT3-316SS	1/4FVT3-NP	19/32	11/16	21/32
5/32 / 4mm	1/4FVT3 1/2	1/4FVT3 1/2-SS	1/4FVT3 1/2-316SS	1/4FVT3 1/2-NP	19/32	11/16	21/32
.170	1/4FVT4	1/4FVT4-SS	1/4FVT4-316SS	1/4FVT4-NP	19/32	11/16	11/16
3/16	1/4FVT5	1/4FVT5-SS	1/4FVT5-316SS	1/4FVT5-NP	19/32	11/16	23/32
7/32	1/4FVT5 1/2	1/4FVT5 1/2-SS	1/4FVT5 1/2-316SS	1/4FVT5 1/2-NP	19/32	11/16	23/32
6mm	1/4FVT5 3/4	1/4FVT5 3/4-SS	1/4FVT5 3/4-316SS	1/4FVT5 3/4-NP	19/32	11/16	27/32
1/4	1/4FVT6	1/4FVT6-SS	1/4FVT6-316SS	1/4FVT6-NP	19/32	11/16	27/32
5/16 / 8mm	1/4FVT7	1/4FVT7-SS	1/4FVT7-316SS	1/4FVT7-NP	15/16	11/16	31/32
3/8	1/4FVT8	1/4FVT8-SS	1/4FVT8-316SS	1/4FVT8-NP	15/16	*Consult Factory*	
1/2	1/4FVT10	1/4FVT10-SS	1/4FVT10-316SS	1/4FVT10-NP	15/16	*Consult Factory*	

1/4 NPT Female Thread to Tube Reducing Left-Hand V-Tees 577

W



Top View: Left-hand Reducing V-Tees have the Reducing (smaller) Branch on the left.

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	19/32	11/16	1/2	1/2
.040 / 1mm	.040	19/32	11/16	1/2	1/2
3/64	.045	19/32	11/16	1/2	1/2
.050	.050	19/32	11/16	1/2	1/2
1/16	1	19/32	11/16	9/16	9/16
5/64 / 2mm	2	19/32	11/16	9/16	9/16
3/32	2 1/2	19/32	11/16	9/16	9/16
1/8	3	19/32	11/16	21/32	21/32
5/32 / 4mm	3 1/2	19/32	11/16	21/32	21/32

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
.170	4	19/32	11/16	11/16	11/16
3/16	5	19/32	11/16	23/32	23/32
7/32	5 1/2	19/32	11/16	23/32	23/32
6mm	5 3/4	19/32	11/16	27/32	27/32
1/4	6	19/32	11/16	27/32	27/32
5/16 / 8mm	7	15/16	11/16	31/32	31/32
3/8	8	15/16	11/16	7/8	7/8
1/2	10	15/16	3/4	1 1/8	1 1/8

Note: *Dimensions may vary at time of manufacturing and according to branch options/sizes chosen.*

Part Numbers for 1/4 NPT Female Thread to Tube Reducing Left-Hand V-Tees:

Thread Size → 1/4 FRVT (Fitting Series) # (Larger Branch #) - # (Smaller Branch #) LH ← Left-Hand Indicator

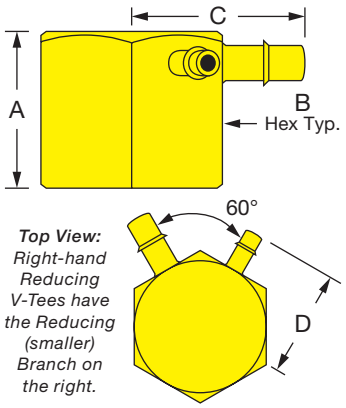
Unless otherwise specified, parts will be Brass. For other materials, add these codes to the part number:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

578 1/4 NPT Female Thread to Tube Reducing Right-Hand V-Tees

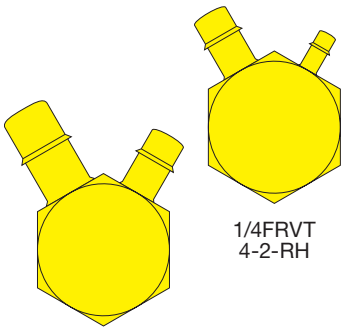
Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	19/32	11/16	1/2	1/2
.040 / 1mm	.040	19/32	11/16	1/2	1/2
3/64	.045	19/32	11/16	1/2	1/2
.050	.050	19/32	11/16	1/2	1/2
1/16	1	19/32	11/16	9/16	9/16
5/64 / 2mm	2	19/32	11/16	9/16	9/16
3/32	2 1/2	19/32	11/16	9/16	9/16
1/8	3	19/32	11/16	21/32	21/32
5/32 / 4mm	3 1/2	19/32	11/16	21/32	21/32

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
.170	4	19/32	11/16	11/16	11/16
3/16	5	19/32	11/16	23/32	23/32
7/32	5 1/2	19/32	11/16	23/32	23/32
6mm	5 3/4	19/32	11/16	27/32	27/32
1/4	6	19/32	11/16	27/32	27/32
5/16 / 8mm	7	15/16	11/16	31/32	31/32
3/8	8	15/16	11/16	7/8	7/8
1/2	10	15/16	3/4	1 1/8	1 1/8

Note: *Dimensions may vary at time of manufacturing and according to branch options/sizes chosen.*



Top View: *Right-hand Reducing V-Tees have the Reducing (smaller) Branch on the right.*



1/4FRVT 4-2-RH

1/4FRVT6-4-RH

Part Numbers for 1/4 NPT Female Thread to Tube Reducing Right-Hand V-Tees:

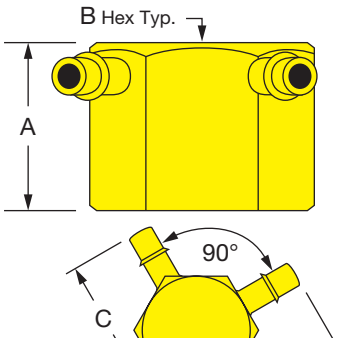
Thread Size → **1/4** **FRVT** **#** - **#** - **RH** ← Right-Hand Indicator

Fitting Series ↑ | Larger Branch # ↑ | Smaller Branch # ↑

Unless otherwise specified, parts will be Brass. For other materials, add these codes to the part number:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

579 1/4 NPT Female Thread to Tube 90° V-Tees

Tube ID	Part Numbers				Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/32	1/4FVT.031-90°	1/4FVT.031-90°-SS	1/4FVT.031-90°-316SS	1/4FVT.031-90°-NP	19/32	11/16	Consult Factory	1/2
.040 / 1mm	1/4FVT.040-90°	1/4FVT.040-90°-SS	1/4FVT.040-90°-316SS	1/4FVT.040-90°-NP	19/32	11/16		1/2
3/64	1/4FVT.045-90°	1/4FVT.045-90°-SS	1/4FVT.045-90°-316SS	1/4FVT.045-90°-NP	19/32	11/16		1/2
.050	1/4FVT.050-90°	1/4FVT.050-90°-SS	1/4FVT.050-90°-316SS	1/4FVT.050-90°-NP	19/32	11/16		1/2
1/16	1/4FVT1-90°	1/4FVT1-90°-SS	1/4FVT1-90°-316SS	1/4FVT1-90°-NP	19/32	11/16		9/16
5/64 / 2mm	1/4FVT2-90°	1/4FVT2-90°-SS	1/4FVT2-90°-316SS	1/4FVT2-90°-NP	19/32	11/16		9/16
3/32	1/4FVT2 1/2-90°	1/4FVT2 1/2-90°-SS	1/4FVT2 1/2-90°-316SS	1/4FVT2 1/2-90°-NP	19/32	11/16		9/16
1/8	1/4FVT3-90°	1/4FVT3-90°-SS	1/4FVT3-90°-316SS	1/4FVT3-90°-NP	19/32	11/16		21/32
5/32 / 4mm	1/4FVT3 1/2-90°	1/4FVT3 1/2-90°-SS	1/4FVT3 1/2-90°-316SS	1/4FVT3 1/2-90°-NP	19/32	11/16		21/32
.170	1/4FVT4-90°	1/4FVT4-90°-SS	1/4FVT4-90°-316SS	1/4FVT4-90°-NP	19/32	11/16		11/16
3/16	1/4FVT5-90°	1/4FVT5-90°-SS	1/4FVT5-90°-316SS	1/4FVT5-90°-NP	19/32	11/16		23/32
7/32	1/4FVT5 1/2-90°	1/4FVT5 1/2-90°-SS	1/4FVT5 1/2-90°-316SS	1/4FVT5 1/2-90°-NP	19/32	11/16		23/32
6mm	1/4FVT5 3/4-90°	1/4FVT5 3/4-90°-SS	1/4FVT5 3/4-90°-316SS	1/4FVT5 3/4-90°-NP	19/32	11/16		27/32
1/4	1/4FVT6-90°	1/4FVT6-90°-SS	1/4FVT6-90°-316SS	1/4FVT6-90°-NP	19/32	11/16		27/32
5/16 / 8mm	1/4FVT7-90°	1/4FVT7-90°-SS	1/4FVT7-90°-316SS	1/4FVT7-90°-NP	15/16	11/16		31/32
3/8	1/4FVT8-90°	1/4FVT8-90°-SS	1/4FVT8-90°-316SS	1/4FVT8-90°-NP	15/16	11/16		7/8
1/2	1/4FVT10-90°	1/4FVT10-90°-SS	1/4FVT10-90°-316SS	1/4FVT10-90°-NP	15/16	3/4		1 1/8



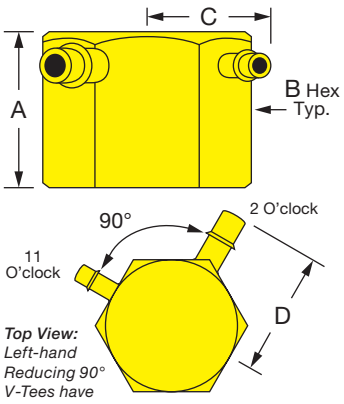
Note: *For systems that do not allow the degree symbol (°) to be used, substitute with 'DEG' in the part number.*

1/4FVT3-90°

1/4FVT5-90°

1/4FVT1-90°

1/4 NPT Male Thread to Tube Reducing Left-Hand 90° V-Tees 580



Top View: Left-hand Reducing 90° V-Tees have the hex flat branch on the left at 11 o'clock, while the hex point branch is at 2 o'clock.

Note: *Dimensions may vary at time of manufacturing & according to branches chosen.*

Branches		Dimensions (Reference)				
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.	
1/32	.031	19/32	11/16	1/2		Consult Factory
.040 / 1mm	.040	19/32	11/16	1/2		Consult Factory
3/64	.045	19/32	11/16	1/2		Consult Factory
.050	.050	19/32	11/16	1/2		Consult Factory
1/16	1	19/32	11/16	9/16		Consult Factory
5/64 / 2mm	2	19/32	11/16	9/16		Consult Factory
3/32	2 1/2	19/32	11/16	9/16		Consult Factory
1/8	3	19/32	11/16	21/32		Consult Factory
5/32 / 4mm	3 1/2	19/32	11/16	21/32		Consult Factory

Branches		Dimensions (Reference)				
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.	
.170	4	19/32	11/16	11/16		Consult Factory
3/16	5	19/32	11/16	23/32		Consult Factory
7/32	5 1/2	19/32	11/16	23/32		Consult Factory
6mm	5 3/4	19/32	11/16	27/32		Consult Factory
1/4	6	19/32	11/16	27/32		Consult Factory
5/16 / 8mm	7	15/16	11/16	31/32		Consult Factory
3/8	8	15/16	11/16	7/8		Consult Factory
1/2	10	15/16	3/4	1 1/8		Consult Factory

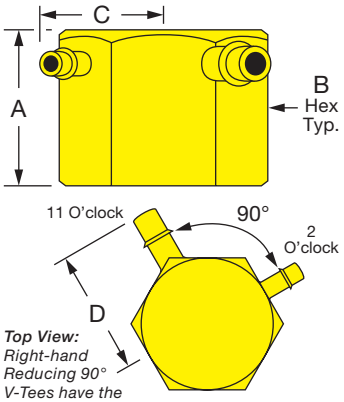
Note: *For systems that do not allow the degree symbol (°) to be used, substitute it with 'DEG' in the part number.*

Part Numbers for 1/4 NPT Female Thread to Tube Reducing Left-Hand 90° V-Tees:

Thread Size → **1/4** **FRVT** **#** - **#** - **90°** - **RH** ← Left-Hand Indicator

Fitting Series ↑ | **#** ↑ 11 O'clock Branch # | **#** ↑ 2 O'clock Branch # | **90°** ↑ 90° Indicator

1/4 NPT Male Thread to Tube Reducing Right-Hand 90° V-Tees 581



Top View: Right-hand Reducing 90° V-Tees have the hex flat branch on the right at 2 o'clock, while the hex point branch is at 11 o'clock.

Note: *Dimensions may vary at time of manufacturing & according to branches chosen.*

Branches		Dimensions (Reference)				
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.	
1/32	.031	19/32	11/16	1/2		Consult Factory
.040 / 1mm	.040	19/32	11/16	1/2		Consult Factory
3/64	.045	19/32	11/16	1/2		Consult Factory
.050	.050	19/32	11/16	1/2		Consult Factory
1/16	1	19/32	11/16	9/16		Consult Factory
5/64 / 2mm	2	19/32	11/16	9/16		Consult Factory
3/32	2 1/2	19/32	11/16	9/16		Consult Factory
1/8	3	19/32	11/16	21/32		Consult Factory
5/32 / 4mm	3 1/2	19/32	11/16	21/32		Consult Factory

Branches		Dimensions (Reference)				
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.	
.170	4	19/32	11/16	11/16		Consult Factory
3/16	5	19/32	11/16	23/32		Consult Factory
7/32	5 1/2	19/32	11/16	23/32		Consult Factory
6mm	5 3/4	19/32	11/16	27/32		Consult Factory
1/4	6	19/32	11/16	27/32		Consult Factory
5/16 / 8mm	7	15/16	11/16	31/32		Consult Factory
3/8	8	15/16	11/16	7/8		Consult Factory
1/2	10	15/16	3/4	1 1/8		Consult Factory

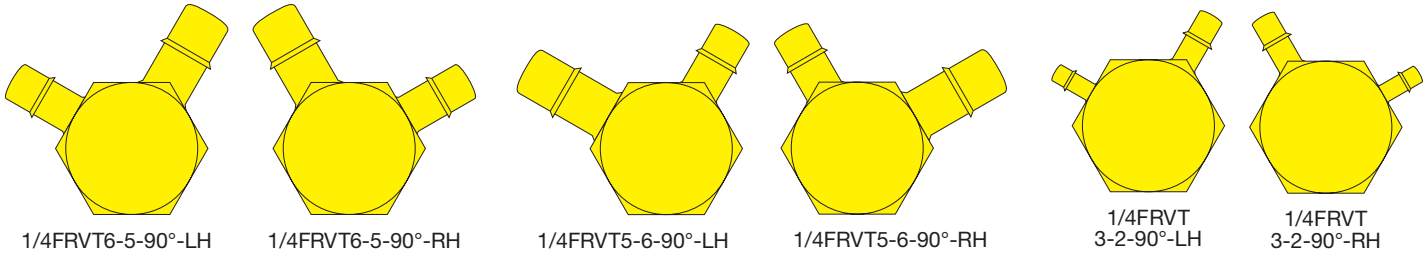
Note: *For systems that do not allow the degree symbol (°) to be used, substitute it with 'DEG' in the part number.*

Part Numbers for 1/4 NPT Female Thread to Tube Reducing Right-Hand 90° V-Tees:

Thread Size → **1/4** **FRVT** **#** - **#** - **90°** - **RH** ← Right-Hand Indicator

Fitting Series ↑ | **#** ↑ 11 O'clock Branch # | **#** ↑ 2 O'clock Branch # | **90°** ↑ 90° Indicator

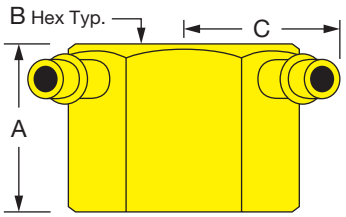
Unless otherwise specified, parts will be Brass. To order other materials, please add the following codes to the part number:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

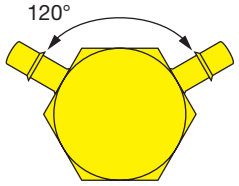


1/4FRVT6-5-90°-LH | 1/4FRVT6-5-90°-RH | 1/4FRVT5-6-90°-LH | 1/4FRVT5-6-90°-RH | 1/4FRVT 3-2-90°-LH | 1/4FRVT 3-2-90°-RH

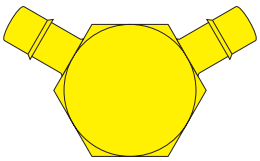
582 1/4 NPT Female Thread to Tube 120° V-Tees

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/4FVT.031-120°	1/4FVT.031-120°-SS	1/4FVT.031-120°-316SS	1/4FVT.031-120°-NP	19/32	11/16	1/2
.040 / 1mm	1/4FVT.040-120°	1/4FVT.040-120°-SS	1/4FVT.040-120°-316SS	1/4FVT.040-120°-NP	19/32	11/16	1/2
3/64	1/4FVT.045-120°	1/4FVT.045-120°-SS	1/4FVT.045-120°-316SS	1/4FVT.045-120°-NP	19/32	11/16	1/2
.050	1/4FVT.050-120°	1/4FVT.050-120°-SS	1/4FVT.050-120°-316SS	1/4FVT.050-120°-NP	19/32	11/16	1/2
1/16	1/4FVT1-120°	1/4FVT1-120°-SS	1/4FVT1-120°-316SS	1/4FVT1-120°-NP	19/32	11/16	9/16
5/64 / 2mm	1/4FVT2-120°	1/4FVT2-120°-SS	1/4FVT2-120°-316SS	1/4FVT2-120°-NP	19/32	11/16	9/16
3/32	1/4FVT2 1/2-120°	1/4FVT2 1/2-120°-SS	1/4FVT2 1/2-120°-316SS	1/4FVT2 1/2-120°-NP	19/32	11/16	9/16
1/8	1/4FVT3-120°	1/4FVT3-120°-SS	1/4FVT3-120°-316SS	1/4FVT3-120°-NP	19/32	11/16	21/32
5/32 / 4mm	1/4FVT3 1/2-120°	1/4FVT3 1/2-120°-SS	1/4FVT3 1/2-120°-316SS	1/4FVT3 1/2-120°-NP	19/32	11/16	21/32
.170	1/4FVT4-120°	1/4FVT4-120°-SS	1/4FVT4-120°-316SS	1/4FVT4-120°-NP	19/32	11/16	11/16
3/16	1/4FVT5-120°	1/4FVT5-120°-SS	1/4FVT5-120°-316SS	1/4FVT5-120°-NP	19/32	11/16	23/32
7/32	1/4FVT5 1/2-120°	1/4FVT5 1/2-120°-SS	1/4FVT5 1/2-120°-316SS	1/4FVT5 1/2-120°-NP	19/32	11/16	23/32
6mm	1/4FVT5 3/4-120°	1/4FVT5 3/4-120°-SS	1/4FVT5 3/4-120°-316SS	1/4FVT5 3/4-120°-NP	19/32	11/16	27/32
1/4	1/4FVT6-120°	1/4FVT6-120°-SS	1/4FVT6-120°-316SS	1/4FVT6-120°-NP	19/32	11/16	27/32
5/16 / 8mm	1/4FVT7-120°	1/4FVT7-120°-SS	1/4FVT7-120°-316SS	1/4FVT7-120°-NP	15/16	11/16	31/32
3/8	1/4FVT8-120°	1/4FVT8-120°-SS	1/4FVT8-120°-316SS	1/4FVT8-120°-NP	15/16	11/16	7/8
1/2	1/4FVT10-120°	1/4FVT10-120°-SS	1/4FVT10-120°-316SS	1/4FVT10-120°-NP	15/16	3/4	1 1/8



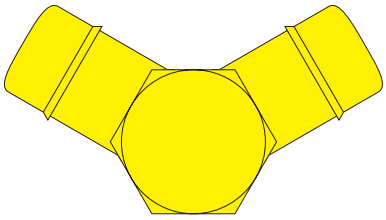


1/4FVT1-120°

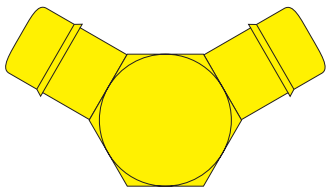


1/4FVT5-120°

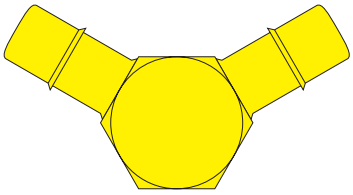
Note: for systems that do not allow the degree symbol (°) to be used, substitute with 'DEG' in the part number.



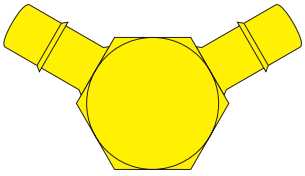
1/4FVT10-120°



1/4FVT8-120°

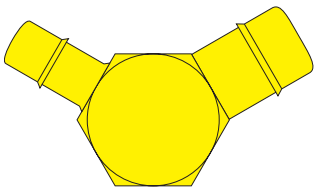


1/4FVT7-120°

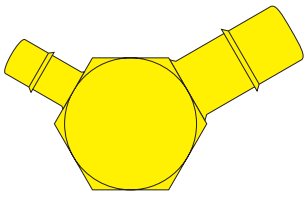


1/4FVT6-120°

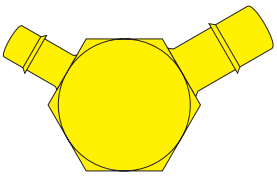
1/4 NPT Female Thread to Tube 120° Reducing V-Tees available! Lead times apply Consult factory for details!



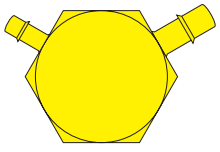
1/4FRVT8-6-120°-LH



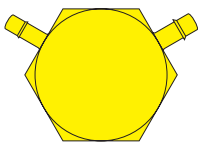
1/4FRVT7-5-120°-LH



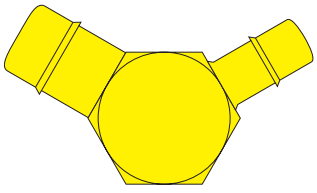
1/4FRVT6-4-120°-LH



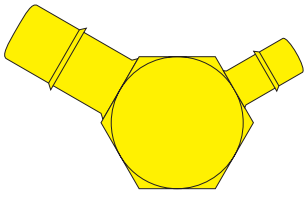
1/4FRVT 3-2-120°-LH



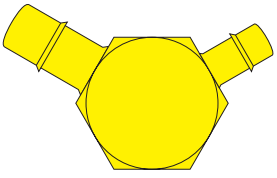
1/4FRVT 2-1-120°-LH



1/4FRVT8-6-120°-RH



1/4FRVT7-5-120°-RH



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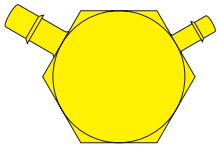
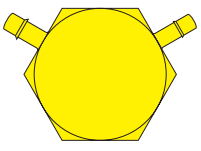
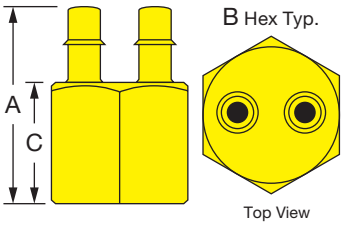


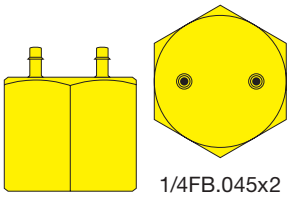
1/4FRVT 3-2-120°-RH

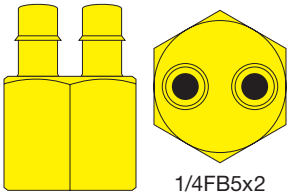


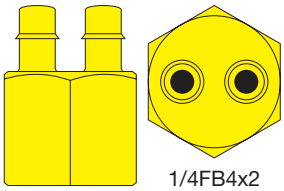
1/4FRVT 2-1-120°-RH

1/4 NPT Female Straight Manifolds with 2 Branches 583

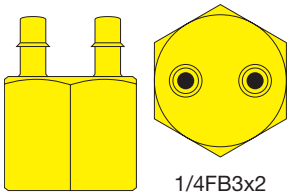


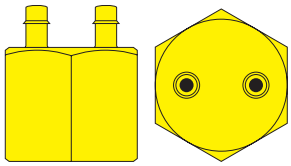

1/4FB.045x2

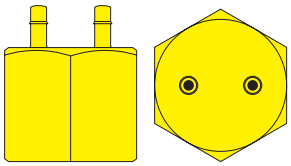

1/4FB5x2


1/4FB4x2

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/4FB.031x2	1/4FB.031x2-SS	1/4FB.031x2-316SS	1/4FB.031x2-NP	19/32	11/16	3/4
.040 / 1mm	1/4FB.040x2	1/4FB.040x2-SS	1/4FB.040x2-316SS	1/4FB.040x2-NP	19/32	11/16	3/4
3/64	1/4FB.045x2	1/4FB.045x2-SS	1/4FB.045x2-316SS	1/4FB.045x2-NP	19/32	11/16	3/4
.050	1/4FB.050x2	1/4FB.050x2-SS	1/4FB.050x2-316SS	1/4FB.050x2-NP	19/32	11/16	3/4
1/16	1/4FB1x2	1/4FB1x2-SS	1/4FB1x2-316SS	1/4FB1x2-NP	19/32	11/16	13/16
5/64 / 2mm	1/4FB2x2	1/4FB2x2-SS	1/4FB2x2-316SS	1/4FB2x2-NP	19/32	11/16	13/16
3/32	1/4FB2 1/2x2	1/4FB2 1/2x2-SS	1/4FB2 1/2x2-316SS	1/4FB2 1/2x2-NP	19/32	11/16	13/16
1/8	1/4FB3x2	1/4FB3x2-SS	1/4FB3x2-316SS	1/4FB3x2-NP	19/32	11/16	29/32
5/32 / 4mm	1/4FB3 1/2x2	1/4FB3 1/2x2-SS	1/4FB3 1/2x2-316SS	1/4FB3 1/2x2-NP	19/32	11/16	29/32
.170	1/4FB4x2	1/4FB4x2-SS	1/4FB4x2-316SS	1/4FB4x2-NP	19/32	11/16	15/16
3/8	1/4FB5x2	1/4FB5x2-SS	1/4FB5x2-316SS	1/4FB5x2-NP	19/32	11/16	31/32


1/4FB3x2

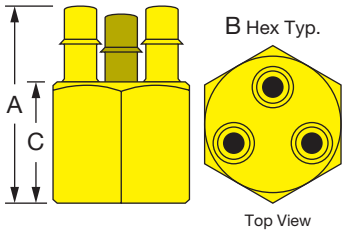

1/4FB2 1/2x2

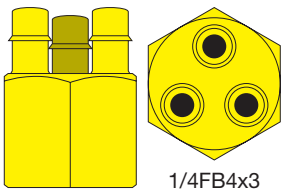

1/4FB1x2

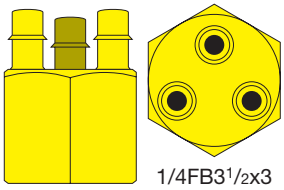
Note: *Images are not intended for dimensional measurements. Dimensions may vary at time of manufacturing.*

1/4 NPT Female Straight Manifolds with 3 Branches 584

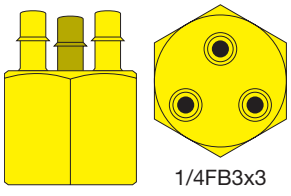
W




1/4FB4x3


1/4FB3 1/2x3

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/4FB.031x3	1/4FB.031x3-SS	1/4FB.031x3-316SS	1/4FB.031x3-NP	19/32	11/16	3/4
.040 / 1mm	1/4FB.040x3	1/4FB.040x3-SS	1/4FB.040x3-316SS	1/4FB.040x3-NP	19/32	11/16	3/4
3/64	1/4FB.045x3	1/4FB.045x3-SS	1/4FB.045x3-316SS	1/4FB.045x3-NP	19/32	11/16	3/4
.050	1/4FB.050x3	1/4FB.050x3-SS	1/4FB.050x3-316SS	1/4FB.050x3-NP	19/32	11/16	3/4
1/16	1/4FB1x3	1/4FB1x3-SS	1/4FB1x3-316SS	1/4FB1x3-NP	19/32	11/16	13/16
5/64 / 2mm	1/4FB2x3	1/4FB2x3-SS	1/4FB2x3-316SS	1/4FB2x3-NP	19/32	11/16	13/16
3/32	1/4FB2 1/2x3	1/4FB2 1/2x3-SS	1/4FB2 1/2x3-316SS	1/4FB2 1/2x3-NP	19/32	11/16	13/16
1/8	1/4FB3x3	1/4FB3x3-SS	1/4FB3x3-316SS	1/4FB3x3-NP	19/32	11/16	29/32
5/32 / 4mm	1/4FB3 1/2x3	1/4FB3 1/2x3-SS	1/4FB3 1/2x3-316SS	1/4FB3 1/2x3-NP	19/32	11/16	29/32
.170	1/4FB4x3	1/4FB4x3-SS	1/4FB4x3-316SS	1/4FB4x3-NP	19/32	11/16	15/16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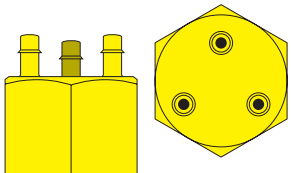
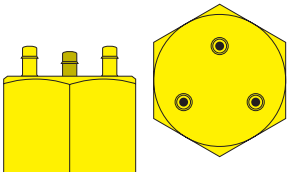
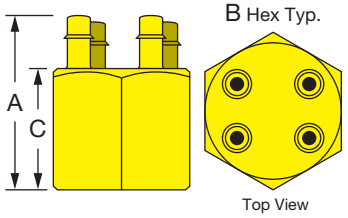

1/4FB2x3

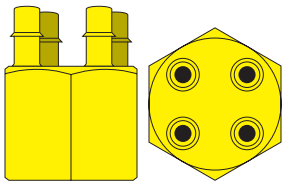

1/4FB.050x3

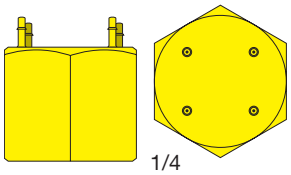
Customize Manifolds with alternate Branch locations! Use the template on page 324!

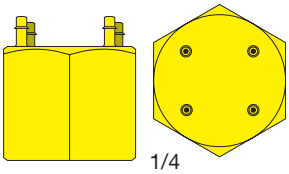
585 1/4 NPT Female Straight Manifolds with 4 Branches

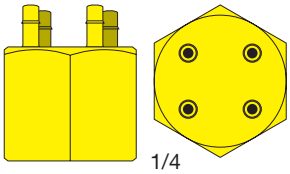
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/4FB.031x4	1/4FB.031x4-SS	1/4FB.031x4-316SS	1/4FB.031x4-NP	19/32	11/16	3/4
.040 / 1mm	1/4FB.040x4	1/4FB.040x4-SS	1/4FB.040x4-316SS	1/4FB.040x4-NP	19/32	11/16	3/4
3/64	1/4FB.045x4	1/4FB.045x4-SS	1/4FB.045x4-316SS	1/4FB.045x4-NP	19/32	11/16	3/4
.050	1/4FB.050x4	1/4FB.050x4-SS	1/4FB.050x4-316SS	1/4FB.050x4-NP	19/32	11/16	3/4
1/16	1/4FB1x4	1/4FB1x4-SS	1/4FB1x4-316SS	1/4FB1x4-NP	19/32	11/16	13/16
5/64 / 2mm	1/4FB2x4	1/4FB2x4-SS	1/4FB2x4-316SS	1/4FB2x4-NP	19/32	11/16	13/16
3/32	1/4FB2 1/2x4	1/4FB2 1/2x4-SS	1/4FB2 1/2x4-316SS	1/4FB2 1/2x4-NP	19/32	11/16	13/16
1/8	1/4FB3x4	1/4FB3x4-SS	1/4FB3x4-316SS	1/4FB3x4-NP	19/32	11/16	29/32

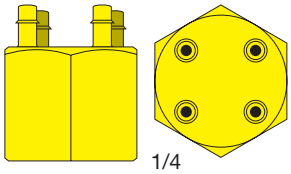



1/4FB3x4


1/4 FB.031x4

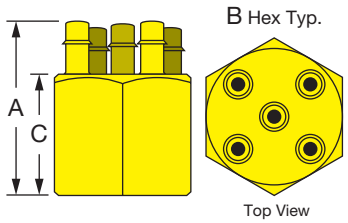

1/4 FB.040x4

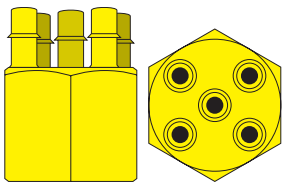

1/4 FB1x4

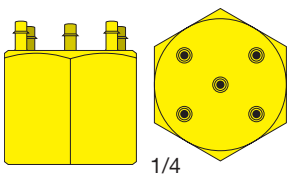

1/4 FB2x4

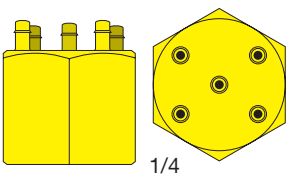
586 1/4 NPT Female Straight Manifolds with 5 Branches

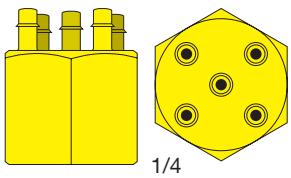
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/4FB.031x5	1/4FB.031x5-SS	1/4FB.031x5-316SS	1/4FB.031x5-NP	19/32	11/16	3/4
.040 / 1mm	1/4FB.040x5	1/4FB.040x5-SS	1/4FB.040x5-316SS	1/4FB.040x5-NP	19/32	11/16	3/4
3/64	1/4FB.045x5	1/4FB.045x5-SS	1/4FB.045x5-316SS	1/4FB.045x5-NP	19/32	11/16	3/4
.050	1/4FB.050x5	1/4FB.050x5-SS	1/4FB.050x5-316SS	1/4FB.050x5-NP	19/32	11/16	3/4
1/16	1/4FB1x5	1/4FB1x5-SS	1/4FB1x5-316SS	1/4FB1x5-NP	19/32	11/16	13/16
5/64 / 2mm	1/4FB2x5	1/4FB2x5-SS	1/4FB2x5-316SS	1/4FB2x5-NP	19/32	11/16	13/16
3/32	1/4FB2 1/2x5	1/4FB2 1/2x5-SS	1/4FB2 1/2x5-316SS	1/4FB2 1/2x5-NP	19/32	11/16	13/16
1/8	1/4FB3x5	1/4FB3x5-SS	1/4FB3x5-316SS	1/4FB3x5-NP	19/32	11/16	29/32

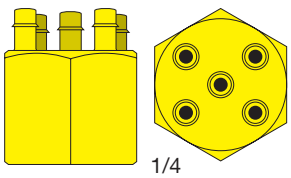



1/4FB3x5

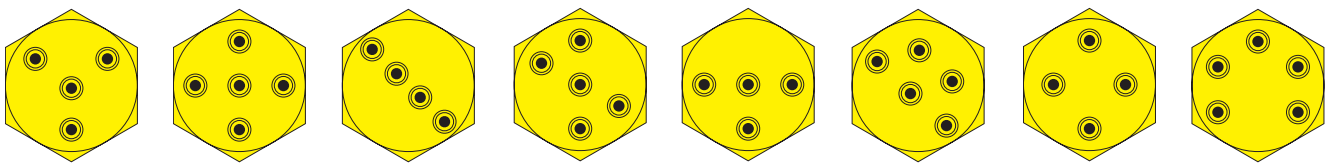

1/4 FB.045x5


1/4 FB.050x5

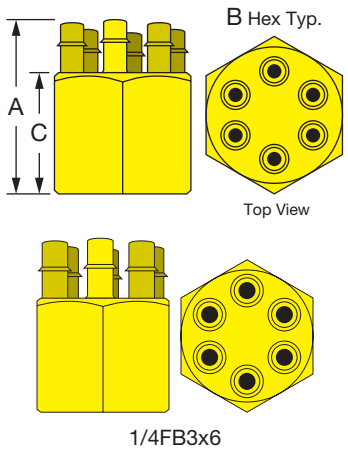

1/4 FB2x5


1/4 FB2 1/2x5

Customize Straight Manifolds with alternate Branch locations! Use the Template on page 324 to indicate Branch placement!



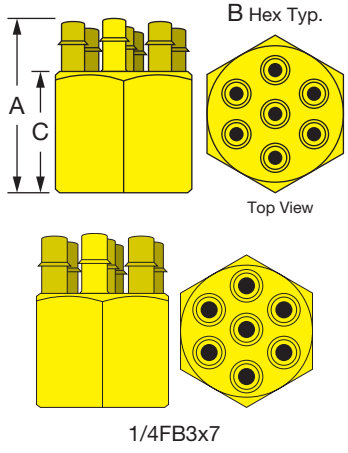
1/4 NPT Female Straight Manifolds with 6 Branches 587



1/4FB3x6

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/4FB.031x6	1/4FB.031x6-SS	1/4FB.031x6-316SS	1/4FB.031x6-NP	19/32	11/16	3/4
.040 / 1mm	1/4FB.040x6	1/4FB.040x6-SS	1/4FB.040x6-316SS	1/4FB.040x6-NP	19/32	11/16	3/4
3/64	1/4FB.045x6	1/4FB.045x6-SS	1/4FB.045x6-316SS	1/4FB.045x6-NP	19/32	11/16	3/4
.050	1/4FB.050x6	1/4FB.050x6-SS	1/4FB.050x6-316SS	1/4FB.050x6-NP	19/32	11/16	3/4
1/16	1/4FB1x6	1/4FB1x6-SS	1/4FB1x6-316SS	1/4FB1x6-NP	19/32	11/16	13/16
5/64 / 2mm	1/4FB2x6	1/4FB2x6-SS	1/4FB2x6-316SS	1/4FB2x6-NP	19/32	11/16	13/16
3/32	1/4FB2 1/2x6	1/4FB2 1/2x6-SS	1/4FB2 1/2x6-316SS	1/4FB2 1/2x6-NP	19/32	11/16	13/16
1/8	1/4FB3x6	1/4FB3x6-SS	1/4FB3x6-316SS	1/4FB3x6-NP	19/32	11/16	29/32

1/4 NPT Female Straight Manifolds with 7 Branches 588

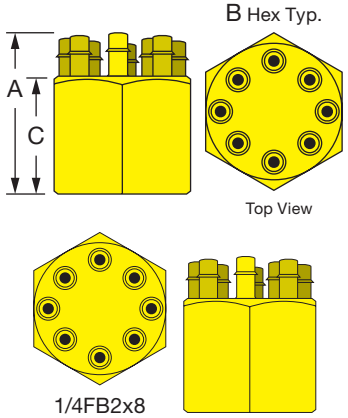


1/4FB3x7

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/4FB.031x7	1/4FB.031x7-SS	1/4FB.031x7-316SS	1/4FB.031x7-NP	19/32	11/16	3/4
.040 / 1mm	1/4FB.040x7	1/4FB.040x7-SS	1/4FB.040x7-316SS	1/4FB.040x7-NP	19/32	11/16	3/4
3/64	1/4FB.045x7	1/4FB.045x7-SS	1/4FB.045x7-316SS	1/4FB.045x7-NP	19/32	11/16	3/4
.050	1/4FB.050x7	1/4FB.050x7-SS	1/4FB.050x7-316SS	1/4FB.050x7-NP	19/32	11/16	3/4
1/16	1/4FB1x7	1/4FB1x7-SS	1/4FB1x7-316SS	1/4FB1x7-NP	19/32	11/16	13/16
5/64 / 2mm	1/4FB2x7	1/4FB2x7-SS	1/4FB2x7-316SS	1/4FB2x7-NP	19/32	11/16	13/16
3/32	1/4FB2 1/2x7	1/4FB2 1/2x7-SS	1/4FB2 1/2x7-316SS	1/4FB2 1/2x7-NP	19/32	11/16	13/16
1/8	1/4FB3x7	1/4FB3x7-SS	1/4FB3x7-316SS	1/4FB3x7-NP	19/32	11/16	29/32

W

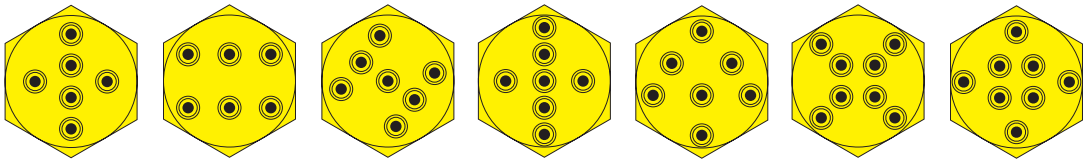
1/4 NPT Female Straight Manifolds with 8 Branches 589



1/4FB2x8

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/4FB.031x8	1/4FB.031x8-SS	1/4FB.031x8-316SS	1/4FB.031x8-NP	19/32	11/16	3/4
.040 / 1mm	1/4FB.040x8	1/4FB.040x8-SS	1/4FB.040x8-316SS	1/4FB.040x8-NP	19/32	11/16	3/4
3/64	1/4FB.045x8	1/4FB.045x8-SS	1/4FB.045x8-316SS	1/4FB.045x8-NP	19/32	11/16	3/4
.050	1/4FB.050x8	1/4FB.050x8-SS	1/4FB.050x8-316SS	1/4FB.050x8-NP	19/32	11/16	3/4
1/16	1/4FB1x8	1/4FB1x8-SS	1/4FB1x8-316SS	1/4FB1x8-NP	19/32	11/16	13/16
5/64 / 2mm	1/4FB2x8	1/4FB2x8-SS	1/4FB2x8-316SS	1/4FB2x8-NP	19/32	11/16	13/16
3/32	1/4FB2 1/2x8	1/4FB2 1/2x8-SS	1/4FB2 1/2x8-316SS	1/4FB2 1/2x8-NP	19/32	11/16	13/16

Customize your Straight Manifolds with alternate Branch locations! Use the Template on page 324 to indicate placement!

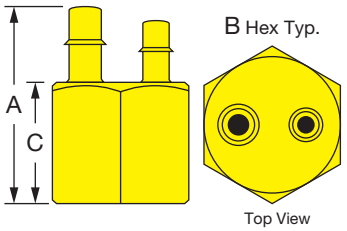


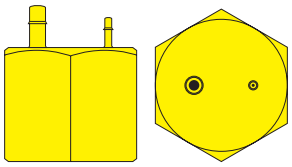
590 1/4 NPT Female Straight Reducing Manifolds with 2 Branches

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/32	.031	1/2	9/16	11/16
.040 / 1mm	.040	1/2	9/16	11/16
3/64	.045	1/2	9/16	11/16
.050	.050	1/2	9/16	11/16
1/16	1	1/2	9/16	23/32
5/64 / 2mm	2	1/2	9/16	23/32

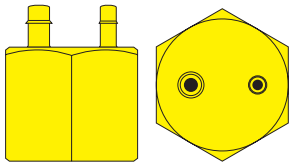
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
3/32	2 1/2	1/2	9/16	23/32
1/8	3	1/2	9/16	13/16
5/32 / 4mm	3 1/2	1/2	9/16	13/16
.170	4	1/2	9/16	27/32
3/16	5	1/2	9/16	7/8

Material options listed below!





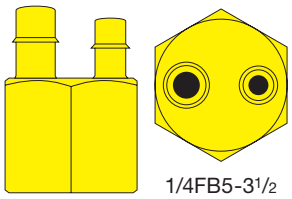
1/4FB1-.031



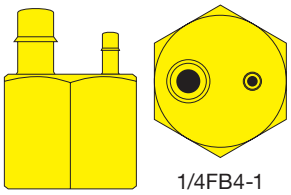
1/4FB2 1/2-1

Part Numbers for 1/4 NPT Female Thread Reducing Manifolds with 2 Branches:

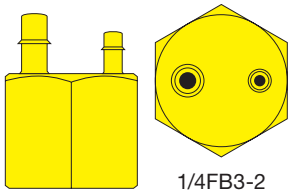
Thread Size → 1/4 (Fitting Series) FB # (Larger Branch #) - # (Smaller Branch #)



1/4FB5-3 1/2



1/4FB4-1



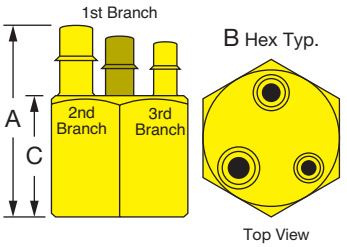
1/4FB3-2

Note: *Dimensions may vary at time of manufacturing & according to branches chosen.*

591 1/4 NPT Female Straight Reducing Manifolds with 3 Branches

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/32	.031	1/2	9/16	11/16
.040 / 1mm	.040	1/2	9/16	11/16
3/64	.045	1/2	9/16	11/16
.050	.050	1/2	9/16	11/16

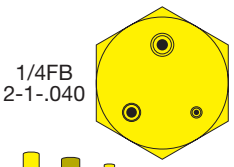
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/16	1	1/2	9/16	23/32
5/64 / 2mm	2	1/2	9/16	23/32
3/32	2 1/2	1/2	9/16	23/32
1/8	3	1/2	9/16	13/16



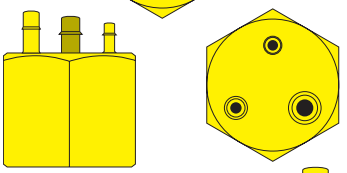
Part Numbers for 1/4 NPT Female Thread Reducing Manifolds with 3 Branches:

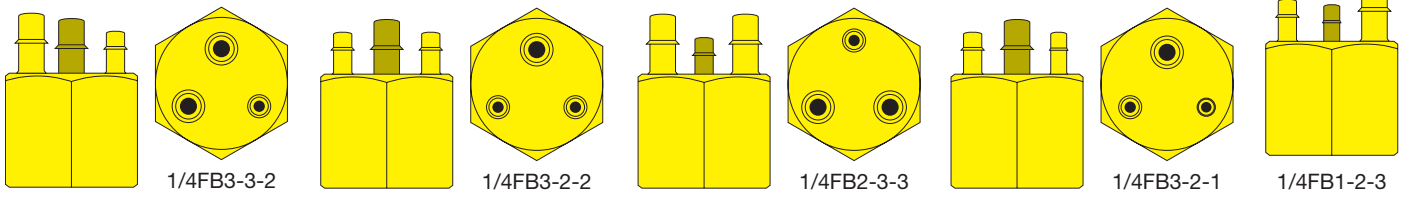
Thread Size → 1/4 (Fitting Series) FB # (1st Branch #) - # (2nd Branch #) - # (3rd Branch #)

Unless otherwise specified, parts will be Brass. To order other materials, use the following codes:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate



1/4FB 2-1-.040

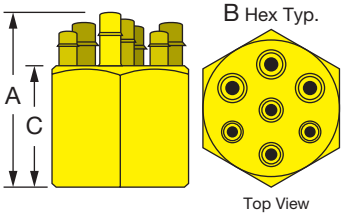




1/4FB3-3-2 | 1/4FB3-2-2 | 1/4FB2-3-3 | 1/4FB3-2-1 | 1/4FB1-2-3

Customize 1/4 NPT Female Thread Straight Reducing Manifolds with alternate Branch locations!! Use the Template on page 324 to indicate Branch sizes & placement! Consult factory for details!

1/4 NPT Female Straight Reducing Manifolds with 4, 5, 6, or 7 Branches 592

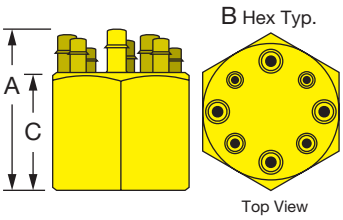


Use the template on below to show branch sizes & placement!

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/32	.031	1/2	9/16	11/16
.040 / 1mm	.040	1/2	9/16	11/16
3/64	.045	1/2	9/16	11/16
.050	.050	1/2	9/16	11/16

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/16	1	1/2	9/16	23/32
5/64 / 2mm	2	1/2	9/16	23/32
3/32	2 1/2	1/2	9/16	23/32
1/8	3	1/2	9/16	13/16

1/4 NPT Female Straight Reducing Manifolds with 8 Branches 593



Use the template on below to show branch sizes & placement!

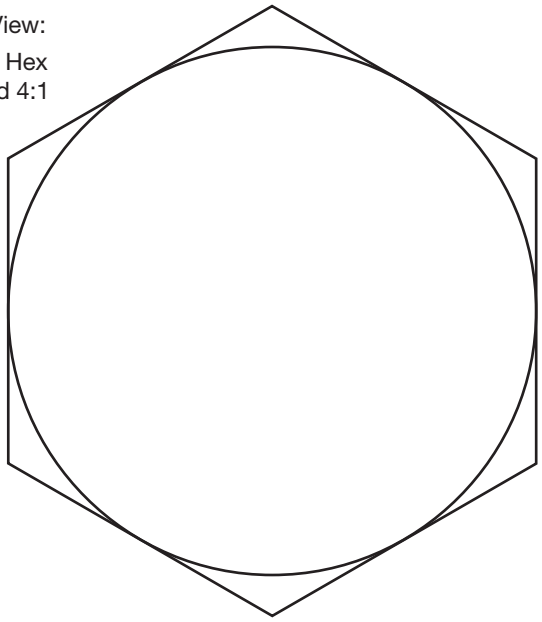
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/32	.031	1/2	9/16	11/16
.040 / 1mm	.040	1/2	9/16	11/16
3/64	.045	1/2	9/16	11/16
.050	.050	1/2	9/16	11/16

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/16	1	1/2	9/16	23/32
5/64 / 2mm	2	1/2	9/16	23/32
3/32	2 1/2	1/2	9/16	23/32

Material options listed on previous page!

1/4 NPT Female Thread Straight Manifold Template for Branch Sizes and Locations

Top View:
11/16 Hex
Scaled 4:1



To Use:

Indicate the desired location of each branch by writing the numbers 1 through 8 (1 = 1st Branch, etc.) on the hex diagram on the below. Mark the coordinating Branch Number (size) in the chart below. Reference tables above for Branch Numbers and Tube ID's. Upon receipt of this template, a part number* will be issued. Note: The number of branches that will fit on the manifold hex will vary depending on the branch sizes desired.

Consult factory for details!

Branch Numbers:

1st Branch (1) = _____ 5th Branch (5) = _____

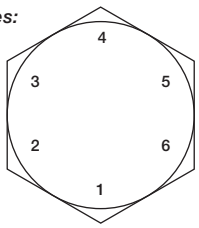
2nd Branch (2) = _____ 6th Branch (6) = _____

3rd Branch (3) = _____ 7th Branch (7) = _____

4th Branch (4) = _____ 8th Branch (8) = _____

*Part numbers will vary depending on branch configuration.

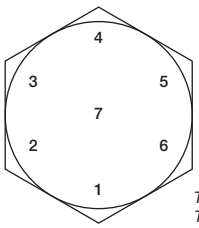
Examples:



Branch Numbers:

1st Branch (1) = 3 5th Branch (5) = 1
2nd Branch (2) = 3 6th Branch (6) = 1
3rd Branch (3) = 3 7th Branch (7) = n/a
4th Branch (4) = 2 8th Branch (8) = n/a

Three #3 Branches (1st, 2nd, 3rd)
One #1 Branches (4th) *Two* #1 Branches (5th, 6th)



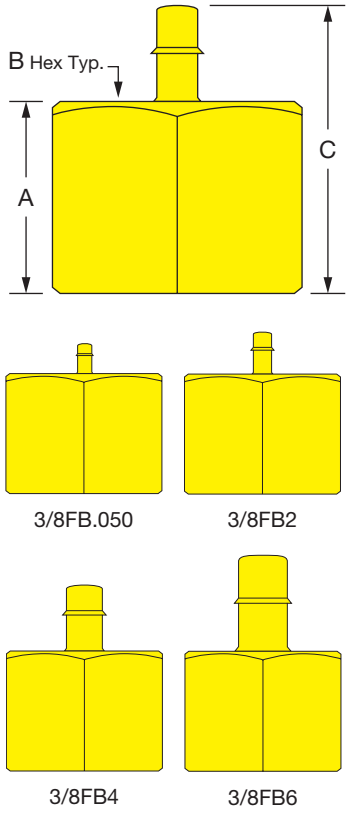
Branch Numbers:

1st Branch (1) = 2 5th Branch (5) = 1
2nd Branch (2) = 2 6th Branch (6) = .050
3rd Branch (3) = 1 7th Branch (7) = 2 1/2
4th Branch (4) = .050 8th Branch (8) = n/a

Two #2 Branches (1st, 2nd) *Two* #1 Branches (3rd, 5th)
Two #.050 Branches (4th, 6th) *One* #2 1/2 Branches (7th)

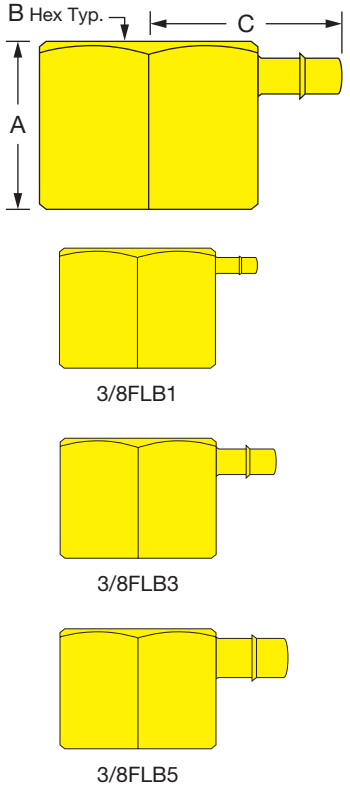
594 — 3/8 NPT Female Thread to Tube

Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	3/8FB.031	3/8FB.031-SS	3/8FB.031-316SS	N/A	3/8FB.031-NP	5/8	13/16	25/32
.040 / 1mm	3/8FB.040	3/8FB.040-SS	3/8FB.040-316SS	N/A	3/8FB.040-NP	5/8	13/16	25/32
3/64	3/8FB.045	3/8FB.045-SS	3/8FB.045-316SS	N/A	3/8FB.045-NP	5/8	13/16	25/32
.050	3/8FB.050	3/8FB.050-SS	3/8FB.050-316SS	N/A	3/8FB.050-NP	5/8	13/16	25/32
1/16	3/8FB1	3/8FB1-SS	3/8FB1-316SS	3/8FB1-AL	3/8FB1-NP	5/8	13/16	27/32
5/64 / 2mm	3/8FB2	3/8FB2-SS	3/8FB2-316SS	3/8FB2-AL	3/8FB2-NP	5/8	13/16	27/32
3/32	3/8FB2 1/2	3/8FB2 1/2-SS	3/8FB2 1/2-316SS	3/8FB2 1/2-AL	3/8FB2 1/2-NP	5/8	13/16	27/32
1/8	3/8FB3	3/8FB3-SS	3/8FB3-316SS	3/8FB3-AL	3/8FB3-NP	5/8	13/16	15/16
5/32 / 4mm	3/8FB3 1/2	3/8FB3 1/2-SS	3/8FB3 1/2-316SS	3/8FB3 1/2-AL	3/8FB3 1/2-NP	5/8	13/16	15/16
.170	3/8FB4	3/8FB4-SS	3/8FB4-316SS	3/8FB4-AL	3/8FB4-NP	5/8	13/16	31/32
3/16	3/8FB5	3/8FB5-SS	3/8FB5-316SS	3/8FB5-AL	3/8FB5-NP	5/8	13/16	1
7/32	3/8FB5 1/2	3/8FB5 1/2-SS	3/8FB5 1/2-316SS	3/8FB5 1/2-AL	3/8FB5 1/2-NP	5/8	13/16	1
6mm	3/8FB5 3/4	3/8FB5 3/4-SS	3/8FB5 3/4-316SS	3/8FB5 3/4-AL	3/8FB5 3/4-NP	5/8	13/16	1 1/8
1/4	3/8FB6	3/8FB6-SS	3/8FB6-316SS	3/8FB6-AL	3/8FB6-NP	5/8	13/16	1 1/8
5/16 / 8mm	3/8FB7	3/8FB7-SS	3/8FB7-316SS	3/8FB7-AL	3/8FB7-NP	5/8	13/16	1 1/4
3/8	3/8FB8	3/8FB8-SS	3/8FB8-316SS	3/8FB8-AL	3/8FB8-NP	5/8	13/16	1 5/32
1/2	3/8FB10	3/8FB10-SS	3/8FB10-316SS	3/8FB10-AL	3/8FB10-NP	5/8	13/16	1 3/8



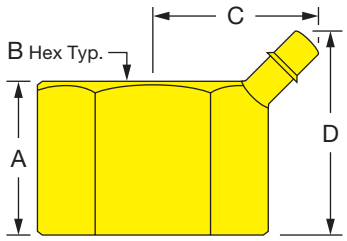
595 — 3/8 NPT Female Thread to Tube Elbows

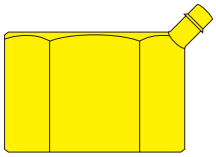
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	3/8FLB.031	3/8FLB.031-SS	3/8FLB.031-316SS	3/8FLB.031-NP	5/8	13/16	9/16
.040 / 1mm	3/8FLB.040	3/8FLB.040-SS	3/8FLB.040-316SS	3/8FLB.040-NP	5/8	13/16	9/16
3/64	3/8FLB.045	3/8FLB.045-SS	3/8FLB.045-316SS	3/8FLB.045-NP	5/8	13/16	9/16
.050	3/8FLB.050	3/8FLB.050-SS	3/8FLB.050-316SS	3/8FLB.050-NP	5/8	13/16	9/16
1/16	3/8FLB1	3/8FLB1-SS	3/8FLB1-316SS	3/8FLB1-NP	5/8	13/16	5/8
5/64 / 2mm	3/8FLB2	3/8FLB2-SS	3/8FLB2-316SS	3/8FLB2-NP	5/8	13/16	5/8
3/32	3/8FLB2 1/2	3/8FLB2 1/2-SS	3/8FLB2 1/2-316SS	3/8FLB2 1/2-NP	5/8	13/16	5/8
1/8	3/8FLB3	3/8FLB3-SS	3/8FLB3-316SS	3/8FLB3-NP	5/8	13/16	23/32
5/32 / 4mm	3/8FLB3 1/2	3/8FLB3 1/2-SS	3/8FLB3 1/2-316SS	3/8FLB3 1/2-NP	5/8	13/16	23/32
.170	3/8FLB4	3/8FLB4-SS	3/8FLB4-316SS	3/8FLB4-NP	5/8	13/16	3/4
3/16	3/8FLB5	3/8FLB5-SS	3/8FLB5-316SS	3/8FLB5-NP	5/8	13/16	25/32
7/32	3/8FLB5 1/2	3/8FLB5 1/2-SS	3/8FLB5 1/2-316SS	3/8FLB5 1/2-NP	5/8	13/16	25/32
6mm	3/8FLB5 3/4	3/8FLB5 3/4-SS	3/8FLB5 3/4-316SS	3/8FLB5 3/4-NP	5/8	13/16	29/32
3/8	3/8FLB6	3/8FLB6-SS	3/8FLB6-316SS	3/8FLB6-NP	5/8	13/16	29/32
5/16 / 8mm	3/8FLB7	3/8FLB7-SS	3/8FLB7-316SS	3/8FLB7-NP	15/16	13/16	1 1/32
3/8	3/8FLB8	3/8FLB8-SS	3/8FLB8-316SS	3/8FLB8-NP	15/16	13/16	15/16
1/2	3/8FLB10	3/8FLB10-SS	3/8FLB10-316SS	3/8FLB10-NP	15/16	13/16	1 5/32

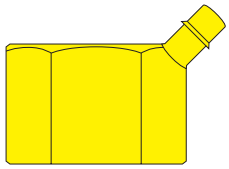


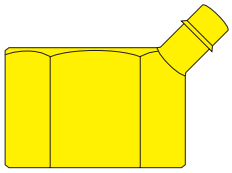
Note: *Images are for visual representation only; not intended for dimensional measurements.*

3/8 NPT Female Thread to Tube 45° Elbows 596

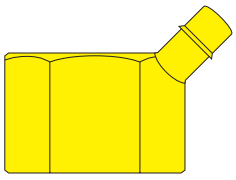


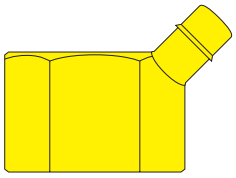

3/8FLB2½-45°

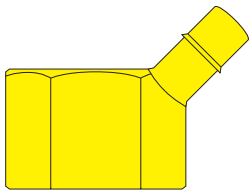

3/8FLB3½-45°

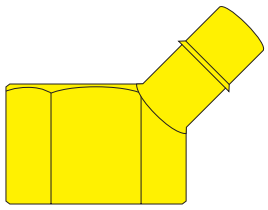

3/8FLB4-45°

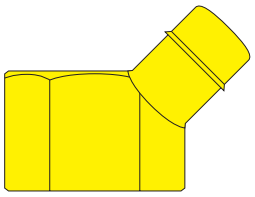
Tube ID	Part Numbers				Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/32	3/8FLB.031-45°	3/8FLB.031-45°-SS	3/8FLB.031-45°-316SS	3/8FLB.031-45°-NP	5/8	13/16	Consult Factory	Consult Factory
.040 / 1mm	3/8FLB.040-45°	3/8FLB.040-45°-SS	3/8FLB.040-45°-316SS	3/8FLB.040-45°-NP	5/8	13/16	Consult Factory	Consult Factory
3/64	3/8FLB.045-45°	3/8FLB.045-45°-SS	3/8FLB.045-45°-316SS	3/8FLB.045-45°-NP	5/8	13/16	Consult Factory	Consult Factory
.050	3/8FLB.050-45°	3/8FLB.050-45°-SS	3/8FLB.050-45°-316SS	3/8FLB.050-45°-NP	5/8	13/16	Consult Factory	Consult Factory
1/16	3/8FLB1-45°	3/8FLB1-45°-SS	3/8FLB1-45°-316SS	3/8FLB1-45°-NP	5/8	13/16	Consult Factory	Consult Factory
5/64 / 2mm	3/8FLB2-45°	3/8FLB2-45°-SS	3/8FLB2-45°-316SS	3/8FLB2-45°-NP	5/8	13/16	Consult Factory	Consult Factory
3/32	3/8FLB2½-45°	3/8FLB2½-45°-SS	3/8FLB2½-45°-316SS	3/8FLB2½-45°-NP	5/8	13/16	Consult Factory	Consult Factory
1/8	3/8FLB3-45°	3/8FLB3-45°-SS	3/8FLB3-45°-316SS	3/8FLB3-45°-NP	5/8	13/16	Consult Factory	Consult Factory
5/32 / 4mm	3/8FLB3½-45°	3/8FLB3½-45°-SS	3/8FLB3½-45°-316SS	3/8FLB3½-45°-NP	5/8	13/16	Consult Factory	Consult Factory
.170	3/8FLB4-45°	3/8FLB4-45°-SS	3/8FLB4-45°-316SS	3/8FLB4-45°-NP	5/8	13/16	Consult Factory	Consult Factory
3/16	3/8FLB5-45°	3/8FLB5-45°-SS	3/8FLB5-45°-316SS	3/8FLB5-45°-NP	5/8	13/16	Consult Factory	Consult Factory
7/32	3/8FLB5½-45°	3/8FLB5½-45°-SS	3/8FLB5½-45°-316SS	3/8FLB5½-45°-NP	5/8	13/16	Consult Factory	Consult Factory
6mm	3/8FLB5¾-45°	3/8FLB5¾-45°-SS	3/8FLB5¾-45°-316SS	3/8FLB5¾-45°-NP	5/8	13/16	Consult Factory	Consult Factory
1/4	3/8FLB6-45°	3/8FLB6-45°-SS	3/8FLB6-45°-316SS	3/8FLB6-45°-NP	5/8	13/16	Consult Factory	Consult Factory
5/16 / 8mm	3/8FLB7-45°	3/8FLB7-45°-SS	3/8FLB7-45°-316SS	3/8FLB7-45°-NP	15/16	13/16	Consult Factory	Consult Factory
3/8	3/8FLB8-45°	3/8FLB8-45°-SS	3/8FLB8-45°-316SS	3/8FLB8-45°-NP	15/16	13/16	Consult Factory	Consult Factory
1/2	3/8FLB10-45°	3/8FLB10-45°-SS	3/8FLB10-45°-316SS	3/8FLB10-45°-NP	15/16	13/16	Consult Factory	Consult Factory


3/8FLB5-45°


3/8FLB5½-45°

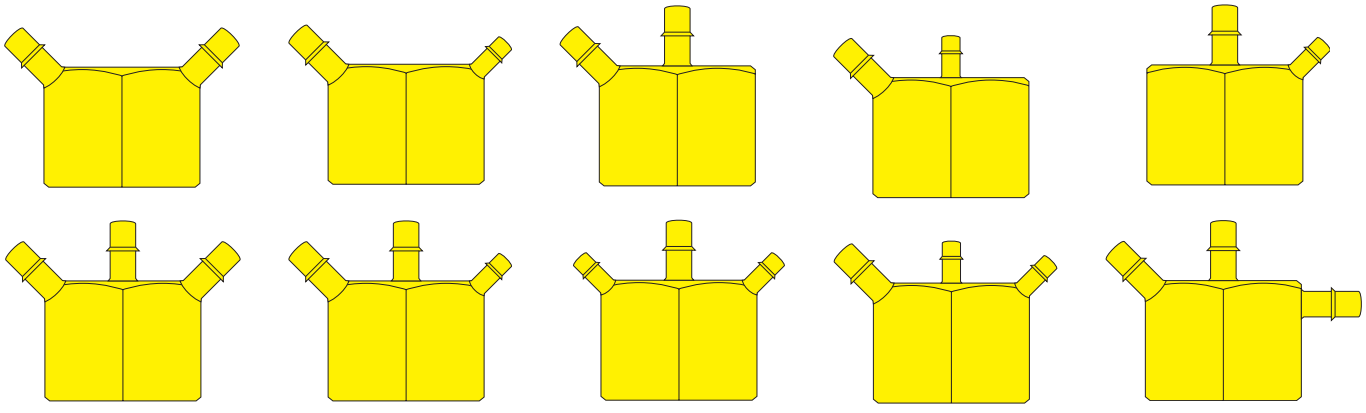

3/8FLB5¾-45°


3/8FLB7-45°


3/8FLB8-45°

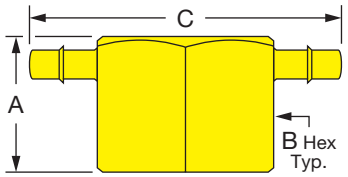
Note: For systems that do not allow the degree symbol (°) to be used, it can be substituted with 'DEG' in the part number.

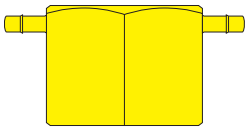
3/8 NPT Female Thread to Tube custom fittings available! Lead times & minimum quantities apply! Consult factory for details!



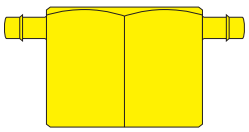
597 3/8 NPT Female Thread to Tube Tees

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	3/8FT.031	3/8FT.031-SS	3/8FT.031-316SS	3/8FT.031-NP	5/8	13/16	1 1/8
.040 / 1mm	3/8FT.040	3/8FT.040-SS	3/8FT.040-316SS	3/8FT.040-NP	5/8	13/16	1 1/8
3/64	3/8FT.045	3/8FT.045-SS	3/8FT.045-316SS	3/8FT.045-NP	5/8	13/16	1 1/8
.050	3/8FT.050	3/8FT.050-SS	3/8FT.050-316SS	3/8FT.050-NP	5/8	13/16	1 1/8
1/16	3/8FT1	3/8FT1-SS	3/8FT1-316SS	3/8FT1-NP	5/8	13/16	1 1/4
5/64 / 2mm	3/8FT2	3/8FT2-SS	3/8FT2-316SS	3/8FT2-NP	5/8	13/16	1 1/4
3/32	3/8FT2 1/2	3/8FT2 1/2-SS	3/8FT2 1/2-316SS	3/8FT2 1/2-NP	5/8	13/16	1 1/4
1/8	3/8FT3	3/8FT3-SS	3/8FT3-316SS	3/8FT3-NP	5/8	13/16	1 7/16
5/32 / 4mm	3/8FT3 1/2	3/8FT3 1/2-SS	3/8FT3 1/2-316SS	3/8FT3 1/2-NP	5/8	13/16	1 7/16
.170	3/8FT4	3/8FT4-SS	3/8FT4-316SS	3/8FT4-NP	5/8	13/16	1 1/2
3/16	3/8FT5	3/8FT5-SS	3/8FT5-316SS	3/8FT5-NP	5/8	13/16	1 9/16
7/32	3/8FT5 1/2	3/8FT5 1/2-SS	3/8FT5 1/2-316SS	3/8FT5 1/2-NP	5/8	13/16	1 9/16
6mm	3/8FT5 3/4	3/8FT5 3/4-SS	3/8FT5 3/4-316SS	3/8FT5 3/4-NP	5/8	13/16	1 13/16
1/4	3/8FT6	3/8FT6-SS	3/8FT6-316SS	3/8FT6-NP	5/8	13/16	1 13/16
5/16 / 8mm	3/8FT7	3/8FT7-SS	3/8FT7-316SS	3/8FT7-NP	15/16	13/16	2 1/16
3/8	3/8FT8	3/8FT8-SS	3/8FT8-316SS	3/8FT8-NP	15/16	13/16	1 7/8
1/2	3/8FT10	3/8FT10-SS	3/8FT10-316SS	3/8FT10-NP	15/16	13/16	2 5/16

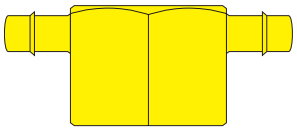




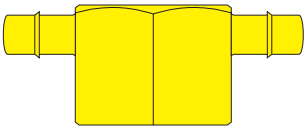
3/8FT1



3/8FT2 1/2



3/8FT4



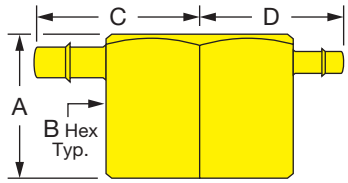
3/8FT5

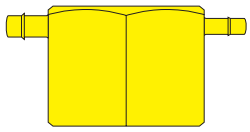
598 3/8 NPT Female Thread to Tube Reducing Tees

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	5/8	13/16	9/16	9/16
.040 / 1mm	.040	5/8	13/16	9/16	9/16
3/64	.045	5/8	13/16	9/16	9/16
.050	.050	5/8	13/16	9/16	9/16
1/16	1	5/8	13/16	5/8	5/8
5/64 / 2mm	2	5/8	13/16	5/8	5/8
3/32	2 1/2	5/8	13/16	5/8	5/8
1/8	3	5/8	13/16	23/32	23/32
5/32 / 4mm	3 1/2	5/8	13/16	23/32	23/32

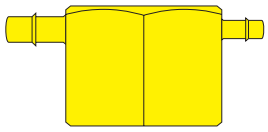
Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
.170	4	5/8	13/16	3/4	3/4
3/16	5	5/8	13/16	25/32	25/32
7/32	5 1/2	5/8	13/16	25/32	25/32
6mm	5 3/4	5/8	13/16	29/32	29/32
1/4	6	5/8	13/16	29/32	29/32
5/16 / 8mm	7	15/16	13/16	1 1/32	1 1/32
3/8	8	15/16	13/16	15/16	15/16
1/2	10	15/16	13/16	1 5/32	1 5/32

Note: *Dimensions may vary at time of manufacturing and according to branch options/sizes chosen.*

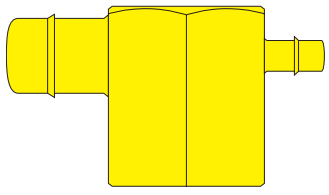




3/8FRT2 1/2-1



3/8FRT3-2



3/8FRT8-3 1/2

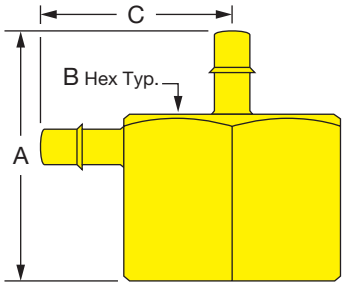
Part Numbers for 3/8 NPT Female Thread to Tube Reducing L-Tees:

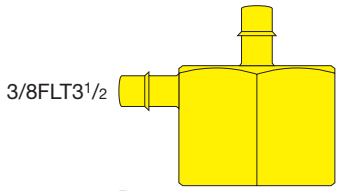
Thread Size → **3/8** **FRT** **#** - **#** ← Smaller Branch #

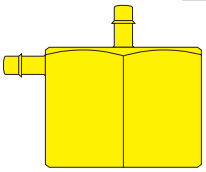
Fitting Series ↑ ↑ Larger Branch #

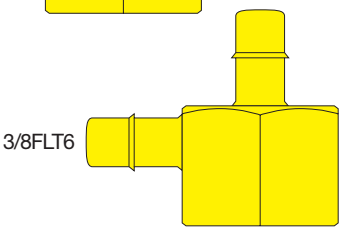
Unless otherwise specified, parts will be Brass. To order other materials, use the following codes:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

3/8 NPT Female Thread to Tube L-Tees 599



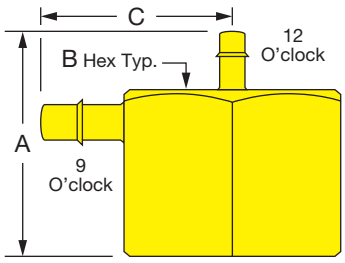






Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	3/8FLT.031	3/8FLT.031-SS	3/8FLT.031-316SS	3/8FLT.031-NP	25/32	13/16	9/16
.040 / 1mm	3/8FLT.040	3/8FLT.040-SS	3/8FLT.040-316SS	3/8FLT.040-NP	25/32	13/16	9/16
3/64	3/8FLT.045	3/8FLT.045-SS	3/8FLT.045-316SS	3/8FLT.045-NP	25/32	13/16	9/16
.050	3/8FLT.050	3/8FLT.050-SS	3/8FLT.050-316SS	3/8FLT.050-NP	25/32	13/16	9/16
1/16	3/8FLT1	3/8FLT1-SS	3/8FLT1-316SS	3/8FLT1-NP	27/32	13/16	5/8
5/64 / 2mm	3/8FLT2	3/8FLT2-SS	3/8FLT2-316SS	3/8FLT2-NP	27/32	13/16	5/8
3/32	3/8FLT2 1/2	3/8FLT2 1/2-SS	3/8FLT2 1/2-316SS	3/8FLT2 1/2-NP	27/32	13/16	5/8
1/8	3/8FLT3	3/8FLT3-SS	3/8FLT3-316SS	3/8FLT3-NP	15/16	13/16	23/32
5/32 / 4mm	3/8FLT3 1/2	3/8FLT3 1/2-SS	3/8FLT3 1/2-316SS	3/8FLT3 1/2-NP	15/16	13/16	23/32
.170	3/8FLT4	3/8FLT4-SS	3/8FLT4-316SS	3/8FLT4-NP	31/32	13/16	3/4
3/16	3/8FLT5	3/8FLT5-SS	3/8FLT5-316SS	3/8FLT5-NP	1	13/16	25/32
7/32	3/8FLT5 1/2	3/8FLT5 1/2-SS	3/8FLT5 1/2-316SS	3/8FLT5 1/2-NP	1	13/16	25/32
6mm	3/8FLT5 3/4	3/8FLT5 3/4-SS	3/8FLT5 3/4-316SS	3/8FLT5 3/4-NP	1 1/8	13/16	29/32
1/4	3/8FLT6	3/8FLT6-SS	3/8FLT6-316SS	3/8FLT6-NP	1 1/8	13/16	29/32
5/16 / 8mm	3/8FLT7	3/8FLT7-SS	3/8FLT7-316SS	3/8FLT7-NP	1 9/16	13/16	1 1/32
3/8	3/8FLT8	3/8FLT8-SS	3/8FLT8-316SS	3/8FLT8-NP	1 15/32	13/16	15/16
1/2	3/8FLT10	3/8FLT10-SS	3/8FLT10-316SS	3/8FLT10-NP	1 11/16	13/16	1 5/32

3/8 NPT Female Thread to Tube Reducing L-Tees 600

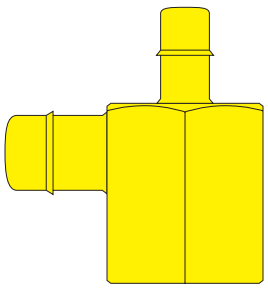


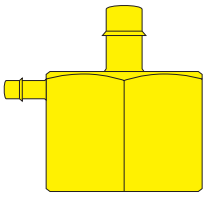
Branches		Dimensions (Reference)		
Tube ID	Branch #	A Ref.	B Typ.	C Ref.
1/32	.031	25/32	13/16	9/16
.040 / 1mm	.040	25/32	13/16	9/16
3/64	.045	25/32	13/16	9/16
.050	.050	25/32	13/16	9/16
1/16	1	27/32	13/16	5/8
5/64 / 2mm	2	27/32	13/16	5/8

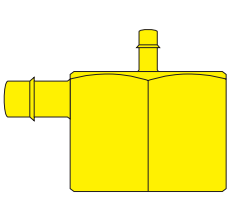
Branches		Dimensions (Reference)		
Tube ID	Branch #	A Ref.	B Typ.	C Ref.
3/32	2 1/2	27/32	13/16	5/8
1/8	3	15/16	13/16	23/32
5/32 / 4mm	3 1/2	15/16	13/16	23/32
.170	4	31/32	13/16	3/4
3/16	5	1	13/16	25/32
7/32	5 1/2	1	13/16	25/32

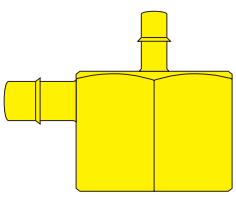
Branches		Dimensions (Reference)		
Tube ID	Branch #	A Ref.	B Typ.	C Ref.
6mm	5 3/4	1 1/8	13/16	29/32
1/4	6	1 1/8	13/16	29/32
5/16 / 8mm	7	1 9/16	13/16	1 1/32
3/8	8	1 15/32	13/16	15/16
1/2	10	1 11/16	13/16	1 5/32

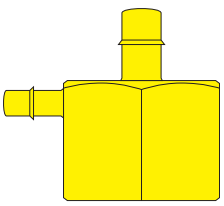
Dimensions may vary during manufacturing and according to branch options chosen.


3/8FRLT8-6


3/8FRLT2-4


3/8FRLT4-2


3/8FRLT5-3


3/8FRLT3-5

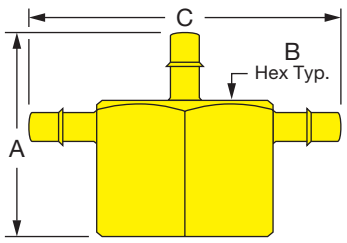
Unless otherwise specified, parts will be Brass. For other materials, add the following codes to the part number:
-SS = Stainless Steel 303
-316SS = Stainless Steel 316
-NP = Electroless Nickel Plate

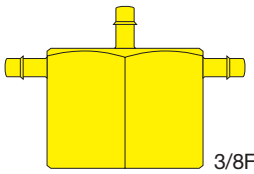
Part Numbers for 3/8 NPT Female Thread to Tube Reducing L-Tees:

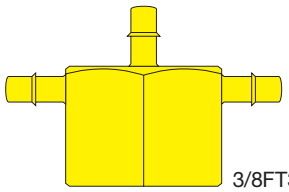
Thread Size → 3/8 FRLT (Fitting Series) # - # ← 12 O'clock Branch #
(# ← 9 O'clock Branch #)

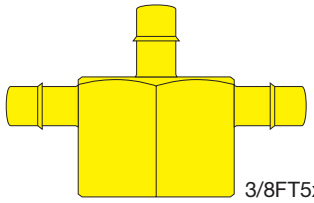
601 — 3/8 NPT Female Thread to Tube Tees x 3

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	3/8FT.031x3	3/8FT.031x3-SS	3/8FT.031x3-316SS	3/8FT.031x3-NP	25/32	13/16	1 1/8
.040 / 1mm	3/8FT.040x3	3/8FT.040x3-SS	3/8FT.040x3-316SS	3/8FT.040x3-NP	25/32	13/16	1 1/8
3/64	3/8FT.045x3	3/8FT.045x3-SS	3/8FT.045x3-316SS	3/8FT.045x3-NP	25/32	13/16	1 1/8
.050	3/8FT.050x3	3/8FT.050x3-SS	3/8FT.050x3-316SS	3/8FT.050x3-NP	25/32	13/16	1 1/8
1/16	3/8FT1x3	3/8FT1x3-SS	3/8FT1x3-316SS	3/8FT1x3-NP	27/32	13/16	1 1/4
5/64 / 2mm	3/8FT2x3	3/8FT2x3-SS	3/8FT2x3-316SS	3/8FT2x3-NP	27/32	13/16	1 1/4
3/32	3/8FT2 1/2x3	3/8FT2 1/2x3-SS	3/8FT2 1/2x3-316SS	3/8FT2 1/2x3-NP	27/32	13/16	1 1/4
1/8	3/8FT3x3	3/8FT3x3-SS	3/8FT3x3-316SS	3/8FT3x3-NP	15/16	13/16	1 7/16
5/32 / 4mm	3/8FT3 1/2x3	3/8FT3 1/2x3-SS	3/8FT3 1/2x3-316SS	3/8FT3 1/2x3-NP	15/16	13/16	1 7/16
.170	3/8FT4x3	3/8FT4x3-SS	3/8FT4x3-316SS	3/8FT4x3-NP	31/32	13/16	1 1/2
3/16	3/8FT5x3	3/8FT5x3-SS	3/8FT5x3-316SS	3/8FT5x3-NP	1	13/16	1 9/16
7/32	3/8FT5 1/2x3	3/8FT5 1/2x3-SS	3/8FT5 1/2x3-316SS	3/8FT5 1/2x3-NP	1	13/16	1 9/16
6mm	3/8FT5 3/4x3	3/8FT5 3/4x3-SS	3/8FT5 3/4x3-316SS	3/8FT5 3/4x3-NP	1 1/8	13/16	1 13/16
1/4	3/8FT6x3	3/8FT6x3-SS	3/8FT6x3-316SS	3/8FT6x3-NP	1 1/8	13/16	1 13/16
5/16 / 8mm	3/8FT7x3	3/8FT7x3-SS	3/8FT7x3-316SS	3/8FT7x3-NP	1 9/16	13/16	2 1/16
3/8	3/8FT8x3	3/8FT8x3-SS	3/8FT8x3-316SS	3/8FT8x3-NP	1 15/32	13/16	1 7/8
1/2	3/8FT10x3	3/8FT10x3-SS	3/8FT10x3-316SS	3/8FT10x3-NP	1 11/16	13/16	2 5/16




3/8FT2x3


3/8FT3x3


3/8FT5x3

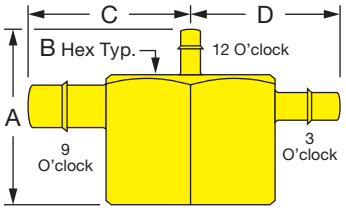
602 — 3/8 NPT Female Thread to Tube Custom Reducing Tees x 3

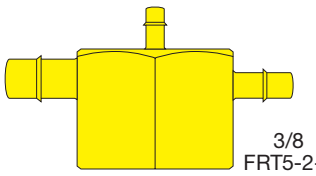
Branches		Dimensions (Reference)			
Tube ID	Branch #	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	25/32	13/16	9/16	9/16
.040 / 1mm	.040	25/32	13/16	9/16	9/16
3/64	.045	25/32	13/16	9/16	9/16
.050	.050	25/32	13/16	9/16	9/16
1/16	1	27/32	13/16	5/8	5/8
5/64 / 2mm	2	27/32	13/16	5/8	5/8

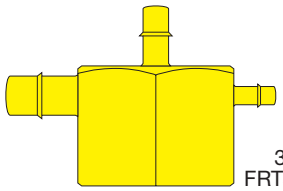
Branches		Dimensions (Reference)			
Tube ID	Branch #	A Ref.	B Typ.	C Ref.	D Ref.
3/32	2 1/2	27/32	13/16	5/8	5/8
1/8	3	15/16	13/16	23/32	23/32
5/32 / 4mm	3 1/2	15/16	13/16	23/32	23/32
.170	4	31/32	13/16	3/4	3/4
3/16	5	1	13/16	25/32	25/32
7/32	5 1/2	1	13/16	25/32	25/32

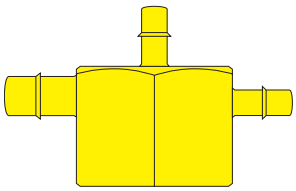
Branches		Dimensions (Reference)			
Tube ID	Branch #	A Ref.	B Typ.	C Ref.	D Ref.
6mm	5 3/4	1 1/8	13/16	29/32	29/32
1/4	6	1 1/8	13/16	29/32	29/32
5/16 / 8mm	7	1 9/16	13/16	1 1/32	1 1/32
3/8	8	1 15/32	13/16	15/16	15/16
1/2	10	1 11/16	13/16	1 5/32	1 5/32

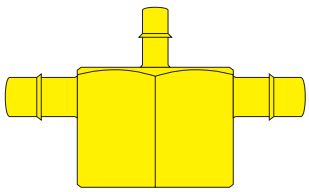
Dimensions may vary during manufacturing and according to branch options chosen.

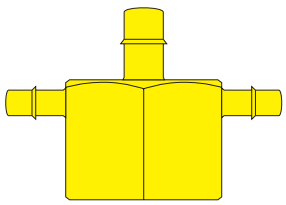



3/8 FRT5-2-3


3/8 FRT5-2-2


3/8FRT5-3-3


3/8FRT5-3-5

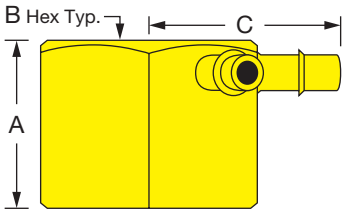

3/8FRT3-5-3

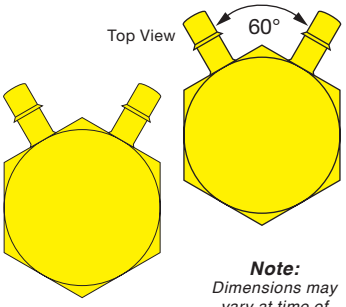
Part Numbers for 3/8 NPT Female Thread to Tube Reducing Tees x 3:

Thread Size → 3/8 — FRT (Fitting Series) — # (9 O'clock Branch #) - # (12 O'clock Branch #) - # (3 O'clock Branch #)

Unless otherwise specified, parts will be Brass. For other materials, add the following codes to the part number:
-SS = Stainless Steel 303
-316SS = Stainless Steel 316
-NP = Electroless Nickel Plate

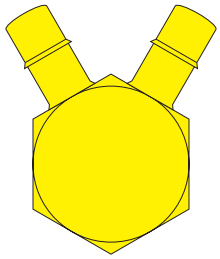
3/8 NPT Female Thread to Tube V-Tees 603





3/8FVT3

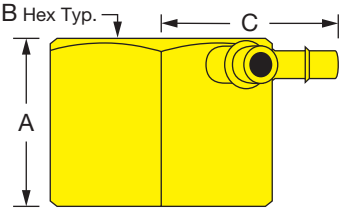
Note: *Dimensions may vary at time of manufacturing.*

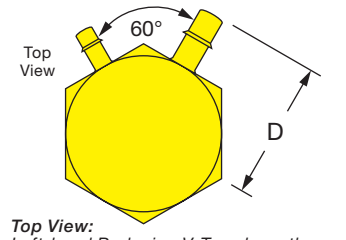


3/8FVT5 3/4

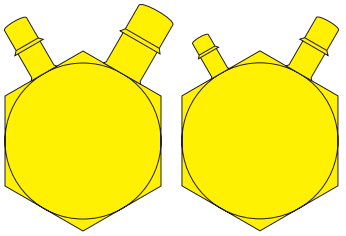
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	3/8FVT.031	3/8FVT.031-SS	3/8FVT.031-316SS	3/8FVT.031-NP	5/8	13/16	9/16
.040 / 1mm	3/8FVT.040	3/8FVT.040-SS	3/8FVT.040-316SS	3/8FVT.040-NP	5/8	13/16	9/16
3/64	3/8FVT.045	3/8FVT.045-SS	3/8FVT.045-316SS	3/8FVT.045-NP	5/8	13/16	9/16
.050	3/8FVT.050	3/8FVT.050-SS	3/8FVT.050-316SS	3/8FVT.050-NP	5/8	13/16	9/16
1/16	3/8FVT1	3/8FVT1-SS	3/8FVT1-316SS	3/8FVT1-NP	5/8	13/16	5/8
5/64 / 2mm	3/8FVT2	3/8FVT2-SS	3/8FVT2-316SS	3/8FVT2-NP	5/8	13/16	5/8
3/32	3/8FVT2 1/2	3/8FVT2 1/2-SS	3/8FVT2 1/2-316SS	3/8FVT2 1/2-NP	5/8	13/16	5/8
1/8	3/8FVT3	3/8FVT3-SS	3/8FVT3-316SS	3/8FVT3-NP	5/8	13/16	23/32
5/32 / 4mm	3/8FVT3 1/2	3/8FVT3 1/2-SS	3/8FVT3 1/2-316SS	3/8FVT3 1/2-NP	5/8	13/16	23/32
.170	3/8FVT4	3/8FVT4-SS	3/8FVT4-316SS	3/8FVT4-NP	5/8	13/16	3/4
3/16	3/8FVT5	3/8FVT5-SS	3/8FVT5-316SS	3/8FVT5-NP	5/8	13/16	25/32
7/32	3/8FVT5 1/2	3/8FVT5 1/2-SS	3/8FVT5 1/2-316SS	3/8FVT5 1/2-NP	5/8	13/16	25/32
6mm	3/8FVT5 3/4	3/8FVT5 3/4-SS	3/8FVT5 3/4-316SS	3/8FVT5 3/4-NP	5/8	13/16	29/32
1/4	3/8FVT6	3/8FVT6-SS	3/8FVT6-316SS	3/8FVT6-NP	5/8	13/16	29/32
5/16 / 8mm	3/8FVT7	3/8FVT7-SS	3/8FVT7-316SS	3/8FVT7-NP	15/16	13/16	1 1/32
3/8	3/8FVT8	3/8FVT8-SS	3/8FVT8-316SS	3/8FVT8-NP	15/16	13/16	15/16
1/2	3/8FVT10	3/8FVT10-SS	3/8FVT10-316SS	3/8FVT10-NP	15/16	13/16	1 5/32

3/8 NPT Female Thread to Tube Reducing Left-Hand V-Tees 604





Top View: *Left-hand Reducing V-Tees have the (smaller) Reducing Branch on the left.*



3/8FRVT5-3-LH 3/8FRVT3-2-LH

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	5/8	13/16	9/16	9/16
.040 / 1mm	.040	5/8	13/16	9/16	9/16
3/64	.045	5/8	13/16	9/16	9/16
.050	.050	5/8	13/16	9/16	9/16
1/16	1	5/8	13/16	5/8	5/8
5/64 / 2mm	2	5/8	13/16	5/8	5/8
3/32	2 1/2	5/8	13/16	5/8	5/8
1/8	3	5/8	13/16	23/32	23/32
5/32 / 4mm	3 1/2	5/8	13/16	23/32	23/32

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
.170	4	5/8	13/16	3/4	3/4
3/16	5	5/8	13/16	25/32	25/32
7/32	5 1/2	5/8	13/16	25/32	25/32
6mm	5 3/4	5/8	13/16	29/32	29/32
1/4	6	5/8	13/16	29/32	29/32
5/16 / 8mm	7	15/16	13/16	1 1/32	1 1/32
3/8	8	15/16	13/16	15/16	15/16
1/2	10	15/16	13/16	1 5/32	1 5/32

Note: *Dimensions may vary at time of manufacturing and according to branch options/sizes chosen.*

Part Numbers for 3/8 NPT Female Thread to Tube Reducing Left-Hand V-Tees:

Thread Size → 3/8 — FRVT ← Fitting Series — # ← Larger Branch # — - — # ← Smaller Branch # — LH ← Left-Hand Indicator

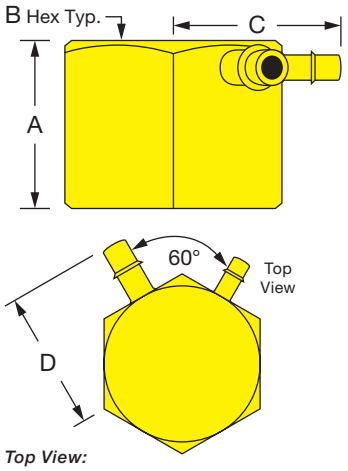
Unless otherwise specified, parts will be Brass. To order other materials, use the following codes:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

605 3/8 NPT Female Thread to Tube Reducing Right-Hand V-Tees

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	5/8	13/16	9/16	9/16
.040 / 1mm	.040	5/8	13/16	9/16	9/16
3/64	.045	5/8	13/16	9/16	9/16
.050	.050	5/8	13/16	9/16	9/16
1/16	1	5/8	13/16	5/8	5/8
5/64 / 2mm	2	5/8	13/16	5/8	5/8
3/32	2 1/2	5/8	13/16	5/8	5/8
1/8	3	5/8	13/16	23/32	23/32
5/32 / 4mm	3 1/2	5/8	13/16	23/32	23/32

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
.170	4	5/8	13/16	3/4	3/4
3/16	5	5/8	13/16	25/32	25/32
7/32	5 1/2	5/8	13/16	25/32	25/32
6mm	5 3/4	5/8	13/16	29/32	29/32
1/4	6	5/8	13/16	29/32	29/32
5/16 / 8mm	7	15/16	13/16	1 1/32	1 1/32
3/8	8	15/16	13/16	15/16	15/16
1/2	10	15/16	13/16	1 5/32	1 5/32

Note: *Dimensions may vary at time of manufacturing and according to branch options/sizes chosen.*



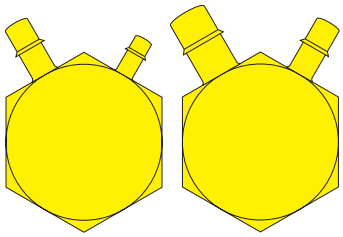
Top View:
Right-hand Reducing V-Tees have the (smaller) Reducing Branch on the right.

Part Numbers for 3/8 NPT Female Thread to Tube Reducing Right-Hand V-Tees:

Thread Size → **3/8** **FRVT** **#** - **#** - **RH** ← Right-Hand Indicator

Fitting Series ↑ Larger Branch # ↑ Smaller Branch #

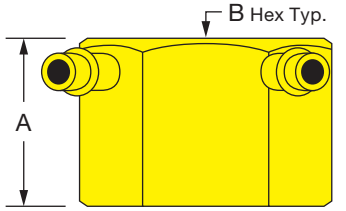
Unless otherwise specified, parts will be Brass. To order other materials, use the following codes:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate



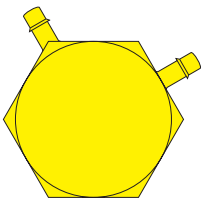
3/8FRVT3-2-RH 3/8FRVT5-3-RH

606 3/8 NPT Female Thread to Tube 90° V-Tees

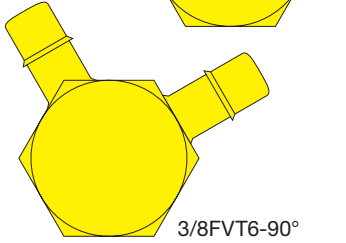
Tube ID	Part Numbers				Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/32	3/8FVT.031-90°	3/8FVT.031-90°-SS	3/8FVT.031-90°-316SS	3/8FVT.031-90°-NP	5/8	13/16	Consult Factory	9/16
.040 / 1mm	3/8FVT.040-90°	3/8FVT.040-90°-SS	3/8FVT.040-90°-316SS	3/8FVT.040-90°-NP	5/8	13/16	Consult Factory	9/16
3/64	3/8FVT.045-90°	3/8FVT.045-90°-SS	3/8FVT.045-90°-316SS	3/8FVT.045-90°-NP	5/8	13/16	Consult Factory	9/16
.050	3/8FVT.050-90°	3/8FVT.050-90°-SS	3/8FVT.050-90°-316SS	3/8FVT.050-90°-NP	5/8	13/16	Consult Factory	9/16
1/16	3/8FVT1-90°	3/8FVT1-90°-SS	3/8FVT1-90°-316SS	3/8FVT1-90°-NP	5/8	13/16	Consult Factory	5/8
5/64 / 2mm	3/8FVT2-90°	3/8FVT2-90°-SS	3/8FVT2-90°-316SS	3/8FVT2-90°-NP	5/8	13/16	Consult Factory	5/8
3/32	3/8FVT2 1/2-90°	3/8FVT2 1/2-90°-SS	3/8FVT2 1/2-90°-316SS	3/8FVT2 1/2-90°-NP	5/8	13/16	Consult Factory	5/8
1/8	3/8FVT3-90°	3/8FVT3-90°-SS	3/8FVT3-90°-316SS	3/8FVT3-90°-NP	5/8	13/16	Consult Factory	23/32
5/32 / 4mm	3/8FVT3 1/2-90°	3/8FVT3 1/2-90°-SS	3/8FVT3 1/2-90°-316SS	3/8FVT3 1/2-90°-NP	5/8	13/16	Consult Factory	23/32
.170	3/8FVT4-90°	3/8FVT4-90°-SS	3/8FVT4-90°-316SS	3/8FVT4-90°-NP	5/8	13/16	Consult Factory	3/4
3/16	3/8FVT5-90°	3/8FVT5-90°-SS	3/8FVT5-90°-316SS	3/8FVT5-90°-NP	5/8	13/16	Consult Factory	25/32
7/32	3/8FVT5 1/2-90°	3/8FVT5 1/2-90°-SS	3/8FVT5 1/2-90°-316SS	3/8FVT5 1/2-90°-NP	5/8	13/16	Consult Factory	25/32
6mm	3/8FVT5 3/4-90°	3/8FVT5 3/4-90°-SS	3/8FVT5 3/4-90°-316SS	3/8FVT5 3/4-90°-NP	5/8	13/16	Consult Factory	29/32
1/4	3/8FVT6-90°	3/8FVT6-90°-SS	3/8FVT6-90°-316SS	3/8FVT6-90°-NP	5/8	13/16	Consult Factory	29/32
5/16 / 8mm	3/8FVT7-90°	3/8FVT7-90°-SS	3/8FVT7-90°-316SS	3/8FVT7-90°-NP	15/16	13/16	Consult Factory	1 1/32
3/8	3/8FVT8-90°	3/8FVT8-90°-SS	3/8FVT8-90°-316SS	3/8FVT8-90°-NP	15/16	13/16	Consult Factory	15/16
1/2	3/8FVT10-90°	3/8FVT10-90°-SS	3/8FVT10-90°-316SS	3/8FVT10-90°-NP	15/16	13/16	Consult Factory	1 5/32



Note:
For systems that do not allow the degree symbol (°), substitute with 'DEG' in the part number.

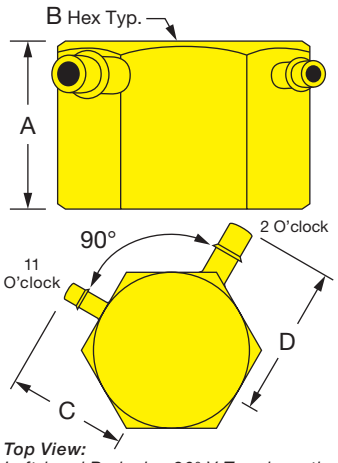


3/8FVT2-90°



3/8FVT6-90°

3/8 NPT Male Thread to Tube Reducing Left-Hand 90° V-Tees 607



Top View:
Left-hand Reducing 90° V-Tees have the hex flat branch on the left, at 11 o'clock, while the hex point branch is at 2 o'clock.

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	5/8	13/16	9/16	Consult Factory
.040 / 1mm	.040	5/8	13/16	9/16	
3/64	.045	5/8	13/16	9/16	
.050	.050	5/8	13/16	9/16	
1/16	1	5/8	13/16	5/8	
5/64 / 2mm	2	5/8	13/16	5/8	
3/32	2 1/2	5/8	13/16	5/8	
1/8	3	5/8	13/16	23/32	
5/32 / 4mm	3 1/2	5/8	13/16	23/32	

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
.170	4	5/8	13/16	3/4	Consult Factory
3/16	5	5/8	13/16	25/32	
7/32	5 1/2	5/8	13/16	25/32	
6mm	5 3/4	5/8	13/16	29/32	
1/4	6	5/8	13/16	29/32	
5/16 / 8mm	7	15/16	13/16	1 1/32	
3/8	8	15/16	13/16	15/16	
1/2	10	15/16	13/16	1 5/32	

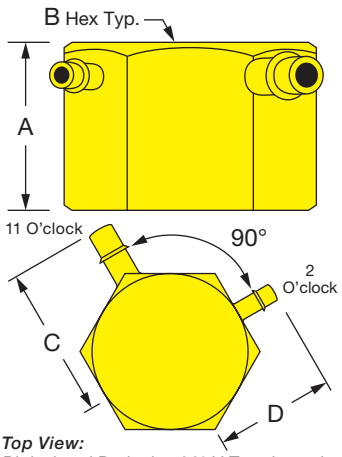
Note: *For systems that do not allow the degree symbol (°) to be used, substitute with 'DEG' in the part number.*

Part Numbers for 3/8 NPT Female Thread to Tube Reducing Left-Hand 90° V-Tees:

Thread Size → **3/8** **FRVT** **#** - **#** - **90°** - **LH** ← Left-Hand Indicator

Fitting Series ↑ | 2 O'clock Branch # ↑ | 11 O'clock Branch # ↑ | 90° Indicator ↑

3/8 NPT Male Thread to Tube Reducing Right-Hand 90° V-Tees 608



Top View:
Right-hand Reducing 90° V-Tees have the hex flat branch on the right at 2 o'clock, while the hex point branch is at 11 o'clock.

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	5/8	13/16	Consult Factory	9/16
.040 / 1mm	.040	5/8	13/16		9/16
3/64	.045	5/8	13/16		9/16
.050	.050	5/8	13/16		9/16
1/16	1	5/8	13/16		5/8
5/64 / 2mm	2	5/8	13/16		5/8
3/32	2 1/2	5/8	13/16		5/8
1/8	3	5/8	13/16		23/32
5/32 / 4mm	3 1/2	5/8	13/16		23/32

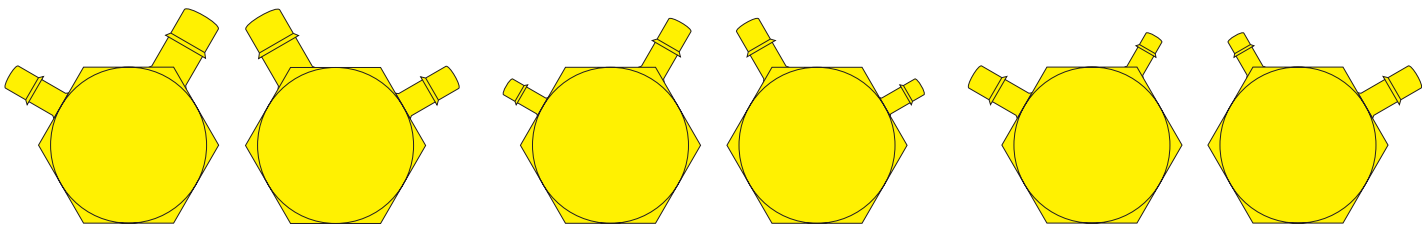
Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
.170	4	5/8	13/16	Consult Factory	3/4
3/16	5	5/8	13/16		25/32
7/32	5 1/2	5/8	13/16		25/32
6mm	5 3/4	5/8	13/16		29/32
1/4	6	5/8	13/16		29/32
5/16 / 8mm	7	15/16	13/16		1 1/32
3/8	8	15/16	13/16		15/16
1/2	10	15/16	13/16		1 5/32

Note: *For systems that do not allow the degree symbol (°) to be used, substitute with 'DEG' in the part number.*

Part Numbers for 3/8 NPT Female Thread to Tube Reducing Right-Hand 90° V-Tees:

Thread Size → **3/8** **FRVT** **#** - **#** - **90°** - **RH** ← Right-Hand Indicator

Fitting Series ↑ | 11 O'clock Branch ↑ | 2 O'clock Branch ↑ | 90° Indicator ↑

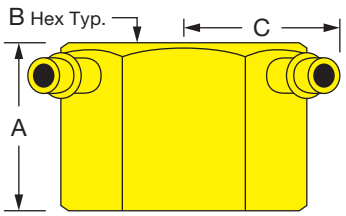


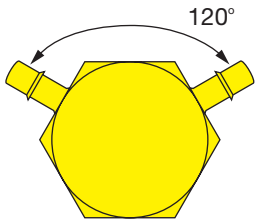
3/8FRVT5-3-90°-LH | 3/8FRVT5-3-90°-RH | 3/8FRVT3-2-90°-LH | 3/8FRVT3-2-90°-RH | 3/8FRVT2-3-90°-LH | 3/8FRVT2-3-90°-RH

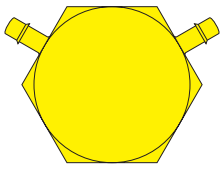
Unless otherwise specified, parts will be Brass. To order other materials, please add the following codes to the part number:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

609 — 3/8 NPT Female Thread to Tube 120° V-Tees

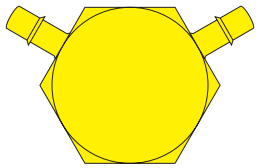
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	3/8FVT.031-120°	3/8FVT.031-120°-SS	3/8FVT.031-120°-316SS	3/8FVT.031-120°-NP	5/8	13/16	9/16
.040 / 1mm	3/8FVT.040-120°	3/8FVT.040-120°-SS	3/8FVT.040-120°-316SS	3/8FVT.040-120°-NP	5/8	13/16	9/16
3/64	3/8FVT.045-120°	3/8FVT.045-120°-SS	3/8FVT.045-120°-316SS	3/8FVT.045-120°-NP	5/8	13/16	9/16
.050	3/8FVT.050-120°	3/8FVT.050-120°-SS	3/8FVT.050-120°-316SS	3/8FVT.050-120°-NP	5/8	13/16	9/16
1/16	3/8FVT1-120°	3/8FVT1-120°-SS	3/8FVT1-120°-316SS	3/8FVT1-120°-NP	5/8	13/16	5/8
5/64 / 2mm	3/8FVT2-120°	3/8FVT2-120°-SS	3/8FVT2-120°-316SS	3/8FVT2-120°-NP	5/8	13/16	5/8
3/32	3/8FVT2 1/2-120°	3/8FVT2 1/2-120°-SS	3/8FVT2 1/2-120°-316SS	3/8FVT2 1/2-120°-NP	5/8	13/16	5/8
1/8	3/8FVT3-120°	3/8FVT3-120°-SS	3/8FVT3-120°-316SS	3/8FVT3-120°-NP	5/8	13/16	23/32
5/32 / 4mm	3/8FVT3 1/2-120°	3/8FVT3 1/2-120°-SS	3/8FVT3 1/2-120°-316SS	3/8FVT3 1/2-120°-NP	5/8	13/16	23/32
.170	3/8FVT4-120°	3/8FVT4-120°-SS	3/8FVT4-120°-316SS	3/8FVT4-120°-NP	5/8	13/16	3/4
3/16	3/8FVT5-120°	3/8FVT5-120°-SS	3/8FVT5-120°-316SS	3/8FVT5-120°-NP	5/8	13/16	25/32
7/32	3/8FVT5 1/2-120°	3/8FVT5 1/2-120°-SS	3/8FVT5 1/2-120°-316SS	3/8FVT5 1/2-120°-NP	5/8	13/16	25/32
6mm	3/8FVT5 3/4-120°	3/8FVT5 3/4-120°-SS	3/8FVT5 3/4-120°-316SS	3/8FVT5 3/4-120°-NP	5/8	13/16	29/32
1/4	3/8FVT6-120°	3/8FVT6-120°-SS	3/8FVT6-120°-316SS	3/8FVT6-120°-NP	5/8	13/16	29/32
5/16 / 8mm	3/8FVT7-120°	3/8FVT7-120°-SS	3/8FVT7-120°-316SS	3/8FVT7-120°-NP	15/16	13/16	1 1/32
3/8	3/8FVT8-120°	3/8FVT8-120°-SS	3/8FVT8-120°-316SS	3/8FVT8-120°-NP	15/16	13/16	15/16
1/2	3/8FVT10-120°	3/8FVT10-120°-SS	3/8FVT10-120°-316SS	3/8FVT10-120°-NP	15/16	13/16	1 5/32



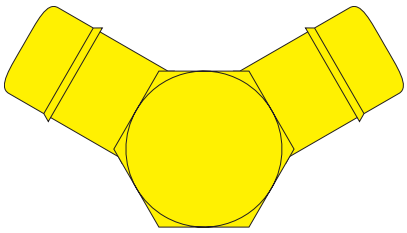




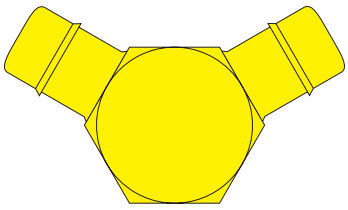
3/8FVT2-120°



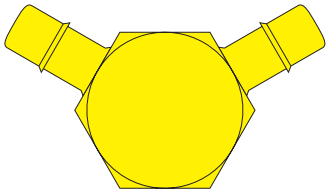
3/8FVT3-120°



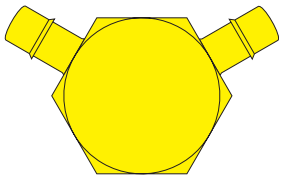
3/8FVT10-120°



3/8FVT8-120°

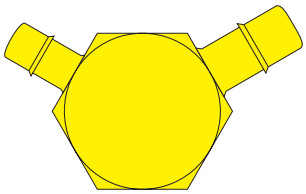


3/8FVT6-120°

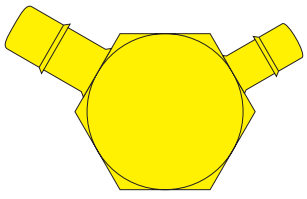


3/8FVT5-120°

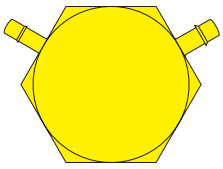
3/8 NPT Female Thread 120° Reducing V-Tees available! Lead times & minimum quantities may apply! Consult factory for details!



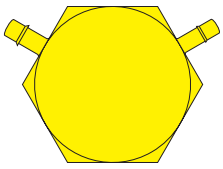
3/8FRVT6-5-120°-LH



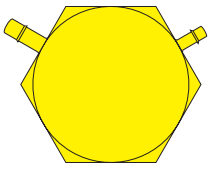
3/8FRVT6-5-120°-RH



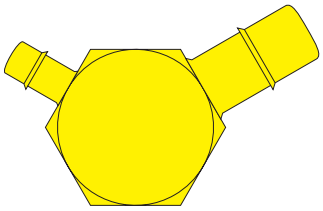
3/8FRVT 2-1-120°-LH



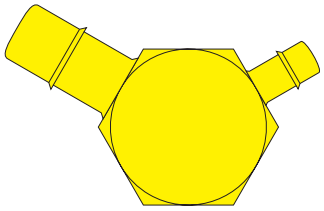
3/8FRVT 2-1-120°-RH



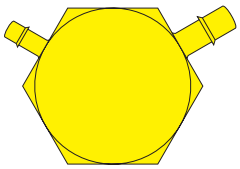
3/8FRVT 1-.045-120°-RH



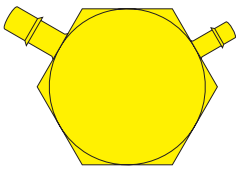
3/8FRVT7-4-120°-LH



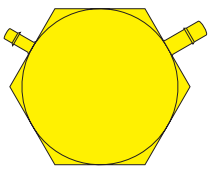
3/8FRVT7-4-120°-RH



3/8FRVT 3-2-120°-LH



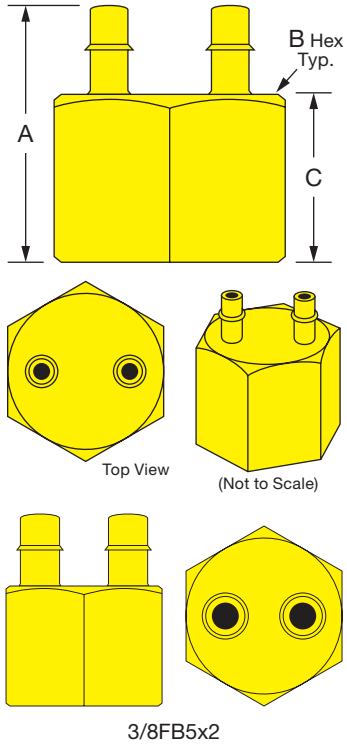
3/8FRVT 3-2-120°-RH



3/8FRVT 1-.045-120°-LH

Note: for systems that do not allow the degree symbol (°) to be used, it can be substituted with 'DEG' in the part number.

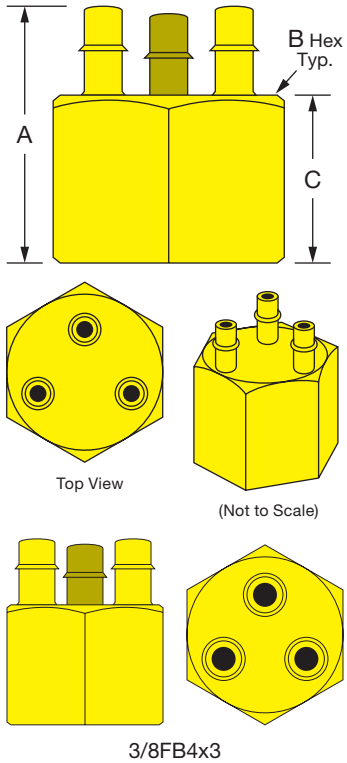
3/8 NPT Female Straight Manifolds with 2 Branches — 610



3/8FB5x2

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	3/8FB.031x2	3/8FB.031x2-SS	3/8FB.031x2-316SS	3/8FB.031x2-NP	25/32	13/16	5/8
.040 / 1mm	3/8FB.040x2	3/8FB.040x2-SS	3/8FB.040x2-316SS	3/8FB.040x2-NP	25/32	13/16	5/8
3/64	3/8FB.045x2	3/8FB.045x2-SS	3/8FB.045x2-316SS	3/8FB.045x2-NP	25/32	13/16	5/8
.050	3/8FB.050x2	3/8FB.050x2-SS	3/8FB.050x2-316SS	3/8FB.050x2-NP	25/32	13/16	5/8
1/16	3/8FB1x2	3/8FB1x2-SS	3/8FB1x2-316SS	3/8FB1x2-NP	27/32	13/16	5/8
5/64 / 2mm	3/8FB2x2	3/8FB2x2-SS	3/8FB2x2-316SS	3/8FB2x2-NP	27/32	13/16	5/8
3/32	3/8FB2 1/2x2	3/8FB2 1/2x2-SS	3/8FB2 1/2x2-316SS	3/8FB2 1/2x2-NP	27/32	13/16	5/8
1/8	3/8FB3x2	3/8FB3x2-SS	3/8FB3x2-316SS	3/8FB3x2-NP	15/16	13/16	5/8
5/32 / 4mm	3/8FB3 1/2x2	3/8FB3 1/2x2-SS	3/8FB3 1/2x2-316SS	3/8FB3 1/2x2-NP	15/16	13/16	5/8
.170	3/8FB4x2	3/8FB4x2-SS	3/8FB4x2-316SS	3/8FB4x2-NP	31/32	13/16	5/8
3/16	3/8FB5x2	3/8FB5x2-SS	3/8FB5x2-316SS	3/8FB5x2-NP	1	13/16	5/8
7/32	3/8FB5 1/2x2	3/8FB5 1/2x2-SS	3/8FB5 1/2x2-316SS	3/8FB5 1/2x2-NP	1	13/16	5/8
6mm	3/8FB5 3/4x2	3/8FB5 3/4x2-SS	3/8FB5 3/4x2-316SS	3/8FB5 3/4x2-NP	1 1/8	13/16	5/8
1/4	3/8FB6x2	3/8FB6x2-SS	3/8FB6x2-316SS	3/8FB6x2-NP	1 1/8	13/16	5/8

3/8 NPT Female Straight Manifolds with 3 Branches — 611



3/8FB4x3

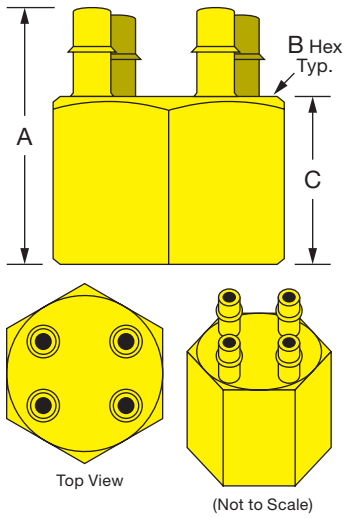
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	3/8FB.031x3	3/8FB.031x3-SS	3/8FB.031x3-316SS	3/8FB.031x3-NP	25/32	13/16	5/8
.040 / 1mm	3/8FB.040x3	3/8FB.040x3-SS	3/8FB.040x3-316SS	3/8FB.040x3-NP	25/32	13/16	5/8
3/64	3/8FB.045x3	3/8FB.045x3-SS	3/8FB.045x3-316SS	3/8FB.045x3-NP	25/32	13/16	5/8
.050	3/8FB.050x3	3/8FB.050x3-SS	3/8FB.050x3-316SS	3/8FB.050x3-NP	25/32	13/16	5/8
1/16	3/8FB1x3	3/8FB1x3-SS	3/8FB1x3-316SS	3/8FB1x3-NP	27/32	13/16	5/8
5/64 / 2mm	3/8FB2x3	3/8FB2x3-SS	3/8FB2x3-316SS	3/8FB2x3-NP	27/32	13/16	5/8
3/32	3/8FB2 1/2x3	3/8FB2 1/2x3-SS	3/8FB2 1/2x3-316SS	3/8FB2 1/2x3-NP	27/32	13/16	5/8
1/8	3/8FB3x3	3/8FB3x3-SS	3/8FB3x3-316SS	3/8FB3x3-NP	15/16	13/16	5/8
5/32 / 4mm	3/8FB3 1/2x3	3/8FB3 1/2x3-SS	3/8FB3 1/2x3-316SS	3/8FB3 1/2x3-NP	15/16	13/16	5/8
.170	3/8FB4x3	3/8FB4x3-SS	3/8FB4x3-316SS	3/8FB4x3-NP	31/32	13/16	5/8
3/16	3/8FB5x3	3/8FB5x3-SS	3/8FB5x3-316SS	3/8FB5x3-NP	1	13/16	5/8
7/32	3/8FB5 1/2x3	3/8FB5 1/2x3-SS	3/8FB5 1/2x3-316SS	3/8FB5 1/2x3-NP	1	13/16	5/8
6mm	3/8FB5 3/4x3	3/8FB5 3/4x3-SS	3/8FB5 3/4x3-316SS	3/8FB5 3/4x3-NP	1 1/8	13/16	5/8
1/4	3/8FB6x3	3/8FB6x3-SS	3/8FB6x3-316SS	3/8FB6x3-NP	1 1/8	13/16	5/8

Note: Images are for visual representation only; not intended for dimensional measurements. Dimensions may vary at time of manufacturing and according to branch options chosen. Consult factory for details.

Customize your manifolds with alternate branch locations! Use the template on page 339! Consult factory for details!

612 3/8 NPT Female Straight Manifolds with 4 Branches

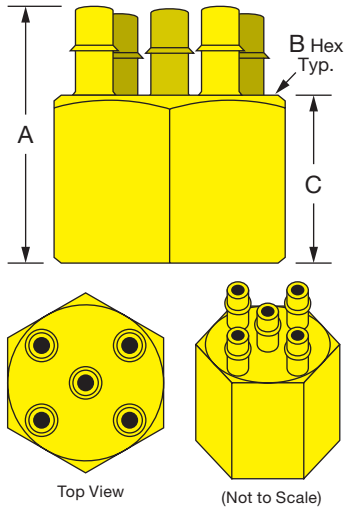
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	3/8FB.031x4	3/8FB.031x4-SS	3/8FB.031x4-316SS	3/8FB.031x4-NP	25/32	13/16	5/8
.040 / 1mm	3/8FB.040x4	3/8FB.040x4-SS	3/8FB.040x4-316SS	3/8FB.040x4-NP	25/32	13/16	5/8
3/64	3/8FB.045x4	3/8FB.045x4-SS	3/8FB.045x4-316SS	3/8FB.045x4-NP	25/32	13/16	5/8
.050	3/8FB.050x4	3/8FB.050x4-SS	3/8FB.050x4-316SS	3/8FB.050x4-NP	25/32	13/16	5/8
1/16	3/8FB1x4	3/8FB1x4-SS	3/8FB1x4-316SS	3/8FB1x4-NP	27/32	13/16	5/8
5/64 / 2mm	3/8FB2x4	3/8FB2x4-SS	3/8FB2x4-316SS	3/8FB2x4-NP	27/32	13/16	5/8
3/32	3/8FB2 1/2x4	3/8FB2 1/2x4-SS	3/8FB2 1/2x4-316SS	3/8FB2 1/2x4-NP	27/32	13/16	5/8
1/8	3/8FB3x4	3/8FB3x4-SS	3/8FB3x4-316SS	3/8FB3x4-NP	15/16	13/16	5/8
5/32 / 4mm	3/8FB3 1/2x4	3/8FB3 1/2x4-SS	3/8FB3 1/2x4-316SS	3/8FB3 1/2x4-NP	15/16	13/16	5/8
.170	3/8FB4x4	3/8FB4x4-SS	3/8FB4x4-316SS	3/8FB4x4-NP	31/32	13/16	5/8
3/16	3/8FB5x4	3/8FB5x4-SS	3/8FB5x4-316SS	3/8FB5x4-NP	1	13/16	5/8
7/32	3/8FB5 1/2x4	3/8FB5 1/2x4-SS	3/8FB5 1/2x4-316SS	3/8FB5 1/2x4-NP	1	13/16	5/8



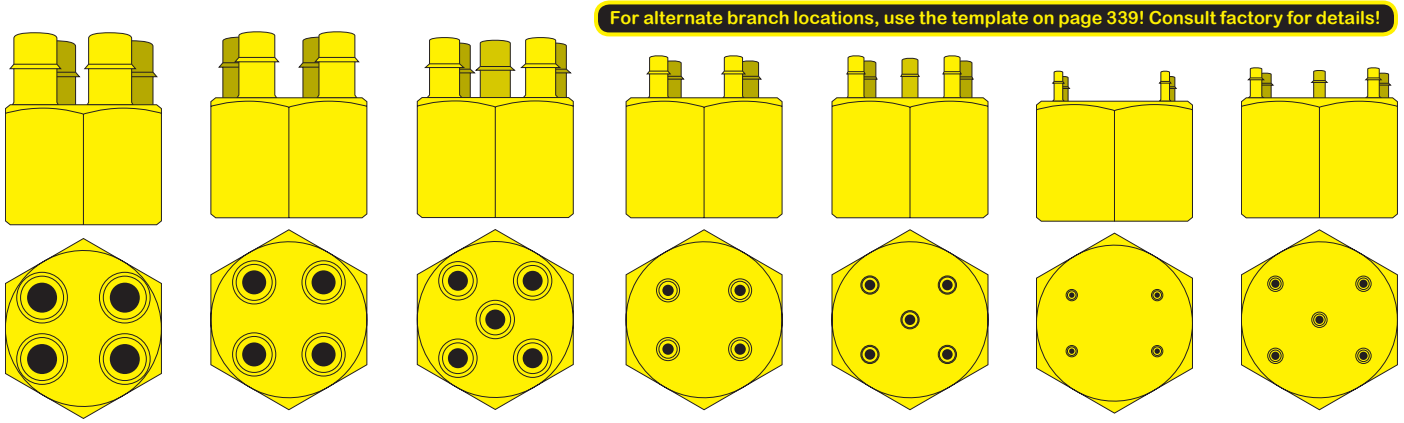
Use the template on page 339 to customize Female Straight Manifolds with alternate branch locations!

613 3/8 NPT Female Straight Manifolds with 5 Branches

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	3/8FB.031x5	3/8FB.031x5-SS	3/8FB.031x5-316SS	3/8FB.031x5-NP	25/32	13/16	5/8
.040 / 1mm	3/8FB.040x5	3/8FB.040x5-SS	3/8FB.040x5-316SS	3/8FB.040x5-NP	25/32	13/16	5/8
3/64	3/8FB.045x5	3/8FB.045x5-SS	3/8FB.045x5-316SS	3/8FB.045x5-NP	25/32	13/16	5/8
.050	3/8FB.050x5	3/8FB.050x5-SS	3/8FB.050x5-316SS	3/8FB.050x5-NP	25/32	13/16	5/8
1/16	3/8FB1x5	3/8FB1x5-SS	3/8FB1x5-316SS	3/8FB1x5-NP	27/32	13/16	5/8
5/64 / 2mm	3/8FB2x5	3/8FB2x5-SS	3/8FB2x5-316SS	3/8FB2x5-NP	27/32	13/16	5/8
3/32	3/8FB2 1/2x5	3/8FB2 1/2x5-SS	3/8FB2 1/2x5-316SS	3/8FB2 1/2x5-NP	27/32	13/16	5/8
1/8	3/8FB3x5	3/8FB3x5-SS	3/8FB3x5-316SS	3/8FB3x5-NP	15/16	13/16	5/8
5/32 / 4mm	3/8FB3 1/2x5	3/8FB3 1/2x5-SS	3/8FB3 1/2x5-316SS	3/8FB3 1/2x5-NP	15/16	13/16	5/8

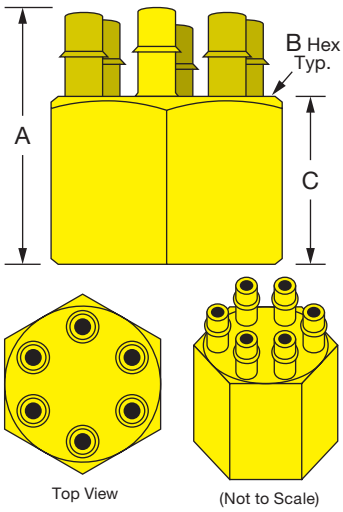


For alternate branch locations, use the template on page 339! Consult factory for details!



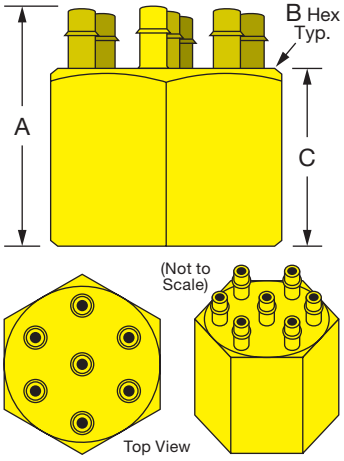
3/8FB5 1/2x4 | 3/8FB4x4 | 3/8FB3 1/2x5 | 3/8FB2x4 | 3/8FB1x5 | 3/8FB.050x4 | 3/8FB.045x5

3/8 NPT Female Straight Manifolds with 6 Branches 614



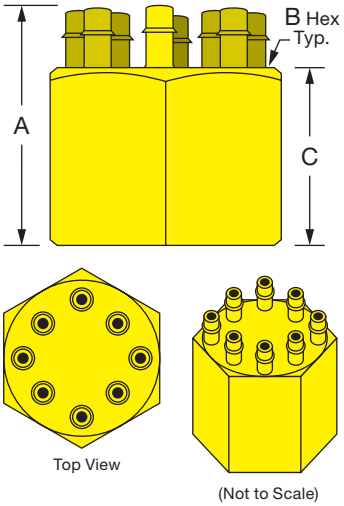
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	3/8FB.031x6	3/8FB.031x6-SS	3/8FB.031x6-316SS	3/8FB.031x6-NP	25/32	13/16	5/8
.040 / 1mm	3/8FB.040x6	3/8FB.040x6-SS	3/8FB.040x6-316SS	3/8FB.040x6-NP	25/32	13/16	5/8
3/64	3/8FB.045x6	3/8FB.045x6-SS	3/8FB.045x6-316SS	3/8FB.045x6-NP	25/32	13/16	5/8
.050	3/8FB.050x6	3/8FB.050x6-SS	3/8FB.050x6-316SS	3/8FB.050x6-NP	25/32	13/16	5/8
1/16	3/8FB1x6	3/8FB1x6-SS	3/8FB1x6-316SS	3/8FB1x6-NP	27/32	13/16	5/8
5/64 / 2mm	3/8FB2x6	3/8FB2x6-SS	3/8FB2x6-316SS	3/8FB2x6-NP	27/32	13/16	5/8
3/32	3/8FB2 1/2x6	3/8FB2 1/2x6-SS	3/8FB2 1/2x6-316SS	3/8FB2 1/2x6-NP	27/32	13/16	5/8
1/8	3/8FB3x6	3/8FB3x6-SS	3/8FB3x6-316SS	3/8FB3x6-NP	15/16	13/16	5/8
5/32 / 4mm	3/8FB3 1/2x6	3/8FB3 1/2x6-SS	3/8FB3 1/2x6-316SS	3/8FB3 1/2x6-NP	15/16	13/16	5/8

3/8 NPT Female Thread to Tube Manifolds with 7 Branches 615



Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	3/8FB.031x7	3/8FB.031x7-SS	3/8FB.031x7-316SS	3/8FB.031x7-NP	25/32	13/16	5/8
.040 / 1mm	3/8FB.040x7	3/8FB.040x7-SS	3/8FB.040x7-316SS	3/8FB.040x7-NP	25/32	13/16	5/8
3/64	3/8FB.045x7	3/8FB.045x7-SS	3/8FB.045x7-316SS	3/8FB.045x7-NP	25/32	13/16	5/8
.050	3/8FB.050x7	3/8FB.050x7-SS	3/8FB.050x7-316SS	3/8FB.050x7-NP	25/32	13/16	5/8
1/16	3/8FB1x7	3/8FB1x7-SS	3/8FB1x7-316SS	3/8FB1x7-NP	27/32	13/16	5/8
5/64 / 2mm	3/8FB2x7	3/8FB2x7-SS	3/8FB2x7-316SS	3/8FB2x7-NP	27/32	13/16	5/8
3/32	3/8FB2 1/2x7	3/8FB2 1/2x7-SS	3/8FB2 1/2x7-316SS	3/8FB2 1/2x7-NP	27/32	13/16	5/8
1/8	3/8FB3x7	3/8FB3x7-SS	3/8FB3x7-316SS	3/8FB3x7-NP	15/16	13/16	5/8

3/8 NPT Female Straight Manifolds with 8 Branches 616



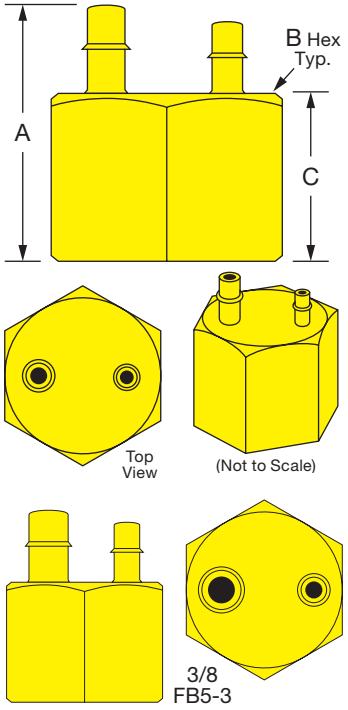
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	3/8FB.031x8	3/8FB.031x8-SS	3/8FB.031x8-316SS	3/8FB.031x8-NP	25/32	13/16	5/8
.040 / 1mm	3/8FB.040x8	3/8FB.040x8-SS	3/8FB.040x8-316SS	3/8FB.040x8-NP	25/32	13/16	5/8
3/64	3/8FB.045x8	3/8FB.045x8-SS	3/8FB.045x8-316SS	3/8FB.045x8-NP	25/32	13/16	5/8
.050	3/8FB.050x8	3/8FB.050x8-SS	3/8FB.050x8-316SS	3/8FB.050x8-NP	25/32	13/16	5/8
1/16	3/8FB1x8	3/8FB1x8-SS	3/8FB1x8-316SS	3/8FB1x8-NP	27/32	13/16	5/8
5/64 / 2mm	3/8FB2x8	3/8FB2x8-SS	3/8FB2x8-316SS	3/8FB2x8-NP	27/32	13/16	5/8
3/32	3/8FB2 1/2x8	3/8FB2 1/2x8-SS	3/8FB2 1/2x8-316SS	3/8FB2 1/2x8-NP	27/32	13/16	5/8

Customize your straight manifolds with alternate branch locations! Use the template on page 339 to indicate branch placement! Consult factory for details!

617 3/8 NPT Female Straight Reducing Manifolds with 2 Branches

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/32	.031	25/32	13/16	5/8
.040 / 1mm	.040	25/32	13/16	5/8
3/64	.045	25/32	13/16	5/8
.050	.050	25/32	13/16	5/8
1/16	1	27/32	13/16	5/8
5/64 / 2mm	2	27/32	13/16	5/8
3/32	2 1/2	27/32	13/16	5/8

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/8	3	15/16	13/16	5/8
5/32 / 4mm	3 1/2	15/16	13/16	5/8
.170	4	31/32	13/16	5/8
3/16	5	1	13/16	5/8
7/32	5 1/2	1	13/16	5/8
6mm	5 3/4	1 1/8	13/16	5/8
1/4	6	1 1/8	13/16	5/8



Part Numbers for 3/8 NPT Female Thread Reducing Manifolds with 2 Branches:

Thread Size → 3/8 FB # - # ← Smaller Branch #

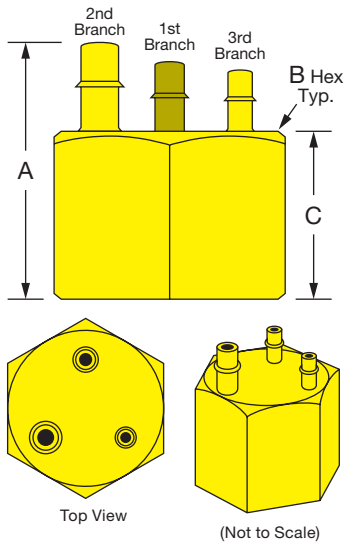
Fitting Series → FB; Larger Branch # → #

Unless otherwise specified, parts will be Brass.
For other materials, add the following codes to the part number:
-SS = Stainless Steel 303 **-316SS** = Stainless Steel 316 **-NP** = Electroless Nickel Plate

618 3/8 NPT Female Straight Reducing Manifolds with 3 Branches

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/32	.031	25/32	13/16	5/8
.040 / 1mm	.040	25/32	13/16	5/8
3/64	.045	25/32	13/16	5/8
.050	.050	25/32	13/16	5/8
1/16	1	27/32	13/16	5/8
5/64 / 2mm	2	27/32	13/16	5/8
3/32	2 1/2	27/32	13/16	5/8

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/8	3	15/16	13/16	5/8
5/32 / 4mm	3 1/2	15/16	13/16	5/8
.170	4	31/32	13/16	5/8
3/16	5	1	13/16	5/8
7/32	5 1/2	1	13/16	5/8
6mm	5 3/4	1 1/8	13/16	5/8
1/4	6	1 1/8	13/16	5/8

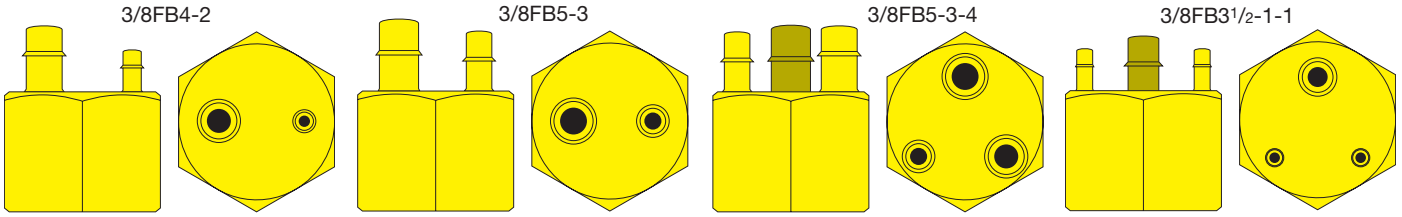


Part Numbers for 3/8 NPT Female Thread Reducing Manifolds with 3 Branches:

Thread Size → 3/8 FB # - # - # ← 3rd Branch #

Fitting Series → FB; 1st Branch # → #; 2nd Branch # → #

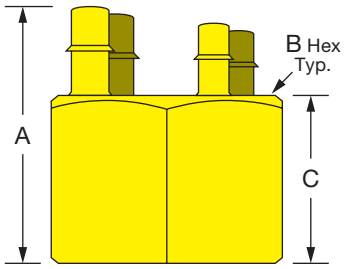
Material options listed above!


3/8FB4-2
3/8FB5-3
3/8FB5-3-4
3/8FB3 1/2-1-1

Customize your reducing straight manifolds with alternate branch locations! Use the template on page 339 to indicate branch placement! Consult factory for details!

Note: Images are for visual representation only; not intended for dimensional measurements. Dimensions may vary at time of manufacturing.

3/8 NPT Female Straight Reducing Manifolds with 4 Branches — 619



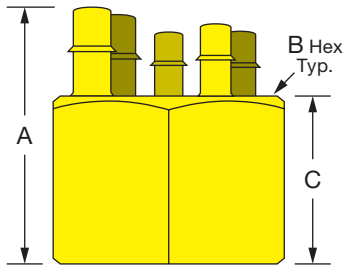
Use the template on page 339 to show branch sizes & locations!

Material options on next page!

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/32	.031	25/32	13/16	5/8
.040 / 1mm	.040	25/32	13/16	5/8
3/64	.045	25/32	13/16	5/8
.050	.050	25/32	13/16	5/8
1/16	1	27/32	13/16	5/8
5/64 / 2mm	2	27/32	13/16	5/8

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
3/32	2 1/2	27/32	13/16	5/8
1/8	3	15/16	13/16	5/8
5/32 / 4mm	3 1/2	15/16	13/16	5/8
.170	4	31/32	13/16	5/8
3/16	5	1	13/16	5/8
7/32	5 1/2	1	13/16	5/8

3/8 NPT Female Straight Reducing Manifolds with 5 or 6 Branches — 620



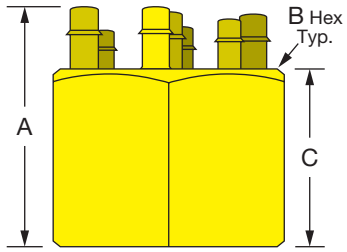
Use the template on page 339 to show branch sizes & locations!

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/32	.031	25/32	13/16	5/8
.040 / 1mm	.040	25/32	13/16	5/8
3/64	.045	25/32	13/16	5/8
.050	.050	25/32	13/16	5/8
1/16	1	27/32	13/16	5/8

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
5/64 / 2mm	2	27/32	13/16	5/8
3/32	2 1/2	27/32	13/16	5/8
1/8	3	15/16	13/16	5/8
5/32 / 4mm	3 1/2	15/16	13/16	5/8

Material options listed on next page!

3/8 NPT Female Straight Reducing Manifolds with 7 Branches — 621



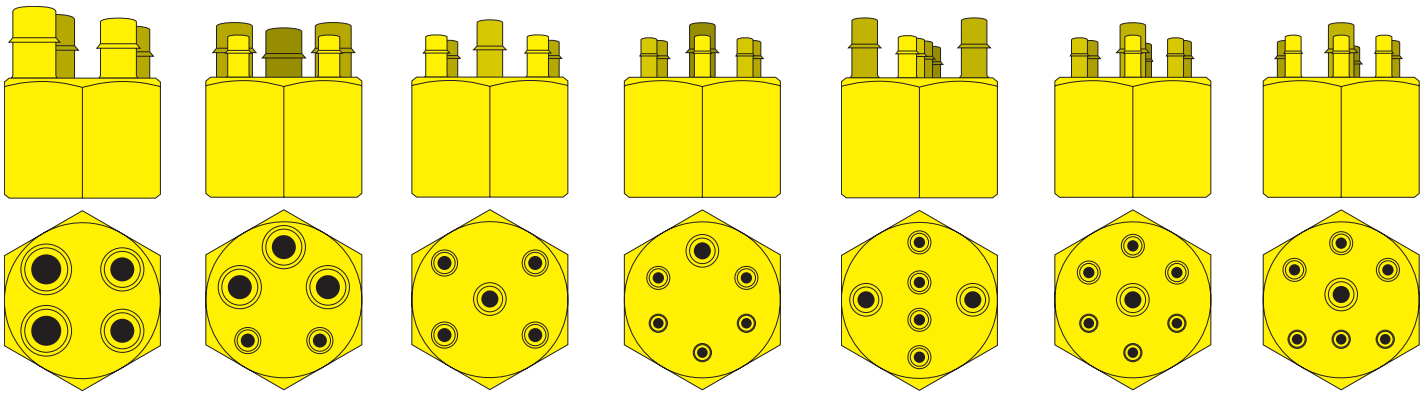
Note:
Dimensions may vary at time of manufacturing.

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/32	.031	25/32	13/16	5/8
.040 / 1mm	.040	25/32	13/16	5/8
3/64	.045	25/32	13/16	5/8
.050	.050	25/32	13/16	5/8

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/16	1	27/32	13/16	5/8
5/64 / 2mm	2	27/32	13/16	5/8
3/32	2 1/2	27/32	13/16	5/8
1/8	3	15/16	13/16	5/8

Use the template on page 339 to show branch sizes & locations!

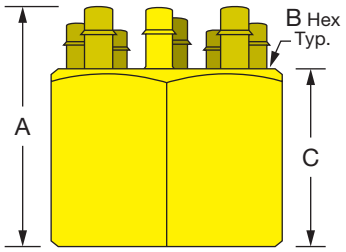
Material options listed on next page!



622 3/8 NPT Female Straight Reducing Manifolds with 8 Branches

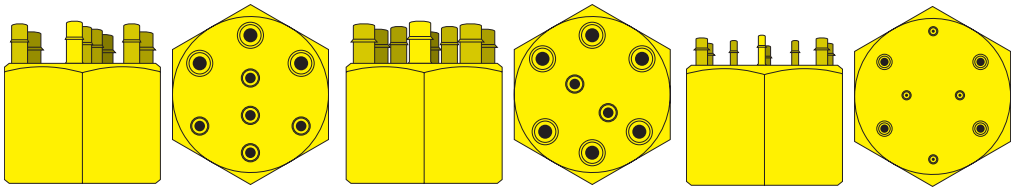
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/32	.031	25/32	13/16	5/8
.040 / 1mm	.040	25/32	13/16	5/8
3/64	.045	25/32	13/16	5/8
.050	.050	25/32	13/16	5/8

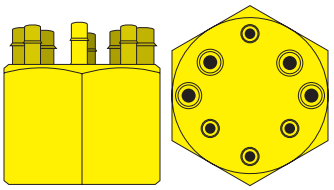
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/16	1	27/32	13/16	5/8
5/64 / 2mm	2	27/32	13/16	5/8
3/32	2 1/2	27/32	13/16	5/8



Material options listed below!

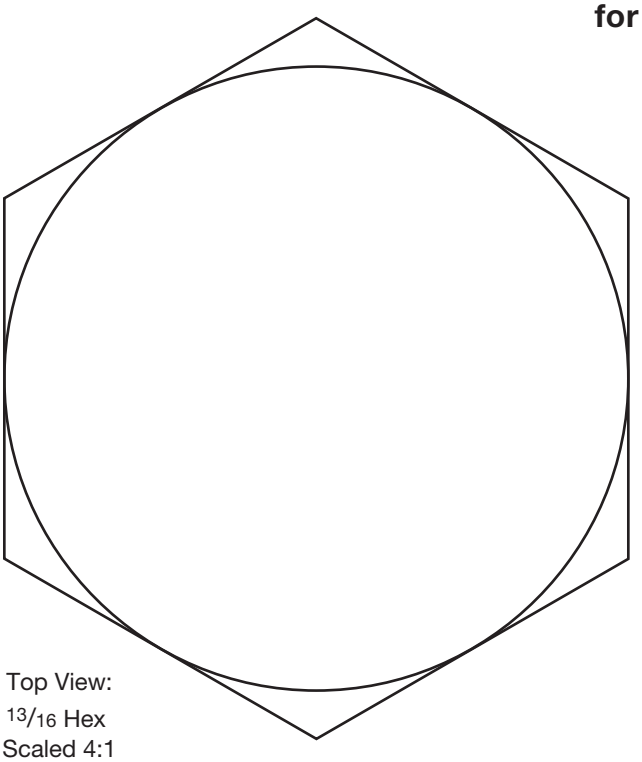
Use template below to indicate branch sizes and placement! Consult factory for details!





Unless otherwise specified, parts will be Brass. For other materials, add these codes to the part number:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

3/8 NPT Female Thread Straight Manifold Template for Branch Sizes and Locations



Top View:
13/16 Hex
Scaled 4:1

To Use:

Indicate the desired location of each branch by writing the numbers 1 through 8 (1 = 1st Branch, etc.) on the hex diagram on the below. Mark the coordinating Branch Number (size) in the chart below. Reference tables on page 338 and 339 for Branch Numbers and Tube ID's. Upon receipt of this template, a part number* will be issued. Note: The number of branches that will fit on the manifold hex will vary depending on the branch sizes desired.

Consult factory for details!

Branch Numbers:

1st Branch (1) = _____ 5th Branch (5) = _____

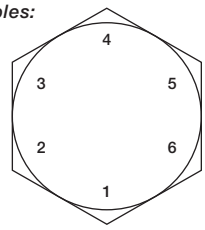
2nd Branch (2) = _____ 6th Branch (6) = _____

3rd Branch (3) = _____ 7th Branch (7) = _____

4th Branch (4) = _____ 8th Branch (8) = _____

*Part numbers will vary depending on branch configuration

Examples:



Branch Numbers:

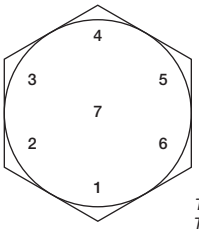
1st Branch (1) = *3* 5th Branch (5) = *1*

2nd Branch (2) = *3* 6th Branch (6) = *1*

3rd Branch (3) = *3* 7th Branch (7) = *n/a*

4th Branch (4) = *2* 8th Branch (8) = *n/a*

Three #3 Branches (1st, 2nd, 3rd)
One #2 Branches (4th) *Two* #1 Branches (5th, 6th)



Branch Numbers:

1st Branch (1) = *2* 5th Branch (5) = *1*

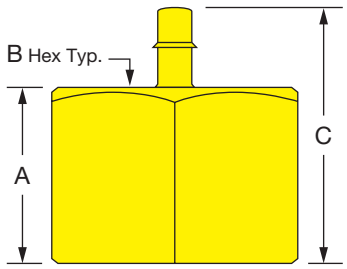
2nd Branch (2) = *2* 6th Branch (6) = *.050*

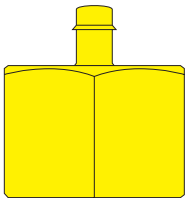
3rd Branch (3) = *1* 7th Branch (7) = *2 1/2*

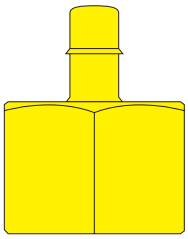
4th Branch (4) = *.050* 8th Branch (8) = *n/a*

Two #2 Branches (1st, 2nd) *Two* #1 Branches (3rd, 5th)
Two #.050 Branches (4th, 6th) *One* #2 1/2 Branches (7th)

1/2 NPT Female Thread to Tube 623

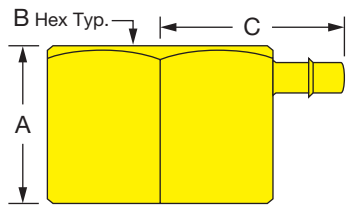


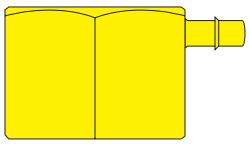

1/2FB4

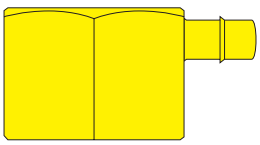

1/2FB6

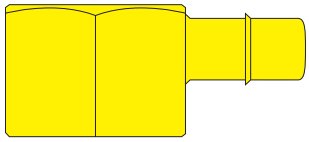
Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	1/2FB1	1/2FB1-SS	1/2FB1-316SS	1/2FB1-AL	1/2FB1-NP	11/16	15/16	29/32
5/64 / 2mm	1/2FB2	1/2FB2-SS	1/2FB2-316SS	1/2FB2-AL	1/2FB2-NP	11/16	15/16	29/32
3/32	1/2FB2 1/2	1/2FB2 1/2-SS	1/2FB2 1/2-316SS	1/2FB2 1/2-AL	1/2FB2 1/2-NP	11/16	15/16	29/32
1/8	1/2FB3	1/2FB3-SS	1/2FB3-316SS	1/2FB3-AL	1/2FB3-NP	11/16	15/16	1
5/32 / 4mm	1/2FB3 1/2	1/2FB3 1/2-SS	1/2FB3 1/2-316SS	1/2FB3 1/2-AL	1/2FB3 1/2-NP	11/16	15/16	1 1/32
.170	1/2FB4	1/2FB4-SS	1/2FB4-316SS	1/2FB4-AL	1/2FB4-NP	11/16	15/16	1
3/16	1/2FB5	1/2FB5-SS	1/2FB5-316SS	1/2FB5-AL	1/2FB5-NP	11/16	15/16	1 1/16
7/32	1/2FB5 1/2	1/2FB5 1/2-SS	1/2FB5 1/2-316SS	1/2FB5 1/2-AL	1/2FB5 1/2-NP	11/16	15/16	1 1/8
6mm	1/2FB5 3/4	1/2FB5 3/4-SS	1/2FB5 3/4-316SS	1/2FB5 3/4-AL	1/2FB5 3/4-NP	11/16	15/16	1 3/16
1/4	1/2FB6	1/2FB6-SS	1/2FB6-316SS	1/2FB6-AL	1/2FB6-NP	11/16	15/16	1 3/16
5/16 / 8mm	1/2FB7	1/2FB7-SS	1/2FB7-316SS	1/2FB7-AL	1/2FB7-NP	11/16	15/16	1 5/16
3/8	1/2FB8	1/2FB8-SS	1/2FB8-316SS	1/2FB8-AL	1/2FB8-NP	11/16	15/16	1 1/4
1/2	1/2FB10	1/2FB10-SS	1/2FB10-316SS	1/2FB10-AL	1/2FB10-NP	11/16	15/16	1 7/16
5/8	1/2FB11	1/2FB11-SS	1/2FB11-316SS	1/2FB11-AL	1/2FB11-NP	1	1	2.225
3/4	1/2FB12	1/2FB12-SS	1/2FB12-316SS	1/2FB12-AL	1/2FB12-NP	1	1	2.225

1/2 NPT Female Thread to Tube Elbows 624




1/2FLB3


1/2FLB5


1/2FLB7

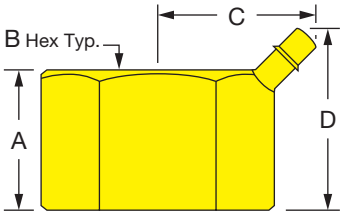
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	1/2FLB1	1/2FLB1-SS	1/2FLB1-316SS	1/2FLB1-NP	11/16	15/16	11/16
5/64 / 2mm	1/2FLB2	1/2FLB2-SS	1/2FLB2-316SS	1/2FLB2-NP	11/16	15/16	11/16
3/32	1/2FLB2 1/2	1/2FLB2 1/2-SS	1/2FLB2 1/2-316SS	1/2FLB2 1/2-NP	11/16	15/16	11/16
1/8	1/2FLB3	1/2FLB3-SS	1/2FLB3-316SS	1/2FLB3-NP	11/16	15/16	25/32
5/32 / 4mm	1/2FLB3 1/2	1/2FLB3 1/2-SS	1/2FLB3 1/2-316SS	1/2FLB3 1/2-NP	11/16	15/16	25/32
.170	1/2FLB4	1/2FLB4-SS	1/2FLB4-316SS	1/2FLB4-NP	11/16	15/16	13/16
3/16	1/2FLB5	1/2FLB5-SS	1/2FLB5-316SS	1/2FLB5-NP	11/16	15/16	27/32
7/32	1/2FLB5 1/2	1/2FLB5 1/2-SS	1/2FLB5 1/2-316SS	1/2FLB5 1/2-NP	11/16	15/16	27/32
6mm	1/2FLB5 3/4	1/2FLB5 3/4-SS	1/2FLB5 3/4-316SS	1/2FLB5 3/4-NP	11/16	15/16	31/32
1/4	1/2FLB6	1/2FLB6-SS	1/2FLB6-316SS	1/2FLB6-NP	11/16	15/16	31/32
5/16 / 8mm	1/2FLB7	1/2FLB7-SS	1/2FLB7-316SS	1/2FLB7-NP	11/16	15/16	1 3/32
3/8	1/2FLB8	1/2FLB8-SS	1/2FLB8-316SS	1/2FLB8-NP	11/16	15/16	1
1/2	1/2FLB10	1/2FLB10-SS	1/2FLB10-316SS	1/2FLB10-NP	Consult Factory		
5/8	1/2FLB11	1/2FLB11-SS	1/2FLB11-316SS	1/2FLB11-NP	Consult Factory		
3/4	1/2FLB12	1/2FLB12-SS	1/2FLB12-316SS	1/2FLB12-NP	Consult Factory		

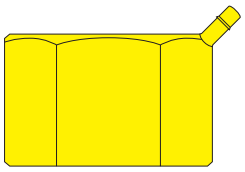
Note: *Images are for visual representation only; not intended for dimensional measurements. Dimensions may vary at time of manufacturing.*

Smaller branch sizes are available! Lead times & minimum quantities apply! Consult factory for details!

625 1/2 NPT Female Thread to Tube 45° Elbows

Tube ID	Part Numbers				Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/16	1/2FLB1-45°	1/2FLB1-45°-SS	1/2FLB1-45°-316SS	1/2FLB1-45°-NP	11/16	15/16	Consult Factory	Consult Factory
5/64 / 2mm	1/2FLB2-45°	1/2FLB2-45°-SS	1/2FLB2-45°-316SS	1/2FLB2-45°-NP	11/16	15/16		
3/32	1/2FLB2 1/2-45°	1/2FLB2 1/2-45°-SS	1/2FLB2 1/2-45°-316SS	1/2FLB2 1/2-45°-NP	11/16	15/16		
1/8	1/2FLB3-45°	1/2FLB3-45°-SS	1/2FLB3-45°-316SS	1/2FLB3-45°-NP	11/16	15/16		
5/32 / 4mm	1/2FLB3 1/2-45°	1/2FLB3 1/2-45°-SS	1/2FLB3 1/2-45°-316SS	1/2FLB3 1/2-45°-NP	11/16	15/16		
.170	1/2FLB4-45°	1/2FLB4-45°-SS	1/2FLB4-45°-316SS	1/2FLB4-45°-NP	11/16	15/16		
3/16	1/2FLB5-45°	1/2FLB5-45°-SS	1/2FLB5-45°-316SS	1/2FLB5-45°-NP	11/16	15/16		
7/32	1/2FLB5 1/2-45°	1/2FLB5 1/2-45°-SS	1/2FLB5 1/2-45°-316SS	1/2FLB5 1/2-45°-NP	11/16	15/16		
6mm	1/2FLB5 3/4-45°	1/2FLB5 3/4-45°-SS	1/2FLB5 3/4-45°-316SS	1/2FLB5 3/4-45°-NP	11/16	15/16		
1/4	1/2FLB6-45°	1/2FLB6-45°-SS	1/2FLB6-45°-316SS	1/2FLB6-45°-NP	11/16	15/16		
5/16 / 8mm	1/2FLB7-45°	1/2FLB7-45°-SS	1/2FLB7-45°-316SS	1/2FLB7-45°-NP	11/16	15/16		
3/8	1/2FLB8-45°	1/2FLB8-45°-SS	1/2FLB8-45°-316SS	1/2FLB8-45°-NP	11/16	15/16		
1/2	1/2FLB10-45°	1/2FLB10-45°-SS	1/2FLB10-45°-316SS	1/2FLB10-45°-NP	Consult Factory			
5/8	1/2FLB11-45°	1/2FLB11-45°-SS	1/2FLB11-45°-316SS	1/2FLB11-45°-NP	Consult Factory			
3/4	1/2FLB12-45°	1/2FLB12-45°-SS	1/2FLB12-45°-316SS	1/2FLB12-45°-NP	Consult Factory			

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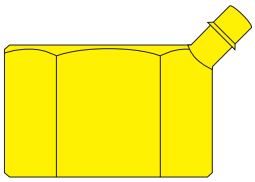
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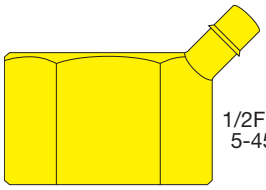
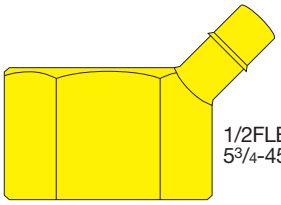

1/2FLB 5-45°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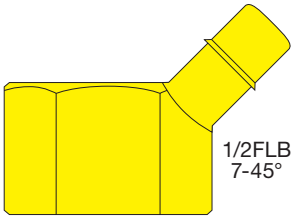
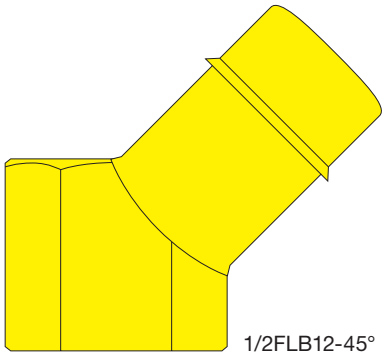
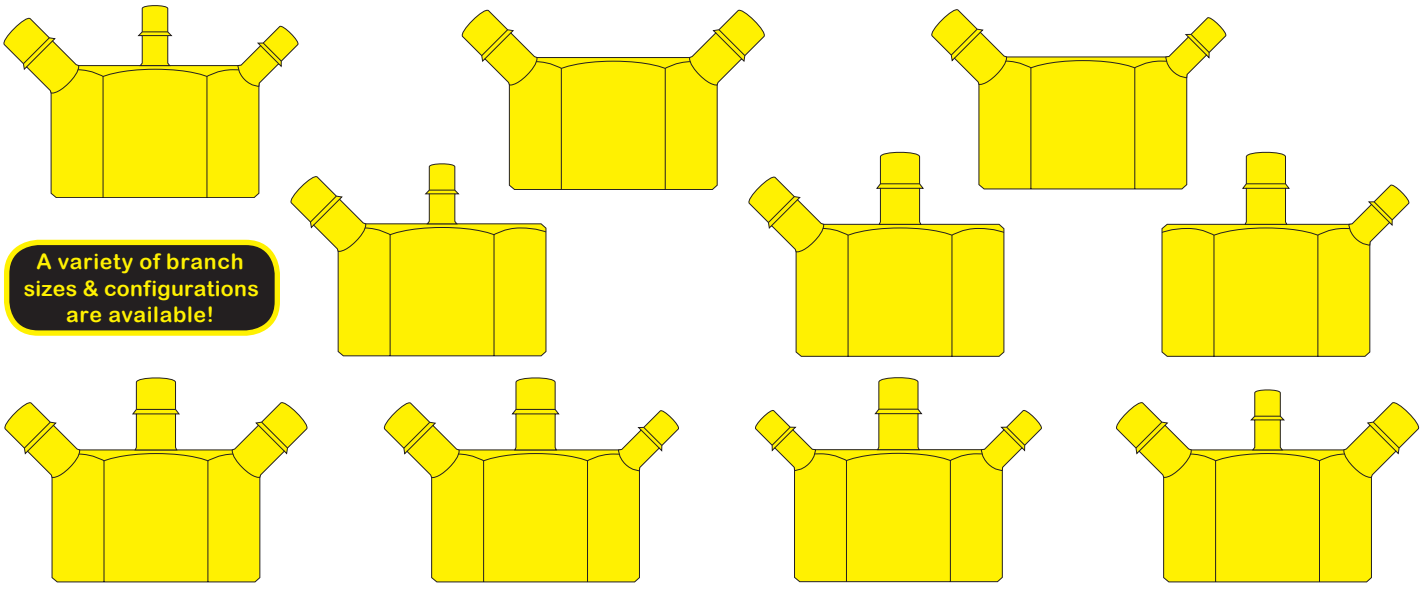

1/2FLB 7-45°


1/2FLB12-45°

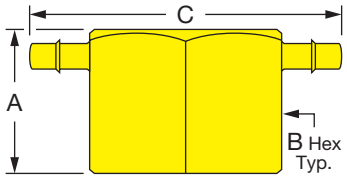
Note: for systems that do not allow the degree symbol (°) to be used, it can be substituted with 'DEG' in the part number.

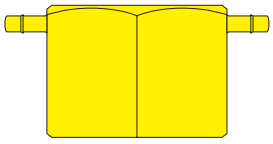
Custom 1/2 NPT Female Thread Fittings available! Minimum quantities & lead times may apply! Consult factory for details!

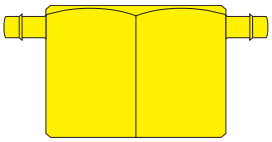


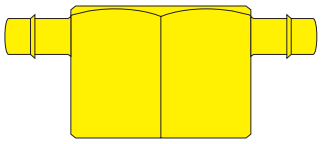
A variety of branch sizes & configurations are available!

1/2 NPT Female Thread to Tube Tees 626



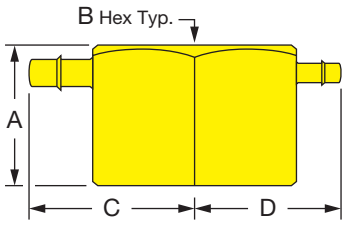

1/2FT1

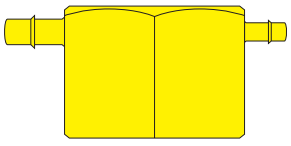

1/2FT2 1/2

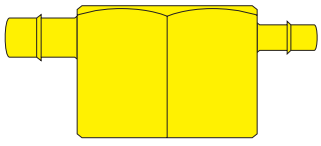

1/2FT4

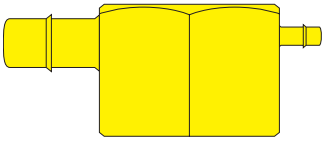
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	1/2FT1	1/2FT1-SS	1/2FT1-316SS	1/2FT1-NP	11/16	15/16	1 3/8
5/64 / 2mm	1/2FT2	1/2FT2-SS	1/2FT2-316SS	1/2FT2-NP	11/16	15/16	1 3/8
3/32	1/2FT2 1/2	1/2FT2 1/2-SS	1/2FT2 1/2-316SS	1/2FT2 1/2-NP	11/16	15/16	1 3/8
1/8	1/2FT3	1/2FT3-SS	1/2FT3-316SS	1/2FT3-NP	11/16	15/16	1 9/16
5/32 / 4mm	1/2FT3 1/2	1/2FT3 1/2-SS	1/2FT3 1/2-316SS	1/2FT3 1/2-NP	11/16	15/16	1 9/16
.170	1/2FT4	1/2FT4-SS	1/2FT4-316SS	1/2FT4-NP	11/16	15/16	1 5/8
3/16	1/2FT5	1/2FT5-SS	1/2FT5-316SS	1/2FT5-NP	11/16	15/16	1 11/16
7/32	1/2FT5 1/2	1/2FT5 1/2-SS	1/2FT5 1/2-316SS	1/2FT5 1/2-NP	11/16	15/16	1 11/16
6mm	1/2FT5 3/4	1/2FT5 3/4-SS	1/2FT5 3/4-316SS	1/2FT5 3/4-NP	11/16	15/16	1 15/16
1/4	1/2FT6	1/2FT6-SS	1/2FT6-316SS	1/2FT6-NP	11/16	15/16	1 15/16
5/16 / 8mm	1/2FT7	1/2FT7-SS	1/2FT7-316SS	1/2FT7-NP	11/16	15/16	2 3/16
3/8	1/2FT8	1/2FT8-SS	1/2FT8-316SS	1/2FT8-NP	11/16	15/16	2
1/2	1/2FT10	1/2FT10-SS	1/2FT10-316SS	1/2FT10-NP	Consult Factory		
5/8	1/2FT11	1/2FT11-SS	1/2FT11-316SS	1/2FT11-NP	Consult Factory		
3/4	1/2FT12	1/2FT12-SS	1/2FT12-316SS	1/2FT12-NP	Consult Factory		

1/2 NPT Female Thread to Tube Reducing Tees 627




1/2FRT3-2


1/2FRT5-3


1/2FRT6-2

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/16	1	11/16	15/16	11/16	11/16
5/64 / 2mm	2	11/16	15/16	11/16	11/16
3/32	2 1/2	11/16	15/16	11/16	11/16
1/8	3	11/16	15/16	25/32	25/32
5/32 / 4mm	3 1/2	11/16	15/16	25/32	25/32
.170	4	11/16	15/16	13/16	13/16
3/16	5	11/16	15/16	27/32	27/32
7/32	5 1/2	11/16	15/16	27/32	27/32

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
6mm	5 3/4	11/16	15/16	1	31/32
1/4	6	11/16	15/16	1	31/32
5/16 / 8mm	7	11/16	15/16	1 1/8	1 3/32
3/8	8	11/16	15/16	1 1/32	1
1/2	10	Consult Factory			
5/8	11	Consult Factory			
3/4	12	Consult Factory			

Note: *Images are for visual representation only. Dimensions may vary at time of manufacturing.*

Part Numbers for 1/2 NPT Female Thread to Tube Reducing Tees:

Thread Size → 1/2 — FRT (Fitting Series) — # — - — # (Larger Branch #) ← Smaller Branch #

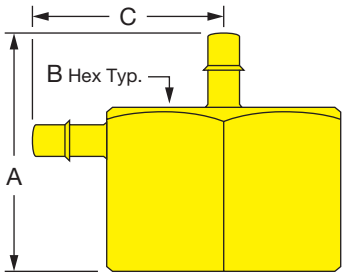
Unless otherwise specified, parts will be Brass. To order other materials, use the following codes:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

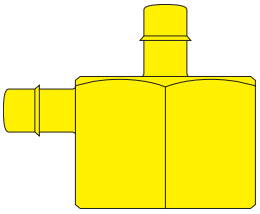
Smaller branch sizes are available! Lead times & minimum quantities apply! Consult factory for details!

628 — 1/2 NPT Female Thread to Tube L-Tees

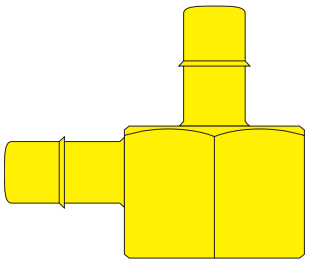
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	1/2FLT1	1/2FLT1-SS	1/2FLT1-316SS	1/2FLT1-NP	29/32	15/16	11/16
5/64 / 2mm	1/2FLT2	1/2FLT2-SS	1/2FLT2-316SS	1/2FLT2-NP	29/32	15/16	11/16
3/32	1/2FLT2 1/2	1/2FLT2 1/2-SS	1/2FLT2 1/2-316SS	1/2FLT2 1/2-NP	29/32	15/16	11/16
1/8	1/2FLT3	1/2FLT3-SS	1/2FLT3-316SS	1/2FLT3-NP	1	15/16	25/32
5/32 / 4mm	1/2FLT3 1/2	1/2FLT3 1/2-SS	1/2FLT3 1/2-316SS	1/2FLT3 1/2-NP	1	15/16	25/32
.170	1/2FLT4	1/2FLT4-SS	1/2FLT4-316SS	1/2FLT4-NP	1 1/32	15/16	13/16
3/16	1/2FLT5	1/2FLT5-SS	1/2FLT5-316SS	1/2FLT5-NP	1 1/16	15/16	27/32
7/32	1/2FLT5 1/2	1/2FLT5 1/2-SS	1/2FLT5 1/2-316SS	1/2FLT5 1/2-NP	1 1/16	15/16	27/32
6mm	1/2FLT5 3/4	1/2FLT5 3/4-SS	1/2FLT5 3/4-316SS	1/2FLT5 3/4-NP	1 3/16	15/16	31/32
1/4	1/2FLT6	1/2FLT6-SS	1/2FLT6-316SS	1/2FLT6-NP	1 3/16	15/16	31/32
5/16 / 8mm	1/2FLT7	1/2FLT7-SS	1/2FLT7-316SS	1/2FLT7-NP	1 5/16	15/16	1 3/32
3/8	1/2FLT8	1/2FLT8-SS	1/2FLT8-316SS	1/2FLT8-NP	1 7/32	15/16	1
1/2	1/2FLT10	1/2FLT10-SS	1/2FLT10-316SS	1/2FLT10-NP	*Consult Factory*		
5/8	1/2FLT11	1/2FLT11-SS	1/2FLT11-316SS	1/2FLT11-NP	*Consult Factory*		
3/4	1/2FLT12	1/2FLT12-SS	1/2FLT12-316SS	1/2FLT12-NP	*Consult Factory*		

Smaller branch sizes available! Lead times & minimum quantities apply! Consult factory for details!





1/2FLT5 1/2



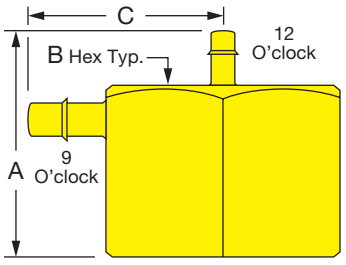
1/2FLT7

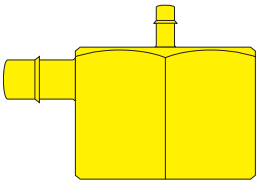
629 — 1/2 NPT Female Thread to Tube Reducing L-Tees

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/16	1	29/32	15/16	11/16
5/64 / 2mm	2	29/32	15/16	11/16
3/32	2 1/2	29/32	15/16	11/16
1/8	3	1	15/16	25/32
5/32 / 4mm	3 1/2	1 1/32	15/16	25/32
.170	4	1	15/16	13/16
3/16	5	1 1/16	15/16	27/32
7/32	5 1/2	1 1/8	15/16	27/32

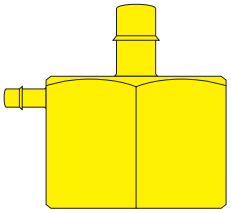
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
6mm	5 3/4	1 15/16	15/16	31/32
1/4	6	1 15/16	15/16	31/32
5/16 / 8mm	7	2 3/16	15/16	1 3/32
3/8	8	2	15/16	1
1/2	10	*Consult Factory*		
5/8	11	*Consult Factory*		
3/4	12	*Consult Factory*		

Note: *Images are for visual representation only. Dimensions may vary at time of manufacturing and according to options chosen.*





1/2FRLT5-2



1/2FRLT2-5

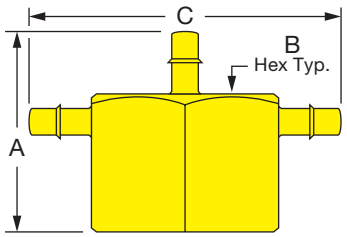
Part Numbers for 1/2 NPT Female Thread to Tube Reducing L-Tees:

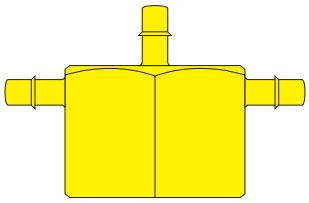
Thread Size → **1/2** **FRLT** **#** - **#** ← 12 O'clock Branch #

Fitting Series ↑ ↑ 9 O'clock Branch #

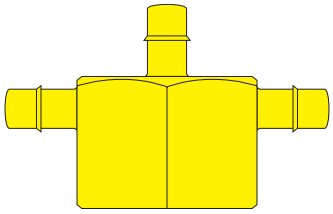
Unless otherwise specified, parts will be Brass. To order other materials, use the following codes:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

1/2 NPT Female Thread to Tube Tees x 3 — 630





1/2FT3x3

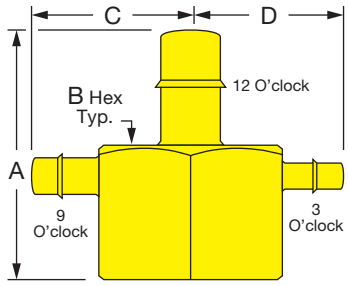


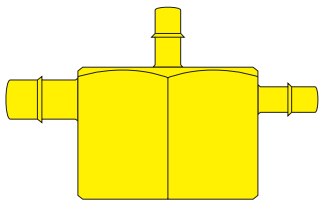
1/2FT5x3

Note: *Images are for visual representation only.*

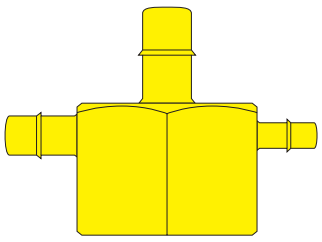
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	1/2FT1x3	1/2FT1x3-SS	1/2FT1x3-316SS	1/2FT1x3-NP	29/32	15/16	1 3/8
5/64 / 2mm	1/2FT2x3	1/2FT2x3-SS	1/2FT2x3-316SS	1/2FT2x3-NP	29/32	15/16	1 3/8
3/32	1/2FT2 1/2x3	1/2FT2 1/2x3-SS	1/2FT2 1/2x3-316SS	1/2FT2 1/2x3-NP	29/32	15/16	1 3/8
1/8	1/2FT3x3	1/2FT3x3-SS	1/2FT3x3-316SS	1/2FT3x3-NP	1	15/16	1 9/16
5/32 / 4mm	1/2FT3 1/2x3	1/2FT3 1/2x3-SS	1/2FT3 1/2x3-316SS	1/2FT3 1/2x3-NP	1 1/32	15/16	1 9/16
.170	1/2FT4x3	1/2FT4x3-SS	1/2FT4x3-316SS	1/2FT4x3-NP	1	15/16	1 5/8
3/16	1/2FT5x3	1/2FT5x3-SS	1/2FT5x3-316SS	1/2FT5x3-NP	1 1/16	15/16	1 11/16
7/32	1/2FT5 1/2x3	1/2FT5 1/2x3-SS	1/2FT5 1/2x3-316SS	1/2FT5 1/2x3-NP	1 1/8	15/16	1 11/16
6mm	1/2FT5 3/4x3	1/2FT5 3/4x3-SS	1/2FT5 3/4x3-316SS	1/2FT5 3/4x3-NP	1 3/16	15/16	1 15/16
1/4	1/2FT6x3	1/2FT6x3-SS	1/2FT6x3-316SS	1/2FT6x3-NP	1 3/16	15/16	1 15/16
5/16 / 8mm	1/2FT7x3	1/2FT7x3-SS	1/2FT7x3-316SS	1/2FT7x3-NP	1 5/16	15/16	2 3/16
3/8	1/2FT8x3	1/2FT8x3-SS	1/2FT8x3-316SS	1/2FT8x3-NP	1 1/4	15/16	2
1/2	1/2FT10x3	1/2FT10x3-SS	1/2FT10x3-316SS	1/2FT10x3-NP	***Consult Factory***		
5/8	1/2FT11x3	1/2FT11x3-SS	1/2FT11x3-316SS	1/2FT11x3-NP	***Consult Factory***		
3/4	1/2FT12x3	1/2FT12x3-SS	1/2FT12x3-316SS	1/2FT12x3-NP	***Consult Factory***		

1/2 NPT Female Thread to Tube Reducing Tees x 3 — 631





1/2FRT5-3-3



1/2FRT5-6-3

Tube ID	Branches: Branch Number	Dimensions (Reference): A Ref.	B Typ.	C Ref.	D Ref.
1/16	1	29/32	15/16	11/16	11/16
5/64 / 2mm	2	29/32	15/16	11/16	11/16
3/32	2 1/2	29/32	15/16	11/16	11/16
1/8	3	1	15/16	25/32	25/32
5/32 / 4mm	3 1/2	1 1/32	15/16	25/32	25/32
.170	4	1	15/16	13/16	13/16
3/16	5	1 1/16	15/16	27/32	27/32
7/32	5 1/2	1 1/8	15/16	27/32	27/32

Tube ID	Branches: Branch Number	Dimensions (Reference): A Ref.	B Typ.	C Ref.	D Ref.
6mm	5 3/4	1 15/16	15/16	31/32	31/32
1/4	6	1 15/16	15/16	31/32	31/32
5/16 / 8mm	7	2 3/16	15/16	1 3/32	1 3/32
3/8	8	2	15/16	1	1
1/2	10	***Consult Factory***			
5/8	11	***Consult Factory***			
3/4	12	***Consult Factory***			

Note: *Dimensions may vary at time of manufacturing and according to branch options chosen. Consult factory for details.*

Part Numbers for 1/2 NPT Female Thread to Tube Reducing Tees x 3:

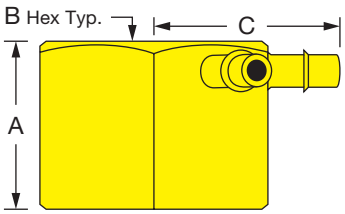
Thread Size → **1/2** — Fitting Series → **FRT** — **#** (9 O'clock Branch #) **-** **#** (12 O'clock Branch #) **-** **#** (3 O'clock Branch #)

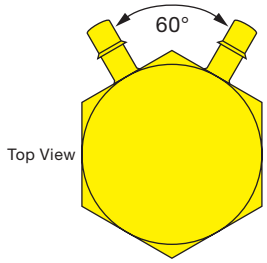
Unless otherwise specified, parts will be Brass. To order other materials, use the following codes:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

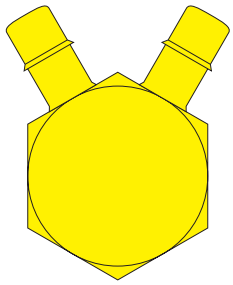
Smaller branch sizes are available! Lead times & minimum quantities apply! Consult factory for details!

632 — 1/2 NPT Female Thread to Tube V-Tees

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	1/2FLT1	1/2FLT1-SS	1/2FLT1-316SS	1/2FLT1-NP	11/16	15/16	11/16
5/64 / 2mm	1/2FLT2	1/2FLT2-SS	1/2FLT2-316SS	1/2FLT2-NP	11/16	15/16	11/16
3/32	1/2FLT2 1/2	1/2FLT2 1/2-SS	1/2FLT2 1/2-316SS	1/2FLT2 1/2-NP	11/16	15/16	11/16
1/8	1/2FLT3	1/2FLT3-SS	1/2FLT3-316SS	1/2FLT3-NP	11/16	15/16	25/32
5/32 / 4mm	1/2FLT3 1/2	1/2FLT3 1/2-SS	1/2FLT3 1/2-316SS	1/2FLT3 1/2-NP	11/16	15/16	25/32
.170	1/2FLT4	1/2FLT4-SS	1/2FLT4-316SS	1/2FLT4-NP	11/16	15/16	13/16
3/16	1/2FLT5	1/2FLT5-SS	1/2FLT5-316SS	1/2FLT5-NP	11/16	15/16	27/32
7/32	1/2FLT5 1/2	1/2FLT5 1/2-SS	1/2FLT5 1/2-316SS	1/2FLT5 1/2-NP	11/16	15/16	27/32
6mm	1/2FLT5 3/4	1/2FLT5 3/4-SS	1/2FLT5 3/4-316SS	1/2FLT5 3/4-NP	11/16	15/16	31/32
1/4	1/2FLT6	1/2FLT6-SS	1/2FLT6-316SS	1/2FLT6-NP	11/16	15/16	31/32
5/16 / 8mm	1/2FLT7	1/2FLT7-SS	1/2FLT7-316SS	1/2FLT7-NP	11/16	15/16	1 3/32
3/8	1/2FLT8	1/2FLT8-SS	1/2FLT8-316SS	1/2FLT8-NP	11/16	15/16	1
1/2	1/2FLT10	1/2FLT10-SS	1/2FLT10-316SS	1/2FLT10-NP	Consult Factory		
5/8	1/2FLT11	1/2FLT11-SS	1/2FLT11-316SS	1/2FLT11-NP	Consult Factory		
3/4	1/2FLT12	1/2FLT12-SS	1/2FLT12-316SS	1/2FLT12-NP	Consult Factory		







1/2FVT6

Smaller branch sizes are available! Lead times & minimum quantities apply! Consult factory for details!

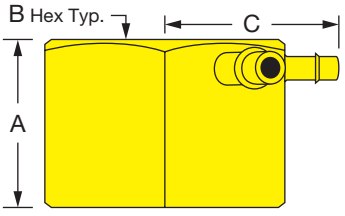
Note: *Images are for visual representation only; not intended for dimensional measurements.*

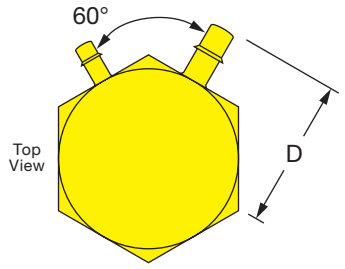
633 — 1/2 NPT Female Thread to Tube Reducing Left-Hand V-Tees

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/16	1	11/16	15/16	11/16	11/16
5/64 / 2mm	2	11/16	15/16	11/16	11/16
3/32	2 1/2	11/16	15/16	11/16	11/16
1/8	3	11/16	15/16	25/32	25/32
5/32 / 4mm	3 1/2	11/16	15/16	25/32	25/32
.170	4	11/16	15/16	13/16	13/16
3/16	5	11/16	15/16	27/32	27/32
7/32	5 1/2	11/16	15/16	27/32	27/32

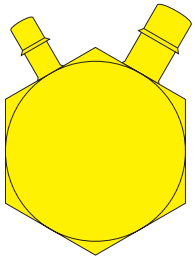
Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
6mm	5 3/4	11/16	15/16	31/32	31/32
1/4	6	11/16	15/16	31/32	31/32
5/16 / 8mm	7	11/16	15/16	1 3/32	1 3/32
3/8	8	11/16	15/16	1	1
1/2	10	Consult Factory			
5/8	11	Consult Factory			
3/4	12	Consult Factory			

Note: *Images are for visual representation only. Dimensions may vary at time of manufacturing and according to options chosen.*





Top View: *Left-hand Reducing V-Tees have the (smaller) Reducing Branch on the left.*



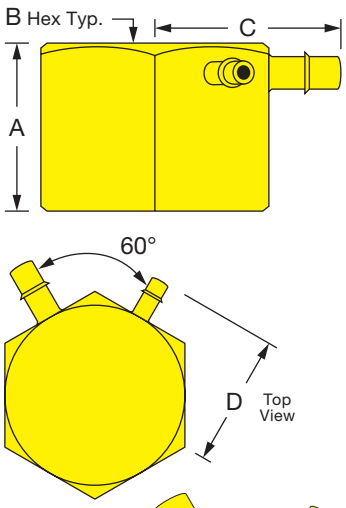
1/2FRVT5-3-LH

Part Numbers for 1/2 NPT Female Thread to Tube Reducing Left-Hand V-Tees:

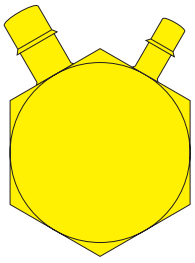
Thread Size → **1/2** (Fitting Series) **FRVT** **#** (Larger Branch #) **-** **#** (Smaller Branch #) **-** **LH** ← Left-Hand Indicator

Unless otherwise specified, parts will be Brass. To order other materials, use the following codes:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

1/2 NPT Female Thread to Tube Reducing Right-Hand V-Tees 634



Top View: *Right-hand Reducing V-Tees have the (smaller) Reducing Branch on the right.*



1/2FRVT5-3-RH

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/16	1	11/16	15/16	11/16	11/16
5/64 / 2mm	2	11/16	15/16	11/16	11/16
3/32	2 1/2	11/16	15/16	11/16	11/16
1/8	3	11/16	15/16	25/32	25/32
5/32 / 4mm	3 1/2	11/16	15/16	25/32	25/32
.170	4	11/16	15/16	13/16	13/16
3/16	5	11/16	15/16	27/32	27/32
7/32	5 1/2	11/16	15/16	27/32	27/32

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
6mm	5 3/4	11/16	15/16	31/32	31/32
1/4	6	11/16	15/16	31/32	31/32
5/16 / 8mm	7	11/16	15/16	1 3/32	1 3/32
3/8	8	11/16	15/16	1	1
1/2	10	Consult Factory			
5/8	11	Consult Factory			
3/4	12	Consult Factory			

Note: *Dimensions may vary at time of manufacturing and according to branch options chosen. Consult factory for details.*

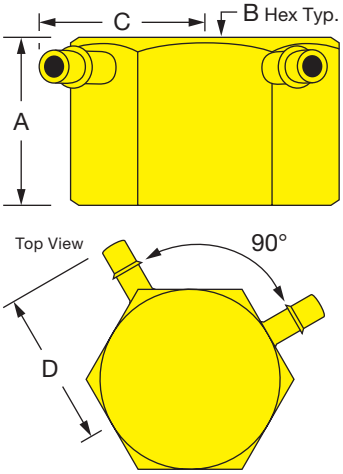
Part Numbers for 1/2 NPT Female Thread to Tube Reducing Right-Hand V-Tees:

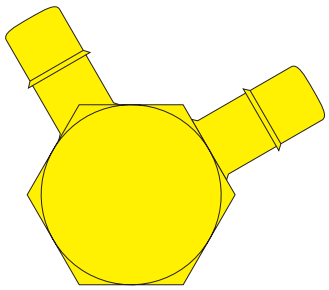
Thread Size → **1/2** **FRVT** **#** - **#** - **RH** ← Right-Hand Indicator

Fitting Series ↑ Larger Branch # ↑ Smaller Branch #

Unless otherwise specified, parts will be Brass. To order other materials, use the following codes:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

1/2 NPT Female Thread to Tube 90° V-Tees 635





1/2FVT7-90°

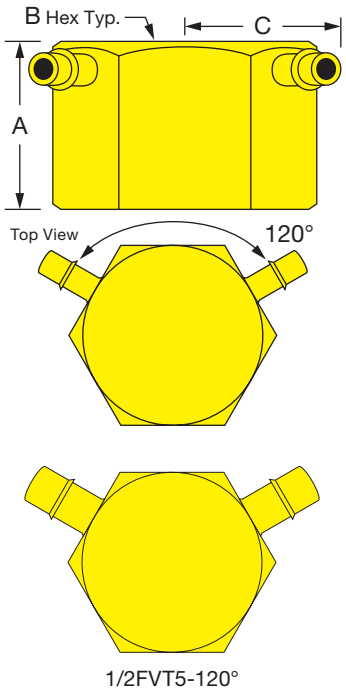
Tube ID	Part Numbers				Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/16	1/2FVT1-90°	1/2FVT1-90°-SS	1/2FVT1-90°-316SS	1/2FVT1-90°-NP	11/16	15/16	11/16	Consult Factory
5/64 / 2mm	1/2FVT2-90°	1/2FVT2-90°-SS	1/2FVT2-90°-316SS	1/2FVT2-90°-NP	11/16	15/16	11/16	Consult Factory
3/32	1/2FVT2 1/2-90°	1/2FVT2 1/2-90°-SS	1/2FVT2 1/2-90°-316SS	1/2FVT2 1/2-90°-NP	11/16	15/16	11/16	Consult Factory
1/8	1/2FVT3-90°	1/2FVT3-90°-SS	1/2FVT3-90°-316SS	1/2FVT3-90°-NP	11/16	15/16	25/32	Consult Factory
5/32 / 4mm	1/2FVT3 1/2-90°	1/2FVT3 1/2-90°-SS	1/2FVT3 1/2-90°-316SS	1/2FVT3 1/2-90°-NP	11/16	15/16	25/32	Consult Factory
.170	1/2FVT4-90°	1/2FVT4-90°-SS	1/2FVT4-90°-316SS	1/2FVT4-90°-NP	11/16	15/16	13/16	Consult Factory
3/16	1/2FVT5-90°	1/2FVT5-90°-SS	1/2FVT5-90°-316SS	1/2FVT5-90°-NP	11/16	15/16	27/32	Consult Factory
7/32	1/2FVT5 1/2-90°	1/2FVT5 1/2-90°-SS	1/2FVT5 1/2-90°-316SS	1/2FVT5 1/2-90°-NP	11/16	15/16	27/32	Consult Factory
6mm	1/2FVT5 3/4-90°	1/2FVT5 3/4-90°-SS	1/2FVT5 3/4-90°-316SS	1/2FVT5 3/4-90°-NP	11/16	15/16	31/32	Consult Factory
1/4	1/2FVT6-90°	1/2FVT6-90°-SS	1/2FVT6-90°-316SS	1/2FVT6-90°-NP	11/16	15/16	31/32	Consult Factory
5/16 / 8mm	1/2FVT7-90°	1/2FVT7-90°-SS	1/2FVT7-90°-316SS	1/2FVT7-90°-NP	11/16	15/16	1 3/32	Consult Factory
3/8	1/2FVT8-90°	1/2FVT8-90°-SS	1/2FVT8-90°-316SS	1/2FVT8-90°-NP	11/16	15/16	1	Consult Factory
1/2	1/2FVT10-90°	1/2FVT10-90°-SS	1/2FVT10-90°-316SS	1/2FVT10-90°-NP	Consult Factory			
5/8	1/2FVT11-90°	1/2FVT11-90°-SS	1/2FVT11-90°-316SS	1/2FVT11-90°-NP	Consult Factory			
3/4	1/2FVT12-90°	1/2FVT12-90°-SS	1/2FVT12-90°-316SS	1/2FVT12-90°-NP	Consult Factory			

Note: *Images are for visual representation only. Dimensions may vary at time of manufacturing.*

Note: for systems that do not allow the degree symbol (°) to be used, substitute it with 'DEG' in the part number.

636 — 1/2 NPT Female Thread to Tube 120° V-Tees

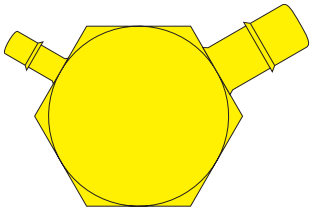
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	1/2FVT1-120°	1/2FVT1-120°-SS	1/2FVT1-120°-316SS	1/2FVT1-120°-NP	11/16	15/16	11/16
5/64 / 2mm	1/2FVT2-120°	1/2FVT2-120°-SS	1/2FVT2-120°-316SS	1/2FVT2-120°-NP	11/16	15/16	11/16
3/32	1/2FVT2 1/2-120°	1/2FVT2 1/2-120°-SS	1/2FVT2 1/2-120°-316SS	1/2FVT2 1/2-120°-NP	11/16	15/16	11/16
1/8	1/2FVT3-120°	1/2FVT3-120°-SS	1/2FVT3-120°-316SS	1/2FVT3-120°-NP	11/16	15/16	25/32
5/32 / 4mm	1/2FVT3 1/2-120°	1/2FVT3 1/2-120°-SS	1/2FVT3 1/2-120°-316SS	1/2FVT3 1/2-120°-NP	11/16	15/16	25/32
.170	1/2FVT4-120°	1/2FVT4-120°-SS	1/2FVT4-120°-316SS	1/2FVT4-120°-NP	11/16	15/16	13/16
3/16	1/2FVT5-120°	1/2FVT5-120°-SS	1/2FVT5-120°-316SS	1/2FVT5-120°-NP	11/16	15/16	27/32
7/32	1/2FVT5 1/2-120°	1/2FVT5 1/2-120°-SS	1/2FVT5 1/2-120°-316SS	1/2FVT5 1/2-120°-NP	11/16	15/16	27/32
6mm	1/2FVT5 3/4-120°	1/2FVT5 3/4-120°-SS	1/2FVT5 3/4-120°-316SS	1/2FVT5 3/4-120°-NP	11/16	15/16	31/32
1/4	1/2FVT6-120°	1/2FVT6-120°-SS	1/2FVT6-120°-316SS	1/2FVT6-120°-NP	11/16	15/16	31/32
5/16 / 8mm	1/2FVT7-120°	1/2FVT7-120°-SS	1/2FVT7-120°-316SS	1/2FVT7-120°-NP	11/16	15/16	1 3/32
3/8	1/2FVT8-120°	1/2FVT8-120°-SS	1/2FVT8-120°-316SS	1/2FVT8-120°-NP	11/16	15/16	1
1/2	1/2FVT10-120°	1/2FVT10-120°-SS	1/2FVT10-120°-316SS	1/2FVT10-120°-NP	Consult Factory		
5/8	1/2FVT11-120°	1/2FVT11-120°-SS	1/2FVT11-120°-316SS	1/2FVT11-120°-NP	Consult Factory		
3/4	1/2FVT12-120°	1/2FVT12-120°-SS	1/2FVT12-120°-316SS	1/2FVT12-120°-NP	Consult Factory		



1/2FVT5-120°

Note: for systems that do not allow the degree symbol (°) to be used, it can be substituted with 'DEG' in the part number.

1/2 NPT Female Thread to Tube 90° & 120° Reducing V-Tees available! Lead times apply! Consult factory for details!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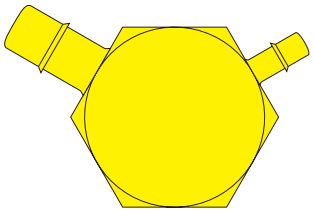
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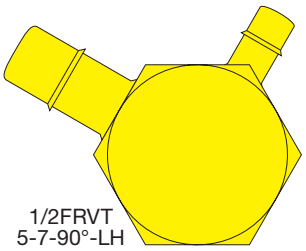
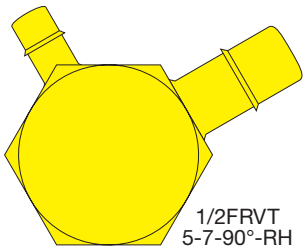
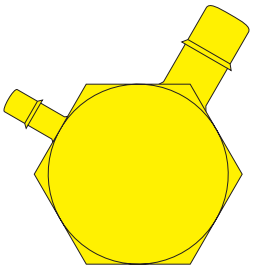
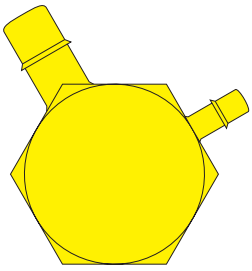
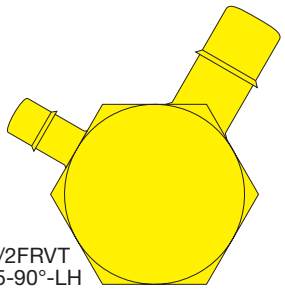
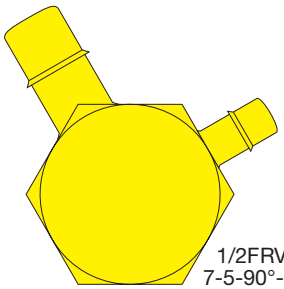

1/2FRVT 5-7-90°-LH

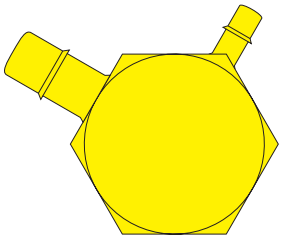

1/2FRVT 5-7-90°-RH

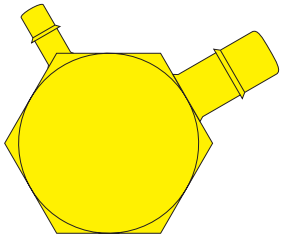

1/2FRVT6-3-90°-LH

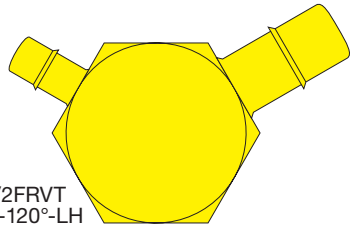

1/2FRVT6-3-90°-RH

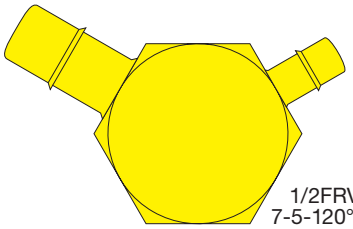

1/2FRVT 7-5-90°-LH


1/2FRVT 7-5-90°-RH

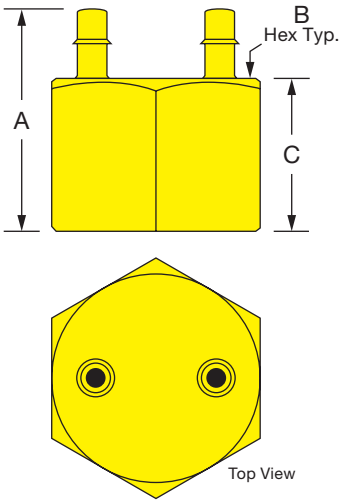

1/2FRVT3-6-90°-LH


1/2FRVT3-6-90°-RH


1/2FRVT 7-5-120°-LH


1/2FRVT 7-5-120°-RH

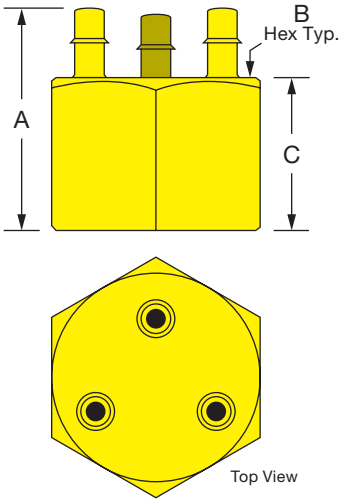
1/2 NPT Female Straight Manifolds with 2 Branches 637



For other branch locations, use the template on page 353!

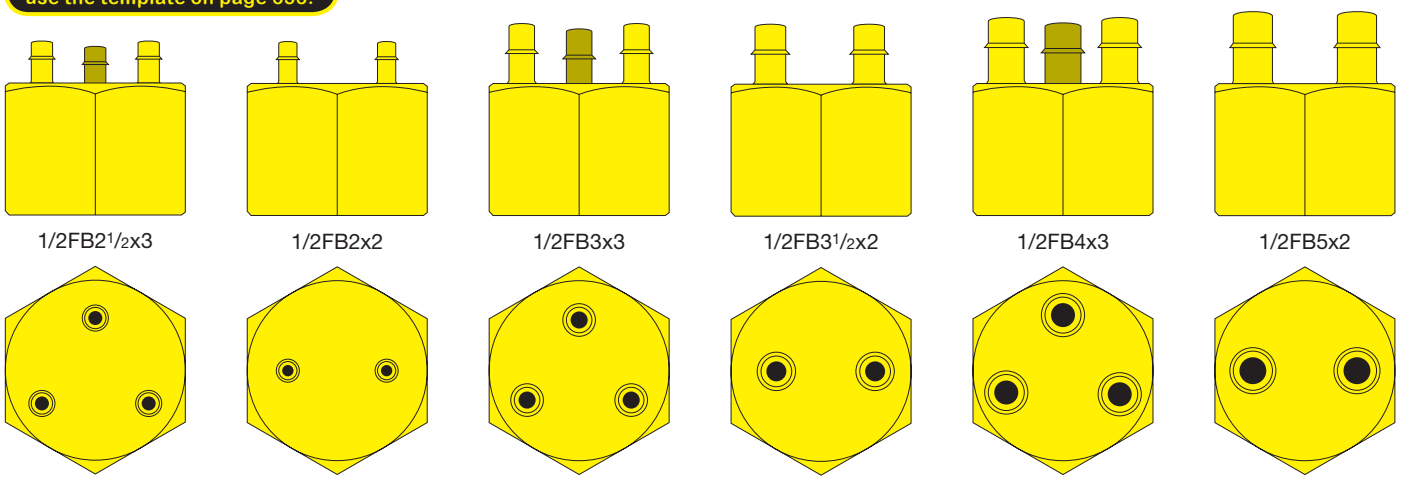
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	1/2FB1x2	1/2FB1x2-SS	1/2FB1x2-316SS	1/2FB1x2-NP	29/32	15/16	11/16
5/64 / 2mm	1/2FB2x2	1/2FB2x2-SS	1/2FB2x2-316SS	1/2FB2x2-NP	29/32	15/16	11/16
3/32	1/2FB2 1/2x2	1/2FB2 1/2x2-SS	1/2FB2 1/2x2-316SS	1/2FB2 1/2x2-NP	29/32	15/16	11/16
1/8	1/2FB3x2	1/2FB3x2-SS	1/2FB3x2-316SS	1/2FB3x2-NP	1	15/16	11/16
5/32 / 4mm	1/2FB3 1/2x2	1/2FB3 1/2x2-SS	1/2FB3 1/2x2-316SS	1/2FB3 1/2x2-NP	1	15/16	11/16
.170	1/2FB4x2	1/2FB4x2-SS	1/2FB4x2-316SS	1/2FB4x2-NP	1 1/32	15/16	11/16
3/16	1/2FB5x2	1/2FB5x2-SS	1/2FB5x2-316SS	1/2FB5x2-NP	1 1/16	15/16	11/16
7/32	1/2FB5 1/2x2	1/2FB5 1/2x2-SS	1/2FB5 1/2x2-316SS	1/2FB5 1/2x2-NP	1 1/16	15/16	11/16
6mm	1/2FB5 3/4x2	1/2FB5 3/4x2-SS	1/2FB5 3/4x2-316SS	1/2FB5 3/4x2-NP	1 3/16	15/16	11/16
1/4	1/2FB6x2	1/2FB6x2-SS	1/2FB6x2-316SS	1/2FB6x2-NP	1 3/16	15/16	11/16
5/16 / 8mm	1/2FB7x2	1/2FB7x2-SS	1/2FB7x2-316SS	1/2FB7x2-NP	1 5/16	15/16	11/16

1/2 NPT Female Straight Manifolds with 3 Branches 638



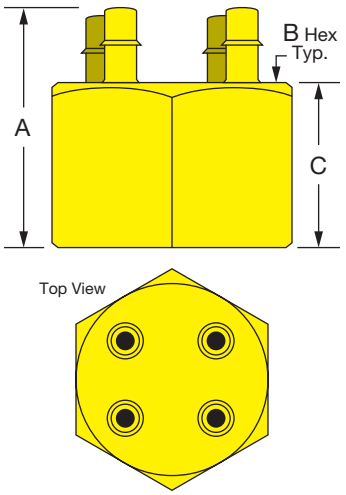
For other branch locations, use the template on page 353!

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	1/2FB1x3	1/2FB1x3-SS	1/2FB1x3-316SS	1/2FB1x3-NP	29/32	15/16	11/16
5/64 / 2mm	1/2FB2x3	1/2FB2x3-SS	1/2FB2x3-316SS	1/2FB2x3-NP	29/32	15/16	11/16
3/32	1/2FB2 1/2x3	1/2FB2 1/2x3-SS	1/2FB2 1/2x3-316SS	1/2FB2 1/2x3-NP	29/32	15/16	11/16
1/8	1/2FB3x3	1/2FB3x3-SS	1/2FB3x3-316SS	1/2FB3x3-NP	1	15/16	11/16
5/32 / 4mm	1/2FB3 1/2x3	1/2FB3 1/2x3-SS	1/2FB3 1/2x3-316SS	1/2FB3 1/2x3-NP	1	15/16	11/16
.170	1/2FB4x3	1/2FB4x3-SS	1/2FB4x3-316SS	1/2FB4x3-NP	1 1/32	15/16	11/16
3/16	1/2FB5x3	1/2FB5x3-SS	1/2FB5x3-316SS	1/2FB5x3-NP	1 1/16	15/16	11/16
7/32	1/2FB5 1/2x3	1/2FB5 1/2x3-SS	1/2FB5 1/2x3-316SS	1/2FB5 1/2x3-NP	1 1/16	15/16	11/16
6mm	1/2FB5 3/4x3	1/2FB5 3/4x3-SS	1/2FB5 3/4x3-316SS	1/2FB5 3/4x3-NP	1 3/16	15/16	11/16
1/4	1/2FB6x3	1/2FB6x3-SS	1/2FB6x3-316SS	1/2FB6x3-NP	1 3/16	15/16	11/16



639 1/2 NPT Female Straight Manifolds with 4 Branches

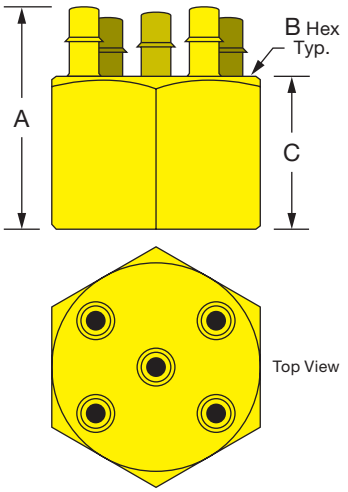
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	1/2FB1x4	1/2FB1x4-SS	1/2FB1x4-316SS	1/2FB1x4-NP	29/32	15/16	11/16
5/64 / 2mm	1/2FB2x4	1/2FB2x4-SS	1/2FB2x4-316SS	1/2FB2x4-NP	29/32	15/16	11/16
3/32	1/2FB2 1/2x4	1/2FB2 1/2x4-SS	1/2FB2 1/2x4-316SS	1/2FB2 1/2x4-NP	29/32	15/16	11/16
1/8	1/2FB3x4	1/2FB3x4-SS	1/2FB3x4-316SS	1/2FB3x4-NP	1	15/16	11/16
5/32 / 4mm	1/2FB3 1/2x4	1/2FB3 1/2x4-SS	1/2FB3 1/2x4-316SS	1/2FB3 1/2x4-NP	1	15/16	11/16
.170	1/2FB4x4	1/2FB4x4-SS	1/2FB4x4-316SS	1/2FB4x4-NP	1 1/32	15/16	11/16
3/16	1/2FB5x4	1/2FB5x4-SS	1/2FB5x4-316SS	1/2FB5x4-NP	1 1/16	15/16	11/16
7/32	1/2FB5 1/2x4	1/2FB5 1/2x4-SS	1/2FB5 1/2x4-316SS	1/2FB5 1/2x4-NP	1 1/16	15/16	11/16
6mm	1/2FB5 3/4x4	1/2FB5 3/4x4-SS	1/2FB5 3/4x4-316SS	1/2FB5 3/4x4-NP	1 3/16	15/16	11/16
1/4	1/2FB6x4	1/2FB6x4-SS	1/2FB6x4-316SS	1/2FB6x4-NP	1 3/16	15/16	11/16

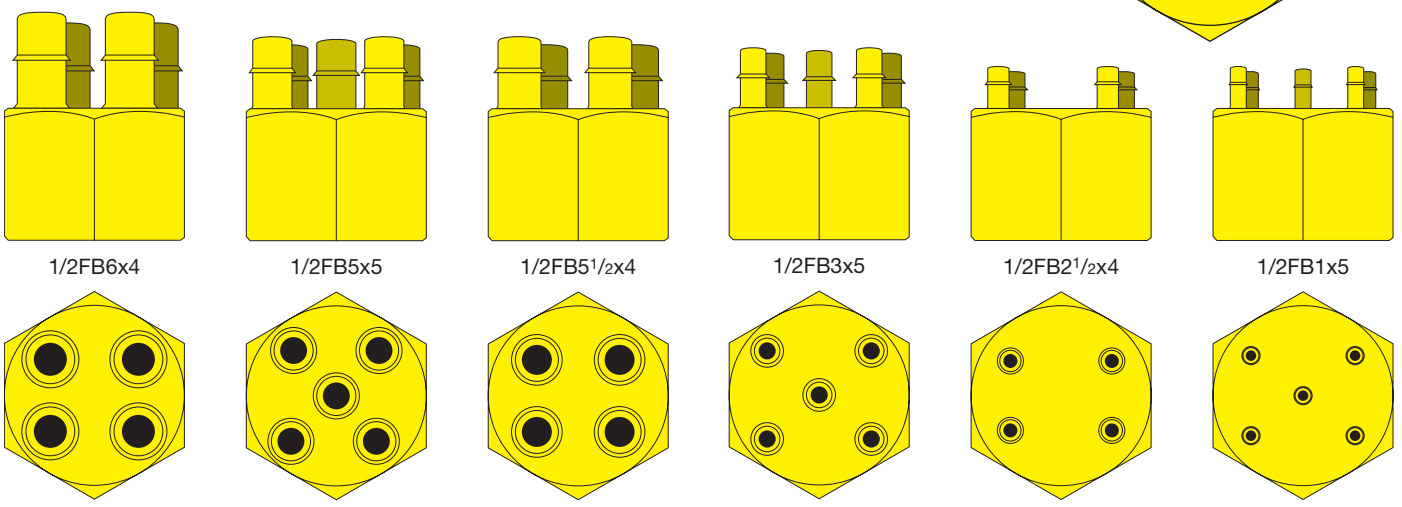


Note: *Images are for visual representation only. Dimensions may vary at time of manufacturing.*

640 1/2 NPT Female Straight Manifolds with 5 Branches

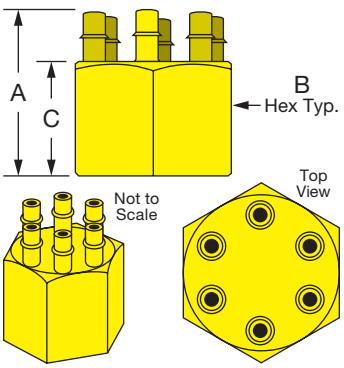
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	1/2FB1x5	1/2FB1x5-SS	1/2FB1x5-316SS	1/2FB1x5-NP	29/32	15/16	11/16
5/64 / 2mm	1/2FB2x5	1/2FB2x5-SS	1/2FB2x5-316SS	1/2FB2x5-NP	29/32	15/16	11/16
3/32	1/2FB2 1/2x5	1/2FB2 1/2x5-SS	1/2FB2 1/2x5-316SS	1/2FB2 1/2x5-NP	29/32	15/16	11/16
1/8	1/2FB3x5	1/2FB3x5-SS	1/2FB3x5-316SS	1/2FB3x5-NP	1	15/16	11/16
5/32 / 4mm	1/2FB3 1/2x5	1/2FB3 1/2x5-SS	1/2FB3 1/2x5-316SS	1/2FB3 1/2x5-NP	1	15/16	11/16
.170	1/2FB4x5	1/2FB4x5-SS	1/2FB4x5-316SS	1/2FB4x5-NP	1 1/32	15/16	11/16
3/16	1/2FB5x5	1/2FB5x5-SS	1/2FB5x5-316SS	1/2FB5x5-NP	1 1/16	15/16	11/16





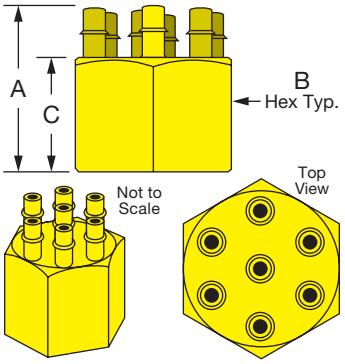
Customize your Female Straight Manifolds with alternate Branch locations!! Use the Template on page 353 to indicate Branch sizes and placement! Lead times and minimum quantities may apply! Consult factory for details!

1/2 NPT Female Straight Manifolds with 6 Branches — 641



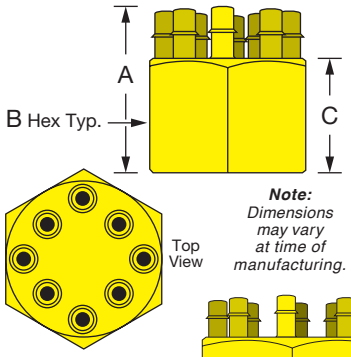
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	1/2FB1x6	1/2FB1x6-SS	1/2FB1x6-316SS	1/2FB1x6-NP	29/32	15/16	11/16
5/64 / 2mm	1/2FB2x6	1/2FB2x6-SS	1/2FB2x6-316SS	1/2FB2x6-NP	29/32	15/16	11/16
3/32	1/2FB2 1/2x6	1/2FB2 1/2x6-SS	1/2FB2 1/2x6-316SS	1/2FB2 1/2x6-NP	29/32	15/16	11/16
1/8	1/2FB3x6	1/2FB3x6-SS	1/2FB3x6-316SS	1/2FB3x6-NP	1	15/16	11/16
5/32 / 4mm	1/2FB3 1/2x6	1/2FB3 1/2x6-SS	1/2FB3 1/2x6-316SS	1/2FB3 1/2x6-NP	1	15/16	11/16
.170	1/2FB4x6	1/2FB4x6-SS	1/2FB4x6-316SS	1/2FB4x6-NP	1 1/32	15/16	11/16

1/2 NPT Female Straight Manifolds with 7 Branches — 642



Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	1/2FB1x7	1/2FB1x7-SS	1/2FB1x7-316SS	1/2FB1x7-NP	29/32	15/16	11/16
5/64 / 2mm	1/2FB2x7	1/2FB2x7-SS	1/2FB2x7-316SS	1/2FB2x7-NP	29/32	15/16	11/16
3/32	1/2FB2 1/2x7	1/2FB2 1/2x7-SS	1/2FB2 1/2x7-316SS	1/2FB2 1/2x7-NP	29/32	15/16	11/16
1/8	1/2FB3x7	1/2FB3x7-SS	1/2FB3x7-316SS	1/2FB3x7-NP	1	15/16	11/16
5/32 / 4mm	1/2FB3 1/2x7	1/2FB3 1/2x7-SS	1/2FB3 1/2x7-316SS	1/2FB3 1/2x7-NP	1	15/16	11/16
.170	1/2FB4x7	1/2FB4x7-SS	1/2FB4x7-316SS	1/2FB4x7-NP	1 1/32	15/16	11/16

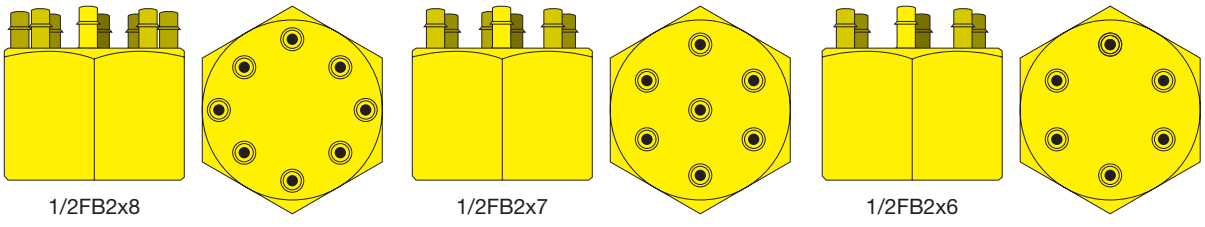
1/2 NPT Female Straight Manifolds with 8 Branches — 643



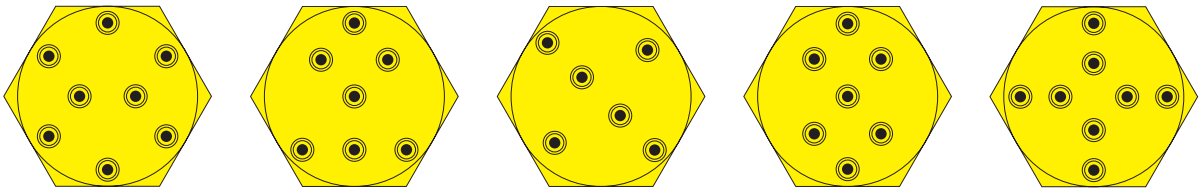
Note: *Dimensions may vary at time of manufacturing.*

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	1/2FB1x8	1/2FB1x8-SS	1/2FB1x8-316SS	1/2FB1x8-NP	29/32	15/16	11/16
5/64 / 2mm	1/2FB2x8	1/2FB2x8-SS	1/2FB2x8-316SS	1/2FB2x8-NP	29/32	15/16	11/16
3/32	1/2FB2 1/2x8	1/2FB2 1/2x8-SS	1/2FB2 1/2x8-316SS	1/2FB2 1/2x8-NP	29/32	15/16	11/16
1/8	1/2FB3x8	1/2FB3x8-SS	1/2FB3x8-316SS	1/2FB3x8-NP	1	15/16	11/16

Smaller Branch sizes available! Consult factory for details!



Use the template on page 353 for custom branch locations! Consult factory for details!

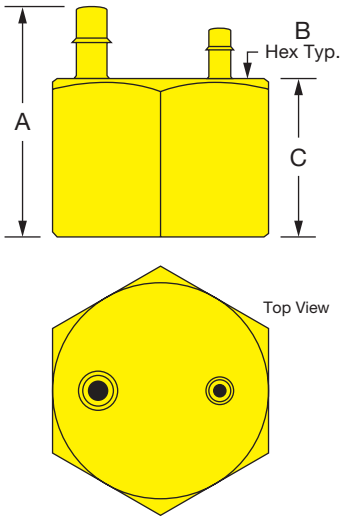


644 1/2 NPT Female Straight Reducing Manifolds with 2 Branches

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/16	1	29/32	15/16	11/16
5/64 / 2mm	2	29/32	15/16	11/16
3/32	2 1/2	29/32	15/16	11/16
1/8	3	1	15/16	11/16
5/32 / 4mm	3 1/2	1	15/16	11/16
.170	4	1 1/32	15/16	11/16

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
3/16	5	1 1/16	15/16	11/16
7/32	5 1/2	1 1/16	15/16	11/16
6mm	5 3/4	1 3/16	15/16	11/16
1/4	6	1 3/16	15/16	11/16
5/16 / 8mm	7	1 5/16	15/16	11/16

Material options are listed below!



Part Numbers for 1/2 NPT Female Thread Reducing Manifolds with 2 Branches:

Thread Size → 1/2 | FB | # | - | # ← Smaller Branch #

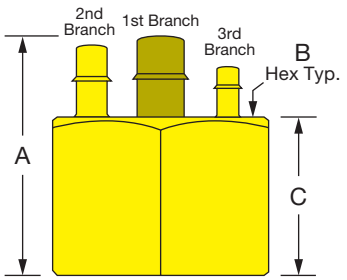
Fitting Series ↑ FB

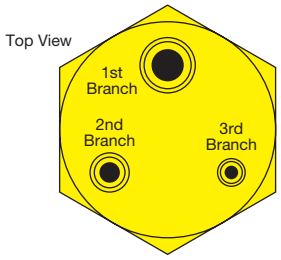
Larger Branch # ↑ #

645 1/2 NPT Female Straight Reducing Manifolds with 3 Branches

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/16	1	29/32	15/16	11/16
5/64 / 2mm	2	29/32	15/16	11/16
3/32	2 1/2	29/32	15/16	11/16
1/8	3	1	15/16	11/16
5/32 / 4mm	3 1/2	1	15/16	11/16

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
.170	4	1 1/32	15/16	11/16
3/16	5	1 1/16	15/16	11/16
7/32	5 1/2	1 1/16	15/16	11/16
6mm	5 3/4	1 3/16	15/16	11/16
1/4	6	1 3/16	15/16	11/16





Part Numbers for 1/2 NPT Female Thread Reducing Manifolds with 3 Branches:

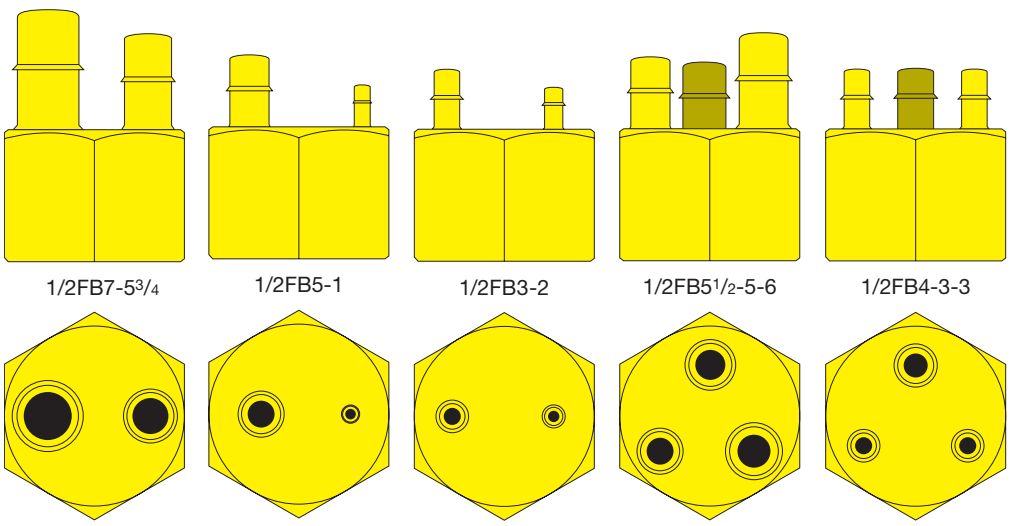
Thread Size → 1/2 | FB | # | - | # | - | # ← 3rd Branch #

Fitting Series ↑ FB

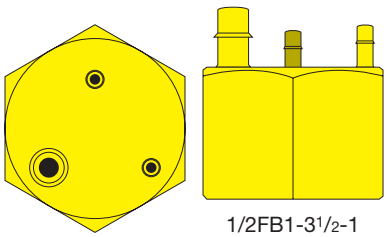
1st Branch # ↑ #

2nd Branch # ↑ #

Unless otherwise specified, parts will be Brass. To order other materials, use the following codes:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

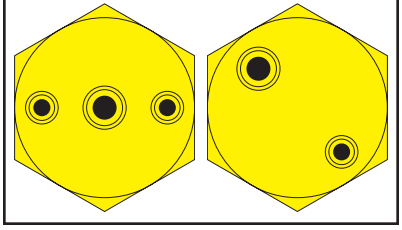


1/2FB7-5 3/4 | 1/2FB5-1 | 1/2FB3-2 | 1/2FB5 1/2-5-6 | 1/2FB4-3-3

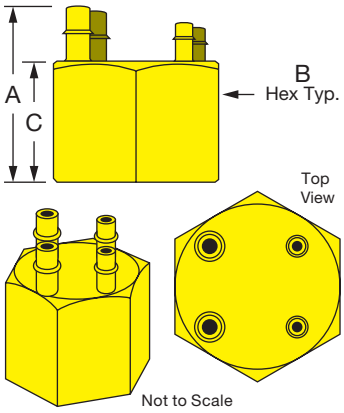


1/2FB1-3 1/2-1

See page 353 for custom options!



1/2 NPT Female Straight Reducing Manifolds with 4 Branches — 646



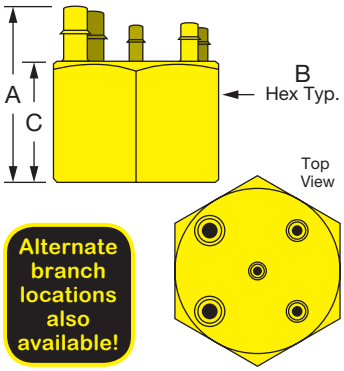
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/16	1	29/32	15/16	11/16
5/64 / 2mm	2	29/32	15/16	11/16
3/32	2 1/2	29/32	15/16	11/16
1/8	3	1	15/16	11/16
5/32 / 4mm	3 1/2	1	15/16	11/16

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
.170	4	1 1/32	15/16	11/16
3/16	5	1 1/16	15/16	11/16
7/32	5 1/2	1 1/16	15/16	11/16
6mm	5 3/4	1 3/16	15/16	11/16
1/4	6	1 3/16	15/16	11/16

Use the template on page 353 to show branch sizes & locations!

Material options on next page!

1/2 NPT Female Thread to Tube Manifolds with 5 Branches — 647



Alternate branch locations also available!

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/16	1	29/32	15/16	11/16
5/64 / 2mm	2	29/32	15/16	11/16
3/32	2 1/2	29/32	15/16	11/16
1/8	3	1	15/16	11/16

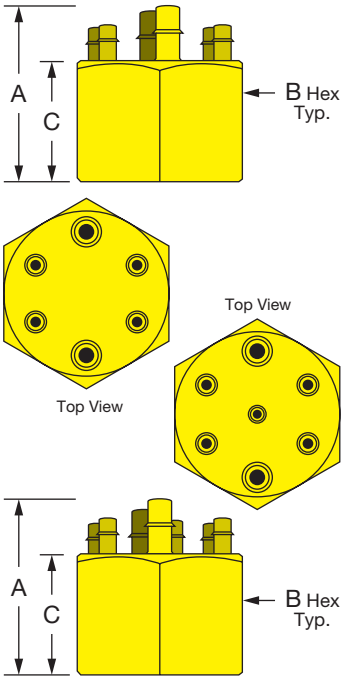
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
5/32 / 4mm	3 1/2	1	15/16	11/16
.170	4	1 1/32	15/16	11/16
3/16	5	1 1/16	15/16	11/16

Other branch sizes available! Consult factory!

Use the template on page 353 to show branch sizes & locations! Lead times and mimimum quatities apply! Consult factory for details!

Material options are listed on the next page!

1/2 NPT Female Thread to Tube Manifolds with 6 or 7 Branches — 648



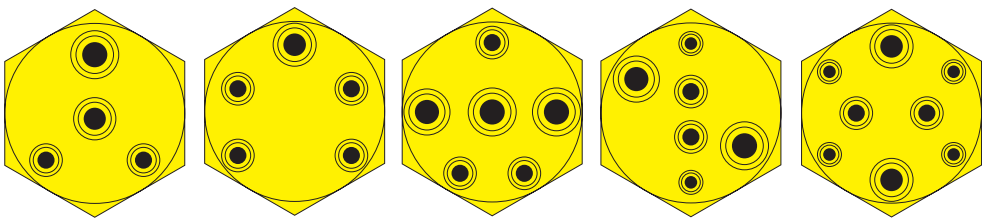
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/16	1	29/32	15/16	11/16
5/64 / 2mm	2	29/32	15/16	11/16
3/32	2 1/2	29/32	15/16	11/16

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/8	3	1	15/16	11/16
5/32 / 4mm	3 1/2	1	15/16	11/16
.170	4	1 1/32	15/16	11/16

Use the template on page 353 to show branch sizes & locations!

Material options on next page!

Customize your Straight Reducing Manifolds! We offer a variety of options available!

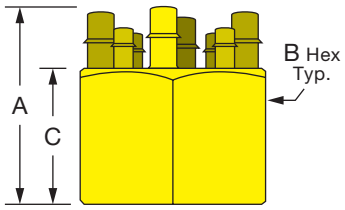


Use the template on page 353 to indicate branch sizes and locations! Consult factory!

649 1/2 NPT Female Thread to Tube Manifolds with 8 Branches

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/16	1	29/32	15/16	11/16
5/64 / 2mm	2	29/32	15/16	11/16

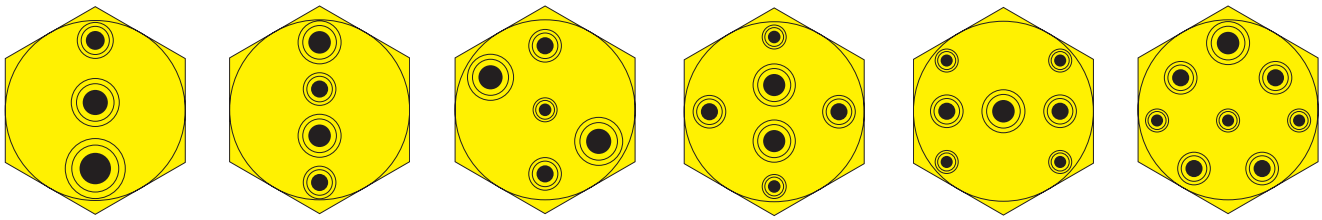
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
3/32	2 1/2	29/32	15/16	11/16
1/8	3	1	15/16	11/16



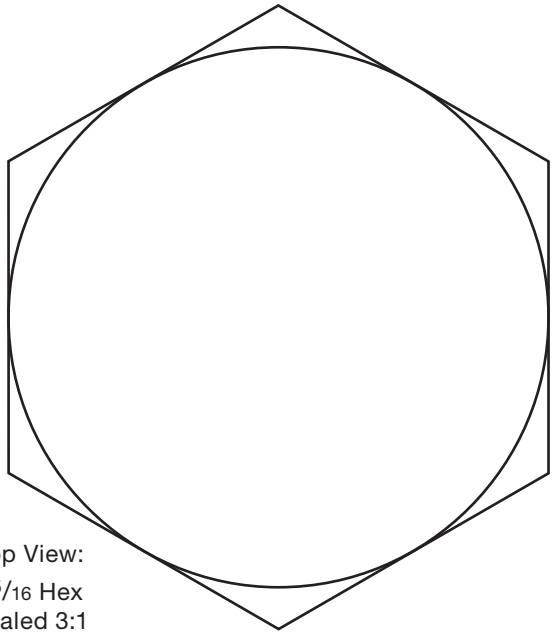
Unless otherwise specified, parts will be Brass. To order other materials, use the following codes:
-SS = Stainless Steel 303 **-316SS** = Stainless Steel 316 **-NP** = Electroless Nickel Plate

Use the template below to show branch sizes & placement!

We offer a wide variety of Manifold options! Use the template below to customize your Straight Reducing Manifolds!



1/2 NPT Female Thread Straight Manifold Template for Branch Sizes and Locations



Top View:
15/16 Hex
Scaled 3:1

To Use:

Indicate the desired location of each branch by writing the numbers 1 through 8 (1 = 1st Branch, etc.) on the hex diagram on the below. Mark the coordinating Branch Number (size) in the chart below. Reference tables on page 352 and 353 for Branch Numbers and Tube ID's. Upon receipt of this template, a part number* will be issued. Note: The number of branches that will fit on the manifold hex will vary depending on the branch sizes desired.

Consult factory for details!

Branch Numbers:

1st Branch (1) = _____ 5th Branch (5) = _____

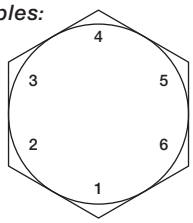
2nd Branch (2) = _____ 6th Branch (6) = _____

3rd Branch (3) = _____ 7th Branch (7) = _____

4th Branch (4) = _____ 8th Branch (8) = _____

*Part numbers will vary depending on branch configuration.

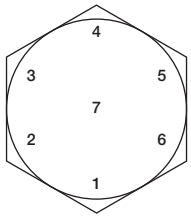
Examples:



Branch Numbers:

1st Branch (1) = 5 5th Branch (5) = 2
2nd Branch (2) = 5 6th Branch (6) = 2
3rd Branch (3) = 5 7th Branch (7) = n/a
4th Branch (4) = 3 8th Branch (8) = n/a

Three #5 Branches (1st, 2nd, 3rd)
One #3 Branches (4th) *Two* #2 Branches (5th, 6th)



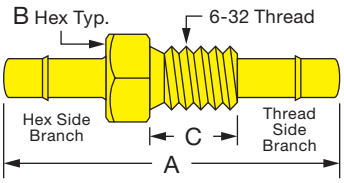
Branch Numbers:

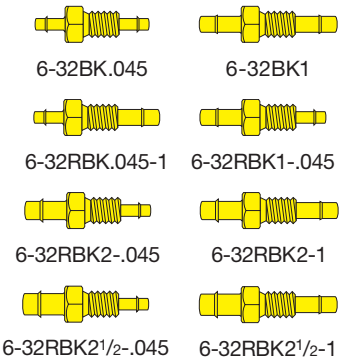
1st Branch (1) = 5 5th Branch (5) = 2
2nd Branch (2) = 5 6th Branch (6) = 2
3rd Branch (3) = 5 7th Branch (7) = n/a
4th Branch (4) = 3 8th Branch (8) = n/a

Two #5 Branches (1st, 2nd) *Two* #4 Branches (3rd, 5th)
Two #2 Branches (4th, 6th) *One* #3 1/2 Branches (7th)

Y

6-32 In-line Bulkheads & Reducing Bulkheads 650





Supplied with Lockwasher & Nut or All-in-One Combination!

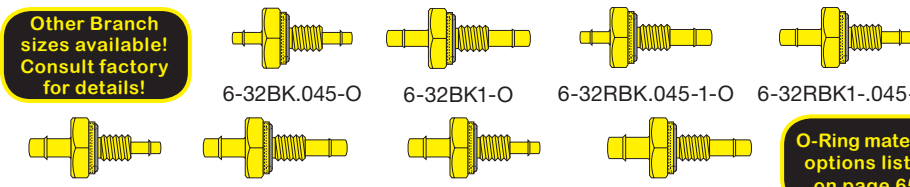
Branches with smaller Tube ID's available! Consult factory for details!



Tube ID		Part Numbers					Dimensions (Reference)		
Hex Side Branch	Thread Side Branch	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
3/64	3/64	6-32BK.045	6-32BK.045-SS	6-32BK.045-316SS	6-32BK.045-AL	6-32BK.045-NP	19/32	3/16	3/16
1/16	1/16	6-32BK1	6-32BK1-SS	6-32BK1-316SS	6-32BK1-AL	6-32BK1-NP	23/32	3/16	3/16
3/64	1/16	6-32RBK .045-1	6-32RBK.045-1-SS	6-32RBK.045-1-316SS	6-32RBK.045-1-AL	6-32RBK.045-1-NP	21/32	3/16	3/16
1/16	3/64	6-32RBK1-.045	6-32RBK1-.045-SS	6-32RBK1-.045-316SS	6-32RBK1-.045-AL	6-32RBK1-.045-NP	21/32	3/16	3/16
5/64 / 2mm	3/64	6-32RBK 2-.045	6-32RBK2-.045-SS	6-32RBK2-.045-316SS	6-32RBK2-.045-AL	6-32RBK2-.045-NP	21/32	3/16	3/16
5/64 / 2mm	1/16	6-32RBK2-1	6-32RBK2-1-SS	6-32RBK2-1-316SS	6-32RBK2-1-AL	6-32RBK2-1-NP	23/32	3/16	3/16
3/32	3/64	6-32RBK 2½-.045	6-32RBK2½-.045-SS	6-32RBK2½-.045-316SS	6-32RBK2½-.045-AL	6-32RBK2½-.045-NP	21/32	3/16	3/16
3/32	1/16	6-32RBK 2½-1	6-32RBK2½-1-SS	6-32RBK2½-1-316SS	6-32RBK2½-1-AL	6-32RBK2½-1-NP	23/32	3/16	3/16

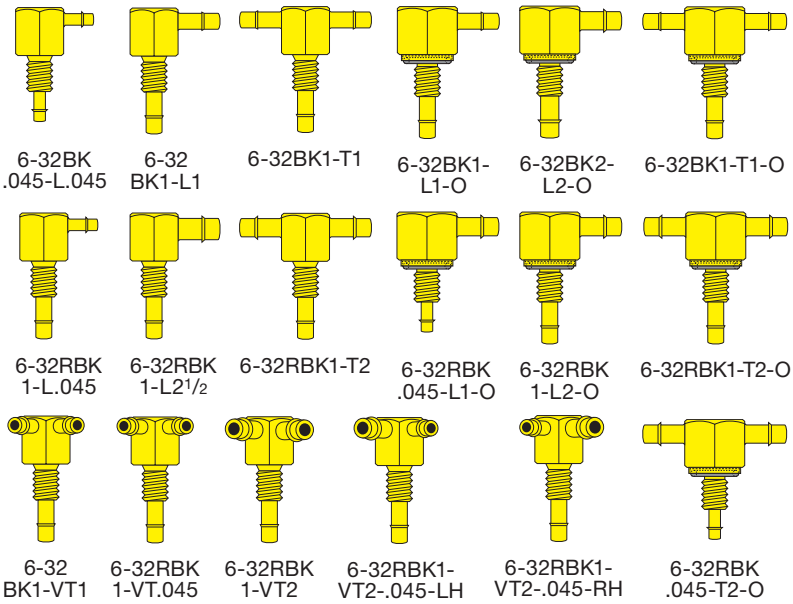
O-Ring options available. Lead times apply. Pricing is dependent on quantity.

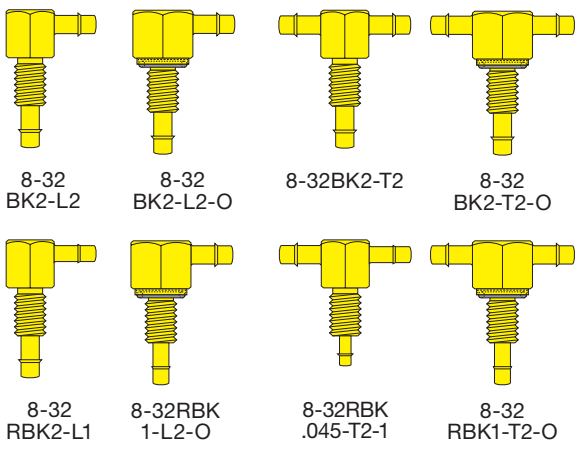
Other Branch sizes available! Consult factory for details!

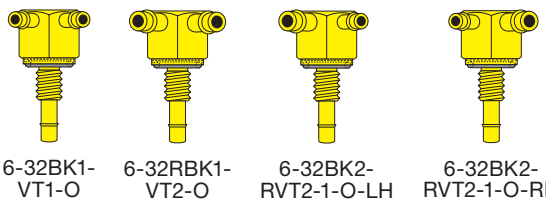


O-Ring material options listed on page 65!

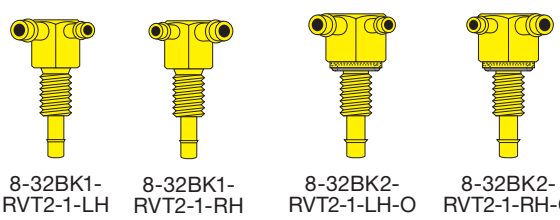
Custom 6-32 & 8-32 Elbow, Tee, and V-Tee Bulkheads & Reducing Bulkheads available! Consult factory for details!







This is a sample listing of the many options available! Consult factory for details!



PLEASE NOTE: the drawings in this section have been altered (rotated 180°) compared to the previous catalog!

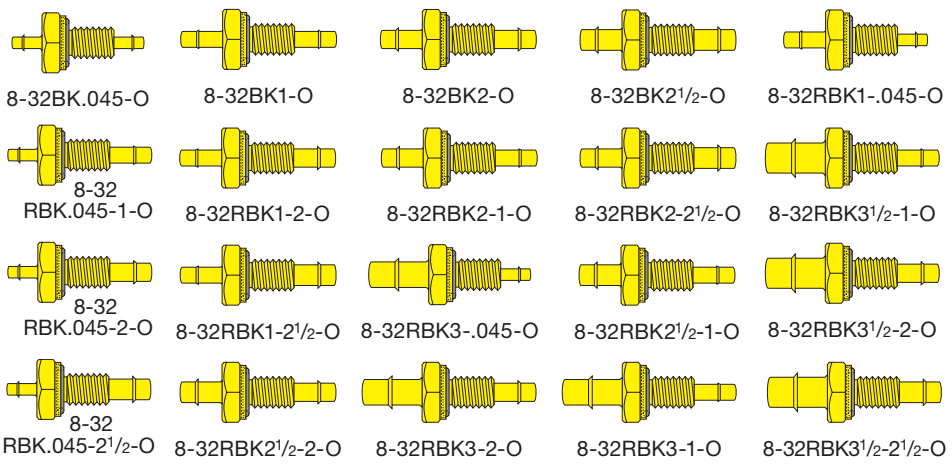
O-Ring materials on page 65!

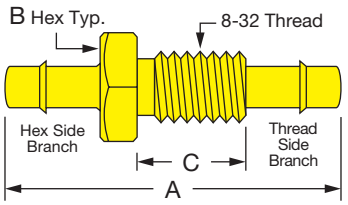
651 — 8-32 In-line Bulkheads & Reducing Bulkheads

Tube ID		Part Numbers					Dimensions (Reference)		
Hex Side Branch	Thread Side Branch	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
3/64	3/64	8-32BK.045	8-32BK.045-SS	8-32BK.045-316SS	8-32BK.045-AL	8-32BK.045-NP	21/32	1/4	1/4
1/16	1/16	8-32BK1	8-32BK1-SS	8-32BK1-316SS	8-32BK1-AL	8-32BK1-NP	25/32	1/4	1/4
5/64 / 2mm	5/64 / 2mm	8-32BK2	8-32BK2-SS	8-32BK2-316SS	8-32BK2-AL	8-32BK2-NP	25/32	1/4	1/4
3/32	3/32	8-32BK2 1/2	8-32BK2 1/2-SS	8-32BK2 1/2-316SS	8-32BK2 1/2-AL	8-32BK2 1/2-NP	25/32	1/4	1/4
3/64	1/16	8-32RBK .045-1	8-32RBK.045-1-SS	8-32RBK.045-1-316SS	8-32RBK.045-1-AL	8-32RBK.045-1-NP	23/32	1/4	1/4
3/64	5/64 / 2mm	8-32RBK .045-2	8-32RBK.045-2-SS	8-32RBK.045-2-316SS	8-32RBK.045-2-AL	8-32RBK.045-2-NP	23/32	1/4	1/4
3/64	3/32	8-32RBK .045-2 1/2	8-32RBK.045-2 1/2-SS	8-32RBK.045-2 1/2-316SS	8-32RBK.045-2 1/2-AL	8-32RBK.045-2 1/2-NP	23/32	1/4	1/4
1/16	3/64	8-32RBK1-.045	8-32RBK1-.045-SS	8-32RBK1-.045-316SS	8-32RBK1-.045-AL	8-32RBK1-.045-NP	23/32	1/4	1/4
1/16	5/64 / 2mm	8-32RBK1-2	8-32RBK1-2-SS	8-32RBK1-2-316SS	8-32RBK1-2-AL	8-32RBK1-2-NP	25/32	1/4	1/4
1/16	3/32	8-32RBK1-2 1/2	8-32RBK1-2 1/2-SS	8-32RBK1-2 1/2-316SS	8-32RBK1-2 1/2-AL	8-32RBK1-2 1/2-NP	25/32	1/4	1/4
5/64 / 2mm	3/64	8-32RBK2-.045	8-32RBK2-.045-SS	8-32RBK2-.045-316SS	8-32RBK2-.045-AL	8-32RBK2-.045-NP	23/32	1/4	1/4
5/64 / 2mm	1/16	8-32RBK2-1	8-32RBK2-1-SS	8-32RBK2-1-316SS	8-32RBK2-1-AL	8-32RBK2-1-NP	25/32	1/4	1/4
5/64 / 2mm	3/32	8-32RBK2-2 1/2	8-32RBK2-2 1/2-SS	8-32RBK2-2 1/2-316SS	8-32RBK2-2 1/2-AL	8-32RBK2-2 1/2-NP	25/32	1/4	1/4
3/32	3/64	8-32RBK 2 1/2-.045	8-32RBK2 1/2-.045-SS	8-32RBK2 1/2-.045-316SS	8-32RBK2 1/2-.045-AL	8-32RBK2 1/2-.045-NP	23/32	1/4	1/4
3/32	1/16	8-32RBK 2 1/2-1	8-32RBK2 1/2-1-SS	8-32RBK2 1/2-1-316SS	8-32RBK2 1/2-1-AL	8-32RBK2 1/2-1-NP	25/32	1/4	1/4
3/32	5/64 / 2mm	8-32RBK 2 1/2-2	8-32RBK2 1/2-2-SS	8-32RBK2 1/2-2-316SS	8-32RBK2 1/2-2-AL	8-32RBK2 1/2-2-NP	25/32	1/4	1/4
1/8	3/64	8-32RBK3-.045	8-32RBK3-.045-SS	8-32RBK3-.045-316SS	8-32RBK3-.045-AL	8-32RBK3-.045-NP	13/16	1/4	1/4
1/8	1/16	8-32RBK3-1	8-32RBK3-1-SS	8-32RBK3-1-316SS	8-32RBK3-1-AL	8-32RBK3-1-NP	7/8	1/4	1/4
1/8	5/64 / 2mm	8-32RBK3-2	8-32RBK3-2-SS	8-32RBK3-2-316SS	8-32RBK3-2-AL	8-32RBK3-2-NP	7/8	1/4	1/4
1/8	3/32	8-32RBK3-2 1/2	8-32RBK3-2 1/2-SS	8-32RBK3-2 1/2-316SS	8-32RBK3-2 1/2-AL	8-32RBK3-2 1/2-NP	7/8	1/4	1/4
5/32 / 4mm	3/64	8-32RBK 3 1/2-.045	8-32RBK3 1/2-.045-SS	8-32RBK3 1/2-.045-316SS	8-32RBK3 1/2-.045-AL	8-32RBK3 1/2-.045-NP	13/16	1/4	1/4
5/32 / 4mm	1/16	8-32RBK 3 1/2-1	8-32RBK3 1/2-1-SS	8-32RBK3 1/2-1-316SS	8-32RBK3 1/2-1-AL	8-32RBK3 1/2-1-NP	7/8	1/4	1/4
5/32 / 4mm	5/64 / 2mm	8-32RBK 3 1/2-2	8-32RBK3 1/2-2-SS	8-32RBK3 1/2-2-316SS	8-32RBK3 1/2-2-AL	8-32RBK3 1/2-2-NP	7/8	1/4	1/4
5/32 / 4mm	3/32	8-32RBK 3 1/2-2 1/2	8-32RBK3 1/2-2 1/2-SS	8-32RBK3 1/2-2 1/2-316SS	8-32RBK3 1/2-2 1/2-AL	8-32RBK3 1/2-2 1/2-NP	7/8	1/4	1/4

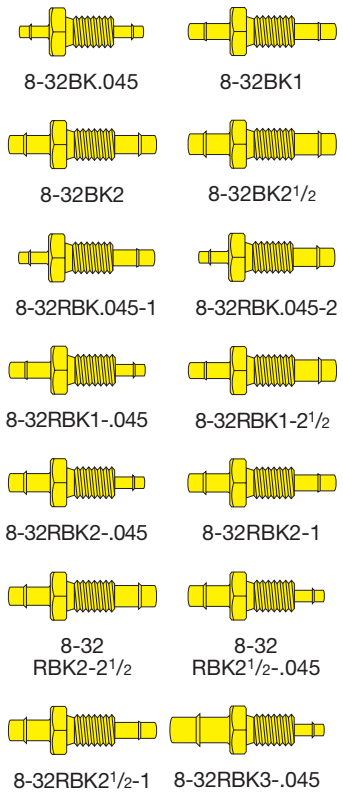
Note: *Images are for visual representation only. Dimensions may vary at time of manufacturing. Consult factory for details!*

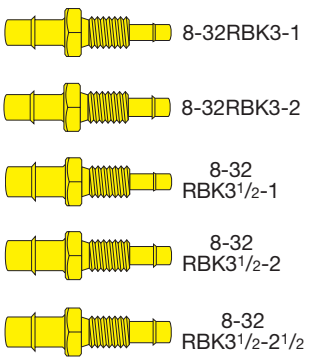
O-Ring options available! Lead times apply! O-Ring material options listed on page 65!



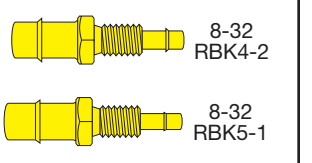


Supplied with Lockwasher & Nut or All-in-One Combination!





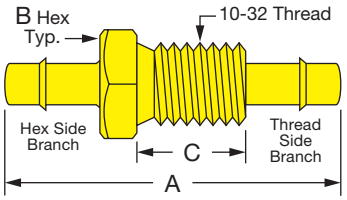
Larger Hex Side Branches available!



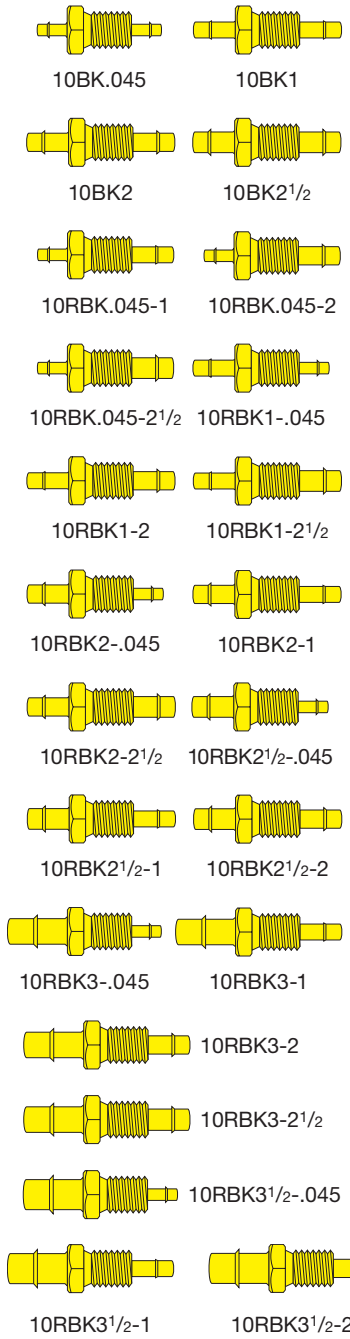
Consult factory for details!

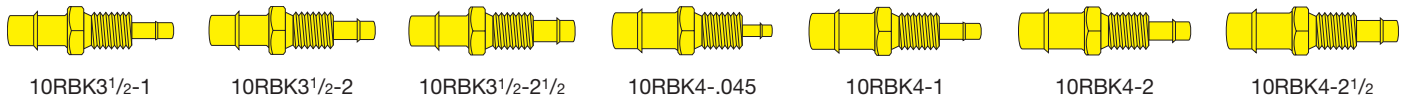
Z

10-32 In-line Bulkheads & Reducing Bulkheads 652



Tube ID		Part Numbers					Dimensions (Reference)		
Hex Side Branch	Thread Side Branch	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
3/64	3/64	10BK.045	10BK.045-SS	10BK.045-316SS	10BK.045-AL	10BK.045-NP	21/32	1/4	1/4
1/16	1/16	10BK1	10BK1-SS	10BK1-316SS	10BK1-AL	10BK1-NP	25/32	1/4	1/4
5/64 / 2mm	5/64 / 2mm	10BK2	10BK2-SS	10BK2-316SS	10BK2-AL	10BK2-NP	25/32	1/4	1/4
3/32	3/32	10BK2 1/2	10BK2 1/2-SS	10BK2 1/2-316SS	10BK2 1/2-AL	10BK2 1/2-NP	25/32	1/4	1/4
3/64	1/16	10RBK.045-1	10RBK.045-1-SS	10RBK.045-1-316SS	10RBK.045-1-AL	10RBK.045-1-NP	25/32	1/4	1/4
3/64	5/64 / 2mm	10RBK.045-2	10RBK.045-2-SS	10RBK.045-2-316SS	10RBK.045-2-AL	10RBK.045-2-NP	23/32	1/4	1/4
3/64	3/32	10RBK.045-2 1/2	10RBK.045-2 1/2-SS	10RBK.045-2 1/2-316SS	10RBK.045-2 1/2-AL	10RBK.045-2 1/2-NP	23/32	1/4	1/4
1/16	3/64	10RBK1-.045	10RBK1-.045-SS	10RBK1-.045-316SS	10RBK1-.045-AL	10RBK1-.045-NP	23/32	1/4	1/4
1/16	5/64 / 2mm	10RBK1-2	10RBK1-2-SS	10RBK1-2-316SS	10RBK1-2-AL	10RBK1-2-NP	25/32	1/4	1/4
1/16	3/32	10RBK1-2 1/2	10RBK1-2 1/2-SS	10RBK1-2 1/2-316SS	10RBK1-2 1/2-AL	10RBK1-2 1/2-NP	25/32	1/4	1/4
5/64 / 2mm	3/64	10RBK2-.045	10RBK2-.045-SS	10RBK2-.045-316SS	10RBK2-.045-AL	10RBK2-.045-NP	23/32	1/4	1/4
5/64 / 2mm	1/16	10RBK2-1	10RBK2-1-SS	10RBK2-1-316SS	10RBK2-1-AL	10RBK2-1-NP	25/32	1/4	1/4
5/64 / 2mm	3/32	10RBK2-2 1/2	10RBK2-2 1/2-SS	10RBK2-2 1/2-316SS	10RBK2-2 1/2-AL	10RBK2-2 1/2-NP	25/32	1/4	1/4
3/32	3/64	10RBK2 1/2-.045	10RBK2 1/2-.045-SS	10RBK2 1/2-.045-316SS	10RBK2 1/2-.045-AL	10RBK2 1/2-.045-NP	23/32	1/4	1/4
3/32	1/16	10RBK2 1/2-1	10RBK2 1/2-1-SS	10RBK2 1/2-1-316SS	10RBK2 1/2-1-AL	10RBK2 1/2-1-NP	25/32	1/4	1/4
3/32	5/64 / 2mm	10RBK2 1/2-2	10RBK2 1/2-2-SS	10RBK2 1/2-2-316SS	10RBK2 1/2-2-AL	10RBK2 1/2-2-NP	25/32	1/4	1/4
1/8	3/64	10RBK3-.045	10RBK3-.045-SS	10RBK3-.045-316SS	10RBK3-.045-AL	10RBK3-.045-NP	13/16	1/4	1/4
1/8	1/16	10RBK3-1	10RBK3-1-SS	10RBK3-1-316SS	10RBK3-1-AL	10RBK3-1-NP	7/8	1/4	1/4
1/8	5/64 / 2mm	10RBK3-2	10RBK3-2-SS	10RBK3-2-316SS	10RBK3-2-AL	10RBK3-2-NP	7/8	1/4	1/4
1/8	3/32	10RBK3-2 1/2	10RBK3-2 1/2-SS	10RBK3-2 1/2-316SS	10RBK3-2 1/2-AL	10RBK3-2 1/2-NP	7/8	1/4	1/4
5/32 / 4mm	3/64	10RBK3 1/2-.045	10RBK3 1/2-.045-SS	10RBK3 1/2-.045-316SS	10RBK3 1/2-.045-AL	10RBK3 1/2-.045-NP	13/16	1/4	1/4
5/32 / 4mm	1/16	10RBK3 1/2-1	10RBK3 1/2-1-SS	10RBK3 1/2-1-316SS	10RBK3 1/2-1-AL	10RBK3 1/2-1-NP	7/8	1/4	1/4
5/32 / 4mm	5/64 / 2mm	10RBK3 1/2-2	10RBK3 1/2-2-SS	10RBK3 1/2-2-316SS	10RBK3 1/2-2-AL	10RBK3 1/2-2-NP	7/8	1/4	1/4
5/32 / 4mm	3/32	10RBK3 1/2-2 1/2	10RBK3 1/2-2 1/2-SS	10RBK3 1/2-2 1/2-316SS	10RBK3 1/2-2 1/2-AL	10RBK3 1/2-2 1/2-NP	7/8	1/4	1/4
.170	3/64	10RBK4-.045	10RBK4-.045-SS	10RBK4-.045-316SS	10RBK4-.045-AL	10RBK4-.045-NP	27/32	1/4	1/4
.170	1/16	10RBK4-1	10RBK4-1-SS	10RBK4-1-316SS	10RBK4-1-AL	10RBK4-1-NP	57/64	1/4	1/4
.170	5/64 / 2mm	10RBK4-2	10RBK4-2-SS	10RBK4-2-316SS	10RBK4-2-AL	10RBK4-2-NP	57/64	1/4	1/4
.170	3/32	10RBK4-2 1/2	10RBK4-2 1/2-SS	10RBK4-2 1/2-316SS	10RBK4-2 1/2-AL	10RBK4-2 1/2-NP	57/64	1/4	1/4

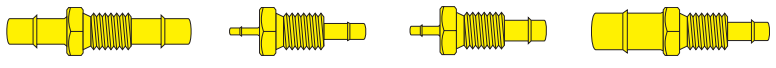




Supplied with Lockwasher and Nut or All-in-One Combination!

Note: the drawings in this section have been altered (rotated 180°) from the previous catalog to more accurately represent the part numbers.

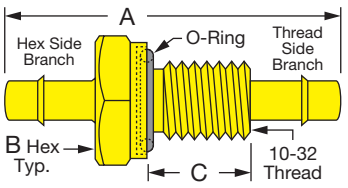
Other branch sizes available! Lead times apply! Consult factory for details!



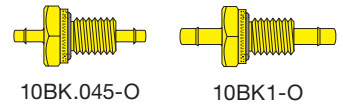
Sample listing; many options available!

653 10-32 In-line Bulkheads & Reducing Bulkheads with O-Ring Installed

Tube ID		Part Numbers					Dimensions (Reference)		
Hex Side Branch	Thread Side Branch	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
3/64	3/64	10BK.045-O	10BK.045-O-SS	10BK.045-O-316SS	10BK.045-O-AL	10BK.045-O-NP	11/16	5/16	1/4
1/16	1/16	10BK1-O	10BK1-O-SS	10BK1-O-316SS	10BK1-O-AL	10BK1-O-NP	13/16	5/16	1/4
5/64 / 2mm	5/64 / 2mm	10BK2-O	10BK2-O-SS	10BK2-O-316SS	10BK2-O-AL	10BK2-O-NP	13/16	5/16	1/4
3/32	3/32	10BK2 1/2-O	10BK2 1/2-O-SS	10BK2 1/2-O-316SS	10BK2 1/2-O-AL	10BK2 1/2-O-NP	13/16	5/16	1/4
3/64	1/16	10RBK.045-1-O	10RBK.045-1-O-SS	10RBK.045-1-O-316SS	10RBK.045-1-O-AL	10RBK.045-1-O-NP	3/4	5/16	1/4
3/64	5/64 / 2mm	10RBK.045-2-O	10RBK.045-2-O-SS	10RBK.045-2-O-316SS	10RBK.045-2-O-AL	10RBK.045-2-O-NP	3/4	5/16	1/4
3/64	3/32	10RBK.045-2 1/2-O	10RBK.045-2 1/2-O-SS	10RBK.045-2 1/2-O-316SS	10RBK.045-2 1/2-O-AL	10RBK.045-2 1/2-O-NP	3/4	5/16	1/4
1/16	3/64	10RBK1-.045-O	10RBK1-.045-O-SS	10RBK1-.045-O-316SS	10RBK1-.045-O-AL	10RBK1-.045-O-NP	3/4	5/16	1/4
1/16	5/64 / 2mm	10RBK1-2-O	10RBK1-2-O-SS	10RBK1-2-O-316SS	10RBK1-2-O-AL	10RBK1-2-O-NP	13/16	5/16	1/4
1/16	3/32	10RBK1-2 1/2-O	10RBK1-2 1/2-O-SS	10RBK1-2 1/2-O-316SS	10RBK1-2 1/2-O-AL	10RBK1-2 1/2-O-NP	13/16	5/16	1/4
5/64 / 2mm	3/64	10RBK2-.045-O	10RBK2-.045-O-SS	10RBK2-.045-O-316SS	10RBK2-.045-O-AL	10RBK2-.045-O-NP	3/4	5/16	1/4
5/64 / 2mm	1/16	10RBK2-1-O	10RBK2-1-O-SS	10RBK2-1-O-316SS	10RBK2-1-O-AL	10RBK2-1-O-NP	13/16	5/16	1/4
5/64 / 2mm	3/32	10RBK2-2 1/2-O	10RBK2-2 1/2-O-SS	10RBK2-2 1/2-O-316SS	10RBK2-2 1/2-O-AL	10RBK2-2 1/2-O-NP	13/16	5/16	1/4
3/32	3/64	10RBK2 1/2-.045-O	10RBK2 1/2-.045-O-SS	10RBK2 1/2-.045-O-316SS	10RBK2 1/2-.045-O-AL	10RBK2 1/2-.045-O-NP	3/4	5/16	1/4
3/32	1/16	10RBK2 1/2-1-O	10RBK2 1/2-1-O-SS	10RBK2 1/2-1-O-316SS	10RBK2 1/2-1-O-AL	10RBK2 1/2-1-O-NP	13/16	5/16	1/4
3/32	5/64 / 2mm	10RBK2 1/2-2-O	10RBK2 1/2-2-O-SS	10RBK2 1/2-2-O-316SS	10RBK2 1/2-2-O-AL	10RBK2 1/2-2-O-NP	13/16	5/16	1/4
1/8	3/64	10RBK3-.045-O	10RBK3-.045-O-SS	10RBK3-.045-O-316SS	10RBK3-.045-O-AL	10RBK3-.045-O-NP	27/32	5/16	1/4
1/8	1/16	10RBK3-1-O	10RBK3-1-O-SS	10RBK3-1-O-316SS	10RBK3-1-O-AL	10RBK3-1-O-NP	29/32	5/16	1/4
1/8	5/64 / 2mm	10RBK3-2-O	10RBK3-2-O-SS	10RBK3-2-O-316SS	10RBK3-2-O-AL	10RBK3-2-O-NP	29/32	5/16	1/4
1/8	3/32	10RBK3-2 1/2-O	10RBK3-2 1/2-O-SS	10RBK3-2 1/2-O-316SS	10RBK3-2 1/2-O-AL	10RBK3-2 1/2-O-NP	29/32	5/16	1/4
5/32 / 4mm	3/64	10RBK3 1/2-.045-O	10RBK3 1/2-.045-O-SS	10RBK3 1/2-.045-O-316SS	10RBK3 1/2-.045-O-AL	10RBK3 1/2-.045-O-NP	27/32	5/16	1/4
5/32 / 4mm	1/16	10RBK3 1/2-1-O	10RBK3 1/2-1-O-SS	10RBK3 1/2-1-O-316SS	10RBK3 1/2-1-O-AL	10RBK3 1/2-1-O-NP	29/32	5/16	1/4
5/32 / 4mm	5/64 / 2mm	10RBK3 1/2-2-O	10RBK3 1/2-2-O-SS	10RBK3 1/2-2-O-316SS	10RBK3 1/2-2-O-AL	10RBK3 1/2-2-O-NP	29/32	5/16	1/4
5/32 / 4mm	3/32	10RBK3 1/2-2 1/2-O	10RBK3 1/2-2 1/2-O-SS	10RBK3 1/2-2 1/2-O-316SS	10RBK3 1/2-2 1/2-O-AL	10RBK3 1/2-2 1/2-O-NP	29/32	5/16	1/4
.170	3/64	10RBK4-.045-O	10RBK4-.045-O-SS	10RBK4-.045-O-316SS	10RBK4-.045-O-AL	10RBK4-.045-O-NP	7/8	5/16	1/4
.170	1/16	10RBK4-1-O	10RBK4-1-O-SS	10RBK4-1-O-316SS	10RBK4-1-O-AL	10RBK4-1-O-NP	15/16	5/16	1/4
.170	5/64 / 2mm	10RBK4-2-O	10RBK4-2-O-SS	10RBK4-2-O-316SS	10RBK4-2-O-AL	10RBK4-2-O-NP	15/16	5/16	1/4
.170	3/32	10RBK4-2 1/2-O	10RBK4-2 1/2-O-SS	10RBK4-2 1/2-O-316SS	10RBK4-2 1/2-O-AL	10RBK4-2 1/2-O-NP	15/16	5/16	1/4



Supplied with Lockwasher & Nut or All-in-One Combination!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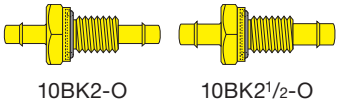
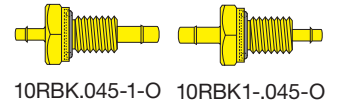

10BK2-O 10BK2 1/2-O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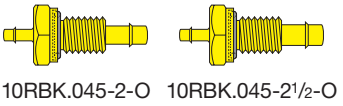
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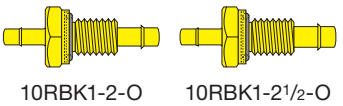
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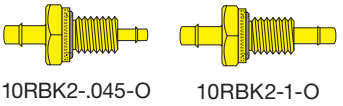
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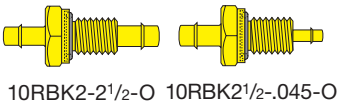
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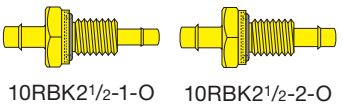
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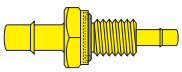
10RBK3-.045-O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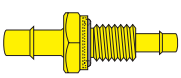
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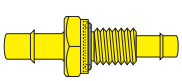
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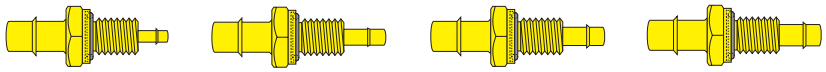
Other Branch sizes available! Lead times & minimum quantities apply! Consult factory for details!

O-Ring material options listed on page 65.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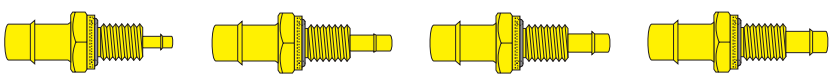
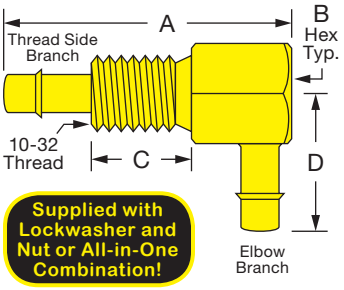

10RBK4-.045-O 10RBK4-1-O 10RBK4-2-O 10RBK4-2 1/2-O

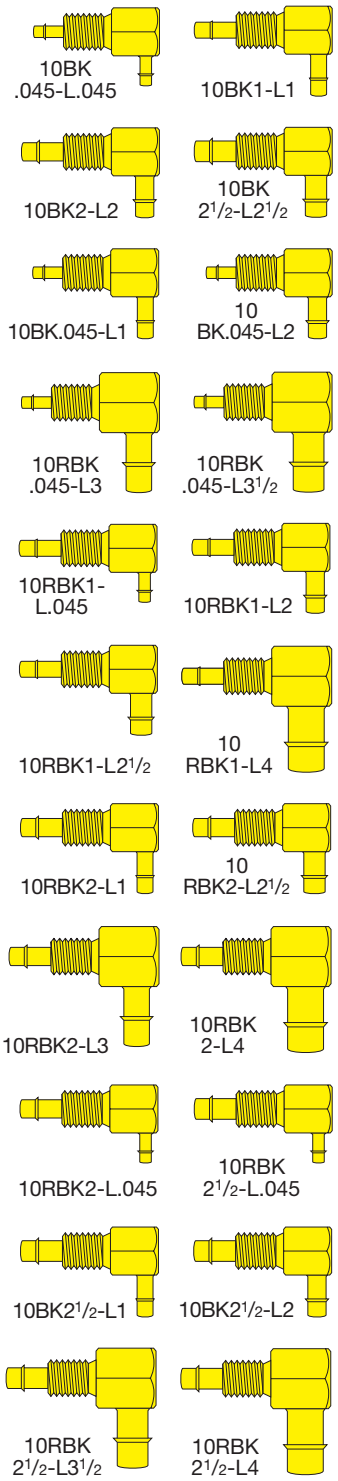
Note: the drawings in this section have been altered (rotated 180°) compared to the previous catalog to more accurately represent the part numbers. Consult factory for details!

Note: *Images are for visual representation only. Dimensions may vary at time of manufacturing.*

Z

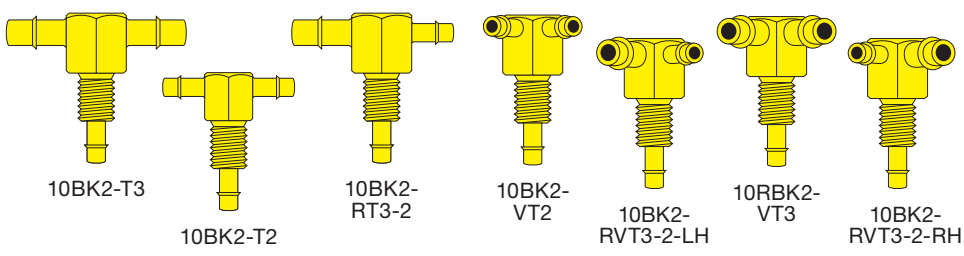
10-32 Elbow Bulkheads & Reducing Bulkheads 654





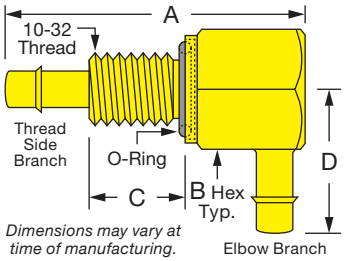
Tube ID		Part Numbers				Dimensions (Reference)			
Thread Side Branch	Elbow Branch	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
3/64	3/64	10BK.045-L.045	10BK.045-L.045-SS	10BK.045-L.045-316SS	10BK.045-L.045-NP	21/32	1/4	1/4	11/32
1/16	1/16	10BK1-L1	10BK1-L1-SS	10BK1-L1-316SS	10BK1-L1-NP	23/32	1/4	1/4	11/32
5/64 / 2mm	5/64 / 2mm	10BK2-L2	10BK2-L2-SS	10BK2-L2316-SS	10BK2-L2-NP	23/32	1/4	1/4	11/32
3/32	3/32	10BBK 2½-L2½	10BK2½-L2½-SS	10BK2½-L2½-316SS	10BK2½-L2½-NP	23/32	1/4	1/4	11/32
3/64	1/16	10RBK.045-L1	10RBK.045-L1-SS	10RBK.045-L1-316SS	10RBK.045-L1-NP	21/32	1/4	1/4	11/32
3/64	5/64 / 2mm	10RBK.045-L2	10RBK.045-L2-SS	10RBK.045-L2-316SS	10RBK.045-L2-NP	21/32	1/4	1/4	11/32
3/64	3/32	10RBK.045-L2½	10RBK.045-L2½-SS	10RBK.045-L2½-316SS	10RBK.045-L2½-NP	21/32	1/4	1/4	11/32
3/64	1/8	10RBK.045-L3	10RBK.045-L3-SS	10RBK.045-L3-316SS	10RBK.045-L3-NP	25/32	5/16	1/4	15/32
3/64	5/32 / 4mm	10RBK.045-L3½	10RBK.045-L3½-SS	10RBK.045-L3½-316SS	10RBK.045-L3½-NP	25/32	5/16	1/4	15/32
3/64	.170	10RBK.045-L4	10RBK.045-L4-SS	10RBK.045-L4-316SS	10RBK.045-L4-NP	25/32	5/16	1/4	1/2
1/16	3/64	10RBK1-L.045	10RBK1-L.045-SS	10RBK1-L.045-316SS	10RBK1-L.045-NP	23/32	1/4	1/4	11/32
1/16	5/64 / 2mm	10RBK1-L2	10RBK1-L2-SS	10RBK1-L2-316SS	10RBK1-L2-NP	23/32	1/4	1/4	11/32
1/16	3/32	10RBK1-L2½	10RBK1-L2½-SS	10RBK1-L2½-316SS	10RBK1-L2½-NP	23/32	1/4	1/4	11/32
3/64	1/8	10RBK1- L3	10RBK1-L3-SS	10RBK1-L3-316SS	10RBK1-L3-NP	25/32	5/16	1/4	15/32
3/64	5/32 / 4mm	10RBK1- L3½	10RBK1-L3½-SS	10RBK1-L3½-316SS	10RBK1-L3½-NP	25/32	5/16	1/4	15/32
3/64	.170	10RBK1- L4	10RBK1-L4-SS	10RBK1-L4-316SS	10RBK1-L4-NP	25/32	5/16	1/4	1/2
5/64 / 2mm	3/64	10RBK2-L.045	10RBK2-L.045-SS	10RBK2-L.045-316SS	10RBK2-L.045-NP	23/32	1/4	1/4	11/32
5/64 / 2mm	1/16	10RBK2-L1	10RBK2-L1-SS	10RBK2-L1-316SS	10RBK2-L1-NP	23/32	1/4	1/4	11/32
5/64 / 2mm	3/32	10RBK2-L2½	10RBK2-L2½-SS	10RBK2-L2½-316SS	10RBK2-L2½-NP	23/32	1/4	1/4	11/32
3/64	1/8	10RBK2-L3	10RBK2-L3-SS	10RBK2-L3-316SS	10RBK2-L3-NP	25/32	5/16	1/4	15/32
3/64	5/32 / 4mm	10RBK2-L3½	10RBK2-L3½-SS	10RBK2-L3½-316SS	10RBK2-L3½-NP	25/32	5/16	1/4	15/32
3/64	.170	10RBK2-L4	10RBK2-L4-SS	10RBK2-L4-316SS	10RBK2-L4-NP	25/32	5/16	1/4	1/2
3/32	3/64	10RBK2½-L.045	10RBK2½-L.045-SS	10RBK2½-L.045-316SS	10RBK2½-L.045-NP	23/32	1/4	1/4	11/32
3/32	1/16	10RBK2½-L1	10RBK2½-L1-SS	10RBK2½-L1-316SS	10RBK2½-L1-NP	23/32	1/4	1/4	11/32
3/32	5/64 / 2mm	10RBK2½-L2	10RBK2½-L2-SS	10RBK2½-L2-316SS	10RBK2½-L2-NP	23/32	1/4	1/4	11/32
3/64	1/8	10RBK2½-L3	10RBK2½-L3-SS	10RBK2½-L3-316SS	10RBK2½-L3-NP	25/32	5/16	1/4	15/32
3/64	5/32 / 4mm	10RBK2½-L3½	10RBK2½-L3½-SS	10RBK2½-L3½-316SS	10RBK2½-L3½-NP	25/32	5/16	1/4	15/32
3/64	.170	10RBK2½-L4	10RBK2½-L4-SS	10RBK2½-L4-316SS	10RBK2½-L4-NP	25/32	5/16	1/4	1/2

10-32 Tee & V-Tee Bulkheads also available! Consult factory for details!



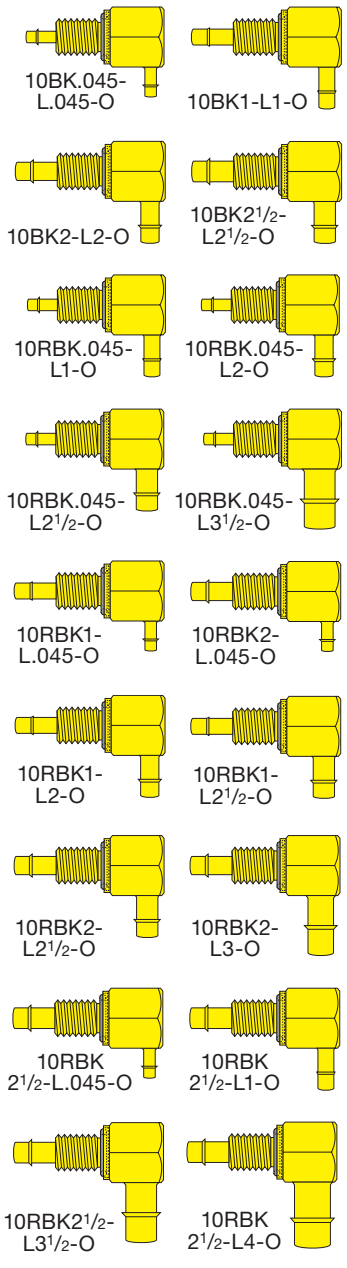
655 10-32 Elbow Bulkheads & Reducing Bulkheads with O-Ring Installed

Tube ID		Part Numbers				Dimensions (Reference)			
Thread Side Branch	Elbow Branch	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
3/64	3/64	10BK.045-L.045-O	10BK.045-L.045-O-SS	10BK.045-L.045-O-316SS	10BK.045-L.045-O-NP	11/16	5/16	1/4	3/8
1/16	1/16	10BK1-L1-O	10BK1-L1-O-SS	10BK1-L1-O-316SS	10BK1-L1-O-NP	3/4	5/16	1/4	3/8
5/64 / 2mm	5/64 / 2mm	10BK2-L2-O	10BK2-L2-O-SS	10BK2-L2-O-316SS	10BK2-L2-O-NP	3/4	5/16	1/4	3/8
3/32	3/32	10BK2 1/2-L2 1/2-O	10BK2 1/2-L2 1/2-O-SS	10BK2 1/2-L2 1/2-O-316SS	10BK2 1/2-L2 1/2-O-NP	3/4	5/16	1/4	3/8
3/64	1/16	10RBK.045-L1-O	10RBK.045-L1-O-SS	10RBK.045-L1-O-316SS	10RBK.045-L1-O-NP	11/16	5/16	1/4	3/8
3/64	5/64 / 2mm	10RBK.045-L2-O	10RBK.045-L2-O-SS	10RBK.045-L2-O-316SS	10RBK.045-L2-O-NP	11/16	5/16	1/4	3/8
3/64	3/32	10RBK.045-L2 1/2-O	10RBK.045-L2 1/2-O-SS	10RBK.045-L2 1/2-O-316SS	10RBK.045-L2 1/2-O-NP	11/16	5/16	1/4	3/8
3/64	1/8	10RBK.045-L3-O	10RBK.045-L3-O-SS	10RBK.045-L3-O-316SS	10RBK.045-L3-O-NP	25/32	5/16	1/4	15/32
3/64	5/32 / 4mm	10RBK.045-L3 1/2-O	10RBK.045-L3 1/2-O-SS	10RBK.045-L3 1/2-O-316SS	10RBK.045-L3 1/2-O-NP	25/32	5/16	1/4	15/32
3/64	.170	10RBK.045-L4-O	10RBK.045-L4-O-SS	10RBK.045-L4-O-316SS	10RBK.045-L4-O-NP	25/32	5/16	1/4	1/2
1/16	3/64	10RBK1-L.045-O	10RBK1-L.045-O-SS	10RBK1-L.045-O-316SS	10RBK1-L.045-O-NP	11/16	5/16	1/4	3/8
1/16	5/64 / 2mm	10RBK1-L2-O	10RBK1-L2-O-SS	10RBK1-L2-O-316SS	10RBK1-L2-O-NP	3/4	5/16	1/4	3/8
1/16	3/32	10RBK1-L2 1/2-O	10RBK1-L2 1/2-O-SS	10RBK1-L2 1/2-O-316SS	10RBK1-L2 1/2-O-NP	3/4	5/16	1/4	3/8
3/64	1/8	10RBK1-L3-O	10RBK1-L3-O-SS	10RBK1-L3-O-316SS	10RBK1-L3-O-NP	25/32	5/16	1/4	15/32
3/64	5/32 / 4mm	10RBK1-L3 1/2-O	10RBK1-L3 1/2-O-SS	10RBK1-L3 1/2-O-316SS	10RBK1-L3 1/2-O-NP	25/32	5/16	1/4	15/32
3/64	.170	10RBK1-L4-O	10RBK1-L4-O-SS	10RBK1-L4-O-316SS	10RBK1-L4-O-NP	25/32	5/16	1/4	1/2
5/64 / 2mm	3/64	10RBK2-L.045-O	10RBK2-L.045-O-SS	10RBK2-L.045-O-316SS	10RBK2-L.045-O-NP	11/16	5/16	1/4	3/8
5/64 / 2mm	1/16	10RBK2-L1-O	10RBK2-L1-O-SS	10RBK2-L1-O-316SS	10RBK2-L1-O-NP	3/4	5/16	1/4	3/8
5/64 / 2mm	3/32	10RBK2-L2 1/2-O	10RBK2-L2 1/2-O-SS	10RBK2-L2 1/2-O-316SS	10RBK2-L2 1/2-O-NP	3/4	5/16	1/4	3/8
3/64	1/8	10RBK2-L3-O	10RBK2-L3-O-SS	10RBK2-L3-O-316SS	10RBK2-L3-O-NP	25/32	5/16	1/4	15/32
3/64	5/32 / 4mm	10RBK2-L3 1/2-O	10RBK2-L3 1/2-O-SS	10RBK2-L3 1/2-O-316SS	10RBK2-L3 1/2-O-NP	25/32	5/16	1/4	15/32
3/64	.170	10RBK2-L4-O	10RBK2-L4-O-SS	10RBK2-L4-O-316SS	10RBK2-L4-O-NP	25/32	5/16	1/4	1/2
3/32	3/64	10RBK2 1/2-L.045-O	10RBK2 1/2-L.045-O-SS	10RBK2 1/2-L.045-O-316SS	10RBK2 1/2-L.045-O-NP	11/16	5/16	1/4	3/8
3/32	1/16	10RBK2 1/2-L1-O	10RBK2 1/2-L1-O-SS	10RBK2 1/2-L1-O-316SS	10RBK2 1/2-L1-O-NP	3/4	5/16	1/4	3/8
3/32	5/64 / 2mm	10RBK2 1/2-L2-O	10RBK2 1/2-L2-O-SS	10RBK2 1/2-L2-O-316SS	10RBK2 1/2-L2-O-NP	3/4	5/16	1/4	3/8
3/64	1/8	10RBK2 1/2-L3-O	10RBK2 1/2-L3-O-SS	10RBK2 1/2-L3-O-316SS	10RBK2 1/2-L3-O-NP	25/32	5/16	1/4	15/32
3/64	5/32 / 4mm	10RBK2 1/2-L3 1/2-O	10RBK2 1/2-L3 1/2-O-SS	10RBK2 1/2-L3 1/2-O-316SS	10RBK2 1/2-L3 1/2-O-NP	25/32	5/16	1/4	15/32
3/64	.170	10RBK2 1/2-L4-O	10RBK2 1/2-L4-O-SS	10RBK2 1/2-L4-O-316SS	10RBK2 1/2-L4-O-NP	25/32	5/16	1/4	1/2



Dimensions may vary at time of manufacturing.

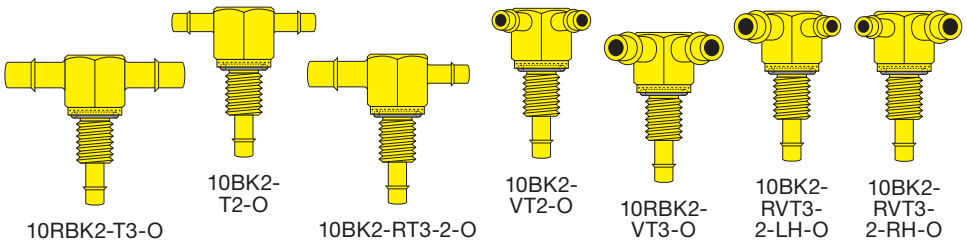
Supplied with Lockwasher & Nut or All-in-One Combination!



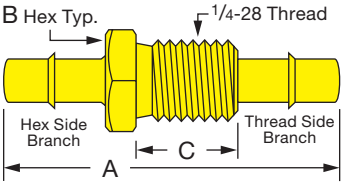
O-Ring materials on page 65!

More Branch sizes available! Consult factory for details!

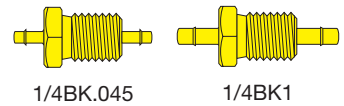
10-32 Tee & V-Tee Bulkheads also available! Consult factory for details!

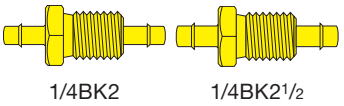


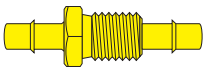
1/4-28 In-line Bulkheads & Reducing Bulkheads 656



Supplied with Lockwasher & Nut or All-in-One Combination!


1/4BK.045 1/4BK1


1/4BK2 1/4BK2½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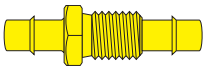
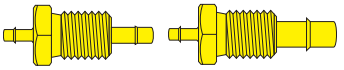
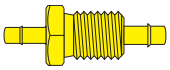

1/4BK3½


1/4RBK.045-1 1/4RBK.045-3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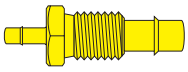
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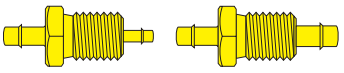
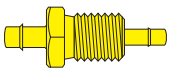
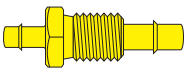

1/4RBK2-.045 1/4RBK2-2½


1/4 RBK2½-1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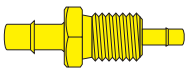
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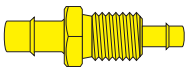
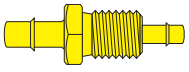
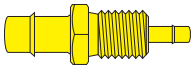

1/4 RBK3-2½


1/4 RBK3½-2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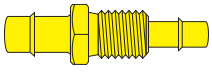

1/4 RBK4-3

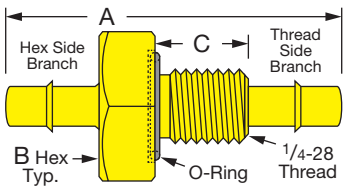
Note: the drawings in this section have been altered (rotated 180°) from the previous catalog.

Tube ID		Part Numbers					Dimensions (Reference)		
Hex Side Branch	Thread Side Branch	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
3/64	3/64	1/4BK.045	1/4BK.045-SS	1/4BK.045-316SS	1/4BK.045-AL	1/4BK.045-NP	23/32	5/16	5/16
1/16	1/16	1/4BK1	1/4BK1-SS	1/4BK1-316SS	1/4BK1-AL	1/4BK1-NP	27/32	5/16	5/16
5/64 / 2mm	5/64 / 2mm	1/4BK2	1/4BK2-SS	1/4BK2-316SS	1/4BK2AL	1/4BK2NP	27/32	5/16	5/16
3/32	3/32	1/4BK2½	1/4BK2½-SS	1/4BK2½-316SS	1/4BK2½-AL	1/4BK2½-NP	27/32	5/16	5/16
1/8	1/8	1/4BK3	1/4BK3-SS	1/4BK3-316SS	1/4BK3-AL	1/4BK3-NP	1 1/32	5/16	5/16
5/32 / 4mm	5/32 / 4mm	1/4BK3½	1/4BK3½-SS	1/4BK3½-316SS	1/4BK3½-AL	1/4BK3½-NP	1 1/32	5/16	5/16
3/64	5/64 / 2mm	1/4RBK.045-1	1/4RBK.045-1-SS	1/4RBK.045-1-316SS	1/4RBK.045-1-AL	1/4RBK.045-1-NP	25/32	5/16	5/16
3/64	5/64 / 2mm	1/4RBK.045-2	1/4RBK.045-2-SS	1/4RBK.045-2-316SS	1/4RBK.045-2-AL	1/4RBK.045-2-NP	25/32	5/16	5/16
3/64	3/32	1/4RBK.045-2½	1/4RBK.045-2½-SS	1/4RBK.045-2½-316SS	1/4RBK.045-2½-AL	1/4RBK.045-2½-NP	25/32	5/16	5/16
3/64	1/8	1/4RBK.045-3	1/4RBK.045-3-SS	1/4RBK.045-316SS	1/4RBK.045-3-AL	1/4RBK.045-3-NP	7/8	5/16	5/16
3/64	5/32 / 4mm	1/4RBK.045-3½	1/4RBK.045-3½-SS	1/4RBK.045-3½-316SS	1/4RBK.045-3½-AL	1/4RBK.045-3½-NP	7/8	5/16	5/16
1/16	3/64	1/4RBK1-.045	1/4RBK1-.045-SS	1/4RBK1-.045-316SS	1/4RBK1-.045-AL	1/4RBK1-.045-NP	25/32	5/16	5/16
1/16	5/64 / 2mm	1/4RBK1-2	1/4RBK1-2-SS	1/4RBK1-2-316SS	1/4RBK1-2-AL	1/4RBK1-2-NP	27/32	5/16	5/16
1/16	3/32	1/4RBK1-2½	1/4RBK1-2½-SS	1/4RBK1-2½-316SS	1/4RBK1-2½-AL	1/4RBK1-2½-NP	27/32	5/16	5/16
1/16	1/8	1/4RBK1-3	1/4RBK1-3-SS	1/4RBK1-3-316SS	1/4RBK1-3-AL	1/4RBK1-3-NP	15/16	5/16	5/16
1/16	5/32 / 4mm	1/4RBK1-3½	1/4RBK1-3½-SS	1/4RBK1-3½-316SS	1/4RBK1-3½-AL	1/4RBK1-3½-NP	15/16	5/16	5/16
5/64 / 2mm	3/64	1/4RBK2-.045	1/4RBK2-.045-SS	1/4RBK2-.045-316SS	1/4RBK2-.045-AL	1/4RBK2-.045-NP	25/32	5/16	5/16
5/64 / 2mm	1/16	1/4RBK2-1	1/4RBK2-1-SS	1/4RBK2-1-316SS	1/4RBK2-1-AL	1/4RBK2-1-NP	27/32	5/16	5/16
5/64 / 2mm	3/32	1/4RBK2-2½	1/4RBK2-2½-SS	1/4RBK2-2½-316SS	1/4RBK2-2½-AL	1/4RBK2-2½-NP	27/32	5/16	5/16
5/64 / 2mm	1/8	1/4RBK2-3	1/4RBK2-3-SS	1/4RBK2-3-316SS	1/4RBK2-3-AL	1/4RBK2-3-NP	15/16	5/16	5/16
5/64 / 2mm	5/32 / 4mm	1/4RBK2-3½	1/4RBK2-3½-SS	1/4RBK2-3½-316SS	1/4RBK2-3½-AL	1/4RBK2-3½-NP	15/16	5/16	5/16
3/32	3/64	1/4RBK2½-.045	1/4RBK2½-.045-SS	1/4RBK2½-.045-316SS	1/4RBK2½-.045-AL	1/4RBK2½-.045-NP	25/32	5/16	5/16
3/32	1/16	1/4RBK2½-1	1/4RBK2½-1-SS	1/4RBK2½-1-316SS	1/4RBK2½-1-AL	1/4RBK2½-1-NP	27/32	5/16	5/16
3/32	5/64 / 2mm	1/4RBK2½-2	1/4RBK2½-2-SS	1/4RBK2½-2-316SS	1/4RBK2½-2-AL	1/4RBK2½-2-NP	27/32	5/16	5/16
3/32	1/8	1/4RBK2½-3	1/4RBK2½-3-SS	1/4RBK2½-316SS	1/4RBK2½-3-AL	1/4RBK2½-3-NP	15/16	5/16	5/16
3/32	5/32 / 4mm	1/4RBK2½-3½	1/4RBK2½-3½-SS	1/4RBK2½-3½-316SS	1/4RBK2½-3½-AL	1/4RBK2½-3½-NP	15/16	5/16	5/16
1/8	3/64	1/4RBK3-.045	1/4RBK3-.045-SS	1/4RBK3-.045-316SS	1/4RBK3-.045-AL	1/4RBK3-.045-NP	7/8	5/16	5/16
1/8	1/16	1/4RBK3-1	1/4RBK3-1-SS	1/4RBK3-1-316SS	1/4RBK3-1-AL	1/4RBK3-1-NP	15/16	5/16	5/16
1/8	5/64 / 2mm	1/4RBK3-2	1/4RBK3-2-SS	1/4RBK3-2-316SS	1/4RBK3-2-AL	1/4RBK3-2-NP	15/16	5/16	5/16
1/8	3/32	1/4RBK3-2½	1/4RBK3-2½-SS	1/4RBK3-2½-316SS	1/4RBK3-2½-AL	1/4RBK3-2½-NP	15/16	5/16	5/16
1/8	5/32 / 4mm	1/4RBK3-3½	1/4RBK3-3½-SS	1/4RBK3-3½-316SS	1/4RBK3-3½-AL	1/4RBK3-3½-NP	1 1/32	5/16	5/16
5/32 / 4mm	3/64	1/4RBK3½-.045	1/4RBK3½-.045-SS	1/4RBK3½-.045-316SS	1/4RBK3½-.045-AL	1/4RBK3½-.045-NP	7/8	5/16	5/16
5/32 / 4mm	1/16	1/4RBK3½-1	1/4RBK3½-1-SS	1/4RBK3½-1-316SS	1/4RBK3½-1-AL	1/4RBK3½-1-NP	15/16	5/16	5/16
5/32 / 4mm	5/64 / 2mm	1/4RBK3½-2	1/4RBK3½-2-SS	1/4RBK3½-2-316SS	1/4RBK3½-2-AL	1/4RBK3½-2-NP	15/16	5/16	5/16
5/32 / 4mm	3/32	1/4RBK3½-2½	1/4RBK3½-2½-SS	1/4RBK3½-2½-316SS	1/4RBK3½-2½-AL	1/4RBK3½-2½-NP	15/16	5/16	5/16
5/32 / 4mm	1/8	1/4RBK3½-3	1/4RBK3½-3-SS	1/4RBK3½-3-316SS	1/4RBK3½-3-AL	1/4RBK3½-3-NP	1 1/32	5/16	5/16
.170	3/64	1/4RBK4-.045	1/4RBK4-.045-SS	1/4RBK4-.045-316SS	1/4RBK4-.045-AL	1/4RBK4-.045-NP	29/32	5/16	5/16
.170	1/16	1/4RBK4-1	1/4RBK4-1-SS	1/4RBK4-1-316SS	1/4RBK4-1-AL	1/4RBK4-1-NP	31/32	5/16	5/16
.170	5/64 / 2mm	1/4RBK4-2	1/4RBK4-2-SS	1/4RBK4-2-316SS	1/4RBK4-2-AL	1/4RBK4-2-NP	31/32	5/16	5/16
.170	3/32	1/4RBK4-2½	1/4RBK4-2½-SS	1/4RBK4-2½-316SS	1/4RBK4-2½-AL	1/4RBK4-2½-NP	31/32	5/16	5/16
.170	1/8	1/4RBK4-3	1/4RBK4-3-SS	1/4RBK4-316SS	1/4RBK4-3-AL	1/4RBK4-3-NP	1 1/16	5/16	5/16
.170	5/32 / 4mm	1/4RBK4-3½	1/4RBK4-3½-SS	1/4RBK4-3½-316SS	1/4RBK4-3½-AL	1/4RBK4-3½-NP	1 1/16	5/16	5/16

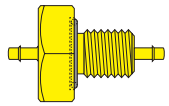
Z

657 1/4-28 In-line Bulkheads & Reducing Bulkheads with O-Ring Installed

Tube ID		Part Numbers					Dimensions (Reference)		
Hex Side Branch	Thread Side Branch	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
3/64	3/64	1/4BK.045-O	1/4BK.045-O-SS	1/4BK.045-O-316SS	1/4BK.045-O-AL	1/4BK.045-O-NP	13/16	1/2	5/16
1/16	1/16	1/4BK1-O	1/4BK1-O-SS	1/4BK1-O-316SS	1/4BK1-O-AL	1/4BK1-O-NP	15/16	1/2	5/16
5/64 / 2mm	5/64 / 2mm	1/4BK2-O	1/4BK2-O-SS	1/4BK2-O-316SS	1/4BK2-O-AL	1/4BK2-O-NP	15/16	1/2	5/16
3/32	3/32	1/4BK2 1/2-O	1/4BK2 1/2-O-SS	1/4BK2 1/2-O-316SS	1/4BK2 1/2-O-AL	1/4BK2 1/2-O-NP	15/16	1/2	5/16
1/8	1/8	1/4BK3-O	1/4BK3-O-SS	1/4BK3-O-316SS	1/4BK3-O-AL	1/4BK3-O-NP	1 1/8	1/2	5/16
5/32 / 4mm	5/32 / 4mm	1/4BK3 1/2-O	1/4BK3 1/2-O-SS	1/4BK3 1/2-O-316SS	1/4BK3 1/2-O-AL	1/4BK3 1/2-O-NP	1 1/8	1/2	5/16
3/64	1/16	1/4RBK.045-1-O	1/4RBK.045-1-O-SS	1/4RBK.045-1-O-316SS	1/4RBK.045-1-O-AL	1/4RBK.045-1-O-NP	7/8	1/2	5/16
3/64	5/64 / 2mm	1/4RBK.045-2-O	1/4RBK.045-2-O-SS	1/4RBK.045-2-O-316SS	1/4RBK.045-2-O-AL	1/4RBK.045-2-O-NP	7/8	1/2	5/16
3/64	3/32	1/4RBK.045-2 1/2-O	1/4RBK.045-2 1/2-O-SS	1/4RBK.045-2 1/2-O-316SS	1/4RBK.045-2 1/2-O-AL	1/4RBK.045-2 1/2-O-NP	7/8	1/2	5/16
3/64	1/8	1/4RBK.045-3-O	1/4RBK.045-3-O-SS	1/4RBK.045-3-O-316SS	1/4RBK.045-3-O-AL	1/4RBK.045-3-O-NP	31/32	1/2	5/16
3/64	5/32 / 4mm	1/4RBK.045-3 1/2-O	1/4RBK.045-3 1/2-O-SS	1/4RBK.045-3 1/2-O-316SS	1/4RBK.045-3 1/2-O-AL	1/4RBK.045-3 1/2-O-NP	31/32	1/2	5/16
1/16	3/64	1/4RBK1-.045-O	1/4RBK1-.045-O-SS	1/4RBK1-.045-O-316SS	1/4RBK1-.045-O-AL	1/4RBK1-.045-O-NP	7/8	1/2	5/16
1/16	5/64 / 2mm	1/4RBK1-2-O	1/4RBK1-2-O-SS	1/4RBK1-2-O-316SS	1/4RBK1-2-O-AL	1/4RBK1-2-O-NP	15/16	1/2	5/16
1/16	3/32	1/4RBK1-2 1/2-O	1/4RBK1-2 1/2-O-SS	1/4RBK1-2 1/2-O-316SS	1/4RBK1-2 1/2-O-AL	1/4RBK1-2 1/2-O-NP	15/16	1/2	5/16
1/16	1/8	1/4RBK1-3-O	1/4RBK1-3-O-SS	1/4RBK1-3-O-316SS	1/4RBK1-3-O-AL	1/4RBK1-3-O-NP	1 1/32	1/2	5/16
1/16	5/32 / 4mm	1/4RBK1-3 1/2-O	1/4RBK1-3 1/2-O-SS	1/4RBK1-3 1/2-O-316SS	1/4RBK1-3 1/2-O-AL	1/4RBK1-3 1/2-O-NP	1 1/32	1/2	5/16
5/64 / 2mm	3/64	1/4RBK2-.045-O	1/4RBK2-.045-O-SS	1/4RBK2-.045-O-316SS	1/4RBK2-.045-O-AL	1/4RBK2-.045-O-NP	7/8	1/2	5/16
5/64 / 2mm	1/16	1/4RBK2-1-O	1/4RBK2-1-O-SS	1/4RBK2-1-O-316SS	1/4RBK2-1-O-AL	1/4RBK2-1-O-NP	15/16	1/2	5/16
5/64 / 2mm	3/32	1/4RBK2-2 1/2-O	1/4RBK2-2 1/2-O-SS	1/4RBK2-2 1/2-O-316SS	1/4RBK2-2 1/2-O-AL	1/4RBK2-2 1/2-O-NP	15/16	1/2	5/16
5/64 / 2mm	1/8	1/4RBK2-3-O	1/4RBK2-3-O-SS	1/4RBK2-3-O-316SS	1/4RBK2-3-O-AL	1/4RBK2-3-O-NP	1 1/32	1/2	5/16
5/64 / 2mm	5/32 / 4mm	1/4RBK2-3 1/2-O	1/4RBK2-3 1/2-O-SS	1/4RBK2-3 1/2-O-316SS	1/4RBK2-3 1/2-O-AL	1/4RBK2-3 1/2-O-NP	1 1/32	1/2	5/16
3/32	3/64	1/4RBK2 1/2-.045-O	1/4RBK2 1/2-.045-O-SS	1/4RBK2 1/2-.045-O-316SS	1/4RBK2 1/2-.045-O-AL	1/4RBK2 1/2-.045-O-NP	7/8	1/2	5/16
3/32	1/16	1/4RBK2 1/2-1-O	1/4RBK2 1/2-1-O-SS	1/4RBK2 1/2-1-O-316SS	1/4RBK2 1/2-1-O-AL	1/4RBK2 1/2-1-NP	15/16	1/2	5/16
3/32	5/64 / 2mm	1/4RBK2 1/2-2-O	1/4RBK2 1/2-2-O-SS	1/4RBK2 1/2-2-O-316SS	1/4RBK2 1/2-2-O-AL	1/4RBK2 1/2-2-O-NP	15/16	1/2	5/16
3/32	1/8	1/4RBK2 1/2-3-O	1/4RBK2 1/2-3-O-SS	1/4RBK2 1/2-3-O-316SS	1/4RBK2 1/2-3-O-AL	1/4RBK2 1/2-3-O-NP	1 1/32	1/2	5/16
3/32	5/32 / 4mm	1/4RBK2 1/2-3 1/2-O	1/4RBK2 1/2-3 1/2-O-SS	1/4RBK2 1/2-3 1/2-O-316SS	1/4RBK2 1/2-3 1/2-O-AL	1/4RBK2 1/2-3 1/2-O-NP	1 1/32	1/2	5/16
1/8	3/64	1/4RBK3-.045-O	1/4RBK3-.045-O-SS	1/4RBK3-.045-O-316SS	1/4RBK3-.045-O-AL	1/4RBK3-.045-O-NP	31/32	1/2	5/16
1/8	1/16	1/4RBK3-1-O	1/4RBK3-1-O-SS	1/4RBK3-1-O-316SS	1/4RBK3-1-O-AL	1/4RBK3-1-O-NP	1 1/32	1/2	5/16
1/8	5/64 / 2mm	1/4RBK3-2-O	1/4RBK3-2-O-SS	1/4RBK3-2-O-316SS	1/4RBK3-2-O-AL	1/4RBK3-2-O-NP	1 1/32	1/2	5/16
1/8	3/32	1/4RBK3-2 1/2-O	1/4RBK3-2 1/2-O-SS	1/4RBK3-2 1/2-O-316SS	1/4RBK3-2 1/2-O-AL	1/4RBK3-2 1/2-O-NP	1 1/32	1/2	5/16
1/8	5/32 / 4mm	1/4RBK3-3 1/2-O	1/4RBK3-3 1/2-O-SS	1/4RBK3-3 1/2-O-316SS	1/4RBK3-3 1/2-O-AL	1/4RBK3-3 1/2-O-NP	1 1/8	1/2	5/16
5/32 / 4mm	3/64	1/4RBK3 1/2-.045-O	1/4RBK3 1/2-.045-O-SS	1/4RBK3 1/2-.045-O-316SS	1/4RBK3 1/2-.045-O-AL	1/4RBK3 1/2-.045-O-NP	31/32	1/2	5/16
5/32 / 4mm	1/16	1/4RBK3 1/2-1-O	1/4RBK3 1/2-1-O-SS	1/4RBK3 1/2-1-O-316SS	1/4RBK3 1/2-1-O-AL	1/4RBK3 1/2-1-O-NP	1 1/32	1/2	5/16
5/32 / 4mm	5/64 / 2mm	1/4RBK3 1/2-2-O	1/4RBK3 1/2-2-O-SS	1/4RBK3 1/2-2-O-316SS	1/4RBK3 1/2-2-O-AL	1/4RBK3 1/2-2-O-NP	1 1/32	1/2	5/16
5/32 / 4mm	3/32	1/4RBK3 1/2-2 1/2-O	1/4RBK3 1/2-2 1/2-O-SS	1/4RBK3 1/2-2 1/2-O-316SS	1/4RBK3 1/2-2 1/2-O-AL	1/4RBK3 1/2-2 1/2-O-NP	1 1/32	1/2	5/16
5/32 / 4mm	1/8	1/4RBK3 1/2-3	1/4RBK3 1/2-3-O-SS	1/4RBK3 1/2-3-O-316SS	1/4RBK3 1/2-3-O-AL	1/4RBK3 1/2-3-O-NP	1 1/8	1/2	5/16
.170	3/64	1/4RBK4-.045-O	1/4RBK4-.045-O-SS	1/4RBK4-.045-O-316SS	1/4RBK4-.045-O-AL	1/4RBK4-.045-O-NP	1	1/2	5/16
.170	1/16	1/4RBK4-1-O	1/4RBK4-1-O-SS	1/4RBK4-1-O-316SS	1/4RBK4-1-O-AL	1/4RBK4-1-O-NP	1 1/16	1/2	5/16
.170	5/64 / 2mm	1/4RBK4-2-O	1/4RBK4-2-O-SS	1/4RBK4-2-O-316SS	1/4RBK4-2-O-AL	1/4RBK4-2-O-NP	1 1/16	1/2	5/16
.170	3/32	1/4RBK4-2 1/2-O	1/4RBK4-2 1/2-O-SS	1/4RBK4-2 1/2-O-316SS	1/4RBK4-2 1/2-O-AL	1/4RBK4-2 1/2-O-NP	1 1/16	1/2	5/16
.170	1/8	1/4RBK4-3-O	1/4RBK4-3-O-SS	1/4RBK4-3-O-316SS	1/4RBK4-3-O-AL	1/4RBK4-3-O-NP	1 5/32	1/2	5/16
.170	5/32 / 4mm	1/4RBK4-3 1/2-O	1/4RBK4-3 1/2-O-SS	1/4RBK4-3 1/2-O-316SS	1/4RBK4-3 1/2-O-AL	1/4RBK4-3 1/2-O-NP	1 5/32	1/2	5/16



Supplied with Lockwasher & Nut or All-in-One Combination!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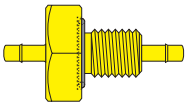
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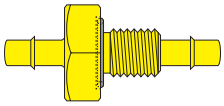
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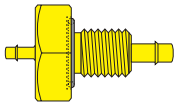
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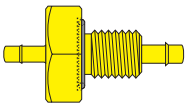
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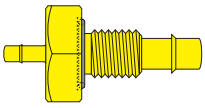
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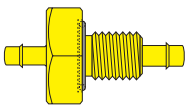
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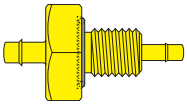
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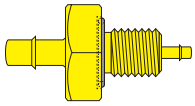
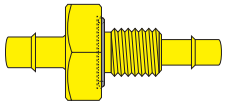
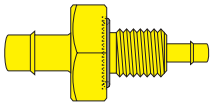

1/4RBK 3-.045-O

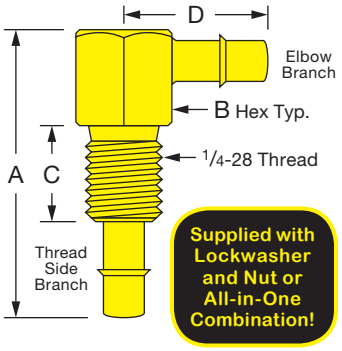

1/4RBK 3 1/2-3-O

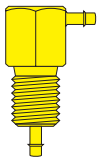
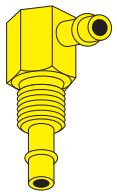

1/4 RBK4-2-O

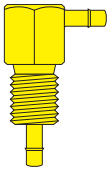
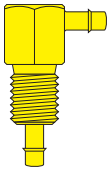
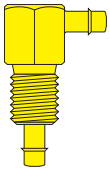
O-Rings materials options are listed on page 65!

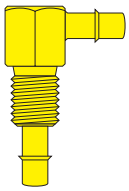
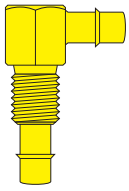
Z

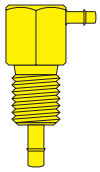
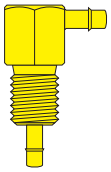
1/4-28 Elbow Bulkheads & Reducing Bulkheads 658

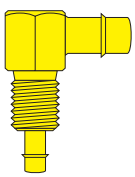
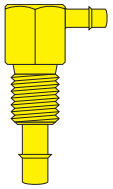


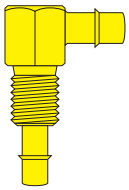


1/4BK .045-L.045




1/4 BK1-L1 | 1/4 BK2-L2 | 1/4BK 2½-L2½



1/4BK3-L3 | 1/4BK3½-L3½



1/4RBK1-L.045 | 1/4BK1-L2



1/4RBK2½-L4 | 1/4RBK3-L2


1/4RBK3-L3½

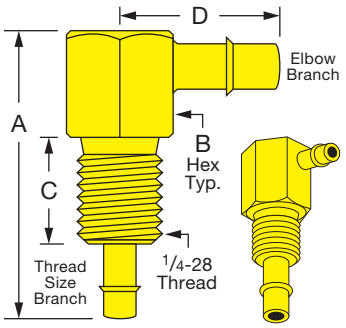
Continued on next page.

Note: *Dimensions may vary at time of manufacturing.*

Tube ID		Part Numbers				Dimensions (Reference)			
Thread Side Branch	Elbow Branch	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
3/64	3/64	1/4BBK.045-L.045	1/4BK.045-L.045-SS	1/4BK.045-L.045-316SS	1/4BK.045-L.045-NP	25/32	5/16	5/16	5/16
1/16	1/16	1/4BK1-L1	1/4BK1-L1-SS	1/4BK1-L1-316SS	1/4BK1-L1-NP	27/32	5/16	5/16	5/8
5/64 / 2mm	5/64 / 2mm	1/4BK2-L2	1/4BK2-L2-SS	1/4BK2-L2-316SS	1/4BK2-L2NP	27/32	5/16	5/16	5/8
3/32	3/32	1/4BK2½-L2½	1/4BK2½-L2½-SS	1/4BK2½-L2½-316SS	1/4BK2½-L2½-NP	27/32	5/16	5/16	5/8
1/8	1/8	1/4BK3-L3	1/4BK3-L3-SS	1/4BK3-L3-316SS	1/4BK3-L3-NP	15/16	5/16	5/16	15/32
5/32 / 4mm	5/32 / 4mm	1/4BK3½-L3½	1/4BK3½-L3½-SS	1/4BK3½-L3½-316SS	1/4BK3½-L3½-NP	15/16	5/16	5/16	15/32
3/64	1/16	1/4RBK.045-L1	1/4RBK.045-L1-SS	1/4RBK.045-L1-316SS	1/4RBK.045-L1-NP	25/32	5/16	5/16	5/8
3/64	5/64 / 2mm	1/4RBK.045-L2	1/4RBK.045-L2-SS	1/4RBK.045-L2-316SS	1/4RBK.045-L2-NP	25/32	5/16	5/16	5/8
3/64	3/32	1/4RBK.045-L2½	1/4RBK.045-L2½-SS	1/4RBK.045-L2½-316SS	1/4RBK.045-L2½-NP	25/32	5/16	5/16	5/8
3/64	1/8	1/4RBK.045-L3	1/4RBK.045-L3-SS	1/4RBK.045-L3-316SS	1/4RBK.045-L3-NP	25/32	5/16	5/16	15/32
3/64	5/32 / 4mm	1/4RBK.045-L3½	1/4RBK.045-L3½-SS	1/4RBK.045-L3½-316SS	1/4RBK.045-L3½-NP	25/32	5/16	5/16	15/32
3/64	.170	1/4RBK.045-L4	1/4RBK.045-L4-SS	1/4RBK.045-L4-316SS	1/4RBK.045-L4-NP	25/32	5/16	5/16	1/2
1/16	3/64	1/4RBK1-L.045	1/4RBK1-L.045-SS	1/4RBK1-L.045-316SS	1/4RBK1-L.045-NP	15/16	5/16	5/16	5/16
1/16	5/64 / 2mm	1/4RBK1-L2	1/4RBK1-L2-SS	1/4RBK1-L2-316SS	1/4RBK1-L2-NP	15/16	5/16	5/16	5/8
1/16	3/32	1/4RBK1-L2½	1/4RBK1-L2½-SS	1/4RBK1-L2½-316SS	1/4RBK1-L2½-NP	15/16	5/16	5/16	5/8
1/16	1/8	1/4RBK1-L3	1/4RBK1-L3-SS	1/4RBK1-L3-316SS	1/4RBK1-L3-NP	15/16	5/16	5/16	5/8
1/16	5/32 / 4mm	1/4RBK1-L3½	1/4RBK1-L3½-SS	1/4RBK1-L3½-316SS	1/4RBK1-L3½-NP	15/16	5/16	5/16	15/32
1/16	.170	1/4RBK1-L4	1/4RBK1-L4-SS	1/4RBK1-L4-316SS	1/4RBK1-L4-NP	15/16	5/16	5/16	1/2
5/64 / 2mm	3/64	1/4RBK2-L.045	1/4RBK2-L.045-SS	1/4RBK2-L.045-316SS	1/4RBK2-L.045-NP	15/16	5/16	5/16	5/16
5/64 / 2mm	1/16	1/4RBK2-L1	1/4RBK2-L1-SS	1/4RBK2-L1-316SS	1/4RBK2-L1-NP	15/16	5/16	5/16	5/8
5/64 / 2mm	3/32	1/4RBK2-L2½	1/4RBK2-L2½-SS	1/4RBK2-L2½-316SS	1/4RBK2-L2½-NP	15/16	5/16	5/16	5/8
5/64 / 2mm	1/8	1/4RBK2-L3	1/4RBK2-L3-SS	1/4RBK2-L3-316SS	1/4RBK2-L3-NP	15/16	5/16	5/16	5/8
5/64 / 2mm	5/32 / 4mm	1/4RBK2-L3½	1/4RBK2-L3½-SS	1/4RBK2-L3½-316SS	1/4RBK2-L3½-NP	15/16	5/16	5/16	15/32
5/64 / 2mm	.170	1/4RBK2-L4	1/4RBK2-L4-SS	1/4RBK2-L4-316SS	1/4RBK2-L4-NP	15/16	5/16	5/16	1/2
3/32	3/64	1/4RBK2½-L.045	1/4RBK2½-L.045-SS	1/4RBK2½-L.045-316SS	1/4RBK2½-L.045-NP	15/16	5/16	5/16	5/16
3/32	1/16	1/4RBK2½-L1	1/4RBK2½-L1-SS	1/4RBK2½-L1-316SS	1/4RBK2½-L1-NP	15/16	5/16	5/16	5/8
3/32	5/64 / 2mm	1/4RBK2½-L2	1/4RBK2½-L2-SS	1/4RBK2½-L2-316SS	1/4RBK2½-L2-NP	15/16	5/16	5/16	5/8
3/32	1/8	1/4RBK2½-L3	1/4RBK2½-L3-SS	1/4RBK2½-L3-316SS	1/4RBK2½-L3-NP	15/16	5/16	5/16	5/8
3/32	5/32 / 4mm	1/4RBK2½-L3½	1/4RBK2½-L3½-SS	1/4RBK2½-L3½-316SS	1/4RBK2½-L3½-NP	15/16	5/16	5/16	15/32
3/32	5/32 / 4mm	1/4RBK2½-L4	1/4RBK2½-L4-SS	1/4RBK2½-L4-316SS	1/4RBK2½-L4-NP	15/16	5/16	5/16	1/2
1/8	3/64	1/4RBK3-L.045	1/4RBK3-L.045-SS	1/4RBK3-L.045-316SS	1/4RBK3-L.045-NP	15/16	5/16	5/16	5/16
1/8	1/16	1/4RBK3-L1	1/4RBK3-L1-SS	1/4RBK3-L1-316SS	1/4RBK3-L1-NP	15/16	5/16	5/16	5/8
1/8	5/64 / 2mm	1/4RBK3-L2	1/4RBK3-L2-SS	1/4RBK3-L2-316SS	1/4RBK3-L2-NP	15/16	5/16	5/16	5/8
1/8	3/32	1/4RBK3-L2½	1/4RBK3-L2½-SS	1/4RBK3-L2½-316SS	1/4RBK3-L2½-NP	15/16	5/16	5/16	5/8
1/8	5/32 / 4mm	1/4RBK3-L3½	1/4RBK3-L3½-SS	1/4RBK3-L3½-316SS	1/4RBK3-L3½-NP	15/16	5/16	5/16	15/32
1/8	.170	1/4RBK3-L4	1/4RBK3-L4-SS	1/4RBK3-L4-316SS	1/4RBK3-L4-NP	15/16	5/16	5/16	1/2

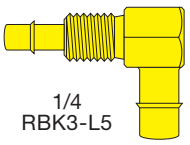
659 — 1/4-28 Elbow Bulkheads & Reducing Bulkheads (cont.)

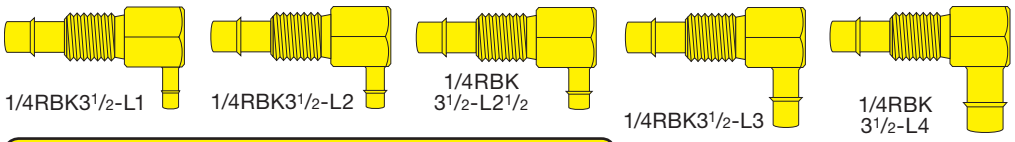
Tube ID		Part Numbers				Dimensions (Reference)			
Thread Side Branch	Elbow Branch	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
5/32 / 4mm	3/64	1/4RBK3 1/2-L.045	1/4RBK3 1/2-L.045-SS	1/4RBK3 1/2-L.045-316SS	1/4RBK3 1/2-L.045-NP	15/16	5/16	5/16	5/16
5/32 / 4mm	1/16	1/4RBK3 1/2-L1	1/4RBK3 1/2-L1-SS	1/4RBK3 1/2-L1-316SS	1/4RBK3 1/2-L1-NP	15/16	5/16	5/16	5/8
5/32 / 4mm	5/64 / 2mm	1/4RBK3 1/2-L2	1/4RBK3 1/2-L2-SS	1/4RBK3 1/2-L2-316SS	1/4RBK3 1/2-L2-NP	15/16	5/16	5/16	5/8
5/32 / 4mm	3/32	1/4RBK3 1/2-L2 1/2	1/4RBK3 1/2-L2 1/2-SS	1/4RBK3 1/2-L2 1/2-316SS	1/4RBK3 1/2-L2 1/2-NP	15/16	5/16	5/16	5/8
5/32 / 4mm	1/8	1/4RBK3 1/2-L3	1/4RBK3 1/2-L3-SS	1/4RBK3 1/2-L3-316SS	1/4RBK3 1/2-L3-NP	15/16	5/16	5/16	15/32
5/32 / 4mm	.170	1/4RBK3 1/2-L4	1/4RBK3 1/2-L4-SS	1/4RBK3 1/2-L4-316SS	1/4RBK3 1/2-L4-NP	15/16	5/16	5/16	1/2



Other branch sizes available!

Sample of the many options available! Consult factory for details!

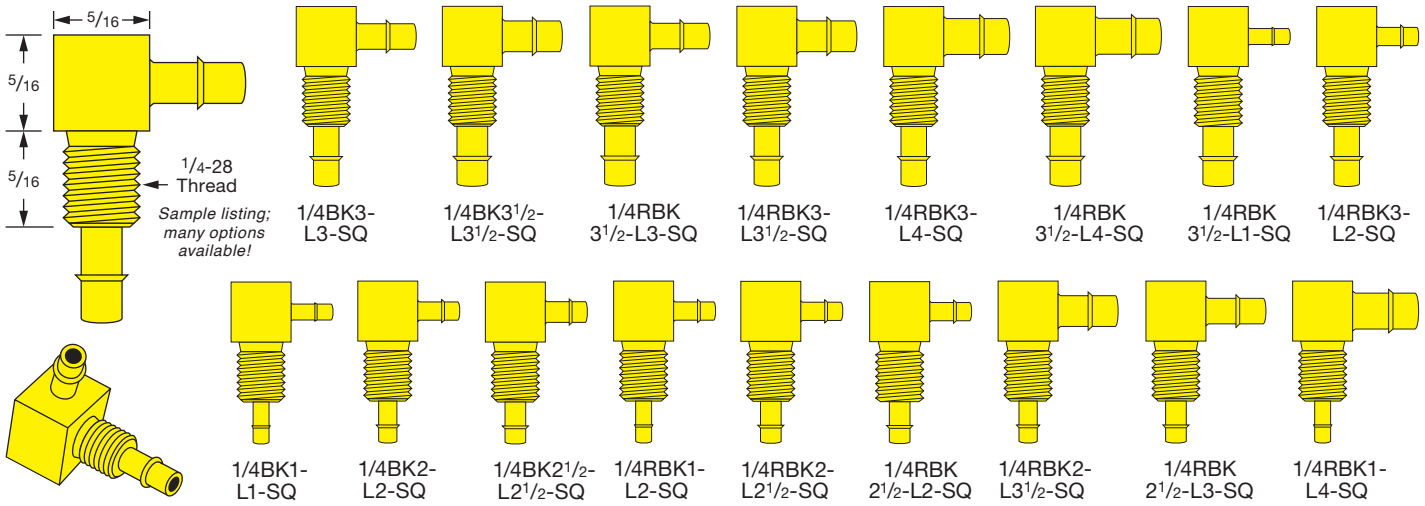




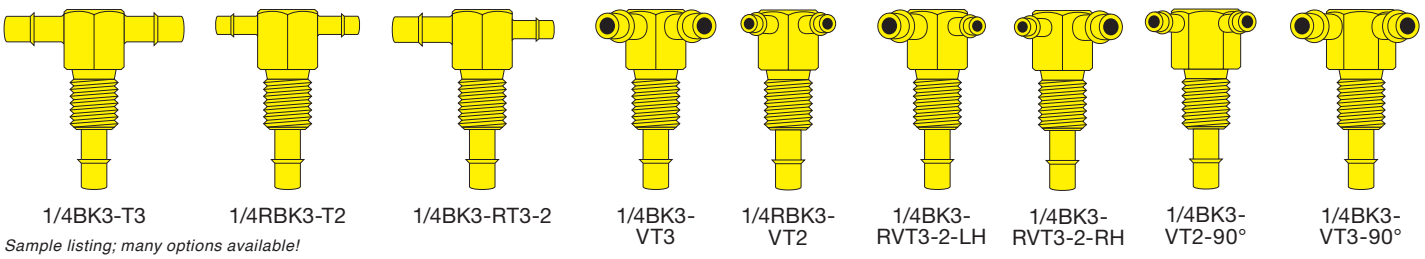
Supplied with Lockwasher and Nut or All-in-One Combination!

Note: *Images are for visual representation only. Dimensions may vary at time of manufacturing.*

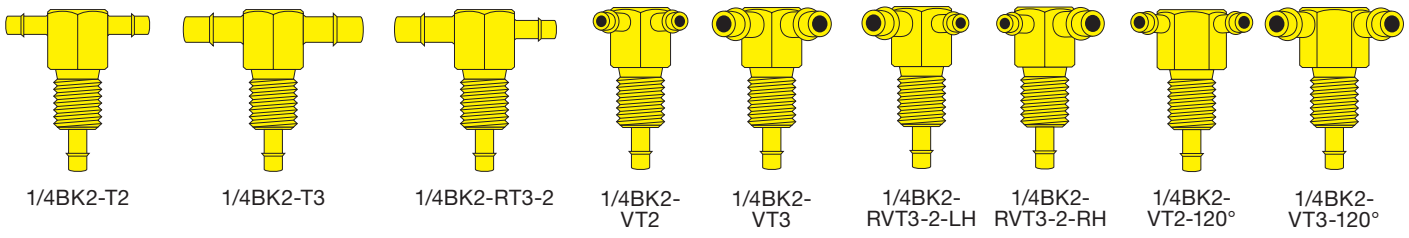
1/4-28 Elbow Bulkheads are also available with square bodies! Consult factory for details!



1/4-28 Tee & V-Tee Bulkheads also available! Consult factory for details & specifications!

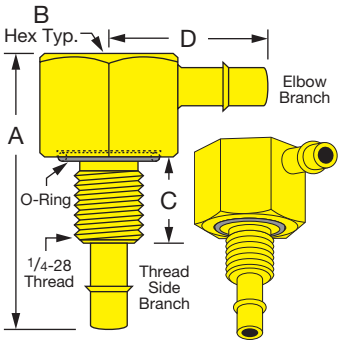


Sample listing; many options available!

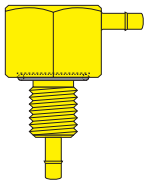


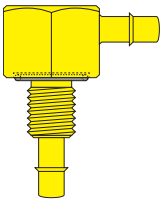
Z

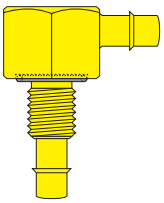
1/4-28 Elbow Bulkheads & Reducing Bulkheads with O-Ring Installed — 660

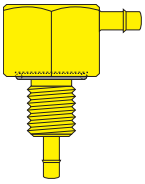


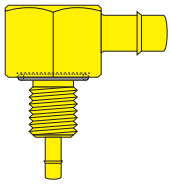
Supplied with Lockwasher & Nut or All-in-One Combination!

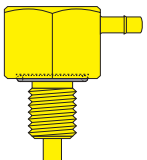

1/4BK1-L1-O

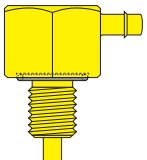

1/4BK3-L3-O

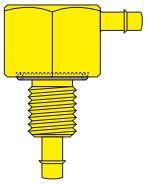

1/4BK3½-L3½-O

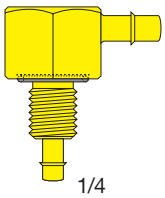

1/4RBK1-L2-O

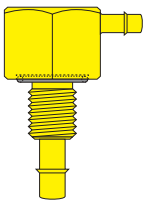

1/4RBK1-L4-O


1/4RBK2-L1-O


1/4RBK2-L2½-O


1/4RBK2½-L2-O


1/4 RBK2½-L3-O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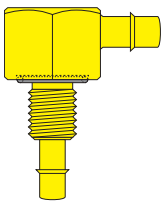

1/4RBK3-L3½-O

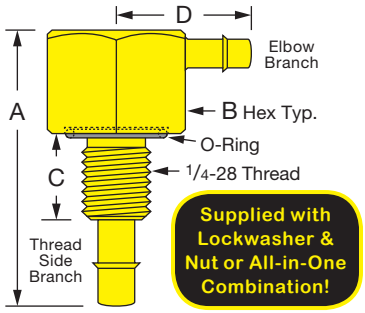
Continued on next page.

Tube ID		Part Numbers				Dimensions (Reference)			
Thread Side Branch	Elbow Branch	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
3/64	3/64	1/4BBK.045-L.045-O	1/4BK.045-L.045-O-SS	1/4BK.045-L.045-O-316SS	1/4BK.045-L.045-O-NP	13/16	1/2	5/16	13/32
1/16	1/16	1/4BK1-L1-O	1/4BK1-L1-O-SS	1/4BK1-L1-O-316SS	1/4BK1-L1-O-NP	7/8	1/2	5/16	13/32
5/64 / 2mm	5/64 / 2mm	1/4BK2-L2-O	1/4BK2-L2-O-SS	1/4BK2-L2-O-316SS	1/4BK2-L2-O-NP	7/8	1/2	5/16	15/32
3/32	3/32	1/4BK2½-L2½-O	1/4BK2½-L2½-O-SS	1/4BK2½-L2½-O-316SS	1/4BK2½-L2½-O-NP	7/8	1/2	5/16	15/32
1/8	1/8	1/4BK3-L3-O	1/4BK3-L3-O-SS	1/4BK3-L3-O-316SS	1/4BK3-L3-O-NP	1	1/2	5/16	9/16
5/32 / 4mm	5/32 / 4mm	1/4BK3½-L3½-O	1/4BK3½-L3½-O-SS	1/4BK3½-L3½-O-316SS	1/4BK3½-L3½-O-NP	1	1/2	15/16	9/16
3/64	1/16	1/4RBK.045-L1-O	1/4RBK.045-L1-O-SS	1/4RBK.045-L1-O-316SS	1/4RBK.045-L1-O-NP	13/16	1/2	5/16	15/32
3/64	5/64 / 2mm	1/4RBK.045-L2-O	1/4RBK.045-L2-O-SS	1/4RBK.045-L2-O-316SS	1/4RBK.045-L2-O-NP	13/16	1/2	5/16	15/32
3/64	3/32	1/4RBK.045-L2½-O	1/4RBK.045-L2½-O-SS	1/4RBK.045-L2½-O-316SS	1/4RBK.045-L2½-O-NP	13/16	1/2	5/16	15/32
3/64	1/8	1/4RBK.045-L3-O	1/4RBK.045-L3-O-SS	1/4RBK.045-L3-O-316SS	1/4RBK.045-L3-O-NP	13/16	1/2	5/16	9/16
3/64	5/32 / 4mm	1/4RBK.045-L3½-O	1/4RBK.045-L3½-O-SS	1/4RBK.045-L3½-O-316SS	1/4RBK.045-L3½-O-NP	13/16	1/2	5/16	9/16
3/64	.170	1/4RBK.045-L4-O	1/4RBK.045-L4-O-SS	1/4RBK.045-L4-O-316SS	1/4RBK.045-L4-O-NP	13/16	1/2	5/16	19/32
1/16	3/64	1/4RBK1-L.045-O	1/4RBK1-L.045-O-SS	1/4RBK1-L.045-O-316SS	1/4RBK1-L.045-O-NP	7/8	1/2	5/16	13/32
1/16	5/64 / 2mm	1/4RBK1-L2-O	1/4RBK1-L2-O-SS	1/4RBK1-L2-O-316SS	1/4RBK1-L2-O-NP	7/8	1/2	5/16	15/32
1/16	3/32	1/4RBK1-L2½-O	1/4RBK1-L2½-O-SS	1/4RBK1-L2½-O-316SS	1/4RBK1-L2½-O-NP	7/8	1/2	5/16	15/32
1/16	1/8	1/4RBK1-L3-O	1/4RBK1-L3-O-SS	1/4RBK1-L3-O-316SS	1/4RBK1-L3-O-NP	7/8	1/2	5/16	9/16
1/16	5/32 / 4mm	1/4RBK1-L3½-O	1/4RBK1-L3½-O-SS	1/4RBK1-L3½-O-316SS	1/4RBK1-L3½-O-NP	7/8	1/2	5/16	9/16
1/16	.170	1/4RBK1-L4-O	1/4RBK1-L4-O-SS	1/4RBK1-L4-O-316SS	1/4RBK1-L4-O-NP	7/8	1/2	5/16	19/32
5/64 / 2mm	3/64	1/4RBK2-L.045-O	1/4RBK2-L.045-O-SS	1/4RBK2-L.045-O-316SS	1/4RBK2-L.045-O-NP	7/8	1/2	5/16	13/32
5/64 / 2mm	1/16	1/4RBK2-L1-O	1/4RBK2-L1-O-SS	1/4RBK2-L1-O-316SS	1/4RBK2-L1-O-NP	7/8	1/2	5/16	15/32
5/64 / 2mm	3/32	1/4RBK2-L2½-O	1/4RBK2-L2½-O-SS	1/4RBK2-L2½-O-316SS	1/4RBK2-L2½-O-NP	7/8	1/2	5/16	15/32
5/64 / 2mm	1/8	1/4RBK2-L3-O	1/4RBK2-L3-O-SS	1/4RBK2-L3-O-316SS	1/4RBK2-L3-O-NP	7/8	1/2	5/16	9/16
5/64 / 2mm	5/32 / 4mm	1/4RBK2-L3½-O	1/4RBK2-L3½-O-SS	1/4RBK2-L3½-O-316SS	1/4RBK2-L3½-O-NP	7/8	1/2	5/16	9/16
5/64 / 2mm	.170	1/4RBK2-L4-O	1/4RBK2-L4-O-SS	1/4RBK2-L4-O-316SS	1/4RBK2-L4-O-NP	7/8	1/2	5/16	19/32
3/32	3/64	1/4RBK2½-L.045-O	1/4RBK2½-L.045-O-SS	1/4RBK2½-L.045-O-316SS	1/4RBK2½-L.045-O-NP	7/8	1/2	5/16	13/32
3/32	1/16	1/4RBK2½-L1-O	1/4RBK2½-L1-O-SS	1/4RBK2½-L1-O-316SS	1/4RBK2½-L1-O-NP	7/8	1/2	5/16	15/32
3/32	5/64 / 2mm	1/4RBK2½-L2-O	1/4RBK2½-L2-O-SS	1/4RBK2½-L2-O-316SS	1/4RBK2½-L2-O-NP	7/8	1/2	5/16	15/32
3/32	1/8	1/4RBK2½-L3-O	1/4RBK2½-L3-O-SS	1/4RBK2½-L3-O-316SS	1/4RBK2½-L3-O-NP	7/8	1/2	5/16	15/32
3/32	5/32 / 4mm	1/4RBK2½-L3½-O	1/4RBK2½-L3½-O-SS	1/4RBK2½-L3½-O-316SS	1/4RBK2½-L3½-O-NP	7/8	1/2	5/16	1/2
3/32	5/32 / 4mm	1/4RBK2½-L4-O	1/4RBK2½-L4-O-SS	1/4RBK2½-L4-O-316SS	1/4RBK2½-L4-O-NP	7/8	1/2	5/16	19/32
1/8	3/64	1/4RBK3-L.045-O	1/4RBK3-L.045-O-SS	1/4RBK3-L.045-O-316SS	1/4RBK3-L.045-O-NP	1	1/2	5/16	13/32
1/8	1/16	1/4RBK3-L1-O	1/4RBK3-L1-O-SS	1/4RBK3-L1-O-316SS	1/4RBK3-L1-O-NP	1	1/2	5/16	15/32
1/8	5/64 / 2mm	1/4RBK3-L2-O	1/4RBK3-L2-O-SS	1/4RBK3-L2-O-316SS	1/4RBK3-L2-O-NP	1	1/2	5/16	15/32
1/8	3/32	1/4RBK3-L2½-O	1/4RBK3-L2½-O-SS	1/4RBK3-L2½-O-316SS	1/4RBK3-L2½-O-NP	1	1/2	5/16	9/16
1/8	5/32 / 4mm	1/4RBK3-L3½-O	1/4RBK3-L3½-O-SS	1/4RBK3-L3½-O-316SS	1/4RBK3-L3½-O-NP	1	1/2	5/16	9/16
1/8	.170	1/4RBK3-L4-O	1/4RBK3-L4-O-SS	1/4RBK3-L4-O-316SS	1/4RBK3-L4-O-NP	1	1/2	5/16	19/32

Z

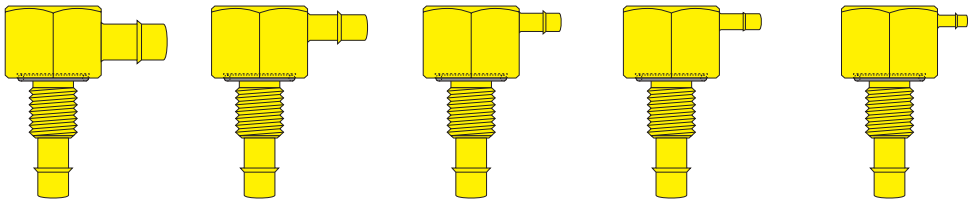
661 1/4-28 Elbow Reducing Bulkheads with O-Ring Installed (cont.)

Tube ID		Part Numbers				Dimensions (Reference)			
Thread Side Branch	Elbow Branch	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
5/32 / 4mm	3/64	1/4RBK3 1/2-L.045-O	1/4RBK3 1/2-L.045-O-SS	1/4RBK3 1/2-L.045-O-316SS	1/4RBK3 1/2-L.045-O-NP	1	1/2	5/16	13/32
5/32 / 4mm	1/16	1/4RBK3 1/2-L1-O	1/4RBK3 1/2-L1-O-SS	1/4RBK3 1/2-L1-O-316SS	1/4RBK3 1/2-L1-O-NP	1	1/2	5/16	15/32
5/32 / 4mm	5/64 / 2mm	1/4RBK3 1/2-L2-O	1/4RBK3 1/2-L2-O-SS	1/4RBK3 1/2-L2-O-316SS	1/4RBK3 1/2-L2-O-NP	1	1/2	5/16	15/32
5/32 / 4mm	3/32	1/4RBK3 1/2-L2 1/2-O	1/4RBK3 1/2-L2 1/2-O-SS	1/4RBK3 1/2-L2 1/2-O-316SS	1/4RBK3 1/2-L2 1/2-O-NP	1	1/2	5/16	9/16
5/32 / 4mm	5/32 / 4mm	1/4RBK3 1/2-L3-O	1/4RBK3 1/2-L3-O-SS	1/4RBK3 1/2-L3-O-316SS	1/4RBK3 1/2-L3-O-NP	1	1/2	5/16	9/16
5/32 / 4mm	.170	1/4RBK3 1/2-L4-O	1/4RBK3 1/2-L4-O-SS	1/4RBK3 1/2-L4-O-316SS	1/4RBK3 1/2-L4-O-NP	1	1/2	5/16	19/32



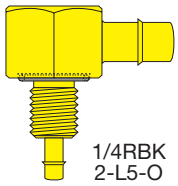
Supplied with Lockwasher & Nut or All-in-One Combination!

O-Ring options listed on page 65!



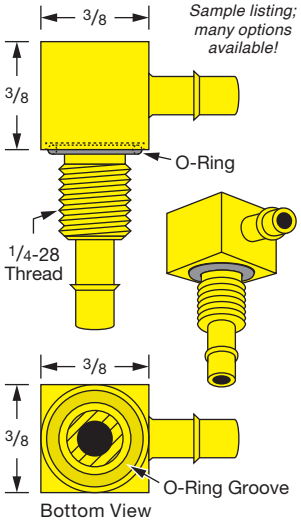
1/4RBK3 1/2-L4-O | 1/4RBK3 1/2-L3-O | 1/4RBK3 1/2-L2-O | 1/4RBK3 1/2-L1-O | 1/4RBK3 1/2-L.045-O

Consult factory for other branch sizes!

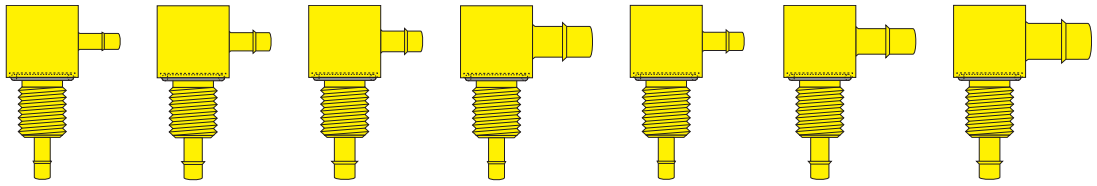


1/4RBK 2-L5-O

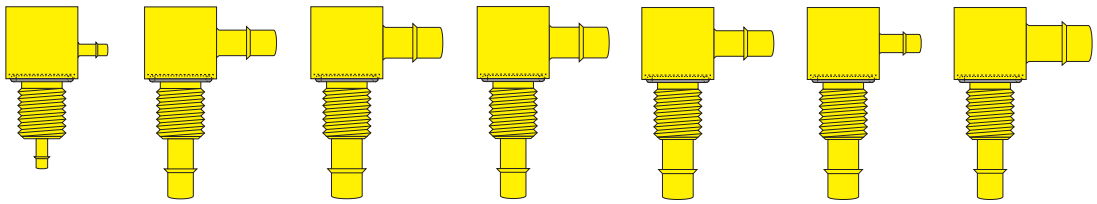
1/4-28 Thread Elbow Bulkheads with O-Rings are also available with square bodies! Consult factory for details!



Bottom View

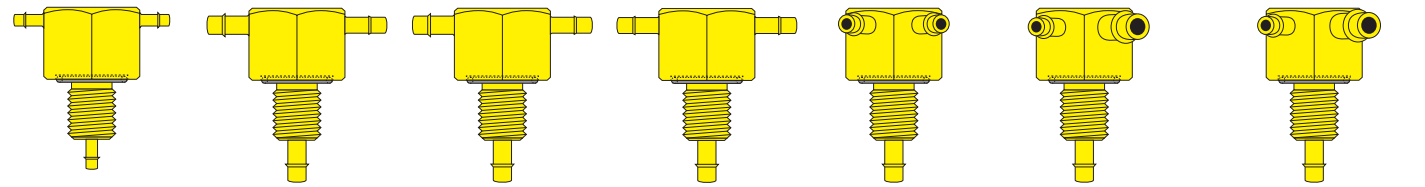


1/4BK1-L1-SQ-O | 1/4BK2-L2-SQ-O | 1/4RBK2 1/2-L2 1/2-SQ-O | 1/4RBK1-L3 1/2-SQ-O | 1/4RBK1-L2-SQ-O | 1/4RBK2-L3-SQ-O | 1/4RBK2 1/2-L4-SQ-O

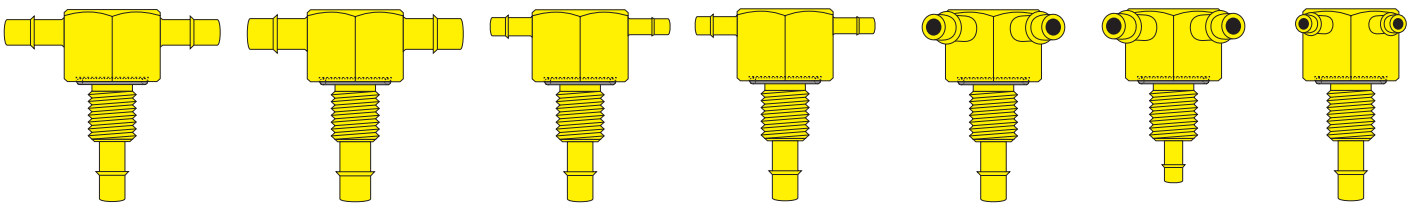


1/4BK.045-L.045-SQ-O | 1/4BK3-L3-SQ-O | 1/4BK3 1/2-L3 1/2-SQ-O | 1/4RBK3-L3 1/2-SQ-O | 1/4RBK3 1/2-L3-SQ-O | 1/4RBK3 1/2-L2-SQ-O | 1/4RBK3-L4-SQ-O

1/4-28 Thread Tee & V-Tee Bulkheads with O-Rings also available! Consult factory for details & specifications!

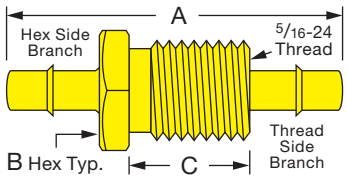


1/4BK.045-T.045-O | 1/4BK2-T2-O | 1/4BK2-T2-1-O | 1/4BK2-T1-O | 1/4BK2-VT2-O | 1/4BK2-RVT3-2-LH-O | 1/4BK2-RVT3-2-RH-O

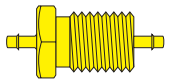


1/4BK3-T3-O | 1/4BK3 1/2-T3 1/2-O | 1/4BK3-T2-O | 1/4RBK3-RT2-1-O | 1/4BK3-VT3-O | 1/4RBK2-VT3-O | 1/4BK3-VT2-O

5/16-24 In-line Bulkheads & Reducing Bulkheads 662



Supplied with Lockwasher & Nut or All-in-One Combination!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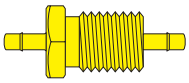
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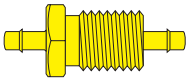
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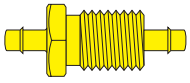
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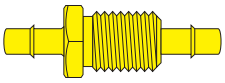
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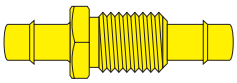
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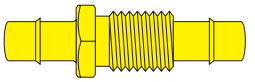
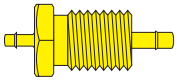
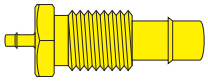
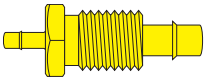

5/16BK5


5/16 RBK.045-1


5/16 RBK.045-5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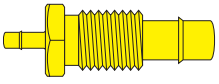
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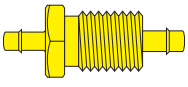
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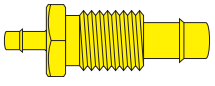
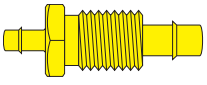

5/16RBK2-4


5/16 RBK2½-3½

Continued on next page.

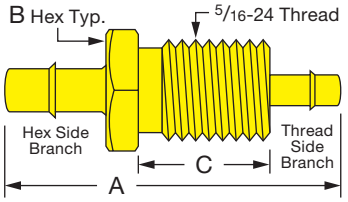
5/16-18 Bulkheads available! O-Ring options also available! Consult factory for details!

Tube ID		Part Numbers					Dimensions (Reference)		
Hex Side Branch	Thread Side Branch	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
3/64	3/64	5/16 BK.045	5/16BK.045-SS	5/16BK.045-316SS	5/16BK.045-AL	5/16BK.045-NP	.818	3/8	13/32
1/16	1/16	5/16BK1	5/16BK1-SS	5/16BK1-316SS	5/16BK1-AL	5/16BK1-NP	.945	3/8	13/32
5/64 / 2mm	5/64 / 2mm	5/16BK2	5/16BK2-SS	5/16BK2-316SS	5/16BK2-AL	5/16BK2-NP	.945	3/8	13/32
3/32	3/32	5/16BK2½	5/16BK2½-SS	5/16BK2½-316SS	5/16BK2½-AL	5/16BK2½-NP	.945	3/8	13/32
1/8	1/8	5/16BK3	5/16BK3-SS	5/16BK3-316SS	5/16BK3-AL	5/16BK3-NP	1.131	3/8	13/32
5/32 / 4mm	5/32 / 4mm	5/16BK3½	5/16BK3½-SS	5/16BK3½-316SS	5/16BK3½-AL	5/16BK3½-NP	1.131	3/8	13/32
.170	.170	5/16BK4	5/16BK4-SS	5/16BK4-316SS	5/16BK4-AL	5/16BK4-NP	1.194	3/8	13/32
3/16	3/16	5/16BK5	5/16BK5-SS	5/16BK5-316SS	5/16BK5-AL	5/16BK5-NP	1.260	3/8	13/32
3/64	1/16	5/16RBK .045-1	5/16RBK.045-1-SS	5/16RBK.045-1-316SS	5/16RBK.045-1-AL	5/16RBK.045-1-NP	.881	3/8	13/32
3/64	5/64 / 2mm	5/16RBK .045-2	5/16RBK.045-2-SS	5/16RBK.045-2-316SS	5/16RBK.045-2-AL	5/16RBK.045-2-NP	.881	3/8	13/32
3/64	3/32	5/16RBK .045-2½	5/16RBK.045-2½-SS	5/16RBK.045-2½-316SS	5/16RBK.045-2½-AL	5/16RBK.045-2½-NP	.881	3/8	13/32
3/64	1/8	5/16RBK .045-3	5/16RBK.045-3-SS	5/16RBK.045-3-316SS	5/16RBK.045-3-AL	5/16RBK.045-3-NP	.975	3/8	13/32
3/64	5/32 / 4mm	5/16RBK .045-3½	5/16RBK.045-3½-SS	5/16RBK.045-3½-316SS	5/16RBK.045-3½-AL	5/16RBK.045-3½-NP	.975	3/8	13/32
3/64	.170	5/16RBK .045-4	5/16RBK.045-4-SS	5/16RBK.045-4-316SS	5/16RBK.045-4-AL	5/16RBK.045-4-NP	1.006	3/8	13/32
3/64	3/16	5/16RBK .045-5	5/16RBK.045-5-SS	5/16RBK.045-5-316SS	5/16RBK.045-5-AL	5/16RBK.045-5-NP	1.038	3/8	13/32
1/16	3/64	5/16RBK1-.045	5/16RBK1-.045-SS	5/16RBK1-.045-316SS	5/16RBK1-.045-AL	5/16RBK1-.045-NP	.881	3/8	13/32
1/16	5/64 / 2mm	5/16RBK1-2	5/16RBK1-2-SS	5/16RBK1-2-316SS	5/16RBK1-2-AL	5/16RBK1-2-NP	.945	3/8	13/32
1/16	3/32	5/16RBK1-2½	5/16RBK1-2½-SS	5/16RBK1-2½-316SS	5/16RBK1-2½-AL	5/16RBK1-2½-NP	.945	3/8	13/32
1/16	1/8	5/16RBK1-3	5/16RBK1-3-SS	5/16RBK1-3-316SS	5/16RBK1-3-AL	5/16RBK1-3-NP	1.038	3/8	13/32
1/16	5/32 / 4mm	5/16RBK1-3½	5/16RBK1-3½-SS	5/16RBK1-3½-316SS	5/16RBK1-3½-AL	5/16RBK1-3½-NP	1.038	3/8	13/32
1/16	.170	5/16RBK1-4	5/16RBK1-4-SS	5/16RBK1-4-316SS	5/16RBK1-4-AL	5/16RBK1-4-NP	1.069	3/8	13/32
1/16	3/16	5/16RBK1-5	5/16RBK1-5-SS	5/16RBK1-5-316SS	5/16RBK1-5-AL	5/16RBK1-5-NP	1.100	3/8	13/32
5/64 / 2mm	3/64	5/16RBK2-.045	5/16RBK2-.045-SS	5/16RBK2-.045-316SS	5/16RBK2-.045-AL	5/16RBK2-.045-NP	.881	3/8	13/32
5/64 / 2mm	1/16	5/16RBK2-1	5/16RBK2-1-SS	5/16RBK2-1-316SS	5/16RBK2-1-AL	5/16RBK2-1-NP	.945	3/8	13/32
5/64 / 2mm	3/32	5/16RBK 2½-2	5/16RBK2½-2-SS	5/16RBK2½-2-316SS	5/16RBK2½-2- AL	5/16RBK2½-2- NP	.945	3/8	13/32
5/64 / 2mm	1/8	5/16RBK2-3	5/16RBK2-3-SS	5/16RBK2-3-316SS	5/16RBK2-3-AL	5/16RBK2-3-NP	1.038	3/8	13/32
5/64 / 2mm	5/32 / 4mm	5/16RBK2-3½	5/16RBK2-3½-SS	5/16RBK2-3½-316SS	5/16RBK2-3½-AL	5/16RBK2-3½-NP	1.038	3/8	13/32
5/64 / 2mm	.170	5/16RBK2-4	5/16RBK2-4-SS	5/16RBK2-4-316SS	5/16RBK2-4-AL	5/16RBK2-4-NP	1.069	3/8	13/32
5/64 / 2mm	3/16	5/16RBK2-5	5/16RBK2-5-SS	5/16RBK2-5-316SS	5/16RBK2-5-AL	5/16RBK2-5-NP	1.100	3/8	13/32
3/32	3/64	5/16RBK 2½-.045	5/16RBK2½-.045-SS	5/16RBK2½-.045-316SS	5/16RBK2½-.045-AL	5/16RBK2½-.045-NP	.881	3/8	13/32
3/32	1/16	5/16RBK 2½-1	5/16RBK2½-1-SS	5/16RBK2½-1-316SS	5/16RBK2½-1-AL	5/16RBK2½-1-NP	.945	3/8	13/32
3/32	5/64 / 2mm	5/16RBK 2½-2	5/16RBK2½-2-SS	5/16RBK2½-2-316SS	5/16RBK2½-2-AL	5/16RBK2½-2-NP	.945	3/8	13/32
3/32	1/8	5/16RBK 2½-3	5/16RBK2½-3-SS	5/16RBK2½-3-316SS	5/16RBK2½-3-AL	5/16RBK2½-3-NP	1.038	3/8	13/32
3/32	5/32 / 4mm	5/16RBK 2½-3½	5/16RBK2½-3½-SS	5/16RBK2½-3½-316SS	5/16RBK2½-3½-AL	5/16RBK2½-3½-NP	1.038	3/8	13/32
3/32	.170	5/16RBK 2½-4	5/16RBK2½-4-SS	5/16RBK2½-4-316SS	5/16RBK2½-4-AL	5/16RBK2½-4-NP	1.069	3/8	13/32
3/32	3/16	5/16RBK 2½-5	5/16RBK2½-5-SS	5/16RBK2½-5-316SS	5/16RBK2½-5-AL	5/16RBK2½-5-NP	1.100	3/8	13/32

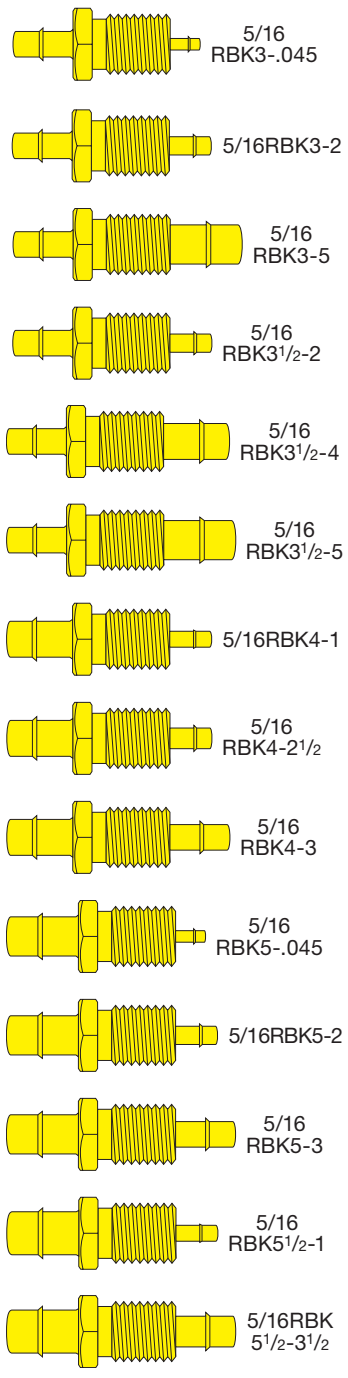
Z

663 — 5/16-24 In-line Reducing Bulkheads (cont.)

Tube ID		Part Numbers					Dimensions (Reference)		
Hex Side Branch	Thread Side Branch	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/8	3/64	5/16RBK3-.045	5/16RBK3-.045-SS	5/16RBK3-.045-316SS	5/16RBK3-.045-AL	5/16RBK3-.045-NP	.975	3/8	13/32
1/8	1/16	5/16RBK3-1	5/16RBK3-1-SS	5/16RBK3-1-316SS	5/16RBK3-1-AL	5/16RBK3-1-NP	1.038	3/8	13/32
1/8	5/64 / 2mm	5/16RBK3-2	5/16RBK3-2-SS	5/16RBK3-2-316SS	5/16RBK3-2-AL	5/16RBK3-2-NP	1.038	3/8	13/32
1/8	3/32	5/16RBK3-2 1/2	5/16RBK3-2 1/2-SS	5/16RBK3-2 1/2-316SS	5/16RBK3-2 1/2-AL	5/16RBK3-2 1/2-NP	1.038	3/8	13/32
1/8	5/32 / 4mm	5/16RBK3-3 1/2	5/16RBK3-3 1/2-SS	5/16RBK3-3 1/2-316SS	5/16RBK3-3 1/2-AL	5/16RBK3-3 1/2-NP	1.131	3/8	13/32
1/8	.170	5/16RBK3-4	5/16RBK3-4-SS	5/16RBK3-4-316SS	5/16RBK3-4-AL	5/16RBK3-4-NP	1.162	3/8	13/32
1/8	3/16	5/16RBK3-5	5/16RBK3-5-SS	5/16RBK3-5-316SS	5/16RBK3-5-AL	5/16RBK3-5-NP	1.194	3/8	13/32
5/32 / 4mm	3/64	5/16RBK 3 1/2-.045	5/16RBK3 1/2-.045-SS	5/16RBK3 1/2-.045-316SS	5/16RBK3 1/2-.045-AL	5/16RBK3 1/2-.045-NP	.975	3/8	13/32
5/32 / 4mm	1/16	5/16RBK 3 1/2-1	5/16RBK3 1/2-1-SS	5/16RBK3 1/2-1-316SS	5/16RBK3 1/2-1-AL	5/16RBK3 1/2-1-NP	1.038	3/8	13/32
5/32 / 4mm	5/64 / 2mm	5/16RBK 3 1/2-2	5/16RBK3 1/2-2-SS	5/16RBK3 1/2-2-316SS	5/16RBK3 1/2-2-AL	5/16RBK3 1/2-2-NP	1.038	3/8	13/32
5/32 / 4mm	3/32	5/16RBK 3 1/2-2 1/2	5/16RBK3 1/2-2 1/2-SS	5/16RBK3 1/2-2 1/2-316SS	5/16RBK3 1/2-2 1/2-AL	5/16RBK3 1/2-2 1/2-NP	1.038	3/8	13/32
5/32 / 4mm	1/8	5/16RBK 3 1/2-3	5/16RBK3 1/2-3-SS	5/16RBK3 1/2-3-316SS	5/16RBK3 1/2-3-AL	5/16RBK3 1/2-3-NP	1.131	3/8	13/32
5/32 / 4mm	.170	5/16RBK 3 1/2-4	5/16RBK3 1/2-4-SS	5/16RBK3 1/2-4-316SS	5/16RBK3 1/2-4-AL	5/16RBK3 1/2-4-NP	1.162	3/8	13/32
5/32 / 4mm	3/16	5/16RBK 3 1/2-5	5/16RBK3 1/2-5-SS	5/16RBK3 1/2-5-316SS	5/16RBK3 1/2-5-AL	5/16RBK3 1/2-5-NP	1.194	3/8	13/32
.170	3/64	5/16RBK4-.045	5/16RBK4-.045-SS	5/16RBK4-.045-316SS	5/16RBK4-.045-AL	5/16RBK4-.045-NP	1.006	3/8	13/32
.170	1/16	5/16RBK4-1	5/16RBK4-1-SS	5/16RBK4-1-316SS	5/16RBK4-1-AL	5/16RBK4-1-NP	1.069	3/8	13/32
.170	5/64 / 2mm	5/16RBK4-2	5/16RBK4-2-SS	5/16RBK4-2-316SS	5/16RBK4-2-AL	5/16RBK4-2-NP	1.069	3/8	13/32
.170	3/32	5/16RBK4-2 1/2	5/16RBK4-2 1/2-SS	5/16RBK4-2 1/2-316SS	5/16RBK4-2 1/2-AL	5/16RBK4-2 1/2-NP	1.069	3/8	13/32
.170	1/8	5/16RBK4-3	5/16RBK4-3-SS	5/16RBK4-3-316SS	5/16RBK4-3-AL	5/16RBK4-3-NP	1.162	3/8	13/32
.170	5/32 / 4mm	5/16RBK4-3 1/2	5/16RBK4-3 1/2-SS	5/16RBK4-3 1/2-316SS	5/16RBK4-3 1/2-AL	5/16RBK4-3 1/2-NP	1.162	3/8	13/32
.170	3/16	5/16RBK4-5	5/16RBK4-5-SS	5/16RBK4-5-316SS	5/16RBK4-5-AL	5/16RBK4-5-NP	1.225	3/8	13/32
3/16	3/64	5/16RBK5-.045	5/16RBK5-.045-SS	5/16RBK5-.045-316SS	5/16RBK5-.045-AL	5/16RBK5-.045-NP	1.038	3/8	13/32
3/16	1/16	5/16RBK5-1	5/16RBK5-1-SS	5/16RBK5-1-316SS	5/16RBK5-1-AL	5/16RBK5-1-NP	1.100	3/8	13/32
3/16	5/64 / 2mm	5/16RBK5-2	5/16RBK5-2-SS	5/16RBK5-2-316SS	5/16RBK5-2-AL	5/16RBK5-2-NP	1.100	3/8	13/32
3/16	3/32	5/16RBK5-2 1/2	5/16RBK5-2 1/2-SS	5/16RBK5-2 1/2-316SS	5/16RBK5-2 1/2-AL	5/16RBK5-2 1/2-NP	1.100	3/8	13/32
3/16	1/8	5/16RBK5-3	5/16RBK5-3-SS	5/16RBK5-3-316SS	5/16RBK5-3-AL	5/16RBK5-3-NP	1.194	3/8	13/32
3/16	5/32 / 4mm	5/16RBK5-3 1/2	5/16RBK5-3 1/2-SS	5/16RBK5-3 1/2-316SS	5/16RBK5-3 1/2-AL	5/16RBK5-3 1/2-NP	1.194	3/8	13/32
3/16	.170	5/16RBK5-4	5/16RBK5-4-SS	5/16RBK5-4-316SS	5/16RBK5-4-AL	5/16RBK5-4-NP	1.225	3/8	13/32
7/32	3/64	5/16RBK 5 1/2-.045	5/16RBK5 1/2-.045-SS	5/16RBK5 1/2-.045-316SS	5/16RBK5 1/2-.045-AL	5/16RBK5 1/2-.045-NP	1.006	3/8	13/32
7/32	1/16	5/16RBK 5 1/2-1	5/16RBK5 1/2-1-SS	5/16RBK5 1/2-1-316SS	5/16RBK5 1/2-1-AL	5/16RBK5 1/2-1-NP	1.100	3/8	13/32
7/32	5/64 / 2mm	5/16RBK 5 1/2-2	5/16RBK5 1/2-2-SS	5/16RBK5 1/2-2-316SS	5/16RBK5 1/2-2-AL	5/16RBK5 1/2-2-NP	1.100	3/8	13/32
7/32	3/32	5/16RBK 5 1/2-2 1/2	5/16RBK5 1/2-2 1/2-SS	5/16RBK5 1/2-2 1/2-316SS	5/16RBK5 1/2-2 1/2-AL	5/16RBK5 1/2-2 1/2-NP	1.100	3/8	13/32
7/32	1/8	5/16RBK 5 1/2-3	5/16RBK5 1/2-3-SS	5/16RBK5 1/2-3-316SS	5/16RBK5 1/2-3-AL	5/16RBK5 1/2-3-NP	1.194	3/8	13/32
7/32	5/32 / 4mm	5/16RBK 5 1/2-3 1/2	5/16RBK5 1/2-3 1/2-SS	5/16RBK5 1/2-3 1/2-316SS	5/16RBK5 1/2-3 1/2-AL	5/16RBK5 1/2-3 1/2-NP	1.194	3/8	13/32
7/32	.170	5/16RBK 5 1/2-4	5/16RBK5 1/2-4-SS	5/16RBK5 1/2-4-316SS	5/16RBK5 1/2-4-AL	5/16RBK5 1/2-4-NP	1.225	3/8	13/32
7/32	3/16	5/16RBK 5 1/2-5	5/16RBK5 1/2-5-SS	5/16RBK5 1/2-5-316SS	5/16RBK5 1/2-5-AL	5/16RBK5 1/2-5-NP	1.260	3/8	13/32



Supplied with Lockwasher & Nut or All-in-One Combination!



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Note: *Dimensions may vary at time of manufacturing! Consult factory for details.*

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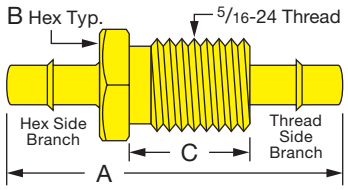
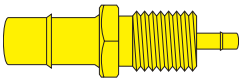
5/16-24 In-line Reducing Bulkheads (cont.) 664

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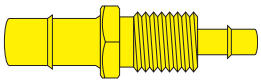
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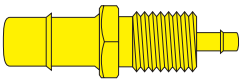
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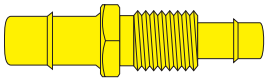
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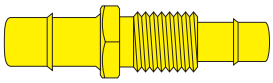

5/16RBK6-5

Tube ID		Part Numbers					Dimensions (Reference)		
Hex Side Branch	Thread Side Branch	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
6mm	3/64	5/16RBK 5 3/4-.045	5/16RBK5 3/4-.045-SS	5/16RBK5 3/4-.045-316SS	5/16RBK5 3/4-.045-AL	5/16RBK5 3/4-.045-NP	1.163	3/8	13/32
6mm	1/16	5/16RBK 5 3/4-1	5/16RBK5 3/4-1-SS	5/16RBK5 3/4-1-316SS	5/16RBK5 3/4-1-AL	5/16RBK5 3/4-1-NP	1.225	3/8	13/32
6mm	5/64 / 2mm	5/16RBK 5 3/4-2	5/16RBK5 3/4-2-SS	5/16RBK5 3/4-2-316SS	5/16RBK5 3/4-2-AL	5/16RBK5 3/4-2-NP	1.256	3/8	13/32
6mm	3/32	5/16RBK 5 3/4-2 1/2	5/16RBK5 3/4-2 1/2-SS	5/16RBK5 3/4-2 1/2-316SS	5/16RBK5 3/4-2 1/2-AL	5/16RBK5 3/4-2 1/2-NP	1.256	3/8	13/32
6mm	1/8	5/16RBK 5 3/4-3	5/16RBK5 3/4-3-SS	5/16RBK5 3/4-3-316SS	5/16RBK5 3/4-3-AL	5/16RBK5 3/4-3-NP	1.318	3/8	13/32
6mm	5/32 / 4mm	5/16RBK 5 3/4-3 1/2	5/16RBK5 3/4-3 1/2-SS	5/16RBK5 3/4-3 1/2-316SS	5/16RBK5 3/4-3 1/2-AL	5/16RBK5 3/4-3 1/2-NP	1.318	3/8	13/32
6mm	.170	5/16RBK 5 3/4-4	5/16RBK5 3/4-4-SS	5/16RBK5 3/4-4-316SS	5/16RBK5 3/4-4-AL	5/16RBK5 3/4-4-NP	1.350	3/8	13/32
6mm	3/16	5/16RBK 5 3/4-5	5/16RBK5 3/4-5-SS	5/16RBK5 3/4-5-316SS	5/16RBK5 3/4-5-AL	5/16RBK5 3/4-5-NP	1.381	3/8	13/32
1/4	3/64	5/16RBK6-.045	5/16RBK6-.045-SS	5/16RBK6-.045-316SS	5/16RBK6-.045-AL	5/16RBK6-.045-NP	1.163	3/8	13/32
1/4	1/16	5/16RBK6-1	5/16RBK6-1-SS	5/16RBK6-1-316SS	5/16RBK6-1-AL	5/16RBK6-1-NP	1.256	3/8	13/32
1/4	5/64 / 2mm	5/16RBK6-2	5/16RBK6-2-SS	5/16RBK6-2-316SS	5/16RBK6-2-AL	5/16RBK6-2-NP	1.256	3/8	13/32
1/4	3/32	5/16RBK6-2 1/2	5/16RBK6-2 1/2-SS	5/16RBK6-2 1/2-316SS	5/16RBK6-2 1/2-AL	5/16RBK6-2 1/2-NP	1.256	3/8	13/32
1/4	1/8	5/16RBK6-3	5/16RBK6-3-SS	5/16RBK6-3-316SS	5/16RBK6-3-AL	5/16RBK6-3-NP	1.318	3/8	13/32
1/4	5/32 / 4mm	5/16RBK6-3 1/2	5/16RBK6-3 1/2-SS	5/16RBK6-3 1/2-316SS	5/16RBK6-3 1/2-AL	5/16RBK6-3 1/2-NP	1.318	3/8	13/32
1/4	.170	5/16RBK6-4	5/16RBK6-4-SS	5/16RBK6-4-316SS	5/16RBK6-4-AL	5/16RBK6-4-NP	1.350	3/8	13/32
1/4	3/16	5/16RBK6-5	5/16RBK6-5-SS	5/16RBK6-5-316SS	5/16RBK6-5-AL	5/16RBK6-5-NP	1.381	3/8	13/32

Supplied with Lockwasher & Nut or All-in-One Combination!

O-Ring options also available!

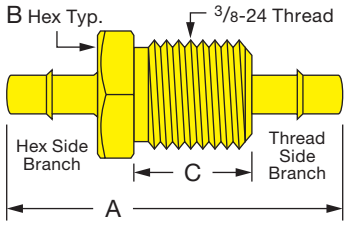
Elbow, Tee, & V-Tee Bulkheads available for all thread sizes!

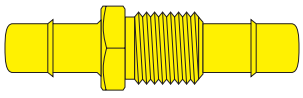
5/16-18 Bulkheads available!

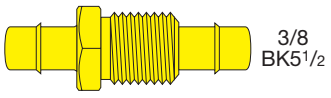
Lead times apply! Consult factory!

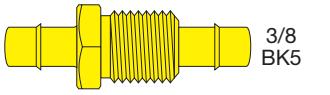
3/8-24 In-line Bulkheads 665

Z

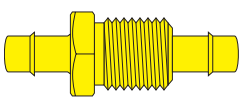


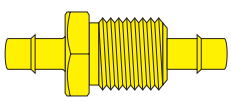

3/8BK6

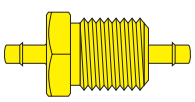

3/8 BK5 1/2

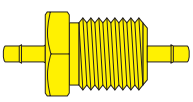

3/8 BK5

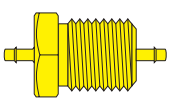
Tube ID		Part Numbers					Dimensions (Reference)		
Hex Side Branch	Thread Side Branch	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
3/64	3/64	3/8BK.045	3/8BK.045-SS	3/8BK.045-316SS	3/8BK.045-AL	3/8BK.045-NP	27/32	7/16	13/32
1/16	1/16	3/8BK1	3/8BK1-SS	3/8BK1-316SS	3/8BK1-AL	3/8BK1-NP	31/32	7/16	13/32
5/64 / 2mm	5/64 / 2mm	3/8BK2	3/8BK2-SS	3/8BK2-316SS	3/8BK2-AL	3/8BK2-NP	31/32	7/16	13/32
3/32	3/32	3/8BK2 1/2	3/8BK2 1/2-SS	3/8BK2 1/2-316SS	3/8BK2 1/2-AL	3/8BK2 1/2-NP	31/32	7/16	13/32
1/8	1/8	3/8BK3	3/8BK3-SS	3/8BK3-316SS	3/8BK3-AL	3/8BK3-NP	1 5/32	7/16	13/32
5/32 / 4mm	5/32 / 4mm	3/8BK3 1/2	3/8BK3 1/2-SS	3/8BK3 1/2-316SS	3/8BK3 1/2-AL	3/8BK3 1/2-NP	1 5/32	7/16	13/32
.170	.170	3/8BK4	3/8BK4-SS	3/8BK4-316SS	3/8BK4-AL	3/8BK4-NP	1 7/32	7/16	13/32
3/16	3/16	3/8BK5	3/8BK5-SS	3/8BK5-316SS	3/8BK5-AL	3/8BK5-NP	1 9/32	7/16	13/32
7/32	7/32	3/8BK5 1/2	3/8BK5 1/2-SS	3/8BK5 1/2-316SS	3/8BK5 1/2-AL	3/8BK5 1/2-NP	1 9/32	7/16	13/32
6mm	6mm	3/8BK5 3/4	3/8BK5 3/4-SS	3/8BK5 3/4-316SS	3/8BK5 3/4-AL	3/8BK5 3/4-NP	1 17/32	7/16	13/32
1/4	1/4	3/8BK6	3/8BK6-SS	3/8BK6-316SS	3/8BK6-AL	3/8BK6-NP	1 17/32	7/16	13/32


3/8 BK4


3/8 BK3 1/2

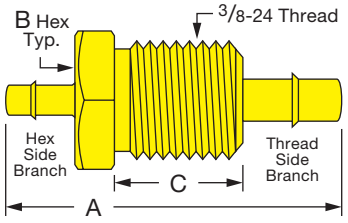

3/8 BK2


3/8 BK1

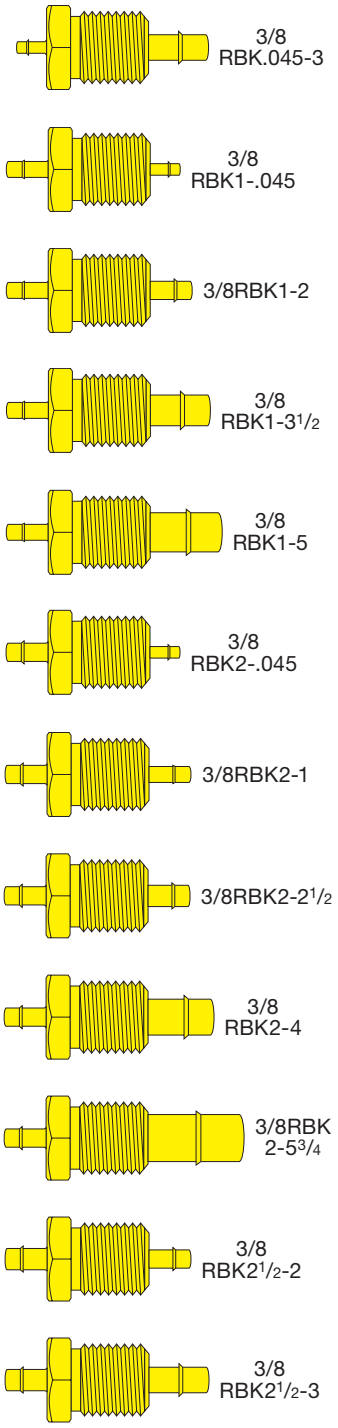

3/8BK .045

666 — 3/8-24 In-line Reducing Bulkheads

Tube ID		Part Numbers					Dimensions (Reference)		
Hex Side Branch	Thread Side Branch	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
3/64	1/16	3/8RBK .045-1	3/8RBK.045-1-SS	3/8RBK.045-1-316SS	3/8RBK.045-1-AL	3/8RBK.045-1-NP	29/32	7/16	13/32
3/64	5/64 / 2mm	3/8RBK .045-2	3/8RBK.045-2-SS	3/8RBK.045-2-316SS	3/8RBK.045-2-AL	3/8RBK.045-2-NP	29/32	7/16	13/32
3/64	3/32	3/8RBK .045-2 1/2	3/8RBK.045-2 1/2-SS	3/8RBK.045-2 1/2-316SS	3/8RBK.045-2 1/2-AL	3/8RBK.045-2 1/2-NP	29/32	7/16	13/32
3/64	1/8	3/8RBK .045-3	3/8RBK.045-3-SS	3/8RBK.045-3-316SS	3/8RBK.045-3-AL	3/8RBK.045-3-NP	1	7/16	13/32
3/64	5/32 / 4mm	3/8RBK .045-3 1/2	3/8RBK.045-3 1/2-SS	3/8RBK.045-3 1/2-316SS	3/8RBK.045-3 1/2-AL	3/8RBK.045-3 1/2-NP	1	7/16	13/32
3/64	.170	3/8RBK .045-4	3/8RBK.045-4-SS	3/8RBK.045-4-316SS	3/8RBK.045-4-AL	3/8RBK.045-4-NP	1 1/32	7/16	13/32
3/64	3/16	3/8RBK .045-5	3/8RBK.045-5-SS	3/8RBK.045-5-316SS	3/8RBK.045-5-AL	3/8RBK.045-5-NP	1 1/16	7/16	13/32
3/64	7/32	3/8RBK .045-5 1/2	3/8RBK.045-5 1/2-SS	3/8RBK.045-5 1/2-316SS	3/8RBK.045-5 1/2-AL	3/8RBK.045-5 1/2-NP	1 1/16	7/16	13/32
3/64	6mm	3/8RBK .045-5 3/4	3/8RBK.045-5 3/4-SS	3/8RBK.045-5 3/4-316SS	3/8RBK.045-5 3/4-AL	3/8RBK.045-5 3/4-NP	1 3/16	7/16	13/32
3/64	1/4	3/8RBK .045-6	3/8RBK.045-6-SS	3/8RBK.045-6-316SS	3/8RBK.045-6-AL	3/8RBK.045-6-NP	1 3/16	7/16	13/32
1/16	3/64	3/8RBK1-.045	3/8RBK1-.045-SS	3/8RBK1-.045-316SS	3/8RBK1-.045-AL	3/8RBK1-.045-NP	29/32	7/16	13/32
1/16	5/64 / 2mm	3/8RBK1-2	3/8RBK1-2-SS	3/8RBK1-2-316SS	3/8RBK1-2-AL	3/8RBK1-2-NP	31/32	7/16	13/32
1/16	3/32	3/8RBK1-2 1/2	3/8RBK1-2 1/2-SS	3/8RBK1-2 1/2-316SS	3/8RBK1-2 1/2-AL	3/8RBK1-2 1/2-NP	31/32	7/16	13/32
1/16	1/8	3/8RBK1-3	3/8RBK1-3-SS	3/8RBK1-3-316SS	3/8RBK1-3-AL	3/8RBK1-3-NP	1 1/16	7/16	13/32
1/16	5/32 / 4mm	3/8RBK1-3 1/2	3/8RBK1-3 1/2-SS	3/8RBK1-3 1/2-316SS	3/8RBK1-3 1/2-AL	3/8RBK1-3 1/2-NP	1 1/16	7/16	13/32
1/16	.170	3/8RBK1-4	3/8RBK1-4-SS	3/8RBK1-4-316SS	3/8RBK1-4-AL	3/8RBK1-4-NP	1 3/32	7/16	13/32
1/16	3/16	3/8RBK1-5	3/8RBK1-5-SS	3/8RBK1-5-316SS	3/8RBK1-5-AL	3/8RBK1-5-NP	1 1/8	7/16	13/32
1/16	7/32	3/8RBK1-5 1/2	3/8RBK1-5 1/2-SS	3/8RBK1-5 1/2-316SS	3/8RBK1-5 1/2-AL	3/8RBK1-5 1/2-NP	1 1/8	7/16	13/32
1/16	6mm	3/8RBK1-5 3/4	3/8RBK1-5 3/4-SS	3/8RBK1-5 3/4-316SS	3/8RBK1-5 3/4-AL	3/8RBK1-5 3/4-NP	1 1/4	7/16	13/32
1/16	1/4	3/8RBK1-6	3/8RBK1-6-SS	3/8RBK1-6-316SS	3/8RBK1-6-AL	3/8RBK1-6-NP	1 1/4	7/16	13/32
5/64 / 2mm	3/64	3/8RBK2-.045	3/8RBK2-.045-SS	3/8RBK2-.045-316SS	3/8RBK2-.045-AL	3/8RBK2-.045-NP	29/32	7/16	13/32
5/64 / 2mm	1/16	3/8RBK2-1	3/8RBK2-1-SS	3/8RBK2-1-316SS	3/8RBK2-1-AL	3/8RBK2-1-NP	31/32	7/16	13/32
5/64 / 2mm	3/32	3/8RBK2-2 1/2	3/8RBK2-2 1/2-SS	3/8RBK2-2 1/2-316SS	3/8RBK2-2 1/2-AL	3/8RBK2-2 1/2-NP	31/32	7/16	13/32
5/64 / 2mm	1/8	3/8RBK2-3	3/8RBK2-3-SS	3/8RBK2-3-316SS	3/8RBK2-3-AL	3/8RBK2-3-NP	1 1/16	7/16	13/32
5/64 / 2mm	5/32 / 4mm	3/8RBK2-3 1/2	3/8RBK2-3 1/2-SS	3/8RBK2-3 1/2-316SS	3/8RBK2-3 1/2-AL	3/8RBK2-3 1/2-NP	1 1/16	7/16	13/32
5/64 / 2mm	.170	3/8RBK2-4	3/8RBK2-4-SS	3/8RBK2-4-316SS	3/8RBK2-4-AL	3/8RBK2-4-NP	1 3/32	7/16	13/32
5/64 / 2mm	3/16	3/8RBK2-5	3/8RBK2-5-SS	3/8RBK2-5-316SS	3/8RBK2-5-AL	3/8RBK2-5-NP	1 1/8	7/16	13/32
5/64 / 2mm	7/32	3/8RBK2-5 1/2	3/8RBK2-5 1/2-SS	3/8RBK2-5 1/2-316SS	3/8RBK2-5 1/2-AL	3/8RBK2-5 1/2-NP	1 1/8	7/16	13/32
5/64 / 2mm	6mm	3/8RBK2-5 3/4	3/8RBK2-5 3/4-SS	3/8RBK2-5 3/4-316SS	3/8RBK2-5 3/4-AL	3/8RBK2-5 3/4-NP	1 1/4	7/16	13/32
5/64 / 2mm	1/4	3/8RBK2-6	3/8RBK2-6-SS	3/8RBK2-6-316SS	3/8RBK2-6-AL	3/8RBK2-6-NP	1 1/4	7/16	13/32
3/32	3/64	3/8RBK 2 1/2-.045	3/8RBK2 1/2-.045-SS	3/8RBK2 1/2-.045-316SS	3/8RBK2 1/2-.045-AL	3/8RBK2 1/2-.045-NP	29/32	7/16	13/32
3/32	1/16	3/8RBK 2 1/2-1	3/8RBK2 1/2-1-SS	3/8RBK2 1/2-1-316SS	3/8RBK2 1/2-1-AL	3/8RBK2 1/2-1-NP	31/32	7/16	13/32
3/32	5/64 / 2mm	3/8RBK 2 1/2-2	3/8RBK2 1/2-2-SS	3/8RBK2 1/2-2-316SS	3/8RBK2 1/2-2-AL	3/8RBK2 1/2-2-NP	31/32	7/16	13/32
3/32	1/8	3/8RBK 2 1/2-3	3/8RBK2 1/2-3-SS	3/8RBK2 1/2-3-316SS	3/8RBK2 1/2-3-AL	3/8RBK2 1/2-3-NP	1 1/16	7/16	13/32
3/32	5/32 / 4mm	3/8RBK 2 1/2-3 1/2	3/8RBK2 1/2-3 1/2-SS	3/8RBK2 1/2-3 1/2-316SS	3/8RBK2 1/2-3 1/2-AL	3/8RBK2 1/2-3 1/2-NP	1 1/16	7/16	13/32
3/32	.170	3/8RBK 2 1/2-4	3/8RBK2 1/2-4-SS	3/8RBK2 1/2-4-316SS	3/8RBK2 1/2-4-AL	3/8RBK2 1/2-4-NP	1 3/32	7/16	13/32



Supplied with Lockwasher & Nut or All-in-One Combination!



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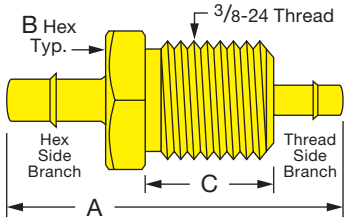
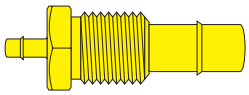
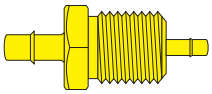
3/8-24 In-line Reducing Bulkheads (cont.) 667



Supplied with Lockwasher & Nut or All-in-One Combination!


3/8RBK 2-5 3/4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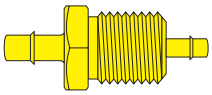
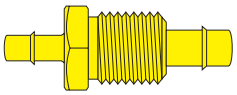

3/8RBK3-2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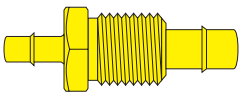
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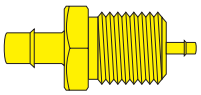
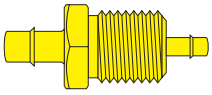
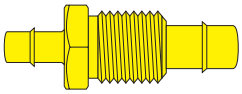
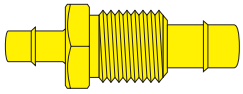
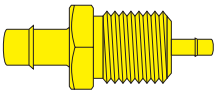

3/8 RBK3 1/2-.045


3/8 RBK3 1/2-2


3/8RBK 3 1/2-5 1/2


3/8 RBK 3 1/2-6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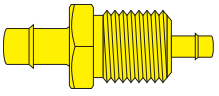
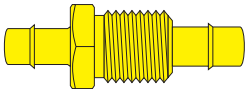
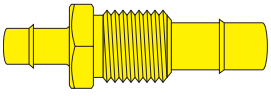

3/8 RBK4-2 1/2


3/8 RBK4-5


3/8 RBK 4-5 3/4

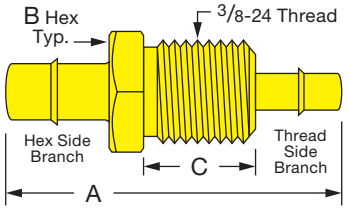
Continued on next page.

Tube ID		Part Numbers					Dimensions (Reference)		
Hex Side Branch	Thread Side Branch	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
3/32	3/16	3/8RBK 2 1/2-5	3/8RBK2 1/2-5-SS	3/8RBK2 1/2-5-316SS	3/8RBK2 1/2-5-AL	3/8RBK2 1/2-5-NP	1 1/8	7/16	13/32
3/32	7/32	3/8RBK 2 1/2-5 1/2	3/8RBK2 1/2-5 1/2-SS	3/8RBK2 1/2-5 1/2-316SS	3/8RBK2 1/2-5 1/2-AL	3/8RBK2 1/2-5 1/2-NP	1 1/8	7/16	13/32
3/32	6mm	3/8RBK 2 1/2-5 3/4	3/8RBK2 1/2-5 3/4-SS	3/8RBK2 1/2-5 3/4-316SS	3/8RBK2 1/2-5 3/4-AL	3/8RBK2 1/2-5 3/4-NP	1 1/4	7/16	13/32
3/32	1/4	3/8RBK 2 1/2-6	3/8RBK2 1/2-6-SS	3/8RBK2 1/2-6-316SS	3/8RBK2 1/2-6-AL	3/8RBK2 1/2-6-NP	1 1/4	7/16	13/32
1/8	3/64	3/8RBK3-.045	3/8RBK3-.045-SS	3/8RBK3-.045-316SS	3/8RBK3-.045-AL	3/8RBK3-.045-NP	1	7/16	13/32
1/8	1/16	3/8RBK3-1	3/8RBK3-1-SS	3/8RBK3-1-316SS	3/8RBK3-1-AL	3/8RBK3-1-NP	1 1/16	7/16	13/32
1/8	5/64 / 2mm	3/8RBK3-2	3/8RBK3-2-SS	3/8RBK3-2-316SS	3/8RBK3-2-AL	3/8RBK3-2-NP	1 1/16	7/16	13/32
1/8	3/32	3/8RBK3-2 1/2	3/8RBK3-2 1/2-SS	3/8RBK3-2 1/2-316SS	3/8RBK3-2 1/2-AL	3/8RBK3-2 1/2-NP	1 1/16	7/16	13/32
1/8	5/32 / 4mm	3/8RBK3-3 1/2	3/8RBK3-3 1/2-SS	3/8RBK3-3 1/2-316SS	3/8RBK3-3 1/2-AL	3/8RBK3-3 1/2-NP	1 5/32	7/16	13/32
1/8	.170	3/8RBK3-4	3/8RBK3-4-SS	3/8RBK3-4-316SS	3/8RBK3-4-AL	3/8RBK3-4-NP	1 3/16	7/16	13/32
1/8	3/16	3/8RBK3-5	3/8RBK3-5-SS	3/8RBK3-5-316SS	3/8RBK3-5-AL	3/8RBK3-5-NP	1 5/32	7/16	13/32
1/8	7/32	3/8RBK3-5 1/2	3/8RBK3-5 1/2-SS	3/8RBK3-5 1/2-316SS	3/8RBK3-5 1/2-AL	3/8RBK3-5 1/2-NP	1 5/32	7/16	13/32
1/8	6mm	3/8RBK3-5 3/4	3/8RBK3-5 3/4-SS	3/8RBK3-5 3/4-316SS	3/8RBK3-5 3/4-AL	3/8RBK3-5 3/4-NP	1 11/32	7/16	13/32
1/8	1/4	3/8RBK3-6	3/8RBK3-6-SS	3/8RBK3-6-316SS	3/8RBK3-6-AL	3/8RBK3-6-NP	1 11/32	7/16	13/32
5/32 / 4mm	3/64	3/8RBK 3 1/2-.045	3/8RBK3 1/2-.045-SS	3/8RBK3 1/2-.045-316SS	3/8RBK3 1/2-.045-AL	3/8RBK3 1/2-.045-NP	1	7/16	13/32
5/32 / 4mm	1/16	3/8RBK 3 1/2-1	3/8RBK3 1/2-1-SS	3/8RBK3 1/2-1-316SS	3/8RBK3 1/2-1-AL	3/8RBK3 1/2-1-NP	1 1/16	7/16	13/32
5/32 / 4mm	5/64 / 2mm	3/8RBK 3 1/2-2	3/8RBK3 1/2-2-SS	3/8RBK3 1/2-2-316SS	3/8RBK3 1/2-2-AL	3/8RBK3 1/2-2-NP	1 1/16	7/16	13/32
5/32 / 4mm	3/32	3/8RBK 3 1/2-2 1/2	3/8RBK3 1/2-2 1/2-SS	3/8RBK3 1/2-2 1/2-316SS	3/8RBK3 1/2-2 1/2-AL	3/8RBK3 1/2-2 1/2-NP	1 1/16	7/16	13/32
5/32 / 4mm	1/8	3/8RBK 3 1/2-3	3/8RBK3 1/2-3-SS	3/8RBK3 1/2-3-316SS	3/8RBK3 1/2-3-AL	3/8RBK3 1/2-3-NP	1 5/32	7/16	13/32
5/32 / 4mm	.170	3/8RBK 3 1/2-4	3/8RBK3 1/2-4-SS	3/8RBK3 1/2-4-316SS	3/8RBK3 1/2-4-AL	3/8RBK3 1/2-4-NP	1 3/16	7/16	13/32
5/32 / 4mm	3/16	3/8RBK 3 1/2-5	3/8RBK3 1/2-5-SS	3/8RBK3 1/2-5-316SS	3/8RBK3 1/2-5-AL	3/8RBK3 1/2-5-NP	1 5/32	7/16	13/32
5/32 / 4mm	7/32	3/8RBK 3 1/2-5 1/2	3/8RBK3 1/2-5 1/2-SS	3/8RBK3 1/2-5 1/2-316SS	3/8RBK3 1/2-5 1/2-AL	3/8RBK3 1/2-5 1/2-NP	1 5/32	7/16	13/32
5/32 / 4mm	6mm	3/8RBK 3 1/2-5 3/4	3/8RBK3 1/2-5 3/4-SS	3/8RBK3 1/2-5 3/4-316SS	3/8RBK3 1/2-5 3/4-AL	3/8RBK3 1/2-5 3/4-NP	1 11/32	7/16	13/32
5/32 / 4mm	1/4	3/8RBK 3 1/2-6	3/8RBK3 1/2-6-SS	3/8RBK3 1/2-6-316SS	3/8RBK3 1/2-6-AL	3/8RBK3 1/2-6-NP	1 11/32	7/16	13/32
.170	3/64	3/8RBK4-.045	3/8RBK4-.045-SS	3/8RBK4-.045-316SS	3/8RBK4-.045-AL	3/8RBK4-.045-NP	1 1/32	7/16	13/32
.170	1/16	3/8RBK4-1	3/8RBK4-1-SS	3/8RBK4-1-316SS	3/8RBK4-1-AL	3/8RBK4-1-NP	1 3/32	7/16	13/32
.170	5/64 / 2mm	3/8RBK4-2	3/8RBK4-2-SS	3/8RBK4-2-316SS	3/8RBK4-2-AL	3/8RBK4-2-NP	1 3/32	7/16	13/32
.170	3/32	3/8RBK4-2 1/2	3/8RBK4-2 1/2-SS	3/8RBK4-2 1/2-316SS	3/8RBK4-2 1/2-AL	3/8RBK4-2 1/2-NP	1 3/32	7/16	13/32
.170	1/8	3/8RBK4-3	3/8RBK4-3-SS	3/8RBK4-3-316SS	3/8RBK4-3-AL	3/8RBK4-3-NP	1 3/16	7/16	13/32
.170	5/32 / 4mm	3/8RBK4-3 1/2	3/8RBK4-3 1/2-SS	3/8RBK4-3 1/2-316SS	3/8RBK4-3 1/2-AL	3/8RBK4-3 1/2-NP	1 3/16	7/16	13/32
.170	3/16	3/8RBK4-5	3/8RBK4-5-SS	3/8RBK4-5-316SS	3/8RBK4-5-AL	3/8RBK4-5-NP	1 1/4	7/16	13/32
.170	7/32	3/8RBK4-5 1/2	3/8RBK4-5 1/2-SS	3/8RBK4-5 1/2-316SS	3/8RBK4-5 1/2-AL	3/8RBK4-5 1/2-NP	1 1/4	7/16	13/32
.170	6mm	3/8RBK4-5 3/4	3/8RBK4-5 3/4-SS	3/8RBK4-5 3/4-316SS	3/8RBK4-5 3/4-AL	3/8RBK4-5 3/4-NP	1 3/8	7/16	13/32
.170	1/4	3/8RBK4-6	3/8RBK4-6-SS	3/8RBK4-6-316SS	3/8RBK4-6-AL	3/8RBK4-6-NP	1 3/8	7/16	13/32

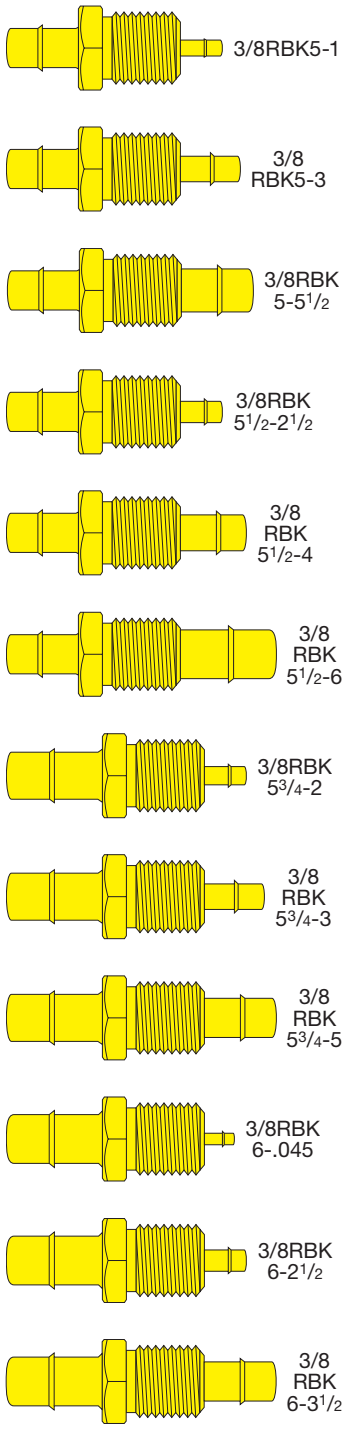
3/8-24 Thread Elbow, Tee, and V-Tee Bulkheads available! Lead times apply! Consult factory for details!

668 — 3/8-24 In-line Reducing Bulkheads (cont.)

Tube ID		Part Numbers					Dimensions (Reference)		
Hex Side Branch	Thread Side Branch	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
3/16	3/64	3/8RBK5-.045	3/8RBK5-.045-SS	3/8RBK5-.045-316SS	3/8RBK5-.045-AL	3/8RBK5-.045-NP	1 1/16	7/16	13/32
3/16	1/16	3/8RBK5-1	3/8RBK5-1-SS	3/8RBK5-1-316SS	3/8RBK5-1-AL	3/8RBK5-1-NP	1 1/8	7/16	13/32
3/16	5/64 / 2mm	3/8RBK5-2	3/8RBK5-2-SS	3/8RBK5-2-316SS	3/8RBK5-2-AL	3/8RBK5-2-NP	1 1/8	7/16	13/32
3/16	3/32	3/8RBK5-2 1/2	3/8RBK5-2 1/2-SS	3/8RBK5-2 1/2-316SS	3/8RBK5-2 1/2-AL	3/8RBK5-2 1/2-NP	1 1/8	7/16	13/32
3/16	1/8	3/8RBK5-3	3/8RBK5-3-SS	3/8RBK5-3-316SS	3/8RBK5-3-AL	3/8RBK5-3-NP	1 5/32	7/16	13/32
3/16	5/32 / 4mm	3/8RBK5-3 1/2	3/8RBK5-3 1/2-SS	3/8RBK5-3 1/2-316SS	3/8RBK5-3 1/2-AL	3/8RBK5-3 1/2-NP	1 5/32	7/16	13/32
3/16	.170	3/8RBK5-4	3/8RBK5-4-SS	3/8RBK5-4-316SS	3/8RBK5-4-AL	3/8RBK5-4-NP	1 1/4	7/16	13/32
3/16	7/32	3/8RBK5-5 1/2	3/8RBK5-5 1/2-SS	3/8RBK5-5 1/2-316SS	3/8RBK5-5 1/2-AL	3/8RBK5-5 1/2-NP	1 9/32	7/16	13/32
3/16	6mm	3/8RBK5-5 3/4	3/8RBK5-5 3/4-SS	3/8RBK5-5 3/4-316SS	3/8RBK5-5 3/4-AL	3/8RBK5-5 3/4-NP	1 13/32	7/16	13/32
3/16	1/4	3/8RBK5-6	3/8RBK5-6-SS	3/8RBK5-6-316SS	3/8RBK5-6-AL	3/8RBK5-6-NP	1 13/32	7/16	13/32
7/32	3/64	3/8RBK 5 1/2-.045	3/8RBK5 1/2-.045-SS	3/8RBK5 1/2-.045-316SS	3/8RBK5 1/2-.045-AL	3/8RBK5 1/2-.045-NP	1 1/16	7/16	13/32
7/32	1/16	3/8RBK 5 1/2-1	3/8RBK5 1/2-1-SS	3/8RBK5 1/2-1-316SS	3/8RBK5 1/2-1-AL	3/8RBK5 1/2-1-NP	1 1/8	7/16	13/32
7/32	5/64 / 2mm	3/8RBK 5 1/2-2	3/8RBK5 1/2-2-SS	3/8RBK5 1/2-2-316SS	3/8RBK5 1/2-2-AL	3/8RBK5 1/2-2-NP	1 1/8	7/16	13/32
7/32	3/32	3/8RBK 5 1/2-2 1/2	3/8RBK5 1/2-2 1/2-SS	3/8RBK5 1/2-2 1/2-316SS	3/8RBK5 1/2-2 1/2-AL	3/8RBK5 1/2-2 1/2-NP	1 1/8	7/16	13/32
7/32	1/8	3/8RBK 5 1/2-3	3/8RBK5 1/2-3-SS	3/8RBK5 1/2-3-316SS	3/8RBK5 1/2-3-AL	3/8RBK5 1/2-3-NP	1 5/32	7/16	13/32
7/32	5/32 / 4mm	3/8RBK 5 1/2-3 1/2	3/8RBK5 1/2-3 1/2-SS	3/8RBK5 1/2-3 1/2-316SS	3/8RBK5 1/2-3 1/2-AL	3/8RBK5 1/2-3 1/2-NP	1 5/32	7/16	13/32
7/32	.170	3/8RBK 5 1/2-4	3/8RBK5 1/2-4-SS	3/8RBK5 1/2-4-316SS	3/8RBK5 1/2-4-AL	3/8RBK5 1/2-4-NP	1 1/4	7/16	13/32
7/32	3/16	3/8RBK 5 1/2-5	3/8RBK5 1/2-5-SS	3/8RBK5 1/2-5-316SS	3/8RBK5 1/2-5-AL	3/8RBK5 1/2-5-NP	1 9/32	7/16	13/32
7/32	6mm	3/8RBK 5 1/2-5 3/4	3/8RBK5 1/2-5 3/4-SS	3/8RBK5 1/2-5 3/4-316SS	3/8RBK5 1/2-5 3/4-AL	3/8RBK5 1/2-5 3/4-NP	1 13/32	7/16	13/32
7/32	1/4	3/8RBK 5 1/2-6	3/8RBK5 1/2-6-SS	3/8RBK5 1/2-6-316SS	3/8RBK5 1/2-6-AL	3/8RBK5 1/2-6-NP	1 13/32	7/16	13/32
6mm	3/64	3/8RBK 5 3/4-.045	3/8RBK5 3/4-.045-SS	3/8RBK5 3/4-.045-316SS	3/8RBK5 3/4-.045-AL	3/8RBK5 3/4-.045-NP	1 3/16	7/16	13/32
6mm	1/16	3/8RBK 5 3/4-1	3/8RBK5 3/4-1-SS	3/8RBK5 3/4-1-316SS	3/8RBK5 3/4-1-AL	3/8RBK5 3/4-1-NP	1 1/4	7/16	13/32
6mm	5/64 / 2mm	3/8RBK 5 3/4-2	3/8RBK5 3/4-2-SS	3/8RBK5 3/4-2-316SS	3/8RBK5 3/4-2-AL	3/8RBK5 3/4-2-NP	1 1/4	7/16	13/32
6mm	3/32	3/8RBK 5 3/4-2 1/2	3/8RBK5 3/4-2 1/2-SS	3/8RBK5 3/4-2 1/2-316SS	3/8RBK5 3/4-2 1/2-AL	3/8RBK5 3/4-2 1/2-NP	1 1/4	7/16	13/32
6mm	1/8	3/8RBK 5 3/4-3	3/8RBK5 3/4-3-SS	3/8RBK5 3/4-3-316SS	3/8RBK5 3/4-3-AL	3/8RBK5 3/4-3-NP	1 11/32	7/16	13/32
6mm	5/32 / 4mm	3/8RBK 5 3/4-3 1/2	3/8RBK5 3/4-3 1/2-SS	3/8RBK5 3/4-3 1/2-316SS	3/8RBK5 3/4-3 1/2-AL	3/8RBK5 3/4-3 1/2-NP	1 11/32	7/16	13/32
6mm	.170	3/8RBK 5 3/4-4	3/8RBK5 3/4-4-SS	3/8RBK5 3/4-4-316SS	3/8RBK5 3/4-4-AL	3/8RBK5 3/4-4-NP	1 3/8	7/16	13/32
6mm	3/16	3/8RBK 5 3/4-5	3/8RBK5 3/4-5-SS	3/8RBK5 3/4-5-316SS	3/8RBK5 3/4-5-AL	3/8RBK5 3/4-5-NP	1 13/32	7/16	13/32
6mm	7/32	3/8RBK 5 3/4-5 1/2	3/8RBK5 3/4-5 1/2-SS	3/8RBK5 3/4-5 1/2-316SS	3/8RBK5 3/4-5 1/2-AL	3/8RBK5 3/4-5 1/2-NP	1 13/32	7/16	13/32
6mm	1/4	3/8RBK 5 3/4-6	3/8RBK5 3/4-6-SS	3/8RBK5 3/4-6-316SS	3/8RBK5 3/4-6-AL	3/8RBK5 3/4-6-NP	1 17/32	7/16	13/32
1/4	3/64	3/8RBK6-.045	3/8RBK6-.045-SS	3/8RBK6-.045-316SS	3/8RBK6-.045-AL	3/8RBK6-.045-NP	1 3/16	7/16	13/32
1/4	1/16	3/8RBK6-1	3/8RBK6-1-SS	3/8RBK6-1-316SS	3/8RBK6-1-AL	3/8RBK6-1-NP	1 1/4	7/16	13/32
1/4	5/64 / 2mm	3/8RBK6-2	3/8RBK6-2-SS	3/8RBK6-2-316SS	3/8RBK6-2-AL	3/8RBK6-2-NP	1 1/4	7/16	13/32
1/4	3/32	3/8RBK6-2 1/2	3/8RBK6-2 1/2-SS	3/8RBK6-2 1/2-316SS	3/8RBK6-2 1/2-AL	3/8RBK6-2 1/2-NP	1 1/4	7/16	13/32
1/4	1/8	3/8RBK6-3	3/8RBK6-3-SS	3/8RBK6-3-316SS	3/8RBK6-3-AL	3/8RBK6-3-NP	1 11/32	7/16	13/32
1/4	5/32 / 4mm	3/8RBK6-3 1/2	3/8RBK6-3 1/2-SS	3/8RBK6-3 1/2-316SS	3/8RBK6-3 1/2-AL	3/8RBK6-3 1/2-NP	1 11/32	7/16	13/32



Supplied with Lockwasher & Nut or All-in-One Combination!



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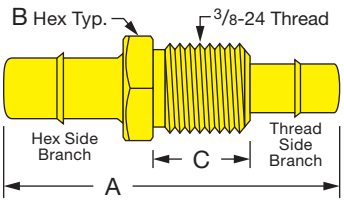
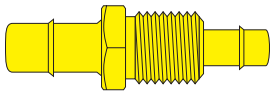
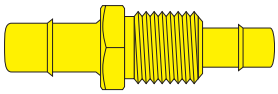
3/8-24 In-line Reducing Bulkheads (cont.) 669

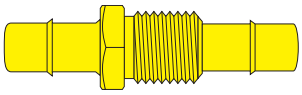




3/8RBK6-4



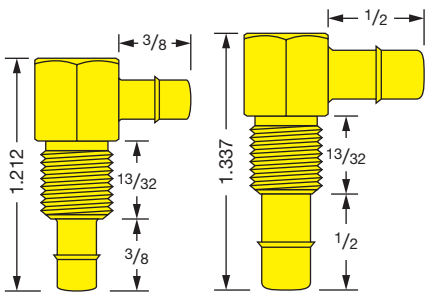
3/8RBK6-5



3/8RBK6-5 3/4

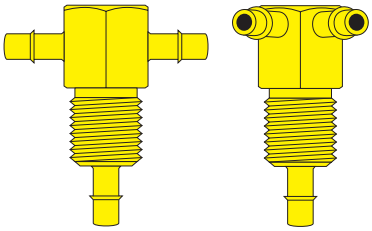
Tube ID		Part Numbers					Dimensions (Reference)		
Hex Side Branch	Thread Side Branch	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/4	.170	3/8RBK6-4	3/8RBK6-4-SS	3/8RBK6-4-316SS	3/8RBK6-4-AL	3/8RBK6-4-NP	1 3/8	7/16	13/32
1/4	3/16	3/8RBK6-5	3/8RBK6-5-SS	3/8RBK6-5-316SS	3/8RBK6-5-AL	3/8RBK6-5-NP	1 13/32	7/16	13/32
1/4	7/32	3/8RBK6-5 1/2	3/8RBK6-5 1/2-SS	3/8RBK6-5 1/2-316SS	3/8RBK6-5 1/2-AL	3/8RBK6-5 1/2-NP	1 13/32	7/16	13/32
1/4	6mm	3/8RBK6-5 3/4	3/8RBK6-5 3/4-SS	3/8RBK6-5 3/4-316SS	3/8RBK6-5 3/4-AL	3/8RBK6-5 3/4-NP	1 17/32	7/16	13/32

3/8-24 Elbow Bulkheads are also available! Consult factory for details!

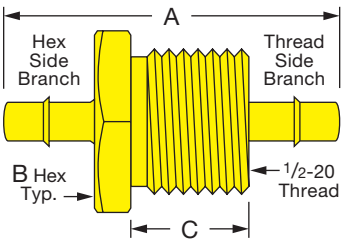


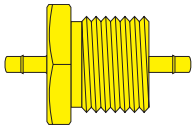
3/8BK5-L5 3/8BK6-L6

3/8-24 Tee and V-Tee Bulkheads also available! Consult factory!

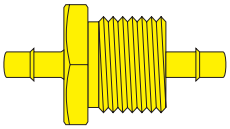


1/2-20 In-line Bulkhead & Reducing Bulkheads 670

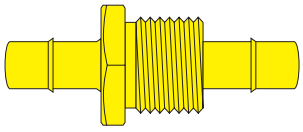




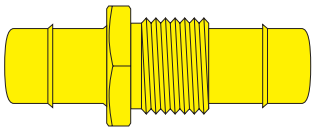
1/2BK1



1/2BK3



1/2BK5 3/4



1/2BK8

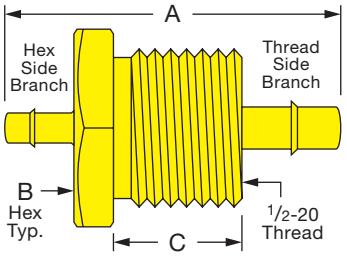
Supplied with Lockwasher & Nut or All-in-One Combination!

Continued on next page.

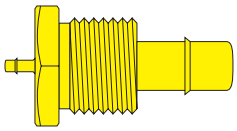
Tube ID		Part Numbers					Dimensions (Reference)		
Hex Side Branch	Thread Side Branch	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
3/64	3/64	1/2BK.045	1/2BK.045-SS	1/2BK.045-316SS	1/2BK.045-AL	1/2BK.045-NP	27/32	5/8	13/32
1/16	1/16	1/2BK1	1/2BK1-SS	1/2BK1-316SS	1/2BK1-AL	1/2BK1-NP	31/32	5/8	13/32
5/64 / 2mm	5/64 / 2mm	1/2BK2	1/2BK2-SS	1/2BK2-316SS	1/2BK2-AL	1/2BK2-NP	31/32	5/8	13/32
3/32	3/32	1/2BK2 1/2	1/2BK2 1/2-SS	1/2BK2 1/2-316SS	1/2BK2 1/2-AL	1/2BK2 1/2-NP	31/32	5/8	13/32
1/8	1/8	1/2BK3	1/2BK3-SS	1/2BK3-316SS	1/2BK3-AL	1/2BK3-NP	1 5/32	5/8	13/32
5/32 / 4mm	5/32 / 4mm	1/2BK3 1/2	1/2BK3 1/2-SS	1/2BK3 1/2-316SS	1/2BK3 1/2-AL	1/2BK3 1/2-NP	1 5/32	5/8	13/32
.170	.170	1/2BK4	1/2BK4-SS	1/2BK4-316SS	1/2BK4-AL	1/2BK4-NP	1 7/32	5/8	13/32
3/16	3/16	1/2BK5	1/2BK5-SS	1/2BK5-316SS	1/2BK5-AL	1/2BK5-NP	1 9/32	5/8	13/32
7/32	7/32	1/2BK5 1/2	1/2BK5 1/2-SS	1/2BK5 1/2-316SS	1/2BK5 1/2-AL	1/2BK5 1/2-NP	1 9/32	5/8	13/32
6mm	6mm	1/2BK5 3/4	1/2BK5 3/4-SS	1/2BK5 3/4-316SS	1/2BK5 3/4-AL	1/2BK5 3/4-NP	1 17/32	5/8	13/32
1/4	1/4	1/2BK6	1/2BK6-SS	1/2BK6-316SS	1/2BK6-AL	1/2BK6-NP	1 17/32	5/8	13/32
5/16 / 8mm	5/16 / 8mm	1/2BK7	1/2BK7-SS	1/2BK7-316SS	1/2BK7-AL	1/2BK7-NP	1 25/32	5/8	13/32
3/8	3/8	1/2BK8	1/2BK8-SS	1/2BK8-316SS	1/2BK8-AL	1/2BK8-NP	1 19/32	5/8	13/32
3/64	1/16	1/2RBK .045-1	1/2RBK.045-1-SS	1/2RBK.045-1-316SS	1/2RBK.045-1-AL	1/2RBK.045-1-NP	29/32	5/8	13/32
3/64	5/64 / 2mm	1/2RBK .045-2	1/2RBK.045-2-SS	1/2RBK.045-2-316SS	1/2RBK.045-2-AL	1/2RBK.045-2-NP	29/32	5/8	13/32
3/64	3/32	1/2RBK .045-2 1/2	1/2RBK.045-2 1/2-SS	1/2RBK.045-2 1/2-316SS	1/2RBK.045-2 1/2-AL	1/2RBK.045-2 1/2-NP	29/32	5/8	13/32
3/64	1/8	1/2RBK .045-3	1/2RBK.045-3-SS	1/2RBK.045-3-316SS	1/2RBK.045-3-AL	1/2RBK.045-3-NP	1	5/8	13/32
3/64	5/32 / 4mm	1/2RBK .045-3 1/2	1/2RBK.045-3 1/2-SS	1/2RBK.045-3 1/2-316SS	1/2RBK.045-3 1/2-AL	1/2RBK.045-3 1/2-NP	1	5/8	13/32
3/64	.170	1/2RBK .045-4	1/2RBK.045-4-SS	1/2RBK.045-4-316SS	1/2RBK.045-4-AL	1/2RBK.045-4-NP	1 1/32	5/8	13/32
3/64	3/16	1/2RBK .045-5	1/2RBK.045-5-SS	1/2RBK.045-5-316SS	1/2RBK.045-5-AL	1/2RBK.045-5-NP	1 1/16	5/8	13/32

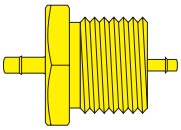
671 — 1/2-20 In-line Reducing Bulkheads (cont.)

Tube ID		Part Numbers					Dimensions (Reference)		
Hex Side Branch	Thread Side Branch	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
3/64	7/32	1/2RBK .045-5 1/2	1/2RBK.045-5 1/2-SS	1/2RBK.045-5 1/2-316SS	1/2RBK.045-5 1/2-AL	1/2RBK.045-5 1/2-NP	1 1/16	5/8	13/32
3/64	6mm	1/2RBK .045-5 3/4	1/2RBK.045-5 3/4-SS	1/2RBK.045-5 3/4-316SS	1/2RBK.045-5 3/4-AL	1/2RBK.045-5 3/4-NP	1 3/16	5/8	13/32
3/64	1/4	1/2RBK .045-6	1/2RBK.045-6-SS	1/2RBK.045-6-316SS	1/2RBK.045-6-AL	1/2RBK.045-6-NP	1 3/16	5/8	13/32
3/64	5/16 / 8mm	1/2RBK .045-7	1/2RBK.045-7-SS	1/2RBK.045-7-316SS	1/2RBK.045-7-AL	1/2RBK.045-7-NP	1 5/16	5/8	13/32
3/64	3/8	1/2RBK .045-8	1/2RBK.045-8-SS	1/2RBK.045-8-316SS	1/2RBK.045-8-AL	1/2RBK.045-8-NP	1 7/16	5/8	13/32
1/16	3/64	1/2RBK1-.045	1/2RBK1-.045-SS	1/2RBK1-.045-316SS	1/2RBK1-.045-AL	1/2RBK1-.045-NP	29/32	5/8	13/32
1/16	5/64 / 2mm	1/2RBK1-2	1/2RBK1-2-SS	1/2RBK1-2-316SS	1/2RBK1-2-AL	1/2RBK1-2-NP	31/32	5/8	13/32
1/16	3/32	1/2RBK1-2 1/2	1/2RBK1-2 1/2-SS	1/2RBK1-2 1/2-316SS	1/2RBK1-2 1/2-AL	1/2RBK1-2 1/2-NP	31/32	5/8	13/32
1/16	1/8	1/2RBK1-3	1/2RBK1-3-SS	1/2RBK1-3-316SS	1/2RBK1-3-AL	1/2RBK1-3-NP	1 1/16	5/8	13/32
1/16	5/32 / 4mm	1/2RBK1-3 1/2	1/2RBK1-3 1/2-SS	1/2RBK1-3 1/2-316SS	1/2RBK1-3 1/2-AL	1/2RBK1-3 1/2-NP	1 1/16	5/8	13/32
1/16	.170	1/2RBK1-4	1/2RBK1-4-SS	1/2RBK1-4-316SS	1/2RBK1-4-AL	1/2RBK1-4-NP	1 3/32	5/8	13/32
1/16	3/16	1/2RBK1-5	1/2RBK1-5-SS	1/2RBK1-5-316SS	1/2RBK1-5-AL	1/2RBK1-5-NP	1 1/8	5/8	13/32
1/16	7/32	1/2RBK1-5 1/2	1/2RBK1-5 1/2-SS	1/2RBK1-5 1/2-316SS	1/2RBK1-5 1/2-AL	1/2RBK1-5 1/2-NP	1 1/8	5/8	13/32
1/16	6mm	1/2RBK1-5 3/4	1/2RBK1-5 3/4-SS	1/2RBK1-5 3/4-316SS	1/2RBK1-5 3/4-AL	1/2RBK1-5 3/4-NP	1 1/4	5/8	13/32
1/16	1/4	1/2RBK1-6	1/2RBK1-6-SS	1/2RBK1-6-316SS	1/2RBK1-6-AL	1/2RBK1-6-NP	1 1/4	5/8	13/32
1/16	5/16 / 8mm	1/2RBK1-7	1/2RBK1-7-SS	1/2RBK1-7-116SS	1/2RBK1-7-AL	1/2RBK1-7-NP	1 1/2	5/8	13/32
1/16	3/8	1/2RBK1-8	1/2RBK1-8-SS	1/2RBK1-8-116SS	1/2RBK1-8-AL	1/2RBK1-8-NP	1 9/32	5/8	13/32
5/64 / 2mm	3/64	1/2RBK2-.045	1/2RBK2-.045-SS	1/2RBK2-.045-316SS	1/2RBK2-.045-AL	1/2RBK2-.045-NP	29/32	5/8	13/32
5/64 / 2mm	1/16	1/2RBK2-1	1/2RBK2-1-SS	1/2RBK2-1-316SS	1/2RBK2-1-AL	1/2RBK2-1-NP	31/32	5/8	13/32
5/64 / 2mm	3/32	1/2RBK2-2 1/2	1/2RBK2-2 1/2-SS	1/2RBK2-2 1/2-316SS	1/2RBK2-2 1/2-AL	1/2RBK2-2 1/2-NP	31/32	5/8	13/32
5/64 / 2mm	1/8	1/2RBK2-3	1/2RBK2-3-SS	1/2RBK2-3-316SS	1/2RBK2-3-AL	1/2RBK2-3-NP	1 1/16	5/8	13/32
5/64 / 2mm	5/32 / 4mm	1/2RBK2-3 1/2	1/2RBK2-3 1/2-SS	1/2RBK2-3 1/2-316SS	1/2RBK2-3 1/2-AL	1/2RBK2-3 1/2-NP	1 1/16	5/8	13/32
5/64 / 2mm	.170	1/2RBK2-4	1/2RBK2-4-SS	1/2RBK2-4-316SS	1/2RBK2-4-AL	1/2RBK2-4-NP	1 3/32	5/8	13/32
5/64 / 2mm	3/16	1/2RBK2-5	1/2RBK2-5-SS	1/2RBK2-5-316SS	1/2RBK2-5-AL	1/2RBK2-5-NP	1 1/8	5/8	13/32
5/64 / 2mm	7/32	1/2RBK2-5 1/2	1/2RBK2-5 1/2-SS	1/2RBK2-5 1/2-316SS	1/2RBK2-5 1/2-AL	1/2RBK2-5 1/2-NP	1 1/8	5/8	13/32
5/64 / 2mm	6mm	1/2RBK2-5 3/4	1/2RBK2-5 3/4-SS	1/2RBK2-5 3/4-316SS	1/2RBK2-5 3/4-AL	1/2RBK2-5 3/4-NP	1 1/4	5/8	13/32
5/64 / 2mm	1/4	1/2RBK2-6	1/2RBK2-6-SS	1/2RBK2-6-316SS	1/2RBK2-6-AL	1/2RBK2-6-NP	1 1/4	5/8	13/32
5/64 / 2mm	5/16 / 8mm	1/2RBK2-7	1/2RBK2-7-SS	1/2RBK2-7-216SS	1/2RBK2-7-AL	1/2RBK2-7-NP	1 1/2	5/8	13/32
5/64 / 2mm	3/8	1/2RBK2-8	1/2RBK2-8-SS	1/2RBK2-8-216SS	1/2RBK2-8-AL	1/2RBK2-8-NP	1 9/32	5/8	13/32
3/32	3/64	1/2RBK 2 1/2-.045	1/2RBK2 1/2-.045-SS	1/2RBK2 1/2-.045-316SS	1/2RBK2 1/2-.045-AL	1/2RBK2 1/2-.045-NP	29/32	5/8	13/32
3/32	1/16	1/2RBK 2 1/2-1	1/2RBK2 1/2-1-SS	1/2RBK2 1/2-1-316SS	1/2RBK2 1/2-1-AL	1/2RBK2 1/2-1-NP	31/32	5/8	13/32
3/32	5/64 / 2mm	1/2RBK 2 1/2-2	1/2RBK2 1/2-2-SS	1/2RBK2 1/2-2-316SS	1/2RBK2 1/2-2-AL	1/2RBK2 1/2-2-NP	31/32	5/8	13/32
3/32	1/8	1/2RBK 2 1/2-3	1/2RBK2 1/2-SS	1/2RBK2 1/2-316SS	1/2RBK2 1/2-3-AL	1/2RBK2 1/2-3-NP	1 1/16	5/8	13/32
3/32	5/32 / 4mm	1/2RBK 2 1/2-3 1/2	1/2RBK2 1/2-3 1/2-SS	1/2RBK2 1/2-3 1/2-316SS	1/2RBK2 1/2-3 1/2-AL	1/2RBK2 1/2-3 1/2-NP	1 1/16	5/8	13/32
3/32	.170	1/2RBK 2 1/2-4	1/2RBK2 1/2-4-SS	1/2RBK2 1/2-4-316SS	1/2RBK2 1/2-4-AL	1/2RBK2 1/2-4-NP	1 3/32	5/8	13/32
3/32	3/16	1/2RBK 2 1/2-5	1/2RBK2 1/2-5-SS	1/2RBK2 1/2-5-316SS	1/2RBK2 1/2-5-AL	1/2RBK2 1/2-5-NP	1 1/8	5/8	13/32



Supplied with Lockwasher and Nut or All-in-One Combination!


1/2RBK .045-6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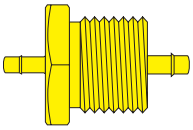
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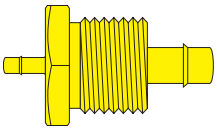
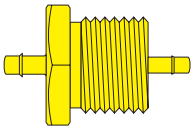

1/2RBK1-4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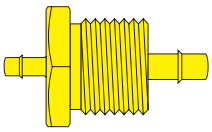
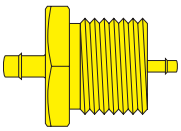
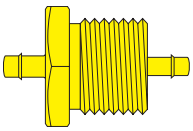
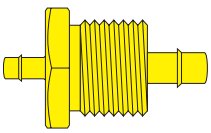

1/2RBK2-3


1/2RBK 2 1/2-.045

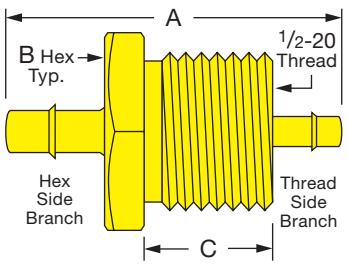

1/2RBK2 1/2-2


1/2RBK 2 1/2-3 1/2

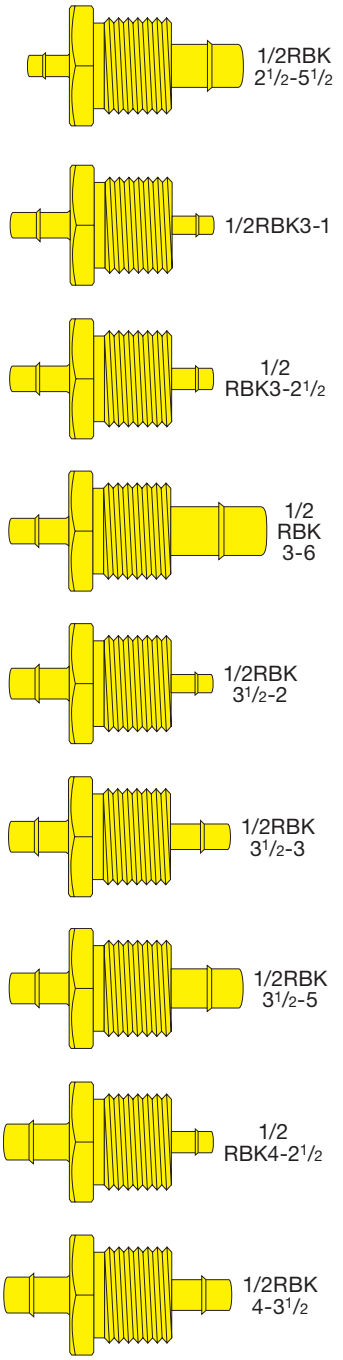
Continued on next page.

Note: *Images are for visual representation only; not intended for dimensional measurements.*

1/2-20 In-line Reducing Bulkheads (cont.) 672



Supplied with Lockwasher & Nut or All-in-One Combination!

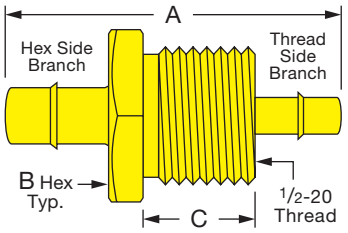


Continued on next page.

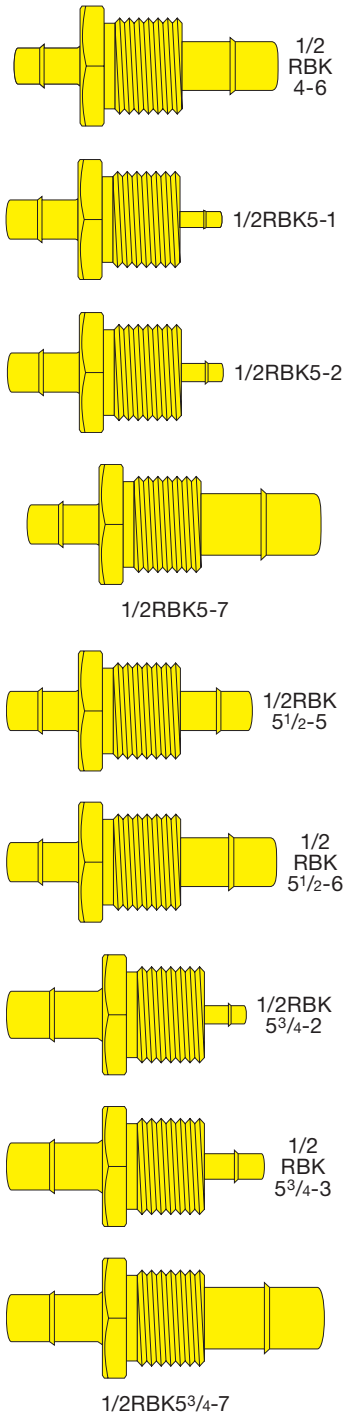
Tube ID		Part Numbers					Dimensions (Reference)		
Hex Side Branch	Thread Side Branch	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
3/32	7/32	1/2RBK 2 1/2-5 1/2	1/2RBK2 1/2-5 1/2-SS	1/2RBK2 1/2-5 1/2-316SS	1/2RBK2 1/2-5 1/2-AL	1/2RBK2 1/2-5 1/2-NP	1 1/8	5/8	13/32
3/32	6mm	1/2RBK2 1/2-5 3/4	1/2RBK2 1/2-5 3/4-SS	1/2RBK2 1/2-5 3/4-316SS	1/2RBK2 1/2-5 3/4-AL	1/2RBK2 1/2-5 3/4-NP	1 1/4	5/8	13/32
3/32	1/4	1/2RBK2 1/2-6	1/2RBK2 1/2-6-SS	1/2RBK2 1/2-6-316SS	1/2RBK2 1/2-6-AL	1/2RBK2 1/2-6-NP	1 1/4	5/8	13/32
3/32	5/16 / 8mm	1/2RBK2 1/2-7	1/2RBK2 1/2-7-SS	1/2RBK2 1/2-7-316SS	1/2RBK2 1/2-7-AL	1/2RBK2 1/2-7-NP	1 1/2	5/8	13/32
3/32	3/8	1/2RBK2 1/2-8	1/2RBK2 1/2-8-SS	1/2RBK2 1/2-8-316SS	1/2RBK2 1/2-8-AL	1/2RBK2 1/2-8-NP	1 9/32	5/8	13/32
1/8	3/64	1/2RBK3-.045	1/2RBK3-.045-SS	1/2RBK3-.045-316SS	1/2RBK3-.045-AL	1/2RBK3-.045-NP	1	5/8	13/32
1/8	1/16	1/2RBK3-1	1/2RBK3-1-SS	1/2RBK3-1-316SS	1/2RBK3-1-AL	1/2RBK3-1-NP	1 1/16	5/8	13/32
1/8	5/64 / 2mm	1/2RBK3-2	1/2RBK3-2-SS	1/2RBK3-2-316SS	1/2RBK3-2-AL	1/2RBK3-2-NP	1 1/16	5/8	13/32
1/8	3/32	1/2RBK3-2 1/2	1/2RBK3-2 1/2-SS	1/2RBK3-2 1/2-316SS	1/2RBK3-2 1/2-AL	1/2RBK3-2 1/2-NP	1 1/16	5/8	13/32
1/8	5/32 / 4mm	1/2RBK3-3 1/2	1/2RBK3-3 1/2-SS	1/2RBK3-3 1/2-316SS	1/2RBK3-3 1/2-AL	1/2RBK3-3 1/2-NP	1 5/32	5/8	13/32
1/8	.170	1/2RBK3-4	1/2RBK3-4-SS	1/2RBK3-4-316SS	1/2RBK3-4-AL	1/2RBK3-4-NP	1 3/16	5/8	13/32
1/8	3/16	1/2RBK3-5	1/2RBK3-5-SS	1/2RBK3-5-316SS	1/2RBK3-5-AL	1/2RBK3-5-NP	1 5/32	5/8	13/32
1/8	7/32	1/2RBK3-5 1/2	1/2RBK3-5 1/2-SS	1/2RBK3-5 1/2-316SS	1/2RBK3-5 1/2-AL	1/2RBK3-5 1/2-NP	1 5/32	5/8	13/32
1/8	6mm	1/2RBK3-5 3/4	1/2RBK3-5 3/4-SS	1/2RBK3-5 3/4-316SS	1/2RBK3-5 3/4-AL	1/2RBK3-5 3/4-NP	1 11/32	5/8	13/32
1/8	1/4	1/2RBK3-6	1/2RBK3-6-SS	1/2RBK3-6-316SS	1/2RBK3-6-AL	1/2RBK3-6-NP	1 11/32	5/8	13/32
1/8	5/16 / 8mm	1/2RBK3-7	1/2RBK3-7-SS	1/2RBK3-7-316SS	1/2RBK3-7-AL	1/2RBK3-7-NP	1 15/32	5/8	13/32
1/8	3/8	1/2RBK3-8	1/2RBK3-8-SS	1/2RBK3-8-316SS	1/2RBK3-8-AL	1/2RBK3-8-NP	1 3/8	5/8	13/32
5/32 / 4mm	3/64	1/2RBK 3 1/2-.045	1/2RBK3 1/2-.045-SS	1/2RBK3 1/2-.045-316SS	1/2RBK3 1/2-.045-AL	1/2RBK3 1/2-.045-NP	1	5/8	13/32
5/32 / 4mm	1/16	1/2RBK 3 1/2-1	1/2RBK3 1/2-1-SS	1/2RBK3 1/2-1-316SS	1/2RBK3 1/2-1-AL	1/2RBK3 1/2-1-NP	1 1/16	5/8	13/32
5/32 / 4mm	5/64 / 2mm	1/2RBK 3 1/2-2	1/2RBK3 1/2-2-SS	1/2RBK3 1/2-2-316SS	1/2RBK3 1/2-2-AL	1/2RBK3 1/2-2-NP	1 1/16	5/8	13/32
5/32 / 4mm	3/32	1/2RBK 3 1/2-2 1/2	1/2RBK3 1/2-2 1/2-SS	1/2RBK3 1/2-2 1/2-316SS	1/2RBK3 1/2-2 1/2-AL	1/2RBK3 1/2-2 1/2-NP	1 1/16	5/8	13/32
5/32 / 4mm	1/8	1/2RBK 3 1/2-3	1/2RBK3 1/2-3-SS	1/2RBK3 1/2-3-316SS	1/2RBK3 1/2-3-AL	1/2RBK3 1/2-3-NP	1 5/32	5/8	13/32
5/32 / 4mm	.170	1/2RBK 3 1/2-4	1/2RBK3 1/2-4-SS	1/2RBK3 1/2-4-316SS	1/2RBK3 1/2-4-AL	1/2RBK3 1/2-4-NP	1 3/16	5/8	13/32
5/32 / 4mm	3/16	1/2RBK 3 1/2-5	1/2RBK3 1/2-5-SS	1/2RBK3 1/2-5-316SS	1/2RBK3 1/2-5-AL	1/2RBK3 1/2-5-NP	1 5/32	5/8	13/32
5/32 / 4mm	7/32	1/2RBK 3 1/2-5 1/2	1/2RBK3 1/2-5 1/2-SS	1/2RBK3 1/2-5 1/2-316SS	1/2RBK3 1/2-5 1/2-AL	1/2RBK3 1/2-5 1/2-NP	1 5/32	5/8	13/32
5/32 / 4mm	6mm	1/2RBK 3 1/2-5 3/4	1/2RBK3 1/2-5 3/4-SS	1/2RBK3 1/2-5 3/4-316SS	1/2RBK3 1/2-5 3/4-AL	1/2RBK3 1/2-5 3/4-NP	1 11/32	5/8	13/32
5/32 / 4mm	1/4	1/2RBK 3 1/2-6	1/2RBK3 1/2-6-SS	1/2RBK3 1/2-6-316SS	1/2RBK3 1/2-6-AL	1/2RBK3 1/2-6-NP	1 11/32	5/8	13/32
5/32 / 4mm	5/16 / 8mm	1/2RBK 3 1/2-7	1/2RBK3 1/2-7-SS	1/2RBK3 1/2-7-316SS	1/2RBK3 1/2-7-AL	1/2RBK3 1/2-7-NP	1 15/32	5/8	13/32
5/32 / 4mm	3/8	1/2RBK 3 1/2-8	1/2RBK3 1/2-8-SS	1/2RBK3 1/2-8-316SS	1/2RBK3 1/2-8-AL	1/2RBK3 1/2-8-NP	1 3/8	5/8	13/32
.170	3/64	1/2RBK4-.045	1/2RBK4-.045-SS	1/2RBK4-.045-316SS	1/2RBK4-.045-AL	1/2RBK4-.045-NP	1 1/32	5/8	13/32
.170	1/16	1/2RBK4-1	1/2RBK4-1-SS	1/2RBK4-1-316SS	1/2RBK4-1-AL	1/2RBK4-1-NP	1 3/32	5/8	13/32
.170	5/64 / 2mm	1/2RBK4-2	1/2RBK4-2-SS	1/2RBK4-2-316SS	1/2RBK4-2-AL	1/2RBK4-2-NP	1 3/32	5/8	13/32
.170	3/32	1/2RBK4-2 1/2	1/2RBK4-2 1/2-SS	1/2RBK4-2 1/2-316SS	1/2RBK4-2 1/2-AL	1/2RBK4-2 1/2-NP	1 3/32	5/8	13/32
.170	1/8	1/2RBK4-3	1/2RBK4-3-SS	1/2RBK4-3-316SS	1/2RBK4-3-AL	1/2RBK4-3-NP	1 3/16	5/8	13/32
.170	5/32 / 4mm	1/2RBK4-3 1/2	1/2RBK4-3 1/2-SS	1/2RBK4-3 1/2-316SS	1/2RBK4-3 1/2-AL	1/2RBK4-3 1/2-NP	1 3/16	5/8	13/32
.170	3/16	1/2RBK4-5	1/2RBK4-5-SS	1/2RBK4-5-316SS	1/2RBK4-5-AL	1/2RBK4-5-NP	1 1/4	5/8	13/32
.170	7/32	1/2RBK4-5 1/2	1/2RBK4-5 1/2-SS	1/2RBK4-5 1/2-316SS	1/2RBK4-5 1/2-AL	1/2RBK4-5 1/2-NP	1 1/4	5/8	13/32
.170	6mm	1/2RBK4-5 3/4	1/2RBK4-5 3/4-SS	1/2RBK4-5 3/4-316SS	1/2RBK4-5 3/4-AL	1/2RBK4-5 3/4-NP	1 3/8	5/8	13/32

673 — 1/2-20 In-line Reducing Bulkhead Fittings (cont.)

Tube ID		Part Numbers					Dimensions (Reference)		
Hex Side Branch	Thread Side Branch	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
.170	1/4	1/2RBK4-6	1/2RBK4-6-SS	1/2RBK4-6-316SS	1/2RBK4-6-AL	1/2RBK4-6-NP	1 3/8	5/8	13/32
.170	5/16 / 8mm	1/2RBK4-7	1/2RBK4-7-SS	1/2RBK4-7-316SS	1/2RBK4-7-AL	1/2RBK4-7-NP	1 1/2	5/8	13/32
.170	3/8	1/2RBK4-8	1/2RBK4-8-SS	1/2RBK4-8-316SS	1/2RBK4-8-AL	1/2RBK4-8-NP	1 13/32	5/8	13/32
3/16	3/64	1/2RBK5-.045	1/2RBK5-.045-SS	1/2RBK5-.045-316SS	1/2RBK5-.045-AL	1/2RBK5-.045-NP	1 1/16	5/8	13/32
3/16	1/16	1/2RBK5-1	1/2RBK5-1-SS	1/2RBK5-1-316SS	1/2RBK5-1-AL	1/2RBK5-1-NP	1 1/8	5/8	13/32
3/16	5/64 / 2mm	1/2RBK5-2	1/2RBK5-2-SS	1/2RBK5-2-316SS	1/2RBK5-2-AL	1/2RBK5-2-NP	1 1/8	5/8	13/32
3/16	3/32	1/2RBK5-2 1/2	1/2RBK5-2 1/2-SS	1/2RBK5-2 1/2-316SS	1/2RBK5-2 1/2-AL	1/2RBK5-2 1/2-NP	1 1/8	5/8	13/32
3/16	1/8	1/2RBK5-3	1/2RBK5-3-SS	1/2RBK5-3-316SS	1/2RBK5-3-AL	1/2RBK5-3-NP	1 5/32	5/8	13/32
3/16	5/32 / 4mm	1/2RBK5-3 1/2	1/2RBK5-3 1/2-SS	1/2RBK5-3 1/2-316SS	1/2RBK5-3 1/2-AL	1/2RBK5-3 1/2-NP	1 5/32	5/8	13/32
3/16	.170	1/2RBK5-4	1/2RBK5-4-SS	1/2RBK5-4-316SS	1/2RBK5-4-AL	1/2RBK5-4-NP	1 1/4	5/8	13/32
3/16	7/32	1/2RBK5-5 1/2	1/2RBK5-5 1/2-SS	1/2RBK5-5 1/2-316SS	1/2RBK5-5 1/2-AL	1/2RBK5-5 1/2-NP	1 9/32	5/8	13/32
3/16	6mm	1/2RBK5-5 3/4	1/2RBK5-5 3/4-SS	1/2RBK5-5 3/4-316SS	1/2RBK5-5 3/4-AL	1/2RBK5-5 3/4-NP	1 13/32	5/8	13/32
3/16	1/4	1/2RBK5-6	1/2RBK5-6-SS	1/2RBK5-6-316SS	1/2RBK5-6-AL	1/2RBK5-6-NP	1 13/32	5/8	13/32
3/16	5/16 / 8mm	1/2RBK5-7	1/2RBK5-7-SS	1/2RBK5-7-316SS	1/2RBK5-7-AL	1/2RBK5-7-NP	1 17/32	5/8	13/32
3/16	3/8	1/2RBK5-8	1/2RBK5-8-SS	1/2RBK5-8-316SS	1/2RBK5-8-AL	1/2RBK5-8-NP	1 7/16	5/8	13/32
7/32	3/64	1/2RBK 5 1/2-.045	1/2RBK5 1/2-.045-SS	1/2RBK5 1/2-.045-316SS	1/2RBK5 1/2-.045-AL	1/2RBK5 1/2-.045-NP	1 1/16	5/8	13/32
7/32	1/16	1/2RBK 5 1/2-1	1/2RBK5 1/2-1-SS	1/2RBK5 1/2-1-316SS	1/2RBK5 1/2-1-AL	1/2RBK5 1/2-1-NP	1 1/8	5/8	13/32
7/32	5/64 / 2mm	1/2RBK 5 1/2-2	1/2RBK5 1/2-2-SS	1/2RBK5 1/2-2-316SS	1/2RBK5 1/2-2-AL	1/2RBK5 1/2-2-NP	1 1/8	5/8	13/32
7/32	3/32	1/2RBK 5 1/2-2 1/2	1/2RBK5 1/2-2 1/2-SS	1/2RBK5 1/2-2 1/2-316SS	1/2RBK5 1/2-2 1/2-AL	1/2RBK5 1/2-2 1/2-NP	1 1/8	5/8	13/32
7/32	1/8	1/2RBK 5 1/2-3	1/2RBK5 1/2-3-SS	1/2RBK5 1/2-3-316SS	1/2RBK5 1/2-3-AL	1/2RBK5 1/2-3-NP	1 5/32	5/8	13/32
7/32	5/32 / 4mm	1/2RBK 5 1/2-3 1/2	1/2RBK5 1/2-3 1/2-SS	1/2RBK5 1/2-3 1/2-316SS	1/2RBK5 1/2-3 1/2-AL	1/2RBK5 1/2-3 1/2-NP	1 5/32	5/8	13/32
7/32	.170	1/2RBK 5 1/2-4	1/2RBK5 1/2-4-SS	1/2RBK5 1/2-4-316SS	1/2RBK5 1/2-4-AL	1/2RBK5 1/2-4-NP	1 1/4	5/8	13/32
7/32	3/16	1/2RBK 5 1/2-5	1/2RBK5 1/2-5-SS	1/2RBK5 1/2-5-316SS	1/2RBK5 1/2-5-AL	1/2RBK5 1/2-5-NP	1 9/32	5/8	13/32
7/32	6mm	1/2RBK 5 1/2-5 3/4	1/2RBK5 1/2-5 3/4-SS	1/2RBK5 1/2-5 3/4-316SS	1/2RBK5 1/2-5 3/4-AL	1/2RBK5 1/2-5 3/4-NP	1 13/32	5/8	13/32
7/32	1/4	1/2RBK 5 1/2-6	1/2RBK5 1/2-6-SS	1/2RBK5 1/2-6-316SS	1/2RBK5 1/2-6-AL	1/2RBK5 1/2-6-NP	1 13/32	5/8	13/32
7/32	5/16 / 8mm	1/2RBK 5 1/2-7	1/2RBK5 1/2-7-SS	1/2RBK5 1/2-7-316SS	1/2RBK5 1/2-7-AL	1/2RBK5 1/2-7-NP	1 17/32	5/8	13/32
7/32	3/8	1/2RBK 5 1/2-8	1/2RBK5 1/2-8-SS	1/2RBK5 1/2-8-316SS	1/2RBK5 1/2-8-AL	1/2RBK5 1/2-8-NP	1 7/16	5/8	13/32
6mm	3/64	1/2RBK 5 3/4-.045	1/2RBK5 3/4-.045-SS	1/2RBK5 3/4-.045-316SS	1/2RBK5 3/4-.045-AL	1/2RBK5 3/4-.045-NP	1 3/16	5/8	13/32
6mm	1/16	1/2RBK 5 3/4-1	1/2RBK5 3/4-1-SS	1/2RBK5 3/4-1-316SS	1/2RBK5 3/4-1-AL	1/2RBK5 3/4-1-NP	1 1/4	5/8	13/32
6mm	5/64 / 2mm	1/2RBK 5 3/4-2	1/2RBK5 3/4-2-SS	1/2RBK5 3/4-2-316SS	1/2RBK5 3/4-2-AL	1/2RBK5 3/4-2-NP	1 1/4	5/8	13/32
6mm	3/32	1/2RBK 5 3/4-2 1/2	1/2RBK5 3/4-2 1/2-SS	1/2RBK5 3/4-2 1/2-316SS	1/2RBK5 3/4-2 1/2-AL	1/2RBK5 3/4-2 1/2-NP	1 1/4	5/8	13/32
6mm	1/8	1/2RBK 5 3/4-3	1/2RBK5 3/4-3-SS	1/2RBK5 3/4-3-316SS	1/2RBK5 3/4-3-AL	1/2RBK5 3/4-3-NP	1 11/32	5/8	13/32
6mm	5/32 / 4mm	1/2RBK 5 3/4-3 1/2	1/2RBK5 3/4-3 1/2-SS	1/2RBK5 3/4-3 1/2-316SS	1/2RBK5 3/4-3 1/2-AL	1/2RBK5 3/4-3 1/2-NP	1 11/32	5/8	13/32
6mm	.170	1/2RBK 5 3/4-4	1/2RBK5 3/4-4-SS	1/2RBK5 3/4-4-316SS	1/2RBK5 3/4-4-AL	1/2RBK5 3/4-4-NP	1 3/8	5/8	13/32
6mm	3/16	1/2RBK 5 3/4-5	1/2RBK5 3/4-5-SS	1/2RBK5 3/4-5-316SS	1/2RBK5 3/4-5-AL	1/2RBK5 3/4-5-NP	1 13/32	5/8	13/32
6mm	7/32	1/2RBK 5 3/4-5 1/2	1/2RBK5 3/4-5 1/2-SS	1/2RBK5 3/4-5 1/2-316SS	1/2RBK5 3/4-5 1/2-AL	1/2RBK5 3/4-5 1/2-NP	1 13/32	5/8	13/32
6mm	1/4	1/2RBK 5 3/4-6	1/2RBK5 3/4-6-SS	1/2RBK5 3/4-6-316SS	1/2RBK5 3/4-6-AL	1/2RBK5 3/4-6-NP	1 17/32	5/8	13/32
6mm	5/16 / 8mm	1/2RBK 5 3/4-7	1/2RBK5 3/4-7-SS	1/2RBK5 3/4-7-316SS	1/2RBK5 3/4-7-AL	1/2RBK5 3/4-7-NP	1 21/32	5/8	13/32



Supplied with Lockwasher & Nut or All-in-One Combination!



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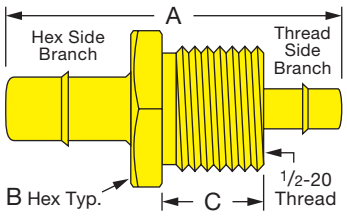
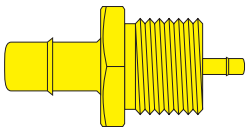
1/2-20 In-line Reducing Bulkheads (cont.) 674



Supplied with Lockwasher & Nut or All-in-One Combination!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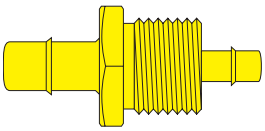
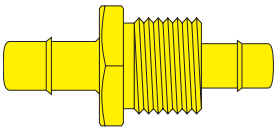
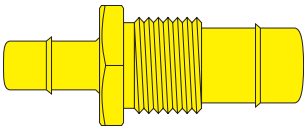
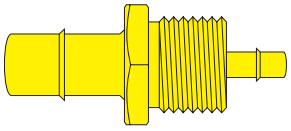
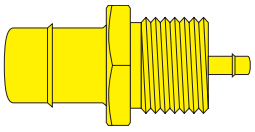
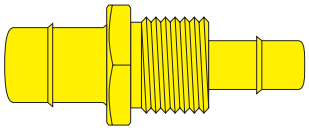

1/2 RBK 6-3 1/2

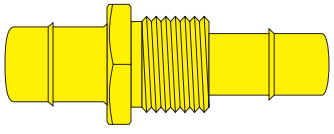

1/2 RBK 6-5 1/2


1/2RBK6-8


1/2 RBK 7-3


1/2 RBK8-2


1/2RBK8-6


1/2RBK8-7

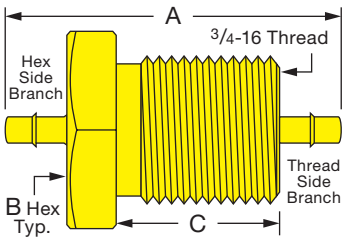
1/2-20 Elbow, Tee, & V-Tee Bulkheads also available! Consult factory for details!

Tube ID		Part Numbers					Dimensions (Reference)		
Hex Side Branch	Thread Side Branch	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
6mm	3/8	1/2RBK 5 3/4-8	1/2RBK5 3/4-8-SS	1/2RBK5 3/4-8-316SS	1/2RBK5 3/4-8-AL	1/2RBK5 3/4-8-NP	1 9/16	5/8	13/32
1/4	3/64	1/2RBK6-.045	1/2RBK6-.045-SS	1/2RBK6-.045-316SS	1/2RBK6-.045-AL	1/2RBK6-.045-NP	1 3/16	5/8	13/32
1/4	1/16	1/2RBK6-1	1/2RBK6-1-SS	1/2RBK6-1-316SS	1/2RBK6-1-AL	1/2RBK6-1-NP	1 1/4	5/8	13/32
1/4	5/64 / 2mm	1/2RBK6-2	1/2RBK6-2-SS	1/2RBK6-2-316SS	1/2RBK6-2-AL	1/2RBK6-2-NP	1 1/4	5/8	13/32
1/4	3/32	1/2RBK6-2 1/2	1/2RBK6-2 1/2-SS	1/2RBK6-2 1/2-316SS	1/2RBK6-2 1/2-AL	1/2RBK6-2 1/2-NP	1 1/4	5/8	13/32
1/4	1/8	1/2RBK6-3	1/2RBK6-3-SS	1/2RBK6-3-316SS	1/2RBK6-3-AL	1/2RBK6-3-NP	1 11/32	5/8	13/32
1/4	5/32 / 4mm	1/2RBK6-3 1/2	1/2RBK6-3 1/2-SS	1/2RBK6-3 1/2-316SS	1/2RBK6-3 1/2-AL	1/2RBK6-3 1/2-NP	1 11/32	5/8	13/32
1/4	.170	1/2RBK6-4	1/2RBK6-4-SS	1/2RBK6-4-316SS	1/2RBK6-4-AL	1/2RBK6-4-NP	1 3/8	5/8	13/32
1/4	3/16	1/2RBK6-5	1/2RBK6-5-SS	1/2RBK6-5-316SS	1/2RBK6-5-AL	1/2RBK6-5-NP	1 13/32	5/8	13/32
1/4	7/32	1/2RBK6-5 1/2	1/2RBK6-5 1/2-SS	1/2RBK6-5 1/2-316SS	1/2RBK6-5 1/2-AL	1/2RBK6-5 1/2-NP	1 13/32	5/8	13/32
1/4	6mm	1/2RBK6-5 3/4	1/2RBK6-5 3/4-SS	1/2RBK6-5 3/4-316SS	1/2RBK6-5 3/4-AL	1/2RBK6-5 3/4-NP	1 17/32	5/8	13/32
1/4	5/16 / 8mm	1/2RBK6-7	1/2RBK6-7-SS	1/2RBK6-7-316SS	1/2RBK6-7-AL	1/2RBK6-7-NP	1 21/32	5/8	13/32
1/4	3/8	1/2RBK6-8	1/2RBK6-8-SS	1/2RBK6-8-316SS	1/2RBK6-8-AL	1/2RBK6-8-NP	1 9/16	5/8	13/32
5/16 / 8mm	3/64	1/2RBK7-.045	1/2RBK7-.045-SS	1/2RBK7-.045-316SS	1/2RBK7-.045-AL	1/2RBK7-.045-NP	1 5/16	5/8	13/32
5/16 / 8mm	1/16	1/2RBK7-1	1/2RBK7-1-SS	1/2RBK7-1-316SS	1/2RBK7-1-AL	1/2RBK7-1-NP	1 1/2	5/8	13/32
5/16 / 8mm	5/64 / 2mm	1/2RBK7-2	1/2RBK7-2-SS	1/2RBK7-2-316SS	1/2RBK7-2-AL	1/2RBK7-2-NP	1 1/2	5/8	13/32
5/16 / 8mm	3/32	1/2RBK7-2 1/2	1/2RBK7-2 1/2-SS	1/2RBK7-2 1/2-316SS	1/2RBK7-2 1/2-AL	1/2RBK7-2 1/2-NP	1 1/2	5/8	13/32
5/16 / 8mm	1/8	1/2RBK7-3	1/2RBK7-3-SS	1/2RBK7-3-316SS	1/2RBK7-3-AL	1/2RBK7-3-NP	1 15/32	5/8	13/32
5/16 / 8mm	5/64 / 2mm	1/2RBK7-3 1/2	1/2RBK7-3 1/2-SS	1/2RBK7-3 1/2-316SS	1/2RBK7-3 1/2-AL	1/2RBK7-3 1/2-NP	1 15/32	5/8	13/32
5/16 / 8mm	.170	1/2RBK7-4	1/2RBK7-4-SS	1/2RBK7-4-316SS	1/2RBK7-4-AL	1/2RBK7-4-NP	1 1/2	5/8	13/32
5/16 / 8mm	3/16	1/2RBK7-5	1/2RBK7-5-SS	1/2RBK7-5-316SS	1/2RBK7-5-AL	1/2RBK7-5-NP	1 17/32	5/8	13/32
5/16 / 8mm	7/32	1/2RBK7-5 1/2	1/2RBK7-5 1/2-SS	1/2RBK7-5 1/2-316SS	1/2RBK7-5 1/2-AL	1/2RBK7-5 1/2-NP	1 17/32	5/8	13/32
5/16 / 8mm	6mm	1/2RBK7-5 3/4	1/2RBK7-5 3/4-SS	1/2RBK7-5 3/4-316SS	1/2RBK7-5 3/4-AL	1/2RBK7-5 3/4-NP	1 21/32	5/8	13/32
5/16 / 8mm	1/4	1/2RBK7-6	1/2RBK7-6-SS	1/2RBK7-6-316SS	1/2RBK7-6-AL	1/2RBK7-6-NP	1 21/32	5/8	13/32
5/16 / 8mm	3/8	1/2RBK7-8	1/2RBK7-8-SS	1/2RBK7-8-316SS	1/2RBK7-8-AL	1/2RBK7-8-NP	1 11/16	5/8	13/32
3/8	3/64	1/2RBK8-.045	1/2RBK8-.045-SS	1/2RBK8-.045-316SS	1/2RBK8-.045-AL	1/2RBK8-.045-NP	1 7/16	5/8	13/32
3/8	1/16	1/2RBK8-1	1/2RBK8-1-SS	1/2RBK8-1-316SS	1/2RBK8-1-AL	1/2RBK8-1-NP	1 9/32	5/8	13/32
3/8	5/64 / 2mm	1/2RBK8-2	1/2RBK8-2-SS	1/2RBK8-2-316SS	1/2RBK8-2-AL	1/2RBK8-2-NP	1 9/32	5/8	13/32
3/8	3/32	1/2RBK8-2 1/2	1/2RBK8-2 1/2-SS	1/2RBK8-2 1/2-316SS	1/2RBK8-2 1/2-AL	1/2RBK8-2 1/2-NP	1 9/32	5/8	13/32
3/8	1/8	1/2RBK8-3	1/2RBK8-3-SS	1/2RBK8-3-316SS	1/2RBK8-3-AL	1/2RBK8-3-NP	1 3/8	5/8	13/32
3/8	5/32 / 4mm	1/2RBK8-3 1/2	1/2RBK8-3 1/2-SS	1/2RBK8-3 1/2-316SS	1/2RBK8-3 1/2-AL	1/2RBK8-3 1/2-NP	1 3/8	5/8	13/32
3/8	.170	1/2RBK8-4	1/2RBK8-4-SS	1/2RBK8-4-316SS	1/2RBK8-4-AL	1/2RBK8-4-NP	1 13/32	5/8	13/32
3/8	3/16	1/2RBK8-5	1/2RBK8-5-SS	1/2RBK8-5-316SS	1/2RBK8-5-AL	1/2RBK8-5-NP	1 7/16	5/8	13/32
3/8	7/32	1/2RBK8-5 1/2	1/2RBK8-5 1/2-SS	1/2RBK8-5 1/2-316SS	1/2RBK8-5 1/2-AL	1/2RBK8-5 1/2-NP	1 7/16	5/8	13/32
3/8	6mm	1/2RBK8-5 3/4	1/2RBK8-5 3/4-SS	1/2RBK8-5 3/4-316SS	1/2RBK8-5 3/4-AL	1/2RBK8-5 3/4-NP	1 9/16	5/8	13/32
3/8	1/4	1/2RBK8-6	1/2RBK8-6-SS	1/2RBK8-6-316SS	1/2RBK8-6-AL	1/2RBK8-6-NP	1 9/16	5/8	13/32
3/8	5/16 / 8mm	1/2RBK8-7	1/2RBK8-7-SS	1/2RBK8-7-316SS	1/2RBK8-7-AL	1/2RBK8-7-NP	1 11/16	5/8	13/32

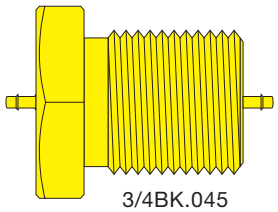
Z

675 — 3/4-16 In-line Bulkhead & Reducing Bulkheads

Tube ID		Part Numbers					Dimensions (Reference)		
Hex Side Branch	Thread Side Branch	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
3/64	3/64	3/4BK.045	3/4BK.045-SS	3/4BK.045-316SS	3/4BK.045-AL	3/4BK.045-NP	1 25/64	1	53/64
1/16	1/16	3/4BK1	3/4BK1-SS	3/4BK1-316SS	3/4BK1-AL	3/4BK1-NP	1 33/64	1	53/64
5/64 / 2mm	5/64 / 2mm	3/4BK2	3/4BK2-SS	3/4BK2-316SS	3/4BK2-AL	3/4BK2-NP	1 33/64	1	53/64
3/32	3/32	3/4BK2 1/2	3/4BK2 1/2-SS	3/4BK2 1/2-316SS	3/4BK2 1/2-AL	3/4BK2 1/2-NP	1 33/64	1	53/64
1/8	1/8	3/4BK3	3/4BK3-SS	3/4BK3-316SS	3/4BK3-AL	3/4BK3-NP	1 45/64	1	53/64
5/32 / 4mm	5/32 / 4mm	3/4BK3 1/2	3/4BK3 1/2-SS	3/4BK3 1/2-316SS	3/4BK3 1/2-AL	3/4BK3 1/2-NP	1 45/64	1	53/64
.170	.170	3/4BK4	3/4BK4-SS	3/4BK4-316SS	3/4BK4-AL	3/4BK4-NP	1 49/64	1	53/64
3/16	3/16	3/4BK5	3/4BK5-SS	3/4BK5-316SS	3/4BK5-AL	3/4BK5-NP	1 53/64	1	53/64
7/32	7/32	3/4BK5 1/2	3/4BK5 1/2-SS	3/4BK5 1/2-316SS	3/4BK5 1/2-AL	3/4BK5 1/2-NP	1 53/64	1	53/64
6mm	6mm	3/4BK5 3/4	3/4BK5 3/4-SS	3/4BK5 3/4-316SS	3/4BK5 3/4-AL	3/4BK5 3/4-NP	2 5/64	1	53/64
1/4	1/4	3/4BK6	3/4BK6-SS	3/4BK6-316SS	3/4BK6-AL	3/4BK6-NP	2 5/64	1	53/64
5/16 / 8mm	5/16 / 8mm	3/4BK7	3/4BK7-SS	3/4BK7-316SS	3/4BK7-AL	3/4BK7-NP	2 21/64	1	53/64
3/8	3/8	3/4BK8	3/4BK8-SS	3/4BK8-316SS	3/4BK8-AL	3/4BK8-NP	2 9/64	1	53/64
1/2	1/2	3/4BK10	3/4BK10-SS	3/4BK10-316SS	3/4BK10-AL	3/4BK10-NP	2.802	1	53/64
3/64	1/16	3/4RBK .045-1	3/4RBK.045-1-SS	3/4RBK.045-1-316SS	3/4RBK.045-1-AL	3/4RBK.045-1-NP	1 29/64	1	53/64
3/64	5/64 / 2mm	3/4RBK .045-2	3/4RBK.045-2-SS	3/4RBK.045-2-316SS	3/4RBK.045-2-AL	3/4RBK.045-2-NP	1 29/64	1	53/64
3/64	3/32	3/4RBK .045-2 1/2	3/4RBK.045-2 1/2-SS	3/4RBK.045-2 1/2-316SS	3/4RBK.045-2 1/2-AL	3/4RBK.045-2 1/2-NP	1 29/64	1	53/64
3/64	1/8	3/4RBK .045-3	3/4RBK.045-3-SS	3/4RBK.045-3-316SS	3/4RBK.045-3-AL	3/4RBK.045-3-NP	1 35/64	1	53/64
3/64	5/32 / 4mm	3/4RBK .045-3 1/2	3/4RBK.045-3 1/2-SS	3/4RBK.045-3 1/2-316SS	3/4RBK.045-3 1/2-AL	3/4RBK.045-3 1/2-NP	1 35/64	1	53/64
3/64	.170	3/4RBK .045-4	3/4RBK.045-4-SS	3/4RBK.045-4-316SS	3/4RBK.045-4-AL	3/4RBK.045-4-NP	1 37/64	1	53/64
3/64	3/16	3/4RBK .045-5	3/4RBK.045-5-SS	3/4RBK.045-5-316SS	3/4RBK.045-5-AL	3/4RBK.045-5-NP	1 39/64	1	53/64
3/64	7/32	3/4RBK .045-5 1/2	3/4RBK.045-5 1/2-SS	3/4RBK.045-5 1/2-316SS	3/4RBK.045-5 1/2-AL	3/4RBK.045-5 1/2-NP	1 39/64	1	53/64
3/64	6mm	3/4RBK .045-5 3/4	3/4RBK.045-5 3/4-SS	3/4RBK.045-5 3/4-316SS	3/4RBK.045-5 3/4-AL	3/4RBK.045-5 3/4-NP	1 47/64	1	53/64
3/64	1/4	3/4RBK .045-6	3/4RBK.045-6-SS	3/4RBK.045-6-316SS	3/4RBK.045-6-AL	3/4RBK.045-6-NP	1 47/64	1	53/64
3/64	5/16 / 8mm	3/4RBK .045-7	3/4RBK.045-7-SS	3/4RBK.045-7-316SS	3/4RBK.045-7-AL	3/4RBK.045-7-NP	1 55/64	1	53/64
3/64	3/8	3/4RBK .045-8	3/4RBK.045-8-SS	3/4RBK.045-8-316SS	3/4RBK.045-8-AL	3/4RBK.045-8-NP	1 49/64	1	53/64
3/64	1/2	3/4RBK .045-10	3/4RBK.045-10-SS	3/4RBK.045-10-316SS	3/4RBK.045-10-AL	3/4RBK.045-10-NP	2.096	1	53/64
1/16	3/64	3/4RBK1-.045	3/4RBK1-.045-SS	3/4RBK1-.045-316SS	3/4RBK1-.045-AL	3/4RBK1-.045-NP	1 29/64	1	53/64
1/16	5/64 / 2mm	3/4RBK1-2	3/4RBK1-2-SS	3/4RBK1-2-316SS	3/4RBK1-2-AL	3/4RBK1-2-NP	1 33/64	1	53/64
1/16	3/32	3/4RBK1-2 1/2	3/4RBK1-2 1/2-SS	3/4RBK1-2 1/2-316SS	3/4RBK1-2 1/2-AL	3/4RBK1-2 1/2-NP	1 33/64	1	53/64
1/16	1/8	3/4RBK1-3	3/4RBK1-3-SS	3/4RBK1-3-316SS	3/4RBK1-3-AL	3/4RBK1-3-NP	1 39/64	1	53/64
1/16	5/32 / 4mm	3/4RBK1-3 1/2	3/4RBK1-3 1/2-SS	3/4RBK1-3 1/2-316SS	3/4RBK1-3 1/2-AL	3/4RBK1-3 1/2-NP	1 39/64	1	53/64
1/16	.170	3/4RBK1-4	3/4RBK1-4-SS	3/4RBK1-4-316SS	3/4RBK1-4-AL	3/4RBK1-4-NP	1 41/64	1	53/64
1/16	3/16	3/4RBK1-5	3/4RBK1-5-SS	3/4RBK1-5-316SS	3/4RBK1-5-AL	3/4RBK1-5-NP	1 43/64	1	53/64
1/16	7/32	3/4RBK1-5 1/2	3/4RBK1-5 1/2-SS	3/4RBK1-5 1/2-316SS	3/4RBK1-5 1/2-AL	3/4RBK1-5 1/2-NP	1 43/64	1	53/64
1/16	6mm	3/4RBK1-5 3/4	3/4RBK1-5 3/4-SS	3/4RBK1-5 3/4-316SS	3/4RBK1-5 3/4-AL	3/4RBK1-5 3/4-NP	1 51/64	1	53/64



Supplied with Lockwasher & Nut or All-in-One Combination!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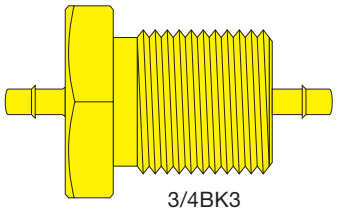
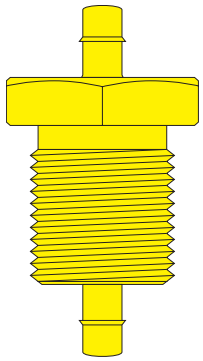
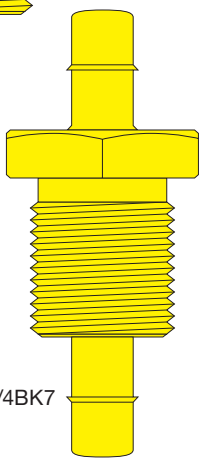
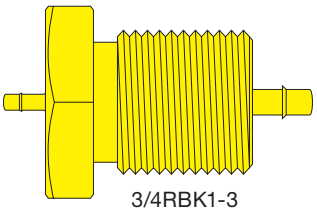

3/4BK3


3/4BK5


3/4BK7


3/4RBK1-3

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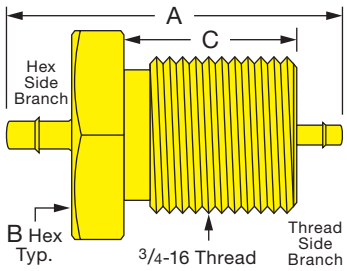
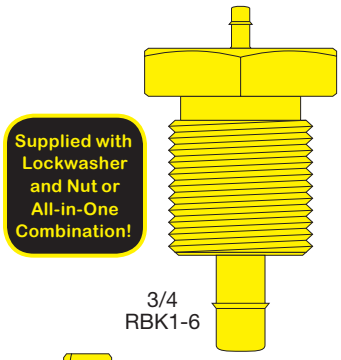
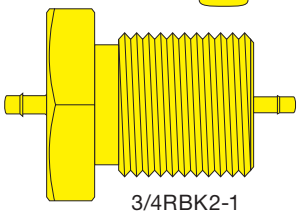
3/4-16 In-line Reducing Bulkheads (cont.) 676

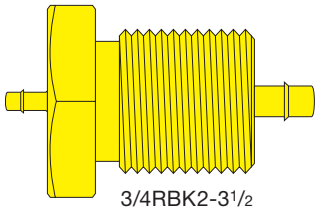




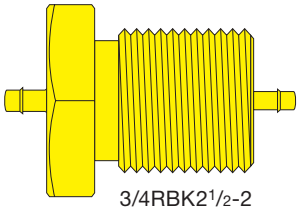
3/4 RBK1-6



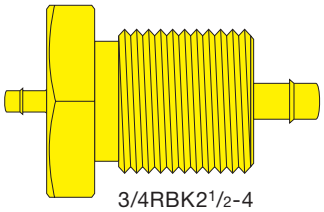
3/4RBK2-1



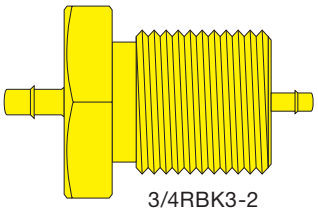
3/4RBK2-3½



3/4RBK2½-2



3/4RBK2½-4



3/4RBK3-2

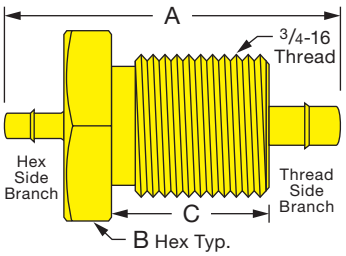
Continued on next page.

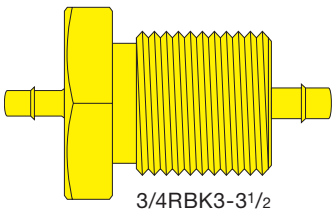
Tube ID		Part Numbers					Dimensions (Reference)		
Hex Side Branch	Thread Side Branch	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	1/4	3/4RBK1-6	3/4RBK1-6-SS	3/4RBK1-6-316SS	3/4RBK1-6-AL	3/4RBK1-6-NP	1 51/64	1	53/64
1/16	5/16 / 8mm	3/4RBK1-7	3/4RBK1-7-SS	3/4RBK1-7-116SS	3/4RBK1-7-AL	3/4RBK1-7-NP	1 59/64	1	53/64
1/16	3/8	3/4RBK1-8	3/4RBK1-8-SS	3/4RBK1-8-116SS	3/4RBK1-8-AL	3/4RBK1-8-NP	1 53/64	1	53/64
1/16	1/2	3/4RBK1-10	3/4RBK1-10-SS	3/4RBK1-10-116SS	3/4RBK1-10-AL	3/4RBK1-10-NP	2.159	1	53/64
5/64 / 2mm	3/64	3/4RBK2-.045	3/4RBK2-.045-SS	3/4RBK2-.045-316SS	3/4RBK2-.045-AL	3/4RBK2-.045-NP	1 29/64	1	53/64
5/64 / 2mm	1/16	3/4RBK2-1	3/4RBK2-1-SS	3/4RBK2-1-316SS	3/4RBK2-1-AL	3/4RBK2-1-NP	1 33/64	1	53/64
5/64 / 2mm	3/32	3/4RBK2-2½	3/4RBK2-2½-SS	3/4RBK2-2½-316SS	3/4RBK2-2½-AL	3/4RBK2-2½-NP	1 33/64	1	53/64
5/64 / 2mm	1/8	3/4RBK2-3	3/4RBK2-3-SS	3/4RBK2-3-316SS	3/4RBK2-3-AL	3/4RBK2-3-NP	1 39/64	1	53/64
5/64 / 2mm	5/32 / 4mm	3/4RBK2-3½	3/4RBK2-3½-SS	3/4RBK2-3½-316SS	3/4RBK2-3½-AL	3/4RBK2-3½-NP	1 39/64	1	53/64
5/64 / 2mm	.170	3/4RBK2-4	3/4RBK2-4-SS	3/4RBK2-4-316SS	3/4RBK2-4-AL	3/4RBK2-4-NP	1 41/64	1	53/64
5/64 / 2mm	3/16	3/4RBK2-5	3/4RBK2-5-SS	3/4RBK2-5-316SS	3/4RBK2-5-AL	3/4RBK2-5-NP	1 43/64	1	53/64
5/64 / 2mm	7/32	3/4RBK2-5½	3/4RBK2-5½-SS	3/4RBK2-5½-316SS	3/4RBK2-5½-AL	3/4RBK2-5½-NP	1 43/64	1	53/64
5/64 / 2mm	6mm	3/4RBK2-5¾	3/4RBK2-5¾-SS	3/4RBK2-5¾-316SS	3/4RBK2-5¾-AL	3/4RBK2-5¾-NP	1 51/64	1	53/64
5/64 / 2mm	1/4	3/4RBK2-6	3/4RBK2-6-SS	3/4RBK2-6-316SS	3/4RBK2-6-AL	3/4RBK2-6-NP	1 51/64	1	53/64
5/64 / 2mm	5/16 / 8mm	3/4RBK2-7	3/4RBK2-7-SS	3/4RBK2-7-216SS	3/4RBK2-7-AL	3/4RBK2-7-NP	1 59/64	1	53/64
5/64 / 2mm	3/8	3/4RBK2-8	3/4RBK2-8-SS	3/4RBK2-8-216SS	3/4RBK2-8-AL	3/4RBK2-8-NP	1 53/64	1	53/64
5/64 / 2mm	1/2	3/4RBK2-10	3/4RBK2-10-SS	3/4RBK2-10-116SS	3/4RBK2-10-AL	3/4RBK2-10-NP	2.159	1	53/64
3/32	3/64	3/4RBK 2½-.045	3/4RBK2½-.045-SS	3/4RBK2½-.045-316SS	3/4RBK2½-.045-AL	3/4RBK2½-.045-NP	1 29/64	1	53/64
3/32	1/16	3/4RBK 2½-1	3/4RBK2½-1-SS	3/4RBK2½-1-316SS	3/4RBK2½-1-AL	3/4RBK2½-1-NP	1 33/64	1	53/64
3/32	5/64 / 2mm	3/4RBK 2½-2	3/4RBK2½-2-SS	3/4RBK2½-2-316SS	3/4RBK2½-2-AL	3/4RBK2½-2-NP	1 33/64	1	53/64
3/32	1/8	3/4RBK 2½-3	3/4RBK2½-3-SS	3/4RBK2½-3-316SS	3/4RBK2½-3-AL	3/4RBK2½-3-NP	1 39/64	1	53/64
3/32	5/32 / 4mm	3/4RBK 2½-3½	3/4RBK2½-3½-SS	3/4RBK2½-3½-316SS	3/4RBK2½-3½-AL	3/4RBK2½-3½-NP	1 39/64	1	53/64
3/32	.170	3/4RBK 2½-4	3/4RBK2½-4-SS	3/4RBK2½-4-316SS	3/4RBK2½-4-AL	3/4RBK2½-4-NP	1 41/64	1	53/64
3/32	3/16	3/4RBK 2½-5	3/4RBK2½-5-SS	3/4RBK2½-5-316SS	3/4RBK2½-5-AL	3/4RBK2½-5-NP	1 43/64	1	53/64
3/32	7/32	3/4RBK 2½-5½	3/4RBK2½-5½-SS	3/4RBK2½-5½-316SS	3/4RBK2½-5½-AL	3/4RBK2½-5½-NP	1 43/64	1	53/64
3/32	6mm	3/4RBK2½-5¾	3/4RBK2½-5¾-SS	3/4RBK2½-5¾-316SS	3/4RBK2½-5¾-AL	3/4RBK2½-5¾-NP	1 51/64	1	53/64
3/32	1/4	3/4RBK2½-6	3/4RBK2½-6-SS	3/4RBK2½-6-316SS	3/4RBK2½-6-AL	3/4RBK2½-6-NP	1 51/64	1	53/64
3/32	5/16 / 8mm	3/4RBK2½-7	3/4RBK2½-7-SS	3/4RBK2½-7-316SS	3/4RBK2½-7-AL	3/4RBK2½-7-NP	1 59/64	1	53/64
3/32	3/8	3/4RBK2½-8	3/4RBK2½-8-SS	3/4RBK2½-8-316SS	3/4RBK2½-8-AL	3/4RBK2½-8-NP	1 53/64	1	53/64
3/32	1/2	3/4RBK2½-10	3/4RBK2½-10-SS	3/4RBK2½-10-316SS	3/4RBK2½-10-AL	3/4RBK2½-10-NP	2.159	1	53/64
1/8	3/64	3/4RBK3-.045	3/4RBK3-.045-SS	3/4RBK3-.045-316SS	3/4RBK3-.045-AL	3/4RBK3-.045-NP	1 35/64	1	53/64
1/8	1/16	3/4RBK3-1	3/4RBK3-1-SS	3/4RBK3-1-316SS	3/4RBK3-1-AL	3/4RBK3-1-NP	1 39/64	1	53/64
1/8	5/64 / 2mm	3/4RBK3-2	3/4RBK3-2-SS	3/4RBK3-2-316SS	3/4RBK3-2-AL	3/4RBK3-2-NP	1 39/64	1	53/64
1/8	3/32	3/4RBK3-2½	3/4RBK3-2½-SS	3/4RBK3-2½-316SS	3/4RBK3-2½-AL	3/4RBK3-2½-NP	1 39/64	1	53/64
1/8	5/32 / 4mm	3/4RBK3-3½	3/4RBK3-3½-SS	3/4RBK3-3½-316SS	3/4RBK3-3½-AL	3/4RBK3-3½-NP	1 45/64	1	53/64
1/8	.170	3/4RBK3-4	3/4RBK3-4-SS	3/4RBK3-4-316SS	3/4RBK3-4-AL	3/4RBK3-4-NP	1 47/64	1	53/64

Z

677 — 3/4-16 In-line Reducing Bulkheads (cont.)

Tube ID		Part Numbers					Dimensions (Reference)		
Hex Side Branch	Thread Side Branch	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/8	3/16	3/4RBK3-5	3/4RBK3-5-SS	3/4RBK3-5-316SS	3/4RBK3-5-AL	3/4RBK3-5-NP	1 49/64	1	53/64
1/8	7/32	3/4RBK3-5 1/2	3/4RBK3-5 1/2-SS	3/4RBK3-5 1/2-316SS	3/4RBK3-5 1/2-AL	3/4RBK3-5 1/2-NP	1 49/64	1	53/64
1/8	6mm	3/4RBK3-5 3/4	3/4RBK3-5 3/4-SS	3/4RBK3-5 3/4-316SS	3/4RBK3-5 3/4-AL	3/4RBK3-5 3/4-NP	1 57/64	1	53/64
1/8	1/4	3/4RBK3-6	3/4RBK3-6-SS	3/4RBK3-6-316SS	3/4RBK3-6-AL	3/4RBK3-6-NP	1 57/64	1	53/64
1/8	5/16 / 8mm	3/4RBK3-7	3/4RBK3-7-SS	3/4RBK3-7-316SS	3/4RBK3-7-AL	3/4RBK3-7-NP	2 1/64	1	53/64
1/8	3/8	3/4RBK3-8	3/4RBK3-8-SS	3/4RBK3-8-316SS	3/4RBK3-8-AL	3/4RBK3-8-NP	1 59/64	1	53/64
1/8	1/2	3/4RBK3-10	3/4RBK3-10-SS	3/4RBK3-10-316SS	3/4RBK3-10-AL	3/4RBK3-10-NP	2.252	1	53/64
5/32 / 4mm	3/64	3/4RBK 3 1/2-.045	3/4RBK3 1/2-.045-SS	3/4RBK3 1/2-.045-316SS	3/4RBK3 1/2-.045-AL	3/4RBK3 1/2-.045-NP	1 35/64	1	53/64
5/32 / 4mm	1/16	3/4RBK 3 1/2-1	3/4RBK3 1/2-1-SS	3/4RBK3 1/2-1-316SS	3/4RBK3 1/2-1-AL	3/4RBK3 1/2-1-NP	1 39/64	1	53/64
5/32 / 4mm	5/64 / 2mm	3/4RBK 3 1/2-2	3/4RBK3 1/2-2-SS	3/4RBK3 1/2-2-316SS	3/4RBK3 1/2-2-AL	3/4RBK3 1/2-2-NP	1 39/64	1	53/64
5/32 / 4mm	3/32	3/4RBK 3 1/2-2 1/2	3/4RBK3 1/2-2 1/2-SS	3/4RBK3 1/2-2 1/2-316SS	3/4RBK3 1/2-2 1/2-AL	3/4RBK3 1/2-2 1/2-NP	1 39/64	1	53/64
5/32 / 4mm	1/8	3/4RBK 3 1/2-3	3/4RBK3 1/2-3-SS	3/4RBK3 1/2-3-316SS	3/4RBK3 1/2-3-AL	3/4RBK3 1/2-3-NP	1 45/64	1	53/64
5/32 / 4mm	.170	3/4RBK 3 1/2-4	3/4RBK3 1/2-4-SS	3/4RBK3 1/2-4-316SS	3/4RBK3 1/2-4-AL	3/4RBK3 1/2-4-NP	1 47/64	1	53/64
5/32 / 4mm	3/16	3/4RBK 3 1/2-5	3/4RBK3 1/2-5-SS	3/4RBK3 1/2-5-316SS	3/4RBK3 1/2-5-AL	3/4RBK3 1/2-5-NP	1 49/64	1	53/64
5/32 / 4mm	7/32	3/4RBK 3 1/2-5 1/2	3/4RBK3 1/2-5 1/2-SS	3/4RBK3 1/2-5 1/2-316SS	3/4RBK3 1/2-5 1/2-AL	3/4RBK3 1/2-5 1/2-NP	1 49/64	1	53/64
5/32 / 4mm	6mm	3/4RBK 3 1/2-5 3/4	3/4RBK3 1/2-5 3/4-SS	3/4RBK3 1/2-5 3/4-316SS	3/4RBK3 1/2-5 3/4-AL	3/4RBK3 1/2-5 3/4-NP	1 57/64	1	53/64
5/32 / 4mm	1/4	3/4RBK 3 1/2-6	3/4RBK3 1/2-6-SS	3/4RBK3 1/2-6-316SS	3/4RBK3 1/2-6-AL	3/4RBK3 1/2-6-NP	1 57/64	1	53/64
5/32 / 4mm	5/16 / 8mm	3/4RBK 3 1/2-7	3/4RBK3 1/2-7-SS	3/4RBK3 1/2-7-316SS	3/4RBK3 1/2-7-AL	3/4RBK3 1/2-7-NP	2 1/64	1	53/64
5/32 / 4mm	3/8	3/4RBK 3 1/2-8	3/4RBK3 1/2-8-SS	3/4RBK3 1/2-8-316SS	3/4RBK3 1/2-8-AL	3/4RBK3 1/2-8-NP	1 59/64	1	53/64
5/32 / 4mm	1/2	3/4RBK 3 1/2-10	3/4RBK3 1/2-10-SS	3/4RBK3 1/2-10-316SS	3/4RBK3 1/2-10-AL	3/4RBK3 1/2-10-NP	2.252	1	53/64
.170	3/64	3/4RBK4-.045	3/4RBK4-.045-SS	3/4RBK4-.045-316SS	3/4RBK4-.045-AL	3/4RBK4-.045-NP	1 37/64	1	53/64
.170	1/16	3/4RBK4-1	3/4RBK4-1-SS	3/4RBK4-1-316SS	3/4RBK4-1-AL	3/4RBK4-1-NP	1 41/64	1	53/64
.170	5/64 / 2mm	3/4RBK4-2	3/4RBK4-2-SS	3/4RBK4-2-316SS	3/4RBK4-2-AL	3/4RBK4-2-NP	1 41/64	1	53/64
.170	3/32	3/4RBK4-2 1/2	3/4RBK4-2 1/2-SS	3/4RBK4-2 1/2-316SS	3/4RBK4-2 1/2-AL	3/4RBK4-2 1/2-NP	1 41/64	1	53/64
.170	1/8	3/4RBK4-3	3/4RBK4-3-SS	3/4RBK4-3-316SS	3/4RBK4-3-AL	3/4RBK4-3-NP	1 47/64	1	53/64
.170	5/32 / 4mm	3/4RBK4-3 1/2	3/4RBK4-3 1/2-SS	3/4RBK4-3 1/2-316SS	3/4RBK4-3 1/2-AL	3/4RBK4-3 1/2-NP	1 47/64	1	53/64
.170	3/16	3/4RBK4-5	3/4RBK4-5-SS	3/4RBK4-5-316SS	3/4RBK4-5-AL	3/4RBK4-5-NP	1 51/64	1	53/64
.170	7/32	3/4RBK4-5 1/2	3/4RBK4-5 1/2-SS	3/4RBK4-5 1/2-316SS	3/4RBK4-5 1/2-AL	3/4RBK4-5 1/2-NP	1 51/64	1	53/64
.170	6mm	3/4RBK4-5 3/4	3/4RBK4-5 3/4-SS	3/4RBK4-5 3/4-316SS	3/4RBK4-5 3/4-AL	3/4RBK4-5 3/4-NP	1 59/64	1	53/64
.170	1/4	3/4RBK4-6	3/4RBK4-6-SS	3/4RBK4-6-316SS	3/4RBK4-6-AL	3/4RBK4-6-NP	1 59/64	1	53/64
.170	5/16 / 8mm	3/4RBK4-7	3/4RBK4-7-SS	3/4RBK4-7-316SS	3/4RBK4-7-AL	3/4RBK4-7-NP	2 3/64	1	53/64
.170	3/8	3/4RBK4-8	3/4RBK4-8-SS	3/4RBK4-8-316SS	3/4RBK4-8-AL	3/4RBK4-8-NP	1 61/64	1	53/64
.170	1/2	3/4RBK4-10	3/4RBK4-10-SS	3/4RBK4-10-316SS	3/4RBK4-10-AL	3/4RBK4-10-NP	2.283	1	53/64
3/16	3/64	3/4RBK5-.045	3/4RBK5-.045-SS	3/4RBK5-.045-316SS	3/4RBK5-.045-AL	3/4RBK5-.045-NP	1 39/64	1	53/64
3/16	1/16	3/4RBK5-1	3/4RBK5-1-SS	3/4RBK5-1-316SS	3/4RBK5-1-AL	3/4RBK5-1-NP	1 43/64	1	53/64
3/16	5/64 / 2mm	3/4RBK5-2	3/4RBK5-2-SS	3/4RBK5-2-316SS	3/4RBK5-2-AL	3/4RBK5-2-NP	1 43/64	1	53/64

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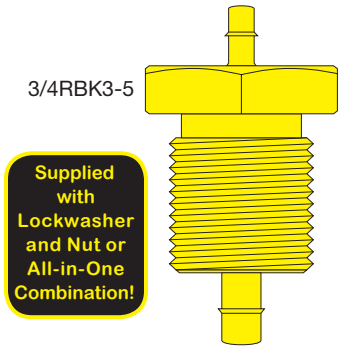

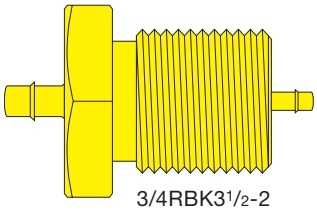
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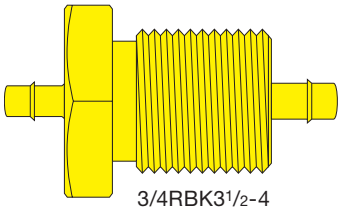
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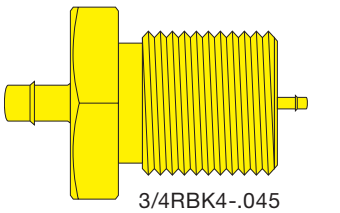
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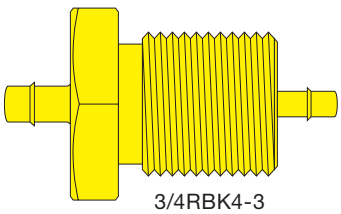
3/4RBK4-3

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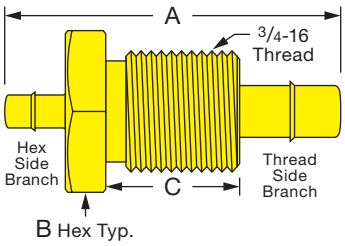
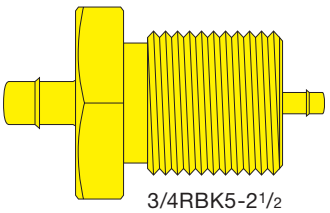
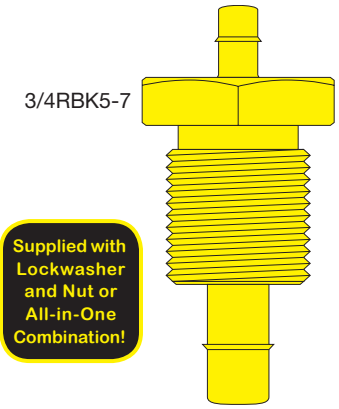
3/4-16 In-line Reducing Bulkheads (cont.) 678



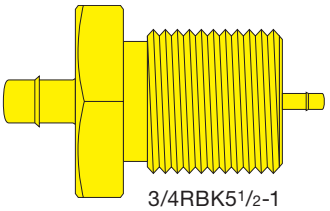


3/4RBK5-2 1/2

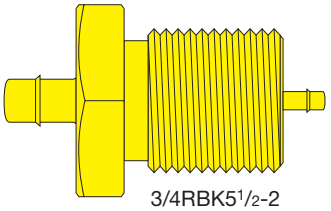


3/4RBK5-7

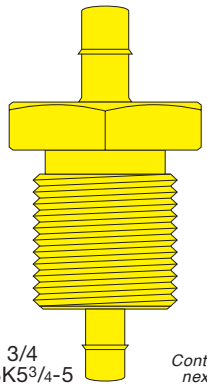
Supplied with Lockwasher and Nut or All-in-One Combination!



3/4RBK5 1/2-1



3/4RBK5 1/2-2



3/4 RBK5 3/4-5

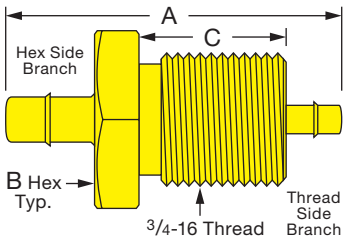
Continued on next page.

Tube ID		Part Numbers					Dimensions (Reference)		
Hex Side Branch	Thread Side Branch	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
3/16	3/32	3/4RBK5-2 1/2	3/4RBK5-2 1/2-SS	3/4RBK5-2 1/2-316SS	3/4RBK5-2 1/2-AL	3/4RBK5-2 1/2-NP	1 43/64	1	53/64
3/16	1/8	3/4RBK5-3	3/4RBK5-3-SS	3/4RBK5-3-316SS	3/4RBK5-3-AL	3/4RBK5-3-NP	1 49/64	1	53/64
3/16	5/32 / 4mm	3/4RBK5-3 1/2	3/4RBK5-3 1/2-SS	3/4RBK5-3 1/2-316SS	3/4RBK5-3 1/2-AL	3/4RBK5-3 1/2-NP	1 49/64	1	53/64
3/16	.170	3/4RBK5-4	3/4RBK5-4-SS	3/4RBK5-4-316SS	3/4RBK5-4-AL	3/4RBK5-4-NP	1 51/64	1	53/64
3/16	7/32	3/4RBK5-5 1/2	3/4RBK5-5 1/2-SS	3/4RBK5-5 1/2-316SS	3/4RBK5-5 1/2-AL	3/4RBK5-5 1/2-NP	1 53/64	1	53/64
3/16	6mm	3/4RBK5-5 3/4	3/4RBK5-5 3/4-SS	3/4RBK5-5 3/4-316SS	3/4RBK5-5 3/4-AL	3/4RBK5-5 3/4-NP	1 61/64	1	53/64
3/16	1/4	3/4RBK5-6	3/4RBK5-6-SS	3/4RBK5-6-316SS	3/4RBK5-6-AL	3/4RBK5-6-NP	1 61/64	1	53/64
3/16	5/16 / 8mm	3/4RBK5-7	3/4RBK5-7-SS	3/4RBK5-7-316SS	3/4RBK5-7-AL	3/4RBK5-7-NP	2 5/64	1	53/64
3/16	3/8	3/4RBK5-8	3/4RBK5-8-SS	3/4RBK5-8-316SS	3/4RBK5-8-AL	3/4RBK5-8-NP	1 63/64	1	53/64
3/16	1/2	3/4RBK5-10	3/4RBK5-10-SS	3/4RBK5-10-316SS	3/4RBK5-10-AL	3/4RBK5-10-NP	2.315	1	53/64
7/32	3/64	3/4RBK 5 1/2-.045	3/4RBK5 1/2-.045-SS	3/4RBK5 1/2-.045-316SS	3/4RBK5 1/2-.045-AL	3/4RBK5 1/2-.045-NP	1 39/64	1	53/64
7/32	1/16	3/4RBK 5 1/2-1	3/4RBK5 1/2-1-SS	3/4RBK5 1/2-1-316SS	3/4RBK5 1/2-1-AL	3/4RBK5 1/2-1-NP	1 43/64	1	53/64
7/32	5/64 / 2mm	3/4RBK 5 1/2-2	3/4RBK5 1/2-2-SS	3/4RBK5 1/2-2-316SS	3/4RBK5 1/2-2-AL	3/4RBK5 1/2-2-NP	1 43/64	1	53/64
7/32	3/32	3/4RBK 5 1/2-2 1/2	3/4RBK5 1/2-2 1/2-SS	3/4RBK5 1/2-2 1/2-316SS	3/4RBK5 1/2-2 1/2-AL	3/4RBK5 1/2-2 1/2-NP	1 43/64	1	53/64
7/32	1/8	3/4RBK 5 1/2-3	3/4RBK5 1/2-3-SS	3/4RBK5 1/2-3-316SS	3/4RBK5 1/2-3-AL	3/4RBK5 1/2-3-NP	1 49/64	1	53/64
7/32	5/32 / 4mm	3/4RBK 5 1/2-3 1/2	3/4RBK5 1/2-3 1/2-SS	3/4RBK5 1/2-3 1/2-316SS	3/4RBK5 1/2-3 1/2-AL	3/4RBK5 1/2-3 1/2-NP	1 49/64	1	53/64
7/32	.170	3/4RBK 5 1/2-4	3/4RBK5 1/2-4-SS	3/4RBK5 1/2-4-316SS	3/4RBK5 1/2-4-AL	3/4RBK5 1/2-4-NP	1 51/64	1	53/64
7/32	3/16	3/4RBK 5 1/2-5	3/4RBK5 1/2-5-SS	3/4RBK5 1/2-5-316SS	3/4RBK5 1/2-5-AL	3/4RBK5 1/2-5-NP	1 53/64	1	53/64
7/32	6mm	3/4RBK 5 1/2-5 3/4	3/4RBK5 1/2-5 3/4-SS	3/4RBK5 1/2-5 3/4-316SS	3/4RBK5 1/2-5 3/4-AL	3/4RBK5 1/2-5 3/4-NP	1 61/64	1	53/64
7/32	1/4	3/4RBK 5 1/2-6	3/4RBK5 1/2-6-SS	3/4RBK5 1/2-6-316SS	3/4RBK5 1/2-6-AL	3/4RBK5 1/2-6-NP	1 61/64	1	53/64
7/32	5/16 / 8mm	3/4RBK 5 1/2-7	3/4RBK5 1/2-7-SS	3/4RBK5 1/2-7-316SS	3/4RBK5 1/2-7-AL	3/4RBK5 1/2-7-NP	2 5/64	1	53/64
7/32	3/8	3/4RBK 5 1/2-8	3/4RBK5 1/2-8-SS	3/4RBK5 1/2-8-316SS	3/4RBK5 1/2-8-AL	3/4RBK5 1/2-8-NP	1 63/64	1	53/64
7/32	1/2	3/4RBK 5 1/2-10	3/4RBK5 1/2-10-SS	3/4RBK5 1/2-10-316SS	3/4RBK5 1/2-10-AL	3/4RBK5 1/2-10-NP	2.315	1	53/64
6mm	3/64	3/4RBK 5 3/4-.045	3/4RBK5 3/4-.045-SS	3/4RBK5 3/4-.045-316SS	3/4RBK5 3/4-.045-AL	3/4RBK5 3/4-.045-NP	1 47/64	1	53/64
6mm	1/16	3/4RBK 5 3/4-1	3/4RBK5 3/4-1-SS	3/4RBK5 3/4-1-316SS	3/4RBK5 3/4-1-AL	3/4RBK5 3/4-1-NP	1 51/64	1	53/64
6mm	5/64 / 2mm	3/4RBK 5 3/4-2	3/4RBK5 3/4-2-SS	3/4RBK5 3/4-2-316SS	3/4RBK5 3/4-2-AL	3/4RBK5 3/4-2-NP	1 51/64	1	53/64
6mm	3/32	3/4RBK 5 3/4-2 1/2	3/4RBK5 3/4-2 1/2-SS	3/4RBK5 3/4-2 1/2-316SS	3/4RBK5 3/4-2 1/2-AL	3/4RBK5 3/4-2 1/2-NP	1 51/64	1	53/64
6mm	1/8	3/4RBK 5 3/4-3	3/4RBK5 3/4-3-SS	3/4RBK5 3/4-3-316SS	3/4RBK5 3/4-3-AL	3/4RBK5 3/4-3-NP	1 57/64	1	53/64
6mm	5/32 / 4mm	3/4RBK 5 3/4-3 1/2	3/4RBK5 3/4-3 1/2-SS	3/4RBK5 3/4-3 1/2-316SS	3/4RBK5 3/4-3 1/2-AL	3/4RBK5 3/4-3 1/2-NP	1 57/64	1	53/64
6mm	.170	3/4RBK 5 3/4-4	3/4RBK5 3/4-4-SS	3/4RBK5 3/4-4-316SS	3/4RBK5 3/4-4-AL	3/4RBK5 3/4-4-NP	1 59/64	1	53/64
6mm	3/16	3/4RBK 5 3/4-5	3/4RBK5 3/4-5-SS	3/4RBK5 3/4-5-316SS	3/4RBK5 3/4-5-AL	3/4RBK5 3/4-5-NP	1 61/64	1	53/64
6mm	7/32	3/4RBK 5 3/4-5 1/2	3/4RBK5 3/4-5 1/2-SS	3/4RBK5 3/4-5 1/2-316SS	3/4RBK5 3/4-5 1/2-AL	3/4RBK5 3/4-5 1/2-NP	1 61/64	1	53/64
6mm	1/4	3/4RBK 5 3/4-6	3/4RBK5 3/4-6-SS	3/4RBK5 3/4-6-316SS	3/4RBK5 3/4-6-AL	3/4RBK5 3/4-6-NP	2 5/64	1	53/64
6mm	5/16 / 8mm	3/4RBK 5 3/4-7	3/4RBK5 3/4-7-SS	3/4RBK5 3/4-7-316SS	3/4RBK5 3/4-7-AL	3/4RBK5 3/4-7-NP	2 13/64	1	53/64
6mm	3/8	3/4RBK 5 3/4-8	3/4RBK5 3/4-8-SS	3/4RBK5 3/4-8-316SS	3/4RBK5 3/4-8-AL	3/4RBK5 3/4-8-NP	2 7/64	1	53/64
6mm	1/2	3/4RBK 5 3/4-10	3/4RBK5 3/4-10-SS	3/4RBK5 3/4-10-316SS	3/4RBK5 3/4-10-AL	3/4RBK5 3/4-10-NP	2.440	1	53/64

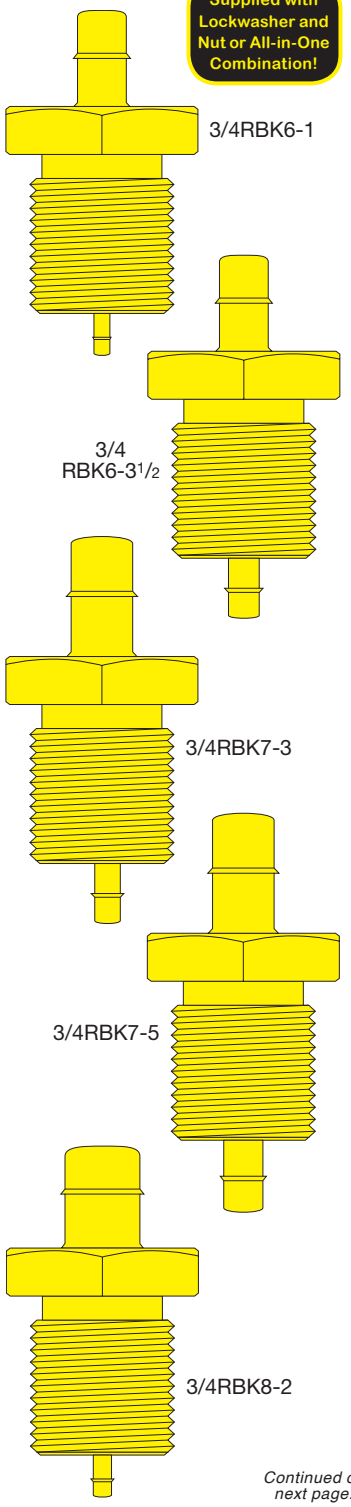
Z

679 — 3/4-16 In-line Reducing Bulkheads (cont.)

Tube ID		Part Numbers					Dimensions (Reference)		
Hex Side Branch	Thread Side Branch	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/4	3/64	3/4RBK6-.045	3/4RBK6-.045-SS	3/4RBK6-.045-316SS	3/4RBK6-.045-AL	3/4RBK6-.045-NP	1 47/64	1	53/64
1/4	1/16	3/4RBK6-1	3/4RBK6-1-SS	3/4RBK6-1-316SS	3/4RBK6-1-AL	3/4RBK6-1-NP	1 51/64	1	53/64
1/4	5/64 / 2mm	3/4RBK6-2	3/4RBK6-2-SS	3/4RBK6-2-316SS	3/4RBK6-2-AL	3/4RBK6-2-NP	1 51/64	1	53/64
1/4	3/32	3/4RBK6-2 1/2	3/4RBK6-2 1/2-SS	3/4RBK6-2 1/2-316SS	3/4RBK6-2 1/2-AL	3/4RBK6-2 1/2-NP	1 51/64	1	53/64
1/4	1/8	3/4RBK6-3	3/4RBK6-3-SS	3/4RBK6-3-316SS	3/4RBK6-3-AL	3/4RBK6-3-NP	1 57/64	1	53/64
1/4	5/32 / 4mm	3/4RBK6-3 1/2	3/4RBK6-3 1/2-SS	3/4RBK6-3 1/2-316SS	3/4RBK6-3 1/2-AL	3/4RBK6-3 1/2-NP	1 57/64	1	53/64
1/4	.170	3/4RBK6-4	3/4RBK6-4-SS	3/4RBK6-4-316SS	3/4RBK6-4-AL	3/4RBK6-4-NP	1 59/64	1	53/64
1/4	3/16	3/4RBK6-5	3/4RBK6-5-SS	3/4RBK6-5-316SS	3/4RBK6-5-AL	3/4RBK6-5-NP	1 61/64	1	53/64
1/4	7/32	3/4RBK6-5 1/2	3/4RBK6-5 1/2-SS	3/4RBK6-5 1/2-316SS	3/4RBK6-5 1/2-AL	3/4RBK6-5 1/2-NP	1 61/64	1	53/64
1/4	6mm	3/4RBK6-5 3/4	3/4RBK6-5 3/4-SS	3/4RBK6-5 3/4-316SS	3/4RBK6-5 3/4-AL	3/4RBK6-5 3/4-NP	2 5/64	1	53/64
1/4	5/16 / 8mm	3/4RBK6-7	3/4RBK6-7-SS	3/4RBK6-7-316SS	3/4RBK6-7-AL	3/4RBK6-7-NP	2 13/64	1	53/64
1/4	3/8	3/4RBK6-8	3/4RBK6-8-SS	3/4RBK6-8-316SS	3/4RBK6-8-AL	3/4RBK6-8-NP	2 7/64	1	53/64
1/4	1/2	3/4RBK6-10	3/4RBK6-10-SS	3/4RBK6-10-316SS	3/4RBK6-10-AL	3/4RBK6-10-NP	2.440	1	53/64
5/16 / 8mm	3/64	3/4RBK7-.045	3/4RBK7-.045-SS	3/4RBK7-.045-316SS	3/4RBK7-.045-AL	3/4RBK7-.045-NP	1 55/64	1	53/64
5/16 / 8mm	1/16	3/4RBK7-1	3/4RBK7-1-SS	3/4RBK7-1-316SS	3/4RBK7-1-AL	3/4RBK7-1-NP	1 59/64	1	53/64
5/16 / 8mm	5/64 / 2mm	3/4RBK7-2	3/4RBK7-2-SS	3/4RBK7-2-316SS	3/4RBK7-2-AL	3/4RBK7-2-NP	1 59/64	1	53/64
5/16 / 8mm	3/32	3/4RBK7-2 1/2	3/4RBK7-2 1/2-SS	3/4RBK7-2 1/2-316SS	3/4RBK7-2 1/2-AL	3/4RBK7-2 1/2-NP	1 59/64	1	53/64
5/16 / 8mm	1/8	3/4RBK7-3	3/4RBK7-3-SS	3/4RBK7-3-316SS	3/4RBK7-3-AL	3/4RBK7-3-NP	2 1/64	1	53/64
5/16 / 8mm	5/32 / 4mm	3/4RBK7-3 1/2	3/4RBK7-3 1/2-SS	3/4RBK7-3 1/2-316SS	3/4RBK7-3 1/2-AL	3/4RBK7-3 1/2-NP	2 1/64	1	53/64
5/16 / 8mm	.170	3/4RBK7-4	3/4RBK7-4-SS	3/4RBK7-4-316SS	3/4RBK7-4-AL	3/4RBK7-4-NP	2 3/64	1	53/64
5/16 / 8mm	3/16	3/4RBK7-5	3/4RBK7-5-SS	3/4RBK7-5-316SS	3/4RBK7-5-AL	3/4RBK7-5-NP	2 5/64	1	53/64
5/16 / 8mm	7/32	3/4RBK7-5 1/2	3/4RBK7-5 1/2-SS	3/4RBK7-5 1/2-316SS	3/4RBK7-5 1/2-AL	3/4RBK7-5 1/2-NP	2 5/64	1	53/64
5/16 / 8mm	6mm	3/4RBK7-5 3/4	3/4RBK7-5 3/4-SS	3/4RBK7-5 3/4-316SS	3/4RBK7-5 3/4-AL	3/4RBK7-5 3/4-NP	2 13/64	1	53/64
5/16 / 8mm	1/4	3/4RBK7-6	3/4RBK7-6-SS	3/4RBK7-6-316SS	3/4RBK7-6-AL	3/4RBK7-6-NP	2 13/64	1	53/64
5/16 / 8mm	3/8	3/4RBK7-8	3/4RBK7-8-SS	3/4RBK7-8-316SS	3/4RBK7-8-AL	3/4RBK7-8-NP	2 15/64	1	53/64
5/16 / 8mm	1/2	3/4RBK7-10	3/4RBK7-10-SS	3/4RBK7-10-316SS	3/4RBK7-10-AL	3/4RBK7-10-NP	2.565	1	53/64
3/8	3/64	3/4RBK8-.045	3/4RBK8-.045-SS	3/4RBK8-.045-316SS	3/4RBK8-.045-AL	3/4RBK8-.045-NP	1 49/64	1	53/64
3/8	1/16	3/4RBK8-1	3/4RBK8-1-SS	3/4RBK8-1-316SS	3/4RBK8-1-AL	3/4RBK8-1-NP	1 53/64	1	53/64
3/8	5/64 / 2mm	3/4RBK8-2	3/4RBK8-2-SS	3/4RBK8-2-316SS	3/4RBK8-2-AL	3/4RBK8-2-NP	1 53/64	1	53/64
3/8	3/32	3/4RBK8-2 1/2	3/4RBK8-2 1/2-SS	3/4RBK8-2 1/2-316SS	3/4RBK8-2 1/2-AL	3/4RBK8-2 1/2-NP	1 53/64	1	53/64
3/8	1/8	3/4RBK8-3	3/4RBK8-3-SS	3/4RBK8-3-316SS	3/4RBK8-3-AL	3/4RBK8-3-NP	1 59/64	1	53/64
3/8	5/32 / 4mm	3/4RBK8-3 1/2	3/4RBK8-3 1/2-SS	3/4RBK8-3 1/2-316SS	3/4RBK8-3 1/2-AL	3/4RBK8-3 1/2-NP	1 59/64	1	53/64
3/8	.170	3/4RBK8-4	3/4RBK8-4-SS	3/4RBK8-4-316SS	3/4RBK8-4-AL	3/4RBK8-4-NP	1 61/64	1	53/64
3/8	3/16	3/4RBK8-5	3/4RBK8-5-SS	3/4RBK8-5-316SS	3/4RBK8-5-AL	3/4RBK8-5-NP	1 63/64	1	53/64
3/8	7/32	3/4RBK8-5 1/2	3/4RBK8-5 1/2-SS	3/4RBK8-5 1/2-316SS	3/4RBK8-5 1/2-AL	3/4RBK8-5 1/2-NP	1 63/64	1	53/64
3/8	6mm	3/4RBK8-5 3/4	3/4RBK8-5 3/4-SS	3/4RBK8-5 3/4-316SS	3/4RBK8-5 3/4-AL	3/4RBK8-5 3/4-NP	2 7/64	1	53/64



Supplied with Lockwasher and Nut or All-in-One Combination!



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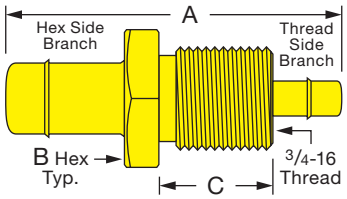
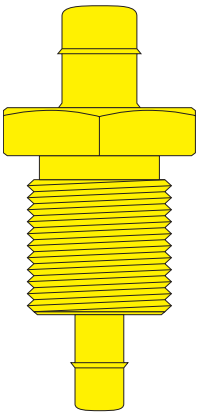
3/4-16 In-line Reducing Bulkheads (cont.) 680



Tube ID		Part Numbers					Dimensions (Reference)		
Hex Side Branch	Thread Side Branch	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
3/8	1/4	3/4RBK8-6	3/4RBK8-6-SS	3/4RBK8-6-316SS	3/4RBK8-6-AL	3/4RBK8-6-NP	2 7/64	1	53/64
3/8	5/16 / 8mm	3/4RBK8-7	3/4RBK8-7-SS	3/4RBK8-7-316SS	3/4RBK8-7-AL	3/4RBK8-7-NP	2 15/64	1	53/64
3/8	1/2	3/4RBK8-10	3/4RBK8-10-SS	3/4RBK8-10-316SS	3/4RBK8-10-AL	3/4RBK8-10-NP	2.471	1	53/64
1/2	3/64	3/4RBK10-.045	3/4RBK10-.045-SS	3/4RBK10-.045-316SS	3/4RBK10-.045-AL	3/4RBK10-.045-NP	2.096	1	53/64
1/2	1/16	3/4RBK10-1	3/4RBK10-1-SS	3/4RBK10-1-316SS	3/4RBK10-1-AL	3/4RBK10-1-NP	2.159	1	53/64
1/2	5/64 / 2mm	3/4RBK10-2	3/4RBK10-2-SS	3/4RBK10-2-316SS	3/4RBK10-2-AL	3/4RBK10-2-NP	2.159	1	53/64
1/2	3/32	3/4RBK10-2 1/2	3/4RBK10-2 1/2-SS	3/4RBK10-2 1/2-316SS	3/4RBK10-2 1/2-AL	3/4RBK10-2 1/2-NP	2.159	1	53/64
1/2	1/8	3/4RBK10-3	3/4RBK10-3-SS	3/4RBK10-3-316SS	3/4RBK10-3-AL	3/4RBK10-3-NP	2.252	1	53/64
1/2	5/32 / 4mm	3/4RBK10-3 1/2	3/4RBK10-3 1/2-SS	3/4RBK10-3 1/2-316SS	3/4RBK10-3 1/2-AL	3/4RBK10-3 1/2-NP	2.252	1	53/64
1/2	.170	3/4RBK10-4	3/4RBK10-4-SS	3/4RBK10-4-316SS	3/4RBK10-4-AL	3/4RBK10-4-NP	2.283	1	53/64
1/2	3/16	3/4RBK10-5	3/4RBK10-5-SS	3/4RBK10-5-316SS	3/4RBK10-5-AL	3/4RBK10-5-NP	2.315	1	53/64
1/2	7/32	3/4RBK10-5 1/2	3/4RBK10-5 1/2-SS	3/4RBK10-5 1/2-316SS	3/4RBK10-5 1/2-AL	3/4RBK10-5 1/2-NP	2.315	1	53/64
1/2	6mm	3/4RBK10-5 3/4	3/4RBK10-5 3/4-SS	3/4RBK10-5 3/4-316SS	3/4RBK10-5 3/4-AL	3/4RBK10-5 3/4-NP	2.440	1	53/64
1/2	1/4	3/4RBK10-6	3/4RBK10-6-SS	3/4RBK10-6-316SS	3/4RBK10-6-AL	3/4RBK10-6-NP	2.440	1	53/64
1/2	5/16 / 8mm	3/4RBK10-7	3/4RBK10-7-SS	3/4RBK10-7-316SS	3/4RBK10-7-AL	3/4RBK10-7-NP	2.565	1	53/64
1/2	3/8	3/4RBK10-8	3/4RBK10-8-SS	3/4RBK10-8-316SS	3/4RBK10-8-AL	3/4RBK10-8-NP	2.471	1	53/64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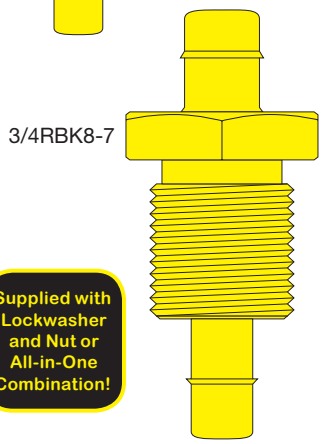
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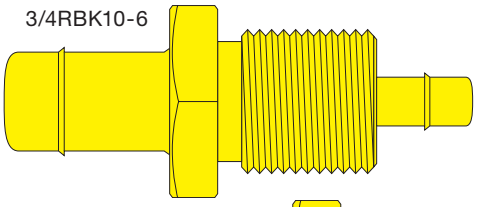
Supplied with Lockwasher and Nut or All-in-One Combination!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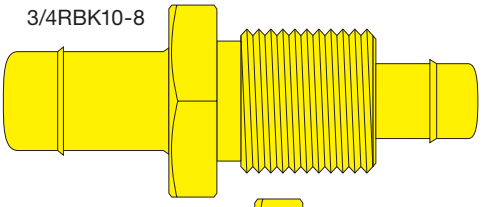
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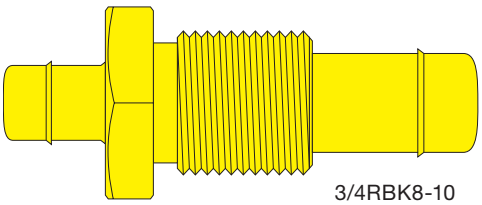
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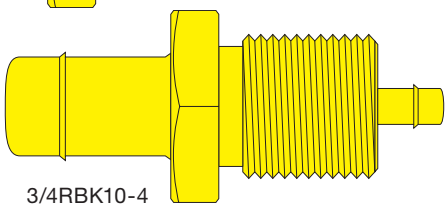
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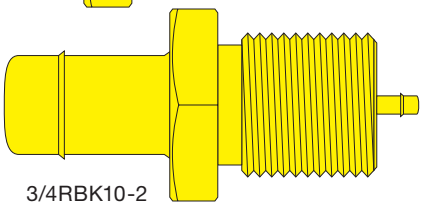
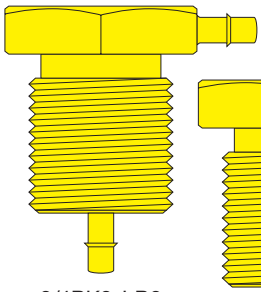

3/4RBK10-2

3/4-16 Elbow, Tee, & V-Tee Bulkheads & Reducing Bulkheads also available! Consult factory for details!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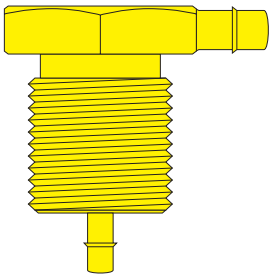
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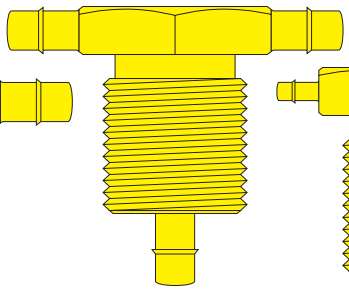
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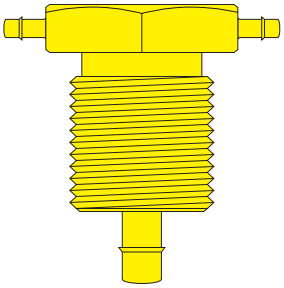
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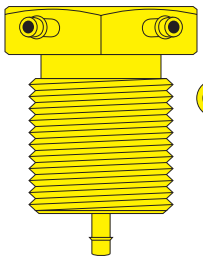
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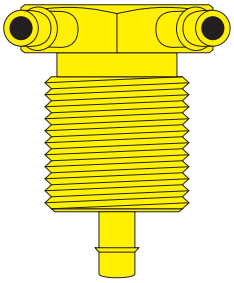
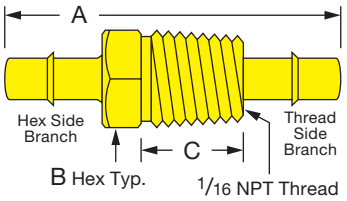

3/4RBK4-VT5

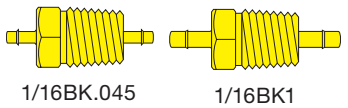
Sample listing; many options available!

681 — 1/16 NPT In-line Bulkheads & Reducing Bulkheads

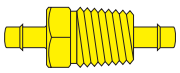
Tube ID		Part Numbers					Dimensions (Reference)		
Hex Side Branch	Thread Side Branch	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
3/64	3/64	1/16BK.045	1/16BK.045-SS	1/16BK.045-316SS	1/16BK.045-AL	1/16BK.045-NP	47/64	5/16	1/3
1/16	1/16	1/16BK1	1/16BK1-SS	1/16BK1-316SS	1/16BK1-AL	1/16BK1-NP	29/32	5/16	1/3
5/64 / 2mm	5/64 / 2mm	1/16BK2	1/16BK2-SS	1/16BK2-316SS	1/16BK2-AL	1/16BK2-NP	29/32	5/16	1/3
3/32	3/32	1/16BK2 1/2	1/16BK2 1/2-SS	1/16BK2 1/2-316SS	1/16BK2 1/2-AL	1/16BK2 1/2-NP	29/32	5/16	1/3
1/8	1/8	1/16BK3	1/16BK3-SS	1/16BK3-316SS	1/16BK3-AL	1/16BK3-NP	1 5/64	5/16	1/3
5/32 / 4mm	5/32 / 4mm	1/16BK3 1/2	1/16BK3 1/2-SS	1/16BK3 1/2-316SS	1/16BK3 1/2-AL	1/16BK3 1/2-NP	1 5/64	5/16	1/3
3/64	1/16	1/16RBK .045-1	1/16RBK.045-1-SS	1/16RBK.045-1-316SS	1/16RBK.045-1-AL	1/16RBK.045-1-NP	1 45/64	5/16	1/3
3/64	5/64 / 2mm	1/16RBK .045-2	1/16RBK.045-2-SS	1/16RBK.045-2-316SS	1/16RBK.045-2-AL	1/16RBK.045-2-NP	1 45/64	5/16	1/3
3/64	3/32	1/16RBK .045-2 1/2	1/16RBK.045-2 1/2-SS	1/16RBK.045-2 1/2-316SS	1/16RBK.045-2 1/2-AL	1/16RBK.045-2 1/2-NP	1 45/64	5/16	1/3
3/64	1/8	1/16RBK .045-3	1/16RBK.045-3-SS	1/16RBK.045-3-316SS	1/16RBK.045-3-AL	1/16RBK.045-3-NP	59/64	5/16	1/3
3/64	5/32 / 4mm	1/16RBK .045-3 1/2	1/16RBK.045-3 1/2-SS	1/16RBK.045-3 1/2-316SS	1/16RBK.045-3 1/2-AL	1/16RBK.045-3 1/2-NP	59/64	5/16	1/3
1/16	3/64	1/16RBK1-.045	1/16RBK1-.045-SS	1/16RBK1-.045-316SS	1/16RBK1-.045-AL	1/16RBK1-.045-NP	1 45/64	5/16	1/3
1/16	5/64 / 2mm	1/16RBK1-2	1/16RBK1-2-SS	1/16RBK1-2-316SS	1/16RBK1-2-AL	1/16RBK1-2-NP	29/32	5/16	1/3
1/16	3/32	1/16RBK1-2 1/2	1/16RBK1-2 1/2-SS	1/16RBK1-2 1/2-316SS	1/16RBK1-2 1/2-AL	1/16RBK1-2 1/2-NP	29/32	5/16	1/3
1/16	1/8	1/16RBK1-3	1/16RBK1-3-SS	1/16RBK1-3-316SS	1/16RBK1-3-AL	1/16RBK1-3-NP	63/64	5/16	1/3
1/16	5/32 / 4mm	1/16RBK1-3 1/2	1/16RBK1-3 1/2-SS	1/16RBK1-3 1/2-316SS	1/16RBK1-3 1/2-AL	1/16RBK1-3 1/2-NP	63/64	5/16	1/3
5/64 / 2mm	3/64	1/16RBK2-.045	1/16RBK2-.045-SS	1/16RBK2-.045-316SS	1/16RBK2-.045-AL	1/16RBK2-.045-NP	1 45/64	5/16	1/3
5/64 / 2mm	1/16	1/16RBK2-1	1/16RBK2-1-SS	1/16RBK2-1-316SS	1/16RBK2-1-AL	1/16RBK2-1-NP	29/32	5/16	1/3
5/64 / 2mm	3/32	1/16RBK 2-2 1/2	1/16RBK2-2 1/2-SS	1/16RBK2-2 1/2-316SS	1/16RBK2-2 1/2-AL	1/16RBK2-2 1/2-NP	29/32	5/16	1/3
5/64 / 2mm	1/8	1/16RBK2-3	1/16RBK2-3-SS	1/16RBK2-3-316SS	1/16RBK2-3-AL	1/16RBK2-3-NP	63/64	5/16	1/3
5/64 / 2mm	5/32 / 4mm	1/16RBK2-3 1/2	1/16RBK2-3 1/2-SS	1/16RBK2-3 1/2-316SS	1/16RBK2-3 1/2-AL	1/16RBK2-3 1/2-NP	63/64	5/16	1/3
3/32	3/64	1/16RBK 2 1/2-.045	1/16RBK2 1/2-.045-SS	1/16RBK2 1/2-.045-316SS	1/16RBK2 1/2-.045-AL	1/16RBK2 1/2-.045-NP	1 45/64	5/16	1/3
3/32	1/16	1/16RBK 2 1/2-1	1/16RBK2 1/2-1-SS	1/16RBK2 1/2-1-316SS	1/16RBK2 1/2-1-AL	1/16RBK2 1/2-1-NP	29/32	5/16	1/3
3/32	5/64 / 2mm	1/16RBK 2 1/2-2	1/16RBK2 1/2-2-SS	1/16RBK2 1/2-2-316SS	1/16RBK2 1/2-2-AL	1/16RBK2 1/2-2-NP	29/32	5/16	1/3
3/32	1/8	1/16RBK 2 1/2-3	1/16RBK2 1/2 -3-SS	1/16RBK2 1/2-3-316SS	1/16RBK2 1/2-3-AL	1/16RBK2 1/2-3-NP	63/64	5/16	1/3
3/32	5/32 / 4mm	1/16RBK 2 1/2-3 1/2	1/16RBK2 1/2-3 1/2-SS	1/16RBK2 1/2-3 1/2-316SS	1/16RBK2 1/2-3 1/2-AL	1/16RBK2 1/2-3 1/2-NP	63/64	5/16	1/3
1/8	3/64	1/16RBK3-.045	1/16RBK3-.045-SS	1/16RBK3-.045-316SS	1/16RBK3-.045-AL	1/16RBK3-.045-NP	59/64	5/16	1/3
1/8	1/16	1/16RBK3-1	1/16RBK3-1-SS	1/16RBK3-1-316SS	1/16RBK3-1-AL	1/16RBK3-1-NP	63/64	5/16	1/3
1/8	5/64 / 2mm	1/16RBK3-2	1/16RBK3-2-SS	1/16RBK3-2-316SS	1/16RBK3-2-AL	1/16RBK3-2-NP	63/64	5/16	1/3
1/8	3/32	1/16RBK3-2 1/2	1/16RBK3-2 1/2-SS	1/16RBK3-2 1/2-316SS	1/16RBK3-2 1/2-AL	1/16RBK3-2 1/2-NP	63/64	5/16	1/3
1/8	5/32 / 4mm	1/16RBK3-3 1/2	1/16RBK3-3 1/2-SS	1/16RBK3-3 1/2-316SS	1/16RBK3-3 1/2-AL	1/16RBK3-3 1/2-NP	1 5/64	5/16	1/3
5/32 / 4mm	3/64	1/16RBK 3 1/2-.045	1/16RBK3 1/2-.045-SS	1/16RBK3 1/2-.045-316SS	1/16RBK3 1/2-.045-AL	1/16RBK3 1/2-.045-NP	59/64	5/16	1/3
5/32 / 4mm	1/16	1/16RBK 3 1/2-1	1/16RBK3 1/2-1-SS	1/16RBK3 1/2-1-316SS	1/16RBK3 1/2-1-AL	1/16RBK3 1/2-1-NP	63/64	5/16	1/3
5/32 / 4mm	5/64 / 2mm	1/16RBK 3 1/2-2	1/16RBK3 1/2-2-SS	1/16RBK3 1/2-2-316SS	1/16RBK3 1/2-2-AL	1/16RBK3 1/2-2-NP	63/64	5/16	1/3
5/32 / 4mm	3/32	1/16RBK 3 1/2-2 1/2	1/16RBK3 1/2-2 1/2-SS	1/16RBK3 1/2-2 1/2-316SS	1/16RBK3 1/2-2 1/2-AL	1/16RBK3 1/2-2 1/2-NP	63/64	5/16	1/3
5/32 / 4mm	1/8	1/16RBK 3 1/2-3	1/16RBK3 1/2-3-SS	1/16RBK3 1/2-3-316SS	1/16RBK3 1/2-3-AL	1/16RBK3 1/2-3-NP	1 5/64	5/16	1/3



Supplied with Lockwasher & Nut or All-in-One Combination!


1/16BK.045 1/16BK1


1/16BK2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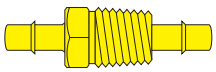
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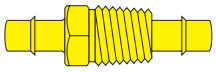
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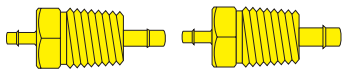
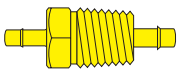

1/16RBK.045-1 1/16RBK.045-2


1/16 RBK1-.045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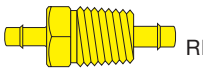
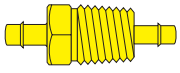
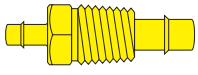
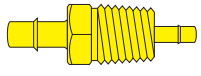
1/16RBK1-3


1/16 RBK2-2 1/2


1/16 RBK2-3


1/16 RBK2 1/2-2


1/16RBK 2 1/2-3 1/2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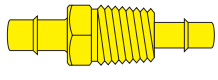
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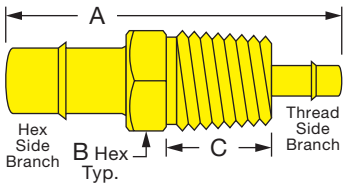
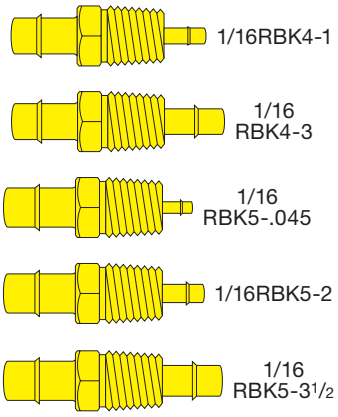
1/16 NPT In-line Reducing Bulkheads (cont.) 682



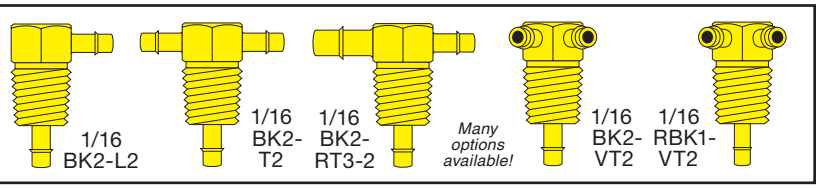
Supplied with Lockwasher & Nut or All-in-One Combination!



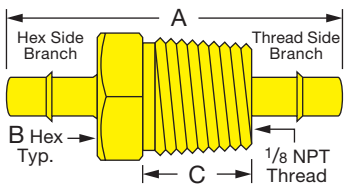
The drawings in this section have been rotated 180° vs. previous catalog to more accurately represent the part numbers.

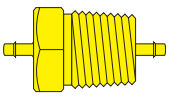
Tube ID		Part Numbers					Dimensions (Reference)		
Hex Side Branch	Thread Side Branch	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
.170	3/64	1/16RBK4-.045	1/16RBK4-.045-SS	1/16RBK4-.045-316SS	1/16RBK4-.045-AL	1/16RBK4-.045-NP	61/64	5/16	1/3
.170	1/16	1/16RBK4-1	1/16RBK4-1-SS	1/16RBK4-1-316SS	1/16RBK4-1-AL	1/16RBK4-1-NP	1 1/64	5/16	1/3
.170	5/64 / 2mm	1/16RBK4-2	1/16RBK4-2-SS	1/16RBK4-2-316SS	1/16RBK4-2-AL	1/16RBK4-2-NP	1 1/64	5/16	1/3
.170	3/32	1/16RBK4-2 1/2	1/16RBK4-2 1/2-SS	1/16RBK4-2 1/2-316SS	1/16RBK4-2 1/2-AL	1/16RBK4-2 1/2-NP	1 1/64	5/16	1/3
.170	1/8	1/16RBK4-3	1/16RBK4-3-SS	1/16RBK4-3-316SS	1/16RBK4-3-AL	1/16RBK4-3-NP	1 7/64	5/16	1/3
.170	5/32 / 4mm	1/16RBK4-3 1/2	1/16RBK4-3 1/2-SS	1/16RBK4-3 1/2-316SS	1/16RBK4-3 1/2-AL	1/16RBK4-3 1/2-NP	1 7/64	5/16	1/3
3/16	3/64	1/16RBK5-.045	1/16RBK5-.045-SS	1/16RBK5-.045-316SS	1/16RBK5-.045-AL	1/16RBK5-.045-NP	63/64	5/16	1/3
3/16	1/16	1/16RBK5-1	1/16RBK5-1-SS	1/16RBK5-1-316SS	1/16RBK5-1-AL	1/16RBK5-1-NP	1 3/64	5/16	1/3
3/16	5/64 / 2mm	1/16RBK5-2	1/16RBK5-2-SS	1/16RBK5-2-316SS	1/16RBK5-2-AL	1/16RBK5-2-NP	1 3/64	5/16	1/3
3/16	3/32	1/16RBK5-2 1/2	1/16RBK5-2 1/2-SS	1/16RBK5-2 1/2-316SS	1/16RBK5-2 1/2-AL	1/16RBK5-2 1/2-NP	1 3/64	5/16	1/3
3/16	1/8	1/16RBK5-3	1/16RBK5-3-SS	1/16RBK5-3-316SS	1/16RBK5-3-AL	1/16RBK5-3-NP	1 9/64	5/16	1/3
3/16	5/32 / 4mm	1/16RBK5-3 1/2	1/16RBK5-3 1/2-SS	1/16RBK5-3 1/2-316SS	1/16RBK5-3 1/2-AL	1/16RBK5-3 1/2-NP	1 9/64	5/16	1/3

1/16 NPT Thread Elbow, Tee, and V-Tee Bulkheads also available! Consult factory for details!

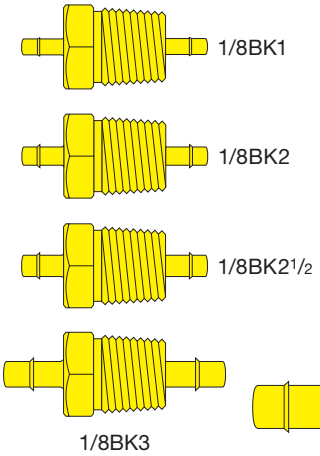


1/8 NPT In-line Bulkheads 683

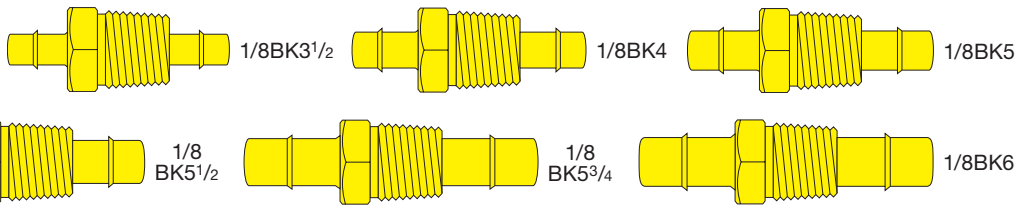



1/8BK.045

Supplied with Lockwasher and Nut or All-in-One Combination!

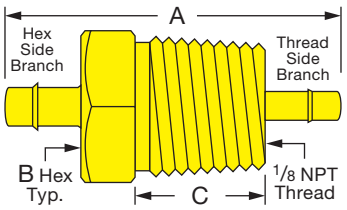


Tube ID		Part Numbers					Dimensions (Reference)		
Hex Side Branch	Thread Side Branch	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
3/64	3/64	1/8BK.045	1/8BK.045-SS	1/8BK.045-316SS	1/8BK.045-AL	1/8BK.045-NP	27/32	7/16	3/8
1/16	1/16	1/8BK1	1/8BK1-SS	1/8BK1-316SS	1/8BK1-AL	1/8BK1-NP	31/32	7/16	3/8
5/64 / 2mm	5/64 / 2mm	1/8BK2	1/8BK2-SS	1/8BK2-316SS	1/8BK2-AL	1/8BK2-NP	31/32	7/16	3/8
3/32	3/32	1/8BK2 1/2	1/8BK2 1/2-SS	1/8BK2 1/2-316SS	1/8BK2 1/2-AL	1/8BK2 1/2-NP	31/32	7/16	3/8
1/8	1/8	1/8BK3	1/8BK3-SS	1/8BK3-316SS	1/8BK3-AL	1/8BK3-NP	1 5/32	7/16	3/8
5/32 / 4mm	5/32 / 4mm	1/8BK3 1/2	1/8BK3 1/2-SS	1/8BK3 1/2-316SS	1/8BK3 1/2-AL	1/8BK3 1/2-NP	1 5/32	7/16	3/8
.170	.170	1/8BK4	1/8BK4-SS	1/8BK4-316SS	1/8BK4-AL	1/8BK4-NP	1 7/32	7/16	3/8
3/16	3/16	1/8BK5	1/8BK5-SS	1/8BK5-316SS	1/8BK5-AL	1/8BK5-NP	1 9/32	7/16	3/8
7/32	7/32	1/8BK5 1/2	1/8BK5 1/2-SS	1/8BK5 1/2-316SS	1/8BK5 1/2-AL	1/8BK5 1/2-NP	1 9/32	7/16	3/8
6mm	6mm	1/8BK5 3/4	1/8BK5 3/4-SS	1/8BK5 3/4-316SS	1/8BK5 3/4-AL	1/8BK5 3/4-NP	1 17/32	7/16	3/8
1/4	1/4	1/8BK6	1/8BK6-SS	1/8BK6-316SS	1/8BK6-AL	1/8BK6-NP	1 17/32	7/16	3/8

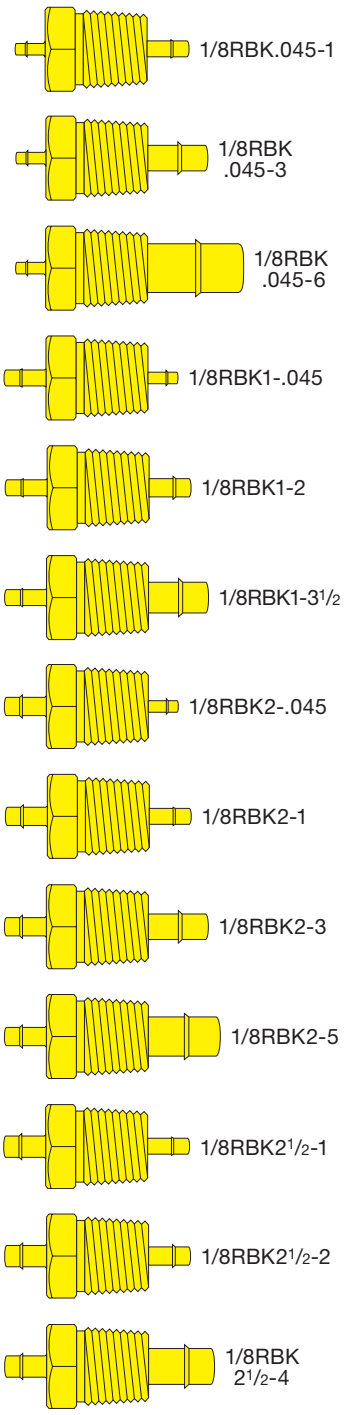


684 — 1/8 NPT In-line Reducing Bulkheads

Tube ID		Part Numbers					Dimensions (Reference)		
Hex Side Branch	Thread Side Branch	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
3/64	1/16	1/8RBK .045-1	1/8RBK .045-1-SS	1/8RBK .045-1-316SS	1/8RBK .045-1-AL	1/8RBK .045-1-NP	29/32	7/16	3/8
3/64	5/64 / 2mm	1/8RBK .045-2	1/8RBK .045-2-SS	1/8RBK .045-2-316SS	1/8RBK .045-2-AL	1/8RBK .045-2-NP	29/32	7/16	3/8
3/64	3/32	1/8RBK .045-2 1/2	1/8RBK .045-2 1/2-SS	1/8RBK .045-2 1/2-316SS	1/8RBK .045-2 1/2-AL	1/8RBK .045-2 1/2-NP	29/32	7/16	3/8
3/64	1/8	1/8RBK .045-3	1/8RBK .045-3-SS	1/8RBK .045-3-316SS	1/8RBK .045-3-AL	1/8RBK .045-3-NP	1	7/16	3/8
3/64	5/32 / 4mm	1/8RBK .045-3 1/2	1/8RBK .045-3 1/2-SS	1/8RBK .045-3 1/2-316SS	1/8RBK .045-3 1/2-AL	1/8RBK .045-3 1/2-NP	1	7/16	3/8
3/64	.170	1/8RBK .045-4	1/8RBK .045-4-SS	1/8RBK .045-4-316SS	1/8RBK .045-4-AL	1/8RBK .045-4-NP	1 1/32	7/16	3/8
3/64	3/16	1/8RBK .045-5	1/8RBK .045-5-SS	1/8RBK .045-5-316SS	1/8RBK .045-5-AL	1/8RBK .045-5-NP	1 1/16	7/16	3/8
3/64	7/32	1/8RBK .045-5 1/2	1/8RBK .045-5 1/2-SS	1/8RBK .045-5 1/2-316SS	1/8RBK .045-5 1/2-AL	1/8RBK .045-5 1/2-NP	1 1/16	7/16	3/8
3/64	6mm	1/8RBK .045-5 3/4	1/8RBK .045-5 3/4-SS	1/8RBK .045-5 3/4-316SS	1/8RBK .045-5 3/4-AL	1/8RBK .045-5 3/4-NP	1 3/16	7/16	3/8
3/64	1/4	1/8RBK .045-6	1/8RBK .045-6-SS	1/8RBK .045-6-316SS	1/8RBK .045-6-AL	1/8RBK .045-6-NP	1 3/16	7/16	3/8
1/16	3/64	1/8RBK 1-.045	1/8RBK 1-.045-SS	1/8RBK 1-.045-316SS	1/8RBK 1-.045-AL	1/8RBK 1-.045-NP	29/32	7/16	3/8
1/16	5/64 / 2mm	1/8RBK1-2	1/8RBK1-2-SS	1/8RBK1-2-316SS	1/8RBK1-2-AL	1/8RBK1-2-NP	31/32	7/16	3/8
1/16	3/32	1/8RBK 1-2 1/2	1/8RBK 1-2 1/2-SS	1/8RBK 1-2 1/2-316SS	1/8RBK 1-2 1/2-AL	1/8RBK 1-2 1/2-NP	31/32	7/16	3/8
1/16	1/8	1/8RBK 1-3	1/8RBK 1-3-SS	1/8RBK 1-3-316SS	1/8RBK 1-3-AL	1/8RBK 1-3-NP	1 1/16	7/16	3/8
1/16	5/32 / 4mm	1/8RBK 1-3 1/2	1/8RBK 1-3 1/2-SS	1/8RBK 1-3 1/2-316SS	1/8RBK 1-3 1/2-AL	1/8RBK 1-3 1/2-NP	1 1/16	7/16	3/8
1/16	.170	1/8RBK1-4	1/8RBK1-4-SS	1/8RBK1-4-316SS	1/8RBK1-4-AL	1/8RBK1-4-NP	1 3/32	7/16	3/8
1/16	3/16	1/8RBK1-5	1/8RBK1-5-SS	1/8RBK1-5-316SS	1/8RBK1-5-AL	1/8RBK1-5-NP	1 1/8	7/16	3/8
1/16	7/32	1/8RBK 1-5 1/2	1/8RBK 1-5 1/2-SS	1/8RBK 1-5 1/2-316SS	1/8RBK 1-5 1/2-AL	1/8RBK 1-5 1/2-NP	1 1/8	7/16	3/8
1/16	6mm	1/8RBK 1-5 3/4	1/8RBK 1-5 3/4-SS	1/8RBK 1-5 3/4-316SS	1/8RBK 1-5 3/4-AL	1/8RBK 1-5 3/4-NP	1 1/4	7/16	3/8
1/16	1/4	1/8RBK1-6	1/8RBK1-6-SS	1/8RBK1-6-316SS	1/8RBK1-6-AL	1/8RBK1-6-NP	1 1/4	7/16	3/8
5/64 / 2mm	3/64	1/8RBK 2-.045	1/8RBK 2-.045-SS	1/8RBK 2-.045-316SS	1/8RBK 2-.045-AL	1/8RBK 2-.045-NP	29/32	7/16	3/8
5/64 / 2mm	1/16	1/8RBK2-1	1/8RBK2-1-SS	1/8RBK2-1-316SS	1/8RBK2-1-AL	1/8RBK2-1-NP	31/32	7/16	3/8
5/64 / 2mm	3/32	1/8RBK 2-2 1/2	1/8RBK 2-2 1/2-SS	1/8RBK 2-2 1/2-316SS	1/8RBK 2-2 1/2-AL	1/8RBK 2-2 1/2-NP	31/32	7/16	3/8
5/64 / 2mm	1/8	1/8RBK2-3	1/8RBK2-3-SS	1/8RBK2-3-316SS	1/8RBK2-3-AL	1/8RBK2-3-NP	1 1/16	7/16	3/8
5/64 / 2mm	5/32 / 4mm	1/8RBK 2-3 1/2	1/8RBK 2-3 1/2-SS	1/8RBK 2-3 1/2-316SS	1/8RBK 2-3 1/2-AL	1/8RBK 2-3 1/2-NP	1 1/16	7/16	3/8
5/64 / 2mm	.170	1/8RBK2-4	1/8RBK2-4-SS	1/8RBK2-4-316SS	1/8RBK2-4-AL	1/8RBK2-4-NP	1 3/32	7/16	3/8
5/64 / 2mm	3/16	1/8RBK2-5	1/8RBK2-5-SS	1/8RBK2-5-316SS	1/8RBK2-5-AL	1/8RBK2-5-NP	1 1/8	7/16	3/8
5/64 / 2mm	7/32	1/8RBK 2-5 1/2	1/8RBK 2-5 1/2-SS	1/8RBK 2-5 1/2-316SS	1/8RBK 2-5 1/2-AL	1/8RBK 2-5 1/2-NP	1 1/8	7/16	3/8
5/64 / 2mm	6mm	1/8RBK 2-5 3/4	1/8RBK 2-5 3/4-SS	1/8RBK 2-5 3/4-316SS	1/8RBK 2-5 3/4-AL	1/8RBK 2-5 3/4-NP	1 1/4	7/16	3/8
5/64 / 2mm	1/4	1/8RBK2-6	1/8RBK2-6-SS	1/8RBK2-6-316SS	1/8RBK2-6-AL	1/8RBK2-6-NP	1 1/4	7/16	3/8
3/32	3/64	1/8RBK 2 1/2-.045	1/8RBK2 1/2-.045-SS	1/8RBK2 1/2-.045-316SS	1/8RBK2 1/2-.045-AL	1/8RBK2 1/2-.045-NP	29/32	7/16	3/8
3/32	1/16	1/8RBK 2 1/2-1	1/8RBK2 1/2-1-SS	1/8RBK2 1/2-1-316SS	1/8RBK2 1/2-1-AL	1/8RBK2 1/2-1-NP	31/32	7/16	3/8
3/32	5/64 / 2mm	1/8RBK 2 1/2-2	1/8RBK2 1/2-2-SS	1/8RBK2 1/2-2-316SS	1/8RBK2 1/2-2-AL	1/8RBK2 1/2-2-NP	31/32	7/16	3/8
3/32	1/8	1/8RBK 2 1/2-3	1/8RBK2 1/2-3-SS	1/8RBK2 1/2-3-316SS	1/8RBK2 1/2-3-AL	1/8RBK2 1/2-3-NP	1 1/16	7/16	3/8
3/32	5/32 / 4mm	1/8RBK 2 1/2-3 1/2	1/8RBK2 1/2-3 1/2-SS	1/8RBK2 1/2-3 1/2-316SS	1/8RBK2 1/2-3 1/2-AL	1/8RBK2 1/2-3 1/2-NP	1 1/16	7/16	3/8
3/32	.170	1/8RBK 2 1/2-4	1/8RBK2 1/2-4-SS	1/8RBK2 1/2-4-316SS	1/8RBK2 1/2-4-AL	1/8RBK2 1/2-4-NP	1 3/32	7/16	3/8
3/32	3/16	1/8RBK 2 1/2-5	1/8RBK2 1/2-5-SS	1/8RBK2 1/2-5-316SS	1/8RBK2 1/2-5-AL	1/8RBK2 1/2-5-NP	1 1/8	7/16	3/8



Bulkheads are supplied with a Lockwasher and Nut or All-in-One Combination!



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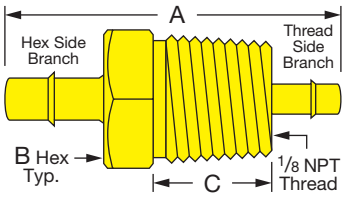
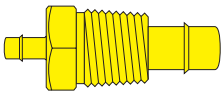
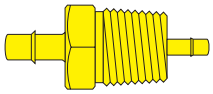
1/8 NPT In-line Reducing Bulkheads (cont.) 685



Supplied with Lockwasher and Nut or All-in-One Combination!


1/8RBK2 1/2-5 1/2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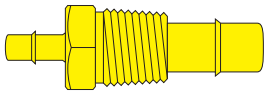
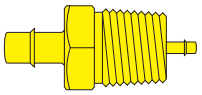
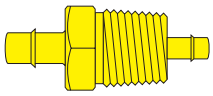
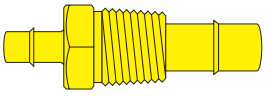
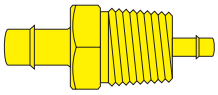
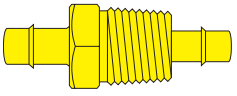

1/8RBK3-6

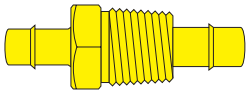

1/8RBK 3 1/2-.045


1/8RBK 3 1/2-2 1/2


1/8RBK3 1/2-5 3/4


1/8RBK4-2


1/8RBK 4-3 1/2


1/8RBK4-5

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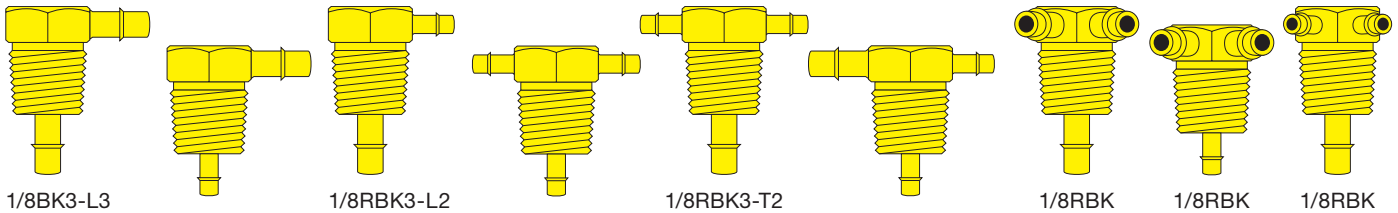
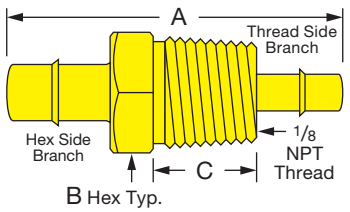
Tube ID		Part Numbers					Dimensions (Reference)		
Hex Side Branch	Thread Side Branch	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
3/32	7/32	1/8RBK 2 1/2-5 1/2	1/8RBK 2 1/2-5 1/2-SS	1/8RBK 2 1/2-5 1/2-316SS	1/8RBK 2 1/2-5 1/2-AL	1/8RBK 2 1/2-5 1/2-NP	1 1/8	7/16	3/8
3/32	6mm	1/8RBK 2 1/2-5 3/4	1/8RBK 2 1/2-5 3/4-SS	1/8RBK 2 1/2-5 3/4-316SS	1/8RBK 2 1/2-5 3/4-AL	1/8RBK 2 1/2-5 3/4-NP	1 1/4	7/16	3/8
3/32	1/4	1/8RBK 2 1/2-6	1/8RBK 2 1/2-6-SS	1/8RBK 2 1/2-6-316SS	1/8RBK2 1/2-6-AL	1/8RBK 2 1/2-6-NP	1 1/4	7/16	3/8
1/8	3/64	1/8RBK 3-.045	1/8RBK 3-.045-SS	1/8RBK 3-.045-316SS	1/8RBK 3-.045-AL	1/8RBK 3-.045-NP	1	7/16	3/8
1/8	1/16	1/8RBK3-1	1/8RBK3-1-SS	1/8RBK3-1-316SS	1/8RBK3-1-AL	1/8RBK3-1-NP	1 1/16	7/16	3/8
1/8	5/64 / 2mm	1/8RBK3-2	1/8RBK3-2-SS	1/8RBK3-2-316SS	1/8RBK3-2-AL	1/8RBK3-2-NP	1 1/16	7/16	3/8
1/8	3/32	1/8RBK 3-2 1/2	1/8RBK 3-2 1/2-SS	1/8RBK 3-2 1/2-316SS	1/8RBK 3-2 1/2-AL	1/8RBK 3-2 1/2-NP	1 1/16	7/16	3/8
1/8	5/32 / 4mm	1/8RBK 3-3 1/2	1/8RBK 3-3 1/2-SS	1/8RBK 3-3 1/2-316SS	1/8RBK 3-3 1/2-AL	1/8RBK 3-3 1/2-NP	1 5/32	7/16	3/8
1/8	.170	1/8RBK3-4	1/8RBK3-4-SS	1/8RBK3-4-316SS	1/8RBK3-4-AL	1/8RBK3-4-NP	1 3/16	7/16	3/8
1/8	3/16	1/8RBK3-5	1/8RBK3-5-SS	1/8RBK3-5-316SS	1/8RBK3-5-AL	1/8RBK3-5-NP	1 9/32	7/16	3/8
1/8	7/32	1/8RBK 3-5 1/2	1/8RBK 3-5 1/2-SS	1/8RBK 3-5 1/2-316SS	1/8RBK 3-5 1/2-AL	1/8RBK 3-5 1/2-NP	1 9/32	7/16	3/8
1/8	6mm	1/8RBK 3-5 3/4	1/8RBK 3-5 3/4-SS	1/8RBK 3-5 3/4-316SS	1/8RBK 3-5 3/4-AL	1/8RBK 3-5 3/4-NP	1 11/32	7/16	3/8
1/8	1/4	1/8RBK3-6	1/8RBK3-6-SS	1/8RBK3-6-316SS	1/8RBK3-6-AL	1/8RBK3-6-NP	1 11/32	7/16	3/8
5/32 / 4mm	3/64	1/8RBK 3 1/2-.045	1/8RBK 3 1/2-.045-SS	1/8RBK 3 1/2-.045-316SS	1/8RBK 3 1/2-.045-AL	1/8RBK 3 1/2-.045-NP	1	7/16	3/8
5/32 / 4mm	1/16	1/8RBK 3 1/2-1	1/8RBK 3 1/2-1-SS	1/8RBK 3 1/2-1-316SS	1/8RBK3 1/2-1-AL	1/8RBK 3 1/2-1-NP	1 1/16	7/16	3/8
5/32 / 4mm	5/64 / 2mm	1/8RBK 3 1/2-2	1/8RBK 3 1/2-2-SS	1/8RBK 3 1/2-2-316SS	1/8RBK3 1/2-2-AL	1/8RBK 3 1/2-2-NP	1 1/16	7/16	3/8
5/32 / 4mm	3/32	1/8RBK 3 1/2-2 1/2	1/8RBK 3 1/2-2 1/2-SS	1/8RBK 3 1/2-2 1/2-316SS	1/8RBK 3 1/2-2 1/2-AL	1/8RBK 3 1/2-2 1/2-NP	1 1/16	7/16	3/8
5/32 / 4mm	1/8	1/8RBK 3 1/2-3	1/8RBK 3 1/2-3-SS	1/8RBK 3 1/2-3-316SS	1/8RBK3 1/2-3-AL	1/8RBK 3 1/2-3-NP	1 5/32	7/16	3/8
5/32 / 4mm	.170	1/8RBK 3 1/2-4	1/8RBK 3 1/2-4-SS	1/8RBK 3 1/2-4-316SS	1/8RBK3 1/2-4-AL	1/8RBK 3 1/2-4-NP	1 3/16	7/16	3/8
5/32 / 4mm	3/16	1/8RBK 3 1/2-5	1/8RBK 3 1/2-5-SS	1/8RBK 3 1/2-5-316SS	1/8RBK3 1/2-5-AL	1/8RBK 3 1/2-5-NP	1 9/32	7/16	3/8
5/32 / 4mm	7/32	1/8RBK 3 1/2-5 1/2	1/8RBK 3 1/2-5 1/2-SS	1/8RBK 3 1/2-5 1/2-316SS	1/8RBK 3 1/2-5 1/2-AL	1/8RBK 3 1/2-5 1/2-NP	1 9/32	7/16	3/8
5/32 / 4mm	6mm	1/8RBK 3 1/2-5 3/4	1/8RBK 3 1/2-5 3/4-SS	1/8RBK 3 1/2-5 3/4-316SS	1/8RBK 3 1/2-5 3/4-AL	1/8RBK 3 1/2-5 3/4-NP	1 11/32	7/16	3/8
5/32 / 4mm	1/4	1/8RBK 3 1/2-6	1/8RBK 3 1/2-6-SS	1/8RBK 3 1/2-6-316SS	1/8RBK3 1/2-6-AL	1/8RBK 3 1/2-6-NP	1 11/32	7/16	3/8
.170	3/64	1/8RBK 4-.045	1/8RBK 4-.045-SS	1/8RBK 4-.045-316SS	1/8RBK 4-.045-AL	1/8RBK 4-.045-NP	1 1/32	7/16	3/8
.170	1/16	1/8RBK4-1	1/8RBK4-1-SS	1/8RBK4-1-316SS	1/8RBK4-1-AL	1/8RBK4-1-NP	1 3/32	7/16	3/8
.170	5/64 / 2mm	1/8RBK4-2	1/8RBK4-2-SS	1/8RBK4-2-316SS	1/8RBK4-2-AL	1/8RBK4-2-NP	1 3/32	7/16	3/8
.170	3/32	1/8RBK 4-2 1/2	1/8RBK 4-2 1/2-SS	1/8RBK 4-2 1/2-316SS	1/8RBK4-2 1/2-AL	1/8RBK 4-2 1/2-NP	1 3/32	7/16	3/8
.170	1/8	1/8RBK 4-3	1/8RBK 4-3-SS	1/8RBK 4-3-316SS	1/8RBK4-3-AL	1/8RBK4-3-NP	1 3/16	7/16	3/8
.170	5/32 / 4mm	1/8RBK 4-3 1/2	1/8RBK 4-3 1/2-SS	1/8RBK 4-3 1/2-316SS	1/8RBK4-3 1/2-AL	1/8RBK 4-3 1/2-NP	1 3/16	7/16	3/8
.170	3/16	1/8RBK 4-5	1/8RBK 4-5-SS	1/8RBK 4-5-316SS	1/8RBK4-5-AL	1/8RBK 4-5-NP	1 1/4	7/16	3/8

1/8 NPT Thread Elbow, Tee, and V-Tee Bulkheads & Reducing Bulkheads also available! Consult factory for details!

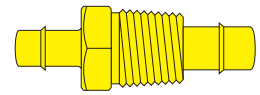

1/8BK3-L3 · 1/8RBK2-L3 · 1/8RBK3-L2 · 1/8BK2-T2 · 1/8RBK3-T2 · 1/8BK2-RT3-2 · 1/8RBK 3-VT3 · 1/8RBK 2-VT3 · 1/8RBK 3-VT2

686 — 1/8 NPT In-line Reducing Bulkheads (cont.)

Tube ID		Part Numbers					Dimensions (Reference)		
Hex Side Branch	Thread Side Branch	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
.170	7/32	1/8RBK 4-5 1/2	1/8RBK 4-5 1/2-SS	1/8RBK 4-5 1/2-316SS	1/8RBK4-5 1/2-AL	1/8RBK 4-5 1/2-NP	1 1/4	7/16	3/8
.170	6mm	1/8RBK 4-5 3/4	1/8RBK 4-5 3/4-SS	1/8RBK 4-5 3/4-316SS	1/8RBK4-5 3/4-AL	1/8RBK 4-5 3/4-NP	1 3/8	7/16	3/8
.170	1/4	1/8RBK4-6	1/8RBK4-6-SS	1/8RBK4-6-316SS	1/8RBK4-6-AL	1/8RBK4-6-NP	1 3/8	7/16	3/8
3/16	3/64	1/8RBK 5-.045	1/8RBK 5-.045-SS	1/8RBK 5-.045-316SS	1/8RBK 5-.045-AL	1/8RBK 5-.045-NP	1 1/16	7/16	3/8
3/16	1/16	1/8RBK5-1	1/8RBK5-1-SS	1/8RBK5-1-316SS	1/8RBK5-1-AL	1/8RBK5-1-NP	1 1/8	7/16	3/8
3/16	5/64 / 2mm	1/8RBK5-2	1/8RBK5-2-SS	1/8RBK5-2-316SS	1/8RBK5-2-AL	1/8RBK5-2-NP	1 1/8	7/16	3/8
3/16	3/32	1/8RBK 5-2 1/2	1/8RBK 5-2 1/2-SS	1/8RBK 5-2 1/2-316SS	1/8RBK 5-2 1/2-AL	1/8RBK 5-2 1/2-NP	1 1/8	7/16	3/8
3/16	1/8	1/8RBK5-3	1/8RBK5-3-SS	1/8RBK5-3-316SS	1/8RBK5-3-AL	1/8RBK5-3-NP	1 9/32	7/16	3/8
3/16	5/32 / 4mm	1/8RBK 5-3 1/2	1/8RBK 5-3 1/2-SS	1/8RBK 5-3 1/2-316SS	1/8RBK 5-3 1/2-AL	1/8RBK 5-3 1/2-NP	1 9/32	7/16	3/8
3/16	.170	1/8RBK5-4	1/8RBK5-4-SS	1/8RBK5-4-316SS	1/8RBK5-4-AL	1/8RBK5-4-NP	1 1/4	7/16	3/8
3/16	7/32	1/8RBK 5-5 1/2	1/8RBK 5-5 1/2-SS	1/8RBK 5-5 1/2-316SS	1/8RBK5-5 1/2-AL	1/8RBK 5-5 1/2-NP	1 9/32	7/16	3/8
3/16	6mm	1/8RBK 5-5 3/4	1/8RBK 5-5 3/4-SS	1/8RBK 5-5 3/4-316SS	1/8RBK5-5 3/4-AL	1/8RBK 5-5 3/4-NP	1 13/32	7/16	3/8
3/16	1/4	1/8RBK5-6	1/8RBK5-6-SS	1/8RBK5-6-316SS	1/8RBK5-6-AL	1/8RBK5-6-NP	1 13/32	7/16	3/8
7/32	3/64	1/8RBK 5 1/2-.045	1/8RBK 5 1/2-.045-SS	1/8RBK 5 1/2-.045-316SS	1/8RBK 5 1/2-.045-AL	1/8RBK 5 1/2-.045-NP	1 1/16	7/16	3/8
7/32	1/16	1/8RBK 5 1/2-1	1/8RBK 5 1/2-1-SS	1/8RBK 5 1/2-1-316SS	1/8RBK 5 1/2-1-AL	1/8RBK 5 1/2-1-NP	1 1/8	7/16	3/8
7/32	5/64 / 2mm	1/8RBK 5 1/2-2	1/8RBK 5 1/2-2-SS	1/8RBK 5 1/2-2-316SS	1/8RBK 5 1/2-2-AL	1/8RBK 5 1/2-2-NP	1 1/8	7/16	3/8
7/32	3/32	1/8RBK 5 1/2-2 1/2	1/8RBK 5 1/2-2 1/2-SS	1/8RBK 5 1/2-2 1/2-316SS	1/8RBK 5 1/2-2 1/2-AL	1/8RBK 5 1/2-2 1/2-NP	1 1/8	7/16	3/8
7/32	1/8	1/8RBK 5 1/2-3	1/8RBK 5 1/2-3-SS	1/8RBK 5 1/2-3-316SS	1/8RBK 5 1/2-3-AL	1/8RBK 5 1/2-3-NP	1 9/32	7/16	3/8
7/32	5/32 / 4mm	1/8RBK 5 1/2-3 1/2	1/8RBK 5 1/2-3 1/2-SS	1/8RBK 5 1/2-3 1/2-316SS	1/8RBK 5 1/2-3 1/2-AL	1/8RBK 5 1/2-3 1/2-NP	1 9/32	7/16	3/8
7/32	.170	1/8RBK 5 1/2-4	1/8RBK 5 1/2-4-SS	1/8RBK 5 1/2-4-316SS	1/8RBK 5 1/2-4-AL	1/8RBK 5 1/2-4-NP	1 1/4	7/16	3/8
7/32	3/16	1/8RBK 5 1/2-5	1/8RBK 5 1/2-5-SS	1/8RBK 5 1/2-5-316SS	1/8RBK 5 1/2-5-AL	1/8RBK 5 1/2-5-NP	1 9/32	7/16	3/8
7/32	6mm	1/8RBK 5 1/2-5 3/4	1/8RBK 5 1/2-5 3/4-SS	1/8RBK 5 1/2-5 3/4-316SS	1/8RBK 5 1/2-5 3/4-AL	1/8RBK 5 1/2-5 3/4-NP	1 13/32	7/16	3/8
7/32	1/4	1/8RBK 5 1/2-6	1/8RBK 5 1/2-6-SS	1/8RBK 5 1/2-6-316SS	1/8RBK 5 1/2-6-AL	1/8RBK 5 1/2-6-NP	1 13/32	7/16	3/8
6mm	3/64	1/8RBK 5 3/4-.045	1/8RBK 5 3/4-.045-SS	1/8RBK 5 3/4-.045-316SS	1/8RBK 5 3/4-.045-AL	1/8RBK 5 3/4-.045-NP	1 3/16	7/16	3/8
6mm	1/16	1/8RBK 5 3/4-1	1/8RBK 5 3/4-1-SS	1/8RBK 5 3/4-1-316SS	1/8RBK 5 3/4-1-AL	1/8RBK 5 3/4-1-NP	1 1/4	7/16	3/8
6mm	5/64 / 2mm	1/8RBK 5 3/4-2	1/8RBK 5 3/4-2-SS	1/8RBK 5 3/4-2-316SS	1/8RBK 5 3/4-2-AL	1/8RBK 5 3/4-2-NP	1 1/4	7/16	3/8
6mm	3/32	1/8RBK 5 3/4-2 1/2	1/8RBK 5 3/4-2 1/2-SS	1/8RBK 5 3/4-2 1/2-316SS	1/8RBK 5 3/4-2 1/2-AL	1/8RBK 5 3/4-2 1/2-NP	1 1/4	7/16	3/8
6mm	1/8	1/8RBK 5 3/4-3	1/8RBK 5 3/4-3-SS	1/8RBK 5 3/4-3-316SS	1/8RBK 5 3/4-3-AL	1/8RBK 5 3/4-3-NP	1 11/32	7/16	3/8
6mm	5/32 / 4mm	1/8RBK 5 3/4-3 1/2	1/8RBK 5 3/4-3 1/2-SS	1/8RBK 5 3/4-3 1/2-316SS	1/8RBK 5 3/4-3 1/2-AL	1/8RBK 5 3/4-3 1/2-NP	1 11/32	7/16	3/8
6mm	.170	1/8RBK 5 3/4-4	1/8RBK 5 3/4-4-SS	1/8RBK 5 3/4-4-316SS	1/8RBK 5 3/4-4-AL	1/8RBK 5 3/4-4-NP	1 3/8	7/16	3/8
6mm	3/16	1/8RBK 5 3/4-5	1/8RBK 5 3/4-5-SS	1/8RBK 5 3/4-5-316SS	1/8RBK 5 3/4-5-AL	1/8RBK 5 3/4-5-NP	1 13/32	7/16	3/8
6mm	7/32	1/8RBK 5 3/4-5 1/2	1/8RBK 5 3/4-5 1/2-SS	1/8RBK 5 3/4-5 1/2-316SS	1/8RBK 5 3/4-5 1/2-AL	1/8RBK 5 3/4-5 1/2-NP	1 13/32	7/16	3/8
6mm	1/4	1/8RBK 5 3/4-6	1/8RBK 5 3/4-6-SS	1/8RBK 5 3/4-6-316SS	1/8RBK 5 3/4-6-AL	1/8RBK 5 3/4-6-NP	1 17/32	7/16	3/8
1/4	3/64	1/8RBK 6-.045	1/8RBK 6-.045-SS	1/8RBK 6-.045-316SS	1/8RBK 6-.045-AL	1/8RBK 6-.045-NP	1 3/16	7/16	3/8
1/4	1/16	1/8RBK6-1	1/8RBK6-1-SS	1/8RBK6-1-316SS	1/8RBK6-1-AL	1/8RBK6-1-NP	1 1/4	7/16	3/8
1/4	5/64 / 2mm	1/8RBK6-2	1/8RBK6-2-SS	1/8RBK6-2-316SS	1/8RBK6-2-AL	1/8RBK6-2-NP	1 1/4	7/16	3/8



Supplied with Lockwasher and Nut or All-in-One Combination!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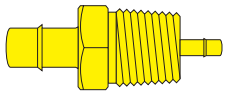
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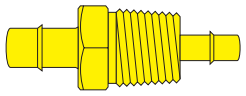
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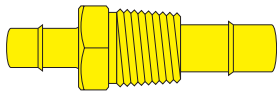
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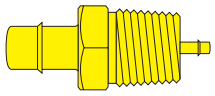
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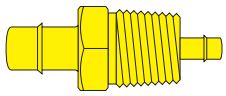
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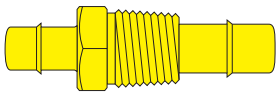
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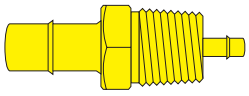
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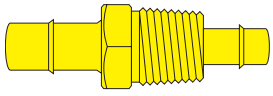
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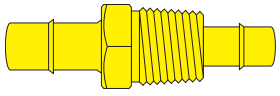
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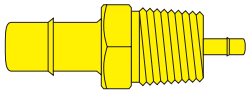
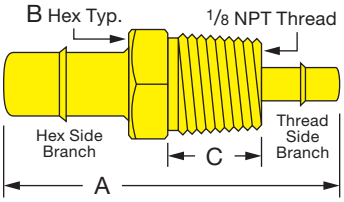
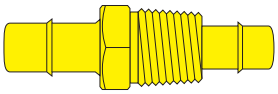

1/8RBK 6-1

Continued on next page.

1/8 NPT In-line Reducing Bulkheads (cont.) 687

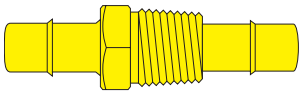


Supplied with Lockwasher & Nut or All-in-One Combination!

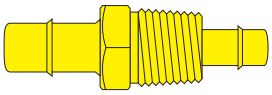


1/8RBK6-5 1/2

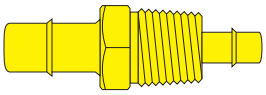
Tube ID		Part Numbers					Dimensions (Reference)		
Hex Side Branch	Thread Side Branch	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/4	3/32	1/8RBK 6-2 1/2	1/8RBK 6-2 1/2-SS	1/8RBK 6-2 1/2-316SS	1/8RBK6-2 1/2-AL	1/8RBK 6-2 1/2-NP	1 1/4	7/16	3/8
1/4	1/8	1/8RBK6-3	1/8RBK6-3-SS	1/8RBK6-3-316SS	1/8RBK6-3-AL	1/8RBK6-3-NP	1 11/32	7/16	3/8
1/4	5/32 / 4mm	1/8RBK 6-3 1/2	1/8RBK 6-3 1/2-SS	1/8RBK 6-3 1/2-316SS	1/8RBK6-3 1/2-AL	1/8RBK6-3 1/2-NP	1 11/32	7/16	3/8
1/4	.170	1/8RBK6-4	1/8RBK6-4-SS	1/8RBK6-4-316SS	1/8RBK6-4-AL	1/8RBK6-4-NP	1 3/8	7/16	3/8
1/4	3/16	1/8RBK6-5	1/8RBK6-5-SS	1/8RBK6-5-316SS	1/8RBK6-5-AL	1/8RBK6-5-NP	1 13/32	7/16	3/8
1/4	7/32	1/8RBK 6-5 1/2	1/8RBK 6-5 1/2-SS	1/8RBK 6-5 1/2-316SS	1/8RBK6-5 1/2-AL	1/8RBK6-5 1/2-NP	1 13/32	7/16	3/8
1/4	6mm	1/8RBK 6-5 3/4	1/8RBK 6-5 3/4-SS	1/8RBK 6-5 3/4-316SS	1/8RBK6-5 3/4-AL	1/8RBK6-5 3/4-NP	1 17/32	7/16	3/8



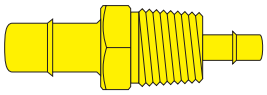
1/8RBK6-5 3/4



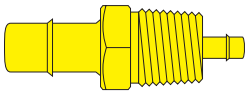
1/8RBK6-4



1/8RBK6-3 1/2



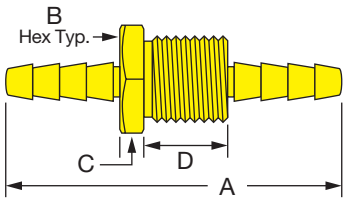
1/8RBK6-3

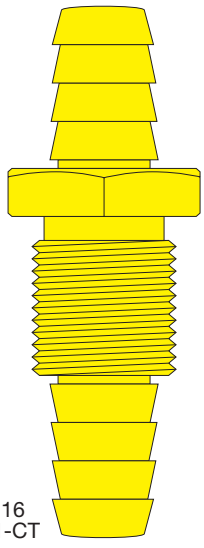


1/8RBK6-2 1/2

PLEASE NOTE: These drawings have been altered (rotated 180°) compared to the previous catalog to better represent the part numbers!

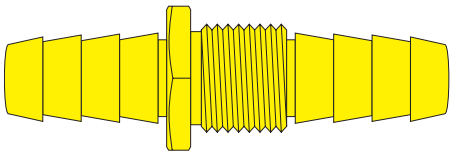
Multi-Barb Bulkheads 688



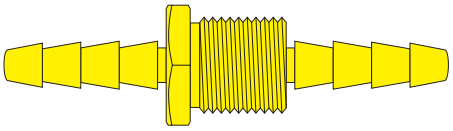


3/4-16 BK11-CT

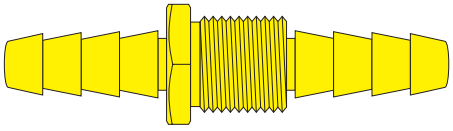
Thread	Tube ID	Part Numbers					Dimensions (Reference)			
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/2-24	1/8	1/2-24BK3-CT	1/2-24BK3-CT-SS	1/2-24BK3-CT-316SS	1/2-24BK3-CT-AL	1/2-24BK3-CT-NP	2.315	5/8	1/8	1/2
1/2-24	3/16	1/2-24BK5-CT	1/2-24BK5-CT-SS	1/2-24BK5-CT-316SS	1/2-24BK5-CT-AL	1/2-24BK5-CT-NP	2.315	5/8	1/8	1/2
1/2-24	1/4	1/2-24BK6-CT	1/2-24BK6-CT-SS	1/2-24BK6-CT-316SS	1/2-24BK6-CT-AL	1/2-24BK6-CT-NP	2.315	5/8	1/8	1/2
1/2-24	5/16	1/2-24BK7-CT	1/2-24BK7-CT-SS	1/2-24BK7-CT-316SS	1/2-24BK7-CT-AL	1/2-24BK7-CT-NP	2.315	5/8	1/8	1/2
9/16-18	3/8	9/16-18BK 8-CT	9/16-18BK8-CT-SS	9/16-18BK8-CT-316SS	9/16-18BK8-CT-AL	9/16-18BK8-CT-NP	2.315	3/4	1/8	1/2
3/4-16	5/8	3/4-16BK 11-CT	3/4-16BK11-CT-SS	3/4-16BK11-CT-316SS	3/4-16BK11-CT-AL	3/4-16BK11-CT-NP	3.658	1	1/4	53/64



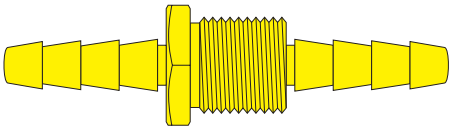
9/16-18BK8-CT



1/2-24BK3-CT

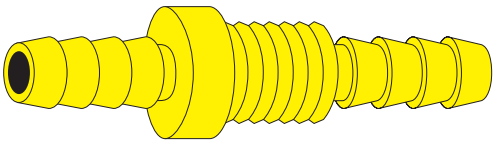


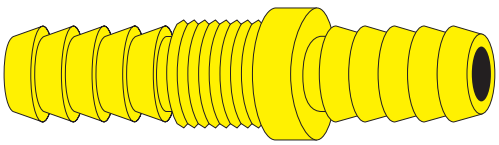
1/2-24BK6-CT



1/2-24BK5-CT

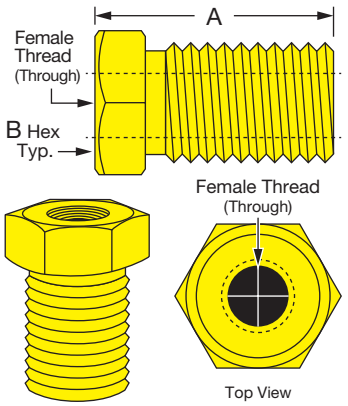
Multi-Barb Bulkheads are also available with Round Bodies! Consult factory for details!



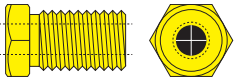


689 Reducing Bulkhead Bushings

Male Thread	Female Thread	Part Numbers					Dimensions (Reference)	
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.
5/16-24	10-32	RBB-5/16-24x10	RBB-5/16-24x 10-SS	RBB-5/16-24x 10-316SS	RBB-5/16-24x 10-AL	RBB-5/16-24x 10-NP	3/4	3/8
3/8-24	10-32	RBB-3/8-24x10	RBB-3/8-24x 10-SS	RBB-3/8-24x 10-316SS	RBB-3/8-24x 10-AL	RBB-3/8-24x 10-NP	1/2	7/16
15/32-32	10-32	RBB-15/32-32x10	RBB-15/32-32x 10-SS	RBB-15/32-32x 10-316SS	RBB-15/32-32x 10-AL	RBB-15/32-32x 10-NP	1/2	9/16
15/32-32	1/8 NPT	RBB-15/32-32x1/8	RBB-15/32-32x 1/8-SS	RBB-15/32-32x 1/8-316SS	RBB-15/32-32x 1/8-AL	RBB-15/32-32x 1/8-NP	1/2	9/16
5/8-18	1/8 NPT	RBB-5/8-18x 1/8	RBB-5/8-18x 1/8-SS	RBB-5/8-18x 1/8-316SS	RBB-5/8-18x 1/8-AL	RBB-5/8-18x 1/8-NP	1 1/2	7/8
5/8-18	1/8 NPT Short	RBB-5/8-18x 1/8-SH	RBB-5/8-18x 1/8-SH-SS	RBB-5/8-18x 1/8-SH-316SS	RBB-5/8-18x 1/8-SH-AL	RBB-5/8-18x 1/8-SH-NP	3/4	7/8
3/4-16	1/8 NPT	RBB-3/4-16x1/8	RBB-3/4-16x 1/8-SS	RBB-3/4-16x 1/8-316SS	RBB-3/4-16x 1/8-AL	RBB-3/4-16x 1/8-NP	1	7/8
3/4-16	1/8 NPT Short	RBB-3/4-16x 1/8-SH	RBB-3/4-16x 1/8-SH-SS	RBB-3/4-16x 1/8-SH-316SS	RBB-3/4-16x 1/8-SH-AL	RBB-3/4-16x 1/8-SH-NP	3/4	7/8
3/4-16	1/4	RBB-3/4-16x 1/4	RBB-3/4-16x 1/4-SS	RBB-3/4-16x 1/4-316SS	RBB-3/4-16x 1/4-AL	RBB-3/4-16x 1/4-NP	1	7/8
3/4-16	1/4 NPT Short	RBB-3/4-16x 1/4-SH	RBB-3/4-16x 1/4-SH-SS	RBB-3/4-16x 1/4-SH-316SS	RBB-3/4-16x 1/4-SH-AL	RBB-3/4-16x 1/4-SH-NP	3/4	7/8
3/4-20	1/8 NPT	RBB-3/4-20x1/8	RBB-3/4-20x 1/8-SS	RBB-3/4-20x 1/8-316SS	RBB-3/4-20x 1/8-AL	RBB-3/4-20x 1/8-NP	1	7/8
3/4-20	1/8 NPT Short	RBB-3/4-20x 1/8-SH	RBB-3/4-20x 1/8-SH-SS	RBB-3/4-20x 1/8-SH-316SS	RBB-3/4-20x 1/8-SH-AL	RBB-3/4-20x 1/8-SH-NP	3/4	7/8
3/4-20	1/4	RBB-3/4-20x1/4	RBB-3/4-20x 1/4-SS	RBB-3/4-20x 1/4-316SS	RBB-3/4-20x 1/4-AL	RBB-3/4-20x 1/4-NP	1	7/8
3/4-20	1/4 NPT Short	RBB-3/4-20x 1/4-SH	RBB-3/4-20x 1/4-SH-SS	RBB-3/4-20x 1/4-SH-316SS	RBB-3/4-20x 1/4-SH-AL	RBB-3/4-20x 1/4-SH-NP	3/4	7/8
1-14	3/8 NPT	RBB-1-14x 3/8	RBB-1-14x 3/8-SS	RBB-1-14x 3/8-316SS	RBB-1-14x 3/8-AL	RBB-1-14x 3/8-NP	1.320	1 1/8
1-14	3/8 NPT Short	RBB-1-14x 3/8-SH	RBB-1-14x 3/8-SH-SS	RBB-1-14x 3/8-SH-316SS	RBB-1-14x 3/8-SH-AL	RBB-1-14x 3/8-SH-NP	1.070	1 1/8
1 1/8-14	1/2 NPT	RBB-1 1/8-14x1/2	RBB-1 1/8-14x 1/2-SS	RBB-1 1/8-14x 1/2-316SS	RBB-1 1/8-14x 1/2-AL	RBB-1 1/8-14x 1/2-NP	1 1/2	1 1/4



Supplied with Lockwasher & Nut or All-in-One Combination!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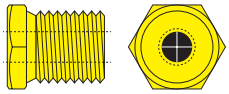
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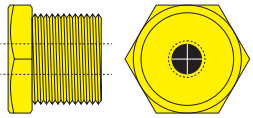
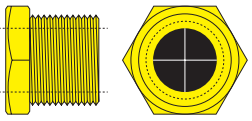

RBB-15/32-32x10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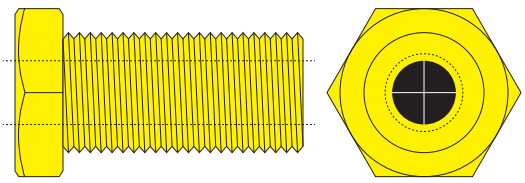
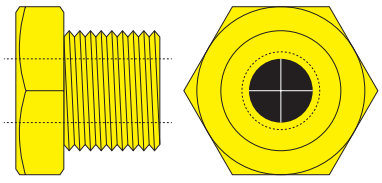
NOTE: SH = Short
= Short Thread Length


RBB-5/8-18x1/8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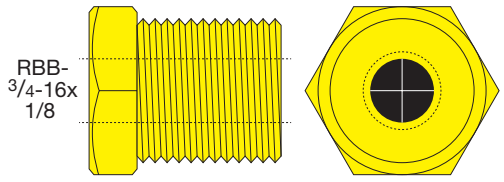
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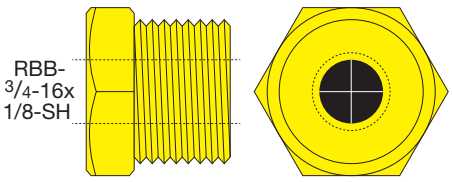
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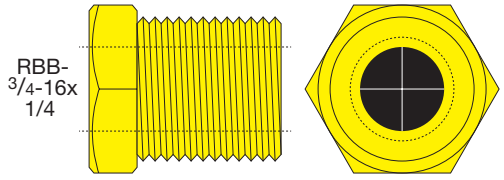
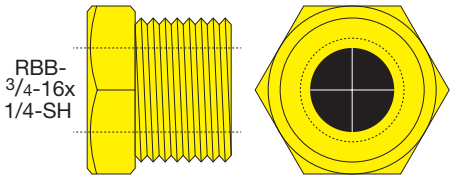

RBB-3/4-16x 1/4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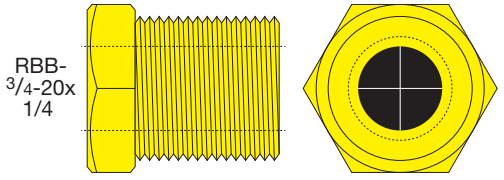
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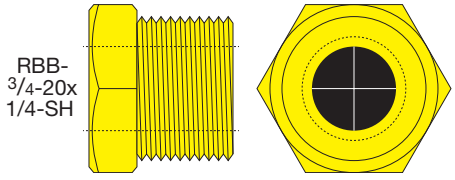
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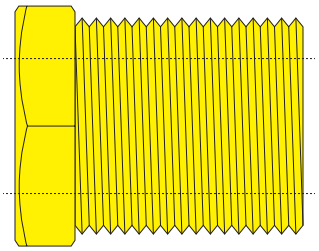
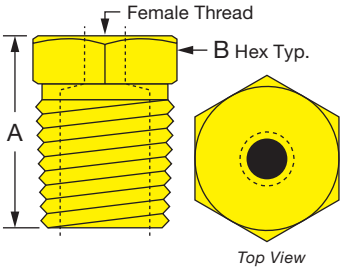
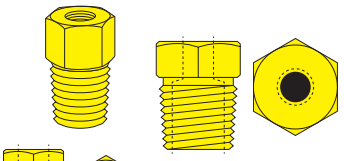

RBB-1 1/8-14x1/8

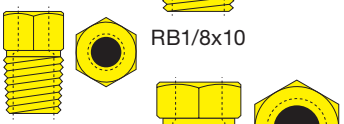
Note: *Images are for visual representation only.*

Z

Standard Male to Standard Female Reducing Bushings 690




RB1/8x10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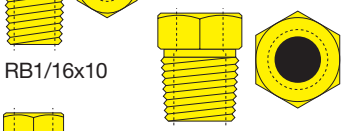
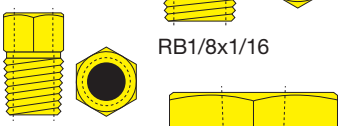
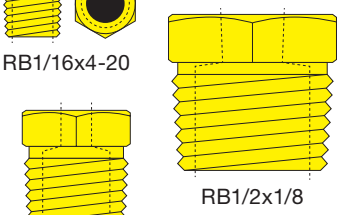
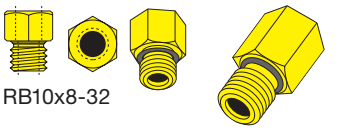

RB1/8x1/16

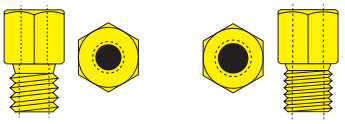

RB1/16x4-20


RB1/2x1/8

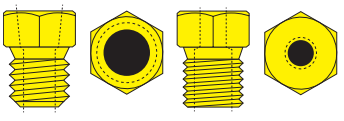
RB1/4x10

10-32, 1/4-20, 1/4-28, 5/16-18, and 5/16-24 male thread Reducing Bushings are supplied with Fibre Gaskets!


RB10x8-32


RB4-20x8-32

RB4-28x10

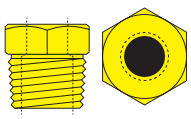

RB5/16-18x1/16

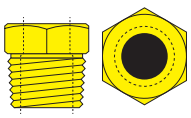
RB5/16-24x8-32

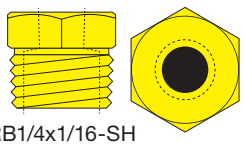
Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Typ.
10-32	8-32	RB10x8-32	7/16	1/4
1/4-20	8-32	RB4-20x8-32	17/32	5/16
1/4-20	10-32	RB4-20x10	17/32	5/16
1/4-28	8-32	RB4-28x8-32	17/32	5/16
1/4-28	10-32	RB4-28x10	17/32	5/16
1/4-28	1/4-20	RB4-28x4-20	9/16	3/8
5/16-18	8-32	RB5/16-18x8-32	9/16	3/8
5/16-18	10-32	RB5/16-18x10	9/16	3/8
5/16-18	1/4-20	RB5/16-18x4-20	9/16	3/8
5/16-18	1/4-28	RB5/16-18x4-28	9/16	3/8
5/16-18	1/16	RB5/16-18x1/16	9/16	3/8
5/16-24	8-32	RB5/16-24x8-32	9/16	3/8
5/16-24	10-32	RB5/16-24x10	9/16	3/8
5/16-24	1/4-20	RB5/16-24x4-20	9/16	3/8
5/16-24	1/4-28	RB5/16-24x4-28	9/16	3/8
5/16-24	5/16-18	RB5/16-24x5/16-18	9/16	3/8
5/16-24	1/16	RB5/16-24x1/16	9/16	3/8
1/16	8-32	RB1/16x8-32	17/32	5/16
1/16	10-32	RB1/16x10	17/32	5/16
1/16	1/4-20	RB1/16x4-20	13/16	5/16
1/16	1/4-28	RB1/16x4-28	13/16	5/16
1/8	8-32	RB1/8x8-32	9/16	7/16
1/8	10-32	RB1/8x10	9/16	7/16
1/8	1/4-20	RB1/8x4-20	9/16	7/16
1/8	1/4-28	RB1/8x4-28	9/16	7/16
1/8	5/16-18	RB1/8x5/16-18	9/16	7/16
1/8	5/16-24	RB1/8x5/16-24	9/16	7/16

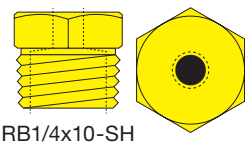
Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Typ.
1/8	1/16	RB1/8x1/16	9/16	7/16
1/4	8-32	RB1/4x8-32	3/4	9/16
1/4	10-32	RB1/4x10	3/4	9/16
1/4	1/4-20	RB1/4x4-20	3/4	9/16
1/4	1/4-28	RB1/4x4-28	3/4	9/16
1/4	5/16-18	RB1/4x5/16-18	3/4	9/16
1/4	5/16-24	RB1/4x5/16-24	3/4	9/16
1/4	1/16	RB1/4x1/16	3/4	9/16
1/4	1/8	RB1/4x1/8	3/4	9/16
3/8	1/16	RB3/8x1/16	13/16	7/8
3/8	1/8	RB3/8x1/8	13/16	7/8
3/8	1/4	RB3/8x1/4	13/16	7/8
1/2	1/16	RB1/2x1/16	13/16	7/8
1/2	1/8	RB1/2x1/8	13/16	7/8
1/2	1/4	RB1/2x1/4	13/16	7/8
1/2	3/8	RB1/2x3/8	13/16	7/8
3/4	1/16	RB3/4x1/16	1	1 1/16
3/4	1/8	RB3/4x1/8	1	1 1/16
3/4	1/4	RB3/4x1/4	1	1 1/16
3/4	3/8	RB3/4x3/8	1	1 1/16
3/4	1/2	RB3/4x1/2	1	1 1/16
1	1/16	RB1x1/16	1 1/4	1 3/8
1	1/8	RB1x1/8	1 1/4	1 3/8
1	1/4	RB1x1/4	1 1/4	1 3/8
1	3/8	RB1x3/8	1 1/4	1 3/8
1	1/2	RB1x1/2	1 1/4	1 3/8
1	3/4	RB1x3/4	1 1/4	1 3/8

Reducing Bushings are also available with short threads! Consult factory for details!


RB1/8x4-28-SH


RB1/8x1/16-SH


RB1/4x1/16-SH


RB1/4x10-SH

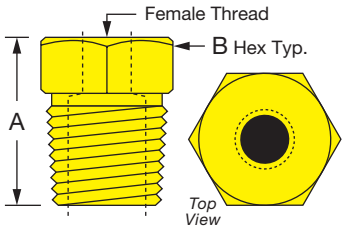
O-Ring options are available for straight threads! O-Ring options are listed on page 65!

Unless otherwise specified, parts will be Brass. To order other materials, add the following codes to the end of the part number:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -AL = Aluminum 6061-T6 -NP = Electroless Nickel Plate

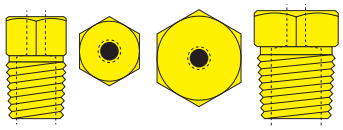
691 Standard Male to Metric Female Reducing Bushings

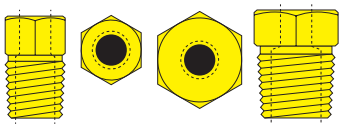
Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Typ.
8-32	M3	RB8-32xM3	9/32	1/4
10-32	M3	RB10xM3	9/32	1/4
1/4-20	M3	RB4-20xM3	17/32	5/16
1/4-20	M5	RB4-20xM5	17/32	5/16
1/4-20	M6x.75	RB4-20xM6x.75	17/32	5/16
1/4-20	M6x1	RB4-20xM6x1	17/32	5/16
1/4-28	M3	RB4-28xM3	17/32	5/16
1/4-28	M5	RB4-28xM5	17/32	5/16
1/4-28	M6x.75	RB4-28xM6x.75	17/32	5/16
1/4-28	M6x1	RB4-28xM6x1	17/32	5/16
1/16	M3	RB1/16xM3	17/32	5/16
1/16	M5	RB1/16xM5	17/32	5/16
1/16	M6x.75	RB1/16xM6x.75	17/32	5/16
1/16	M6x1	RB1/16xM6x1	17/32	5/16

Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Typ.
1/8	M3	RB1/8xM3	9/16	7/16
1/8	M5	RB1/8xM5	9/16	7/16
1/8	M6x.75	RB1/8xM6x.75	9/16	7/16
1/8	M6x1	RB1/8xM6x1	9/16	7/16
1/8	M8x.75	RB1/8xM8x.75	27/32	7/16
1/8	M8x1	RB1/8xM8x1	27/32	7/16
1/8	M8x 1.25	RB1/8xM8x1.25	27/32	7/16
1/4	M3	RB1/4xM3	3/4	9/16
1/4	M5	RB1/4xM5	3/4	9/16
1/4	M6x.75	RB1/4xM6x.75	3/4	9/16
1/4	M6x1	RB1/4xM6x1	3/4	9/16
1/4	M8x.75	RB1/4xM8x.75	3/4	9/16
1/4	M8x1	RB1/4xM8x1	3/4	9/16
1/4	M8x 1.25	RB1/4xM8x1.25	3/4	9/16



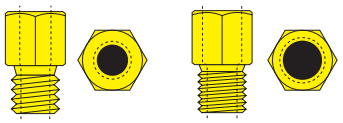
Note: *Dimensions may vary at time of manufacturing. Consult factory for details!*


RB1/16xM3 RB1/8xM3

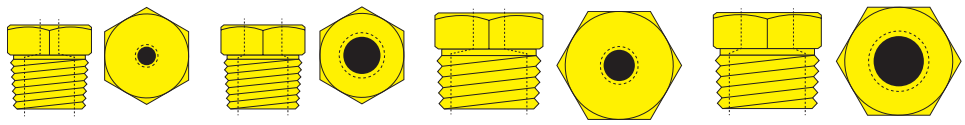

RB1/16xM5 RB1/8xM5

8-32, 10-32, 1/4-20, & 1/4-28 Male Threads are supplied with Fibre Gaskets! See page 65!


RB 8-32x M3 RB 10xM3


RB4-20xM5 RB4-28xM6x.75

Reducing Bushings available with short threads! Consult factory for details!

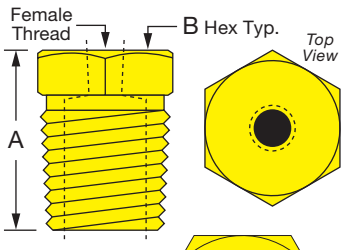

RB1/8xM3-SH RB1/8xM6x1-SH RB1/4xM5-SH RB1/4xM8x1-SH

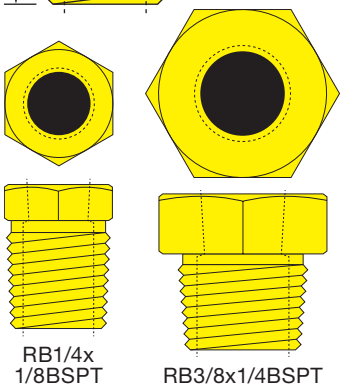
692 Standard Male to BSPT Female Reducing Bushings

Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Typ.
1/8	1/16 BSPT	RB1/8x1/16BSPT	9/16	7/16
1/4	1/16 BSPT	RB1/4x1/16BSPT	3/4	9/16
1/4	1/8 BSPT	RB1/4x1/8BSPT	3/4	9/16
3/8	1/16 BSPT	RB3/8x1/16BSPT	15/16	7/8
3/8	1/8 BSPT	RB3/8x1/8BSPT	15/16	7/8
3/8	1/4 BSPT	RB3/8x1/4BSPT	15/16	7/8
1/2	1/16 BSPT	RB1/2x1/16BSPT	15/16	7/8
1/2	1/8 BSPT	RB1/2x1/8BSPT	15/16	7/8
1/2	1/4 BSPT	RB1/2x1/4BSPT	15/16	7/8
1/2	3/8 BSPT	RB1/2x3/8BSPT	15/16	7/8

Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Typ.
3/4	1/16 BSPT	RB3/4x1/16BSPT	1	1 1/8
3/4	1/8 BSPT	RB3/4x1/8BSPT	1	1 1/8
3/4	1/4 BSPT	RB3/4x1/4BSPT	1	1 1/8
3/4	3/8 BSPT	RB3/4x3/8BSPT	1	1 1/8
3/4	1/2 BSPT	RB3/4x1/2BSPT	1	1 1/8
1	1/16 BSPT	RB1x1/16BSPT	1 1/4	1 3/8
1	1/8 BSPT	RB1x1/8BSPT	1 1/4	1 3/8
1	1/4 BSPT	RB1x1/4BSPT	1 1/4	1 3/8
1	3/8 BSPT	RB1x3/8BSPT	1 1/4	1 3/8
1	1/2 BSPT	RB1x1/2BSPT	1 1/4	1 3/8
1	3/4 BSPT	RB1x3/4BSPT	1 1/4	1 3/8

Note: *Images are for visual representation only; not intended for measurements. Dimensions may vary at time of manufacturing.*

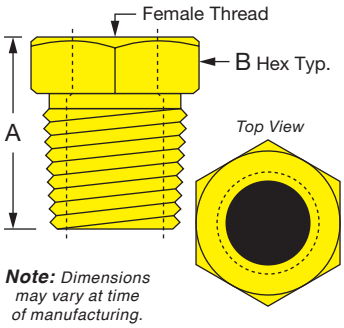



RB1/4x 1/8BSPT RB3/8x1/4BSPT

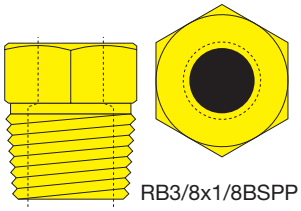
A2

Unless otherwise specified, parts will be Brass. To order other materials, add the following codes to the end of the part number:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -AL = Aluminum 6061-T6 -NP = Electroless Nickel Plate

Standard Male to BSPP Female Reducing Bushings 693

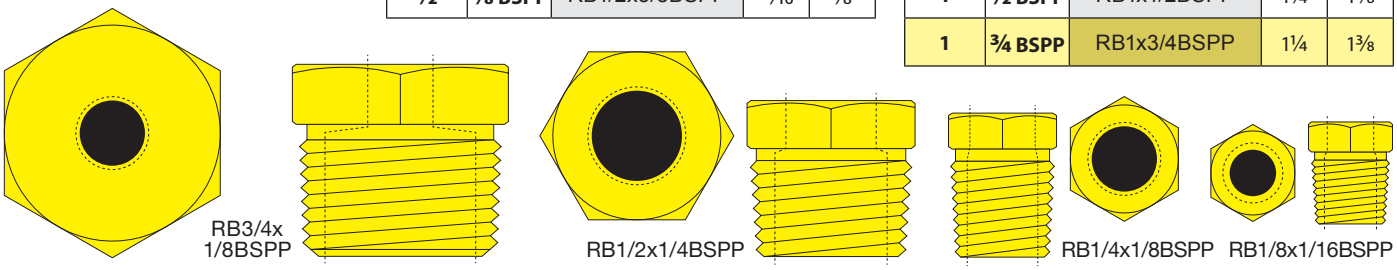


Note: *Dimensions may vary at time of manufacturing.*

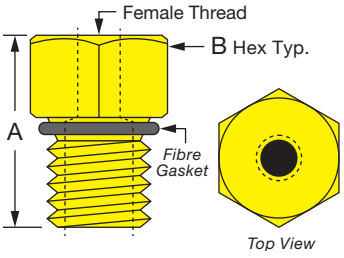

RB3/8x1/8BSPP

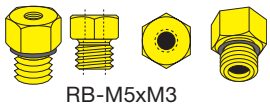
Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Typ.
1/8	1/16 BSPP	RB1/8x1/16BSPP	9/16	7/16
1/4	1/16 BSPP	RB1/4x1/16BSPP	3/4	9/16
1/4	1/8 BSPP	RB1/4x1/8BSPP	3/4	9/16
3/8	1/16 BSPP	RB3/8x1/16BSPP	13/16	11/16
3/8	1/8 BSPP	RB3/8x1/8BSPP	13/16	11/16
3/8	1/4 BSPP	RB3/8x1/4BSPP	13/16	11/16
1/2	1/16 BSPP	RB1/2x1/16BSPP	13/16	7/8
1/2	1/8 BSPP	RB1/2x1/8BSPP	13/16	7/8
1/2	1/4 BSPP	RB1/2x1/4BSPP	13/16	7/8
1/2	3/8 BSPP	RB1/2x3/8BSPP	13/16	7/8

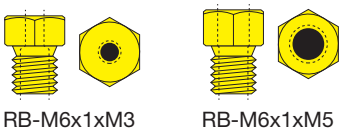
Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Typ.
3/4	1/16 BSPP	RB3/4x1/16BSPP	1	1 1/8
3/4	1/8 BSPP	RB3/4x1/8BSPP	1	1 1/8
3/4	1/4 BSPP	RB3/4x1/4BSPP	1	1 1/8
3/4	3/8 BSPP	RB3/4x3/8BSPP	1	1 1/8
3/4	1/2 BSPP	RB3/4x1/2BSPP	1	1 1/8
1	1/16 BSPP	RB1x1/16BSPP	1 1/4	1 3/8
1	1/8 BSPP	RB1x1/8BSPP	1 1/4	1 3/8
1	1/4 BSPP	RB1x1/4BSPP	1 1/4	1 3/8
1	3/8 BSPP	RB1x3/8BSPP	1 1/4	1 3/8
1	1/2 BSPP	RB1x1/2BSPP	1 1/4	1 3/8
1	3/4 BSPP	RB1x3/4BSPP	1 1/4	1 3/8



Metric Male to Metric Female Reducing Bushings with Fibre Gasket Supplied 694



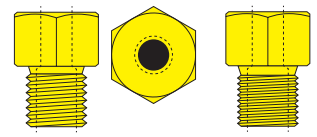

RB-M5xM3

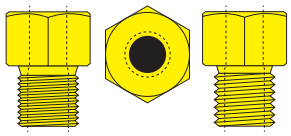

RB-M6x1xM3 RB-M6x1xM5

Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Typ.
M5	M3	RB-M5xM3	9/32	1/4
M6x.75	M3	RB-M6x.75xM3	13/32	5/16
M6x.75	M5	RB-M6x.75xM5	17/32	5/16
M6x1	M3	RB-M6x1xM3	13/32	5/16
M6x1	M5	RB-M6x1xM5	17/32	5/16
M8x.75	M3	RB-M8x.75xM3	19/32	7/16
M8x.75	M5	RB-M8x.75xM5	19/32	7/16
M8x.75	M6x.75	RB-M8x.75xM6x.75	19/32	7/16
M8x.75	M6x1	RB-M8x.75xM6x1	19/32	7/16

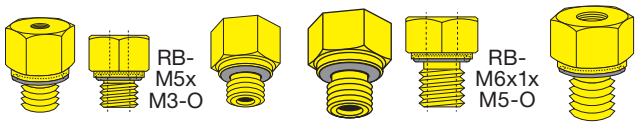
Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Typ.
M8x1	M3	RB-M8x1xM3	19/32	7/16
M8x1	M5	RB-M8x1xM5	19/32	7/16
M8x1	M6x.75	RB-M8x1xM6x.75	19/32	7/16
M8x1	M6x1	RB-M8x1xM6x1	19/32	7/16
M8x 1.25	M3	RB-M8x1.25xM3	19/32	7/16
M8x 1.25	M5	RB-M8x1.25xM5	19/32	7/16
M8x 1.25	M6x.75	RB-M8x1.25xM6x.75	13/32	7/16
M8x 1.25	M6x1	RB-M8x1.25xM6x1	19/32	7/16

M4, M7, & M10 Thread options also available!


RB-M8x1x M5 RB-M8x.75x M5


RB-M8x.75x M6x1 RB-M8x1x M6x1

O-Ring options available! See page 65 for material options!



Unless otherwise specified, parts will be Brass. To order other materials, add the following codes to the end of the part number:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -AL = Aluminum 6061-T6 -NP = Electroless Nickel Plate

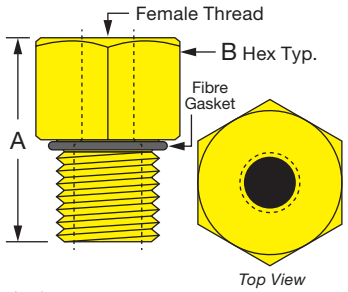
A2

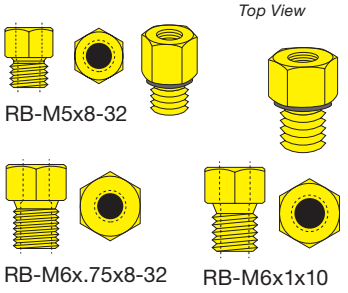
695 Metric Male to Standard Female Reducing Bushings with Fibre Gasket Supplied

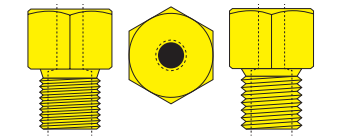
Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Typ.
M5	8-32	RB-M5x8-32	7/16	1/4
M5	10-32	RB-M5x10	7/16	1/4
M6x.75	8-32	RB-M6x.75x8-32	17/32	5/16
M6x.75	10-32	RB-M6x.75x10	17/32	5/16
M6x1	8-32	RB-M6x1x8-32	17/32	5/16
M6x1	10-32	RB-M6x1x10	17/32	5/16
M8x.75	8-32	RB-M8x.75x8-32	17/32	7/16
M8x.75	10-32	RB-M8x.75x10	17/32	7/16
M8x.75	1/4-20	RB-M8x.75x4-20	17/32	7/16
M8x.75	1/4-28	RB-M8x.75x4-28	17/32	7/16
M8x.75	1/16	RB-M8x.75x1/16	17/32	7/16

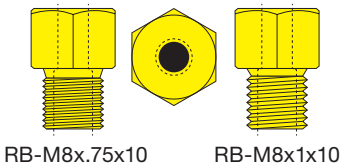
Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Typ.
M8x1	8-32	RB-M8x1x8-32	17/32	7/16
M8x1	10-32	RB-M8x1x10	17/32	7/16
M8x1	1/4-20	RB-M8x1x4-20	17/32	7/16
M8x1	1/4-28	RB-M8x1x4-28	17/32	7/16
M8x1	1/16	RB-M8x1x1/16	17/32	7/16
M8x 1.25	8-32	RB-M8x1.25x8-32	17/32	7/16
M8x 1.25	10-32	RB-M8x1.25x10	17/32	7/16
M8x 1.25	1/4-20	RB-M8x1.25x4-20	17/32	7/16
M8x 1.25	1/4-28	RB-M8x1.25x4-28	17/32	7/16
M8x 1.25	1/16	RB-M8x1.25x1/16	17/32	7/16

M4, M7, & M10 Thread options also available!

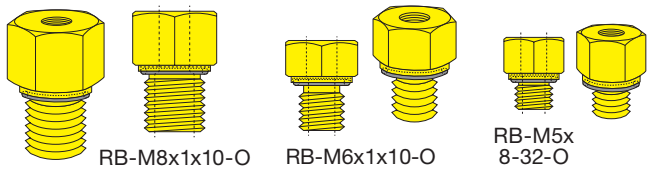




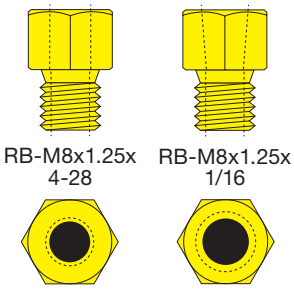




Metric Reducing Bushings available with O-Rings!



Buna-N is standard. See page 65 for other options!

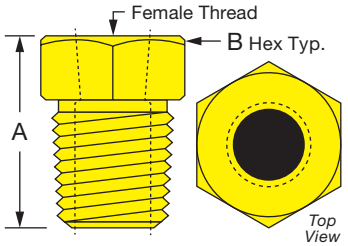


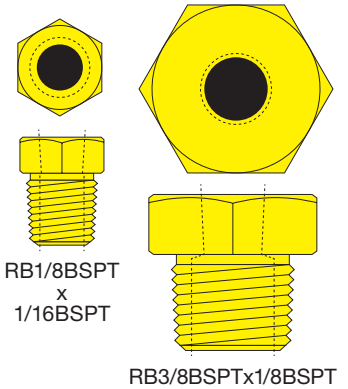
696 BSPT Male to BSPT Female Reducing Bushings

Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Typ.
1/8 BSPT	1/16 BSPT	RB1/8BSPTx 1/16BSPT	9/16	7/16
1/4 BSPT	1/16 BSPT	RB1/4BSPTx 1/16BSPT	3/4	9/16
1/4 BSPT	1/8 BSPT	RB1/4BSPTx 1/8BSPT	3/4	9/16
3/8 BSPT	1/16 BSPT	RB3/8BSPTx 1/16BSPT	13/16	7/8
3/8 BSPT	1/8 BSPT	RB3/8BSPTx 1/8BSPT	13/16	7/8
3/8 BSPT	1/4 BSPT	RB3/8BSPTx 1/4BSPT	13/16	7/8
1/2 BSPT	1/16 BSPT	RB1/2BSPTx 1/16BSPT	13/16	7/8
1/2 BSPT	1/8 BSPT	RB1/2BSPTx 1/8BSPT	13/16	7/8
1/2 BSPT	1/4 BSPT	RB1/2BSPTx 1/4BSPT	13/16	7/8
1/2 BSPT	3/8 BSPT	RB1/2BSPTx 3/8BSPT	13/16	7/8

Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Typ.
3/4 BSPT	1/16 BSPT	RB3/4BSPTx 1/16BSPT	1	1 1/8
3/4 BSPT	1/8 BSPT	RB3/4BSPTx 1/8BSPT	1	1 1/8
3/4 BSPT	1/4 BSPT	RB3/4BSPTx 1/4BSPT	1	1 1/8
3/4 BSPT	3/8 BSPT	RB3/4BSPTx 3/8BSPT	1	1 1/8
3/4 BSPT	1/2 BSPT	RB3/4BSPTx 1/2BSPT	1	1 1/8
1 BSPT	1/16 BSPT	RB1BSPTx 1/16BSPT	1 1/4	1 3/8
1 BSPT	1/8 BSPT	RB1BSPTx 1/8BSPT	1 1/4	1 3/8
1 BSPT	1/4 BSPT	RB1BSPTx 1/4BSPT	1 1/4	1 3/8
1BSPT	3/8 BSPT	RB1BSPTx 3/8BSPT	1 1/4	1 3/8
1 BSPT	1/2 BSPT	RB1BSPTx 1/2BSPT	1 1/4	1 3/8
1 BSPT	3/4 BSPT	RB1BSPTx 3/4BSPT	1 1/4	1 3/8

Note: *Images are for visual representation only; not intended for measurements. Dimensions may vary at time of manufacturing.*

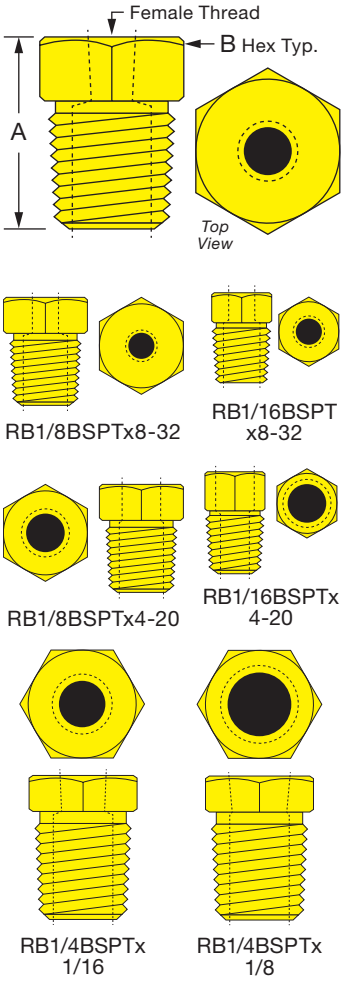




A2

Unless otherwise specified, parts will be Brass. To order other materials, add the following codes to the end of the part number:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -AL = Aluminum 6061-T6 -NP = Electroless Nickel Plate

BSPT Male to Standard Female Reducing Bushings 697

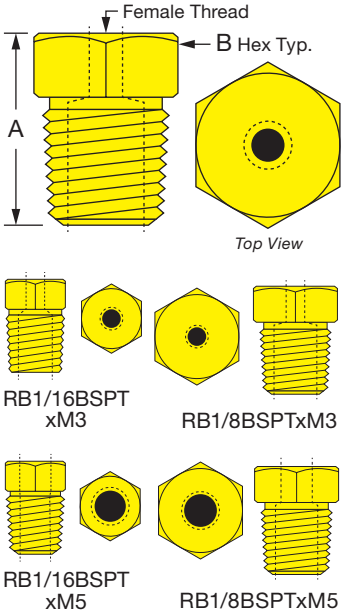


Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Typ.
1/16 BSPT	8-32	RB1/16BSPTx 8-32	17/32	5/16
1/16 BSPT	10-32	RB1/16BSPTx10	17/32	5/16
1/16 BSPT	1/4-20	RB1/16BSPTx 4-20	17/32	5/16
1/16 BSPT	1/4-28	RB1/16BSPTx 4-28	17/32	5/16
1/8 BSPT	8-32	RB1/8BSPTx 8-32	9/16	7/16
1/8 BSPT	10-32	RB1/8BSPTx10	9/16	7/16
1/8 BSPT	1/4-20	RB1/8BSPTx4-20	9/16	7/16
1/8 BSPT	1/4-28	RB1/8BSPTx4-28	9/16	7/16
1/8 BSPT	5/16-18	RB1/8BSPTx 5/16-18	9/16	7/16
1/8 BSPT	5/16-24	RB1/8BSPTx 5/16-24	9/16	7/16
1/8 BSPT	1/16	RB1/8BSPTx1/16	9/16	7/16
1/4 BSPT	8-32	RB1/4BSPTx8-32	3/4	9/16
1/4 BSPT	10-32	RB1/4BSPTx10	3/4	9/16
1/4 BSPT	1/4-20	RB1/4BSPTx4-20	3/4	9/16
1/4 BSPT	1/4-28	RB1/4BSPTx4-28	3/4	9/16
1/4 BSPT	5/16-18	RB1/4BSPTx 5/16-18	3/4	9/16
1/4 BSPT	5/16-24	RB1/4BSPTx 5/16-24	3/4	9/16
1/4 BSPT	1/16	RB1/4BSPTx1/16	3/4	9/16
1/4 BSPT	1/8	RB1/4BSPTx1/8	3/4	9/16

Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Typ.
3/8 BSPT	1/16	RB3/8BSPTx1/16	13/16	7/8
3/8 BSPT	1/8	RB3/8BSPTx1/8	13/16	7/8
3/8 BSPT	1/4	RB3/8BSPTx1/4	13/16	7/8
1/2 BSPT	1/16	RB1/2BSPTx1/16	13/16	7/8
1/2 BSPT	1/8	RB1/2BSPTx1/8	13/16	7/8
1/2 BSPT	1/4	RB1/2BSPTx1/4	13/16	7/8
1/2 BSPT	3/8	RB1/2BSPTx3/8	13/16	7/8
3/4 BSPT	1/16	RB3/4BSPTx1/16	1	1 1/8
3/4 BSPT	1/8	RB3/4BSPTx1/8	1	1 1/8
3/4 BSPT	1/4	RB3/4BSPTx1/4	1	1 1/8
3/4 BSPT	3/8	RB3/4BSPTx3/8	1	1 1/8
3/4 BSPT	1/2	RB3/4BSPTx1/2	1	1 1/8
1 BSPT	1/16	RB1BSPTx1/16	1 1/4	1 3/8
1 BSPT	1/8	RB1BSPTx1/8	1 1/4	1 3/8
1 BSPT	1/4	RB1BSPTx1/4	1 1/4	1 3/8
1 BSPT	3/8	RB1BSPTx3/8	1 1/4	1 3/8
1 BSPT	1/2	RB1BSPTx1/2	1 1/4	1 3/8
1 BSPT	3/4	RB1BSPTx3/4	1 1/4	1 3/8

Note: *Images are for visual representation only; not intended for measurements. Dimensions may vary at time of manufacturing.*

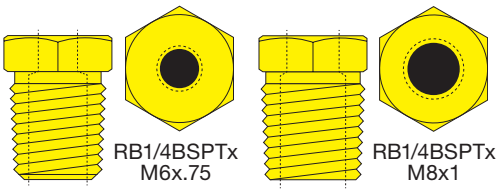
BSPT Male to Metric Female Reducing Bushings 698



Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Typ.
1/16 BSPT	M3	RB1/16BSPTxM3	17/32	5/16
1/16 BSPT	M5	RB1/16BSPTxM5	17/32	5/16
1/8 BSPT	M3	RB1/8BSPTxM3	9/16	7/16
1/8 BSPT	M5	RB1/8BSPTxM5	9/16	7/16
1/8 BSPT	M6x.75	RB1/8BSPTx M6x.75	9/16	7/16
1/8 BSPT	M6x1	RB1/8BSPTx M6x1	9/16	7/16
1/8 BSPT	M8x.75	RB1/8BSPTx M8x.75	9/16	7/16
1/8 BSPT	M8x1	RB1/8BSPTx M8x1	9/16	7/16
1/8 BSPT	M8x 1.25	RB1/8BSPTx M8x1.25	9/16	7/16

Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Typ.
1/4 BSPT	M3	RB1/4BSPTxM3	3/4	9/16
1/4 BSPT	M5	RB1/4BSPTxM5	3/4	9/16
1/4 BSPT	M6x.75	RB1/4BSPTx M6x.75	3/4	9/16
1/4 BSPT	M6x1	RB1/4BSPTx M6x1	3/4	9/16
1/4 BSPT	M8x.75	RB1/4BSPTx M8x.75	3/4	9/16
1/4 BSPT	M8x1	RB1/4BPTxM8x1	3/4	9/16
1/4 BSPT	M8x 1.25	RB1/4BSPTx M8x1.25	3/4	9/16

M4 & M7 Thread options available! Consult factory for details!

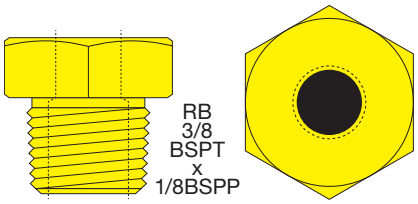


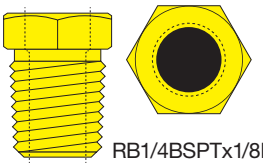
Unless otherwise specified, parts will be Brass. To order other materials, add the following codes to the end of the part number:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -AL = Aluminum 6061-T6 -NP = Electroless Nickel Plate

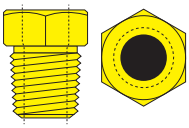
699 BSPT Male to BSPP Female Reducing Bushings

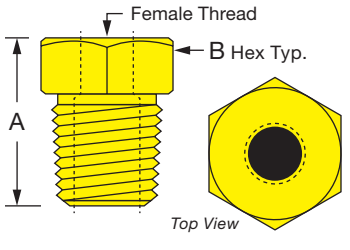
Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Typ.
1/8 BSPT	1/16 BSPP	RB1/8BSPTx 1/16BSPP	9/16	7/16
1/4 BSPT	1/16 BSPP	RB1/4BSPTx 1/16BSP	3/4	9/16
1/4 BSPT	1/8 BSPP	RB1/4BSPTx 1/8BSPP	3/4	9/16
3/8 BSPT	1/16 BSPP	RB3/8BSPTx 1/16BSPP	13/16	7/8
3/8 BSPT	1/8 BSPP	RB3/8BSPTx 1/8BSPP	13/16	7/8
3/8 BSPT	1/4 BSPP	RB3/8BSPTx 1/4BSPP	13/16	7/8
1/2 BSPT	1/16 BSPP	RB1/2BSPTx 1/16BSPP	13/16	7/8
1/2 BSPT	1/8 BSPP	RB1/2BSPTx 1/8BSPP	13/16	7/8
1/2 BSPT	1/4 BSPP	RB1/2BSPTx 1/4BSPP	13/16	7/8
1/2 BSPT	3/8 BSPP	RB1/2BSPTx 3/8BSPP	13/16	7/8

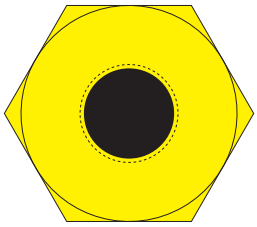
Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Typ.
3/4 BSPT	1/16 BSPP	RB3/4BSPTx 1/16BSPP	1	1 1/8
3/4 BSPT	1/8 BSPP	RB3/4BSPTx 1/8BSPP	1	1 1/8
3/4 BSPT	1/4 BSPP	RB3/4BSPTx 1/4BSPP	1	1 1/8
3/4 BSPT	3/8 BSPP	RB3/4BSPTx 3/8BSPP	1	1 1/8
3/4 BSPT	1/2 BSPP	RB3/4BSPTx 1/2BSPP	1	1 1/8
1 BSPT	1/16 BSPP	RB1BSPTx 1/16BSPP	1 1/4	1 3/8
1 BSPT	1/8 BSPP	RB1BSPTx 1/8BSPP	1 1/4	1 3/8
1 BSPT	1/4 BSPP	RB1BSPTx 1/4BSPP	1 1/4	1 3/8
1BSPT	3/8 BSPP	RB1BSPTx 3/8BSPP	1 1/4	1 3/8
1 BSPT	1/2 BSPP	RB1BSPTx 1/2BSPP	1 1/4	1 3/8
1 BSPT	3/4 BSPP	RB1BSPTx 3/4BSPP	1 1/4	1 3/8

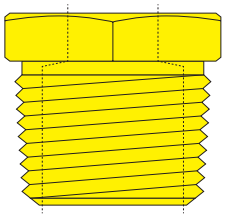



RB1/4BSPTx1/8BSPP


RB1/8BSPTx1/16BSPP





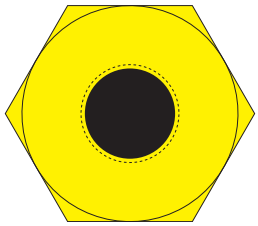

RB3/4BSPTx1/4BSPP

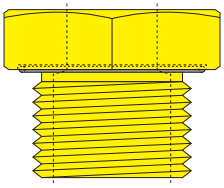
Note: *Images are for visual representation only. Dimensions may vary at time of manufacturing.*

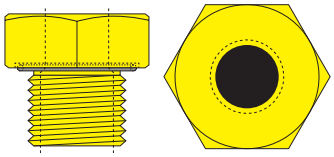
700 BSPP Male to BSPP Female Reducing Bushings

Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Typ.
1/8 BSPP	1/16 BSPP	RB1/8BSPPx 1/16BSPP	39/64	5/8
1/4 BSPP	1/16 BSPP	RB1/4BSPPx 1/16BSPP	3/4	11/16
1/4 BSPP	1/8 BSPP	RB1/4BSPPx 1/8BSPP	.690	3/4
3/8 BSPP	1/16 BSPP	RB3/8BSPPx 1/16BSPP	13/16	1
3/8 BSPP	1/8 BSPP	RB3/8BSPPx 1/8BSPP	.700	1
3/8 BSPP	1/4 BSPP	RB3/8BSPPx 1/4BSPP	1 1/4	1
1/2 BSPP	1/16 BSPP	RB1/2BSPPx 1/16BSPP	1 1/8	1 1/8
1/2 BSPP	1/8 BSPP	RB1/2BSPPx 1/8BSPP	.860	1 1/8
1/2 BSPP	1/4 BSPP	RB1/2BSPPx 1/4BSPP	.880	1 1/8
1/2 BSPP	3/8 BSPP	RB1/2BSPPx 3/8BSPP	1 1/4	1 1/8

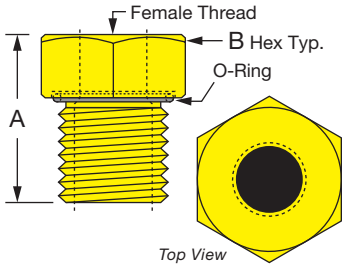
Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Typ.
3/4 BSPP	1/16 BSPP	RB3/4BSPPx 1/16BSPP	15/16	1 1/4
3/4 BSPP	1/8 BSPP	RB3/4BSPPx 1/8BSPP	15/16	1 1/4
3/4 BSPP	1/4 BSPP	RB3/4BSPPx 1/4BSPP	.910	1 1/4
3/4 BSPP	3/8 BSPP	RB3/4BSPPx 3/8BSPP	1 1/4	1 1/4
3/4 BSPP	1/2 BSPP	RB3/4BSPPx 1/2BSPP	.920	1 1/4
1 BSPP	1/16 BSPP	RB1BSPPx 1/16BSPP	1 1/4	1 5/8
1 BSPP	1/8 BSPP	RB1BSPPx 1/8BSPP	1 1/4	1 5/8
1 BSPP	1/4 BSPP	RB1BSPPx 1/4BSPP	1 1/4	1 5/8
1BSPP	3/8 BSPP	RB1BSPPx 3/8BSPP	1 1/4	1 5/8
1 BSPP	1/2 BSPP	RB1BSPPx 1/2BSPP	1 1/4	1 5/8
1 BSPP	3/4 BSPP	RB1BSPPx 3/4BSPP	1 1/4	1 5/8

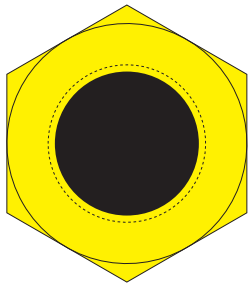


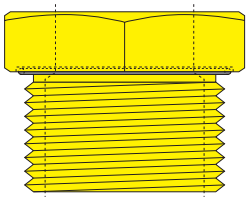

RB1/2BSPPx1/4BSPP


RB1/4BSPPx1/8BSPP

O-Ring material options listed on page 65!



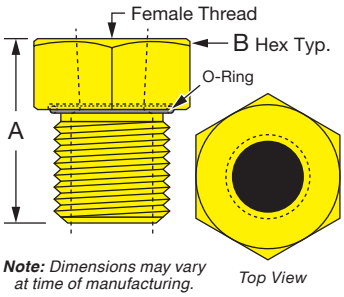



RB3/4BSPPx1/2BSPP

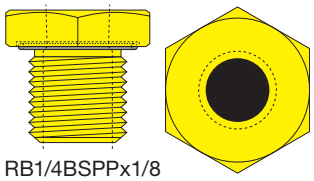
A2

Unless otherwise specified, parts will be Brass. To order other materials, add the following codes to the end of the part number:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -AL = Aluminum 6061-T6 -NP = Electroless Nickel Plate

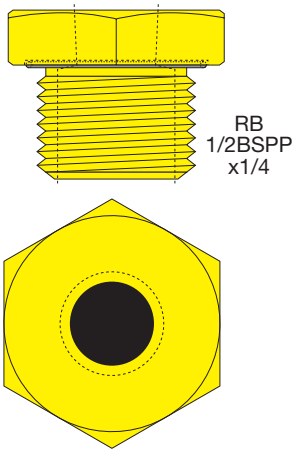
BSPP Male to Standard Female Reducing Bushings 701



Note: Dimensions may vary at time of manufacturing.



RB1/4BSPPx1/8



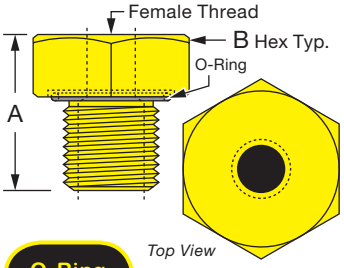
RB 1/2BSPP x1/4

Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Typ.
1/16 BSPP	8-32	RB1/16BSPPx8-32	9/16	7/16
1/16 BSPP	10-32	RB1/16BSPPx10	9/16	7/16
1/16 BSPP	1/4-20	RB1/16BSPPx4-20	9/16	7/16
1/16 BSPP	1/4-28	RB1/16BSPPx4-28	9/16	7/16
1/8 BSPP	8-32	RB1/8BSPPx8-32	5/8	5/8
1/8 BSPP	10-32	RB1/8BSPPx10	5/8	5/8
1/8 BSPP	1/4-20	RB1/8BSPPx4-20	5/8	5/8
1/8 BSPP	1/4-28	RB1/8BSPPx4-28	5/8	5/8
1/8 BSPP	5/16-18	RB1/8BSPPx5/16-18	5/8	5/8
1/8 BSPP	5/16-24	RB1/8BSPPx5/16-24	5/8	5/8
1/8 BSPP	1/16	RB1/8BSPPx1/16	39/64	5/8
1/4 BSPP	8-32	RB1/4BSPPx8-32	3/4	11/16
1/4 BSPP	10-32	RB1/4BSPPx10	3/4	11/16
1/4 BSPP	1/4-20	RB1/4BSPPx4-20	3/4	11/16
1/4 BSPP	1/4-28	RB1/4BSPPx4-28	3/4	11/16
1/4 BSPP	5/16-18	RB1/4BSPPx5/16-18	3/4	11/16
1/4 BSPP	5/16-24	RB1/4BSPPx5/16-24	3/4	11/16
1/4 BSPP	1/16	RB1/4BSPPx1/16	.690	11/16
1/4 BSPP	1/8	RB1/4BSPPx1/8	.690	3/4

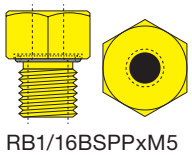
Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Typ.
3/8 BSPP	1/16	RB3/8BSPPx1/16	13/16	1
3/8 BSPP	1/8	RB3/8BSPPx1/8	.700	1
3/8 BSPP	1/4	RB3/8BSPPx1/4	1 1/4	1
1/2 BSPP	1/16	RB1/2BSPPx1/16	1 1/8	1 1/8
1/2 BSPP	1/8	RB1/2BSPPx1/8	.860	1 1/8
1/2 BSPP	1/4	RB1/2BSPPx1/4	.880	1 1/8
1/2 BSPP	3/8	RB1/2BSPPx3/8	1 1/4	1 1/8
3/4 BSPP	1/16	RB3/4BSPPx1/16	15/16	1 1/4
3/4 BSPP	1/8	RB3/4BSPPx1/8	15/16	1 1/4
3/4 BSPP	1/4	RB3/4BSPPx1/4	.910	1 1/4
3/4 BSPP	3/8	RB3/4BSPPx3/8	1 1/4	1 1/4
3/4 BSPP	1/2	RB3/4BSPPx1/2	.920	1 1/4
1 BSPP	1/16	RB1BSPPx1/16	1 1/4	1 5/8
1 BSPP	1/8	RB1BSPPx1/8	1 1/4	1 5/8
1 BSPP	1/4	RB1BSPPx1/4	1 1/4	1 5/8
1 BSPP	3/8	RB1BSPPx3/8	1 1/4	1 5/8
1 BSPP	1/2	RB1BSPPx1/2	1 1/4	1 5/8
1 BSPP	3/4	RB1BSPPx3/4	1 1/4	1 5/8

O-Ring material options listed on page 65!

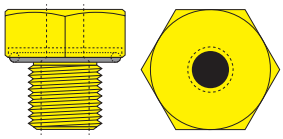
BSPP Male to Metric Female Reducing Bushings 702



O-Ring material options listed on page 65!



RB1/16BSPPxM5

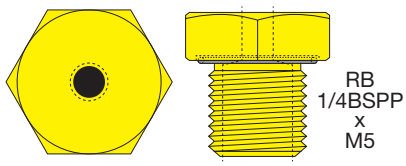


RB1/8BSPPxM6x1

Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Typ.
1/16 BSPP	M3	RB1/16BSPPxM3	9/16	7/16
1/16 BSPP	M5	RB1/16BSPPxM5	9/16	7/16
1/8 BSPP	M3	RB1/8BSPPxM3	5/8	5/8
1/8 BSPP	M5	RB1/8BSPPxM5	5/8	5/8
1/8 BSPP	M6x.75	RB1/8BSPPx M6x.75	5/8	5/8
1/8 BSPP	M6x1	RB1/8BSPPxM6x1	5/8	5/8
1/8 BSPP	M8x.75	RB1/8BSPPx M8x.75	5/8	5/8
1/8 BSPP	M8x1	RB1/8BSPPxM8x1	5/8	5/8
1/8 BSPP	M8x 1.25	RB1/8BSPPx M8x1.25	5/8	5/8

Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Typ.
1/4 BSPP	M3	RB1/4BSPPxM3	3/4	11/16
1/4 BSPP	M5	RB1/4BSPPxM5	3/4	11/16
1/4 BSPP	M6x.75	RB1/4BSPPx M6x.75	3/4	11/16
1/4 BSPP	M6x1	RB1/4BSPPxM6x1	3/4	11/16
1/4 BSPP	M8x.75	RB1/4BSPPx M8x.75	3/4	11/16
1/4 BSPP	M8x1	RB1/4BPTxM8x1	3/4	11/16
1/4 BSPP	M8x 1.25	RB1/4BSPPx M8x1.25	3/4	11/16

M4 & M7 Thread options also available! Consult factory for details!



RB 1/4BSPP x M5

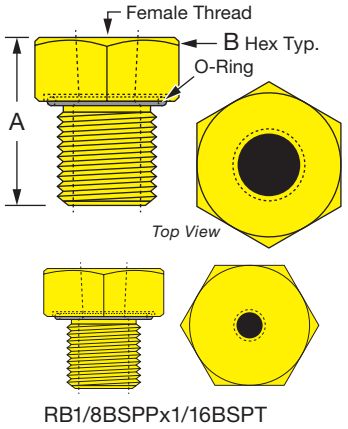
Unless otherwise specified, parts will be Brass. To order other materials, add the following codes to the end of the part number:
-SS = Stainless Steel 303 **-316SS =** Stainless Steel 316 **-AL =** Aluminum 6061-T6 **-NP =** Electroless Nickel Plate

703 BSPP Male to BSPT Female Reducing Bushings

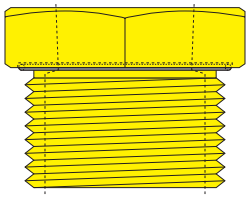
Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Typ.
1/8 BSPP	1/16 BSPT	RB1/8BSPPx 1/16BSPT	39/64	5/8
1/4 BSPP	1/16 BSPT	RB1/4BSPPx 1/16BSPT	3/4	11/16
1/4 BSPP	1/8 BSPT	RB1/4BSPPx 1/8BSPT	.690	3/4
3/8 BSPP	1/16 BSPT	RB3/8BSPPx 1/16BSPT	13/16	1
3/8 BSPP	1/8 BSPT	RB3/8BSPPx 1/8BSPT	.700	1
3/8 BSPP	1/4 BSPT	RB3/8BSPPx 1/4BSPT	1 1/4	1
1/2 BSPP	1/16 BSPP	RB1/2BSPPx 1/16BSPT	1 1/8	1 1/8
1/2 BSPP	1/8 BSPT	RB1/2BSPPx 1/8BSPP	.860	1 1/8
1/2 BSPP	1/4 BSPT	RB1/2BSPPx 1/4BSPT	.880	1 1/8
1/2 BSPP	3/8 BSPT	RB1/2BSPPx 3/8BSPT	1 1/4	1 1/8

Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Typ.
3/4 BSPP	1/16 BSPT	RB3/4BSPPx 1/16BSPT	15/16	1 1/4
3/4 BSPP	1/8 BSPT	RB3/4BSPPx 1/8BSPT	15/16	1 1/4
3/4 BSPP	1/4 BSPT	RB3/4BSPPx 1/4BSPPT	.910	1 1/4
3/4 BSPP	3/8 BSPT	RB3/4BSPPx 3/8BSPT	1 1/4	1 1/4
3/4 BSPP	1/2 BSPT	RB3/4BSPPx 1/2BSPT	.920	1 1/4
1 BSPP	1/16 BSPT	RB1BSPPx 1/16BSPT	1 1/4	1 5/8
1 BSPP	1/8 BSPT	RB1BSPPx 1/8BSPT	1 1/4	1 5/8
1 BSPP	1/4 BSPT	RB1BSPPx 1/4BSPT	1 1/4	1 5/8
1BSPP	3/8 BSPT	RB1BSPPx 3/8BSPT	1 1/4	1 5/8
1 BSPP	1/2 BSPT	RB1BSPPx 1/2BSPT	1 1/4	1 5/8
1 BSPP	3/4 BSPT	RB1BSPPx 3/4BSPT	1 1/4	1 5/8

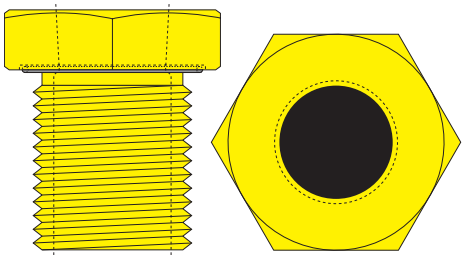
O-Ring material options listed on page 65!



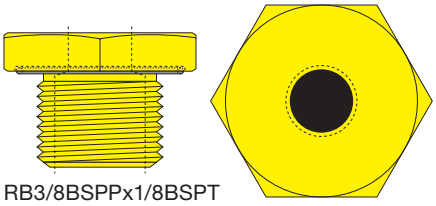
RB1/8BSPPx1/16BSPT



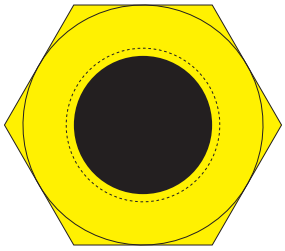
RB3/4BSPPx1/2BSPT



RB1/2BSPPx3/8BSPT



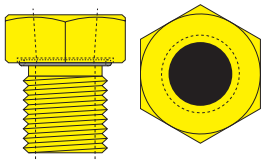
RB3/8BSPPx1/8BSPT



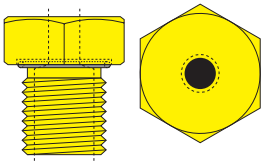
Note: *Images are for visual representation only; not intended for measurements. Dimensions may vary at time of manufacturing.*

Unless otherwise specified, parts will be Brass. To order other materials, add the following codes to the end of the part number:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -AL = Aluminum 6061-T6 -NP = Electroless Nickel Plate

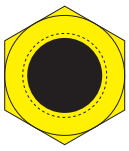
SAE Standard thread options also available! Consult factory for details & specifications!

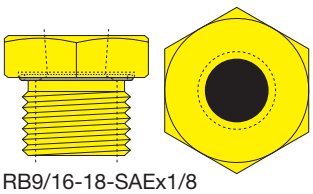


RB7/16-20-SAEx1/8

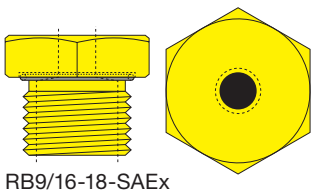


RB7/16-20-SAExM5

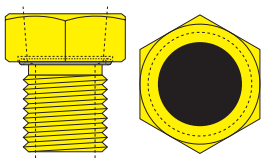




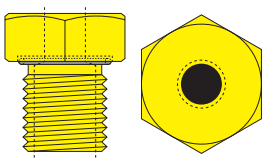
RB9/16-18-SAEx1/8



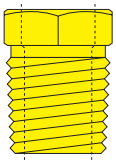
RB9/16-18-SAEx M6x1



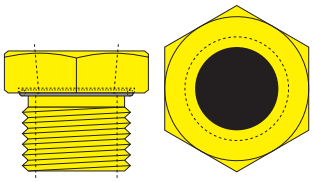
RB7/16-20-SAEx1/4



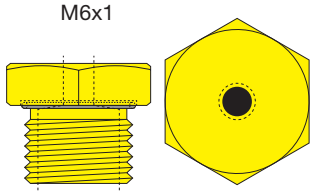
RB7/16-20-SAEx4-28



RB1/4x 7/16-20-SAE



RB9/16-18-SAEx1/4



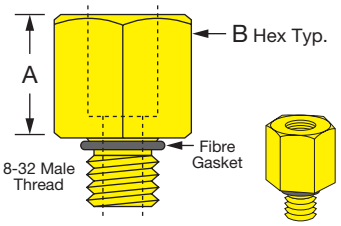
RB9/16-18-SAEx10-32

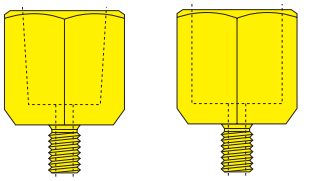
SAE Standard male threads are supplied with Buna-N O-Rings. Other O-Ring material options are listed on page 65!

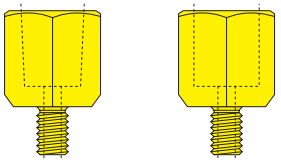
Lead times & minimum quantities apply! Consult factory for details!

Other Male Thread to Female Thread fittings listed on the following pages, in the Adapters section of this catalog!

8-32 Male to Female Thread Adapters with Fibre Gasket Supplied — 704

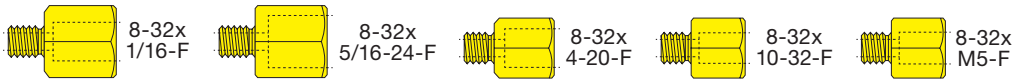



8-32x1/4BSPT-F 8-32x1/4BSPP-F

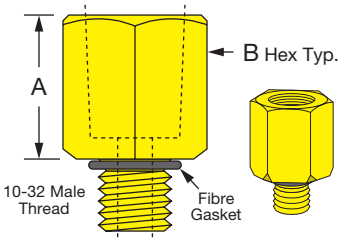

8-32x1/8BSPT-F 8-32x1/8BSPP-F

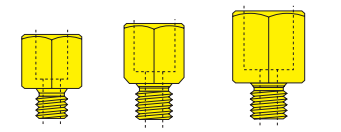
Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Typ.
8-32	10-32	8-32x10-32-F	9/32	5/16
8-32	1/4-20	8-32x4-20-F	5/16	5/16
8-32	1/4-28	8-32x4-28-F	5/16	5/16
8-32	1/16	8-32x1/16-F	3/8	3/8
8-32	5/16-18	8-32x5/16-18-F	3/8	3/8
8-32	5/16-24	8-32x5/16-24-F	3/8	3/8
8-32	1/8	8-32x1/8-F	1/2	1/2
8-32	1/4	8-32x1/4-F	19/32	5/8
8-32	M5	8-32xM5-F	9/32	5/16
8-32	M6x.75	8-32xM6x.75-F	9/32	5/16

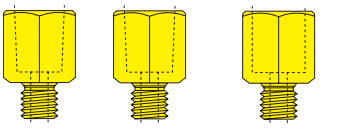
Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Typ.
8-32	M6x1	8-32xM6x1-F	9/32	5/16
8-32	M8x.75	8-32xM8x.75-F	1/2	1/2
8-32	M8x1	8-32xM8x1-F	1/2	1/2
8-32	M8x1.25	8-32xM8x1.25-F	1/2	1/2
8-32	1/16 BSPT	8-32x1/16BSPT-F	1/2	1/2
8-32	1/8 BSPT	8-32x1/8BSPT-F	1/2	1/2
8-32	1/4 BSPT	8-32x1/4BSPT-F	19/32	5/8
8-32	1/16 BSPP	8-32x1/16BSPP-F	1/2	1/2
8-32	1/8 BSPP	8-32x1/8BSPP-F	1/2	1/2
8-32	1/4 BSPP	8-32x1/4BSPP-F	19/32	5/8

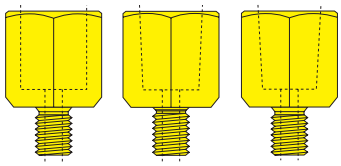


10-32 Male to Female Thread Adapters with Fibre Gasket Supplied — 705




10-32x M5-F 10-32x 4-28-F 10-32x 5/16-18-F

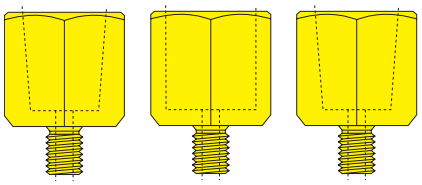

10-32x 1/16-F 10-32x 1/16BSPT-F 10-32x 1/16BSPP-F


10-32x 1/8BSPP-F 10-32x 1/8-F 10-32x 1/8BSPT-F

Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Typ.
10-32	1/4-20	10-32x4-20-F	5/16	5/16
10-32	1/4-28	10-32x4-28-F	5/16	5/16
10-32	1/16	10-32x1/16-F	3/8	3/8
10-32	5/16-18	10-32x5/16-18-F	3/8	3/8
10-32	5/16-24	10-32x5/16-24-F	3/8	3/8
10-32	1/8	10-32x1/8-F	1/2	1/2
10-32	1/4	10-32x1/4-F	19/32	5/8
10-32	M5	10-32xM5-F	9/32	5/16
10-32	M6x.75	10-32xM6x.75-F	9/32	3/8
10-32	M6x1	10-32xM6x1-F	9/32	5/16

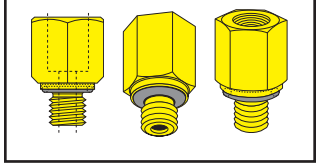
Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Typ.
10-32	M8x.75	10-32xM8x.75-F	1/2	1/2
10-32	M8x1	10-32xM8x1-F	1/2	1/2
10-32	M8x1.25	10-32xM8x1.25-F	1/2	1/2
10-32	1/16 BSPT	10-32x1/16BSPT-F	1/2	1/2
10-32	1/8 BSPT	10-32x1/8BSPT-F	1/2	1/2
10-32	1/4 BSPT	10-32x1/4BSPT-F	19/32	5/8
10-32	1/16 BSPP	10-32x1/16BSPP-F	1/2	1/2
10-32	1/8 BSPP	10-32x1/8BSPP-F	1/2	1/2
10-32	1/4 BSPP	10-32x1/4BSPP-F	19/32	5/8

Note: *Images are for visual representation only; not intended for measurements. Dimensions may vary at time of manufacturing.*


10-32x 1/4BSPT-F 10-32x 1/4BSPP-F 10-32x 1/4-F

SAE Standard, M4, M7, M10, and other thread options available! Lead times and minimum quantities apply! Consult factory for details!

O-Ring options available!



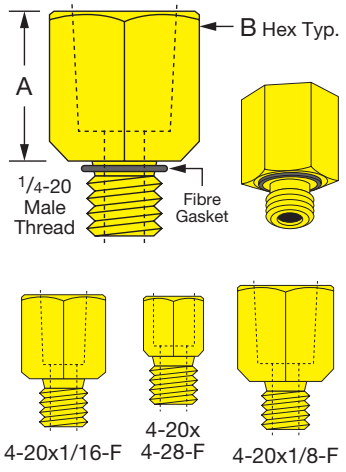
Unless otherwise specified, parts will be Brass. To order other materials, add the following codes to the end of the part number:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -AL = Aluminum 6061-T6 -NP = Electroless Nickel Plate

706 4-20 (1/4-20) Male to Female Thread Adapters with Fibre Gasket Supplied

Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Typ.
1/4-20	1/4-28	4-20x4-28-F	5/16	5/16
1/4-20	1/16	4-20x1/16-F	7/16	7/16
1/4-20	5/16-18	4-20x5/16-18-F	7/16	7/16
1/4-20	5/16-24	4-20x5/16-24-F	7/16	7/16
1/4-20	1/8	4-20x1/8-F	1/2	1/2
1/4-20	1/4	4-20x1/4-F	19/32	5/8
1/4-20	M8x.75	4-20xM8x.75-F	1/2	1/2
1/4-20	M8x1	4-20xM8x1-F	1/2	1/2

Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Typ.
1/4-20	M8x1.25	4-20xM8x1.25-F	1/2	1/2
1/4-20	1/16 BSPT	4-20x1/16BSPT-F	7/16	7/16
1/4-20	1/8 BSPT	4-20x1/8BSPT-F	1/2	1/2
1/4-20	1/4 BSPT	4-20x1/4BSPT-F	19/32	5/8
1/4-20	1/16 BSPP	4-20x1/16BSPP-F	5/16	7/16
1/4-20	1/8 BSPP	4-20x1/8BSPP-F	1/2	1/2
1/4-20	1/4 BSPP	4-20x1/4BSPP-F	19/32	5/8

Material options listed on previous page!



707 4-28 (1/4-28) Male to Female Thread Adapters with Fibre Gasket Supplied

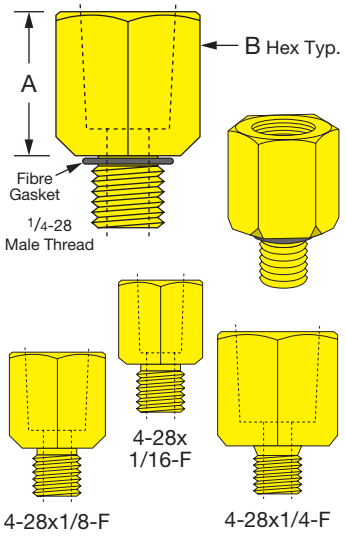
Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Typ.
1/4-28	1/16	4-28x1/16-F	7/16	7/16
1/4-28	5/16-18	4-28x5/16-18-F	7/16	7/16
1/4-28	5/16-24	4-28x5/16-24-F	7/16	7/16
1/4-28	1/8	4-28x1/8-F	1/2	1/2
1/4-28	1/4	4-28x1/4-F	19/32	5/8
1/4-28	M8x.75	4-28xM8x.75-F	1/2	1/2
1/4-28	M8x1	4-28xM8x1-F	1/2	1/2
1/4-28	M8x1.25	4-28xM8x1.25-F	1/2	1/2

Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Typ.
1/4-28	1/16 BSPT	4-28x1/16BSPT-F	7/16	7/16
1/4-28	1/8 BSPT	4-28x1/8BSPT-F	1/2	1/2
1/4-28	1/4 BSPT	4-28x1/4BSPT-F	19/32	5/8
1/4-28	1/16 BSPP	4-28x1/16BSPP-F	7/16	7/16
1/4-28	1/8 BSPP	4-28x1/8BSPP-F	1/2	1/2
1/4-28	1/16 BSPP	4-28x1/16BSPP-F	1/2	1/2

Other female thread sizes available!

Material options listed on previous page!

O-Ring options available! O-Ring materials listed on page 65! Consult factory for details!



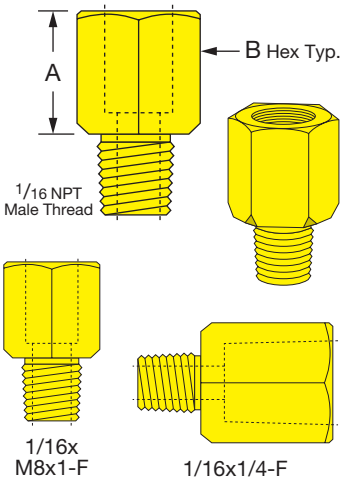
708 1/16 NPT Male to Female Thread Adapters

B2

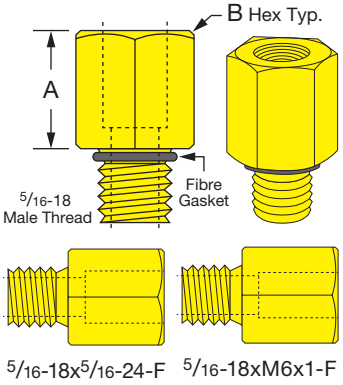
Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Typ.
1/16	5/16-18	1/16x5/16-18-F	1/2	1/2
1/16	5/16-24	1/16x5/16-24-F	1/2	1/2
1/16	1/8	1/16x1/8-F	1/2	1/2
1/16	1/4	1/16x1/4-F	11/16	5/8
1/16	M6x.75	1/16xM6x.75-F	9/32	5/16
1/16	M6x1	1/16xM6x1-F	9/32	5/16
1/16	M8x.75	1/16xM8x.75-F	1/2	1/2
1/16	M8x1	1/16xM8x1-F	1/2	1/2

Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Typ.
1/16	M8x1.25	1/16xM8x1.25-F	1/2	1/2
1/16	1/16 BSPT	1/16x1/16BSPT-F	1/2	1/2
1/16	1/8 BSPT	1/16x1/8BSPT-F	1/2	1/2
1/16	1/4 BSPT	1/16x1/4BSPT-F	19/32	5/8
1/16	1/16 BSPP	1/16x1/16BSPP-F	1/2	1/2
1/16	1/8 BSPP	1/16x1/8BSPP-F	1/2	1/2
1/16	1/4 BSPP	1/16x1/4BSPP-F	19/32	5/8

Material options listed on previous page!



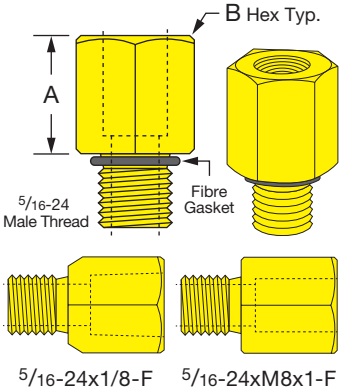
5/16-18 Male to Female Thread Adapters with Fibre Gasket Supplied — 709



Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Typ.
5/16-18	5/16-24	5/16-18x5/16-24-F	1/2	1/2
5/16-18	1/8	5/16-18x1/8-F	1/2	1/2
5/16-18	1/4	5/16-18x1/4-F	19/32	5/8
5/16-18	M6x.75	5/16-18xM6x.75-F	1/2	1/2
5/16-18	M6x1	5/16-18xM6x1-F	1/2	1/2
5/16-18	M8x.75	5/16-18xM8x.75-F	1/2	1/2

Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Typ.
5/16-18	M8x1	5/16-18xM8x1-F	1/2	1/2
5/16-18	M8x1.25	5/16-18xM8x1.25-F	1/2	1/2
5/16-18	1/8 BSPT	5/16-18x1/8BSPT-F	1/2	1/2
5/16-18	1/4 BSPT	5/16-18x1/4BSPT-F	19/32	5/8
5/16-18	1/8 BSPP	5/16-18x1/8BSPP-F	1/2	1/2
5/16-18	1/4 BSPP	5/16-18x1/4BSPP-F	19/32	5/8

5/16-24 Male to Female Thread Adapters with Fibre Gasket Supplied — 710

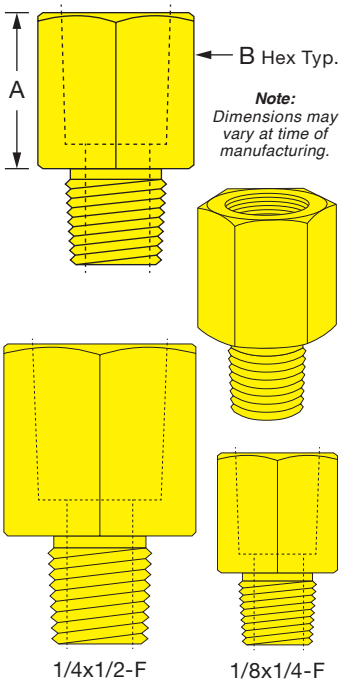


Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Typ.
5/16-24	1/8	5/16-24x1/8-F	1/2	1/2
5/16-24	1/4	5/16-24x1/4-F	19/32	5/8
5/16-24	M6x.75	5/16-24xM6x.75-F	9/32	5/16
5/16-24	M6x1	5/16-24xM6x1-F	9/32	5/16
5/16-24	M8x.75	5/16-24xM8x.75-F	1/2	1/2
5/16-24	M8x1	5/16-24xM8x1-F	1/2	1/2

Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Typ.
5/16-24	M8x1.25	5/16-24xM8x1.25-F	1/2	1/2
5/16-24	1/8 BSPT	5/16-24x1/8BSPT-F	1/2	1/2
5/16-24	1/4 BSPT	5/16-24x1/4BSPT-F	19/32	5/8
5/16-24	1/8 BSPP	5/16-24x1/8BSPP-F	1/2	1/2
5/16-24	1/4 BSPP	5/16-24x1/4BSPP-F	19/32	5/8

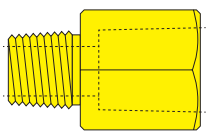
Note: *Images are for visual representation only; not intended for measurements. Dimensions may vary at time of manufacturing.*

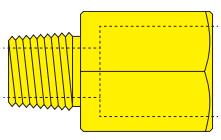
1/8 & 1/4 NPT Male to Female Thread Adapters — 711



Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Typ.
1/8	1/4	1/8x1/4-F	5/8	5/8
1/8	1/8 BSPT	1/8x1/8BSPT-F	1/2	1/2
1/8	1/4 BSPT	1/8x1/4BSPT-F	5/8	5/8
1/8	1/8 BSPP	1/8x1/8BSPP-F	1/2	1/2
1/8	1/4 BSPP	1/8x1/4BSPP-F	11/16	5/8
1/4	3/8	1/4x3/8-F	3/4	7/8
1/4	1/2	1/4x1/2-F	1	1
1/4	3/4	1/4x3/4-F	1	1 1/8
1/4	1	1/4x1-F	1 1/16	1 1/2

Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Typ.
1/4	1/4 BSPT	1/4x1/4BSPT-F	11/16	5/8
1/4	3/8 BSPT	1/4x3/8BSPT-F	3/4	7/8
1/4	1/2 BSPT	1/4x1/2BSPT-F	1	1
1/4	3/4 BSPT	1/4x3/4BSPT-F	1	1 1/8
1/4	1 BSPT	1/4x1BSPT-F	1 1/16	1 1/2
1/4	1/4 BSPP	1/4x1/4BSPP-F	11/16	5/8
1/4	3/8 BSPP	1/4x3/8BSPP-F	3/4	7/8
1/4	1/2 BSPP	1/4x1/2BSPP-F	1	1
1/4	3/4 BSPP	1/4x3/4BSPP-F	1	1 1/8
1/4	1 BSPP	1/4x1BSPP-F	1 1/16	1 1/2


1/8x1/4BSPT-F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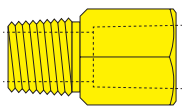
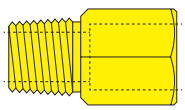

1/8x 1/8 BSPT-F

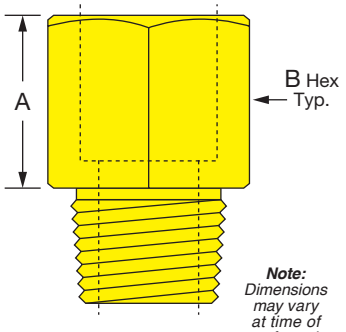

1/8x 1/8 BSPP-F

Unless otherwise specified, parts will be Brass. To order other materials, add the following codes to the end of the part number:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -AL = Aluminum 6061-T6 -NP = Electroless Nickel Plate

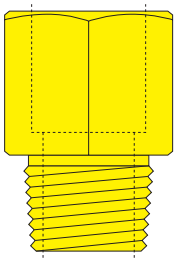
712 3/8, 1/2, 3/4, and 1 NPT Male to Female Thread Adapters

Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Typ.
3/8	1/2	3/8x1/2-F	1	1
3/8	3/4	3/8x3/4-F	1 1/8	1
3/8	1	3/8x1-F	1 1/2	1 1/16
3/8	3/8 BSPT	3/8x3/8BSPT-F	7/8	3/4
3/8	1/2 BSPT	3/8x1/2BSPT-F	1	1
3/8	3/4 BSPT	3/8x3/4BSPT-F	1 1/8	1
3/8	1 BSPT	3/8x1BSPT-F	1 1/2	1 1/16
3/8	3/8 BSPP	3/8x3/8BSPP-F	7/8	3/4
3/8	1/2 BSPP	3/8x1/2BSPP-F	1	1
3/8	3/4 BSPP	3/8x3/4BSPP-F	1 1/8	1
3/8	1 BSPP	3/8x1BSPP-F	1 1/2	1 1/16
1/2	3/4	1/2x3/4-F	1 1/8	1
1/2	1	1/2x1-F	1 1/2	1 1/16

Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Typ.
1/2	1/2 BSPT	1/2x1/2BSPT-F	1 1/8	1
1/2	3/4 BSPT	1/2x3/4BSPT-F	1 1/8	1
1/2	1 BSPT	1/2x1BSPT-F	1 1/2	1 1/16
1/2	1/2 BSPP	1/2x1/2BSPP-F	1 1/8	1
1/2	3/4 BSPP	1/2x3/4BSPP-F	1 1/8	1
1/2	1 BSPP	1/2x1BSPP-F	1 1/2	1 1/16
3/4	1	3/4x1-F	1 5/8	1 1/16
3/4	3/4 BSPT	3/4x3/4BSPT-F	1 1/8	1
3/4	1 BSPT	3/4x1BSPT-F	1 1/2	1 5/8
3/4	3/4 BSPP	3/4x3/4BSPP-F	1 1/8	1
3/4	1 BSPP	3/4x1BSPP-F	1 5/8	1 1/16
1	1 BSPT	1x1BSPT-F	1 1/2	1 1/16
1	1 BSPP	1x1BSPP-F	1 1/2	1 1/16

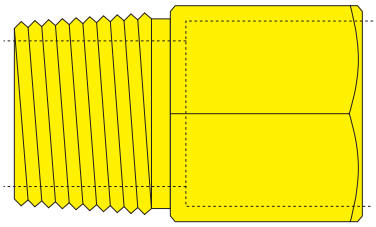


Note: Dimensions may vary at time of manufacturing.

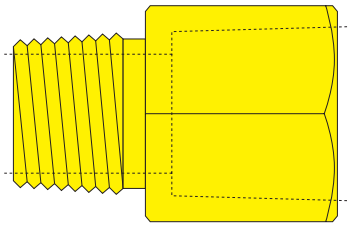


3/8x 3/8BSPP-F

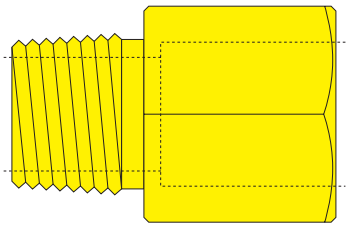
Material options listed on previous page!



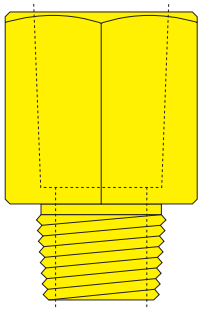
3/4x3/4BSPP-F



1/2x3/4-F



1/2x1/2BSPP-F



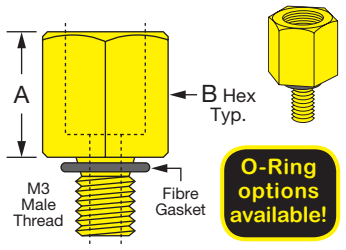
3/8x1/2-F

713 M3 Male to Female Thread Adapters with Fibre Gasket Supplied

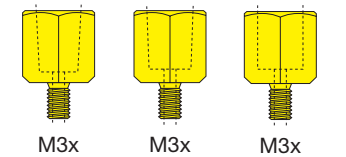
Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Typ.
M3	8-32	M3x8-32-F	1/4	1/4
M3	10-32	M3x10-32-F	1/4	1/4
M3	1/4-20	M3x4-20-F	9/32	5/16
M3	1/4-28	M3x4-28-F	9/32	5/16
M3	1/16	M3x1/16-F	5/16	7/16
M3	5/16-18	M3x5/16-18-F	1/2	1/2
M3	5/16-24	M3x5/16-24-F	1/2	1/2
M3	1/8	M3x1/8-F	1/2	1/2
M3	1/4	M3x1/4-F	19/32	5/8
M3	M5	M3xM5-F	1/4	1/4

Material options listed on previous page!

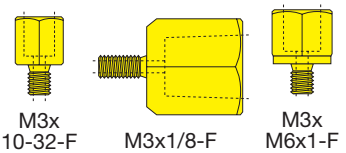
Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Typ.
M3	M6x.75	M3xM6x.75-F	9/32	5/16
M3	M6x1	M3xM6x1-F	9/32	5/16
M3	M8x.75	M3xM8x.75-F	1/2	1/2
M3	M8x1	M3xM8x1-F	1/2	1/2
M3	M8x1.25	M3xM8x1.25-F	1/2	1/2
M3	1/16 BSPT	M3x1/16BSPT-F	5/16	7/16
M3	1/8 BSPT	M3x1/8BSPT-F	1/2	1/2
M3	1/4 BSPT	M3x1/4BSPT-F	19/32	5/8
M3	1/16 BSPP	M3x1/16BSPP-F	5/16	7/16
M3	1/8 BSPP	M3x1/8BSPP-F	1/2	1/2
M3	1/4 BSPP	M3x1/4BSPP-F	19/32	5/8



O-Ring options available!

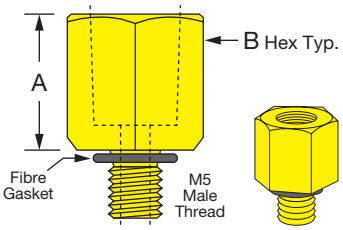


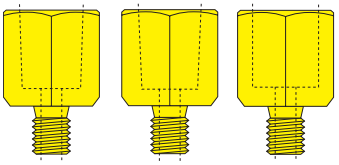
M3x 1/16BSPT-F | M3x 1/16-F | M3x 1/16BSPP-F

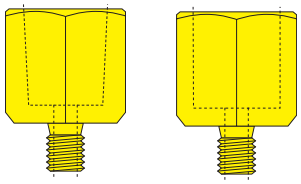


M3x 10-32-F | M3x1/8-F | M3x M6x1-F

M5 Male to Female Thread Adapters with Fibre Gasket Supplied 714



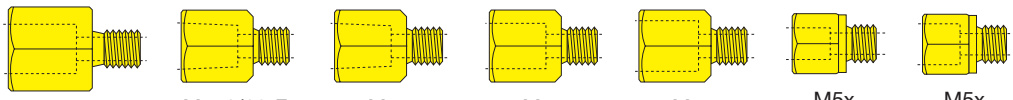




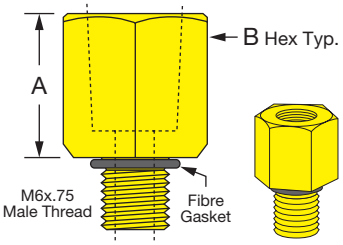
Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Typ.
M5	1/4-20	M5x4-20-F	9/32	3/8
M5	1/4-28	M5x4-28-F	9/32	3/8
M5	1/16	M5x1/16-F	5/16	7/16
M5	5/16-18	M5x5/16-18-F	1/2	1/2
M5	5/16-24	M5x5/16-24-F	1/2	1/2
M5	1/8	M5x1/8-F	1/2	1/2
M5	1/4	M5x1/4-F	19/32	5/8
M5	M6x.75	M5xM6x.75-F	9/32	5/16
M5	M6x1	M5xM6x1-F	9/32	5/16

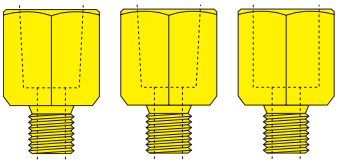
Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Typ.
M5	M8x.75	M5xM8x.75-F	1/2	1/2
M5	M8x1	M5xM8x1-F	1/2	1/2
M5	M8x1.25	M5xM8x1.25-F	1/2	1/2
M5	1/16 BSPT	M5x1/16BSPT-F	5/16	7/16
M5	1/8 BSPT	M5x1/8BSPT-F	1/2	1/2
M5	1/4 BSPT	M5x1/4BSPT-F	19/32	5/8
M5	1/16 BSPP	M5x1/16BSPP-F	5/16	7/16
M5	1/8 BSPP	M5x1/8BSPP-F	1/2	1/2
M5	1/4 BSPP	M5x1/4BSPP-F	19/32	5/8

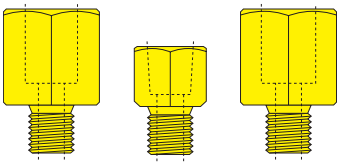
O-Ring options available! O-Ring materials listed on page 65! Consult factory for details!



M6x.75 Male to Female Thread Adapters with Fibre Gasket Supplied 715

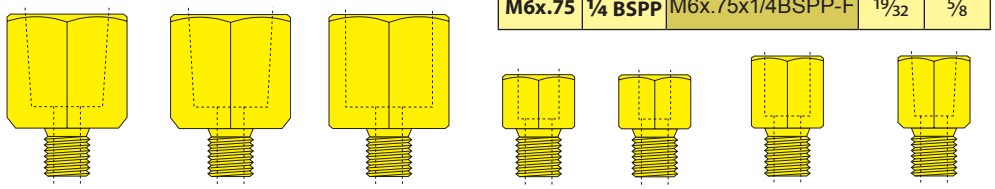






Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Typ.
M6x.75	1/4-20	M6x.75x4-20-F	9/32	3/8
M6x.75	1/4-28	M6x.75x4-28-F	9/32	3/8
M6x.75	1/16	M6x.75x1/16-F	5/16	7/16
M6x.75	5/16-18	M6x.75x5/16-18-F	1/2	1/2
M6x.75	5/16-24	M6x.75x5/16-24-F	1/2	1/2
M6x.75	1/8	M6x.75x1/8-F	1/2	1/2
M6x.75	1/4	M6x.75x1/4-F	19/32	5/8
M6x.75	M6x1	M6x.75xM6x1-F	9/32	3/8

Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Typ.
M6x.75	M8x.75	M6x.75xM8x.75-F	1/2	1/2
M6x.75	M8x1	M6x.75xM8x1-F	1/2	1/2
M6x.75	M8x1.25	M6x.75xM8x1.25-F	1/2	1/2
M6x.75	1/16 BSPT	M6x.75x1/16BSPT-F	5/16	7/16
M6x.75	1/8 BSPT	M6x.75x1/8BSPT-F	1/2	1/2
M6x.75	1/4 BSPT	M6x.75x1/4BSPT-F	19/32	5/8
M6x.75	1/16 BSPP	M6x.75x1/16BSPP-F	5/16	7/16
M6x.75	1/8 BSPP	M6x.75x1/8BSPP-F	1/2	1/2
M6x.75	1/4 BSPP	M6x.75x1/4BSPP-F	19/32	5/8



O-Ring seals available! See page 65 for O-ring material options!

SAE Threads available! Consult factory for details!

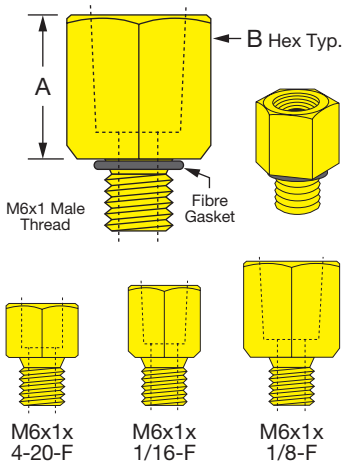
Other Metric options available, including: M4, M7, M10x.75, M10x1, M10x1.5, M12x1, M12x1.25, and M12x1.5! Consult factory for details!

Unless otherwise specified, parts will be Brass. To order other materials, add the following codes to the end of the part number:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -AL = Aluminum 6061-T6 -NP = Electroless Nickel Plate

716 M6x1 Male to Female Thread Adapters with Fibre Gasket Supplied

Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Typ.
M6x1	1/4-20	M6x1x4-20-F	9/32	3/8
M6x1	1/4-28	M6x1x4-28-F	9/32	3/8
M6x1	1/16	M6x1x1/16-F	5/16	7/16
M6x1	5/16-18	M6x1x5/16-18-F	9/16	1/2
M6x1	5/16-24	M6x1x5/16-24-F	9/16	1/2
M6x1	1/8	M6x1x1/8-F	1/2	1/2
M6x1	1/4	M6x1x1/4-F	19/32	5/8
M6x1	M8x.75	M6x1xM8x.75-F	1/2	1/2

Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Typ.
M6x1	M8x1	M6x1xM8x1-F	1/2	1/2
M6x1	M8x1.25	M6x1xM8x1.25-F	1/2	1/2
M6x1	1/16 BSPT	M6x1x1/16BSPT-F	5/16	7/16
M6x1	1/8 BSPT	M6x1x1/8BSPT-F	1/2	1/2
M6x1	1/4 BSPT	M6x1x1/4BSPT-F	19/32	5/8
M6x1	1/16 BSPP	M6x1x1/16BSPP-F	5/16	7/16
M6x1	1/8 BSPP	M6x1x1/8BSPP-F	1/2	1/2
M6x1	1/4 BSPP	M6x1x1/4BSPP-F	19/32	5/8

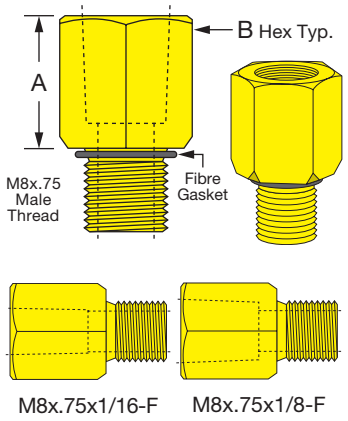


717 M8x.75 Male to Female Thread Adapters with Fibre Gasket Supplied

Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Typ.
M8x.75	1/16	M8x.75x1/16-F	1/2	1/2
M8x.75	5/16-18	M8x.75x5/16-18-F	1/2	1/2
M8x.75	5/16-24	M8x.75x5/16-24-F	1/2	1/2
M8x.75	1/8	M8x.75x1/8-F	1/2	1/2
M8x.75	1/4	M8x.75x1/4-F	19/32	5/8
M8x.75	M8x1	M8x.75xM8x1-F	1/2	1/2

Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Typ.
M8x.75	M8x1.25	M8x.75xM8x1.25-F	1/2	1/2
M8x.75	1/16 BSPT	M8x.75x 1/16BSPT-F	1/2	1/2
M8x.75	1/8 BSPT	M8x.75x1/8BSPT-F	1/2	1/2
M8x.75	1/4 BSPT	M8x.75x1/4BSPT-F	19/32	5/8
M8x.75	1/16 BSPP	M8x.75x 1/16BSPP-F	1/2	1/2
M8x.75	1/8 BSPP	M8x.75x1/8BSPP-F	1/2	1/2
M8x.75	1/4 BSPP	M8x.75x1/4BSPP-F	19/32	5/8

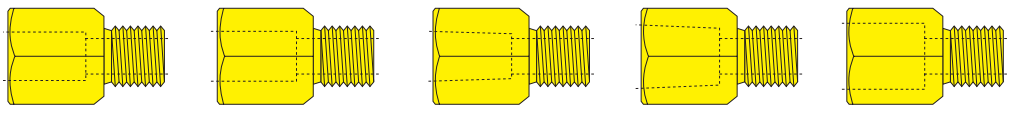
Note: *Images are for visual representation only; not intended for measurements. Dimensions may vary at time of manufacturing.*

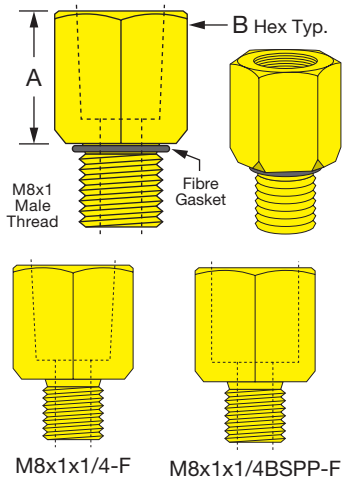


718 M8x1 Male to Female Thread Adapters with Fibre Gasket Supplied

Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Typ.
M8x1	1/16	M8x1x1/16-F	1/2	1/2
M8x1	5/16-18	M8x1x5/16-18-F	1/2	1/2
M8x1	5/16-24	M8x1x5/16-24-F	1/2	1/2
M8x1	1/8	M8x1x1/8-F	1/2	1/2
M8x1	1/4	M8x1x1/4-F	19/32	5/8
M8x1	M8x1.25	M8x1xM8x1.25-F	1/2	1/2

Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Typ.
M8x1	1/16 BSPT	M8x1x1/16BSPT-F	1/2	1/2
M8x1	1/8 BSPT	M8x1x1/8BSPT-F	1/2	1/2
M8x1	1/4 BSPT	M8x1x1/4BSPT-F	19/32	5/8
M8x1	1/16 BSPP	M8x1x1/16BSPP-F	1/2	1/2
M8x1	1/8 BSPP	M8x1x1/8BSPP-F	1/2	1/2
M8x1	1/4 BSPP	M8x1x1/4BSPP-F	19/32	5/8

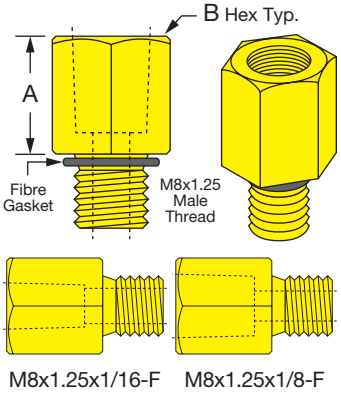




Note:
Dimensions may vary at time of manufacturing.

O-Ring options available! **SAE Threads available! Consult factory for details!** **Material options listed on previous page!**

M8x1.25 Male to Female Thread Adapters with Fibre Gasket Supplied 719

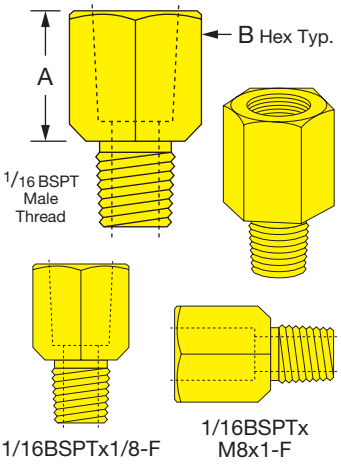


Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Typ.
M8x1.25	1/16	M8x1.25x1/16-F	1/2	1/2
M8x1.25	5/16-18	M8x1.25x5/16-18-F	1/2	1/2
M8x1.25	5/16-24	M8x1.25x5/16-24-F	1/2	1/2
M8x1.25	1/8	M8x1.25x1/8-F	1/2	1/2
M8x1.25	1/4	M8x1.25x1/4-F	19/32	5/8

Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Typ.
M8x1.25	1/16 BSPT	M8x1.25x 1/16BSPT-F	1/2	1/2
M8x1.25	1/8 BSPT	M8x1.25x 1/8BSPT-F	1/2	1/2
M8x1.25	1/4 BSPT	M8x1.25x 1/4BSPT-F	19/32	5/8
M8x1.25	1/16 BSPP	M8x1.25x 1/16BSPP-F	1/2	1/2
M8x1.25	1/8 BSPP	M8x1.25x 1/8BSPP-F	1/2	1/2
M8x1.25	1/4 BSPP	M8x1.25x 1/4BSPP-F	19/32	5/8

Other Metric options available! Consult factory!

1/16 BSPT Male to Female Thread Adapters 720



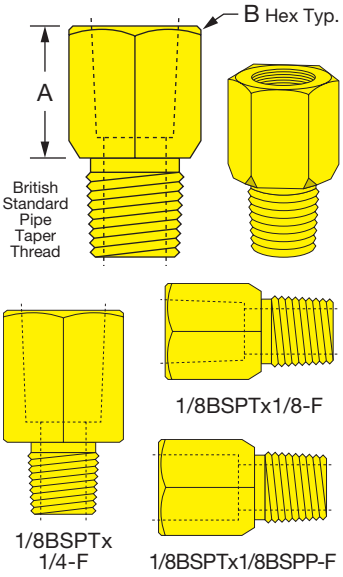
Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Typ.
1/16 BSPT	1/16	1/16BSPTx1/16-F	1/2	1/2
1/16 BSPT	5/16-18	1/16BSPTx5/16-18-F	1/2	1/2
1/16 BSPT	5/16-24	1/16BSPTx5/16-24-F	1/2	1/2
1/16 BSPT	1/8	1/16BSPTx1/8-F	1/2	1/2
1/16 BSPT	1/4	1/16BSPTx1/4-F	19/32	5/8
1/16 BSPT	M8x.75	1/16BSPTx M8x.75-F	1/2	1/2
1/16 BSPT	M8x1	1/16BSPTxM8x1-F	1/2	1/2

Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Typ.
1/16 BSPT	M8x1.25	1/16BSPTx M8x1.25-F	1/2	1/2
1/16 BSPT	1/8 BSPT	1/16BSPTx 1/8BSPT-F	1/2	1/2
1/16 BSPT	1/4 BSPT	1/16BSPTx 1/4BSPT-F	19/32	5/8
1/16 BSPT	1/16 BSPP	1/16BSPTx 1/16BSPP-F	1/2	1/2
1/16 BSPT	1/8 BSPP	1/16BSPTx 1/8BSPT-F	1/2	1/2
1/16 BSPT	1/4 BSPP	1/16BSPTx 1/4BSPP-F	19/32	5/8

SAE Standard Thread also options available.

Other Metric Thread options available! Consult factory for details!

1/8 & 1/4 BSPT Male to Female Thread Adapters 721



Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Typ.
1/8 BSPT	1/8	1/8BSPTx1/8-F	1/2	1/2
1/8 BSPT	1/4	1/8BSPTx1/4-F	5/8	5/8
1/8 BSPT	1/4 BSPT	1/8BSPTx 1/4BSPT-F	5/8	5/8
1/8 BSPT	1/8 BSPP	1/8BSPTx 1/8BSPP-F	1/2	1/2
1/8 BSPT	1/4 BSPP	1/8BSPTx 1/4BSPP-F	11/16	5/8
1/4 BSPT	1/4	1/4BSPTx1/4-F	11/16	5/8
1/4 BSPT	3/8	1/4BSPTx3/8-F	3/4	7/8
1/4 BSPT	1/2	1/4BSPTx1/2-F	1	1
1/4 BSPT	3/4	1/4BSPTx3/4-F	1	1 1/8
1/4 BSPT	1	1/4BSPTx1-F	1 1/16	1 1/2

Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Typ.
1/4 BSPT	3/8 BSPT	1/4BSPTx 3/8BSPT-F	3/4	7/8
1/4 BSPT	1/2 BSPT	1/4BSPTx 1/2BSPT-F	1	1
1/4 BSPT	3/4 BSPT	1/4BSPTx 3/4BSPT-F	1	1 1/8
1/4 BSPT	1 BSPT	1/4BSPTx1BSPT-F	1 1/16	1 1/2
1/4 BSPT	1/4 BSPP	1/4BSPTx 1/4BSPP-F	11/16	5/8
1/4 BSPT	3/8 BSPP	1/4BSPTx 3/8BSPP-F	3/4	7/8
1/4 BSPT	1/2 BSPP	1/4BSPTx 1/2BSPP-F	1	1
1/4 BSPT	3/4 BSPP	1/4BSPTx 3/4BSPP-F	1	1 1/8
1/4 BSPT	1 BSPP	1/4BSPTx 1BSPP-F	1 1/16	1 1/2

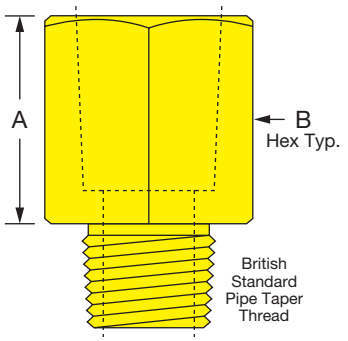
Note: *Images are for visual representation only; not intended for measurements. Dimensions may vary at time of manufacturing.*

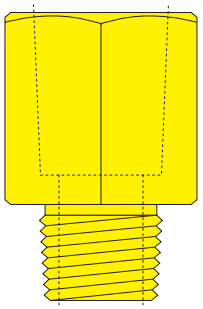
Unless otherwise specified, parts will be Brass. To order other materials, add the following codes to the end of the part number:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -AL = Aluminum 6061-T6 -NP = Electroless Nickel Plate

722 — 3/8, 1/2, 3/4, & 1 BSPT Male to Female Thread Adapters

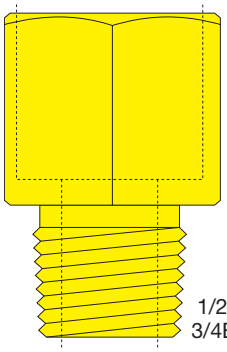
Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Typ.
3/8 BSPT	1/2	3/8BSPTx1/2-F	1	1
3/8 BSPT	3/4	3/8BSPTx3/4-F	1	1 1/8
3/8 BSPT	1	3/8BSPTx1-F	1 1/16	1 1/2
3/8 BSPT	1/2 BSPT	3/8BSPTx 1/2BSPT-F	1	1
3/8 BSPT	3/4 BSPT	3/8BSPTx 3/4BSPT-F	1	1 1/8
3/8 BSPT	1 BSPT	3/8BSPTx 1BSPT-F	1 1/16	1 1/2
3/8 BSPT	1/2 BSPP	3/8BSPTx 1/2BSPP-F	1	1
3/8 BSPT	3/4 BSPP	3/8BSPTx 3/4BSPP-F	1	1 1/8
3/8 BSPT	1 BSPP	3/8BSPTx 1BSPP-F	1 1/16	1 1/2
1/2 BSPT	1/2	1/2BSPTx1/2-F	1	1
1/2 BSPT	3/4	1/2BSPTx3/4-F	1	1 1/8
1/2 BSPT	1	1/2BSPTx1-F	1 1/16	1 1/2

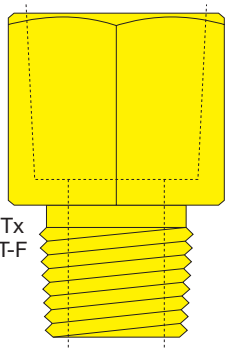
Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Typ.
1/2 BSPT	3/4 BSPT	1/2BSPTx 3/4BSPT-F	1	1 1/8
1/2 BSPT	1 BSPT	1/2BSPTx 1BSPT-F	1 1/16	1 1/2
1/2 BSPT	1/2 BSPP	1/2BSPTx 1/2BSPP-F	1	1
1/2 BSPT	3/4 BSPP	1/2BSPTx 3/4BSPP-F	1	1 1/8
1/2 BSPT	1 BSPP	1/2BSPTx 1BSPP-F	1 1/16	1 1/2
3/4 BSPT	3/4	3/4BSPTx3/4-F	1	1 1/8
3/4 BSPT	1	3/4BSPTx1-F	1 1/16	1 1/2
3/4 BSPT	1 BSPT	3/4BSPTx1BSPT-F	1 1/16	1 1/2
3/4 BSPT	3/4 BSPP	3/4BSPTx 3/4BSPP-F	1	1 1/8
3/4 BSPT	1 BSPP	3/4BSPTx 1BSPP-F	1 1/16	1 1/2
1 BSPT	1	1BSPTx1-F	1 1/16	1 1/2
1 BSPT	1 BSPP	1BSPTx 1BSPP-F	1 1/16	1 1/2

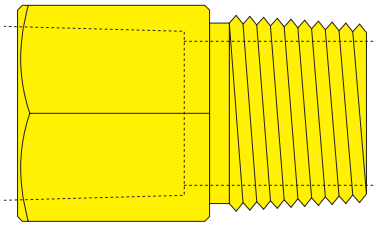


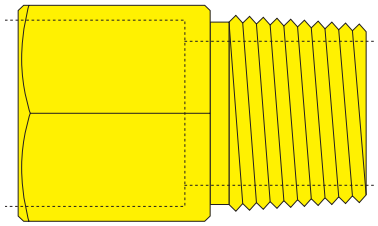

3/8BSPTx1/2-F

Note: *Images are for visual representation only. Dimensions may vary at time of manufacturing.*


1/2BSPTx 3/4BSPP-F


1/2BSPTx 3/4BSPT-F


3/4BSPTx3/4-F


3/4BSPTx3/4BSPP-F

723 — 1/16 BSPP Male to Female Thread Adapters with O-Ring Supplied

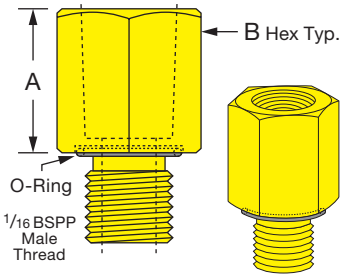
Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Typ.
1/16 BSPP	1/16	1/16BSPPx1/16-F	35/64	1/2
1/16 BSPP	5/16-18	1/16BSPPx 5/16-18-F	1/2	1/2
1/16 BSPP	5/16-24	1/16BSPPx 5/16-24-F	1/2	1/2
1/16 BSPP	1/8	1/16BSPPx1/8-F	35/64	1/2
1/16 BSPP	1/4	1/16BSPPx1/4-F	23/32	5/8
1/16 BSPP	M8x.75	1/16BSPPx M8x.75-F	1/2	1/2
1/16 BSPP	M8x1	1/16BSPPxM8x1-F	1/2	1/2

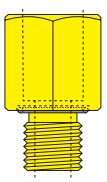
Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Typ.
1/16 BSPP	M8x1.25	1/16BSPPx M8x1.25-F	1/2	1/2
1/16 BSPP	1/16 BSPT	1/16BSPPx 1/16BSPT-F	35/64	1/2
1/16 BSPP	1/8 BSPT	1/16BSPPx 1/8BSPT-F	35/64	1/2
1/16 BSPP	1/4 BSPT	1/16BSPPx 1/4BSPT-F	23/32	5/8
1/16 BSPP	1/8 BSPP	1/16BSPPx 1/8BSPP-F	35/64	1/2
1/16 BSPP	1/4 BSPP	1/16BSPPx 1/4BSPP-F	23/32	5/8

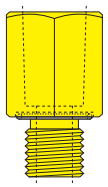
Note: *Dimensions may vary at time of manufacturing.*

BSPP threads supplied with Buna-N O-rings! Other O-ring materials listed on page 65!

SAE Standard Thread options available! M4, M7, M10, and other metric thread options also available! Consult factory for details!

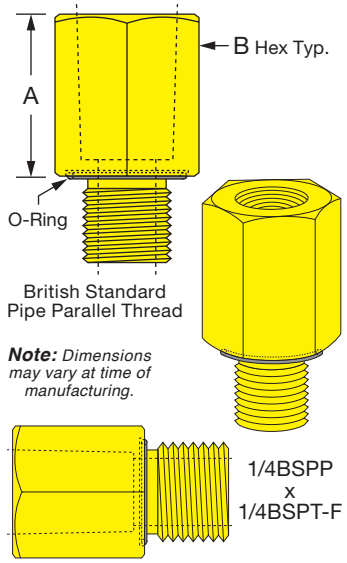



1/16BSPPx M8x1-F

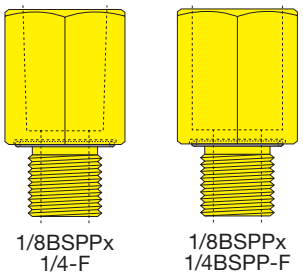

1/16BSPPx1/8-F

Unless otherwise specified, parts will be Brass. To order other materials, add the following codes to the end of the part number:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -AL = Aluminum 6061-T6 -NP = Electroless Nickel Plate

1/8 & 1/4 BSPP Male to Female Thread Adapters with O-Ring Supplied — 724



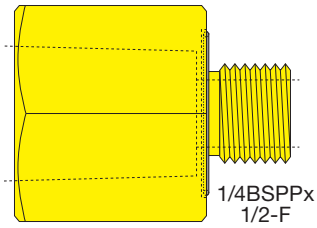
Note: *Dimensions may vary at time of manufacturing.*

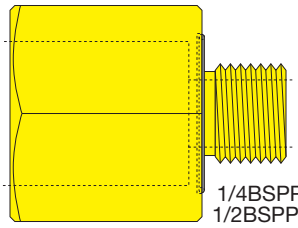


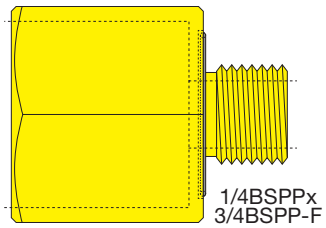
Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Typ.
1/8 BSPP	1/8	1/8BSPPx1/8-F	23/32	5/8
1/8 BSPP	1/4	1/8BSPPx1/4-F	45/64	5/8
1/8 BSPP	1/8 *BSPT*	1/8BSPPx 1/8BSPT-F	23/32	5/8
1/8 BSPP	1/4 *BSPT*	1/8BSPPx 1/4BSPT-F	45/64	5/8
1/8 BSPP	1/4 BSPP	1/8BSPPx 1/4BSPP-F	45/64	5/8
1/4 BSPP	1/4	1/4BSPPx1/4-F	3/4	3/4
1/4 BSPP	3/8	1/4BSPPx3/8-F	51/64	13/16
1/4 BSPP	1/2	1/4BSPPx1/2-F	1	1
1/4 BSPP	3/4	1/4BSPPx3/4-F	1	1 1/8
1/4 BSPP	1	1/4BSPPx1-F	1 1/16	1 1/2

Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Typ.
1/4 BSPP	1/4 *BSPT*	1/4BSPPx 1/4BSPT-F	3/4	3/4
1/4 BSPP	3/8 *BSPT*	1/4BSPPx 3/8BSPT-F	51/64	13/16
1/4 BSPP	1/2 *BSPT*	1/4BSPPx 1/2BSPT-F	1	1
1/4 BSPP	3/4 *BSPT*	1/4BSPPx 3/4BSPT-F	1	1 1/8
1/4 BSPP	1 *BSPT*	1/4BSPPx 1BSPT-F	1 1/16	1 1/2
1/4 BSPP	3/8 BSPP	1/4BSPPx 3/8BSPP-F	51/64	13/16
1/4 BSPP	1/2 BSPP	1/4BSPPx 1/2BSPP-F	1	1
1/4 BSPP	3/4 BSPP	1/4BSPPx 3/4BSPP-F	1	1 1/8
1/4 BSPP	1 BSPP	1/4BSPPx 1BSPP-F	1 1/16	1 1/2

O-Ring material options listed on page 65!



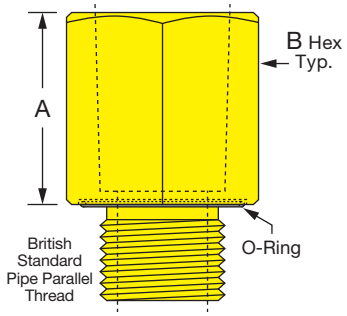


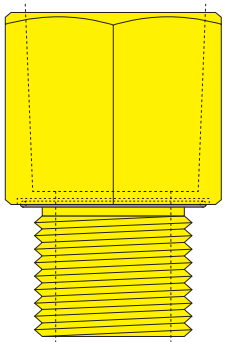


Other thread options available! Consult factory!

Material options listed on next page!

3/8, 1/2, 3/4, & 1 BSPP Male to Female Thread Adapters with O-Ring Supplied — 725





Note: *Images are for visual representation only. Dimensions may vary at time of manufacturing.*

Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Typ.
3/8 BSPP	1/2	3/8BSPPx1/2-F	1	1
3/8 BSPP	3/4	3/8BSPPx3/4-F	1 3/64	1 1/8
3/8 BSPP	1	3/8BSPPx1-F	1 1/8	1 1/2
3/8 BSPP	1/2 *BSPT*	3/8BSPPx 1/2BSPT-F	1	1
3/8 BSPP	3/4 *BSPT*	3/8BSPPx 3/4BSPT-F	1 3/64	1 1/8
3/8 BSPP	1 *BSPT*	3/8BSPPx 1BSPT-F	1 1/8	1 5/8
3/8 BSPP	1/2 BSPP	3/8BSPPx 1/2BSPP-F	1	1
3/8 BSPP	3/4 BSPP	3/8BSPPx 3/4BSPP-F	1 3/64	1 1/8
3/8 BSPP	1 BSPP	3/8BSPPx 1BSPP-F	1 1/16	1 1/2
1/2 BSPP	1/2	1/2BSPPx1/2-F	61/64	1 1/8
1/2 BSPP	3/4	1/2BSPPx3/4-F	1	1 1/8
1/2 BSPP	1	1/2BSPPx1-F	1 3/64	1 1/2

Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Typ.
1/2 BSPP	1/2 *BSPT*	1/2BSPPx 1/2BSPT-F	61/64	1 1/8
1/2 BSPP	3/4 *BSPT*	1/2BSPPx 3/4BSPT-F	1	1 1/8
1/2 BSPP	1 *BSPT*	1/2BSPPx 1BSPT-F	1 3/64	1 1/2
1/2 BSPP	3/4 BSPP	1/2BSPPx 3/4BSPP-F	1	1 1/8
1/2 BSPP	1 BSPP	1/2BSPPx 1BSPP-F	1 3/64	1 1/2
3/4 BSPP	3/4	3/4BSPPx3/4-F	1 3/32	1 1/4
3/4 BSPP	1	3/4BSPPx1-F	1 3/64	1 1/2
3/4 BSPP	3/4 *BSPT*	3/4BSPPx 3/4BSPT-F	1 3/32	1 1/4
3/4 BSPP	1 *BSPT*	3/4BSPPx 1BSPT-F	1 3/64	1 1/2
3/4 BSPP	1 BSPP	3/4BSPPx 1BSPP-F	1 3/64	1 1/2
1 BSPP	1	1BSPPx1-F	1 1/8	1 5/8
1 BSPP	1 *BSPT*	1BSPPx1BSPT-F	1 1/8	1 5/8

Supplied with standard Buna-N O-Ring! Other O-Ring material options are listed on page 65! Consult factory for details!

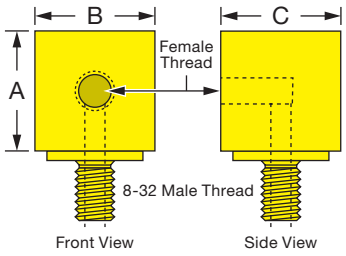
Material options listed on next page!

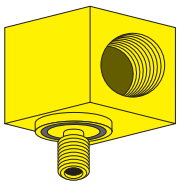
726 8-32 Male to Female Thread 90° Elbow Adapters with Fibre Gasket Supplied

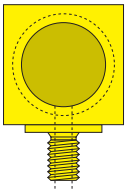
Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Ref.	C Ref.
8-32	8-32	8-32x8-32-FL	½	½	½
8-32	10-32	8-32x10-32-FL	½	½	½
8-32	¼-20	8-32x4-20-FL	½	½	½
8-32	¼-28	8-32x4-28-FL	½	½	½
8-32	1/16	8-32x1/16-FL	½	½	½
8-32	5/16-18	8-32x5/16-18-FL	½	½	½
8-32	5/16-24	8-32x5/16-24-FL	½	½	½
8-32	⅛	8-32x1/8-FL	½	½	½
8-32	¼	8-32x1/4-FL	⅝	⅝	⅝
8-32	M5	8-32xM5-FL	½	½	½
8-32	M6x.75	8-32xM6x.75-FL	½	½	½

Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Ref.	C Ref.
8-32	M6x1	8-32xM6x1-FL	½	½	½
8-32	M8x.75	8-32xM8x.75-FL	½	½	½
8-32	M8x1	8-32xM8x1-FL	½	½	½
8-32	M8x1.25	8-32xM8x1.25-FL	½	½	½
8-32	1/16 BSPT	8-32x1/16BSPT-FL	½	½	½
8-32	⅛ BSPT	8-32x1/8BSPT-FL	½	½	½
8-32	¼ BSPT	8-32x1/4BSPT-FL	⅝	⅝	½
8-32	1/16 BSPP	8-32x1/16BSPP-FL	½	½	½
8-32	⅛ BSPP	8-32x1/8BSPP-FL	½	½	½
8-32	¼ BSPP	8-32x1/4BSPP-FL	⅝	⅝	⅝

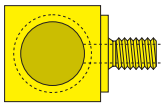
O-Ring options available! See page 65 for details!



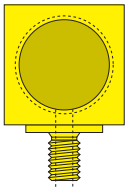




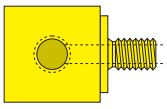
8-32x1/4-FL



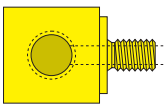
8-32x1/8-FL



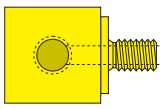
8-32x 1/4BSPP-FL



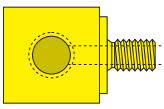
8-32x10-32-FL



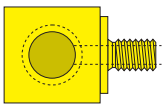
8-32x4-28-FL



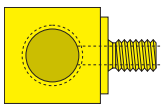
8-32xM5-FL



8-32xM6x1-FL



8-32x1/16-FL

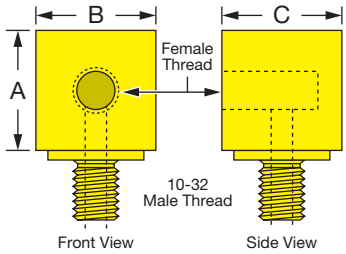


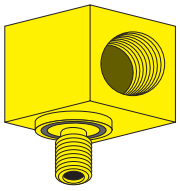
8-32xM8x1-FL

727 10-32 Male to Female Thread 90° Elbow Adapters with Fibre Gasket Supplied

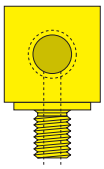
Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Ref.	C Ref.
10-32	10-32	10-32x10-32-FL	½	½	½
10-32	¼-20	10-32x4-20-FL	½	½	½
10-32	¼-28	10-32x4-28-FL	½	½	½
10-32	1/16	10-32x1/16-FL	½	½	½
10-32	5/16-18	10-32x5/16-18-FL	½	½	½
10-32	5/16-24	10-32x5/16-24-FL	½	½	½
10-32	⅛	10-32x1/8-FL	½	½	½
10-32	¼	10-32x1/4-FL	⅝	⅝	⅝
10-32	M5	10-32xM5-FL	½	½	½
10-32	M6x.75	10-32xM6x.75-FL	½	½	½

Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Ref.	C Ref.
10-32	M6x1	10-32xM6x1-FL	½	½	½
10-32	M8x.75	10-32xM8x.75-FL	½	½	½
10-32	M8x1	10-32xM8x1-FL	½	½	½
10-32	M8x1.25	10-32xM8x1.25-FL	½	½	½
10-32	1/16 BSPT	10-32x1/16BSPT-FL	½	½	½
10-32	⅛ BSPT	10-32x1/8BSPT-FL	½	½	½
10-32	¼ BSPT	10-32x1/4BSPT-FL	⅝	⅝	⅝
10-32	1/16 BSPP	10-32x1/16BSPP-FL	½	½	½
10-32	⅛ BSPP	10-32x1/8BSPP-FL	½	½	½
10-32	¼ BSPP	10-32x1/4BSPP-FL	⅝	⅝	⅝

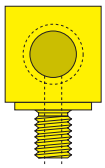




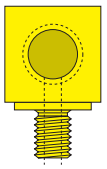
O-Ring options available! Consult factory for details! See O-Ring material options listed on page 65!



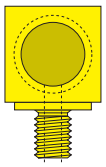
10-32x 4-20-FL



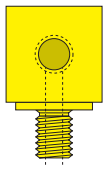
10-32x 1/16-FL



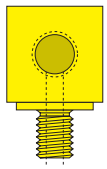
10-32x 5/16-18-FL



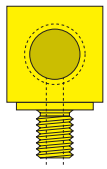
10-32x 1/8-FL



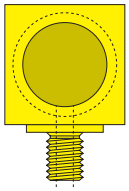
10-32x M5-FL



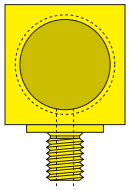
10-32x M6x.75-FL



10-32x M8x1.25-FL



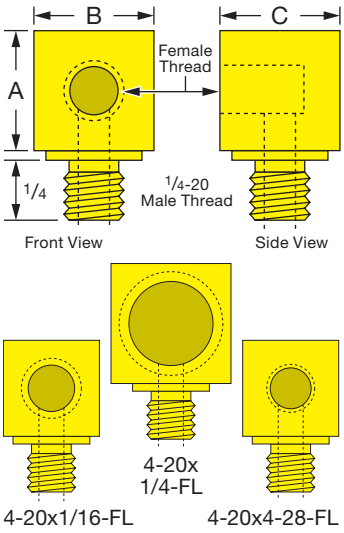
10-32x 1/4-FL



10-32x 1/4BSPP-FL

Unless otherwise specified, parts will be Brass. To order other materials, add the following codes to the end of the part number:
-SS = Stainless Steel 303 **-316SS =** Stainless Steel 316 **-AL =** Aluminum 6061-T6 **-NP =** Electroless Nickel Plate

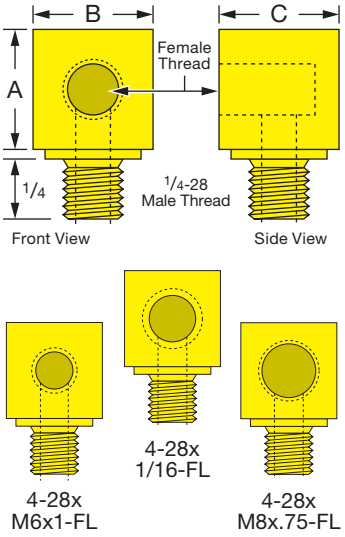
4-20 (1/4-20) Male to Female Thread 90° Elbow Adapters with Fibre Gasket Supplied 728



Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Ref.	C Ref.
1/4-20	1/4-20	4-20x4-20-FL	1/2	1/2	1/2
1/4-20	1/4-28	4-20x4-28-FL	1/2	1/2	1/2
1/4-20	1/16	4-20x1/16-FL	1/2	1/2	1/2
1/4-20	5/16-18	4-20x5/16-18-FL	1/2	1/2	1/2
1/4-20	5/16-24	4-20x5/16-24-FL	1/2	1/2	1/2
1/4-20	1/8	4-20x1/8-FL	1/2	1/2	1/2
1/4-20	1/4	4-20x1/4-FL	5/8	5/8	5/8
1/4-20	M6x.75	4-20xM6x.75-FL	1/2	1/2	1/2
1/4-20	M6x1	4-20xM6x1-FL	1/2	1/2	1/2

Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Ref.	C Ref.
1/4-20	M8x.75	4-20xM8x.75-FL	1/2	1/2	1/2
1/4-20	M8x1	4-20xM8x1-FL	1/2	1/2	1/2
1/4-20	M8x1.25	4-20xM8x1.25-FL	1/2	1/2	1/2
1/4-20	1/16 *BSPT*	4-20x1/16BSPT-FL	1/2	1/2	1/2
1/4-20	1/8 *BSPT*	4-20x1/8BSPT-FL	1/2	1/2	1/2
1/4-20	1/4 *BSPT*	4-20x1/4BSPT-FL	5/8	5/8	5/8
1/4-20	1/16 BSPP	4-20x1/16BSPP-FL	1/2	1/2	1/2
1/4-20	1/8 BSPP	4-20x1/8BSPP-FL	1/2	1/2	1/2
1/4-20	1/4 BSPP	4-20x1/4BSPP-FL	5/8	5/8	5/8

4-28 (1/4-28) Male to Female Thread 90° Elbow Adapters with Fibre Gasket Supplied 729



Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Ref.	C Ref.
1/4-28	1/4-28	4-28x4-28-FL	1/2	1/2	1/2
1/4-28	1/16	4-28x1/16-FL	1/2	1/2	1/2
1/4-28	5/16-18	4-28x5/16-18-FL	1/2	1/2	1/2
1/4-28	5/16-24	4-28x5/16-24-FL	1/2	1/2	1/2
1/4-28	1/8	4-28x1/8-FL	1/2	1/2	1/2
1/4-28	1/4	4-28x1/4-FL	5/8	5/8	5/8
1/4-28	M6x.75	4-28xM6x.75-FL	1/2	1/2	1/2
1/4-28	M6x1	4-28xM6x1-FL	1/2	1/2	1/2
1/4-28	M8x.75	4-28xM8x.75-FL	1/2	1/2	1/2

Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Ref.	C Ref.
1/4-28	M8x1	4-28xM8x1-FL	1/2	1/2	1/2
1/4-28	M8x1.25	4-28xM8x1.25-FL	1/2	1/2	1/2
1/4-28	1/16 *BSPT*	4-28x1/16BSPT-FL	1/2	1/2	1/2
1/4-28	1/8 *BSPT*	4-28x1/8BSPT-FL	1/2	1/2	1/2
1/4-28	1/4 *BSPT*	4-28x1/4BSPT-FL	1/2	1/2	1/2
1/4-28	1/16 BSPP	4-28x1/16BSPP-FL	1/2	1/2	1/2
1/4-28	1/8 BSPP	4-28x1/8BSPP-FL	1/2	1/2	1/2
1/4-28	1/4 BSPP	4-28x1/4BSPP-FL	1/2	1/2	1/2

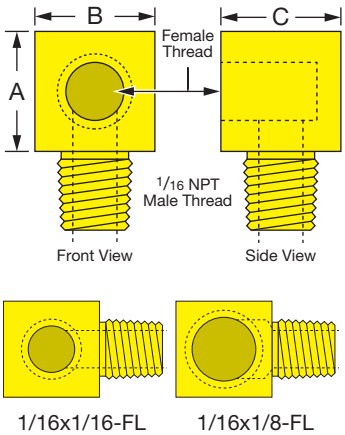
O-Ring options available! See page 65!

Note: *Images are for visual representation only. Dimensions may vary at time of manufacturing.*

Material options for 1/4-20, 1/4-28, and 1/16 NPT thread elbow adapters listed on next page!

B2

1/16 NPT Male to Female Thread 90° Elbow Adapters 730

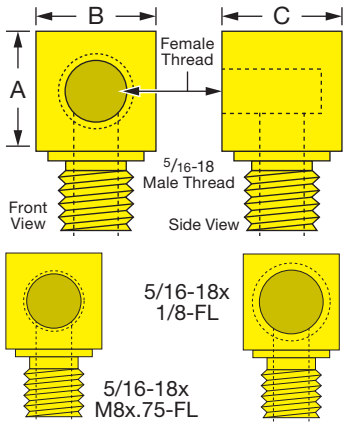


Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Ref.	C Ref.
1/16	1/16	1/16x1/16-FL	1/2	1/2	1/2
1/16	5/16-18	1/16x5/16-18-FL	1/2	1/2	1/2
1/16	5/16-24	1/16x5/16-24-FL	1/2	1/2	1/2
1/16	1/8	1/16x1/8-FL	1/2	1/2	1/2
1/16	1/4	1/16x1/4-FL	5/8	5/8	5/8
1/16	M8x.75	1/16xM8x.75-FL	1/2	1/2	1/2
1/16	M8x1	1/16xM8x1-FL	1/2	1/2	1/2

Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Ref.	C Ref.
1/16	M8x1.25	1/16xM8x1.25-FL	1/2	1/2	1/2
1/16	1/16 *BSPT*	1/16x1/16BSPT-FL	1/2	1/2	1/2
1/16	1/8 *BSPT*	1/16x1/8BSPT-FL	1/2	1/2	1/2
1/16	1/4 *BSPT*	1/16x1/4BSPT-FL	5/8	5/8	5/8
1/16	1/16 BSPP	1/16x1/16BSPP-FL	1/2	1/2	1/2
1/16	1/8 BSPP	1/16x1/8BSPP-FL	1/2	1/2	1/2
1/16	1/4 BSPP	1/16x1/4BSPP-FL	5/8	5/8	5/8

731 5/16-18 Male to Female Thread 90° Elbow Adapters with Fibre Gasket Supplied

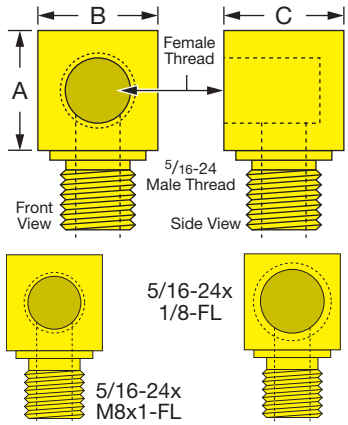
Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Ref.	C Ref.
5/16-18	5/16-18	5/16-18x5/16-18-FL	1/2	1/2	1/2
5/16-18	5/16-24	5/16-18x5/16-24-FL	1/2	1/2	1/2
5/16-18	1/8	5/16-18x1/8-FL	1/2	1/2	1/2
5/16-18	1/4	5/16-18x1/4-FL	5/8	5/8	5/8
5/16-18	M8x.75	5/16-18xM8x.75-FL	1/2	1/2	1/2
5/16-18	M8x1	5/16-18xM8x1-FL	1/2	1/2	1/2
5/16-18	M8x1.25	5/16-18xM8x1.25-FL	1/2	1/2	1/2
5/16-18	1/8 BSPT	5/16-18x1/8BSPT-FL	1/2	1/2	1/2
5/16-18	1/4 BSPT	5/16-18x1/4BSPT-FL	5/8	5/8	5/8
5/16-18	1/16 BSPP	5/16-18x 1/16BSPP-FL	1/2	1/2	1/2
5/16-18	1/8 BSPP	5/16-18x1/8BSPP-FL	1/2	1/2	1/2
5/16-18	1/4 BSPP	5/16-18x1/4BSPP-FL	5/8	5/8	5/8



732 5/16-24 Male to Female Thread 90° Elbow Adapters with Fibre Gasket Supplied

Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Ref.	C Ref.
5/16-24	5/16-24	5/16-24x5/16-24-FL	1/2	1/2	1/2
5/16-24	1/8	5/16-24x1/8-FL	1/2	1/2	1/2
5/16-24	1/4	5/16-24x1/4-FL	5/8	5/8	5/8
5/16-24	M8x.75	5/16-24xM8x.75-FL	1/2	1/2	1/2
5/16-24	M8x1	5/16-24xM8x1-FL	1/2	1/2	1/2
5/16-24	M8x1.25	5/16-24xM8x1.25-FL	1/2	1/2	1/2
5/16-24	1/8 BSPT	5/16-24x1/8BSPT-FL	1/2	1/2	1/2
5/16-24	1/4 BSPT	5/16-24x1/4BSPT-FL	5/8	5/8	5/8
5/16-24	1/4 BSPP	5/16-24x1/4BSPP-FL	1/2	1/2	1/2
5/16-24	1/8 BSPP	5/16-24x1/8BSPP-FL	1/2	1/2	1/2
5/16-24	1/4 BSPP	5/16-24x1/4BSPP-FL	5/8	5/8	5/8

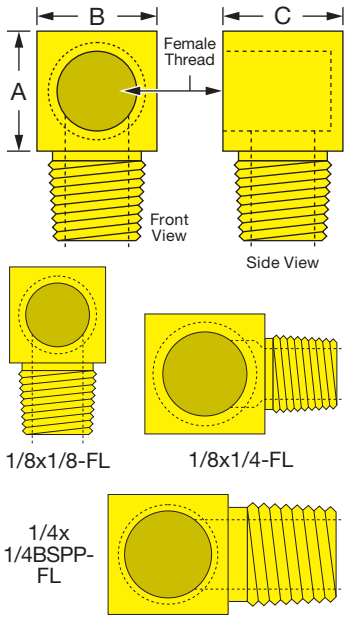
O-Ring options also available!



733 1/8 & 1/4 NPT Male to Female Thread 90° Elbow Adapters

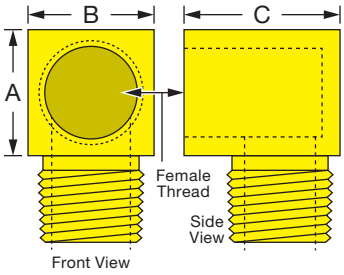
Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Ref.	C Ref.
1/8	1/8	1/8x1/8-FL	1/2	1/2	1/2
1/8	1/4	1/8x1/4-FL	5/8	5/8	1/2
1/8	1/8 BSPT	1/8x1/8BSPT-FL	1/2	1/2	1/2
1/8	1/4 BSPT	1/8x1/4BSPT-FL	5/8	5/8	5/8
1/8	1/8 BSPP	1/8x1/8BSPP-FL	1/2	1/2	1/2
1/8	1/4 BSPP	1/8x1/4BSPP-FL	5/8	5/8	5/8
1/4	1/4	1/4x1/4-FL	5/8	5/8	1/2
1/4	3/8	1/4x3/8-FL	Consult Factory		
1/4	1/2	1/4x1/2-FL	Consult Factory		
1/4	3/4	1/4x3/4-FL	Consult Factory		
1/4	1	1/4x1-FL	Consult Factory		
1/4	1/4 BSPT	1/4x1/4BSPT-FL	Consult Factory		
1/4	3/8 BSPT	1/4x3/8BSPT-FL	Consult Factory		
1/4	1/2 BSPT	1/4x1/2BSPT-FL	Consult Factory		
1/4	3/4 BSPT	1/4x3/4BSPT-FL	Consult Factory		
1/4	1 BSPT	1/4x1BSPT-FL	Consult Factory		
1/4	1/4 BSPP	1/4x1/4BSPP-FL	Consult Factory		
1/4	3/8 BSPP	1/4x3/8BSPP-FL	Consult Factory		
1/4	1/2 BSPP	1/4x1/2BSPP-FL	Consult Factory		
1/4	3/4 BSPP	1/4x3/4BSPP-FL	Consult Factory		
1/4	1 BSPP	1/4x1BSPP-FL	Consult Factory		

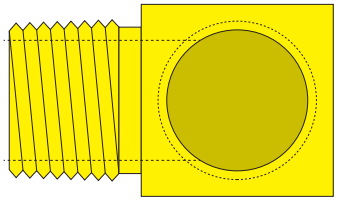
Note: *Images are for visual representation only; not intended for measurements. Dimensions may vary at time of manufacturing.*



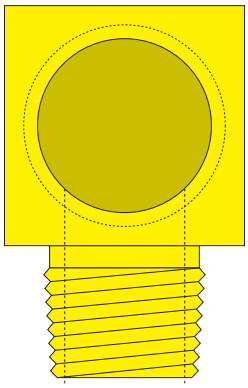
Unless otherwise specified, parts will be Brass. To order other materials, add the following codes to the end of the part number:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -AL = Aluminum 6061-T6 -NP = Electroless Nickel Plate

3/8, 1/2, 3/4, and 1 NPT Male to Female Thread 90° Elbow Adapters 734





1/2x1/2BSPP-FL

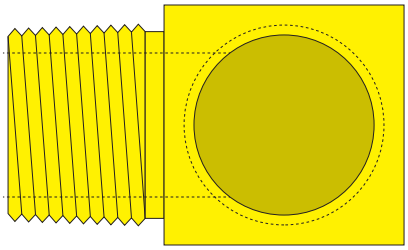


1/2x3/4-FL

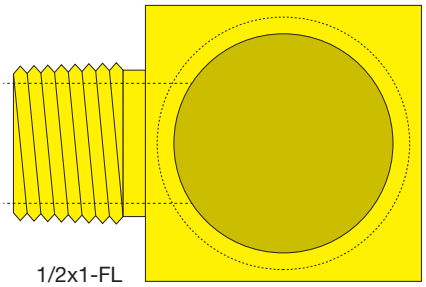
Material options are listed on next page!

Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Ref.	C Ref.
3/8	3/8	3/8x3/8-FL	Consult Factory	Consult Factory	Consult Factory
3/8	1/2	3/8x1/2-FL			
3/8	3/4	3/8x3/4-FL			
3/8	1	3/8x1-FL			
3/8	3/8 BSPT	3/8x3/8BSPT-FL			
3/8	1/2 BSPT	3/8x1/2BSPT-FL			
3/8	3/4 BSPT	3/8x3/4BSPT-FL			
3/8	1 BSPT	3/8x1BSPT-FL			
3/8	3/8 BSPP	3/8x3/8BSPP-FL			
3/8	1/2 BSPP	3/8x1/2BSPP-FL			
3/8	3/4 BSPP	3/8x3/4BSPP-FL			
3/8	1 BSPP	3/8x1BSPP-FL			
1/2	1/2	1/2x1/2-FL			
1/2	3/4	1/2x3/4-FL			
1/2	1	1/2x1-FL			

Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Ref.	C Ref.
1/2	1/2 BSPT	1/2x1/2BSPT-FL	Consult Factory	Consult Factory	Consult Factory
1/2	3/4 BSPT	1/2x3/4BSPT-FL			
1/2	1 BSPT	1/2x1BSPT-FL			
1/2	1/2 BSPP	1/2x1/2BSPP-FL			
1/2	3/4 BSPP	1/2x3/4BSPP-FL			
1/2	1 BSPP	1/2x1BSPP-FL			
3/4	3/4	3/4x3/4-FL			
3/4	1	3/4x1-FL			
3/4	3/4 BSPT	3/4x3/4BSPT-FL			
3/4	1 BSPT	3/4x1BSPT-FL			
3/4	3/4 BSPP	3/4x3/4BSPP-FL			
3/4	1 BSPP	3/4x1BSPP-FL			
1	1	1x1-FL			
1	1 BSPT	1x1BSPT-FL			
1	1 BSPP	1x1BSPP-FL			

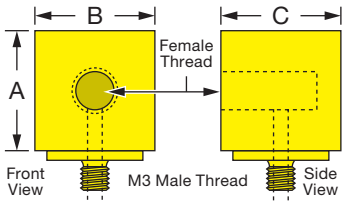


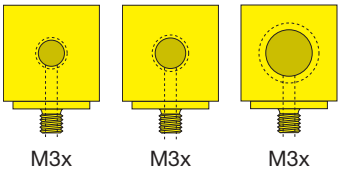
3/4x3/4BSPT-FL



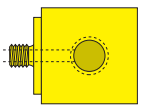
1/2x1-FL

M3 Male to Female Thread 90° Elbow Adapters with Fibre Gasket Supplied 735





M3x 8-32-FL | M3x 10-32-FL | M3x 1/16-FL



M3xM5-FL

Material options are listed on next page!

Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Ref.	C Ref.
M3	8-32	M3x8-32-FL	1/2	1/2	1/2
M3	10-32	M3x10-32-FL	1/2	1/2	1/2
M3	1/4-20	M3x4-20-FL	1/2	1/2	1/2
M3	1/4-28	M3x4-28-FL	1/2	1/2	1/2
M3	1/16	M3x1/16-FL	1/2	1/2	1/2
M3	5/16-18	M3x5/16-18-FL	1/2	1/2	1/2
M3	5/16-24	M3x5/16-24-FL	1/2	1/2	1/2
M3	1/8	M3x1/8-FL	1/2	1/2	1/2
M3	1/4	M3x1/4-FL	5/8	5/8	5/8
M3	M3	M3xM3-FL	1/2	1/2	1/2
M3	M5	M3xM5-FL	1/2	1/2	1/2

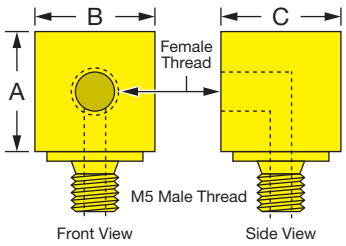
Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Ref.	C Ref.
M3	M6x.75	M3xM6x.75-FL	1/2	1/2	1/2
M3	M6x1	M3xM6x1-FL	1/2	1/2	1/2
M3	M8x.75	M3xM8x.75-FL	1/2	1/2	1/2
M3	M8x1	M3xM8x1-FL	1/2	1/2	1/2
M3	M8x1.25	M3xM8x1.25-FL	1/2	1/2	1/2
M3	1/16 BSPT	M3x1/16BSPT-FL	1/2	1/2	1/2
M3	1/8 BSPT	M3x1/8BSPT-FL	1/2	1/2	1/2
M3	1/4 BSPT	M3x1/4BSPT-FL	5/8	5/8	5/8
M3	1/16 BSPP	M3x1/16BSPP-FL	1/2	1/2	1/2
M3	1/8 BSPP	M3x1/8BSPP-FL	1/2	1/2	1/2
M3	1/4 BSPP	M3x1/4BSPP-FL	5/8	5/8	5/8

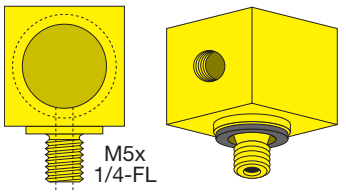
736 M5 Male to Female Thread 90° Elbow Adapters with Fibre Gasket Supplied

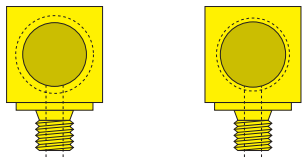
Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Ref.	C Ref.
M5	¼-20	M5x4-20-FL	½	½	½
M5	¼-28	M5x4-28-FL	½	½	½
M5	1/16	M5x1/16-FL	½	½	½
M5	5/16-18	M5x5/16-18-FL	½	½	½
M5	5/16-24	M5x5/16-24-FL	½	½	½
M5	⅛	M5x1/8-FL	½	½	½
M5	¼	M5x1/4-FL	⅝	⅝	⅝
M5	M5	M5xM5-FL	½	½	½
M5	M6x.75	M5xM6x.75-FL	½	½	½
M5	M6x1	M5xM6x1-FL	½	½	½

Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Ref.	C Ref.
M5	M8x.75	M5xM8x.75-FL	½	½	½
M5	M8x1	M5xM8x1-FL	½	½	½
M5	M8x1.25	M5xM8x1.25-FL	½	½	½
M5	1/16 BSPT	M5x1/16BSPT-FL	½	½	½
M5	⅛ BSPT	M5x1/8BSPT-FL	½	½	½
M5	¼ BSPT	M5x1/4BSPT-FL	⅝	⅝	⅝
M5	1/16 BSPP	M5x1/16BSPP-FL	½	½	½
M5	⅛ BSPP	M5x1/8BSPP-FL	½	½	½
M5	¼ BSPP	M5x1/4BSPP-FL	⅝	⅝	⅝

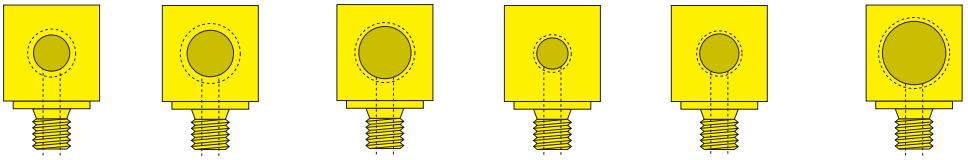
Other metric thread options available!







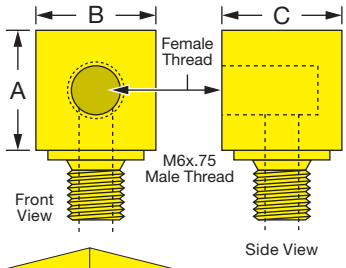
O-Ring options also available! See page 65 for O-Ring material options!

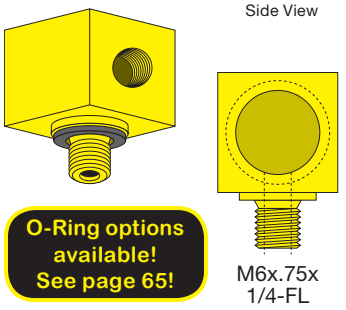


737 M6x.75 Male to Female Thread 90° Elbow Adapter with Fibre Gasket Supplied

Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Ref.	C Ref.
M6x.75	¼-20	M6x.75x4-20-FL	½	½	½
M6x.75	¼-28	M6x.75x4-28-FL	½	½	½
M6x.75	1/16	M6x.75x1/16-FL	½	½	½
M6x.75	5/16-18	M6x.75x5/16-18-FL	½	½	½
M6x.75	5/16-24	M6x.75x5/16-24-FL	½	½	½
M6x.75	⅛	M6x.75x1/8-FL	½	½	½
M6x.75	¼	M6x.75x1/4-FL	⅝	⅝	⅝
M6x.75	M6x.75	M6x.75xM6x.75-FL	½	½	½
M6x.75	M6x1	M6x.75xM6x1-FL	½	½	½

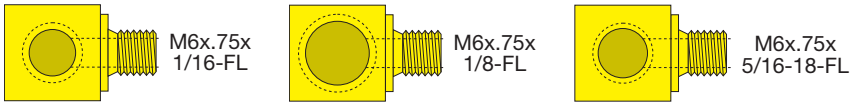
Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Ref.	C Ref.
M6x.75	M8x.75	M6x.75xM8x.75-FL	½	½	½
M6x.75	M8x1	M6x.75xM8x1-FL	½	½	½
M6x.75	M8x1.25	M6x.75xM8x1.25-FL	½	½	½
M6x.75	1/16 BSPT	M6x.75x 1/16BSPT-FL	½	½	½
M6x.75	⅛ BSPT	M6x.75x1/8BSPT-FL	½	½	½
M6x.75	¼ BSPT	M6x.75x1/4BSPT-FL	⅝	⅝	⅝
M6x.75	1/16 BSPP	M6x.75x 1/16BSPP-FL	½	½	½
M6x.75	⅛ BSPP	M6x.75x1/8BSPP-FL	½	½	½
M6x.75	¼ BSPP	M6x.75x1/4BSPP-FL	⅝	⅝	⅝

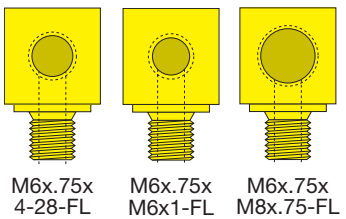




O-Ring options available! See page 65!

Note: *Images are for visual representation only; not intended for dimensional measurements.*





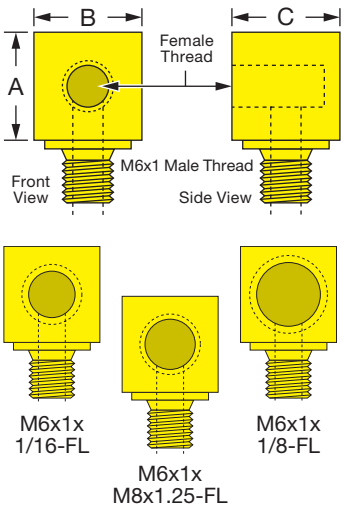
SAE Threads available! Consult factory for details!

M4, M7, M10, and other metric thread options available! Lead times apply! Consult factory for details!

Unless otherwise specified, parts will be Brass. To order other materials, add the following codes to the end of the part number:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -AL = Aluminum 6061-T6 -NP = Electroless Nickel Plate

B2

M6x1 Male to Female Thread 90° Elbow Adapters with Fibre Gasket Supplied 738

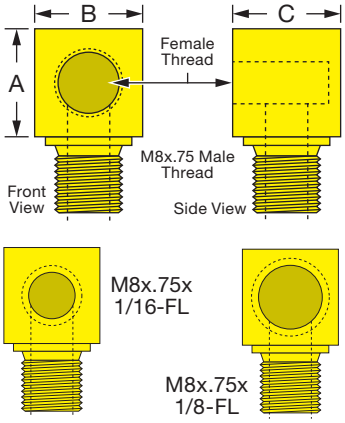


Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Ref.	C Ref.
M6x1	1/4-20	M6x1x4-20-FL	1/2	1/2	1/2
M6x1	1/4-28	M6x1x4-28-FL	1/2	1/2	1/2
M6x1	1/16	M6x1x1/16-FL	1/2	1/2	1/2
M6x1	5/16-18	M6x1x5/16-18-FL	1/2	1/2	1/2
M6x1	5/16-24	M6x1x5/16-24-FL	1/2	1/2	1/2
M6x1	1/8	M6x1x1/8-FL	1/2	1/2	1/2
M6x1	1/4	M6x1x1/4-FL	5/8	5/8	5/8
M6x1	M6x1	M6x1xM6x1-FL	1/2	1/2	1/2

Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Ref.	C Ref.
M6x1	M8x.75	M6x1xM8x.75-FL	1/2	1/2	1/2
M6x1	M8x1	M6x1xM8x1-FL	1/2	1/2	1/2
M6x1	M8x1.25	M6x1xM8x1.25-FL	1/2	1/2	1/2
M6x1	1/16 BSPT	M6x1x1/16BSPT-FL	1/2	1/2	1/2
M6x1	1/8 BSPT	M6x1x1/8BSPT-FL	1/2	1/2	1/2
M6x1	1/4 BSPT	M6x1x1/4BSPT-FL	5/8	5/8	5/8
M6x1	1/16 BSPP	M6x1x1/16BSPP-FL	1/2	1/2	1/2
M6x1	1/8 BSPP	M6x1x1/8BSPP-FL	1/2	1/2	1/2
M6x1	1/4 BSPP	M6x1x1/4BSPP-FL	5/8	5/8	5/8

O-Ring options available! See page 65 details!

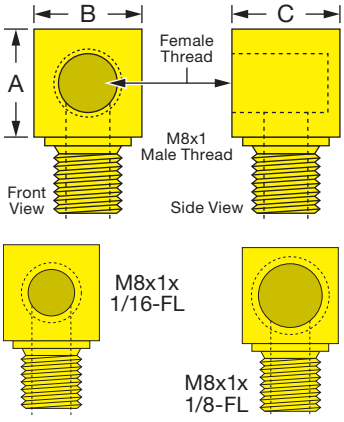
M8x.75 Male to Female Thread 90° Elbow Adapters with Fibre Gasket Supplied 739



Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Ref.	C Ref.
M8x.75	1/16	M8x.75x1/16-FL	1/2	1/2	1/2
M8x.75	5/16-18	M8x.75x5/16-18-FL	1/2	1/2	1/2
M8x.75	5/16-24	M8x.75x5/16-24-FL	1/2	1/2	1/2
M8x.75	1/8	M8x.75x1/8-FL	1/2	1/2	1/2
M8x.75	1/4	M8x.75x1/4-FL	5/8	5/8	1/2
M8x.75	M8x.75	M8x.75xM8x.75-FL	1/2	1/2	1/2
M8x.75	M8x1	M8x.75xM8x1-FL	1/2	1/2	5/8

Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Ref.	C Ref.
M8x.75	M8x1.25	M8x.75x M8x1.25-FL	1/2	1/2	1/2
M8x.75	1/16 BSPT	M8x.75x 1/16BSPT-FL	1/2	1/2	1/2
M8x.75	1/8 BSPT	M8x.75x 1/8BSPT-FL	1/2	1/2	1/2
M8x.75	1/4 BSPT	M8x.75x 1/4BSPT-FL	5/8	5/8	5/8
M8x.75	1/16 BSPP	M8x.75x 1/16BSPP-FL	1/2	1/2	1/2
M8x.75	1/8 BSPP	M8x.75x 1/8BSPP-FL	1/2	1/2	1/2
M8x.75	1/4 BSPP	M8x.75x 1/4BSPP-FL	5/8	5/8	5/8

M8x1 Male to Female Thread 90° Elbow Adapters with Fibre Gasket Supplied 740

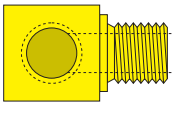


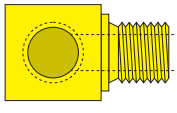
Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Ref.	C Ref.
M8x1	1/16	M8x1x1/16-FL	1/2	1/2	1/2
M8x1	5/16-18	M8x1x5/16-18-FL	1/2	1/2	1/2
M8x1	5/16-24	M8x1x5/16-24-FL	1/2	1/2	1/2
M8x1	1/8	M8x1x1/8-FL	1/2	1/2	1/2
M8x1	1/4	M8x1x1/4-FL	5/8	5/8	5/8
M8x1	M8x1.25	M8x1xM8x1.25-FL	1/2	1/2	1/2
M8x1	M8x1	M8x1xM8x1-FL	1/2	1/2	1/2

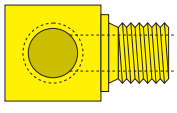
Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Ref.	C Ref.
M8x1	1/16 BSPT	M8x1x 1/16BSPT-FL	1/2	1/2	1/2
M8x1	1/8 BSPT	M8x1x1/8BSPT-FL	1/2	1/2	1/2
M8x1	1/4 BSPT	M8x1x1/4BSPT-FL	5/8	5/8	5/8
M8x1	1/16 BSPP	M8x1x1/16BSPP-FL	1/2	1/2	1/2
M8x1	1/8 BSPP	M8x1x1/8BSPP-FL	1/2	1/2	1/2
M8x1	1/4 BSPP	M8x1x1/4BSPP-FL	5/8	5/8	5/8

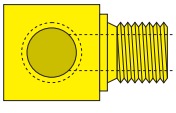
O-Ring options available! See page 65 details!

Note: *Images are for visual representation only; not intended for dimensional measurements.*


M8x1x M8x1.25-FL


M8.75x M8x1.25-FL


M8x1x 5/16-18-FL

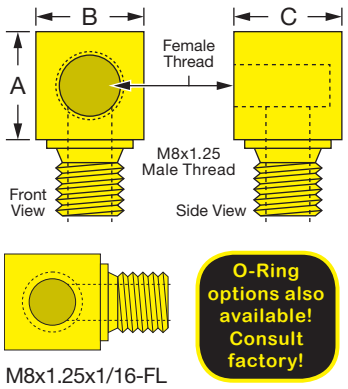

M8.75x 5/16-18-FL

Unless otherwise specified, parts will be Brass. To order other materials, add the following codes to the end of the part number:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -AL = Aluminum 6061-T6 -NP = Electroless Nickel Plate

741 M8x1.25 Male to Female Thread 90° Elbow Adapters with Fibre Gasket Supplied

Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Ref.	C Ref.
M8x1.25	1/16	M8x1.25x1/16-FL	1/2	1/2	1/2
M8x1.25	5/16-18	M8x1.25x 5/16-18-FL	1/2	1/2	1/2
M8x1.25	5/16-24	M8x1.25x 5/16-24-FL	1/2	1/2	1/2
M8x1.25	1/8	M8x1.25x1/8-FL	1/2	1/2	1/2
M8x1.25	1/4	M8x1.25x1/4-FL	5/8	5/8	5/8
M8x1.25	M8x1.25	M8x1.25x M8x1.25-FL	1/2	1/2	1/2

Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Ref.	C Ref.
M8x1.25	1/16 BSPT	M8x1.25x 1/16BSPT-FL	1/2	1/2	1/2
M8x1.25	1/8 BSPT	M8x1.25x 1/8BSPT-FL	1/2	1/2	1/2
M8x1.25	1/4 BSPT	M8x1.25x 1/4BSPT-FL	5/8	5/8	5/8
M8x1.25	1/16 BSPP	M8x1.25x 1/16BSPP-FL	1/2	1/2	1/2
M8x1.25	1/8 BSPP	M8x1.25x 1/8BSPP-FL	1/2	1/2	1/2
M8x1.25	1/4 BSPP	M8x1.25x 1/4BSPP-FL	5/8	5/8	5/8

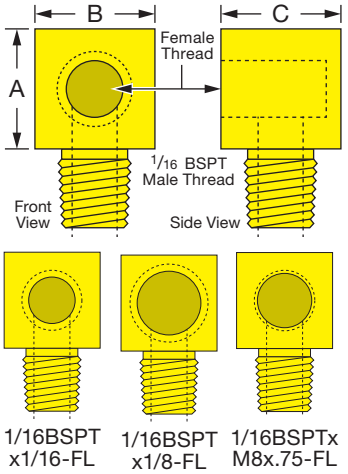


742 1/16 BSPT Male to Female Thread 90° Elbow Adapters

Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Ref.	C Ref.
1/16 BSPT	1/16	1/16BSPTx1/16-FL	1/2	1/2	1/2
1/16 BSPT	5/16-18	1/16BSPTx 5/16-18-FL	1/2	1/2	1/2
1/16 BSPT	5/16-24	1/16BSPTx 5/16-24-FL	1/2	1/2	1/2
1/16 BSPT	1/8	1/16BSPTx1/8-FL	1/2	1/2	1/2
1/16 BSPT	1/4	1/16BSPTx1/4-FL	5/8	5/8	5/8
1/16 BSPT	M8x.75	1/16BSPTx M8x.75-FL	1/2	1/2	1/2
1/16 BSPT	M8x1	1/16BSPTx M8x1-FL	1/2	1/2	1/2
1/16 BSPT	M8x1.25	1/16BSPTx M8x1.25-FL	1/2	1/2	1/2

Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Ref.	C Ref.
1/16 BSPT	1/16 BSPT	1/16BSPTx 1/16BSPT-FL	1/2	1/2	1/2
1/16 BSPT	1/8 BSPT	1/16BSPTx 1/8BSPT-FL	1/2	1/2	1/2
1/16 BSPT	1/4 BSPT	1/16BSPTx 1/4BSPT-FL	5/8	5/8	5/8
1/16 BSPT	1/16 BSPP	1/16BSPTx 1/16BSPP-FL	1/2	1/2	1/2
1/16 BSPT	1/8 BSPP	1/16BSPTx 1/8BSPT-FL	1/2	1/2	1/2
1/16 BSPT	1/4 BSPP	1/16BSPTx 1/4BSPP-FL	5/8	5/8	5/8

SAE Standard options also available! Consult factory for details!

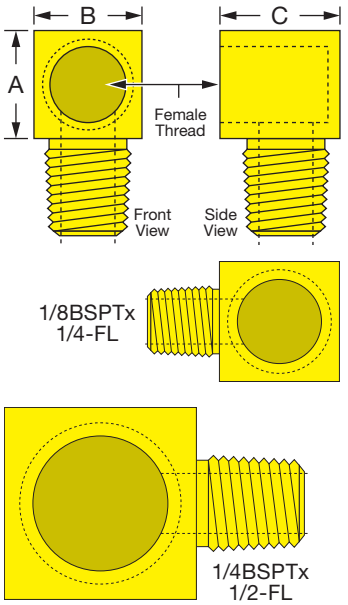


743 1/8 & 1/4 BSPT Male to Female Thread 90° Elbow Adapters

Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Ref.	C Ref.
1/8 BSPT	1/8	1/8BSPTx1/8-FL	1/2	1/2	1/2
1/8 BSPT	1/4	1/8BSPTx1/4-FL	5/8	5/8	1/2
1/8 BSPT	1/8 BSPT	1/8BSPTx 1/8BSPT-FL	1/2	1/2	1/2
1/8 BSPT	1/4 BSPT	1/8BSPTx 1/4BSPT-FL	5/8	5/8	5/8
1/8 BSPT	1/8 BSPP	1/8BSPTx 1/8BSPP-FL	1/2	1/2	1/2
1/8 BSPT	1/4 BSPP	1/8BSPTx 1/4BSPP-FL	5/8	5/8	5/8
1/4 BSPT	1/4	1/4BSPTx1/4-FL	5/8	5/8	5/8
1/4 BSPT	3/8	1/4BSPTx3/8-FL	Consult Factory		
1/4 BSPT	1/2	1/4BSPTx1/2-FL			
1/4 BSPT	3/4	1/4BSPTx3/4-FL			
1/4 BSPT	1	1/4BSPTx1-FL			

Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Ref.	C Ref.
1/4 BSPT	1/4 BSPT	1/4BSPTx 3/1BSPT-FL	Consult Factory		
1/4 BSPT	3/8 BSPT	1/4BSPTx 3/8BSPT-FL			
1/4 BSPT	1/2 BSPT	1/4BSPTx 1/2BSPT-FL			
1/4 BSPT	3/4 BSPT	1/4BSPTx 3/4BSPT-FL			
1/4 BSPT	1 BSPT	1/4BSPTx 1BSPT-FL			
1/4 BSPT	1/4 BSPP	1/4BSPTx 1/4BSPP-FL			
1/4 BSPT	3/8 BSPP	1/4BSPTx 3/8BSPP-FL			
1/4 BSPT	1/2 BSPP	1/4BSPTx 1/2BSPP-FL			
1/4 BSPT	3/4 BSPP	1/4BSPTx 3/4BSPP-FL			
1/4 BSPT	1 BSPP	1/4BSPTx 1BSPP-FL			

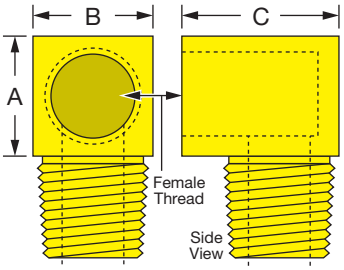
Note: *Images are for visual representation only; not intended for measurements. Dimensions may vary at time of manufacturing.*

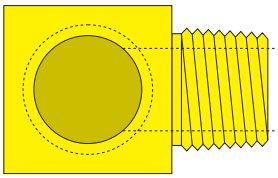


B2

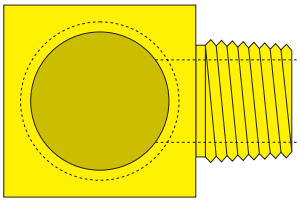
Unless otherwise specified, parts will be Brass. To order other materials, add the following codes to the end of the part number:
-SS = Stainless Steel 303 **-316SS =** Stainless Steel 316 **-AL =** Aluminum 6061-T6 **-NP =** Electroless Nickel Plate

3/8, 1/2, 3/4, & 1 BSPT Male to Female Thread 90° Elbow Adapters — 744





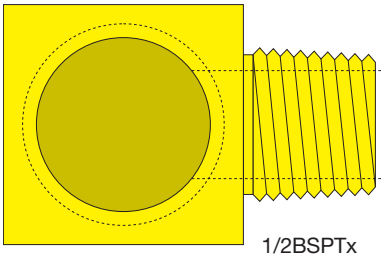
3/8BSPTx3/8-FL



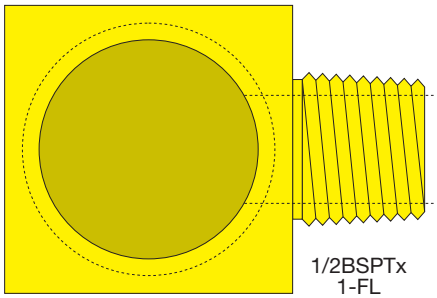
3/8BSPTx1/2BSPT-FL

Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Ref.	C Ref.
3/8 BSPT	3/8	3/8BSPTx3/8-FL	Consult Factory		
3/8 BSPT	1/2	3/8BSPTx1/2-FL			
3/8 BSPT	3/4	3/8BSPTx3/4-FL			
3/8 BSPT	1	3/8BSPTx1-FL			
3/8 BSPT	3/8 BSPT	3/8BSPTx 3/8BSPT-FL			
3/8 BSPT	1/2 BSPT	3/8BSPTx 1/2BSPT-FL			
3/8 BSPT	3/4 BSPT	3/8BSPTx 3/4BSPT-FL			
3/8 BSPT	1 BSPT	3/8BSPTx 1BSPT-FL			
3/8 BSPT	3/8 BSPP	3/8BSPTx 3/8BSPP-FL			
3/8 BSPT	1/2 BSPP	3/8BSPTx 1/2BSPP-FL			
3/8 BSPT	3/4 BSPP	3/8BSPTx 3/4BSPP-FL			
3/8 BSPT	1 BSPP	3/8BSPTx 1BSPP-FL			
1/2 BSPT	1/2	1/2BSPTx1/2-FL			
1/2 BSPT	3/4	1/2BSPTx3/4-FL			
1/2 BSPT	1	1/2BSPTx1-FL			

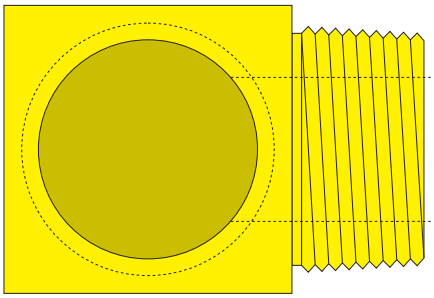
Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Ref.	C Ref.
1/2 BSPT	1/2 BSPT	1/2BSPTx 1/2BSPT-FL	Consult Factory		
1/2 BSPT	3/4 BSPT	1/2BSPTx 3/4BSPT-FL			
1/2 BSPT	1 BSPT	1/2BSPTx 1BSPT-FL			
1/2 BSPT	1/2 BSPP	1/2BSPTx 1/2BSPP-FL			
1/2 BSPT	3/4 BSPP	1/2BSPTx 3/4BSPP-FL			
1/2 BSPT	1 BSPP	1/2BSPTx 1BSPP-FL			
3/4 BSPT	3/4	3/4BSPTx3/4-FL			
3/4 BSPT	1	3/4BSPTx1-FL			
3/4 BSPT	3/4 BSPT	3/4BSPTx 3/4BSPT-FL			
3/4 BSPT	1 BSPT	3/4BSPTx 1BSPT-FL			
3/4 BSPT	3/4 BSPP	3/4BSPTx 3/4BSPP-FL			
3/4 BSPT	1 BSPP	3/4BSPTx 1BSPP-FL			
1 BSPT	1	1BSPTx1-FL			
1 BSPT	1 BSPT	1BSPTx1BSPT-FL			
1 BSPT	1 BSPP	1BSPTx1BSPP-FL			



1/2BSPTx 3/4-FL

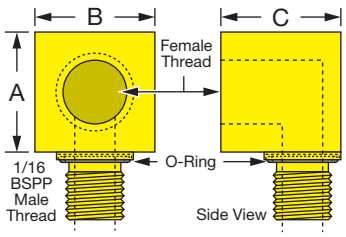


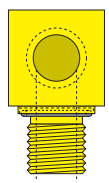
1/2BSPTx 1-FL



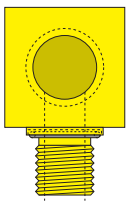
1" BSPT x 1-FL

1/16 BSPP Male to Female Thread 90° Elbow Adapters — 745





1/16BSPPx 1/16-FL



1/16BSPPx1/8-FL

Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Ref.	C Ref.
1/16 BSPP	1/16	1/16BSPPx1/16-FL	Consult Factory		
1/16 BSPP	5/16-18	1/16BSPPx 5/16-18-FL			
1/16 BSPP	5/16-24	1/16BSPPx 5/16-24-FL			
1/16 BSPP	1/8	1/16BSPPx1/8-FL			
1/16 BSPP	1/4	1/16BSPPx1/4-FL			
1/16 BSPP	M8x.75	1/16BSPPx M8x.75-FL			
1/16 BSPP	M8x1	1/16BSPPx M8x1-FL			

Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Ref.	C Ref.
1/16 BSPP	M8x1.25	1/16BSPPx M8x1.25-FL	Consult Factory		
1/16 BSPP	1/16 BSPT	1/16BSPPx 1/16BSPT-FL			
1/16 BSPP	1/8 BSPT	1/16BSPPx 1/8BSPT-FL			
1/16 BSPP	1/4 BSPT	1/16BSPPx 1/4BSPT-FL			
1/16 BSPP	1/16 BSPP	1/16BSPPx 1/16BSPP-FL			
1/16 BSPP	1/8 BSPP	1/16BSPPx 1/8BSPP-FL			
1/16 BSPP	1/4 BSPP	1/16BSPPx 1/4BSPP-FL			

Supplied with standard BUNA-N O-Ring! Other O-Ring material options listed on page 65!

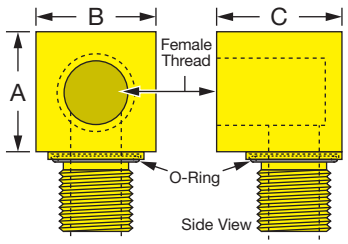
Unless otherwise specified, parts will be Brass. To order other materials, add the following codes to the end of the part number:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -AL = Aluminum 6061-T6 -NP = Electroless Nickel Plate

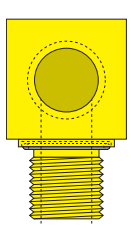
746 — 1/8 & 1/4 BSPP Male to Female Thread 90° Elbow Adapters

Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Ref.	C Ref.
1/8 BSPP	1/8	1/8BSPPx1/8-FL	Consult Factory	Consult Factory	Consult Factory
1/8 BSPP	1/4	1/8BSPPx1/4-FL			
1/8 BSPP	1/8 *BSPT*	1/8BSPPx 1/8BSPT-FL			
1/8 BSPP	1/4 *BSPT*	1/8BSPPx 1/4BSPT-FL			
1/8 BSPP	1/8 BSPP	1/8BSPPx 1/8BSPP-FL			
1/8 BSPP	1/4 BSPP	1/8BSPPx 1/4BSPP-FL			
1/4 BSPP	1/4	1/4BSPPx1/4-FL			
1/4 BSPP	3/8	1/4BSPPx3/8-FL			
1/4 BSPP	1/2	1/4BSPPx1/2-FL			
1/4 BSPP	3/4	1/4BSPPx3/4-FL			

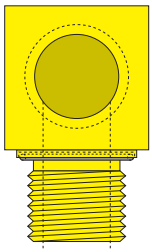
Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Ref.	C Ref.
1/4 BSPP	1	1/4BSPPx1-FL	Consult Factory	Consult Factory	Consult Factory
1/4 BSPP	3/8 *BSPT*	1/4BSPPx 3/8BSPT-FL			
1/4 BSPP	1/2 *BSPT*	1/4BSPPx 1/2BSPT-FL			
1/4 BSPP	3/4 *BSPT*	1/4BSPPx 3/4BSPT-FL			
1/4 BSPP	1 *BSPT*	1/4BSPPx 1BSPT-FL			
1/4 BSPP	3/8 BSPP	1/4BSPPx 3/8BSPP-FL			
1/4 BSPP	1/2 BSPP	1/4BSPPx 1/2BSPP-FL			
1/4 BSPP	3/4 BSPP	1/4BSPPx 3/4BSPP-FL			
1/4 BSPP	1 BSPP	1/4BSPPx 1BSPP-FL			

O-Ring material options listed on page 65!





1/8BSPPx 1/8-FL

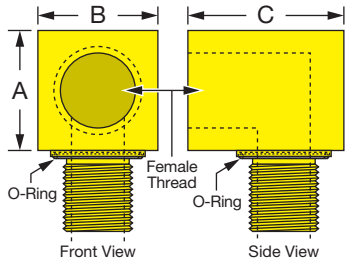


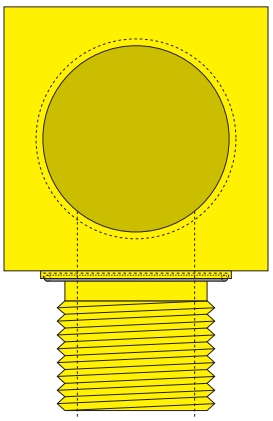
1/4BSPPx1/4-FL

747 — 3/8, 1/2, 3/4, & 1 BSPP Male to Female Thread 90° Elbow Adapters

Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Ref.	C Ref.
3/8 BSPP	3/8	3/8BSPPx3/8-FL	Consult Factory	Consult Factory	Consult Factory
3/8 BSPP	1/2	3/8BSPPx1/2-FL			
3/8 BSPP	3/4	3/8BSPPx3/4-FL			
3/8 BSPP	1	3/8BSPPx1-FL			
3/8 BSPP	3/8 *BSPT*	3/8BSPPx 3/8BSPT-FL			
3/8 BSPP	1/2 *BSPT*	3/8BSPPx 1/2BSPT-FL			
3/8 BSPP	3/4 *BSPT*	3/8BSPPx 3/4BSPT-FL			
3/8 BSPP	1 *BSPT*	3/8BSPPx 1BSPT-FL			
3/8 BSPP	3/8 BSPP	3/8BSPPx 3/8BSPP-FL			
3/8 BSPP	1/2 BSPP	3/8BSPPx 1/2BSPP-FL			
3/8 BSPP	3/4 BSPP	3/8BSPPx 3/4BSPP-FL			
3/8 BSPP	1 BSPP	3/8BSPPx 1BSPP-FL			
1/2 BSPP	1/2	1/2BSPPx1/2-FL			
1/2 BSPP	3/4	1/2BSPPx3/4-FL			
1/2 BSPP	1	1/2BSPPx1-FL			

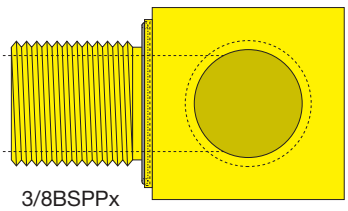
Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Ref.	C Ref.
1/2 BSPP	1/2 *BSPT*	1/2BSPPx 1/2BSPT-FL	Consult Factory	Consult Factory	Consult Factory
1/2 BSPP	3/4 *BSPT*	1/2BSPPx 3/4BSPT-FL			
1/2 BSPP	1 *BSPT*	1/2BSPPx 1BSPT-FL			
1/2 BSPP	1/2 BSPP	1/2BSPPx 1/2BSPP-FL			
1/2 BSPP	3/4 BSPP	1/2BSPPx 3/4BSPP-FL			
1/2 BSPP	1 BSPP	1/2BSPPx 1/2BSPP-FL			
3/4 BSPP	3/4	3/4BSPPx3/4-FL			
3/4 BSPP	1	3/4BSPPx1-FL			
3/4 BSPP	3/4 *BSPT*	3/4BSPPx 3/4BSPT-FL			
3/4 BSPP	1 *BSPT*	3/4BSPPx 1BSPT-FL			
3/4 BSPP	3/4 BSPP	3/4BSPPx 3/4BSPP-FL			
3/4 BSPP	1 BSPP	3/4BSPPx 1BSPP-FL			
1 BSPP	1	1BSPPx1-FL			
1 BSPP	1 *BSPT*	1BSPPx1BSPT-FL			
1 BSPP	1 BSPP	1BSPPx1BSPP-FL			



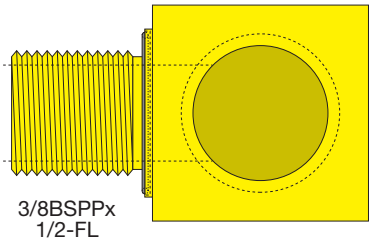


1/2BSPPx3/4BSPT-FL

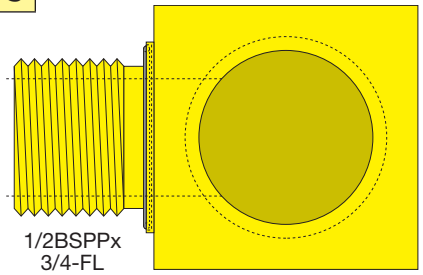
Supplied with Buna-N O-Rings. Other O-Ring material options listed on page 65!



3/8BSPPx 3/8-FL



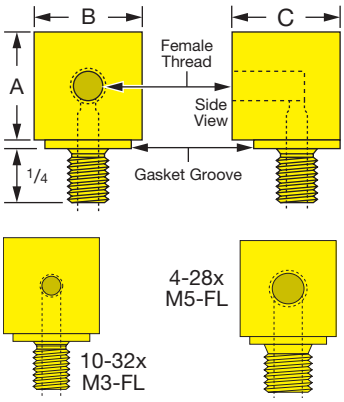
3/8BSPPx 1/2-FL



1/2BSPPx 3/4-FL

Unless otherwise specified, parts will be Brass. To order other materials, add the following codes to the end of the part number:
-SS = Stainless Steel 303 **-316SS =** Stainless Steel 316 **-AL =** Aluminum 6061-T6 **-NP =** Electroless Nickel Plate

Small Thread Male to Female Reducing 90° Elbow Adapters with Fibre Gasket Supplied 748



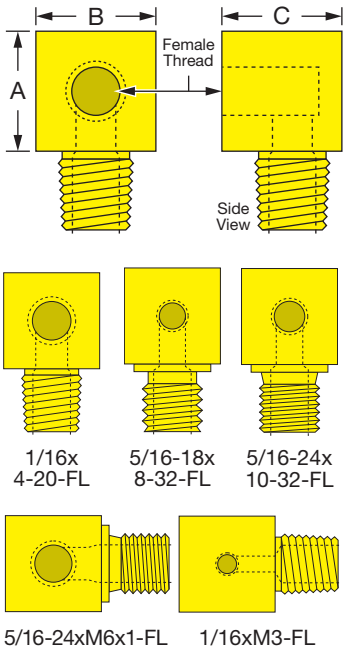
Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Ref.	C Ref.
8-32	M3	8-32xM3-FL	½	½	½
10-32	8-32	10-32x8-32-FL	½	½	½
10-32	M3	10-32xM3-FL	½	½	½
¼-20	8-32	4-20x8-32-32-FL	½	½	½
¼-20	10-32	4-20x10-32-FL	½	½	½
¼-20	M3	4-20xM3-FL	½	½	½
¼-20	M5	4-20xM5-FL	½	½	½

Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Ref.	C Ref.
¼-28	8-32	4-28x8-32-FL	½	½	½
¼-28	10-32	4-28x10-32-FL	½	½	½
¼-28	¼-20	4-28x4-20-FL	½	½	½
¼-28	M3	4-28xM3-FL	½	½	½
¼-28	M5	4-28xM5-FL	½	½	½

O-Ring options also available!

Material options listed on next page!

1/16 NPT, 5/16-18, & 5/16-24 Male to Female Thread Reducing 90° Elbow Adapters 749



Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Ref.	C Ref.
1/16	8-32	1/16x8-32-FL	½	½	½
1/16	10-32	1/16x10-32-FL	½	½	½
1/16	¼-20	1/16x4-20-FL	½	½	½
1/16	¼-28	1/16x4-28-FL	½	½	½
1/16	M3	1/16xM3-FL	½	½	½
1/16	M5	1/16xM5-FL	½	½	½
1/16	M6x.75	1/16xM6x.75-FL	½	½	½
1/16	M6x1	1/16xM6x1-FL	½	½	½
5/16-18	8-32	5/16-18x8-32-FL	½	½	½
5/16-18	10-32	5/16-18x10-32-FL	½	½	½
5/16-18	¼-20	5/16-18x4-20-FL	½	½	½
5/16-18	¼-28	5/16-18x4-28-FL	½	½	½
5/16-18	1/16	5/16-18x1/16-FL	½	½	½

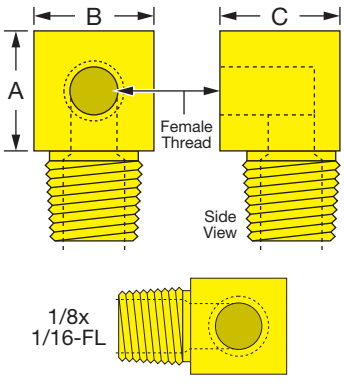
5/16-18 & 5/16-24 Adapters are supplied with Fibre Gaskets!

Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Ref.	C Ref.
5/16-18	M3	5/16-18xM3-FL	½	½	½
5/16-18	M5	5/16-18xM5-FL	½	½	½
5/16-18	M6x.75	5/16-18xM6x.75-FL	½	½	½
5/16-18	M6x1	5/16-18xM6x1-FL	½	½	½
5/16-24	8-32	5/16-24x8-32-FL	½	½	½
5/16-24	10-32	5/16-24x10-32-FL	½	½	½
5/16-24	¼-20	5/16-24x4-20-FL	½	½	½
5/16-24	¼-28	5/16-24x4-28-FL	½	½	½
5/16-24	1/16	5/16-24x1/16-FL	½	½	½
5/16-24	5/16-18	5/16-24x5/16-18-FL	½	½	½
5/16-24	M3	5/16-24xM3-FL	½	½	½
5/16-24	M5	5/16-24xM5-FL	½	½	½
5/16-24	M6x.75	5/16-24xM6x.75-FL	½	½	½
5/16-24	M6x1	5/16-24xM6x1-FL	½	½	½

Material options listed on next page!

B2

1/8 NPT Male to Female Thread Reducing 90° Elbow Adapters 750



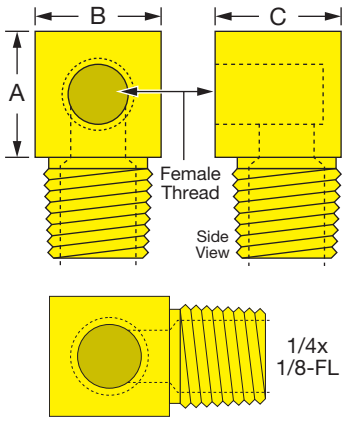
Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Ref.	C Ref.
1/8	8-32	1/8x8-32-FL	½	½	½
1/8	10-32	1/8x10-32-FL	½	½	½
1/8	¼-20	1/8x4-20-FL	½	½	½
1/8	¼-28	1/8x4-28-FL	½	½	½
1/8	1/16	1/8x1/16-FL	½	½	½
1/8	5/16-18	1/8x5/16-18-FL	½	½	½
1/8	5/16-24	1/8x5/16-24-FL	½	½	½
1/8	M3	1/8xM3-FL	½	½	½

Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Ref.	C Ref.
1/8	M5	1/8xM5-FL	½	½	½
1/8	M6x.75	1/8xM6x.75-FL	½	½	½
1/8	M6x1	1/8xM6x1-FL	½	½	½
1/8	M8x.75	1/8xM8x.75-FL	½	½	½
1/8	M8x1	1/8xM8x1-FL	½	½	½
1/8	M8x1.25	1/8xM8x1.25-FL	½	½	½
1/8	1/16 BSPT	1/8x1/16BSPT-FL	½	½	½
1/8	1/16 BSPP	1/8x1/16BSPP-FL	½	½	½

751 — 1/4 NPT Male to Female Thread Reducing 90° Elbow Adapters

Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Ref.	C Ref.
1/4	8-32	1/4x8-32-FL	5/8	5/8	5/8
1/4	10-32	1/4x10-32-FL	5/8	5/8	5/8
1/4	1/4-20	1/4x4-20-FL	5/8	5/8	5/8
1/4	1/4-28	1/4x4-28-FL	5/8	5/8	5/8
1/4	1/16	1/4x1/16-FL	5/8	5/8	5/8
1/4	5/16-18	1/4x5/16-18-FL	5/8	5/8	5/8
1/4	5/16-24	1/4x5/16-24-FL	5/8	5/8	5/8
1/4	1/8	1/4x1/8-FL	5/8	5/8	5/8

Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Ref.	C Ref.
1/4	M3	1/4xM3-FL	5/8	5/8	5/8
1/4	M5	1/4xM5-FL	5/8	5/8	5/8
1/4	M6x.75	1/4xM6x.75-FL	5/8	5/8	5/8
1/4	M6x1	1/4xM6x1-FL	5/8	5/8	5/8
1/4	1/16 BSPT	1/4x1/16BSPT-FL	5/8	5/8	5/8
1/4	1/8 BSPT	1/4x1/8BSPT-FL	5/8	5/8	5/8
1/4	1/16 BSPP	1/4x1/16BSPP-FL	5/8	5/8	5/8
1/4	1/8 BSPP	1/4x1/8BSPP-FL	5/8	5/8	5/8

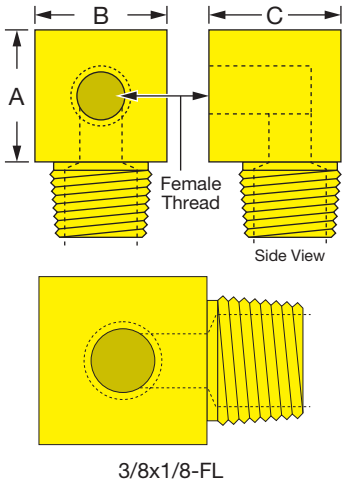


Note: *Images are for visual representation only. Dimensions may vary at time of manufacturing.*

752 — 3/8 NPT Male to Female Thread Reducing 90° Elbow Adapters

Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Ref.	C Ref.
3/8	1/16	3/8x1/16-FL	Consult Factory	Consult Factory	Consult Factory
3/8	5/16-18	3/8x5/16-18-FL	Consult Factory	Consult Factory	Consult Factory
3/8	5/16-24	3/8x5/16-24-FL	Consult Factory	Consult Factory	Consult Factory
3/8	1/8	3/8x1/8-FL	Consult Factory	Consult Factory	Consult Factory
3/8	1/4	3/8x1/4-FL	Consult Factory	Consult Factory	Consult Factory
3/8	M6x.75	3/8xM6x.75-FL	Consult Factory	Consult Factory	Consult Factory
3/8	M6x1	3/8xM6x1-FL	Consult Factory	Consult Factory	Consult Factory
3/8	M8x.75	3/8xM8x.75-FL	Consult Factory	Consult Factory	Consult Factory

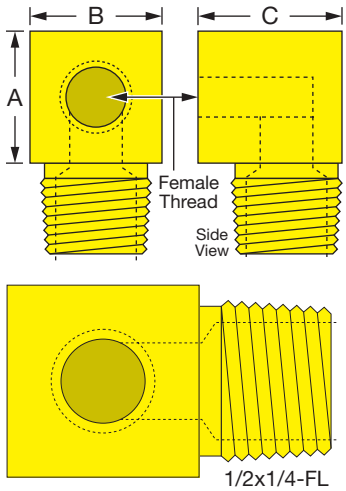
Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Ref.	C Ref.
3/8	M8x1	3/8xM8x1-FL	Consult Factory	Consult Factory	Consult Factory
3/8	M8x1.25	3/8xM8x1.25-FL	Consult Factory	Consult Factory	Consult Factory
3/8	1/16 BSPT	3/8x1/16BSPT-FL	Consult Factory	Consult Factory	Consult Factory
3/8	1/8 BSPT	3/8x1/8BSPT-FL	Consult Factory	Consult Factory	Consult Factory
3/8	1/4 BSPT	3/8x1/4BSPT-FL	Consult Factory	Consult Factory	Consult Factory
3/8	1/16 BSPP	3/8x1/16BSPP-FL	Consult Factory	Consult Factory	Consult Factory
3/8	1/8 BSPP	3/8x1/8BSPP-FL	Consult Factory	Consult Factory	Consult Factory
3/8	1/4 BSPP	3/8x1/4BSPP-FL	Consult Factory	Consult Factory	Consult Factory



753 — 1/2 NPT Male to Female Thread Reducing 90° Elbow Adapters

Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Ref.	C Ref.
1/2	1/8	1/2x1/8-FL	Consult Factory	Consult Factory	Consult Factory
1/2	1/4	1/2x1/4-FL	Consult Factory	Consult Factory	Consult Factory
1/2	3/8	1/2x3/8-FL	Consult Factory	Consult Factory	Consult Factory
1/2	M6x.75	1/2xM6x.75-FL	Consult Factory	Consult Factory	Consult Factory
1/2	M6x1	1/2xM6x1-FL	Consult Factory	Consult Factory	Consult Factory
1/2	M8x.75	1/2xM8x.75-FL	Consult Factory	Consult Factory	Consult Factory
1/2	M8x1	1/2xM8x1-FL	Consult Factory	Consult Factory	Consult Factory
1/2	M8x1.25	1/2xM8x1.25-FL	Consult Factory	Consult Factory	Consult Factory

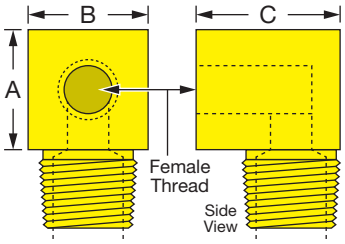
Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Ref.	C Ref.
1/2	1/16 BSPT	1/2x1/16BSPT-FL	Consult Factory	Consult Factory	Consult Factory
1/2	1/8 BSPT	1/2x1/8BSPT-FL	Consult Factory	Consult Factory	Consult Factory
1/2	1/4 BSPT	1/2x1/4BSPT-FL	Consult Factory	Consult Factory	Consult Factory
1/2	3/8 BSPT	1/2x3/8BSPT-FL	Consult Factory	Consult Factory	Consult Factory
1/2	1/16 BSPP	1/2x1/16BSPP-FL	Consult Factory	Consult Factory	Consult Factory
1/2	1/8 BSPP	1/2x1/8BSPP-FL	Consult Factory	Consult Factory	Consult Factory
1/2	1/4 BSPP	1/2x1/4BSPP-FL	Consult Factory	Consult Factory	Consult Factory
1/2	3/8 BSPP	1/2x3/8BSPP-FL	Consult Factory	Consult Factory	Consult Factory

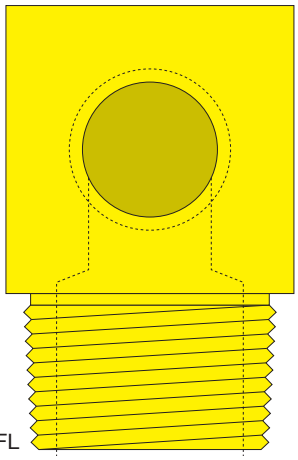


B2

Unless otherwise specified, parts will be Brass. To order other materials, add the following codes to the end of the part number:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -AL = Aluminum 6061-T6 -NP = Electroless Nickel Plate

3/4 & 1 NPT Male to Female Thread Reducing 90° Elbow Adapters 754

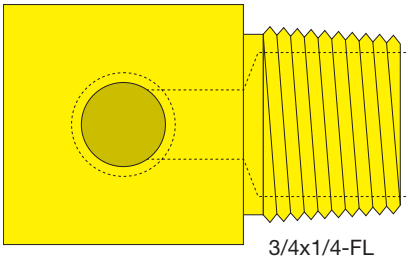


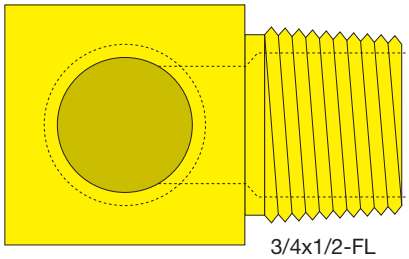


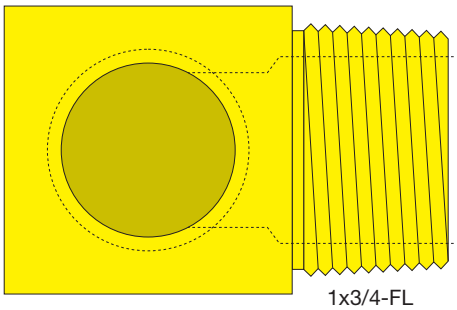
Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Ref.	C Ref.
3/4	1/8	3/4x1/8-FL	Consult Factory	Consult Factory	Consult Factory
3/4	1/4	3/4x1/4-FL	Consult Factory	Consult Factory	Consult Factory
3/4	3/8	3/4x3/8-FL	Consult Factory	Consult Factory	Consult Factory
3/4	1/2	3/4x1/2-FL	Consult Factory	Consult Factory	Consult Factory
3/4	1/16 BSPT	3/4x1/16BSPT-FL	Consult Factory	Consult Factory	Consult Factory
3/4	1/8 BSPT	3/4x1/8BSPT-FL	Consult Factory	Consult Factory	Consult Factory
3/4	1/4 BSPT	3/4x1/4BSPT-FL	Consult Factory	Consult Factory	Consult Factory
3/4	3/8 BSPT	3/4x3/8BSPT-FL	Consult Factory	Consult Factory	Consult Factory
3/4	1/2 BSPT	3/4x1/2BSPT-FL	Consult Factory	Consult Factory	Consult Factory
3/4	1/16 BSPP	3/4x1/16BSPP-FL	Consult Factory	Consult Factory	Consult Factory
3/4	1/8 BSPP	3/4x1/8BSPP-FL	Consult Factory	Consult Factory	Consult Factory
3/4	1/4 BSPP	3/4x1/4BSPP-FL	Consult Factory	Consult Factory	Consult Factory

Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Ref.	C Ref.
3/4	3/8 BSPP	3/4x3/8BSPP-FL	Consult Factory	Consult Factory	Consult Factory
3/4	1/2 BSPP	3/4x1/2BSPP-FL	Consult Factory	Consult Factory	Consult Factory
1	1/4	1x1/4-FL	Consult Factory	Consult Factory	Consult Factory
1	1/2	1x1/2-FL	Consult Factory	Consult Factory	Consult Factory
1	3/4	1x3/4-FL	Consult Factory	Consult Factory	Consult Factory
1	1/4 BSPT	1x1/4BSPT-FL	Consult Factory	Consult Factory	Consult Factory
1	1/2 BSPT	1x1/2BSPT-FL	Consult Factory	Consult Factory	Consult Factory
1	3/4 BSPT	1x3/4BSPT-FL	Consult Factory	Consult Factory	Consult Factory
1	1 BSPT	1x1BSPT-FL	Consult Factory	Consult Factory	Consult Factory
1	1/4 BSPP	1x1/4BSPP-FL	Consult Factory	Consult Factory	Consult Factory
1	1/2 BSPP	1x1/2BSPP-FL	Consult Factory	Consult Factory	Consult Factory
1	3/4 BSPP	1x3/4BSPP-FL	Consult Factory	Consult Factory	Consult Factory

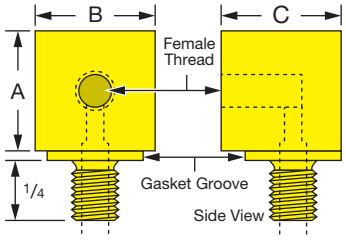
Material options listed on next page!

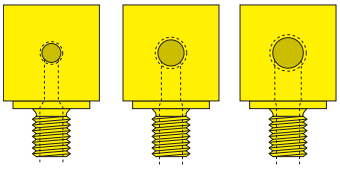

3/4x1/4-FL


3/4x1/2-FL


1x3/4-FL

M5 & M6 Male to Female Thread Reducing 90° Elbow Adapters with Fibre Gasket Supplied 755



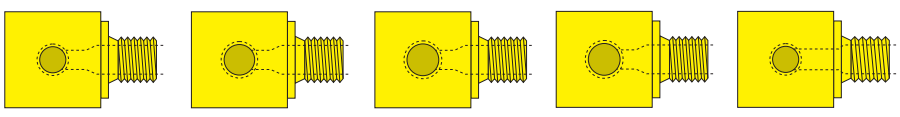

M5x M3-FL
M5x 8-32-FL
M5x 10-32-FL

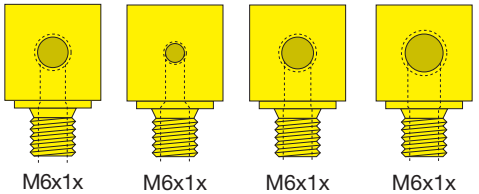
Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Ref.	C Ref.
M5	8-32	M5x8-32-FL	1/2	1/2	1/2
M5	10-32	M5x10-32-FL	1/2	1/2	1/2
M5	M3	M5xM3-FL	1/2	1/2	1/2
M6x.75	8-32	M6x.75x8-32-FL	1/2	1/2	1/2
M6x.75	10-32	M6x.75x10-32-FL	1/2	1/2	1/2
M6x.75	M3	M6x.75xM3-FL	1/2	1/2	1/2
M6x.75	M5	M6x.75xM5-FL	1/2	1/2	1/2

Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Ref.	C Ref.
M6x1	8-32	M6x1x8-32-FL	1/2	1/2	1/2
M6x1	10-32	M6x1x10-32-FL	1/2	1/2	1/2
M6x1	M3	M6x1xM3-FL	1/2	1/2	1/2
M6x1	M5	M6x1xM5-FL	1/2	1/2	1/2
M6x1	M6x.75	M6x1xM6x.75-FL	1/2	1/2	1/2

Material options listed on next page!

O-Ring options also available! See page 65!


M6x.75x8-32-FL
M6x.75x10-32-FL
M6x.75xM3-FL
M6x.75xM5-FL
M6x1x8-32-FL

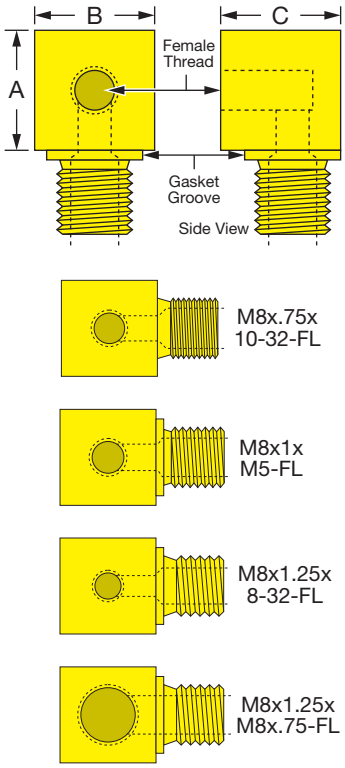

M6x1x 10-32-FL
M6x1x M3-FL
M6x1x M5-FL
M6x1x M6x.75-FL

756 M8 Male to Female Thread Reducing 90° Elbow Adapters with Fibre Gasket Supplied

Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Ref.	C Ref.
M8x.75	8-32	M8x.75x8-32-FL	½	½	½
M8x.75	10-32	M8x.75x10-32-FL	½	½	½
M8x.75	¼-20	M8x.75x4-20-FL	½	½	½
M8x.75	¼-28	M8x.75x4-28-FL	½	½	½
M8x.75	M3	M8x.75xM3-FL	½	½	½
M8x.75	M5	M8x.75xM5-FL	½	½	½
M8x.75	M6x.75	M8x.75xM6x.75-FL	½	½	½
M8x.75	M6x1	M8x.75xM6x1-FL	½	½	½
M8x1	8-32	M8x1x8-32-FL	½	½	½
M8x1	10-32	M8x1x10-32-FL	½	½	½
M8x1	¼-20	M8x1x4-20-FL	½	½	½
M8x1	¼-28	M8x1x4-28-FL	½	½	½
M8x1	M3	M8x1xM3-FL	½	½	½
M8x1	M5	M8x1xM5-FL	½	½	½

Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Ref.	C Ref.
M8x1	M6x.75	M8x1xM6x.75-FL	½	½	½
M8x1	M6x1	M8x1xM6x1-FL	½	½	½
M8x1	M8x.75	M8x1xM8x.75-FL	½	½	½
M8x1.25	8-32	M8x1.25x8-32-FL	½	½	½
M8x1.25	10-32	M8x1.25x10-32-FL	½	½	½
M8x1.25	¼-20	M8x1.25x4-20-FL	½	½	½
M8x1.25	¼-28	M8x1.25x4-28-FL	½	½	½
M8x1.25	M3	M8x1.25xM3-FL	½	½	½
M8x1.25	M5	M8x1.25xM5-FL	½	½	½
M8x1.25	M6x.75	M8x1.25xM6x.75-FL	½	½	½
M8x1.25	M6x1	M8x1.25xM6x1-FL	½	½	½
M8x1.25	M8x.75	M8x1.25xM8x.75-FL	½	½	½
M8x1.25	M8x1	M8x1.25xM8x1-FL	½	½	½

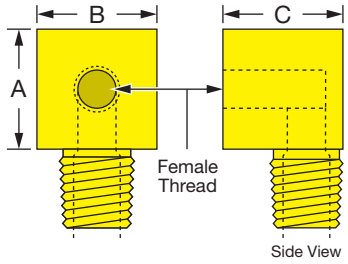
O-Ring options also available! See page 65!

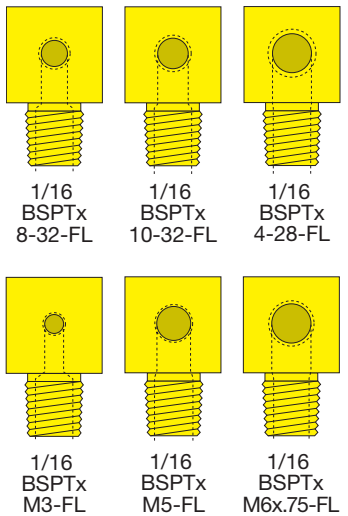


757 1/16 BSPT & 1/8 BSPT Male to Female Thread Reducing 90° Elbow Adapters

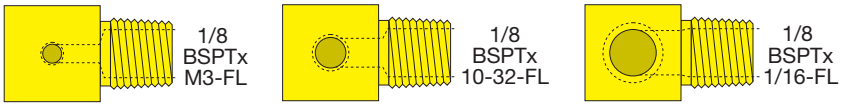
Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Ref.	C Ref.
1/16 BSPT	8-32	1/16BSPTx8-32-FL	½	½	½
1/16 BSPT	10-32	1/16BSPT x10-32-FL	½	½	½
1/16 BSPT	¼-20	1/16BSPTx4-20-FL	½	½	½
1/16 BSPT	¼-28	1/16BSPTx4-28-FL	½	½	½
1/16 BSPT	M3	1/16BSPTx M3-FL	½	½	½
1/16 BSPT	M5	1/16BSPTx M5-FL	½	½	½
1/16 BSPP	M6x.75	1/16BSPPx M6x.75-FL	½	½	½
1/16 BSPP	M6x1	1/16BSPPx M6x1-FL	½	½	½
1/8 BSPT	8-32	1/8BSPTx8-32-FL	½	½	½
1/8 BSPT	10-32	1/8BSPT x10-32-FL	½	½	½
1/8 BSPT	¼-20	1/8BSPTx4-20-FL	½	½	½
1/8 BSPT	¼-28	1/8BSPTx4-28-FL	½	½	½

Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Ref.	C Ref.
1/8 BSPT	1/16	1/8BSPTx1/16-FL	½	½	½
1/8 BSPT	5/16-18	1/8BSPTx5/16-18-FL	½	½	½
1/8 BSPT	5/16-24	1/8BSPTx5/16-24-FL	½	½	½
1/8 BSPT	1/8	1/8BSPTx1/8-FL	½	½	½
1/8 BSPT	M3	1/8BSPTxM3-FL	½	½	½
1/8 BSPT	M5	1/8BSPTxM5-FL	½	½	½
1/8 BSPT	M6x.75	1/8BSPTxM6x.75-FL	½	½	½
1/8 BSPT	M8x1	1/8BSPTxM8x1-FL	½	½	½
1/8 BSPT	M8x1.25	1/8BSPTxM8x1.25-FL	½	½	½
1/8 BSPT	1/16 BSPT	1/8BSPTx 1/16BSPT-FL	½	½	½
1/8 BSPT	1/16 BSPP	1/8BSPTx 1/16BSPP-FL	½	½	½
1/8 BSPT	1/8 BSPP	1/8BSPTx 1/8BSPP-FL	½	½	½



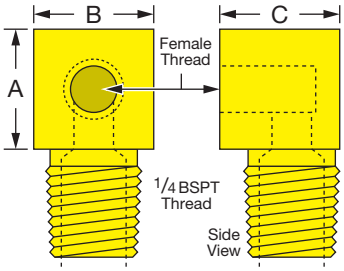


SAE standard threads also available!



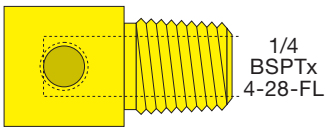
Unless otherwise specified, parts will be Brass. To order other materials, add the following codes to the end of the part number:
-SS = Stainless Steel 303 **-316SS =** Stainless Steel 316 **-AL =** Aluminum 6061-T6 **-NP =** Electroless Nickel Plate

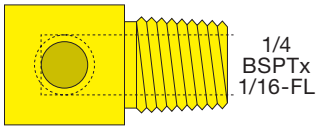
1/4 BSPT Male to Female Thread Reducing 90° Elbow Adapters 758

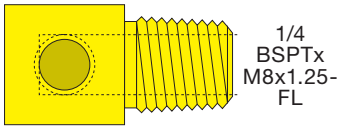


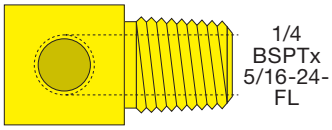
Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Ref.	C Ref.
1/4 BSPT	1/4-28	1/4BSPTx4-28-FL	5/8	5/8	5/8
1/4 BSPT	1/16	1/4BSPTx1/16-FL	5/8	5/8	5/8
1/4 BSPT	5/16-18	1/4BSPTx5/16-18-FL	5/8	5/8	5/8
1/4 BSPT	5/16-24	1/4BSPTx5/16-24-FL	5/8	5/8	5/8
1/4 BSPT	1/8	1/4BSPTx1/8-FL	5/8	5/8	5/8
1/4 BSPT	M6x.75	1/4BSPTxM6x.75-FL	5/8	5/8	5/8
1/4 BSPT	M6x1	1/4BSPTxM6x1-FL	5/8	5/8	5/8

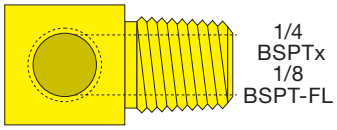
Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Ref.	C Ref.
1/4 BSPT	M8x.75	1/4BSPTxM8x.75-FL	5/8	5/8	5/8
1/4 BSPT	M8x1	1/4BSPTxM8x1-FL	5/8	5/8	5/8
1/4 BSPT	M8x1.25	1/4BSPTxM8x1.25-FL	5/8	5/8	5/8
1/4 BSPT	1/16 BSPT	1/4BSPTx 1/16BSPT-FL	5/8	5/8	5/8
1/4 BSPT	1/8 BSPT	1/4BSPTx1/8BSPT-FL	5/8	5/8	5/8
1/4 BSPT	1/16 BSPP	1/4BSPTx 1/16BSPP-FL	5/8	5/8	5/8
1/4 BSPT	1/8 BSPP	1/4BSPTx 1/8BSPP-FL	5/8	5/8	5/8



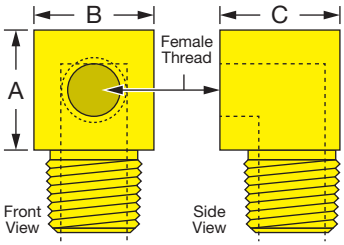






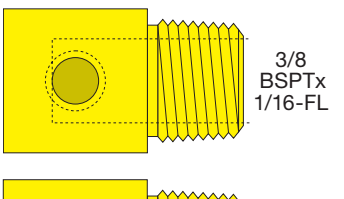


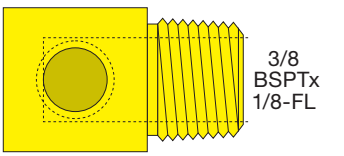
3/8 & 1/2 BSPT Male to Female Thread Reducing 90° Elbow Adapters 759

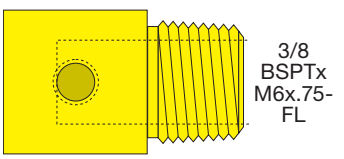


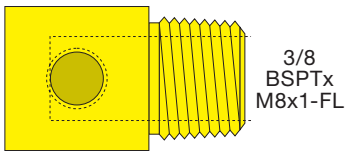
Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Ref.	C Ref.
3/8 BSPT	1/16	3/8BSPTx1/16-FL	Consult Factory	Consult Factory	Consult Factory
3/8 BSPT	5/16-18	3/8BSPTx 5/16-18-FL	Consult Factory	Consult Factory	Consult Factory
3/8 BSPT	5/16-24	3/8BSPTx 5/16-24-FL	Consult Factory	Consult Factory	Consult Factory
3/8 BSPT	1/8	3/8BSPTx1/8-FL	Consult Factory	Consult Factory	Consult Factory
3/8 BSPT	1/4	3/8BSPTx1/4-FL	Consult Factory	Consult Factory	Consult Factory
3/8 BSPT	M6x.75	3/8BSPTxM6x.75-FL	Consult Factory	Consult Factory	Consult Factory
3/8 BSPT	M6x1	3/8BSPTxM6x1-FL	Consult Factory	Consult Factory	Consult Factory
3/8 BSPT	M8x.75	3/8BSPTxM8x.75-FL	Consult Factory	Consult Factory	Consult Factory
3/8 BSPT	M8x1	3/8BSPTxM8x1-FL	Consult Factory	Consult Factory	Consult Factory
3/8 BSPT	M8x1.25	3/8BSPTx M8x1.25-FL	Consult Factory	Consult Factory	Consult Factory
3/8 BSPT	1/16 BSPT	3/8BSPTx 1/16BSPT-FL	Consult Factory	Consult Factory	Consult Factory
3/8 BSPT	1/8 BSPT	3/8BSPTx 1/8BSPT-FL	Consult Factory	Consult Factory	Consult Factory
3/8 BSPT	1/4 BSPT	3/8BSPTx 1/4BSPT-FL	Consult Factory	Consult Factory	Consult Factory

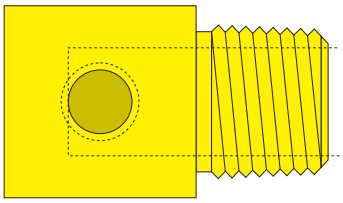
Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Ref.	C Ref.
3/8 BSPT	1/16 BSPP	3/8BSPTx 1/16BSPP-FL	Consult Factory	Consult Factory	Consult Factory
3/8 BSPT	1/8 BSPP	3/8BSPTx 1/8BSPP-FL	Consult Factory	Consult Factory	Consult Factory
3/8 BSPT	1/4 BSPP	3/8BSPTx 1/4BSPP-FL	Consult Factory	Consult Factory	Consult Factory
1/2 BSPT	1/8	1/2BSPTx1/8-FL	Consult Factory	Consult Factory	Consult Factory
1/2 BSPT	1/4	1/2BSPTx1/4-FL	Consult Factory	Consult Factory	Consult Factory
1/2 BSPT	3/8	1/2BSPTx3/8-FL	Consult Factory	Consult Factory	Consult Factory
1/2 BSPT	M8x.75	1/2BSPTx M8x.75-FL	Consult Factory	Consult Factory	Consult Factory
1/2 BSPT	M8x1	1/2BSPTx M8x1-FL	Consult Factory	Consult Factory	Consult Factory
1/2 BSPT	M8x1.25	1/2BSPTx M8x1.25-FL	Consult Factory	Consult Factory	Consult Factory
1/2 BSPT	1/4 BSPT	1/2BSPTx 1/4BSPT-FL	Consult Factory	Consult Factory	Consult Factory
1/2 BSPT	3/8 BSPT	1/2BSPTx 3/8BSPT-FL	Consult Factory	Consult Factory	Consult Factory
1/2 BSPT	1/4 BSPP	1/2BSPTx 1/4BSPP-FL	Consult Factory	Consult Factory	Consult Factory
1/2 BSPT	3/8 BSPP	1/2BSPTx 3/8BSPP-FL	Consult Factory	Consult Factory	Consult Factory

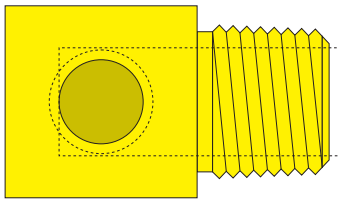


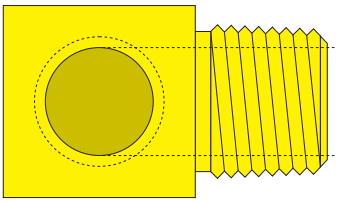







1/2BSPTx1/8-FL


1/2BSPTx1/4-FL


1/2BSPTx3/8-FL

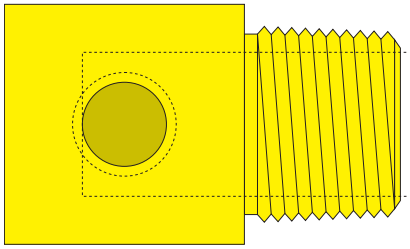
Note: *Images are for visual representation only; not intended for dimensional measurements.*

Unless otherwise specified, parts will be Brass. To order other materials, add the following codes to the end of the part number:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -AL = Aluminum 6061-T6 -NP = Electroless Nickel Plate

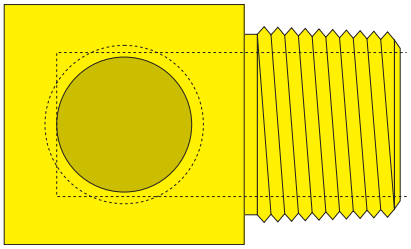
760 — 3/4 & 1 BSPT Male to Female Thread Reducing 90° Elbow Adapters

Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Ref.	C Ref.
3/4 BSPT	1/4	3/4BSPTx1/4-FL	Consult Factory	Consult Factory	Consult Factory
3/4 BSPT	3/8	3/4BSPTx3/8-FL			
3/4 BSPT	1/2	3/4BSPTx1/2-FL			
3/4 BSPT	3/4	3/4BSPTx3/4-FL			
3/4 BSPT	1/4 BSPT	3/4BSPTx 1/4BSPT-FL			
3/4 BSPT	3/8 BSPT	3/4BSPTx 3/8BSPT-FL			
3/4 BSPT	1/2 BSPT	3/4BSPTx 1/2BSPT-FL			
3/4 BSPT	1/4 BSPP	3/4BSPTx 1/4BSPP-FL			
3/4 BSPT	3/8 BSPP	3/4BSPTx 3/8BSPP-FL			
3/4 BSPT	1/2 BSPP	3/4BSPTx 1/2BSPP-FL			
3/4 BSPT	3/4 BSPP	3/4BSPTx 3/4BSPP-FL			
1 BSPT	1/2	1BSPTx1/2-FL			
1 BSPT	3/4	1BSPTx3/4-FL			
1 BSPT	1	1BSPTx1-FL			
1 BSPT	1/2 BSPT	1BSPTx1/2BSPT-FL			
1 BSPT	3/4 BSPT	1BSPTx3/4BSPT-FL			
1 BSPT	1/2 BSPP	1BSPTx1/2BSPP-FL			
1 BSPT	3/4 BSPP	1BSPTx3/4BSPP-FL			
1 BSPT	1 BSPP	1BSPTx1BSPP-FL			

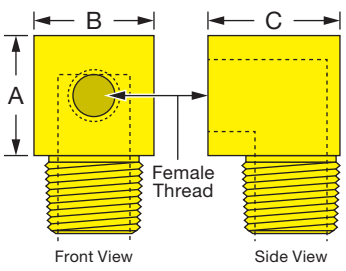
Material options listed on previous page.

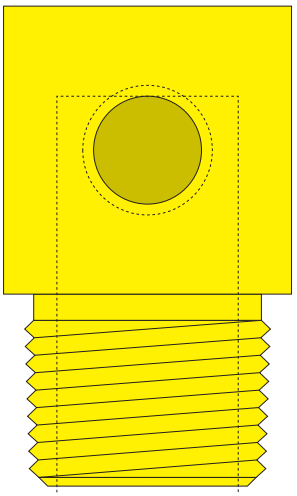


3/4 BSPTx 1/4-FL



3/4 BSPTx 1/2-FL





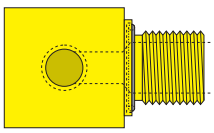
1BSPTx3/8-FL

Note: *Images are for visual representation only; not intended for dimensional measurements.*

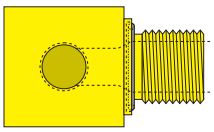
761 — 1/16 & 1/8 BSPP Male to Female Thread Reducing 90° Elbow Adapters

Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Ref.	C Ref.
1/16 BSPP	8-32	1/16BSPPx8-32-FL	Consult Factory	Consult Factory	Consult Factory
1/16 BSPP	10-32	1/16BSPPx 10-32-FL			
1/16 BSPP	1/4-20	1/16BSPPx4-20-FL			
1/16 BSPP	1/4-28	1/16BSPPx4-28-FL			
1/16 BSPP	M3	1/16BSPPxM3-FL			
1/16 BSPP	M5	1/16BSPPxM5-FL			
1/16 BSPP	M6x.75	1/16BSPPx M6x.75-FL			
1/16 BSPP	M6x1	1/16BSPPx M6x1-FL			
1/8 BSPP	8-32	1/8BSPPx8-32-FL			
1/8 BSPP	10-32	1/8BSPPx 10-32-FL			
1/8 BSPP	1/4-20	1/8BSPPx4-20-FL			
1/8 BSPP	1/4-28	1/8BSPPx4-28-FL			
1/8 BSPP	1/16	1/8BSPPx1/16-FL			
1/8 BSPP	5/16-18	1/8BSPPx 5/16-18-FL			
1/8 BSPP	5/16-24	1/8BSPPx 5/16-24-FL			
1/8 BSPP	M3	1/8BSPPxM3-FL			
1/8 BSPP	M5	1/8BSPPxM5-FL			
1/8 BSPP	M6x.75	1/8BSPPxM6x.75-FL			
1/8 BSPP	M6x1	1/8BSPPxM6x1-FL			
1/8 BSPP	M8x.75	1/8BSPPxM8x.75-FL			
1/8 BSPP	M8x1	1/8BSPPxM8x1-FL			
1/8 BSPP	M8x1.25	1/8BSPPxM8x1.25-FL			
1/8 BSPP	1/16 BSPT	1/8BSPPx 1/16BSPT-FL			
1/8 BSPP	1/16 BSPP	1/8BSPPx1/16 BSPP-FL			

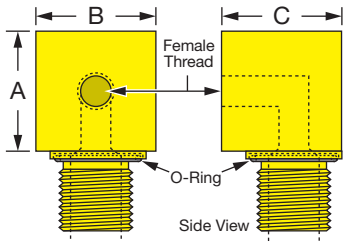
Supplied with BUNA-N O-Ring! Other O-Ring material options listed on page 65!

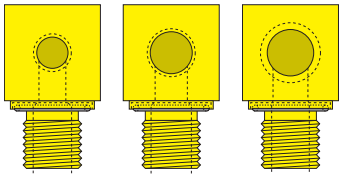


1/8BSPPx1/16-FL

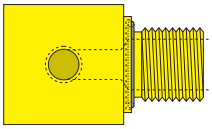


1/8BSPPx4-28-FL

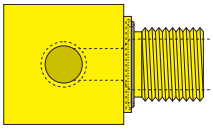




1/16 BSPPx M5-FL | 1/16 BSPPx 4-20-FL | 1/16 BSPPx 1/16-FL



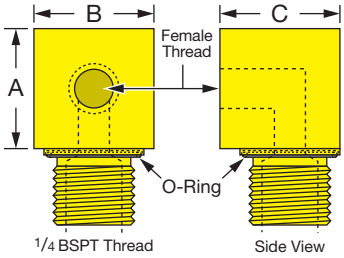
1/8 BSPPx 10-32-FL

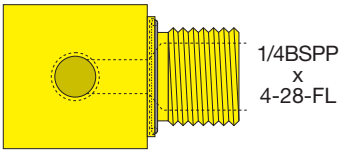


1/8 BSPPx M6x.75-FL

B2

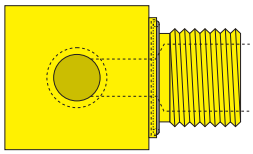
1/4 BSPP Male to Female Thread Reducing 90° Elbow Adapters 762

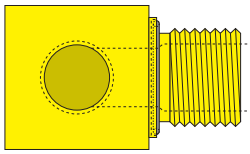


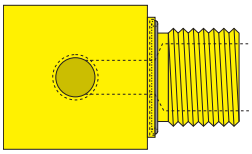


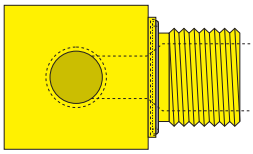
Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Ref.	C Ref.
1/4 BSPP	1/4-28	1/4BSPPx4-28-FL	Consult Factory		
1/4 BSPP	1/16	1/4BSPPx1/16-FL			
1/4 BSPP	5/16-18	1/4BSPPx 5/16-18-FL			
1/4 BSPP	5/16-24	1/4BSPPx 5/16-24-FL			
1/4 BSPP	1/8	1/4BSPPx1/8-FL			
1/4 BSPP	M6x.75	1/4BSPPxM6x.75-FL			
1/4 BSPP	M6x1	1/4BSPPxM6x1-FL			

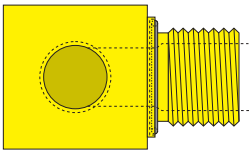
Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Ref.	C Ref.
1/4 BSPP	M8x.75	1/4BSPPxM8x.75-FL	Consult Factory		
1/4 BSPP	M8x1	1/4BSPPxM8x1-FL			
1/4 BSPP	M8x1.25	1/4BSPPx M8x1.25-FL			
1/4 BSPP	1/16 BSPT	1/4BSPPx 1/16BSPT-FL			
1/4 BSPP	1/8 BSPT	1/4BSPPx 1/8BSPT-FL			
1/4 BSPP	1/16 BSPP	1/4BSPPx 1/16BSPP-FL			
1/4 BSPP	1/8 BSPP	1/4BSPPx 1/8BSPP-FL			


1/4BSPPx1/16-FL

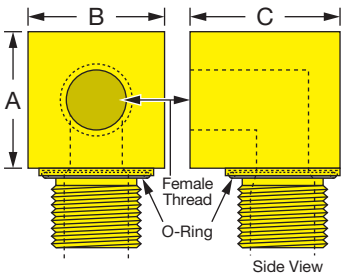

1/4BSPPx1/8-FL

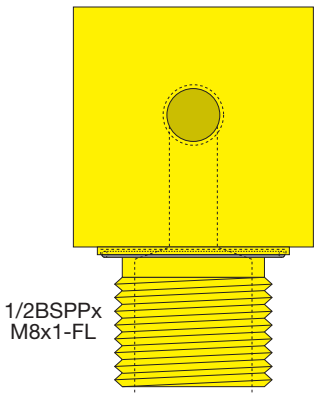

1/4BSPPxM6x.75-FL


1/4BSPPxM8x1-FL


1/4BSPPx1/8BSPT-FL

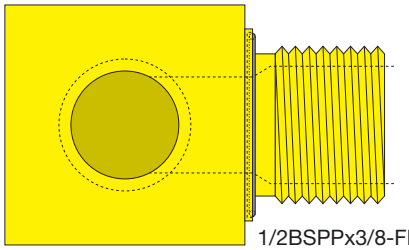
3/8 & 1/2 BSPP Male to Female Thread Reducing 90° Elbow Adapters 763

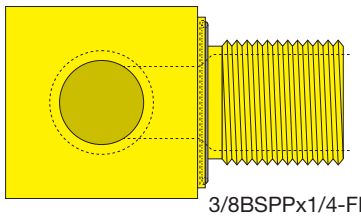


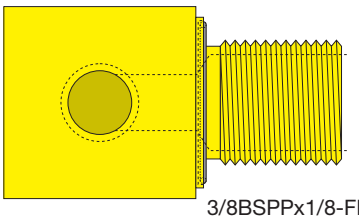


Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Ref.	C Ref.
3/8 BSPP	1/16	3/8BSPPx1/16-FL	Consult Factory		
3/8 BSPP	5/16-18	3/8BSPPx 5/16-18-FL			
3/8 BSPP	5/16-24	3/8BSPPx 5/16-24-FL			
3/8 BSPP	1/8	3/8BSPPx1/8-FL			
3/8 BSPP	1/4	3/8BSPPx1/4-FL			
3/8 BSPP	M6x.75	3/8BSPPx M6x.75-FL			
3/8 BSPP	M6x1	3/8BSPPxM6x1-FL			
3/8 BSPP	M8x.75	3/8BSPPx M8x.75-FL			
3/8 BSPP	M8x1	3/8BSPPx M8x1-FL			
3/8 BSPP	M8x1.25	3/8BSPPx M8x1.25-FL			
3/8 BSPP	1/16 BSPT	3/8BSPPx 1/16BSPT-FL			
3/8 BSPP	1/8 BSPT	3/8BSPPx 1/8BSPT-FL			
3/8 BSPP	1/4 BSPT	3/8BSPPx 1/4BSPT-FL			

Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Ref.	C Ref.
3/8 BSPP	1/16 BSPP	3/8BSPPx 1/16BSPP-FL	Consult Factory		
3/8 BSPP	1/8 BSPP	3/8BSPPx 1/8BSPP-FL			
3/8 BSPP	1/4 BSPP	3/8BSPPx 1/4BSPP-FL			
1/2 BSPP	1/8	1/2BSPPx1/8-FL			
1/2 BSPP	1/4	1/2BSPPx1/4-FL			
1/2 BSPP	3/8	1/2BSPPx3/8-FL			
1/2 BSPP	M8x.75	1/2BSPPx M8x.75-FL			
1/2 BSPP	M8x1	1/2BSPPx M8x1-FL			
1/2 BSPP	M8x1.25	1/2BSPPx M8x1.25-FL			
1/2 BSPP	1/4 BSPT	1/2BSPPx 1/4BSPT-FL			
1/2 BSPP	3/8 BSPT	1/2BSPPx 3/8BSPT-FL			
1/2 BSPP	1/4 BSPP	1/2BSPPx 1/4BSPP-FL			
1/2 BSPP	3/8 BSPP	1/2BSPPx 3/8BSPP-FL			


1/2BSPPx3/8-FL


3/8BSPPx1/4-FL


3/8BSPPx1/8-FL

O-Ring material options listed on page 65!

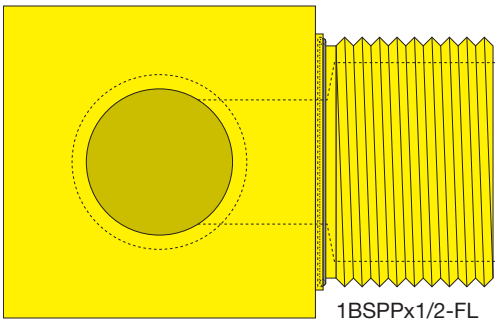
Unless otherwise specified, parts will be Brass. To order other materials, add the following codes to the end of the part number:
-SS = Stainless Steel 303 **-316SS =** Stainless Steel 316 **-AL =** Aluminum 6061-T6 **-NP =** Electroless Nickel Plate

764 — 3/4 & 1 BSPP Male to Female Thread Reducing 90° Elbow Adapters

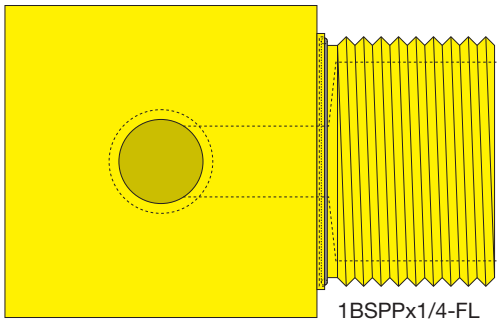
Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Ref.	C Ref.
¾ BSPP	¼	3/4BSPPx1/4-FL	Consult Factory	Consult Factory	Consult Factory
¾ BSPP	⅜	3/4BSPPx3/8-FL			
¾ BSPP	½	3/4BSPPx1/2-FL			
¾ BSPP	¾	3/4BSPPx3/4-FL			
¾ BSPP	¼ *BSPT*	3/4BSPPx 1/4BSPT-FL			
¾ BSPP	⅜ *BSPT*	3/4BSPPx 3/8BSPT-FL			
¾ BSPP	½ *BSPT*	3/4BSPPx 1/2BSPT-FL			
¾ BSPP	¾ *BSPT*	3/4BSPPx 3/4BSPT-FL			
¾ BSPP	¼ BSPP	3/4BSPPx 1/4BSPP-FL			

Male Thread	Female Thread	Part Numbers Brass	Dimensions (Reference) A Ref.	B Ref.	C Ref.
¾ BSPP	⅜ BSPP	3/4BSPPx 3/8BSPP-FL	Consult Factory	Consult Factory	Consult Factory
¾ BSPP	½ BSPP	3/4BSPPx 1/2BSPP-FL			
1 BSPP	½	1BSPPx1/2-FL			
1 BSPP	¾	1BSPPx3/4-FL			
1 BSPP	1	1BSPPx1-FL			
11 BSPP	½ *BSPT*	1BSPPx 1/2BSPT-FL			
1 BSPP	¾ *BSPT*	1BSPPx 3/4BSPT-FL			
1 BSPP	1 *BSPT*	1BSPPx 1BSPT-FL			
1 BSPP	½ BSPP	1BSPPx 1/2BSPP-FL			
1 BSPP	¾ BSPP	1BSPPx 3/4BSPP-FL			

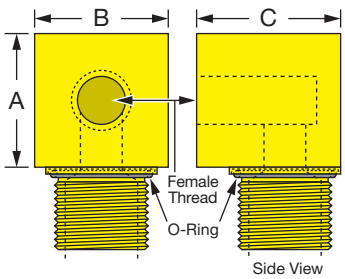
Note: *Images are for visual representation only; not intended for measurements. Dimensions may vary at time of manufacturing.*

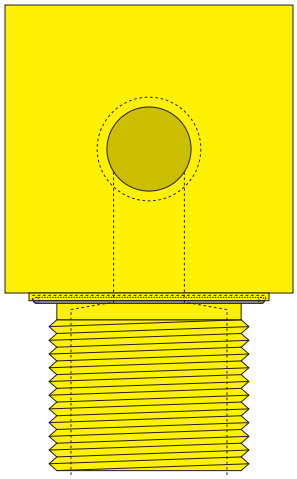


1BSPPx1/2-FL



1BSPPx1/4-FL





3/4BSPPx1/4-FL

Supplied with BUNA-N O-Ring! Other O-Ring material options listed on page 65!

765 — Male to Female Thread 45° Elbow Adapters

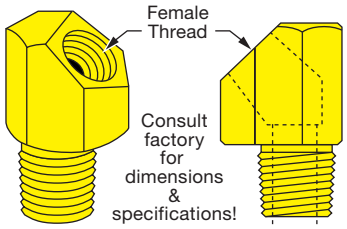
Standard Thread Sizes	
8-32	5/16-24
10-32	⅛
¼-20	¼
¼-28	⅜-24
1/16	⅜
5/16-18	½

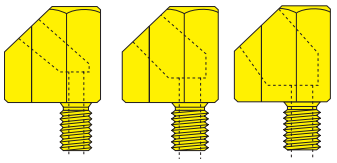
Metric Thread Sizes	
M3	M8x.75
M5	M8x1
M6x.75	M8x1.25
M6x1	M10x1

O-Ring options available! Materials listed on page 65!

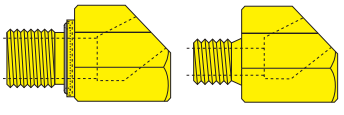
BSPT & BSPP Thread Sizes	
1/16 *BSPT*	1/16 BSPP
⅛ *BSPT*	⅛ BSPP
¼ *BSPT*	¼ BSPP
⅜ *BSPT*	⅜ BSPP
½ *BSPT*	½ BSPP

Larger threads available!





8-32x10-32-FL-45° | 10-32x 4-28-FL-45° | 10-32x 1/8-FL-45°



1/16BSPPx 4-28-FL-45° | M6x1x 10-32-FL-45°

Part Numbers for Male to Female Thread 45° Elbow Adapters:

Male Thread Size → ## x ## - FL-45° ← Fitting Series

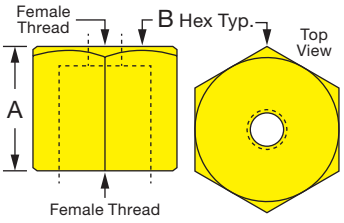
Female Thread Size

Other metric thread options available:
M4 • M7x1 • M10x.75 • M10x1.25 • M10x1.5 • M12x1 • M12x1.25 • M12x1.5
Lead times and minimum quantities apply! Consult factory for details!

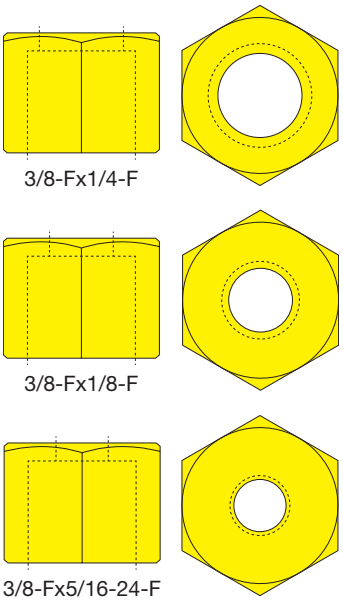
Unless otherwise specified, parts will be Brass. To order other materials, add the following codes to the end of the part number:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -AL = Aluminum 6061-T6 -NP = Electroless Nickel Plate

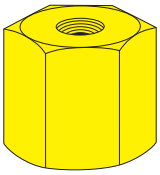
B2

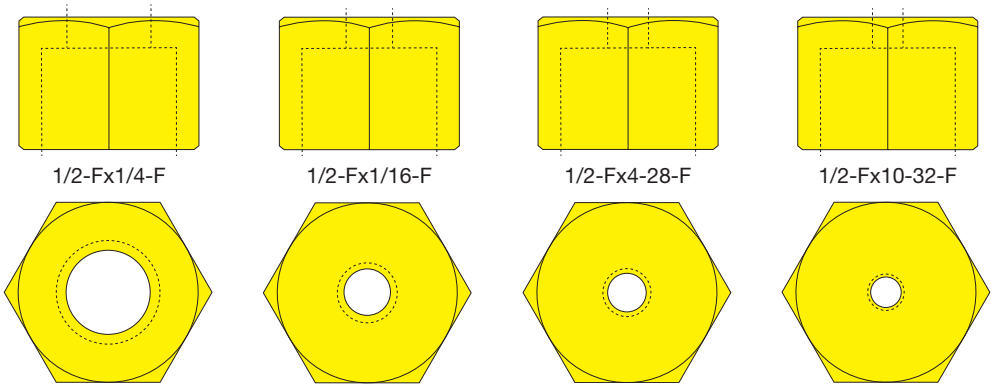
Reducing Female x Female Hex Cap Adapters 766



Bottom Female Thread	Top Female Thread	Part Numbers					Dimensions (Reference)	
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.
1/2	3/8	1/2-Fx3/8-F	1/2-Fx3/8-F-SS	1/2-Fx3/8-F-316SS	1/2-Fx3/8-F-AL	1/2-Fx3/8-F-NP	11/16	15/16
1/2	1/4	1/2-Fx1/4-F	1/2-Fx1/4-F-SS	1/2-Fx1/4-F-316SS	1/2-Fx1/4-F-AL	1/2-Fx1/4-F-NP	11/16	15/16
1/2	1/8	1/2-Fx1/8-F	1/2-Fx1/8-F-SS	1/2-Fx1/8-F-316SS	1/2-Fx1/8-F-AL	1/2-Fx1/8-F-NP	11/16	15/16
1/2	5/16-24	1/2-Fx 5/16-24-F	1/2-Fx 5/16-24-F-SS	1/2-Fx5/16-24-F-316SS	1/2-Fx 5/16-24-F-AL	1/2-Fx 5/16-24-F-NP	11/16	15/16
1/2	5/16-18	1/2-Fx 5/16-18-F	1/2-Fx 5/16-18-F-SS	1/2-Fx5/16-18-F-316SS	1/2-Fx 5/16-18-F-AL	1/2-Fx 5/16-18-F-NP	11/16	15/16
1/2	1/16	1/2-Fx1/16-F	1/2-Fx 1/16-F-SS	1/2-Fx 1/16-F-316SS	1/2-Fx 1/16-F-AL	1/2-Fx 1/16-F-NP	11/16	15/16
1/2	1/4-28	1/2-Fx4-28-F	1/2-Fx 4-28-F-SS	1/2-Fx 4-28-F-316SS	1/2-Fx 4-28-F-AL	1/2-Fx 4-28-F-NP	11/16	15/16
1/2	1/4-20	1/2-Fx4-20-F	1/2-Fx 4-20-F-SS	1/2-Fx 4-20-F-316SS	1/2-Fx 4-20-F-AL	1/2-Fx 4-20-F-NP	11/16	15/16
1/2	10-32	1/2-Fx 10-32-F	1/2-Fx 10-32-F-SS	1/2-Fx 10-32-F-316SS	1/2-Fx 10-32-F-AL	1/2-Fx 10-32-F-NP	11/16	15/16
1/2	8-32	1/2-Fx8-32-F	1/2-Fx 8-32-F-SS	1/2-Fx 8-32-F-316SS	1/2-Fx 8-32-F-AL	1/2-Fx 8-32-F-NP	11/16	15/16
3/8	1/4	3/8-Fx1/4-F	3/8-Fx1/4-F-SS	3/8-Fx1/4-F-316SS	3/8-Fx1/4-F-AL	3/8-Fx1/4-F-NP	5/8	13/16
3/8	1/8	3/8-Fx1/8-F	3/8-Fx1/8-F-SS	3/8-Fx1/8-F-316SS	3/8-Fx1/8-F-AL	3/8-Fx1/8-F-NP	5/8	13/16
3/8	5/16-24	3/8-Fx 5/16-24-F	3/8-Fx 5/16-24-F-SS	3/8-Fx5/16-24-F-316SS	3/8-Fx 5/16-24-F-AL	3/8-Fx 5/16-24-F-NP	5/8	13/16
3/8	5/16-18	3/8-Fx 5/16-18-F	3/8-Fx 5/16-18-F-SS	3/8-Fx5/16-18-F-316SS	3/8-Fx 5/16-18-F-AL	3/8-Fx 5/16-18-F-NP	5/8	13/16
3/8	1/16	3/8-Fx1/16-F	3/8-Fx 1/16-F-SS	3/8-x 1/16-F-316SS	3/8-X 1/16-F-AL	3/8-X 1/16-F-NP	5/8	13/16
3/8	1/4-28	3/8-Fx4-28-F	3/8-Fx 4-28-F-SS	3/8-Fx 4-28-F-316SS	3/8-Fx 4-28-F-AL	3/8-Fx 4-28-F-NP	5/8	13/16
3/8	1/4-20	3/8-Fx4-20-F	3/8-Fx 4-20-F-SS	3/8-Fx 4-20-F-316SS	3/8-Fx 4-20-F-AL	3/8-Fx 4-20-F-NP	5/8	13/16
3/8	10-32	3/8-Fx 10-32-F	3/8-Fx 10-32-F-SS	3/8-Fx 10-32-F-316SS	3/8-Fx 10-32-F-AL	3/8-Fx 10-32-F-NP	5/8	13/16
3/8	8-32	3/8-Fx8-32-F	3/8-Fx 8-32-F-SS	3/8-Fx 8-32-F-316SS	3/8-Fx 8-32-F-AL	3/8-Fx 8-32-F-NP	5/8	13/16
1/4	1/8	1/4-Fx1/8-F	1/4-Fx1/8-F-SS	1/4-Fx1/8-F-316SS	1/4-Fx1/8-F-AL	1/4-Fx1/8-F-NP	.595	11/16
1/4	5/16-24	1/4-Fx 5/16-24-F	1/4-Fx 5/16-24-F-SS	1/4-Fx5/16-24-F-316SS	1/4-Fx 5/16-24-F-AL	1/4-Fx 5/16-24-F-NP	.595	11/16
1/4	5/16-18	1/4-Fx 5/16-18-F	1/4-Fx 5/16-18-F-SS	1/4-Fx5/16-18-F-316SS	1/4-Fx 5/16-18-F-AL	1/4-Fx 5/16-18-F-NP	.595	11/16
1/4	1/16	1/4-Fx1/16-F	1/4-Fx 1/16-F-SS	1/4-Fx 1/16-F-316SS	1/4-Fx 1/16-F-AL	1/4-Fx 1/16-F-NP	.595	11/16
1/4	1/4-28	1/4-Fx4-28-F	1/4-Fx 4-28-F-SS	1/4-Fx 4-28-F-316SS	1/4-Fx 4-28-F-AL	1/4-Fx 4-28-F-NP	.595	11/16
1/4	1/4-20	1/4-Fx4-20-F	1/4-Fx 4-20-F-SS	1/4-Fx 4-20-F-316SS	1/4-Fx 4-20-F-AL	1/4-Fx 4-20-F-NP	.595	11/16
1/4	10-32	1/4-Fx 10-32-F	1/4-Fx 10-32-F-SS	1/4-Fx 10-32-F-316SS	1/4-Fx 10-32-F-AL	1/4-Fx 10-32-F-NP	.595	11/16
1/4	8-32	1/4-Fx8-32-F	1/4-Fx 8-32-F-SS	1/4-Fx 8-32-F-316SS	1/4-Fx 8-32-F-AL	1/4-Fx 8-32-F-NP	.595	11/16



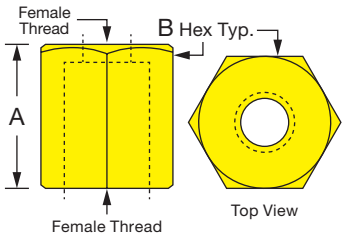


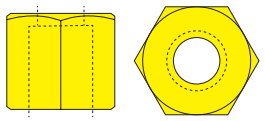


C2

767 Reducing Female x Female Hex Cap Adapters

Bottom Female Thread	Top Female Thread	Part Numbers					Dimensions (Reference)	
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.
1/8	5/16-24	1/8-Fx 5/16-24-F	1/8-Fx 5/16-24-F-SS	1/8-Fx5/16-24-F-316SS	1/8-Fx 5/16-24-F-AL	1/8-Fx 5/16-24-F-NP	1/2	9/16
1/8	5/16-18	1/8-Fx 5/16-18-F	1/8-Fx 5/16-18-F-SS	1/8-Fx5/16-18-F-316SS	1/8-Fx 5/16-18-F-AL	1/8-Fx 5/16-18-F-NP	1/2	9/16
1/8	1/16	1/8-Fx1/16-F	1/8-Fx 1/16-F-SS	1/8-Fx 1/16-F-316SS	1/8-Fx 1/16-F-AL	1/8-Fx 1/16-F-NP	1/2	9/16
1/8	1/4-28	1/8-Fx4-28-F	1/8-Fx 4-28-F-SS	1/8-Fx 4-28-F-316SS	1/8-Fx 4-28-F-AL	1/8-Fx 4-28-F-NP	1/2	9/16
1/8	1/4-20	1/8-Fx4-20-F	1/8-Fx 4-20-F-SS	1/8-Fx 4-20-F-316SS	1/8-Fx 4-20-F-AL	1/8-Fx 4-20-F-NP	1/2	9/16
1/8	10-32	1/8-Fx 10-32-F	1/8-Fx 10-32-F-SS	1/8-Fx 10-32-F-316SS	1/8-Fx 10-32-F-AL	1/8-Fx 10-32-F-NP	1/2	9/16
1/8	8-32	1/8-Fx8-32-F	1/8-Fx 8-32-F-SS	1/8-Fx 8-32-F-316SS	1/8-Fx 8-32-F-AL	1/8-Fx 8-32-F-NP	1/2	9/16
5/16-24	5/16-18	5/16-24-Fx 5/16-18-F	5/16-24-Fx 5/16-18-F-SS	5/16-24-Fx5/16-18-F-316SS	5/16-24-Fx 5/16-18-F-AL	5/16-24-Fx 5/16-18-F-NP	7/16	1/2
5/16-24	1/16	5/16-24-Fx 1/16-F	5/16-24-Fx 1/16-F-SS	5/16-24-Fx 1/16-F-316SS	5/16-24-Fx 1/16-F-AL	5/16-24-Fx 1/16-F-NP	7/16	1/2
5/16-24	1/4-28	5/16-24-Fx 4-28-F	5/16-24-Fx 4-28-F-SS	5/16-24-Fx 4-28-F-316SS	5/16-24-Fx 4-28-F-AL	5/16-24-Fx 4-28-F-NP	7/16	1/2
5/16-24	1/4-20	5/16-24-Fx 4-20-F	5/16-24-Fx 4-20-F-SS	5/16-24-Fx 4-20-F-316SS	5/16-24-Fx 4-20-F-AL	5/16-24-Fx 4-20-F-NP	7/16	1/2
5/16-24	10-32	5/16-24-Fx 10-32-F	5/16-24-Fx 10-32-F-SS	5/16-24-Fx 10-32-F-316SS	5/16-24-Fx 10-32-F-AL	5/16-24-Fx 10-32-F-NP	7/16	1/2
5/16-24	8-32	5/16-24-Fx 8-32-F	5/16-24-Fx 8-32-F-SS	5/16-24-Fx 8-32-F-316SS	5/16-24-Fx 8-32-F-AL	5/16-24-Fx 8-32-F-NP	7/16	1/2
5/16-18	1/16	5/16-18-Fx 1/16-F	5/16-18-Fx 1/16-F-SS	5/16-18-Fx 1/16-F-316SS	5/16-18-Fx 1/16-F-AL	5/16-18-Fx 1/16-F-NP	7/16	1/2
5/16-18	1/4-28	5/16-18-Fx 4-28-F	5/16-18-Fx 4-28-F-SS	5/16-18-Fx 4-28-F-316SS	5/16-18-Fx 4-28-F-AL	5/16-18-Fx 4-28-F-NP	7/16	1/2
5/16-18	1/4-20	5/16-18-Fx 4-20-F	5/16-18-Fx 4-20-F-SS	5/16-18-Fx 4-20-F-316SS	5/16-18-Fx 4-20-F-AL	5/16-18-Fx 4-20-F-NP	7/16	1/2
5/16-18	10-32	5/16-18-Fx 10-32-F	5/16-18-Fx 10-32-F-SS	5/16-18-Fx 10-32-F-316SS	5/16-18-Fx 10-32-F-AL	5/16-18-Fx 10-32-F-NP	7/16	1/2
5/16-18	8-32	5/16-18-Fx 8-32-F	5/16-18-Fx 8-32-F-SS	5/16-18-Fx 8-32-F-316SS	5/16-18-Fx 8-32-F-AL	5/16-18-Fx 8-32-F-NP	7/16	1/2
1/16	1/4-28	1/16-Fx 4-28-F	1/16-Fx 4-28-F-SS	1/16-Fx 4-28-F-316SS	1/16-Fx 4-28-F-AL	1/16-Fx 4-28-F-NP	33/64	3/8
1/16	1/4-20	1/16-Fx 4-20-F	1/16-Fx 4-20-F-SS	1/16-Fx 4-20-F-316SS	1/16-Fx 4-20-F-AL	1/16-Fx 4-20-F-NP	33/64	3/8
1/16	10-32	1/16-Fx 10-32-F	1/16-Fx 10-32-F-SS	1/16-Fx 10-32-F-316SS	1/16-Fx 10-32-F-AL	1/16-Fx 10-32-F-NP	33/64	3/8
1/16	8-32	1/16-Fx 8-32-F	1/16-Fx 8-32-F-SS	1/16-Fx8-32-F-316SS	1/16-Fx 8-32-F-AL	1/16-Fx 8-32-F-NP	33/64	3/8
1/4-28	1/4-20	4-28-Fx 4-20-F	4-28-Fx 4-20-F-SS	4-28-Fx 4-20-F-316SS	4-28-Fx 4-20-F-AL	4-28-Fx 4-20-F-NP	3/8	3/8
1/4-28	10-32	4-28-Fx 10-32-F	4-28-Fx 10-32-F-SS	4-28-Fx 10-32-F-316SS	4-28-Fx 10-32-F-AL	4-28-Fx 10-32-F-NP	3/8	3/8
1/4-28	8-32	4-28-Fx 8-32-F	4-28-Fx 8-32-F-SS	4-28-Fx 8-32-F-316SS	4-28-Fx 8-32-F-AL	4-28-Fx 8-32-F-NP	3/8	3/8
1/4-20	10-32	4-20-Fx 10-32-F	4-20-Fx 10-32-F-SS	4-20-Fx 10-32-F-316SS	4-20-Fx 10-32-F-AL	4-20-Fx 10-32-F-NP	3/8	3/8
1/4-20	8-32	4-20-Fx 8-32-F	4-20-Fx 8-32-F-SS	4-20-Fx 8-32-F-316SS	4-20-Fx 8-32-F-AL	4-20-Fx 8-32-F-NP	3/8	3/8
10-32	8-32	10-32-Fx 8-32-F	10-32-Fx 8-32-F-SS	10-32-Fx 8-32-F-316SS	10-32-Fx 8-32-F-AL	10-32-Fx 8-32-F-NP	11/32	1/4

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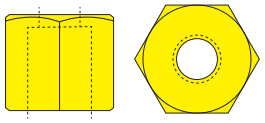
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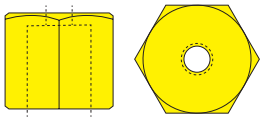
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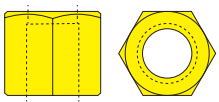
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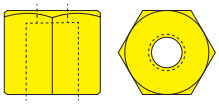
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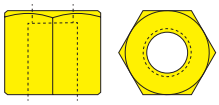
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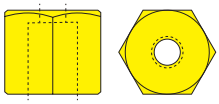
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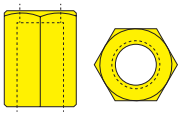
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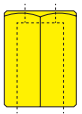
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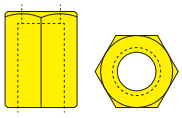
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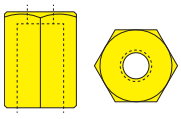
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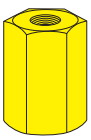
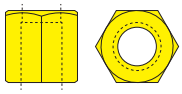
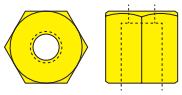



4-28-Fx4-20-F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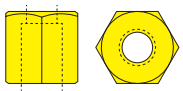
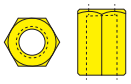
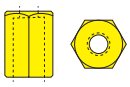
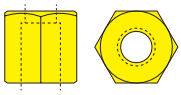
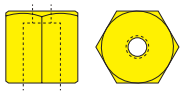

4-28-Fx10-32-F


10-32-Fx8-32-F

Metric threads available! Lead times & minimum quantities apply! Consult factory for details!


M5-FxM3-F

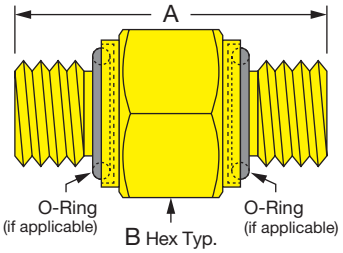

M6x.75-FxM5-F

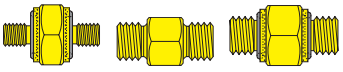

M6x1-FxM3-F

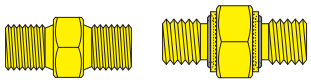
Other Reducing Hex Cap Adapter female thread sizes available! Consult factory for details!

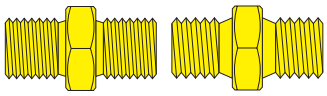
C2

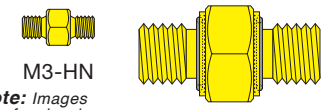
Metric Thread Hex Nipples 768




M3-HN-O M5-HN M5-HN-O


M6x.75-HN M6x1-HN-O


M8x1-HN M8x1.25-HN


M3-HN

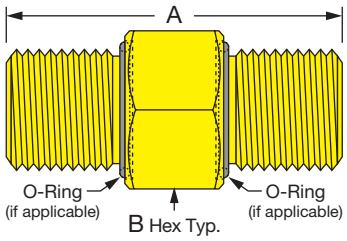
Note: *Images are for visual representation only!*

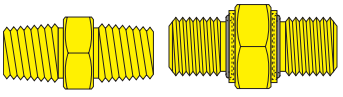
M8x1.25-HN-O

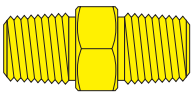
Thread Size	Type of Seal	Part Numbers					Dimensions (Reference)	
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.
M3	Fibre Gasket	M3-HN	M3-HN-SS	M3-HN-316SS	M3-HN-AL	M3-HN-NP	Consult Factory	
M3	O-Ring	M3-HN-O	M3-HN-O-SS	M3-HN-O-316SS	M3-HN-O-AL	M3-HN-O-NP	Consult Factory	
M5	Fibre Gasket	M5-HN	M5-HN-SS	M5-HN-316SS	M5-HN-AL	M5-HN-NP	½	¼
M5	O-Ring	M5-HN-O	M5-HN-O-SS	M5-HN-O-316SS	M5-HN-O-AL	M5-HN-O-NP	Consult Factory	
M6x.75	Fibre Gasket	M6x.75-HN	M6x.75-HN-SS	M6x.75-HN-316SS	M6x.75-HN-AL	M6x.75-HN-NP	Consult Factory	
M6x.75	O-Ring	M6x.75-HN-O	M6x.75-HN-O-SS	M6x.75-HN-O-316SS	M6x.75-HN-O-AL	M6x.75-HN-O-NP	Consult Factory	
M6x1	Fibre Gasket	M6x1-HN	M6x1-HN-SS	M6x1-HN-316SS	M6x1-HN-AL	M6x1-HN-NP	Consult Factory	
M6x1	O-Ring	M6x1-HN-O	M6x1-HN-O-SS	M6x1-HN-O-316SS	M6x1-HN-O-AL	M6x1-HN-O-NP	Consult Factory	
M8x1	Fibre Gasket	M8x1-HN	M8x1-HN-SS	M8x1-HN-316SS	M8x1-HN-AL	M8x1-HN-NP	Consult Factory	
M8x1	O-Ring	M8x1-HN-O	M8x1-HN-O-SS	M8x1-HN-O-316SS	M8x1-HN-O-AL	M8x1-HN-O-NP	Consult Factory	
M8x1.25	Fibre Gasket	M8x1.25-HN	M8x1.25-HN-SS	M8x1.25-HN-316SS	M8x1.25-HN-AL	M8x1.25-HN-NP	Consult Factory	
M8x1.25	O-Ring	M8x1.25-HN-O	M8x1.25-HN-O-SS	M8x1.25-HN-O-316SS	M8x1.25-HN-O-AL	M8x1.25-HN-O-NP	Consult Factory	
M10x1	Fibre Gasket	M10x1-HN	M10x1-HN-SS	M10x1-HN-316SS	M10x1-HN-AL	M10x1-HN-NP	Consult Factory	
M10x1	O-Ring	M10x1-HN-O	M10x1-HN-O-SS	M10x1-HN-O-316SS	M10x1-HN-O-AL	M10x1-HN-O-NP	Consult Factory	

M8x.75 also available! M4 & M7 options available! See page 427 for Anodized Aluminum options!

BSPT & BSPP Thread Hex Nipples 769




1/16BSPT-HN 1/16BSPP-HN-O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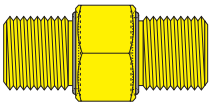
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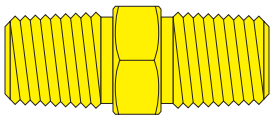
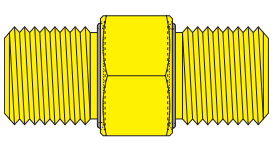
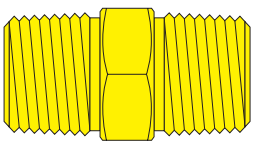

1/4BSPT-HN

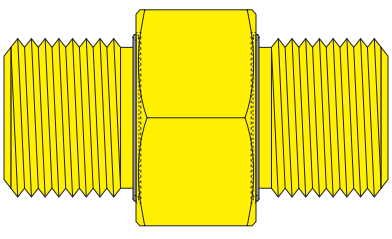
Thread Size	Type of Seal	Part Numbers					Dimensions (Reference)	
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.
1/16 BSPT	No Seal	1/16BSPT-HN	1/16BSPT-HN-SS	1/16BSPT-HN-316SS	1/16BSPT-HN-AL	1/16BSPT-HN-NP	Consult Factory	
1/16 BSPP	O-Ring	1/16BSPP-HN-O	1/16BSPP-HN-O-SS	1/16BSPP-HN-O-316SS	1/16BSPP-HN-O-AL	1/16BSPP-HN-O-NP	Consult Factory	
1/8 BSPT	No Seal	1/8BSPT-HN	1/8BSPT-HN-SS	1/8BSPT-HN-316SS	1/8BSPT-HN-AL	1/8BSPT-HN-NP	31/32	7/16
1/8 BSPP	O-Ring	1/8BSPP-HN-O	1/8BSPP-HN-O-SS	1/8BSPP-HN-O-316SS	1/8BSPP-HN-O-AL	1/8BSPP-HN-O-NP	Consult Factory	
1/4 BSPT	No Seal	1/4BSPT-HN	1/4BSPT-HN-SS	1/4BSPT-HN-316SS	1/4BSPT-HN-AL	1/4BSPT-HN-NP	1 3/8	9/16
1/4 BSPP	O-Ring	1/4BSPP-HN-O	1/4BSPP-HN-O-SS	1/4BSPP-HN-O-316SS	1/4BSPP-HN-O-AL	1/4BSPP-HN-O-NP	Consult Factory	
3/8 BSPT	No Seal	3/8BSPT-HN	3/8BSPT-HN-SS	3/8BSPT-HN-316SS	3/8BSPT-HN-AL	3/8BSPT-HN-NP	1 9/32	5/8
3/8 BSPP	O-Ring	3/8BSPP-HN-O	3/8BSPP-HN-O-SS	3/8BSPP-HN-O-316SS	3/8BSPP-HN-O-AL	3/8BSPP-HN-O-NP	Consult Factory	
1/2 BSPT	No Seal	1/2BSPT-HN	1/2BSPT-HN-SS	1/2BSPT-HN-316SS	1/2BSPT-HN-AL	1/2BSPT-HN-NP	1 1/2	7/8
1/2 BSPP	O-Ring	1/2BSPP-HN-O	1/2BSPP-HN-O-SS	1/2BSPP-HN-O-316SS	1/2BSPP-HN-O-AL	1/2BSPP-HN-O-NP	Consult Factory	

O-Ring options listed on page 65!

Note: *Images are for visual representation only!*

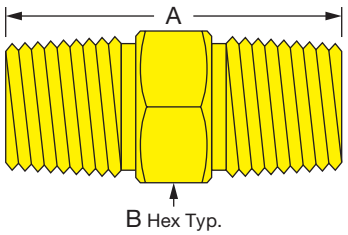

1/4BSPP-HN-O

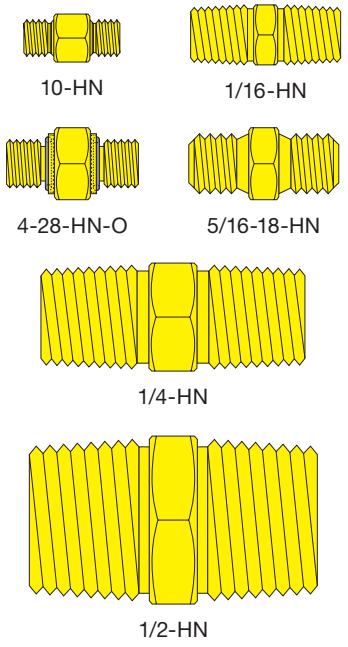

3/8BSPT-HN


1/2BSPP-HN-O

770 Standard Thread Hex Nipples

Thread Size	Type of Seal	Part Numbers: Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	Dimensions (Reference): A Ref.	B Typ.
8-32	Fibre Gasket	8-32HN	8-32HN-SS	8-32HN-316SS	8-32HN-AL	8-32HN-NP	½	¼
8-32	O-Ring	8-32HN-O	8-32HN-O-SS	8-32HN-O-316SS	8-32HN-O-AL	8-32HN-O-NP	Consult Factory	
10-32	Fibre Gasket	10HN	10HN-SS	10HN-316SS	10HN-AL	10HN-NP	½	¼
10-32	O-Ring	10HN-O	10HN-O-SS	10HN-O-316SS	10HN-O-AL	10HN-O-NP	Consult Factory	
¼-20	Fibre Gasket	4-20HN	4-20HN-SS	4-20HN-316SS	4-20HN-AL	4-20HN-NP		
¼-20	O-Ring	4-20HN-O	4-20HN-O-SS	4-20HN-O-316SS	4-20HN-O-AL	4-20HN-O-NP		
¼-28	Fibre Gasket	4-28HN	4-28HN-SS	4-28HN-316SS	4-28HN-AL	4-28HN-NP		
¼-28	O-Ring	4-28HN-O	4-28HN-O-SS	4-28HN-O-316SS	4-28HN-O-AL	4-28HN-O-NP		
1/16 NPT	No Seal	1/16HN	1/16HN-SS	1/16HN-316SS	1/16HN-AL	1/16HN-NP		
⅛ NPT	No Seal	1/8HN	1/8HN-SS	1/8HN-316SS	1/8HN-AL	1/8HN-NP	31/32	7/16
¼ NPT	No Seal	1/4HN	1/4HN-SS	1/4HN-316SS	1/4HN-AL	1/4HN-NP	1⅜	9/16
5/16-18	Fibre Gasket	5/16-18HN	5/16-18HN-SS	5/16-18HN-316SS	5/16-18HN-AL	5/16-18HN-NP		
5/16-18	O-Ring	5/16-18HN-O	5/16-18HN-O-SS	5/16-18HN-O-316SS	5/16-18HN-O-AL	5/16-18HN-O-NP		
5/16-24	Fibre Gasket	5/16-24HN	5/16-24HN-SS	5/16-24HN-316SS	5/16-24HN-AL	5/16-24HN-NP		
5/16-24	O-Ring	5/16-24HN-O	5/16-24HN-O-SS	5/16-24HN-O-316SS	5/16-24HN-O-AL	5/16-24HN-O-NP		
⅜-24	Fibre Gasket	3/8-24HN	3/8-24HN-SS	3/8-24HN-316SS	3/8-24HN-AL	3/8-24HN-NP		
⅜ NPT	No Seal	3/8HN	3/8HN-SS	3/8HN-316SS	3/8HN-AL	3/8HN-NP	1 9/32	5/8
½ NPT	No Seal	1/2HN	1/2HN-SS	1/2HN-316SS	1/2HN-AL	1/2HN-NP	1½	7/8





771 Aluminum & Stainless Steel Reducing Hex Nipples

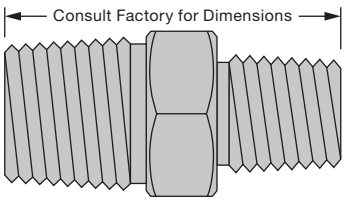
Standard Thread Sizes	
8-32	5/16-24
10-32	⅛ NPT
¼-20	¼ NPT
¼-28	⅜-24
1/16 NPT	⅜ NPT
5/16-18	½ NPT

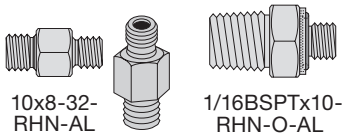
Metric Thread Sizes	
M3	M8x.75
M5	M8x1
M6x.75	M8x1.25
M6x1	M10x1

M4 & M7 and other thread sizes available!

BSPT & BSPP Thread Sizes	
1/16 *BSPT*	1/16 BSPP
⅛ *BSPT*	⅛ BSPP
¼ *BSPT*	¼ BSPP
⅜ *BSPT*	⅜ BSPP
½ *BSPT*	½ BSPP

Note: *Images are for visual representation only.*







O-Ring options available on straight threads! Add "-O" to part number. See page 65 for details!

Part Numbers for Reducing Hex Nipples:

Larger Thread Size → # x # - RHN ← Fitting Series

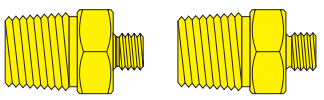
← Smaller Thread Size

Indicate material option by add the following codes:

-316SS = Stainless Steel 316

-AL = Aluminum 6061-T6

Reducing Hex Nipples, also known as: Adapter Nipples (AN's)



Old Part Number: AN1/8x10-32 *Current Part Number:* 1/8x10-RHN

Old Part Number: AN1/8xM5 *Current Part Number:* 1/8xM5-RHN

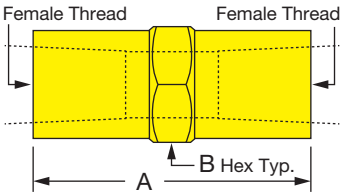
Aluminum Hex and Reducing Hex Nipples can be Nickel Plated or Anodized. Minimum quantities and lead times apply. To order, please add the following codes to the part number:

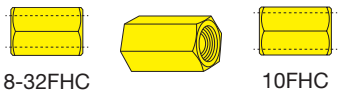
-NP = Electroless Nickel Plate **-CC** = Clear Coat Anodized **-HC** = Hard Coat Anodized

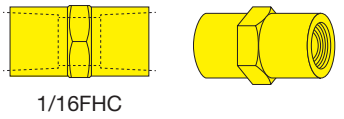
-BLK = Black Anodized **-BL** = Blue Anodized **-R** = Red Anodized

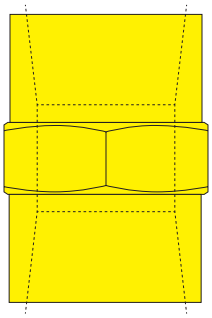
Other anodized color options also available! Brass available upon request! Consult factory for details!

Standard Female Thread Hex Couplings 772

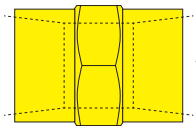


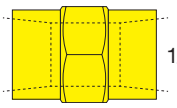


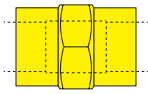


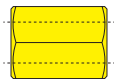


Thread Size	Part Numbers					Dimensions (Reference)	
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.
8-32	8-32FHC	8-32FHC-SS	8-32FHC-316SS	8-32FHC-AL	8-32FHC-NP	3/8	1/4
10-32	10FHC	10FHC-SS	10FHC-316SS	10FHC-AL	10FHC-NP	3/8	1/4
1/4-20	4-20FHC	4-20FHC-SS	4-20FHC-316SS	4-20FHC-AL	4-20FHC-NP	1/2	3/8
1/4-28	4-28FHC	4-28FHC-SS	4-28FHC-316SS	4-28FHC-AL	4-28FHC-NP	1/2	3/8
1/16 NPT	1/16FHC	1/16FHC-SS	1/16FHC-316SS	1/16FHC-AL	1/16FHC-NP	.723	3/8
5/16-18	5/16-18FHC	5/16-18FHC-SS	5/16-18FHC-316SS	5/16-18FHC-AL	5/16-18FHC-NP	5/8	7/16
5/16-24	5/16-24FHC	5/16-24FHC-SS	5/16-24FHC-316SS	5/16-24FHC-AL	5/16-24FHC-NP	5/8	7/16
1/8 NPT	1/8FHC	1/8FHC-SS	1/8FHC-316SS	1/8FHC-AL	1/8FHC-NP	3/4	1/2
1/4 NPT	1/4FHC	1/4FHC-SS	1/4FHC-316SS	1/4FHC-AL	1/4FHC-NP	7/8	5/8
3/8-24	3/8-24FHC	3/8-24FHC-SS	3/8-24FHC-316SS	3/8-24FHC-AL	3/8-24FHC-NP	***Consult Factory***	
3/8 NPT	3/8FHC	3/8FHC-SS	3/8FHC-316SS	3/8FHC-AL	3/8FHC-NP	***Consult Factory***	
1/2 NPT	1/2FHC	1/2FHC-SS	1/2FHC-316SS	1/2FHC-AL	1/2FHC-NP	1 1/2	1 1/16

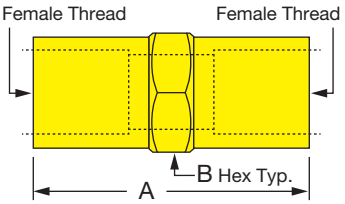


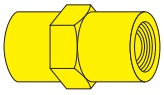


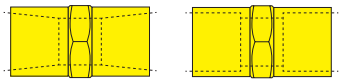


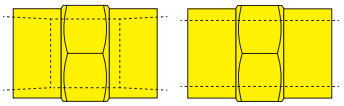


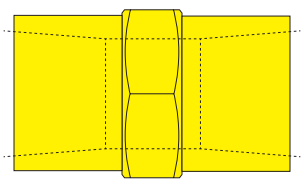
BSPT & BSPP Thread Female Hex Couplings 773

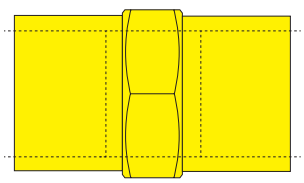


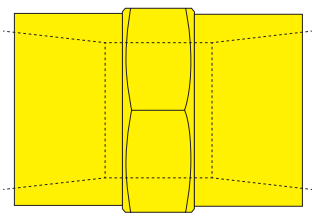


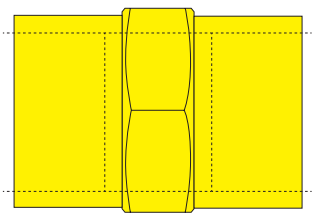










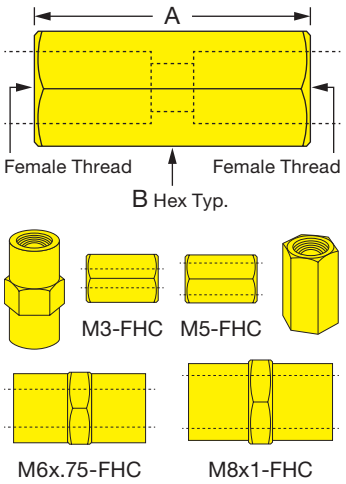


Thread Size	Part Numbers					Dimensions (Reference)	
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.
1/16 *BSPT*	1/16BSPT-FHC	1/16BSPT-FHC-SS	1/16BSPT-FHC-316SS	1/16BSPT-FHC-AL	1/16BSPT-FHC-NP	.723	3/8
1/16 BSPP	1/16BSPP-FHC	1/16BSPP-FHC-SS	1/16BSPP-FHC-316SS	1/16BSPP-FHC-AL	1/16BSPP-FHC-NP	.723	3/8
1/8 *BSPT*	1/8BSPT-FHC	1/8BSPT-FHC-SS	1/8BSPT-FHC-316SS	1/8BSPT-FHC-AL	1/8BSPT-FHC-NP	3/4	1/2
1/8 BSPP	1/8BSPP-FHC	1/8BSPP-FHC-SS	1/8BSPP-FHC-316SS	1/8BSPP-FHC-AL	1/8BSPP-FHC-NP	3/4	1/2
1/4 *BSPT*	1/4BSPT-FHC	1/4BSPT-FHC-SS	1/4BSPT-FHC-316SS	1/4BSPT-FHC-AL	1/4BSPT-FHC-NP	7/8	5/8
1/4 BSPP	1/4BSPP-FHC	1/4BSPP-FHC-SS	1/4BSPP-FHC-316SS	1/4BSPP-FHC-AL	1/4BSPP-FHC-NP	7/8	5/8
3/8 *BSPT*	3/8BSPT-FHC	3/8BSPT-FHC-SS	3/8BSPT-FHC-316SS	3/8BSPT-FHC-AL	3/8BSPT-FHC-NP	***Consult Factory***	
3/8 BSPP	3/8BSPP-FHC	3/8BSPP-FHC-SS	3/8BSPP-FHC-316SS	3/8BSPP-FHC-AL	3/8BSPP-FHC-NP	***Consult Factory***	
1/2 *BSPT*	1/2BSPT-FHC	1/2BSPT-FHC-SS	1/2BSPT-FHC-316SS	1/2BSPT-FHC-AL	1/2BSPT-FHC-NP	1 1/2	1 1/16
1/2 BSPP	1/2BSPP-FHC	1/2BSPP-FHC-SS	1/2BSPP-FHC-316SS	1/2BSPP-FHC-AL	1/2BSPP-FHC-NP	1 1/2	1 1/16

D2

774 Metric Female Thread Hex Couplings

Thread Size	Part Numbers					Dimensions (Reference)	
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.
M3	M3-FHC	M3-FHC-SS	M3-FHC-316SS	M3-FHC-AL	M3-FHC-NP	3/8	1/4
M5	M5-FHC	M5-FHC-SS	M5-FHC-316SS	M5-FHC-AL	M5-FHC-NP	3/8	1/4
M6x.75	M6x.75-FHC	M6x.75-FHC-SS	M6x.75-FHC-316SS	M6x.75-FHC-AL	M6x.75-FHC-NP	11/16	3/8
M6x1	M6x1-FHC	M6x1-FHC-SS	M6x1-FHC-316SS	M6x1-FHC-AL	M6x1-FHC-NP	11/16	3/8
M8x.75	M8x.75-FHC	M8x.75-FHC-SS	M8x.75-FHC-316SS	M8x.75-FHC-AL	M8x.75-FHC-NP	3/4	7/16
M8x1	M8x1-FHC	M8x1-FHC-SS	M8x1-FHC-316SS	M8x1-FHC-AL	M8x1-FHC-NP	3/4	7/16
M8x1.25	M8x1.25-FHC	M8x1.25-FHC-SS	M8x1.25-FHC-316SS	M8x1.25-FHC-AL	M8x1.25-FHC-NP	3/4	7/16
M10x1	M10x1-FHC	M10x1-FHC-SS	M10x1-FHC-316SS	M10x1-FHC-AL	M10x1-FHC-NP	7/8	1/2



775 Reducing Female Thread Hex Couplings

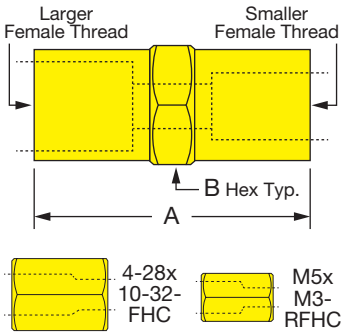
Standard Thread Sizes	
8-32	5/16-24
10-32	1/8 NPT
1/4-20	1/4 NPT
1/4-28	3/8-24
1/16 NPT	3/8 NPT
5/16-18	1/2 NPT

Metric Thread Sizes	
M3	M8x.75
M5	M8x1
M6x.75	M8x1.25
M6x1	M10x1

M4 & M7 Metric Thread options also available! Consult factory for details!

BSPT & BSPP Thread Sizes	
1/16 *BSPT*	1/16 BSPP
1/8 *BSPT*	1/8 BSPP
1/4 *BSPT*	1/4 BSPP
3/8 *BSPT*	3/8 BSPP
1/2 *BSPT*	1/2 BSPP

Larger thread options available!



Part Numbers for Reducing Female Hex Couplings:

Larger Thread Size → # x # ← Smaller Thread Size

-RFHC ← Fitting Series

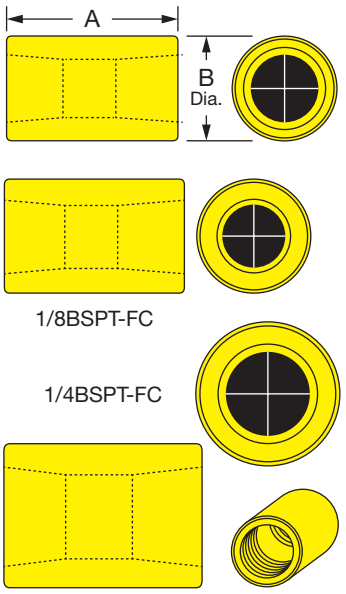
Unless otherwise specified, parts will be Brass. To order other materials, add the following codes to the part number:

-SS = Stainless Steel 303 -316SS = Stainless Steel 316
-AL = Aluminum 6061-T6 -NP = Electroless Nickel Plate

776 Round Body Aluminum BSPT Female Couplers

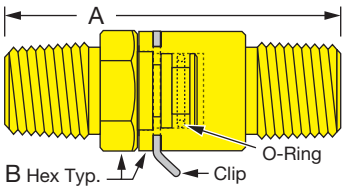
BSPT Thread Size	Part Numbers				Dimensions (Reference)	
	Aluminum 6061-T6	Black Anodized Aluminum 6061-T6	Blue Anodized Aluminum 6061-T6	Red Anodized Aluminum 6061-T6	A Ref.	B Dia.
1/16	1/16BSPT-FC-AL	1/16BSPT-FC-AL-BLK	1/16BSPT-FC-AL-BL	1/16BSPT-FC-AL-R	15/16	19/32
1/8	1/8BSPT-FC-AL	1/8BSPT-FC-AL-BLK	1/8BSPT-FC-AL-BL	1/8BSPT-FC-AL-R	15/16	19/32
1/4	1/4BSPT-FC-AL	1/4BSPT-FC-AL-BLK	1/4BSPT-FC-AL-BL	1/4BSPT-FC-AL-R	1 1/32	3/4
3/8	3/8BSPT-FC-AL	3/8BSPT-FC-AL-BLK	3/8BSPT-FC-AL-BL	3/8BSPT-FC-AL-R	1 5/32	29/32
1/2	1/2BSPT-FC-AL	1/2BSPT-FC-AL-BLK	1/2BSPT-FC-AL-BL	1/2BSPT-FC-AL-R	1 5/16	1 1/16
3/4	3/4BSPT-FC-AL	3/4BSPT-FC-AL-BLK	3/4BSPT-FC-AL-BL	3/4BSPT-FC-AL-R	1 9/16	1 11/32
1	1BSPT-FC-AL	1BSPT-FC-AL-BLK	1BSPT-FC-AL-BL	1BSPT-FC-AL-R	1 13/16	1 5/8
1 1/2	1 1/2BSPT-FC-AL	1 1/2BSPT-FC-AL-BLK	1 1/2BSPT-FC-AL-BL	1 1/2BSPT-FC-AL-R	2 15/64	2 5/16
2	2BSPT-FC-AL	2BSPT-FC-AL-BLK	2BSPT-FC-AL-BL	2BSPT-FC-AL-R	2 23/32	2 9/16

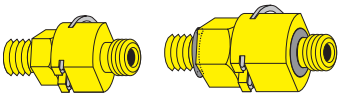
Other anodized color options available! Minimum quantities & lead times apply! Consult factory for details!



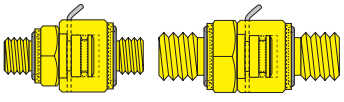
D2

Standard Thread Swivel Nipples with Clip Groove

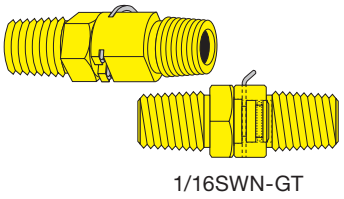




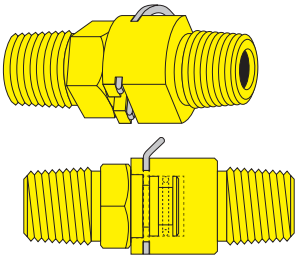
10SWN-GT 4-28SWN-GT



10SWN-O-GT 4-20SWN-O-GT



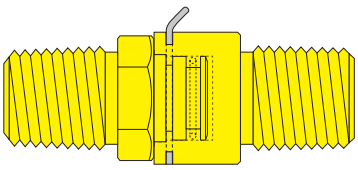
1/16SWN-GT



1/8SWN-GT

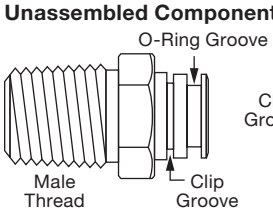
Thread Size	Type of Seal	Part Numbers					Dimensions (Reference)	
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.
8-32	Fibre Gasket	8-32SWN-GT	8-32SWN-GT-SS	8-32SWN-GT-316SS	8-32SWN-GT-AL	8-32SWN-GT-NP	Consult Factory	Consult Factory
8-32	O-Ring	8-32SWN-O-GT	8-32SWN-O-GT-SS	8-32SWN-O-GT-316SS	8-32SWN-O-GT-AL	8-32SWN-O-GT-NP		
10-32	Fibre Gasket	10SWN-GT	10SWN-GT-SS	10SWN-GT-316SS	10SWN-GT-AL	10SWN-GT-NP		
10-32	O-Ring	10SWN-O-GT	10SWN-O-GT-SS	10SWN-O-GT-316SS	10SWN-O-GT-AL	10SWN-O-GT-NP		
1/16 NPT	No Seal	1/16SWN-GT	1/16SWN-GT-SS	1/16SWN-GT-316SS	1/16SWN-GT-AL	1/16SWN-GT-NP		
1/4-20	Fibre Gasket	4-20SWN-GT	4-20SWN-GT-SS	4-20SWN-GT-316SS	4-20SWN-GT-AL	4-20SWN-GT-NP		
1/4-20	O-Ring	4-20SWN-O-GT	4-20SWN-O-GT-SS	4-20SWN-O-GT-316SS	4-20SWN-O-GT-AL	4-20SWN-O-GT-NP		
1/4-28	Fibre Gasket	4-28SWN-GT	4-28SWN-GT-SS	4-28SWN-GT-316SS	4-28SWN-GT-AL	4-28SWN-GT-NP		
1/4-28	O-Ring	4-28SWN-O-GT	4-28SWN-O-GT-SS	4-28SWN-O-GT-316SS	4-28SWN-O-GT-AL	4-28SWN-O-GT-NP		
1/8 NPT	No Seal	1/8SWN-GT	1/8SWN-GT-SS	1/8SWN-GT-316SS	1/8SWN-GT-AL	1/8SWN-GT-NP		
1/4 NPT	No Seal	1/4SWN-GT	1/4SWN-GT-SS	1/4SWN-GT-316SS	1/4SWN-GT-AL	1/4SWN-GT-NP		
5/16-18	Fibre Gasket	5/16-18 SWN-GT	5/16-18SWN-GT-SS	5/16-18SWN-GT-316SS	5/16-18SWN-GT-AL	5/16-18SWN-GT-NP		
5/16-18	O-Ring	5/16-18 SWN-O-GT	5/16-18SWN-O-GT-SS	5/16-18SWN-O-GT-316SS	5/16-18SWN-O-GT-AL	5/16-18SWN-O-GT-NP		
5/16-24	Fibre Gasket	5/16-24 SWN-GT	5/16-24SWN-GT-SS	5/16-24SWN-GT-316SS	5/16-24SWN-GT-AL	5/16-24SWN-GT-NP		
5/16-24	O-Ring	5/16-24 SWN-O-GT	5/16-24SWN-O-GT-SS	5/16-24SWN-O-GT-316SS	5/16-24SWN-O-GT-AL	5/16-24SWN-O-GT-NP		
3/8-24	Fibre Gasket	3/8-24 SWN-GT	3/8-24SWN-GT-SS	3/8-24SWN-GT-316SS	3/8-24SWN-GT-AL	3/8-24SWN-GT-NP		
3/8 NPT	No Seal	3/8SWN-GT	3/8SWN-GT-SS	3/8SWN-GT-316SS	3/8SWN-GT-AL	3/8SWN-GT-NP		
1/2 NPT	No Seal	1/2SWN-GT	1/2SWN-GT-SS	1/2SWN-GT-316SS	1/2SWN-GT-AL	1/2SWN-GT-NP		

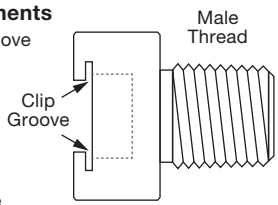
O-Ring material options are listed on page 65!

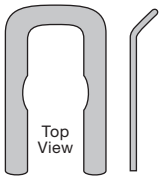


1/4SWN-GT

Unassembled Components



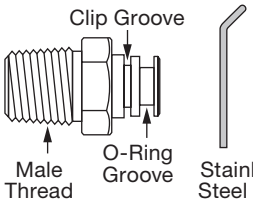


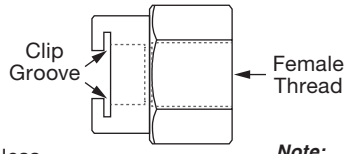


Stainless Steel Clip

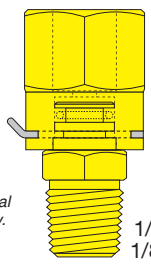
Male Thread to Female Thread Swivel Nipples available! Lead times & minimum quantities apply! Consult factory for details!

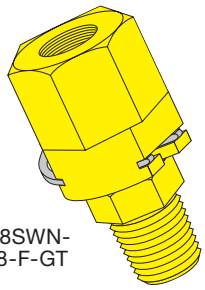
Unassembled Components



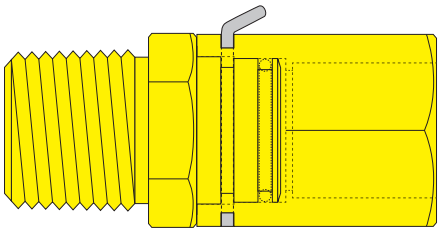


Note:
Images are for visual representation only.

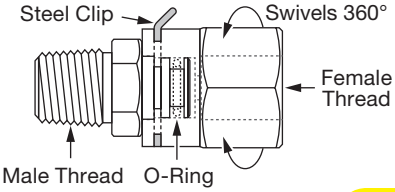


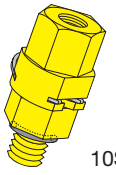


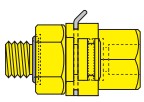
1/8SWN-1/8-F-GT



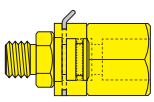
1/2SWNx1/2-F-GT



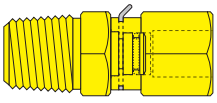




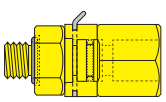
10SWNx10-F-O-GT



10SWNx4-28-F-GT



1/8SWNx1/16-F-GT



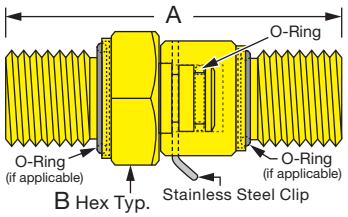
10SWNx4-28-F-O-GT

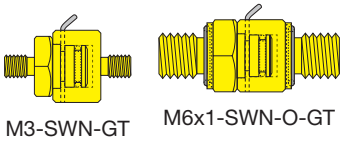
Metric options also available!

More information and options for Swivel Fittings can be found in the "N2 - Swivel Elbows & Tees" section, the "O2 - GT Series" section, and various male thread sections of this catalog. Consult factory!

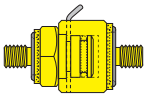
778 Metric Thread Swivel Hex Nipples with Clip Groove

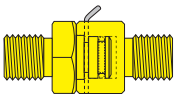
Thread Size	Type of Seal	Part Numbers					Dimensions (Reference)	
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.
M3	Fibre Gasket	M3-SWN-GT	M3-SWN-GT-SS	M3-SWN-GT-316SS	M3-SWN-GT-AL	M3-SWN-GT-NP	Consult Factory	Consult Factory
M3	O-Ring	M3-SWN-O-GT	M3-SWN-O-GT-SS	M3-SWN-O-GT-316SS	M3-SWN-O-GT-AL	M3-SWN-O-GT-NP		
M5	Fibre Gasket	M5-SWN	M5-SWN-GT-SS	M5-SWN-GT-316SS	M5-SWN-GT-AL	M5-SWN-GT-NP		
M5	O-Ring	M5-SWN-O-GT	M5-SWN-O-GT-SS	M5-SWN-O-GT-316SS	M5-SWN-O-GT-AL	M5-SWN-O-GT-NP		
M6x.75	Fibre Gasket	M6x.75-SWN	M6x.75-SWN-GT-SS	M6x.75-SWN-GT-316SS	M6x.75-SWN-GT-AL	M6x.75-SWN-GT-NP		
M6x.75	O-Ring	M6x.75-SWN-O-GT	M6x.75-SWN-O-GT-SS	M6x.75-SWN-O-GT-316SS	M6x.75-SWN-O-GT-AL	M6x.75-SWN-O-GT-NP		
M6x1	Fibre Gasket	M6x1-SWN	M6x1-SWN-GT-SS	M6x1-SWN-GT-316SS	M6x1-SWN-GT-AL	M6x1-SWN-GT-NP		
M6x1	O-Ring	M6x1-SWN-O-GT	M6x1-SWN-O-GT-SS	M6x1-SWN-O-GT-316SS	M6x1-SWN-O-GT-AL	M6x1-SWN-O-GT-NP		
M8x1	Fibre Gasket	M8x1-SWN	M8x1-SWN-GT-SS	M8x1-SWN-GT-316SS	M8x1-SWN-GT-AL	M8x1-SWN-GT-NP		
M8x1	O-Ring	M8x1-SWN-O-GT	M8x1-SWN-O-GT-SS	M8x1-SWN-O-GT-316SS	M8x1-SWN-O-GT-AL	M8x1-SWN-O-GT-NP		
M8x1.25	Fibre Gasket	M8x1.25-SWN	M8x1.25-SWN-GT-SS	M8x1.25-SWN-GT-316SS	M8x1.25-SWN-GT-AL	M8x1.25-SWN-GT-NP		
M8x1.25	O-Ring	M8x1.25-SWN-O-GT	M8x1.25-SWN-O-GT-SS	M8x1.25-SWN-O-GT-316SS	M8x1.25-SWN-O-GT-AL	M8x1.25-SWN-O-GT-NP		
M10x1	Fibre Gasket	M10x1-SWN	M10x1-SWN-GT-SS	M10x1-SWN-GT-316SS	M10x1-SWN-GT-AL	M10x1-SWN-GT-NP		
M10x1	O-Ring	M10x1-SWN-O-GT	M10x1-SWN-O-GT-SS	M10x1-SWN-O-GT-316SS	M10x1-SWN-O-GT-AL	M10x1-SWN-O-GT-NP		

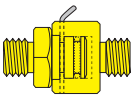


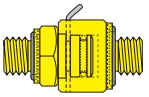

M3-SWN-GT

M6x1-SWN-O-GT

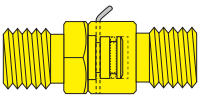

M3-SWN-O-GT


M6x.75-SWN-GT


M5-SWN-GT

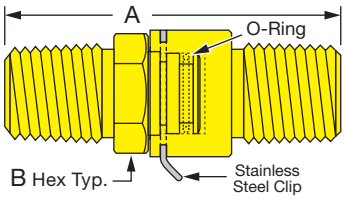

M5-SWN-O-GT

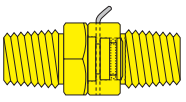
O-Ring materials listed on page 65!


M8x1.25-SWN-GT

779 BSPT & BSPP Swivel Hex Nipples with Clip Groove

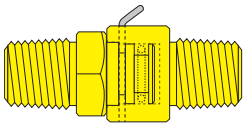
Thread Size	Part Numbers					Dimensions (Reference)	
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.
1/16 BSPT	1/16BSPT-SWN	1/16BSPT-SWN-GT-SS	1/16BSPT-SWN-GT-316SS	1/16BSPT-SWN-GT-AL	1/16BSPT-SWN-GT-NP	Consult Factory	Consult Factory
1/16 BSPP	1/16BSPP-SWN-O-GT	1/16BSPP-SWN-O-GT-SS	1/16BSPP-SWN-O-GT-316SS	1/16BSPP-SWN-O-GT-AL	1/16BSPP-SWN-O-GT-NP		
1/8 BSPT	1/8BSPT-SWN	1/8BSPT-SWN-GT-SS	1/8BSPT-SWN-GT-316SS	1/8BSPT-SWN-GT-AL	1/8BSPT-SWN-GT-NP		
1/8 BSPP	1/8BSPP-SWN-O-GT	1/8BSPP-SWN-O-GT-SS	1/8BSPP-SWN-O-GT-316SS	1/8BSPP-SWN-O-GT-AL	1/8BSPP-SWN-O-GT-NP		
1/4 BSPT	1/4BSPT-SWN	1/4BSPT-SWN-GT-SS	1/4BSPT-SWN-GT-316SS	1/4BSPT-SWN-GT-AL	1/4BSPT-SWN-GT-NP		
1/4 BSPP	1/4BSPP-SWN-O-GT	1/4BSPP-SWN-O-GT-SS	1/4BSPP-SWN-O-GT-316SS	1/4BSPP-SWN-O-GT-AL	1/4BSPP-SWN-O-GT-NP		
3/8 BSPT	3/8BSPT-SWN	3/8BSPT-SWN-GT-SS	3/8BSPT-SWN-GT-316SS	3/8BSPT-SWN-GT-AL	3/8BSPT-SWN-GT-NP		
3/8 BSPP	3/8BSPP-SWN-O-GT	3/8BSPP-SWN-O-GT-SS	3/8BSPP-SWN-O-GT-316SS	3/8BSPP-SWN-O-GT-AL	3/8BSPP-SWN-O-GT-NP		
1/2 BSPT	1/2BSPT-SWN	1/2BSPT-SWN-GT-SS	1/2BSPT-SWN-GT-316SS	1/2BSPT-SWN-GT-AL	1/2BSPT-SWN-GT-NP		
1/2 BSPP	1/2BSPP-SWN-O-GT	1/2BSPP-SWN-O-GT-SS	1/2BSPP-SWN-O-GT-316SS	1/2BSPP-SWN-O-GT-AL	1/2BSPP-SWN-O-GT-NP		

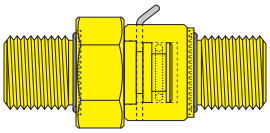


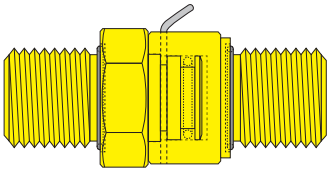

1/16BSPT-SWN-GT

See diagrams on previous page!

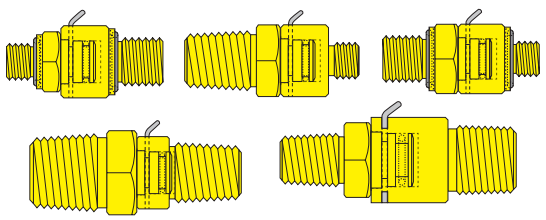
Note: *Images are visual depictions only.*


1/8BSPT-SWN-GT


1/8BSPP-SWN-O-GT

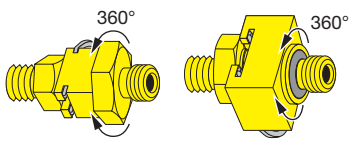

1/4BSPP-SWN-O-GT

Swivel Nipples with reducing threads available!



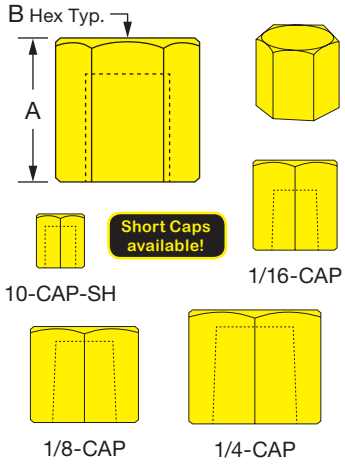
BSPP Thread Swivel Nipples are supplied with O-Rings installed! O-Ring options listed on page 65!

Other Swivel body styles available!



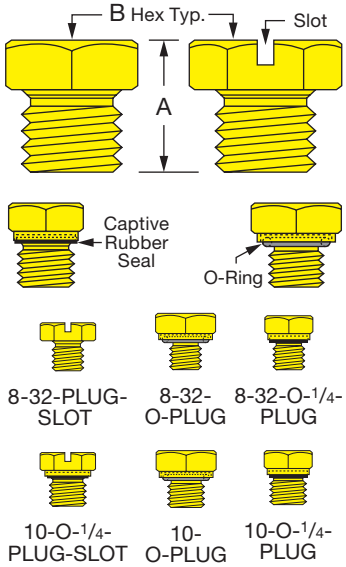
D2

Female Caps 780



Thread Size	Part Numbers					Dimensions (Reference)	
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.
10-32	10-CAP	10-CAP-SS	10-CAP-316SS	10-CAP-AL	10-CAP-NP	11/32	1/4
10-32 *Short Height*	10-CAP-SH	10-CAP-SH-SS	10-CAP-SH-316SS	10-CAP-SH-AL	10-CAP-SH-NP	9/32	1/4
1/4-28	4-28-CAP	4-28-CAP-SS	4-28-CAP-316SS	4-28-CAP-AL	4-28-CAP-NP	11/32	3/8
1/16-27 NPT	1/16-CAP	1/16-CAP-SS	1/16-CAP-316SS	1/16-CAP-AL	1/16-CAP-NP	15/32	7/16
1/8-27 NPT	1/8-CAP	1/8-CAP-SS	1/8-CAP-316SS	1/8-CAP-AL	1/8-CAP-NP	1/2	9/16
1/4-18 NPT	1/4-CAP	1/4-CAP-SS	1/4-CAP-316SS	1/4-CAP-AL	1/4-CAP-NP	19/32	11/16
3/8-18 NPT	3/8-CAP	3/8-CAP-SS	3/8-CAP-316SS	3/8-CAP-AL	3/8-CAP-NP	.730	13/16
1/2-14 NPT	1/2-CAP	1/2-CAP-SS	1/2-CAP-316SS	1/2-CAP-AL	1/2-CAP-NP	11/16	15/16

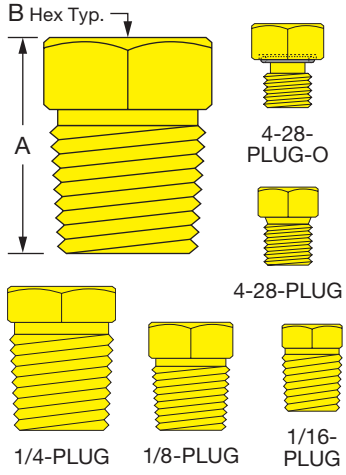
Miniature Male Threaded Plugs & Plugs with Slots 781



O-Ring & Gasket options on page 65! Consult factory for details!

Thread Size	Type of Seal	Part Numbers				Dimensions (Reference)	
		Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.
8-32	**Fibre Gasket**	8-32-PLUG	8-32-PLUG-SS	8-32-PLUG-316SS	8-32-PLUG-NP	1/4	1/4
8-32	**O-Ring**	8-32-O-PLUG	8-32-O-PLUG-SS	8-32-O-PLUG-316SS	8-32-O-PLUG-NP	19/64	5/16
8-32	**Captive Rubber Gasket**	8-32-O-1/4-PLUG	8-32-O-1/4-PLUG-SS	8-32-O-1/4-PLUG-316SS	8-32-O-1/4-PLUG-NP	9/32	1/4
10-32	**Fibre Gasket**	10-PLUG	10-PLUG-SS	10-PLUG-316SS	10-PLUG-NP	1/4	1/4
10-32	**O-Ring**	10-O-PLUG	10-O-PLUG-SS	10-O-PLUG-316SS	10-O-PLUG-NP	19/64	5/16
10-32	**Captive Rubber Gasket**	10-O-1/4-PLUG	10-O-1/4-PLUG-SS	10-O-1/4-PLUG-316SS	10-O-1/4-PLUG-NP	9/32	1/4
8-32 with slot	**Fibre Gasket**	8-32-PLUG-SLOT	8-32-PLUG-SLOT-SS	8-32-PLUG-SLOT-316SS	8-32-PLUG-SLOT-NP	1/4	1/4
8-32 with slot	**O-Ring**	8-32-O-PLUG-SLOT	8-32-O-PLUG-SLOT-SS	8-32-O-PLUG-SLOT-316SS	8-32-O-PLUG-SLOT-NP	19/64	5/16
8-32 with slot	**Captive Rubber Gasket**	8-32-O-1/4-PLUG-SLOT	8-32-O-1/4-PLUG-SLOT-SS	8-32-O-1/4-PLUG-SLOT-316SS	8-32-O-1/4-PLUG-SLOT-NP	9/32	1/4
10-32 with slot	**Fibre Gasket**	10-PLUG-SLOT	10-PLUG-SLOT-SS	10-PLUG-SLOT-316SS	10-PLUG-SLOT-NP	1/4	1/4
10-32 with slot	**O-Ring**	10-O-PLUG-SLOT	10-O-PLUG-SLOT-SS	10-O-PLUG-SLOT-316SS	10-O-PLUG-SLOT-NP	19/64	5/16
10-32 with slot	**Captive Rubber Gasket**	10-O-1/4-PLUG-SLOT	10-O-1/4-PLUG-SLOT-SS	10-O-1/4-PLUG-SLOT-316SS	10-O-1/4-PLUG-SLOT-NP	9/32	1/4

Male Threaded Plugs 782

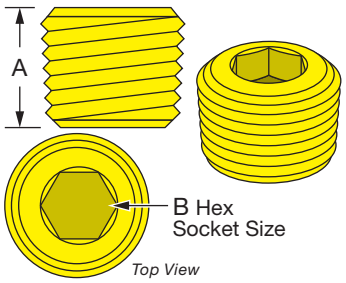


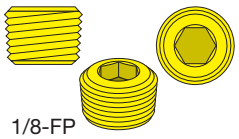
Thread Size	Part Numbers					Dimensions (Reference)	
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.
1/4-28	4-28-PLUG	4-28-PLUG-SS	4-28-PLUG-316SS	4-28-PLUG-AL	4-28-PLUG-NP	13/32	5/16
1/4-28 *with O-Ring*	4-28-O-PLUG	4-28-O-PLUG-SS	4-28-O-PLUG-316SS	4-28-O-PLUG-AL	4-28-O-PLUG-NP	7/16	3/8
1/16 NPT	1/16-PLUG	1/16-PLUG-SS	1/16-PLUG-316SS	1/16-PLUG-AL	1/16-PLUG-NP	29/64	5/16
1/8 NPT	1/8-PLUG	1/8-PLUG-SS	1/8-PLUG-316SS	1/8-PLUG-AL	1/8-PLUG-NP	9/16	7/16
1/4 NPT	1/4-PLUG	1/4-PLUG-SS	1/4-PLUG-316SS	1/4-PLUG-AL	1/4-PLUG-NP	3/4	9/16
3/8 NPT	3/8-PLUG	3/8-PLUG-SS	3/8-PLUG-316SS	3/8-PLUG-AL	3/8-PLUG-NP	25/32	11/16
1/2 NPT	1/2-PLUG	1/2-PLUG-SS	1/2-PLUG-316SS	1/2-PLUG-AL	1/2-PLUG-NP	1 1/8	7/8

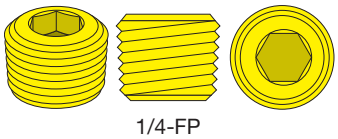
More thread options available! See list of options on page 435! Consult factory for details!

783 NPT Thread Counter-Sunk Plugs (Flush Plugs)

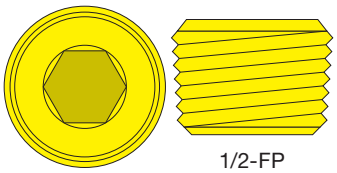
NPT Thread Size	Part Numbers		Dimensions (Reference)	
	Brass	Electroless Nickel Plate	A Ref.	B Typ.
1/8	1/8-FP	1/8-FP-NP	.300	3/16
1/4	1/4-FP	1/4-FP-NP	.450	1/4
3/8	3/8-FP	3/8-FP-NP	.450	5/16
1/2	1/2-FP	1/2-FP-NP	.600	3/8
3/4	3/4-FP	3/4-FP-NP	.620	9/16




1/8-FP

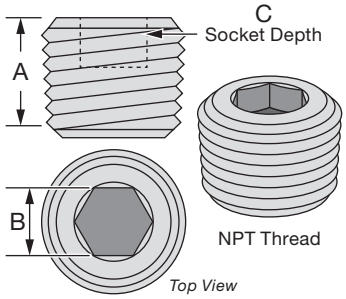

1/4-FP


3/8-FP

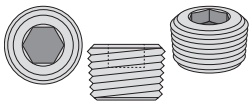

1/2-FP

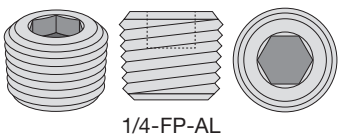
784 Aluminum NPT Thread Counter-Sunk Plugs (Flush Plugs)

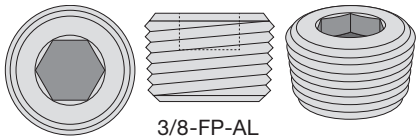
NPT Thread Size	Part Numbers				Dimensions (Reference)		
	Aluminum 2011-T3	Black Anodized Aluminum 2011-T3	Blue Anodized Aluminum 2011-T3	Red Anodized Aluminum 2011-T3	A Ref.	B Typ.	C Ref.
1/16	1/16-FP-AL	1/16-FP-AL-BLK	1/16-FP-AL-BL	1/16-FP-AL-R	.264	5/32	.120
1/8	1/8-FP-AL	1/8-FP-AL-BLK	1/8-FP-AL-BL	1/8-FP-AL-R	.290	3/16	.120
1/4	1/4-FP-AL	1/4-FP-AL-BLK	1/4-FP-AL-BL	1/4-FP-AL-R	.460	1/4	.190
3/8	3/8-FP-AL	3/8-FP-AL-BLK	3/8-FP-AL-BL	3/8-FP-AL-R	.460	5/16	.190
1/2	1/2-FP-AL	1/2-FP-AL-BLK	1/2-FP-AL-BL	1/2-FP-AL-R	.610	3/8	.250
3/4	3/4-FP-AL	3/4-FP-AL-BLK	3/4-FP-AL-BL	3/4-FP-AL-R	.620	9/16	.310
1	1-FP-AL	1-FP-AL-BLK	1-FP-AL-BL	1-FP-AL-R	.770	5/8	.380
1 1/4	1 1/4-FP-AL	1 1/4-FP-AL-BLK	1 1/4-FP-AL-BL	1 1/4-FP-AL-R	.820	3/4	.820

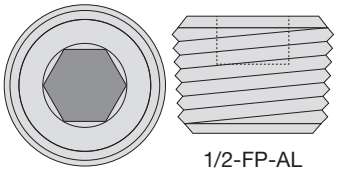



1/16-FP-AL


1/8-FP-AL

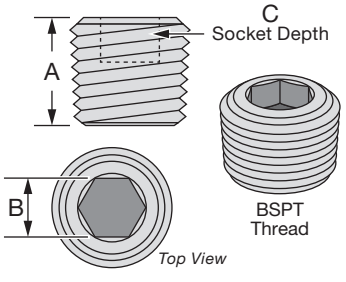

1/4-FP-AL


3/8-FP-AL


1/2-FP-AL

785 Aluminum BSPT Thread Counter-Sunk Plugs (Flush Plugs)

BSPT Thread Size	Part Numbers				Dimensions (Reference)		
	Aluminum 2011-T3	Black Anodized Aluminum 2011-T3	Blue Anodized Aluminum 2011-T3	Red Anodized Aluminum 2011-T3	A Ref.	B Typ.	C Ref.
1/8	1/8BSPT-FP-AL	1/8BSPT-FP-AL-BLK	1/8BSPT-FP-AL-BL	1/8BSPT-FP-AL-R	.290	3/16	.120
1/4	1/4BSPT-FP-AL	1/4BSPT-FP-AL-BLK	1/4BSPT-FP-AL-BL	1/4BSPT-FP-AL-R	.460	1/4	.190
3/8	3/8BSPT-FP-AL	3/8BSPT-FP-AL-BLK	3/8BSPT-FP-AL-BL	3/8BSPT-FP-AL-R	.460	5/16	.190
1/2	1/2BSPT-FP-AL	1/2BSPT-FP-AL-BLK	1/2BSPT-FP-AL-BL	1/2BSPT-FP-AL-R	.610	3/8	.250



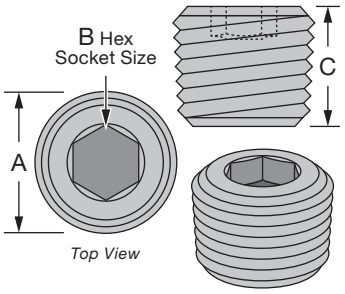
Aluminum Flush Plugs can be also Nickel Plated, Clear Coat Anodized, or Hard Coat Anodized! Other anodized color options available! Minimum quantities & lead times apply!

More thread options available! See list of options on page 435! Consult factory for details!

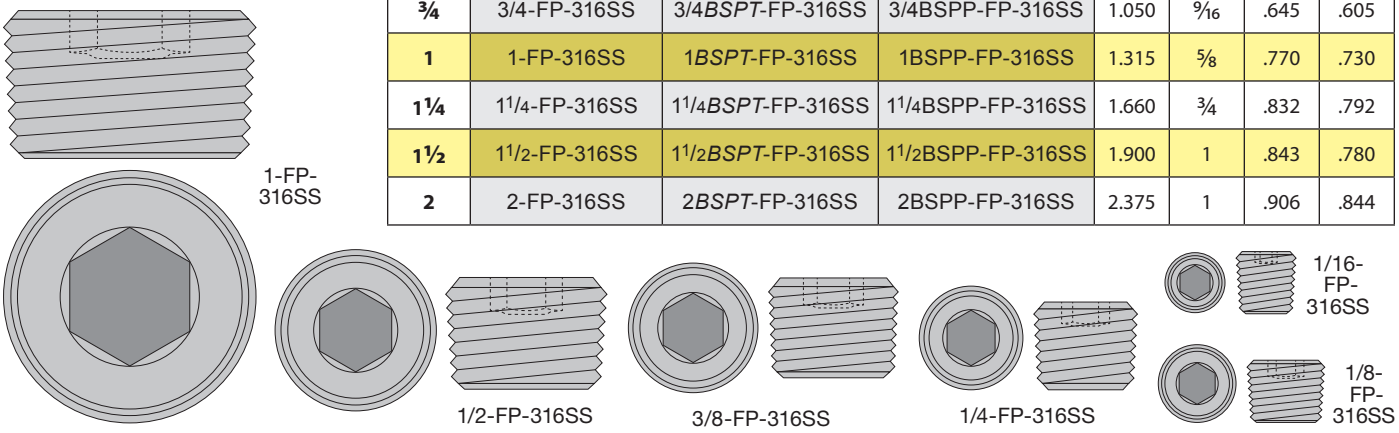

1/8BSPT-FP-AL

E2

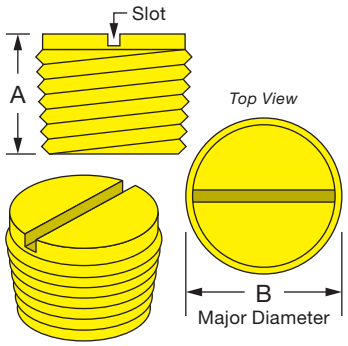
316 Stainless Steel Dry Seal Hex Socket Pressure Plugs/Flush Plugs 786



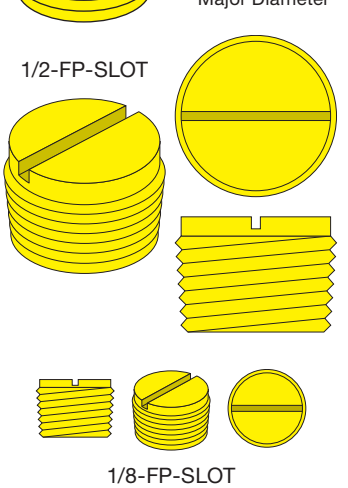
Thread Sizes	Part Numbers			Dimensions (Reference)			
	NPT Stainless Steel 316	BSPT Stainless Steel 316	BSPP Stainless Steel 316	A Maj. Dia.	B Typ.	C Ref. Max.	C Ref. Min.
1/16	1/16-FP-316SS	1/16*BSPT*-FP-316SS	1/16BSPP-FP-316SS	.312	5/32	.324	.300
1/8	1/8-FP-316SS	1/8*BSPT*-FP-316SS	1/8BSPP-FP-316SS	.405	3/16	.324	.300
1/4	1/4-FP-316SS	1/4*BSPT*-FP-316SS	1/4BSPP-FP-316SS	.540	1/4	.457	.417
3/8	3/8-FP-316SS	3/8*BSPT*-FP-316SS	3/8BSPP-FP-316SS	.675	5/16	.520	.480
1/2	1/2-FP-316SS	1/2*BSPT*-FP-316SS	1/2BSPP-FP-316SS	.840	3/8	.582	.542
3/4	3/4-FP-316SS	3/4*BSPT*-FP-316SS	3/4BSPP-FP-316SS	1.050	9/16	.645	.605
1	1-FP-316SS	1*BSPT*-FP-316SS	1BSPP-FP-316SS	1.315	5/8	.770	.730
1 1/4	1 1/4-FP-316SS	1 1/4*BSPT*-FP-316SS	1 1/4BSPP-FP-316SS	1.660	3/4	.832	.792
1 1/2	1 1/2-FP-316SS	1 1/2*BSPT*-FP-316SS	1 1/2BSPP-FP-316SS	1.900	1	.843	.780
2	2-FP-316SS	2*BSPT*-FP-316SS	2BSPP-FP-316SS	2.375	1	.906	.844

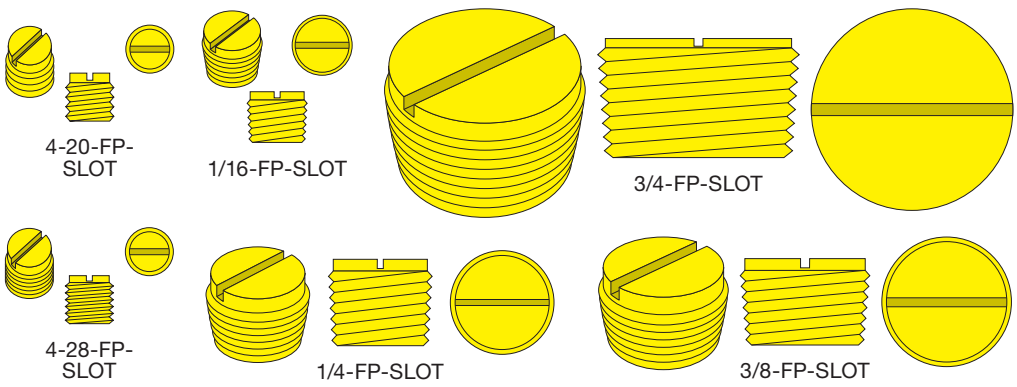


Slotted Flush Plugs 787



Thread Size	Part Numbers					Dimensions (Reference)	
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 2011-T3	Electroless Nickel Plate	A Ref.	B Maj. Dia.
1/4-20	4-20-FP-SLOT	4-20-FP-SLOT-SS	4-20-FP-SLOT-316SS	4-20-FP-SLOT-AL	4-20-FP-SLOT-NP	Consult Factory	.250
1/4-28	4-28-FP-SLOT	4-28-FP-SLOT-SS	4-28-FP-SLOT-316SS	4-28-FP-SLOT-AL	4-28-FP-SLOT-NP		.250
1/16 NPT	1/16-FP-SLOT	1/16-FP-SLOT-SS	1/16-FP-SLOT-316SS	1/16-FP-SLOT-AL	1/16-FP-SLOT-NP		.312
1/8 NPT	1/8-FP-SLOT	1/8-FP-SLOT-SS	1/8-FP-SLOT-316SS	1/8-FP-SLOT-AL	1/8-FP-SLOT-NP	.300	.405
1/4 NPT	1/4-FP-SLOT	1/4-FP-SLOT-SS	1/4-FP-SLOT-316SS	1/4-FP-SLOT-AL	1/4-FP-SLOT-NP	.450	.540
3/8 NPT	3/8-FP-SLOT	3/8-FP-SLOT-SS	3/8-FP-SLOT-316SS	3/8-FP-SLOT-AL	3/8-FP-SLOT-NP	.450	.675
1/2 NPT	1/2-FP-SLOT	1/2-FP-SLOT-SS	1/2-FP-SLOT-316SS	1/2-FP-SLOT-AL	1/2-FP-SLOT-NP	.600	.840
3/4 NPT	3/4-FP-SLOT	3/4-FP-SLOT-SS	3/4-FP-SLOT-316SS	3/4-FP-SLOT-AL	3/4-FP-SLOT-NP	.620	1.050



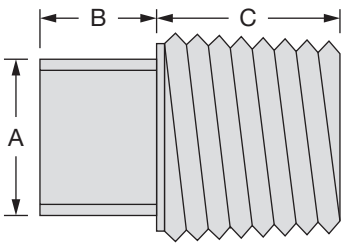


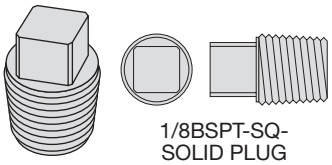
Note: *Images are for visual representation only. Dimensions may vary at time of manufacturing. Consult factory for details!*

E2

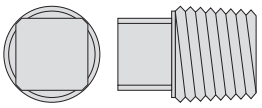
788 BSPT Thread Exterior Square Head Solid Plugs

BSPT Thread Size	Part Numbers				Dimensions (Reference)		
	Aluminum 6061-T6	Black Anodized Aluminum 6061-T6	Blue Anodized Aluminum 6061-T6	Red Anodized Aluminum 6061-T6	A Ref.	B Ref.	C Ref.
1/8	1/8BSPT-SQ-SolidPlug-AL	1/8BSPT-SQ-Solid Plug-AL-BLK	1/8BSPT-SQ-Solid Plug-AL-BL	1/8BSPT-SQ-Solid Plug-AL-R	9/32	.240	.370
1/4	1/4BSPT-SQ-Solid Plug-AL	1/4BSPT-SQ-Solid Plug-AL-BLK	1/4BSPT-SQ-Solid Plug-AL-BL	1/4BSPT-SQ-Solid Plug-AL-R	3/8	.280	.440
3/8	3/8BSPT-SQ-SolidPlug-AL	3/8BSPT-SQ-Solid Plug-AL-BLK	3/8BSPT-SQ-Solid Plug-AL-BL	3/8BSPT-SQ-Solid Plug-AL-R	7/16	.031	.480
1/2	1/2BSPT-SQ-SolidPlug-AL	1/2BSPT-SQ-Solid Plug-AL-BLK	1/2BSPT-SQ-Solid Plug-AL-BL	1/2BSPT-SQ-Solid Plug-AL-R	9/16	.038	.560
3/4	3/4BSPT-SQ-SolidPlug-AL	3/4BSPT-SQ-Solid Plug-AL-BLK	3/4BSPT-SQ-Solid Plug-AL-BL	3/4BSPT-SQ-Solid Plug-AL-R	5/8	.440	.630
1	1BSPT-SQ-SolidPlug-AL	1BSPT-SQ-Solid Plug-AL-BLK	1BSPT-SQ-Solid Plug-AL-BL	1BSPT-SQ-Solid Plug-AL-R	13/16	.050	.750
1 1/2	1 1/2BSPT-SQ-SolidPlug-AL	1 1/2BSPT-SQ-Solid Plug-AL-BLK	1 1/2BSPT-SQ-Solid Plug-AL-BL	1 1/2BSPT-SQ-Solid Plug-AL-R	1 1/8	.620	.830
2	2BSPT-SQ-SolidPlug-AL	2BSPT-SQ-Solid Plug-AL-BLK	2BSPT-SQ-Solid Plug-AL-BL	2BSPT-SQ-Solid Plug-AL-R	1 5/16	.680	.880

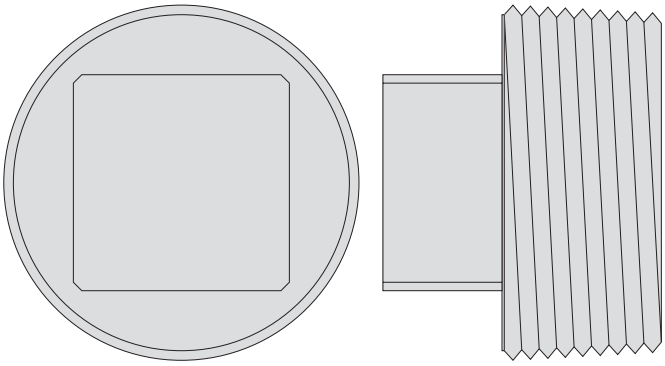




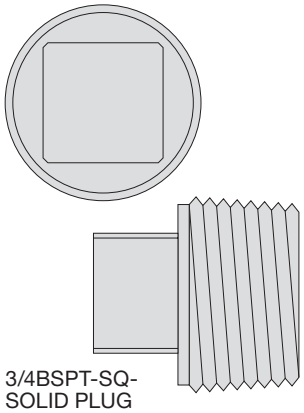
1/8BSPT-SQ-SOLID PLUG



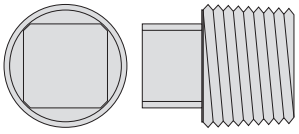
1/4BSPT-SQ-SOLID PLUG



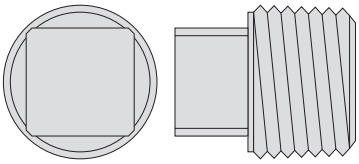
1 1/2BSPT-SQ-SOLID PLUG



3/4BSPT-SQ-SOLID PLUG



3/8BSPT-SQ-SOLID PLUG

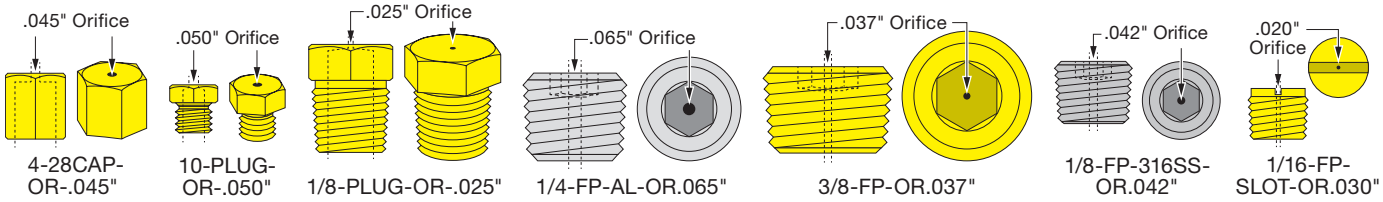


1/2BSPT-SQ-SOLID PLUG

Exterior Square Head Solid Plugs can also be Nickel Plated, Clear Coat Anodized, or Hard Coat Anodized! Other anodized color options available! Minimum quantities & lead times apply!

Orifice options are NOT available on Exterior Square Head Solid Plugs!

Orifice options are available for Female Caps, Male Threaded Plugs, and Flush Plugs! Orifice diameters are available in increasing increments of .001". See pages 441 - 443 for more information! Consult factory for details!

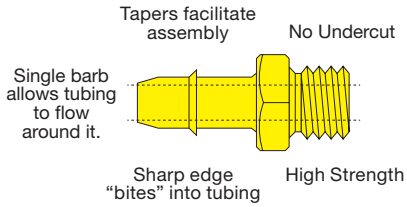


4-28CAP-OR-.045" | 10-PLUG-OR-.050" | 1/8-PLUG-OR-.025" | 1/4-FP-AL-OR.065" | 3/8-FP-OR.037" | 1/8-FP-316SS-OR.042" | 1/16-FP-SLOT-OR.030"

Many thread sizes are available for Caps & Plugs. Lead times & minimum quantities may apply. Consult factory for details! Thread size options include:

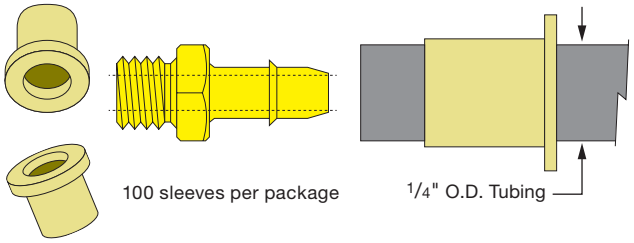
2-56	M2	M6x.75	M8x.75	1/16 BSPT	1/2 BSPT	1/16 BSPP	1/2 BSPP
3-56	M3	M6x1	M8x1	1/8 BSPT	3/4 BSPT	1/8 BSPP	3/4 BSPP
6-32	M4	M7	M8x1.25	1/4 BSPT	1 BSPT	1/4 BSPP	1 BSPP
10-24	M5			3/8 BSPT		3/8 BSPP	

F Series Barbed Fittings



Mem-Co's unique single barb design provides superior resistance to "Tubing Pull-Off." Additionally, the treated fittings are produced without any undercut at the thread base. This results in a fitting with superior strength. The fittings can be locked firmly into place using a thread sealant and can be removed, if necessary, without heating or breakage.

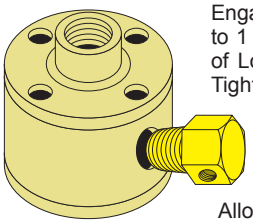
Flanged Locking Sleeves



Sleeves quickly and firmly lock 1/4" O.D. tubing to barbed fittings. Eliminates maintenance problems caused by tubing stretch and enlargement. To install, place sleeve over tubes as shown above. Install hose over fitting as usual. Slide sleeve over hose until it covers barbed area of fitting.

Thread Sealant - No Gasket Assembly

Any "L", "T", or "X" fitting can be aimed in the needed direction, rather than changing a broken gasket from over-tightening or leakage from under-tightening.



Engage the fitting 1/2 to 1 turn. Apply a drop of Loctite® at junction. Tighten fully by hand, then back off it (1 full turn max.) if necessary for desired position.

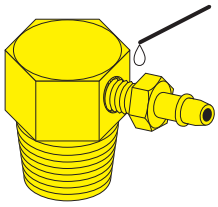
Allow Loctite® to cure.

Recommended Loctite® anaerobic sealants

Number	Color	Approximate Cure Time
RC/609	Green	1 - 6 hours
209 (wicking)	Green	1 - 2 hours

Note: It is recommended that Loctite® Primer be used on the male thread before installing. This shortens handling and cure time. Low temperature heat, such as sunshine or heat from a light bulb, can also be used to speed curing.

Use a wire or similar object to apply a drop of Loctite®.

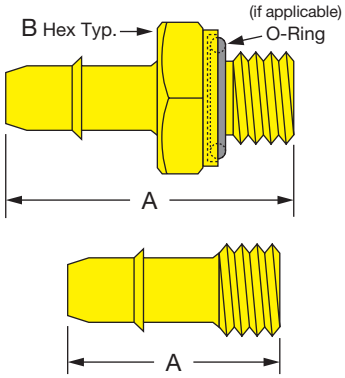


Engage the barbed fitting 1/2 to 1 turn. Apply a drop of Loctite® at junction. Finish treading the fitting into the hole.

Allow the Loctite® to cure.

Loctite® is a registered trademark of Loctite Corp.

#1, #3, and #4 Barbed Fittings 789



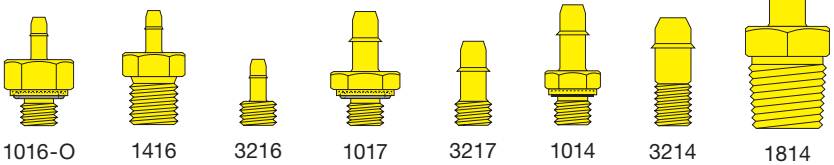
Barb #	Tube ID	Thread Size	Type of Seal	Part Numbers: Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	Dimensions (Reference): A Ref.	B Typ.
1	1/16	10-32	O-Ring	1016-O	1016-O-SS	1016-O-316SS	1016-O-AL	1016-O-NP	9/16	5/16
1	1/16	1/4-28	No Gasket	1416	1416-SS	1416-316SS	1416-AL	1416-NP	19/32	9/32
1	1/16	10-32	No Gasket	3216	3216-SS	3216-316SS	3216-AL	3216-NP	11/32	N/A
3	1/8	10-32	O-Ring	1017	1017-SS	1017-316SS	1017-AL	1017-NP	19/32	5/16
3	1/8	10-32 Hexless	No Gasket	3217	3217-SS	3217-316SS	3217-AL	3217-NP	15/32	N/A
4	.170	10-32	GA-10 Gasket	1014	1014-SS	1014-316SS	1014-AL	1014-NP	5/8	1/4
4	.170	1/8 NPT	No Gasket	1814	1814-SS	1814-316SS	1814-AL	1814-NP	27/32	7/16
4	.170	10-32 Hexless	No Gasket	3214	3214-SS	3214-316SS	3214-AL	3214-NP	9/16	N/A

F Series Barbed Fittings can be substituted with the following Male Thread to Tube (Straight) Fittings:

1016-O = B1-O
1017 = B3
1014 = B4
1416 = 4-28B4
1814 = 1/8B4
3216 = BA1
3214 = BA4

Use thread sealant with: 1416, 3216, 3217, & 3214

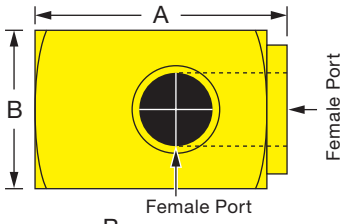
O-Ring materials listed on page 65!

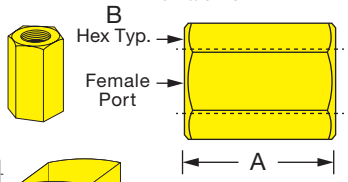


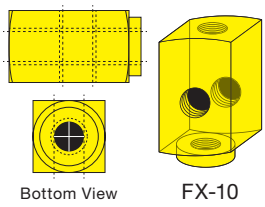
Other barb sizes and fitting options available! Consult factory for details!

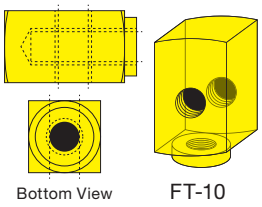
790 10-32 Female to Female Thread Fittings

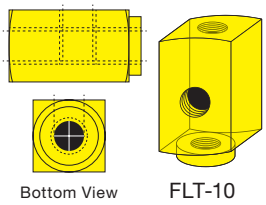
Type of Fitting	Part Numbers					Dimensions (Reference)	
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Ref.
Hex Coupling	1020	1020-SS	1020-316SS	1020-AL	1020-NP	3/8	1/4
Square Elbow	FL-10	FL-10-SS	FL-10-316SS	FL-10-AL	FL-10-NP	5/8	3/8
Square L-Tee	FLT-10	FLT-10-SS	FLT-10-316SS	FLT-10-AL	FLT-10-NP	5/8	3/8
Square Tee	FT-10	FT-10-SS	FT-10-316SS	FT-10-AL	FT-10-NP	5/8	3/8
Square Cross	FX-10	FX-10-SS	FX-10-316SS	FX-10-AL	FX-10-NP	5/8	3/8

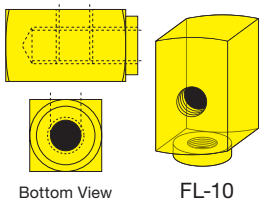


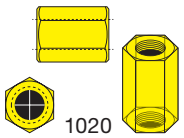






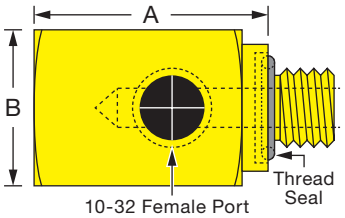


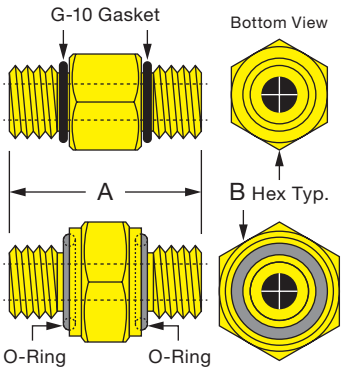


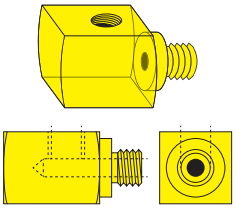


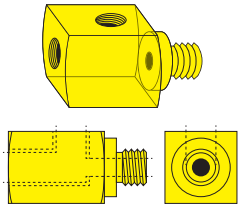
791 10-32 Male to Female Thread Fittings & Male to Male Hex Nipples

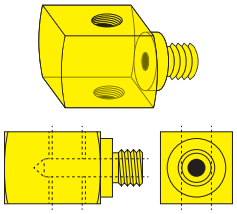
Type of Fitting and Thread Seal	Part Numbers					Dimensions (Reference)	
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Ref.
Hex Nipple Gaskets included	1010	1010-SS	1010-316SS	1010-AL	1010-NP	1/2	1/4
Hex Nipple O-Rings installed	1010-O	1010-O-SS	1010-O-316SS	1010-O-AL	1010-O-NP	1/2	5/16
Square Elbow Gasket included	ML-10	ML-10-SS	ML-10-316SS	ML-10-AL	ML-10-NP	9/16	3/8
Square Elbow O-Rings installed	ML-10-O	ML-10-O-SS	ML-10-O-316SS	ML-10-O-AL	ML-10-O-NP	9/16	3/8
Square L-Tee Gasket included	MLT-10	MLT-10-SS	MLT-10-316SS	MLT-10-AL	MLT-10-NP	9/16	3/8
Square L-Tee O-Rings installed	MLT-10-O	MLT-10-O-SS	MLT-10-O-316SS	MLT-10-O-AL	MLT-10-O-NP	9/16	3/8
Square Tee Gasket included	MT-10	MT-10-SS	MT-10-316SS	MT-10-AL	MT-10-NP	9/16	3/8
Square Tee O-Ring installed	MT-10-O	MT-10-O-SS	MT-10-O-316SS	MT-10-O-AL	MT-10-O-NP	9/16	3/8
Square Cross Gasket included	MX-10	MX-10-SS	MX-10-316SS	MX-10-AL	MX-10-NP	9/16	3/8
Square Cross O-Ring installed	MX-10-O	MX-10-O-SS	MX-10-O-316SS	MX-10-O-AL	MX-10-O-NP	9/16	3/8

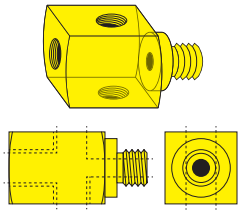






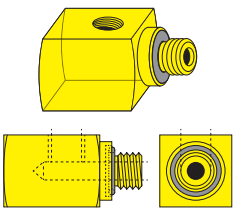


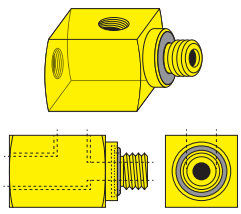


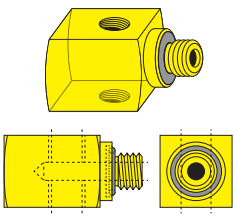


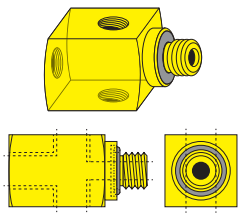










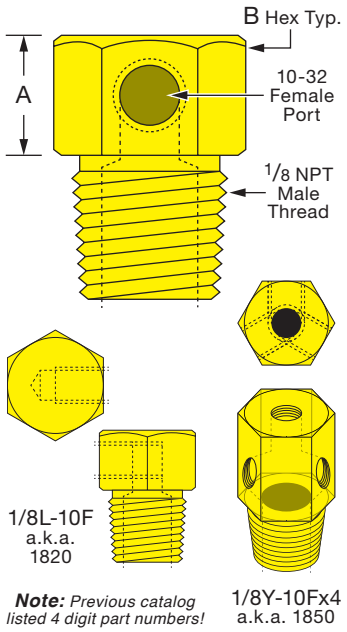


Short body options available! Consult factory for details!

F Series 10-32 Male Thread Fittings are supplied with G-10 gaskets or have Buna-N O-rings installed. Additional material options are listed on page 65.

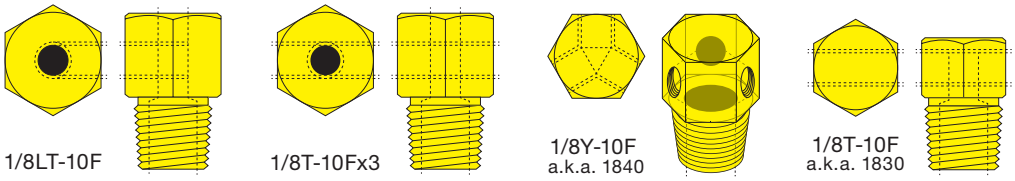
F2

1/8 NPT Male Thread to 10-32 Female Fittings 792

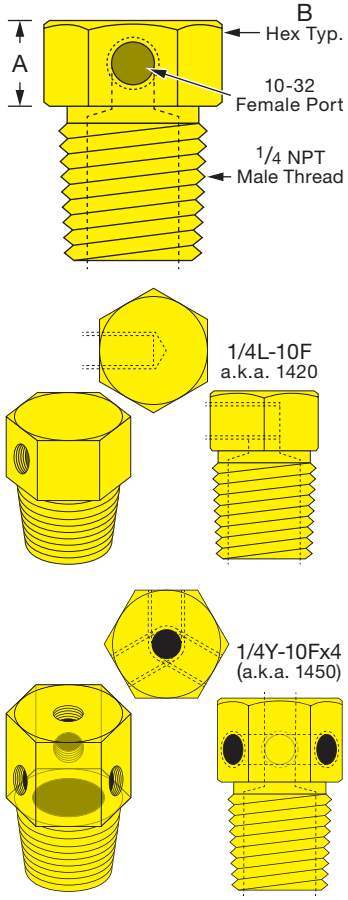


Note: *Previous catalog listed 4 digit part numbers!*

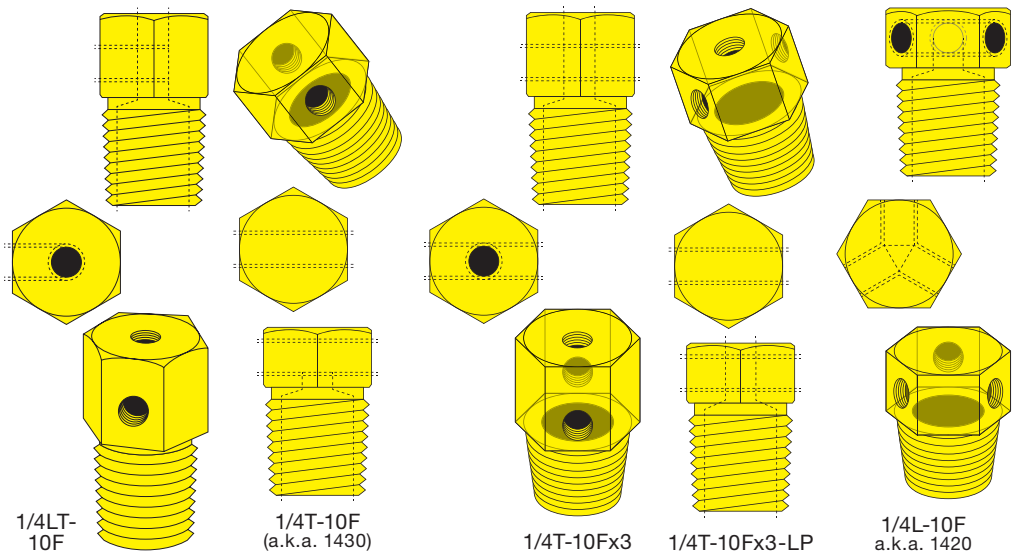
Female Port Location	Part Numbers					Dimensions (Reference)	
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.
Elbow a.k.a. 1820	1/8L-10F	1/8L-10F-SS	1/8L-10F-316SS	1/8L-10F-AL	1/8L-10F-NP	5/16	7/16
L-Tee	1/8LT-10F	1/8LT-10F-SS	1/8LT-10F-316SS	1/8LT-10F-AL	1/8LT-10F-NP	7/16	1/2
Tee a.k.a. 1830	1/8T-10F	1/8T-10F-SS	1/8T-10F-316SS	1/8T-10F-AL	1/8T-10F-NP	5/16	7/16
Tee x 3	1/8T-10Fx3	1/8T-10Fx3-SS	1/8T-10Fx3-316SS	1/8T-10Fx3-AL	1/8T-10Fx3-NP	7/16	7/16
3-way Y a.k.a. 1840	1/8Y-10F	1/8Y-10F-SS	1/8Y-10F-316SS	1/8Y-10F-AL	1/8Y-10F-NP	5/16	7/16
4-way Y a.k.a. 1850	1/8Y-10Fx4	1/8Y-10Fx4-SS	1/8Y-10Fx4-316SS	1/8Y-10Fx4-AL	1/8Y-10Fx4-NP	7/16	7/16



1/4 NPT Male Thread to 10-32 Female Fittings 793



Female Port Location	Part Numbers					Dimensions (Reference)	
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.
Elbow a.k.a. 1420	1/4L-10F	1/4L-10F-SS	1/4L-10F-316SS	1/4L-10F-AL	1/4L-10F-NP	5/16	9/16
L-Tee	1/4LT-10F	1/4LT-10F-SS	1/4LT-10F-316SS	1/4LT-10F-AL	1/4LT-10F-NP	7/16	9/16
Tee a.k.a. 1430	1/4T-10F	1/4T-10F-SS	1/4T-10F-316SS	1/4T-10F-AL	1/4T-10F-NP	5/16	9/16
Tee x 3	1/4T-10Fx3	1/4T-10Fx3-SS	1/4T-10Fx3-316SS	1/4T-10Fx3-AL	1/4T-10Fx3-NP	7/16	9/16
Low Profile Tee x 3	1/4T-10Fx3-LP	1/4T-10Fx3-LP-SS	1/4T-10Fx3-LP-316SS	1/4T-10Fx3-LP-AL	1/4T-10Fx3-LP-NP	5/16	9/16
3-way Y a.k.a. 1440	1/4Y-10F	1/4Y-10F-SS	1/4Y-10F-316SS	1/4Y-10F-AL	1/4Y-10F-NP	5/16	9/16
4-way Y a.k.a. 1450	1/4Y-10Fx4	1/4Y-10Fx4-SS	1/4Y-10Fx4-316SS	1/4Y-10Fx4-AL	1/4Y-10Fx4-NP	7/16	9/16

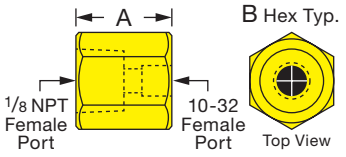


Custom options available! Lead times and minimum quantities may apply! Consult factory or details!

F2

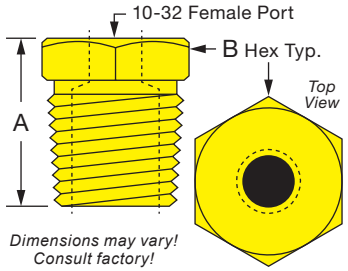
794 Female to Female Thread Reducing Fitting

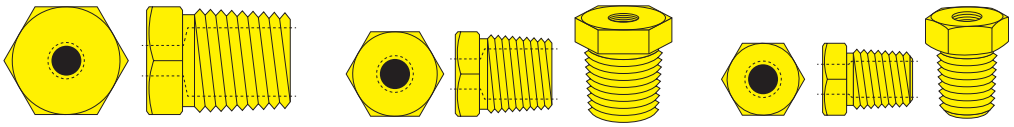
Thread Sizes		Part Numbers					Dimensions (Reference)	
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.
1/8	10-32	1860	1860-SS	1860-316SS	1860-AL	1860-NP	1/2	7/16



795 Male to Female Thread Reducing Fittings

Male Thread Size	Female Thread Size	Part Numbers					Dimensions (Reference)	
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.
1/16	10-32	1610	1610-SS	1610-316SS	1610-AL	1610-NP	15/32	3/8
1/8	10-32	1810	1810-SS	1810-316SS	1810-AL	1810-NP	1/2	7/16
1/4	10-32	1410	1410-SS	1410-316SS	1410-AL	1410-NP	3/4	9/16

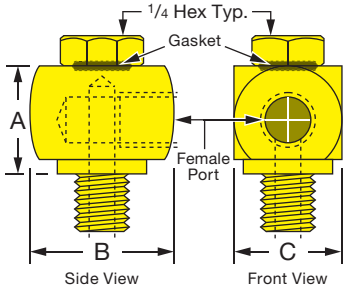


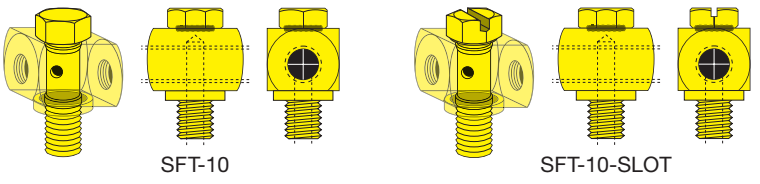


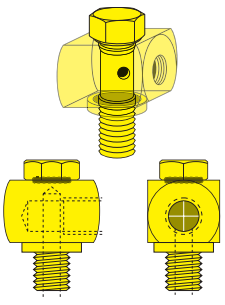
More Male to Female Thread Reducing Fittings (Reducing Bushings) are listed on pages 386 - 391!

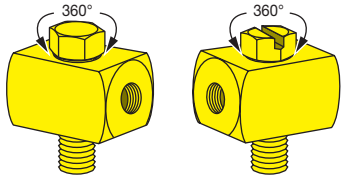
796 10-32 Male Thread Adjustable Fittings with Female Ports

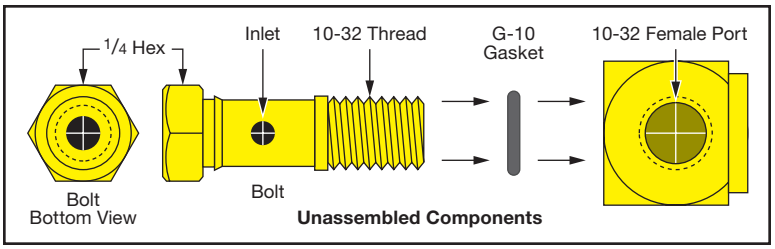
Fitting Type	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
Elbow No Slot	SFL-10	SFL-10-SS	SFL-10-316SS	SFL-10-NP	3/8	1/2	3/8
Elbow Slotted Hex	SFL-10-SLOT	SFL-10-SLOT-SS	SFL-10-SLOT-316SS	SFL-10-SLOT-NP	3/8	1/2	3/8
Tee No Slot	SFT-10	SFT-10-SS	SFT-10-316SS	SFT-10-NP	3/8	1/2	3/8
Tee Slotted Hex	SFT-10-SLOT	SFT-10-SLOT-SS	SFT-10-SLOT-316SS	SFT-10-SLOT-NP	3/8	1/2	3/8



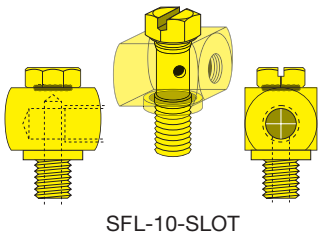








Supplied with G-10 Gasket!



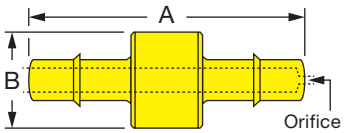
Replacement G-10 Gaskets

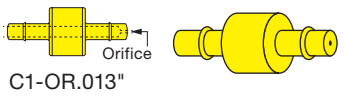


- *100 per package*
- *For 10-32 fittings*
- *1/32" thick fiber*

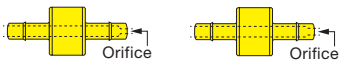
Consult factory for details!

Couplings with Orifices 797

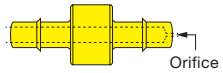




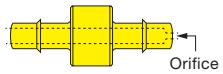
C1-OR.013"



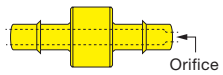
C1-OR.025" C1-OR.035"



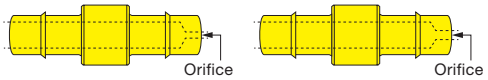
C3-OR.015"



C3-OR.030"



C3-OR.050"



C5-OR.032" C5-OR.047"

Tube ID	Orifice Part Numbers: Fitting #	Orifice Part Numbers: Sample Part Numbers	Dimensions (Reference): A Ref.	Dimensions (Reference): B Dia.
1/16	C1	C1-OR-###"	5/8	1/4
5/64 / 2mm	C2	C2-OR-###"	5/8	1/4
3/32	C2 1/2	C2 1/2-OR-###"	41/64	9/32
1/8	C3	C3-OR-###"	27/32	5/16
5/32 / 4mm	C3 1/2	C3 1/2-OR-###"	27/32	5/16
.170	C4	C4-OR-###"	15/16	5/16
3/16	C5	C5-OR-###"	1.00	3/8
7/32	C5 1/2	C5 1/2-OR-###"	1.00	3/8
6mm	C5 3/4	C5 3/4-OR-###"	1 5/16	7/16
1/4	C6	C6-OR-###"	1 5/16	7/16
5/16 / 8mm	C7	C7-OR-###"	1 21/32	5/8
3/8	C8	C8-OR-###"	1 33/64	5/8

Orifice Diameters*			
Orifice Diameter	Orifice Diameter	Orifice Diameter	Orifice Diameter
.005"	.020"	.035"	.050"
.006"	.021"	.036"	.051"
.007"	.022"	.037"	.052"
.008"	.023"	.038"	.053"
.009"	.024"	.039"	.054"
.010"	.025"	.040"	.055"
.011"	.026"	.041"	.056"
.012"	.027"	.042"	.057"
.013"	.028"	.043"	.058"
.014"	.029"	.044"	.059"
.015"	.030"	.045"	.060"
.016"	.031"	.046"	.061"
.017"	.032"	.047"	.062"
.018"	.033"	.048"	.063"
.019"	.034"	.049"	.064"

Part Numbers for Couplings with Orifices:

Coupling Number → C# - OR - .###" ← Orifice Diameter

Orifice Indicator → OR

Other branch sizes available! Consult factory for details!

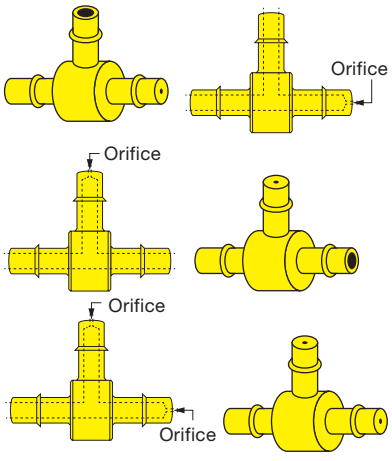
***Orifice diameters available in increasing increments of .001".**

Specialty smaller orifice through holes available! Consult factory for details!

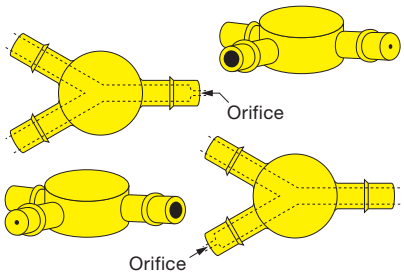
Unless otherwise specified, parts will be Brass. To order other materials, please add the following codes to the part number:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -AL = Aluminum 6061-T6 -NP = Electroless Nickel Plate

Other Tube to Tube Fittings with Orifice Options Available

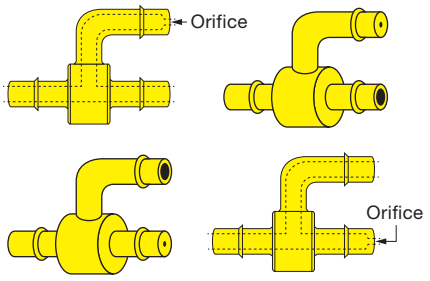
Tee Orifices



Y Orifices

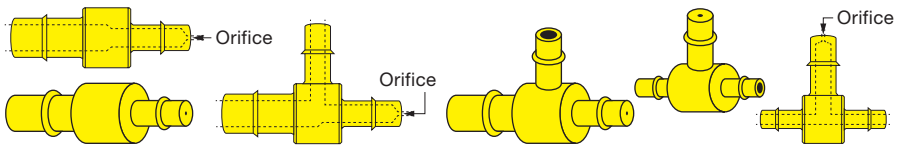


Parallel Run L-Tee Orifices



Reducing Orifices

Other Reducing options available!



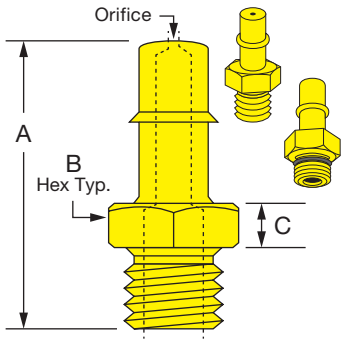
Orifice can be put on any branch! Orifice diameters are available in increasing increments of .001"!

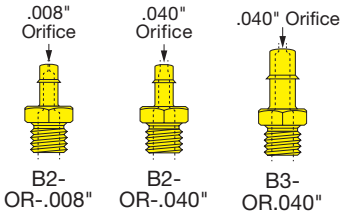
Lead times & minimum quantities apply! Consult factory for details!

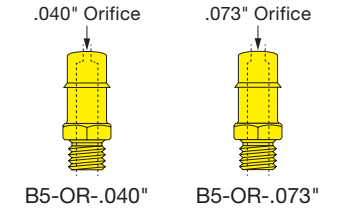
798 10-32 Male Thread to Tube Fittings with Orifices and Fibre Gasket Supplied

Tube ID	Orifice Part Numbers		Dimensions (Reference)		
	Fitting #	Sample Part Numbers	A Ref.	B Typ.	C Ref.
1/16	B1	B1-OR-###"	29/64	1/4	.085
5/64 / 2mm	B2	B2-OR-###"	29/64	1/4	.085
3/32	B2 1/2	B2 1/2-OR-###"	29/64	1/4	.085
1/8	B3	B3-OR-###"	35/64	1/4	.085
5/32 / 4mm	B3 1/2	B3 1/2-OR-###"	35/64	1/4	.085
.170	B4	B4-OR-###"	37/64	1/4	.085
3/16	B5	B5-OR-###"	39/64	1/4	.085
7/32	B5 1/2	B5 1/2-OR-###"	39/64	5/16	.085
6mm	B5 3/4	B5 3/4-OR-###"	5/8	5/16	.085
1/4	B6	B6-OR-###"	5/8	5/16	1/8
5/16 / 8mm	B7	B7-OR-###"	29/32	3/8	1/8
3/8	B8	B8-OR-###"	13/16	7/16	1/8

Orifice Diameters*			
Orifice Diameter	Orifice Diameter	Orifice Diameter	Orifice Diameter
.005"	.020"	.035"	.050"
.006"	.021"	.036"	.051"
.007"	.022"	.037"	.052"
.008"	.023"	.038"	.053"
.009"	.024"	.039"	.054"
.010"	.025"	.040"	.055"
.011"	.026"	.041"	.056"
.012"	.027"	.042"	.057"
.013"	.028"	.043"	.058"
.014"	.029"	.044"	.059"
.015"	.030"	.045"	.060"
.016"	.031"	.046"	.061"
.017"	.032"	.047"	.062"
.018"	.033"	.048"	.063"
.019"	.034"	.049"	.064"







Part Numbers for 10-32 Thread to Tube Fittings with Orifices:

Fitting Number → **B#** - **OR** - **.###"** ← Orifice Diameter

OR → Orifice Indicator

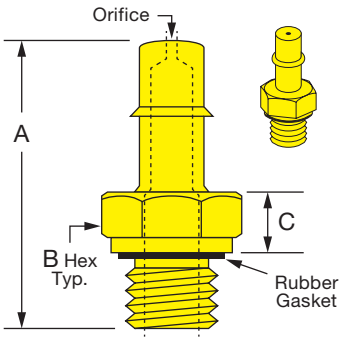
Material options are listed below!

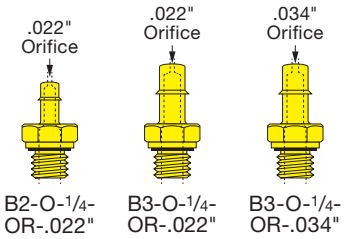
Metric threads also available!

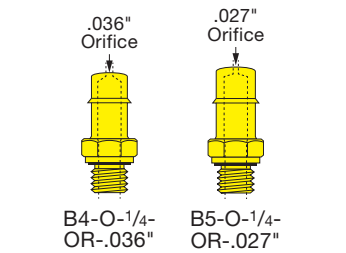
799 10-32 Male Thread to Tube Fittings with Orifices and Rubber Gasket Installed

Tube ID	Orifice Part Numbers		Dimensions (Reference)		
	Fitting #	Sample Part Numbers	A Ref.	B Typ.	C Ref.
1/16	B1	B1-O-1/4-OR-###"	1/2	1/4	1/8
5/64 / 2mm	B2	B2-O-1/4-OR-###"	1/2	1/4	1/8
3/32	B2 1/2	B2 1/2-O-1/4-OR-###"	1/2	1/4	1/8
1/8	B3	B3-O-1/4-OR-###"	19/32	1/4	1/8
5/32 / 4mm	B3 1/2	B3 1/2-O-1/4-OR-###"	19/32	1/4	1/8
.170	B4	B4-O-1/4-OR-###"	5/8	1/4	1/8
3/16	B5	B5-O-1/4-OR-###"	21/32	1/4	1/8

Orifice Diameters*			
Orifice Diameter	Orifice Diameter	Orifice Diameter	Orifice Diameter
.005"	.020"	.035"	.050"
.006"	.021"	.036"	.051"
.007"	.022"	.037"	.052"
.008"	.023"	.038"	.053"
.009"	.024"	.039"	.054"
.010"	.025"	.040"	.055"
.011"	.026"	.041"	.056"
.012"	.027"	.042"	.057"
.013"	.028"	.043"	.058"
.014"	.029"	.044"	.059"
.015"	.030"	.045"	.060"
.016"	.031"	.046"	.061"
.017"	.032"	.047"	.062"
.018"	.033"	.048"	.063"
.019"	.034"	.049"	.064"







Unless otherwise specified, parts will be Brass. To order other materials, add the following codes:

- **-SS** = Stainless Steel 303
- **-316SS** = Stainless Steel 316
- **-AL** = Aluminum 6061-T6
- **-NP** = Electroless Nickel Plate

***Orifice diameters available in increasing increments of .001".**

Part Numbers for 10-32 Thread to Tube with Orifices and Rubber Gaskets:

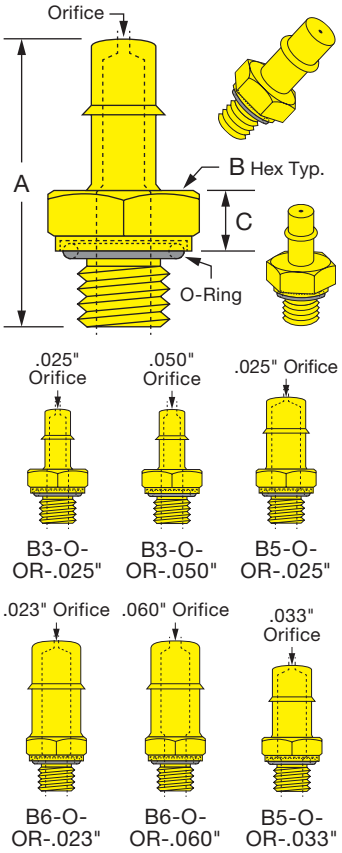
Fitting Number → **B#** - **O-1/4** - **OR** - **.###"** ← Orifice Diameter

O-1/4 → Rubber Gasket Indicator

OR → Orifice Indicator

G2

10-32 Male Thread to Tube Fittings with Orifices and O-Ring Seal Installed 800



Tube ID	Orifice Part Numbers: Fitting #	Orifice Part Numbers: Sample Part Numbers	Dimensions (Reference): A Ref.	B Typ.	C Ref.
1/16	B1	B1-O-OR-###"	1/2	1/4	1/8
5/64 / 2mm	B2	B2-O-OR-###"	1/2	1/4	1/8
3/32	B2 1/2	B2 1/2-O-OR-###"	1/2	1/4	1/8
1/8	B3	B3-O-OR-###"	19/32	1/4	1/8
5/32 / 4mm	B3 1/2	B3 1/2-O-OR-###"	19/32	1/4	1/8
.170	B4	B4-O-OR-###"	5/8	1/4	1/8
3/16	B5	B5-O-OR-###"	21/32	1/4	1/8
7/32	B5 1/2	B5 1/2-O-OR-###"	21/32	5/16	1/8
6mm	B5 3/4	B5 3/4-O-OR-###"	25/32	5/16	1/8
1/4	B6	B6-O-OR-###"	25/32	5/16	1/8
5/16 / 8mm	B7	B7-O-OR-###"	Consult Factory		
3/8	B8	B8-O-OR-###"	Consult Factory		

Orifice Diameters*			
Orifice Diameter	Orifice Diameter	Orifice Diameter	Orifice Diameter
.005"	.020"	.035"	.050"
.006"	.021"	.036"	.051"
.007"	.022"	.037"	.052"
.008"	.023"	.038"	.053"
.009"	.024"	.039"	.054"
.010"	.025"	.040"	.055"
.011"	.026"	.041"	.056"
.012"	.027"	.042"	.057"
.013"	.028"	.043"	.058"
.014"	.029"	.044"	.059"
.015"	.030"	.045"	.060"
.016"	.031"	.046"	.061"
.017"	.032"	.047"	.062"
.018"	.033"	.048"	.063"
.019"	.034"	.049"	.064"

Part Numbers for 10-32 Thread to Tube with Orifices and O-Rings:

Fitting Number → **B#** - **O** - **OR** - **.###"** ← Orifice Diameter

O ← O-Ring Indicator; **OR** ← Orifice Indicator

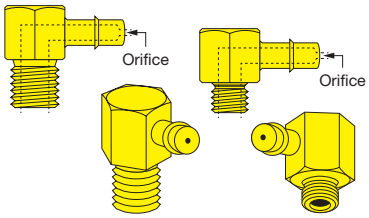
Buna-N O-Ring supplied! Other materials listed on page 65!

***Orifice diameters available in increasing increments of .001"!**

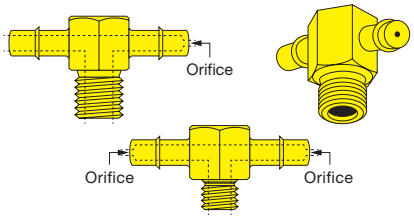
Unless otherwise specified, parts will be Brass. To order other materials, please add the following codes to the part number:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -AL = Aluminum 6061-T6 -NP = Electroless Nickel Plate

Other 10-32 & 1/4-28 Male Thread Fittings to Tube with Orifice Options Available

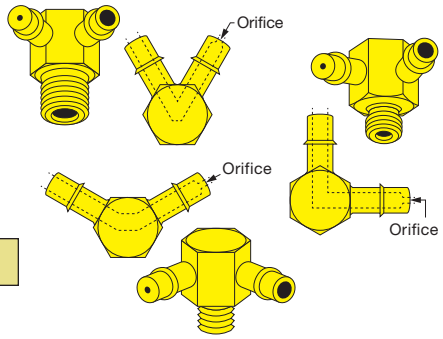
Elbow Orifices



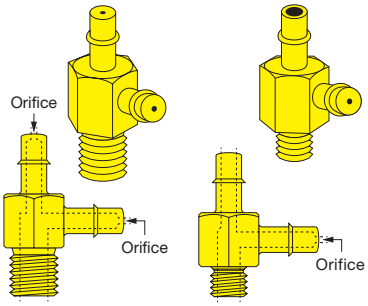
Tee Orifices



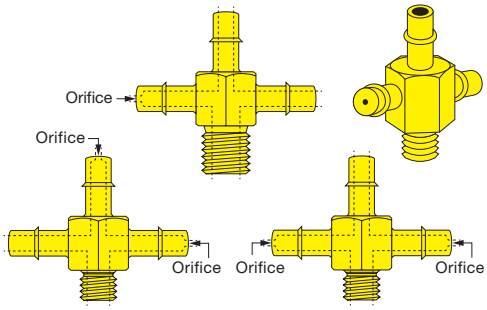
V-Tee Orifices



L-Tee Orifices



Tee x 3 Orifices



O-Ring options available! See page 65 for O-Ring materials!

Reducing options also available!

Consult factory for details!

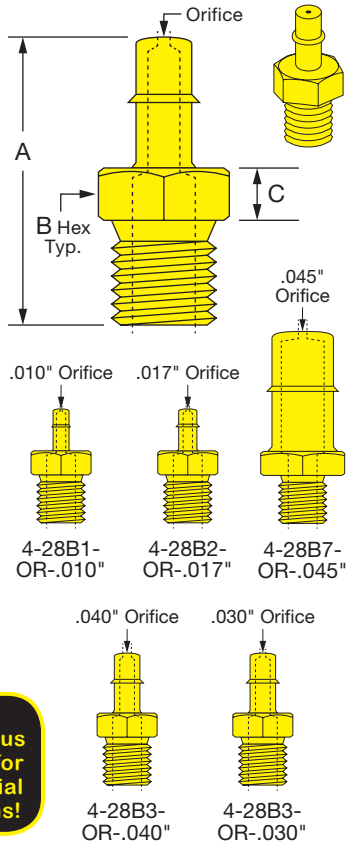
Note: *Images are for visual representation only; not intended for dimensional measurements.*

G2

801 1/4-28 Male Thread to Tube Fittings with Orifices and Fibre Gasket Supplied

Tube ID	Orifice Part Numbers: Fitting #	Orifice Part Numbers: Sample Part Numbers	Dimensions (Reference): A Ref.	B Typ.	C Ref.
1/16	B1	4-28B1-OR-###"	19/32	5/16	1/8
5/64 / 2mm	B2	4-28B2-OR-###"	19/32	5/16	1/8
3/32	B2 1/2	4-28B2 1/2-OR-###"	19/32	5/16	1/8
1/8	B3	4-28B3-OR-###"	11/16	5/16	1/8
5/32 / 4mm	B3 1/2	4-28B3 1/2-OR-###"	11/16	5/16	1/8
.170	B4	4-28B4-OR-###"	11/16	5/16	1/8
3/16	B5	4-28B5-OR-###"	3/4	5/16	1/8
7/32	B5 1/2	4-28B5 1/2-OR-###"	3/4	5/16	1/8
6mm	B5 3/4	4-28B5 3/4-OR-###"	3/4	5/16	1/8
1/4	B6	4-28B6-OR-###"	7/8	5/16	1/8
5/16 / 8mm	B7	4-28B7-OR-###"	5/8	7/16	1/8
3/8	B8	4-28B8-OR-###"	17/32	7/16	1/8

Orifice Diameters*			
Orifice Diameter	Orifice Diameter	Orifice Diameter	Orifice Diameter
.005"	.020"	.035"	.050"
.006"	.021"	.036"	.051"
.007"	.022"	.037"	.052"
.008"	.023"	.038"	.053"
.009"	.024"	.039"	.054"
.010"	.025"	.040"	.055"
.011"	.026"	.041"	.056"
.012"	.027"	.042"	.057"
.013"	.028"	.043"	.058"
.014"	.029"	.044"	.059"
.015"	.030"	.045"	.060"
.016"	.031"	.046"	.061"
.017"	.032"	.047"	.062"
.018"	.033"	.048"	.063"
.019"	.034"	.049"	.064"



Part Numbers for 1/4-28 Thread to Tube Fittings with Orifices:

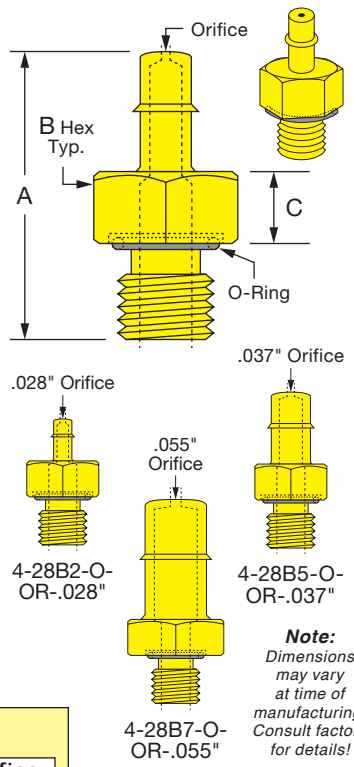
Thread Size → **4-28** (Fittings Series) **B#** - **OR** (Orifice Indicator) - **.###"** ← Orifice Diameter

See previous page for material options!

802 1/4-28 Male Thread to Tube Fittings with Orifices and O-Ring Seal Installed

Tube ID	Orifice Part Numbers: Fitting #	Orifice Part Numbers: Sample Part Numbers	Dimensions (Reference): A Ref.	B Typ.	C Ref.
1/16	B1	4-28B1-O-OR-###"	21/32	3/8	3/16
5/64 / 2mm	B2	4-28B2-O-OR-###"	21/32	3/8	3/16
3/32	B2 1/2	4-28B2 1/2-OR-###"-O	21/32	3/8	3/16
1/8	B3	4-28B3-O-OR-###"	3/4	3/8	3/16
5/32 / 4mm	B3 1/2	4-28B3 1/2-O-OR-###"	3/4	3/8	3/16
.170	B4	4-28B4-O-OR-###"	3/4	3/8	3/16
3/16	B5	4-28B5-O-OR-###"	7/8	3/8	3/16
7/32	B5 1/2	4-28B5 1/2-O-OR-###"	7/8	3/8	3/16
6mm	B5 3/4	4-28B5 3/4-O-OR-###"	15/16	3/8	3/16
1/4	B6	4-28B6-O-OR-###"	15/16	3/8	3/16
5/16 / 8mm	B7	4-28B7-O-OR-###"	1 1/16	1/2	3/16
3/8	B8	4-28B8-O-OR-###"	29/32	1/2	3/16

Orifice Diameters*			
Orifice Diameter	Orifice Diameter	Orifice Diameter	Orifice Diameter
.005"	.020"	.035"	.050"
.006"	.021"	.036"	.051"
.007"	.022"	.037"	.052"
.008"	.023"	.038"	.053"
.009"	.024"	.039"	.054"
.010"	.025"	.040"	.055"
.011"	.026"	.041"	.056"
.012"	.027"	.042"	.057"
.013"	.028"	.043"	.058"
.014"	.029"	.044"	.059"
.015"	.030"	.045"	.060"
.016"	.031"	.046"	.061"
.017"	.032"	.047"	.062"
.018"	.033"	.048"	.063"
.019"	.034"	.049"	.064"



Note: *Dimensions may vary at time of manufacturing. Consult factory for details!*

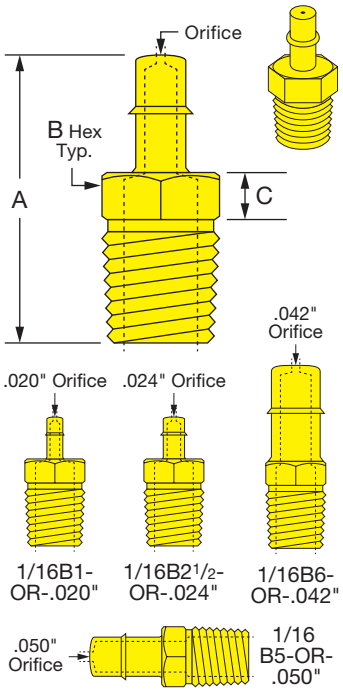
Part Numbers for 1/4-28 Thread to Tube Fittings with Orifices and O-Ring:

Thread Size → **4-28** (Fittings Series) **B#** - **O** (O-Ring Indicator) - **OR** (Orifice Indicator) - **.###"** ← Orifice Diameter

See previous page for material options!

G2

1/16 NPT Male Thread to Tube Fittings with Orifices — 803



Tube ID	Orifice Part Numbers: Fitting #	Orifice Part Numbers: Sample Part Numbers	Dimensions (Reference): A Ref.	B Typ.	C Ref.
1/16	B1	1/16B1-OR-###"	7/32	5/16	1/8
5/64 / 2mm	B2	1/16B2-OR-###"	7/32	5/16	1/8
3/32	B2 1/2	1/16B2 1/2-OR-###"	7/32	5/16	1/8
1/8	B3	1/16B3-OR-###"	5/16	5/16	1/8
5/32 / 4mm	B3 1/2	1/16B3 1/2-OR-###"	5/16	5/16	1/8
.170	B4	1/16B4-OR-###"	5/16	5/16	1/8
3/16	B5	1/16B5-OR-###"	3/8	5/16	1/8
7/32	B5 1/2	1/16B5 1/2-OR-###"	3/8	5/16	1/8
6mm	B5 3/4	1/16B5 3/4-OR-###"	1/2	5/16	1/8
1/4	B6	1/16B6-OR-###"	1/2	5/16	1/8
5/16 / 8mm	B7	1/16B7-OR-###"	Consult		
3/8	B8	1/16B8-OR-###"	Factory		

Orifice Diameters*			
Orifice Diameter	Orifice Diameter	Orifice Diameter	Orifice Diameter
.005"	.020"	.035"	.050"
.006"	.021"	.036"	.051"
.007"	.022"	.037"	.052"
.008"	.023"	.038"	.053"
.009"	.024"	.039"	.054"
.010"	.025"	.040"	.055"
.011"	.026"	.041"	.056"
.012"	.027"	.042"	.057"
.013"	.028"	.043"	.058"
.014"	.029"	.044"	.059"
.015"	.030"	.045"	.060"
.016"	.031"	.046"	.061"
.017"	.032"	.047"	.062"
.018"	.033"	.048"	.063"
.019"	.034"	.049"	.064"

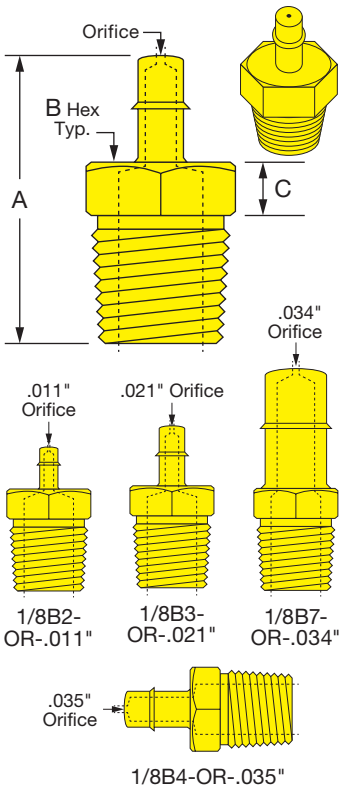
Material options on next page!

***Orifice diameters available in increasing increments of .001"!**

Part Numbers for 1/16 Thread to Tube Fittings with Orifices:

Thread Size → **1/16** (Fittings Series) **B#** - **OR** (Orifice Indicator) - **.###"** ← Orifice Diameter

1/8 NPT Male Thread to Tube Fittings with Orifices — 804



Tube ID	Orifice Part Numbers: Fitting #	Orifice Part Numbers: Sample Part Numbers	Dimensions (Reference): A Ref.	B Typ.	C Ref.
1/16	B1	1/8B1-OR-###"	3/4	7/16	5/32
5/64 / 2mm	B2	1/8B2-OR-###"	3/4	7/16	5/32
3/32	B2 1/2	1/8B2 1/2-OR-###"	3/4	7/16	5/32
1/8	B3	1/8B3-OR-###"	27/32	7/16	5/32
5/32 / 4mm	B3 1/2	1/8B3 1/2-OR-###"	27/32	7/16	5/32
.170	B4	1/8B4-OR-###"	27/32	7/16	5/32
3/16	B5	1/8B5-OR-###"	31/32	7/16	7/32
7/32	B5 1/2	1/8B5 1/2-OR-###"	31/32	7/16	7/32
6mm	B5 3/4	1/8B5 3/4-OR-###"	1 1/32	7/16	5/32
1/4	B6	1/8B6-OR-###"	1 1/32	7/16	5/32
5/16 / 8mm	B7	1/8B7-OR-###"	1 7/16	7/16	5/32
3/8	B8	1/8B8-OR-###"	1 1/16	7/16	5/32

Orifice Diameters*			
Orifice Diameter	Orifice Diameter	Orifice Diameter	Orifice Diameter
.005"	.020"	.035"	.050"
.006"	.021"	.036"	.051"
.007"	.022"	.037"	.052"
.008"	.023"	.038"	.053"
.009"	.024"	.039"	.054"
.010"	.025"	.040"	.055"
.011"	.026"	.041"	.056"
.012"	.027"	.042"	.057"
.013"	.028"	.043"	.058"
.014"	.029"	.044"	.059"
.015"	.030"	.045"	.060"
.016"	.031"	.046"	.061"
.017"	.032"	.047"	.062"
.018"	.033"	.048"	.063"
.019"	.034"	.049"	.064"

Material options on next page!

Part Numbers for 1/8 NPT Male Thread to Tube Fittings with Orifices:

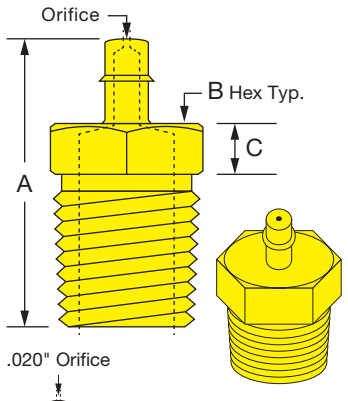
Thread Size → **1/8** (Fittings Series) **B#** - **OR** (Orifice Indicator) - **.###"** ← Orifice Diameter

G2

805 — 1/4 NPT Male Thread to Tube Fittings with Orifices

Tube ID	Orifice Part Numbers: Fitting #	Orifice Part Numbers: Sample Part Numbers	Dimensions (Reference): A Ref.	B Typ.	C Ref.
1/16	B1	1/4B1-OR-###"	31/32	9/16	3/16
5/64 / 2mm	B2	1/4B2-OR-###"	31/32	9/16	3/16
3/32	B2 1/2	1/4B2 1/2-OR-###"	31/32	9/16	3/16
1/8	B3	1/4B3-OR-###"	1 1/16	9/16	3/16
5/32 / 4mm	B3 1/2	1/4B3 1/2-OR-###"	1 1/16	9/16	3/16
.170	B4	1/4B4-OR-###"	1 3/32	9/16	3/16
3/16	B5	1/4B5-OR-###"	1 1/8	9/16	3/16
7/32	B5 1/2	1/4B5 1/2-OR-###"	1 1/8	9/16	3/16
6mm	B5 3/4	1/4B5 3/4-OR-###"	1 1/4	9/16	3/16
1/4	B6	1/4B6-OR-###"	1 1/4	9/16	3/16
5/16 / 8mm	B7	1/4B7-OR-###"	1 3/8	9/16	3/16
3/8	B8	1/4B8-OR-###"	1 9/32	9/16	3/16

Orifice Diameters*			
Orifice Diameter	Orifice Diameter	Orifice Diameter	Orifice Diameter
.005"	.020"	.035"	.050"
.006"	.021"	.036"	.051"
.007"	.022"	.037"	.052"
.008"	.023"	.038"	.053"
.009"	.024"	.039"	.054"
.010"	.025"	.040"	.055"
.011"	.026"	.041"	.056"
.012"	.027"	.042"	.057"
.013"	.028"	.043"	.058"
.014"	.029"	.044"	.059"
.015"	.030"	.045"	.060"
.016"	.031"	.046"	.061"
.017"	.032"	.047"	.062"
.018"	.033"	.048"	.063"
.019"	.034"	.049"	.064"



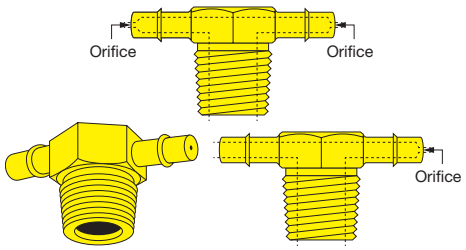
Part Numbers for 1/4 NPT Male Thread to Tube Fittings with Orifices:

Thread Size → 1/4 | Fittings Series → B# | - | Orifice Indicator → OR | - | Orifice Diameter → .###"

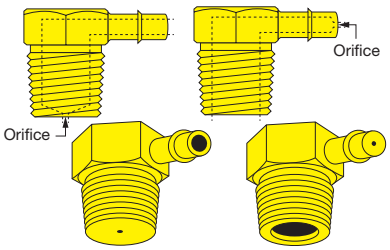
Unless otherwise specified, parts will be Brass. To order other materials, please add the following codes to the part number:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -AL = Aluminum 6061-T6 -NP = Electroless Nickel Plate

Other NPT Male Thread to Tube Fittings with Orifice Options Available

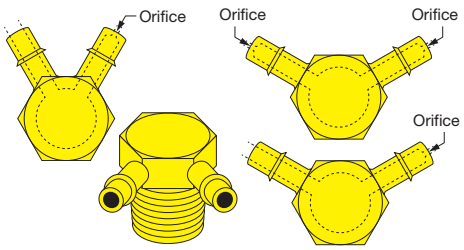
Tee Orifices



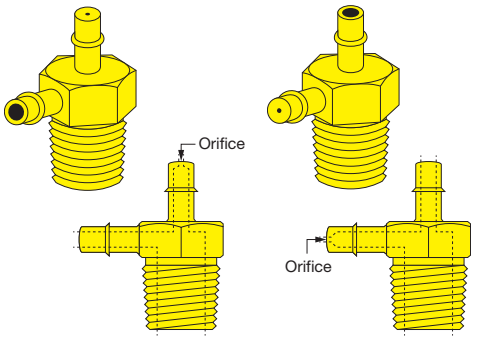
Elbow Orifices



V-Tee Orifices



L-Tee Orifices



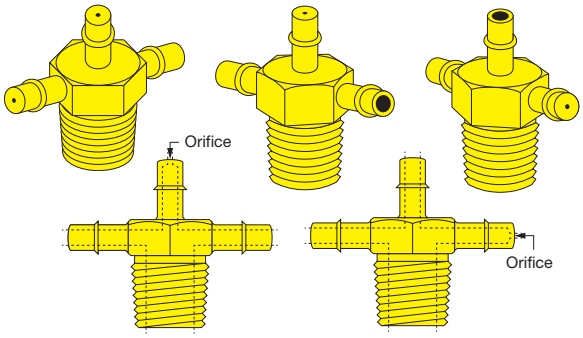
Reducing options are also available!

NPT thread sizes available: 1/16, 1/8, 1/4, 3/8, 1/2, 3/4, 1"

Metric Thread options also available!

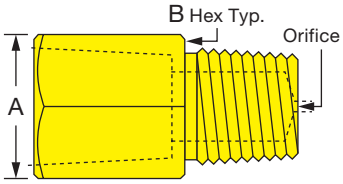
Lead times & minimum quantities apply! Consult factory for details!

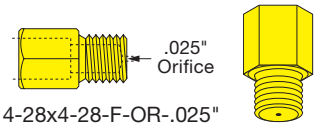
Tee x 3 Orifices



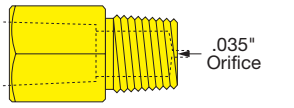
G2

Male to Female Thread Adapter with Orifices 806

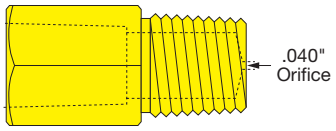




4-28x4-28-F-OR-.025"

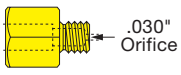


1/8x1/8-F-OR-.035"

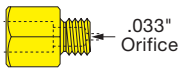


1/4x1/4-F-OR-.040"

Thread Size	Orifice Part Numbers — Sample Part Numbers	Dimensions (Reference) A Ref.	Dimensions (Reference) B Typ.
8-32	8-32x8-32-F-OR-.###"	Consult Factory	Consult Factory
10-32	10-32x10-32-F-OR-.###"		
¼-28	4-28x4-28-F-OR-.###"		
1/16 NPT	1/16x1/16-F-OR-.###"		
⅛ NPT	1/8x1/8-F-OR-.###"		
¼ NPT	1/4x1/4-F-OR-.###"		
⅜ NPT	3/8x3/8-F-OR-.###"		
½ NPT	1/2x1/2-F-OR-.###"		



8-32x8-32-F-OR-.030"



10-32x10-32-F-OR-.033"

Orifice Diameters*			
Orifice Diameter	Orifice Diameter	Orifice Diameter	Orifice Diameter
.005"	.020"	.035"	.050"
.006"	.021"	.036"	.051"
.007"	.022"	.037"	.052"
.008"	.023"	.038"	.053"
.009"	.024"	.039"	.054"
.010"	.025"	.040"	.055"
.011"	.026"	.041"	.056"
.012"	.027"	.042"	.057"
.013"	.028"	.043"	.058"
.014"	.029"	.044"	.059"
.015"	.030"	.045"	.060"
.016"	.031"	.046"	.061"
.017"	.032"	.047"	.062"
.018"	.033"	.048"	.063"
.019"	.034"	.049"	.064"

Material options are listed below!

Metric threads & other thread sizes available! Consult factory!

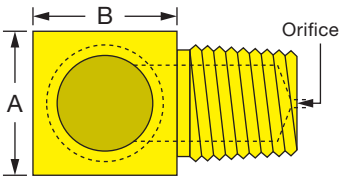
***Orifice diameters are available in increasing increments of .001"!**

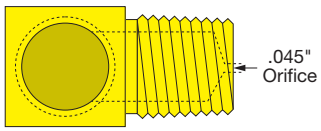
Part Numbers for Male to Female Thread Adapters with Orifices:

Male Thread → ## x ###-F - OR - .###" ← Orifice Diameter

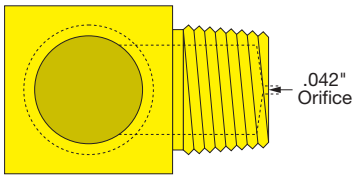
Female Thread ↑ ; Orifice Indicator ↑

Male to Female Thread 90° L-Adapter with Orifices 807



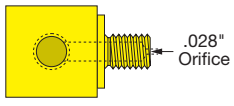


1/4x1/4-FL-OR-.045"

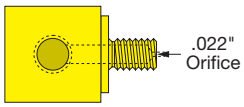


3/8x3/8-FL-OR-.042"

Thread Size	Orifice Part Numbers — Sample Part Numbers	Dimensions (Reference) A Ref.	Dimensions (Reference) B Typ.
8-32	8-32x8-32-FL-OR-.###"	Consult Factory	Consult Factory
10-32	10-32x10-32-FL-OR-.###"		
¼-28	4-28x4-28-FL-OR-.###"		
1/16 NPT	1/16x1/16-FL-OR-.###"		
⅛ NPT	1/8x1/8-FL-OR-.###"		
¼ NPT	1/4x1/4-FL-OR-.###"		
⅜ NPT	3/8x3/8-FL-OR-.###"		
½ NPT	1/2x1/2-FL-OR-.###"		



10-32x10-32-FL-OR-.028"



8-32x8-32-FL-OR-.022"

Orifice Diameters*			
Orifice Diameter	Orifice Diameter	Orifice Diameter	Orifice Diameter
.005"	.020"	.035"	.050"
.006"	.021"	.036"	.051"
.007"	.022"	.037"	.052"
.008"	.023"	.038"	.053"
.009"	.024"	.039"	.054"
.010"	.025"	.040"	.055"
.011"	.026"	.041"	.056"
.012"	.027"	.042"	.057"
.013"	.028"	.043"	.058"
.014"	.029"	.044"	.059"
.015"	.030"	.045"	.060"
.016"	.031"	.046"	.061"
.017"	.032"	.047"	.062"
.018"	.033"	.048"	.063"
.019"	.034"	.049"	.064"

Reducing adapters with orifices also available!

Unless otherwise specified, parts will be Brass! To order other materials, add the following codes:

- -SS = Stainless Steel 303
- -316SS = Stainless Steel 316
- -AL = Aluminum 6061-T6
- -NP = Electroless Nickel Plate

Part Numbers for Male to Female Thread 90° Elbow Adapters with Orifices:

Male Thread → ## x ###-FL - OR - .###" ← Orifice Diameter

Female Elbow Thread ↑ ; Orifice Indicator ↑

G2

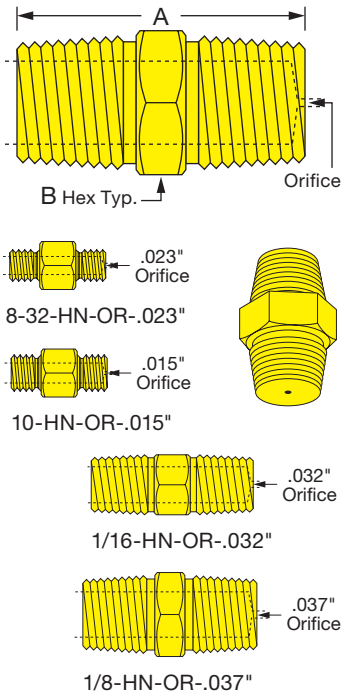
808 Standard Hex Nipples with Orifices

Thread Size	Orifice Part Numbers	Dimensions (Reference)	
	Sample Part Numbers	A Ref.	B Typ.
8-32	8-32HN-OR-###"	Consult Factory	Consult Factory
10-32	10HN-OR-###"		
¼-28	4-20HN-OR-###"		
1/16 NPT	1/16HN-OR-###"		
⅛ NPT	1/8HN-OR-###"		
¼ NPT	1/4HN-OR-###"		
⅜ NPT	3/8HN-OR-###"		
½ NPT	1/2HN-OR-###"		

Orifice Diameters*			
Orifice Diameter	Orifice Diameter	Orifice Diameter	Orifice Diameter
.005"	.020"	.035"	.050"
.006"	.021"	.036"	.051"
.007"	.022"	.037"	.052"
.008"	.023"	.038"	.053"
.009"	.024"	.039"	.054"
.010"	.025"	.040"	.055"
.011"	.026"	.041"	.056"
.012"	.027"	.042"	.057"
.013"	.028"	.043"	.058"
.014"	.029"	.044"	.059"
.015"	.030"	.045"	.060"
.016"	.031"	.046"	.061"
.017"	.032"	.047"	.062"
.018"	.033"	.048"	.063"
.019"	.034"	.049"	.064"

***Orifice diameters available in increasing increments of .001"!**

Material options listed on previous page!



Part Numbers for Hex Nipples with Orifices:

Thread Size → ### - HN - OR - .###" ← Orifice Diameter

Fittings Number ↑ HN

Orifice Indicator ↑ OR

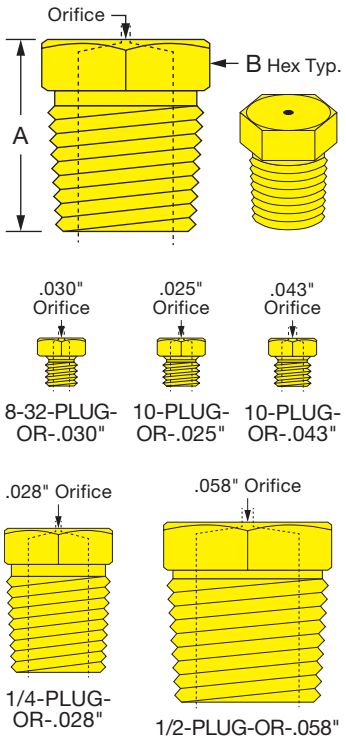
O-Ring & Rubber Gasket options available for 8-32, 10-32, and ¼-28 Threads! Consult factory for details!

809 Plugs with Orifices

Thread & Seal Type	Orifice Part Numbers	Dimensions (Reference)	
	Sample Part Numbers	A Ref.	B Typ.
8-32 *Fibre Gasket*	8-32-PLUG-OR-###"	¼	¼
10-32 *Fibre Gasket*	10-PLUG-OR###"	¼	¼
10-32 *O-Ring*	10-O-PLUG-OR-###"	9/32	5/16
10-32 *Rubber Gasket*	10-O-¼-PLUG-OR-###"	9/32	¼
¼-28 *Fibre Gasket*	4-28-PLUG-OR-###"	13/32	5/16
¼-28 *O-Ring*	4-28-PLUG-O-OR-###"	9/32	⅜
1/16 NPT	1/16-PLUG-OR-###"	17/32	5/16
⅛ NPT	1/8-PLUG-OR-###"	9/16	7/16
¼ NPT	1/4-PLUG-OR-###"	¾	9/16
⅜ NPT	3/8-PLUG-OR-###"	25/32	11/16
½ NPT	1/2-PLUG-OR-###"	⅞	¾

Orifice Diameters*			
Orifice Diameter	Orifice Diameter	Orifice Diameter	Orifice Diameter
.005"	.020"	.035"	.050"
.006"	.021"	.036"	.051"
.007"	.022"	.037"	.052"
.008"	.023"	.038"	.053"
.009"	.024"	.039"	.054"
.010"	.025"	.040"	.055"
.011"	.026"	.041"	.056"
.012"	.027"	.042"	.057"
.013"	.028"	.043"	.058"
.014"	.029"	.044"	.059"
.015"	.030"	.045"	.060"
.016"	.031"	.046"	.061"
.017"	.032"	.047"	.062"
.018"	.033"	.048"	.063"
.019"	.034"	.049"	.064"

Material options listed on previous page!



Part Numbers for Plugs with Orifices:

Thread Size → ## - PLUG - OR - .###" ← Orifice Diameter

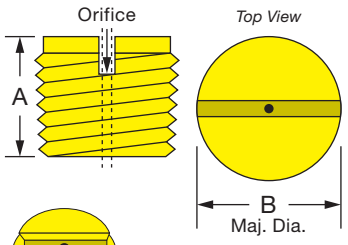
Fittings Series ↑ PLUG

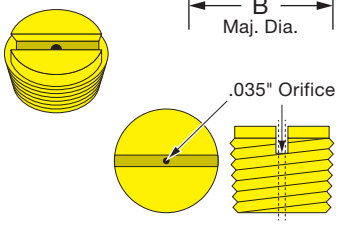
Orifice Indicator ↑ OR

O-Ring & Rubber Gasket options listed on page 65!

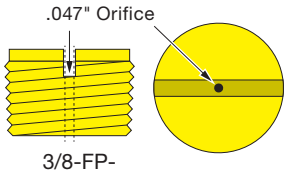
G2

Slotted Flush Plugs with Orifices 810

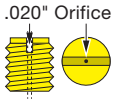




1/4-FP-SLOT-OR-.035"



3/8-FP-SLOT-OR-.047"



4-20-FP-SLOT-OR-.020"

Thread Size	Orifice Part Numbers: Sample Part Numbers	Dimensions (Reference): A Ref.	B Typ.
¼-20	4-20-FP-SLOT-OR-.###"	Consult Factory	.250
¼-28	4-28-FP-SLOT-OR-.###"		.250
1/16 NPT	1/16-FP-SLOT-OR-.###"		.312
⅛ NPT	1/8-FP-SLOT-OR-.###"	.300	.405
¼ NPT	1/4-FP-SLOT-OR-.###"	.450	.540
⅜ NPT	3/8-FP-SLOT-OR-.###"	.450	.675
½ NPT	1/2-FP-SLOT-OR-.###"	.600	.840
¾ NPT	3/4-FP-SLOT-OR-.###"	.620	1.050

***Orifice diameters are available in increasing increments of .001"!**

Material options listed on next page!

Note: *Images are not intended for dimensional measurements.*

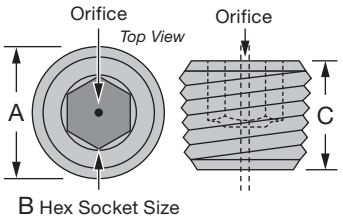
Orifice Diameters*			
Orifice Diameter	Orifice Diameter	Orifice Diameter	Orifice Diameter
.005"	.020"	.035"	.050"
.006"	.021"	.036"	.051"
.007"	.022"	.037"	.052"
.008"	.023"	.038"	.053"
.009"	.024"	.039"	.054"
.010"	.025"	.040"	.055"
.011"	.026"	.041"	.056"
.012"	.027"	.042"	.057"
.013"	.028"	.043"	.058"
.014"	.029"	.044"	.059"
.015"	.030"	.045"	.060"
.016"	.031"	.046"	.061"
.017"	.032"	.047"	.062"
.018"	.033"	.048"	.063"
.019"	.034"	.049"	.064"

Part Numbers for Slotted Flush Plugs with Orifices:

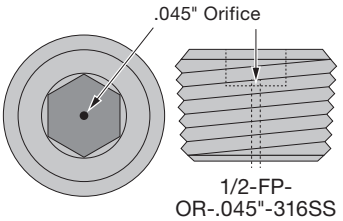
Thread Size → ### - FP - SLOT - OR - .###" ← Orifice Diameter

FP: Fitting Series; SLOT: Slot Indicator; OR: Orifice Indicator

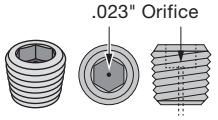
Stainless Steel Dry Seal Hex Socket Pressure Plugs/Flush Plugs with Orifices 811



See page 332 for dimensions!



1/2-FP-OR-.045"-316SS



1/16-FP-OR-.023"-316SS

NPT Thread Size	Orifice Part Numbers: Sample Part Numbers
1/16	1/16-FP-316SS-OR-.###"
⅛	1/8-FP-316SS-OR-.###"
¼	1/4-FP-316SS-OR-.###"
⅜	3/8-FP-316SS-OR-.###"
½	1/2-FP-316SS-OR-.###"
¾	3/4-FP-316SS-OR-.###"
1	1-FP-316SS-OR-.###"
1¼	1¼-FP-316SS-OR-.###"
1½	1½-FP-316SS-OR-.###"
2	2-FP-316SS-OR-.###"

***Orifice diameters are available in increasing increments of .001".**

Orifice Diameters*			
Orifice Diameter	Orifice Diameter	Orifice Diameter	Orifice Diameter
.005"	.020"	.035"	.050"
.006"	.021"	.036"	.051"
.007"	.022"	.037"	.052"
.008"	.023"	.038"	.053"
.009"	.024"	.039"	.054"
.010"	.025"	.040"	.055"
.011"	.026"	.041"	.056"
.012"	.027"	.042"	.057"
.013"	.028"	.043"	.058"
.014"	.029"	.044"	.059"
.015"	.030"	.045"	.060"
.016"	.031"	.046"	.061"
.017"	.032"	.047"	.062"
.018"	.033"	.048"	.063"
.019"	.034"	.049"	.064"

Part Numbers for Dry Seal Hex Socket Pressure Plugs/Flush Plug with Orifices:

Thread Size → ### - FP - 316SS - OR - .###" ← Material Indicator

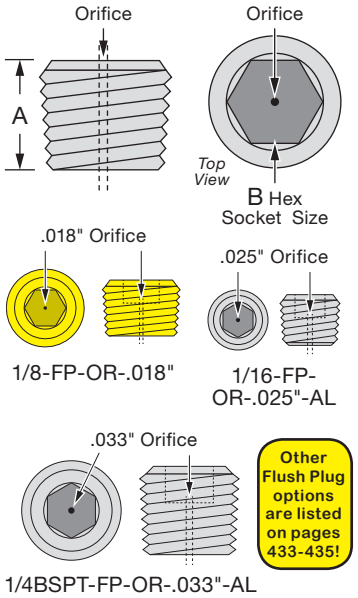
FP: Fitting Series; 316SS: Orifice Diameter; OR: Orifice Indicator

G2

812 Counter-Sunk Plugs (Flush Plugs) with Orifices

Thread Size	Orifice Part Numbers: Sample Part Numbers	Dimensions (Reference): A Ref.	B Typ.
1/16 NPT	1/16-FP-OR-.###"	Consult Factory	5/32
1/8 NPT	1/8-FP-OR-.###"		3/16
1/4 NPT	1/4-FP-OR-.###"		1/4
3/8 NPT	3/8-FP-OR-.###"		5/16
1/2 NPT	1/2-FP-OR-.###"		3/8
3/4 NPT	3/4-FP-OR-.###"		9/16
1 NPT	1-FP-OR-.###"		5/8
1 1/4 NPT	1 1/4-FP-OR-.###"		3/4
1/8 BSPT	1/8BSPT-FP-OR-.###"	.290	3/16
1/4 BSPT	1/4BSPT-FP-OR-.###"	.460	1/4
3/8 BSPT	3/8BSPT-FP-OR-.###"	.460	5/16
1/2 BSPT	1/2BSPT-FP-OR-.###"	.610	3/8

Orifice Diameters*			
Orifice Diameter	Orifice Diameter	Orifice Diameter	Orifice Diameter
.005"	.020"	.035"	.050"
.006"	.021"	.036"	.051"
.007"	.022"	.037"	.052"
.008"	.023"	.038"	.053"
.009"	.024"	.039"	.054"
.010"	.025"	.040"	.055"
.011"	.026"	.041"	.056"
.012"	.027"	.042"	.057"
.013"	.028"	.043"	.058"
.014"	.029"	.044"	.059"
.015"	.030"	.045"	.060"
.016"	.031"	.046"	.061"
.017"	.032"	.047"	.062"
.018"	.033"	.048"	.063"
.019"	.034"	.049"	.064"



Other Flush Plug options are listed on pages 433-435!

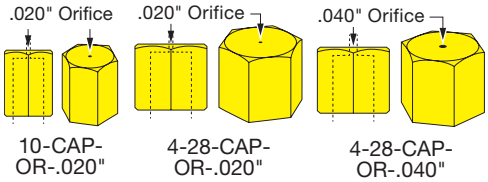
*Orifice diameters are available in increasing increments of .001"!

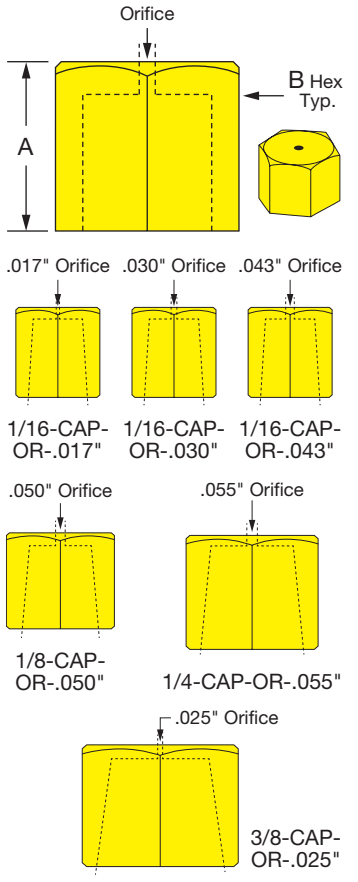
Material options vary! Lead times & minimum quantities apply! Consult factory for details, part numbers, and dimensions!

813 Female Thread Caps with Orifices

Thread Size	Orifice Part Numbers: Sample Part Numbers	Dimensions (Reference): A Ref.	B Typ.
10-32	10-CAP-OR-.###"	11/32	1/4
10-32 Short	10-CAP-SH-OR-.###"	9/32	1/4
1/4-28	4-28-CAP-OR-.###"	11/32	3/8
1/16 NPT	1/16-CAP-OR-.###"	15/32	7/16
1/8 NPT	1/8-CAP-OR-.###"	1/2	9/16
1/4 NPT	1/4-CAP-OR-.###"	19/32	11/16
3/8 NPT	3/8-CAP-OR-.###"	.730	13/16
1/2 NPT	1/2-CAP-OR-.###"	11/16	15/16

Orifice Diameters*			
Orifice Diameter	Orifice Diameter	Orifice Diameter	Orifice Diameter
.005"	.020"	.035"	.050"
.006"	.021"	.036"	.051"
.007"	.022"	.037"	.052"
.008"	.023"	.038"	.053"
.009"	.024"	.039"	.054"
.010"	.025"	.040"	.055"
.011"	.026"	.041"	.056"
.012"	.027"	.042"	.057"
.013"	.028"	.043"	.058"
.014"	.029"	.044"	.059"
.015"	.030"	.045"	.060"
.016"	.031"	.046"	.061"
.017"	.032"	.047"	.062"
.018"	.033"	.048"	.063"
.019"	.034"	.049"	.064"





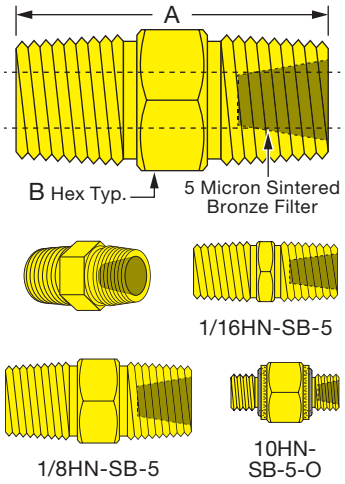
Part Numbers for Female Caps with Orifices:

Thread Size → ## - CAP - OR - .###" ← Orifice Diameter

CAP: Fittings Series; OR: Orifice Indicator

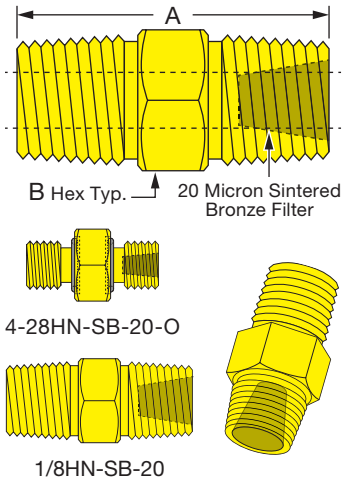
Unless otherwise specified, parts will be Brass. To order other materials, please add the following codes to the part number:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -AL = Aluminum 6061-T6 -NP = Electroless Nickel Plate

Hex Nipples with 5 Micron Sintered Bronze Filter Element 814



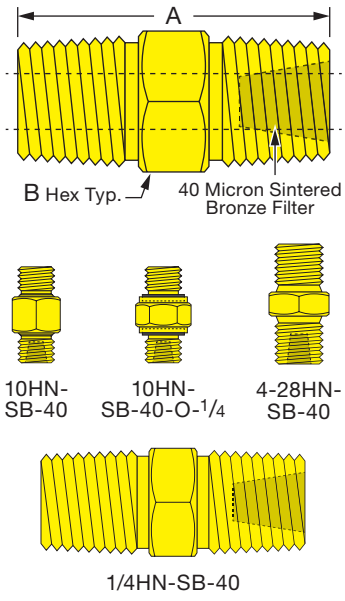
Thread Size	Type of Seal	Part Numbers					Dimensions (Reference)	
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.
10-32	Fibre Gasket	10HN-SB-5	10HN-SB-5-SS	10HN-SB-5-316SS	10HN-SB-5-AL	10HN-SB-5-NP	1/2	1/4
10-32	O-Ring	10HN-SB-5-O	10HN-SB-5-O-SS	10HN-SB-5-O-316SS	10HN-SB-5-O-AL	10HN-SB-5-O-NP	9/16	5/16
10-32	Rubber Gasket	10HN-SB-5-O-1/4	10HN-SB-5-O-1/4-SS	10HN-SB-5-O-1/4-316SS	10HN-SB-O-1/4-5-AL	10HN-SB-5-O-1/4-NP	1/2	1/4
1/4-28	Fibre Gasket	4-28HN-SB-5	4-28HN-SB-5-SS	4-28HN-SB-5-316SS	4-28HN-SB-5-AL	4-28HN-SB-5-NP	5/8	5/16
1/4-28	O-Ring	4-28HN-SB-5-O	4-28HN-SB-5-O-SS	4-28HN-SB-5-O-316SS	4-28HN-SB-5-O-AL	4-28HN-SB-5-O-NP	11/16	3/8
1/16 NPT	N/A	1/16HN-SB-5	1/16HN-SB-5-SS	1/16HN-SB-5-316SS	1/16HN-SB-5-AL	1/16HN-SB-5-NP	3/4	5/16
1/8 NPT	N/A	1/8HN-SB-5	1/8HN-SB-5-SS	1/8HN-SB-5-316SS	1/8HN-SB-5-AL	1/8HN-SB-5-NP	31/32	7/16
1/4 NPT	N/A	1/4HN-SB-5	1/4HN-SB-5-SS	1/4HN-SB-5-316SS	1/4HN-SB-5-AL	1/4HN-SB-5-NP	1 3/8	9/16

Hex Nipples with 20 Micron Sintered Bronze Filter Element 815



Thread Size	Type of Seal	Part Numbers					Dimensions (Reference)	
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.
10-32	Fibre Gasket	10HN-SB-20	10HN-SB-20-SS	10HN-SB-20-316SS	10HN-SB-20-AL	10HN-SB-20-NP	1/2	1/4
10-32	O-Ring	10HN-SB-20-O	10HN-SB-20-O-SS	10HN-SB-20-O-316SS	10HN-SB-20-O-AL	10HN-SB-20-O-NP	9/16	5/16
10-32	Rubber Gasket	10HN-SB-20-O-1/4	10HN-SB-20-O-1/4-SS	10HN-SB-20-O-1/4-316SS	10HN-SB-O-1/4-20-AL	10HN-SB-20-O-1/4-NP	1/2	1/4
1/4-28	Fibre Gasket	4-28HN-SB-20	4-28HN-SB-20-SS	4-28HN-SB-20-316SS	4-28HN-SB-20-AL	4-28HN-SB-20-NP	5/8	5/16
1/4-28	O-Ring	4-28HN-SB-20-O	4-28HN-SB-20-O-SS	4-28HN-SB-20-O-316SS	4-28HN-SB-20-O-AL	4-28HN-SB-20-O-NP	11/16	3/8
1/16 NPT	N/A	1/16HN-SB-20	1/16HN-SB-20-SS	1/16HN-SB-20-316SS	1/16HN-SB-20-AL	1/16HN-SB-20-NP	3/4	5/16
1/8 NPT	N/A	1/8HN-SB-20	1/8HN-SB-20-SS	1/8HN-SB-20-316SS	1/8HN-SB-20-AL	1/8HN-SB-20-NP	31/32	7/16
1/4 NPT	N/A	1/4HN-SB-20	1/4HN-SB-20-SS	1/4HN-SB-20-316SS	1/4HN-SB-20-AL	1/4HN-SB-20-NP	1 3/8	9/16

Hex Nipples with 40 Micron Sintered Bronze Filter Element 816



Thread Size	Type of Seal	Part Numbers					Dimensions (Reference)	
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.
10-32	Fibre Gasket	10HN-SB-40	10HN-SB-40-SS	10HN-SB-40-316SS	10HN-SB-40-AL	10HN-SB-40-NP	1/2	1/4
10-32	O-Ring	10HN-SB-40-O	10HN-SB-40-O-SS	10HN-SB-40-O-316SS	10HN-SB-40-O-AL	10HN-SB-40-O-NP	9/16	5/16
10-32	Rubber Gasket	10HN-SB-40-O-1/4	10HN-SB-40-O-1/4-SS	10HN-SB-40-O-1/4-316SS	10HN-SB-O-1/4-40-AL	10HN-SB-40-O-1/4-NP	1/2	1/4
1/4-28	Fibre Gasket	4-28HN-SB-40	4-28HN-SB-40-SS	4-28HN-SB-40-316SS	4-28HN-SB-40-AL	4-28HN-SB-40-NP	5/8	5/16
1/4-28	O-Ring	4-28HN-SB-40-O	4-28HN-SB-40-O-SS	4-28HN-SB-40-O-316SS	4-28HN-SB-40-O-AL	4-28HN-SB-40-O-NP	11/16	3/8
1/16 NPT	N/A	1/16HN-SB-40	1/16HN-SB-40-SS	1/16HN-SB-40-316SS	1/16HN-SB-40-AL	1/16HN-SB-40-NP	3/4	5/16
1/8 NPT	N/A	1/8HN-SB-40	1/8HN-SB-40-SS	1/8HN-SB-40-316SS	1/8HN-SB-40-AL	1/8HN-SB-40-NP	31/32	7/16
1/4 NPT	N/A	1/4HN-SB-40	1/4HN-SB-40-SS	1/4HN-SB-40-316SS	1/4HN-SB-40-AL	1/4HN-SB-40-NP	1 3/8	9/16

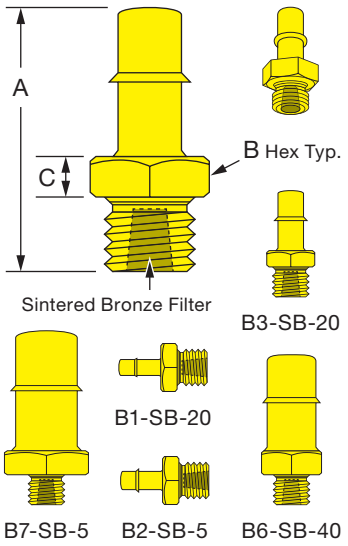
O-Ring and Gasket material options are listed on page 65!

Metric, BSPT, and BSPP thread options available! Lead times and minimum quantities apply! Consult factory for details!

817 — 10-32 Male Thread to Tube Fittings with Sintered Bronze Filter Element

Larger Branch		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/16	1	29/64	1/4	.085
5/64 / 2mm	2	29/64	1/4	.085
3/32	2 1/2	29/64	1/4	.085
1/8	3	35/64	1/4	.085
5/32 / 4mm	3 1/2	35/64	1/4	.085
.170	4	37/64	1/4	.085

Larger Branch		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
3/16	5	39/64	1/4	.085
7/32	5 1/2	39/64	5/16	.085
6mm	5 3/4	5/8	5/16	.085
1/4	6	5/8	5/16	1/8
5/16 / 8mm	7	29/32	3/8	1/8
3/8	8	13/16	7/16	1/8



Part Numbers for 10-32 Thread to Tube Fittings with Sintered Bronze Filters:

Fitting Series → **B** **#** - **SB** - **##** ← Filter Size*

← Branch Number

SB ← Sintered Bronze Filter Indicator

**Sintered Bronze Filter sizes listed below.*

Unless otherwise specified, parts will be Brass.
To order other materials, please add the following codes to the part number:
-SS = Stainless Steel 303 • **-316SS** = Stainless Steel 316 • **-NP** = Electroless Nickel Plate

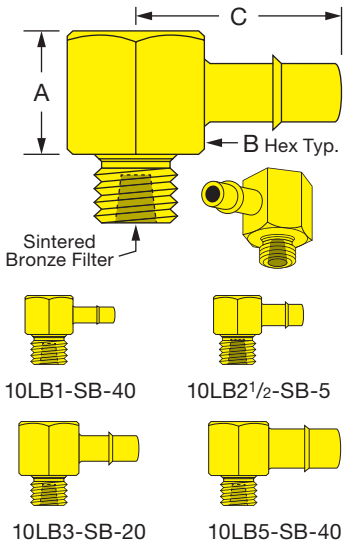
10-32 fittings are supplied with fibre gaskets. See page 65 for other options!

818 — 10-32 Male Thread Elbows with Sintered Bronze Filter Element

Larger Branch		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/16	1	11/16	1/4	13/64
5/64 / 2mm	2	11/16	1/4	13/64
3/32	2 1/2	11/16	1/4	13/64
1/8	3	15/16	5/16	9/32

Larger Branch		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
5/32 / 4mm	3 1/2	15/16	3/8	9/32
.170	4	1	3/8	9/32
3/16	5	1 1/8	7/16	9/32

Note: *Images are for visual representation only. Dimensions may vary at the time of manufacturing. Consult factory for details!*



Part Numbers for 10-32 Thread Elbows with Sintered Bronze Filters:

Thread Size → **10** **LB** **#** - **SB** - **##** ← Filter Size

LB ← Fitting Series

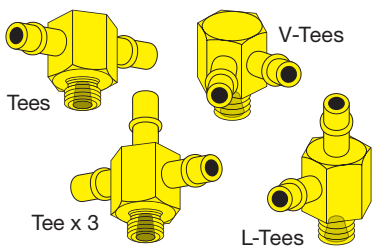
← Branch Number

SB ← Sintered Bronze Filter Indicator

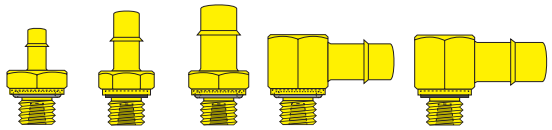
Sintered Bronze Filter sizes: 5 Micron • 20 Micron • 40 Micron

Unless otherwise specified, parts will be Brass. To order other materials, please add the following codes to the part number:
-SS = Stainless Steel 303 **-316SS** = Stainless Steel 316 **-AL** = Aluminum **-NP** = Electroless Nickel Plate

Other 10-32 fittings available!

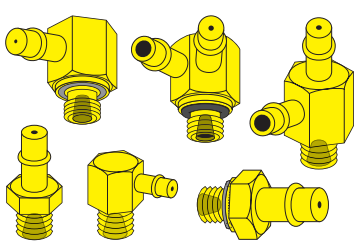


O-Ring & Rubber Gasket options available!



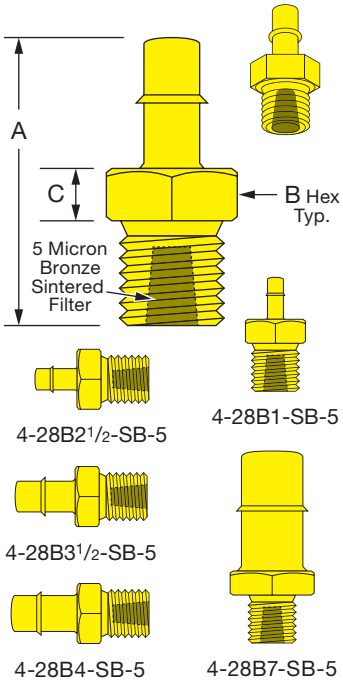
Lead times and minimum quantities apply! Consult factory for details!

Orifice options available!



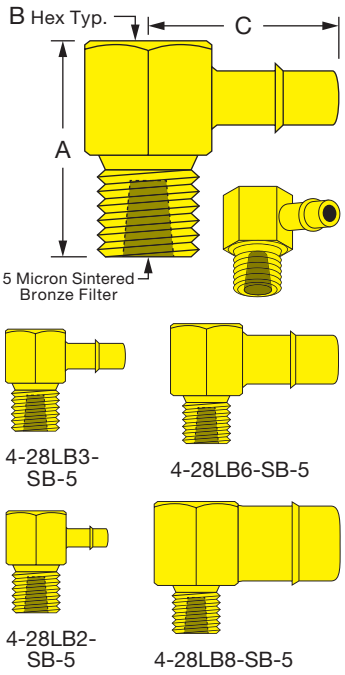
H2

1/4-28 Thread to Tube with 5 Micron Sintered Bronze Filter Element 819



Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	4-28B1-SB-5	4-28B1-SB-5-SS	4-28B1-SB-5-316SS	4-28B1-SB-5-AL	4-28B1-SB-5-NP	19/32	5/16	1/8
5/64 / 2mm	4-28B2-SB-5	4-28B2-SB-5-SS	4-28B2-SB-5-316SS	4-28B2-SB-5-AL	4-28B2-SB-5-NP	19/32	5/16	1/8
3/32	4-28B2 1/2-SB-5	4-28B2 1/2-SB-5-SS	4-28B2 1/2-SB-5-316SS	4-28B2 1/2-SB-5-AL	4-28B2 1/2-SB-5-NP	19/32	5/16	1/8
1/8	4-28B3-SB-5	4-28B3-SB-5-SS	4-28B3-SB-5-316SS	4-28B3-SB-5-AL	4-28B3-SB-5-NP	11/16	5/16	1/8
5/32 / 4mm	4-28B3 1/2-SB-5	4-28B3 1/2-SB-5-SS	4-28B3 1/2-SB-5-316SS	4-28B3 1/2-SB-5-AL	4-28B3 1/2-SB-5-NP	11/16	5/16	1/8
.170	4-28B4-SB-5	4-28B4-SB-5-SS	4-28B4-SB-5-316SS	4-28B4-SB-5-AL	4-28B4-SB-5-NP	11/16	5/16	1/8
3/16	4-28B5-SB-5	4-28B5-SB-5-SS	4-28B5-SB-5-316SS	4-28B5-SB-5-AL	4-28B5-SB-5-NP	3/4	5/16	1/8
7/32	4-28B5 1/2-SB-5	4-28B5 1/2-SB-5-SS	4-28B5 1/2-SB-5-316SS	4-28B5 1/2-SB-5-AL	4-28B5 1/2-SB-5-NP	3/4	5/16	1/8
6mm	4-28B5 3/4-SB-5	4-28B5 3/4-SB-5-SS	4-28B5 3/4-SB-5-316SS	4-28B5 3/4-SB-5-AL	4-28B5 3/4-SB-5-NP	7/8	5/16	1/8
1/4	4-28B6-SB-5	4-28B6-SB-5-SS	4-28B6-SB-5-316SS	4-28B6-SB-5-AL	4-28B6-SB-5-NP	7/8	5/16	1/8
5/16 / 8mm	4-28B7-SB-5	4-28B7-SB-5-SS	4-28B7-SB-5-316SS	4-28B7-SB-5-AL	4-28B7-SB-5-NP	1.00	7/16	1/8
3/8	4-28B8-SB-5	4-28B8-SB-5-SS	4-28B8-SB-5-316SS	4-28B8-SB-5-AL	4-28B8-SB-5-NP	29/32	7/16	1/8

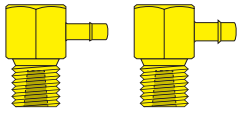
1/4-28 Thread Elbows with 5 Micron Sintered Bronze Filter Element 820



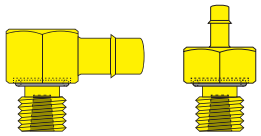
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	4-28LB1-SB-5	4-28LB1-SB-5-SS	4-28LB1-SB-5-316SS	4-28LB1-SB-5-NP	17/32	5/16	3/8
5/64 / 2mm	4-28LB2-SB-5	4-28LB2-SB-5-SS	4-28LB2-SB-5-316SS	4-28LB2-SB-5-NP	17/32	5/16	3/8
3/32	4-28LB2 1/2-SB-5	4-28LB2 1/2-SB-5-SS	4-28LB2 1/2-SB-5-316SS	4-28LB2 1/2-SB-5-NP	17/32	5/16	3/8
1/8	4-28LB3-SB-5	4-28LB3-SB-5-SS	4-28LB3-SB-5-316SS	4-28LB3-SB-5-NP	17/32	5/16	15/32
5/32 / 4mm	4-28LB3 1/2-SB-5	4-28LB3 1/2-SB-5-SS	4-28LB3 1/2-SB-5-316SS	4-28LB3 1/2-SB-5-NP	17/32	5/16	15/32
.170	4-28LB4-SB-5	4-28LB4-SB-5-SS	4-28LB4-SB-5-316SS	4-28LB4-SB-5-NP	17/32	5/16	1/2
3/16	4-28LB5-SB-5	4-28LB5-SB-5-SS	4-28LB5-SB-5-316SS	4-28LB5-SB-5-NP	17/32	5/16	17/32
7/32	4-28LB5 1/2-SB-5	4-28LB5 1/2-SB-5-SS	4-28LB5 1/2-SB-5-316SS	4-28LB5 1/2-SB-5-NP	17/32	5/16	17/32
6mm	4-28LB5 3/4-SB-5	4-28LB5 3/4-SB-5-SS	4-28LB5 3/4-SB-5-316SS	4-28LB5 3/4-SB-5-NP	5/8	3/8	11/16
1/4	4-28LB6-SB-5	4-28LB6-SB-5-SS	4-28LB6-SB-5-316SS	4-28LB6-SB-5-NP	5/8	3/8	11/16
5/16 / 8mm	4-28LB7-SB-5	4-28LB7-SB-5-SS	4-28LB7-SB-5-316SS	4-28LB7-SB-5-NP	11/16	7/16	15/16
3/8	4-28LB8-SB-5	4-28LB8-SB-5-SS	4-28LB8-SB-5-316SS	4-28LB8-SB-5-NP	11/16	7/16	27/32

H2

Also available: 20 Micron and 40 Micron Filters!



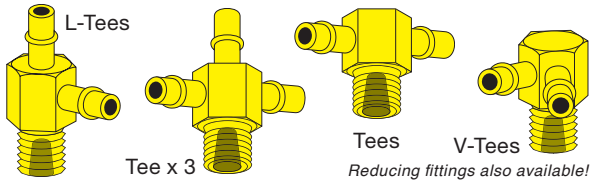
O-Ring options available!



Materials listed on pg. 65!

Lead times apply! Consult factory for details!

Other 1/4-28 fittings available with Sintered Bronze Filters!

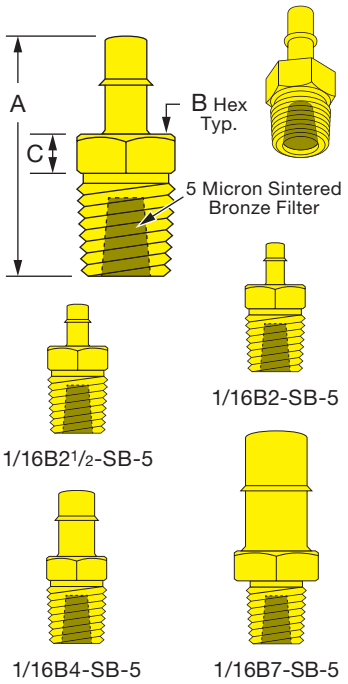


Reducing fittings also available!

Orifice options available! Consult factory for details!

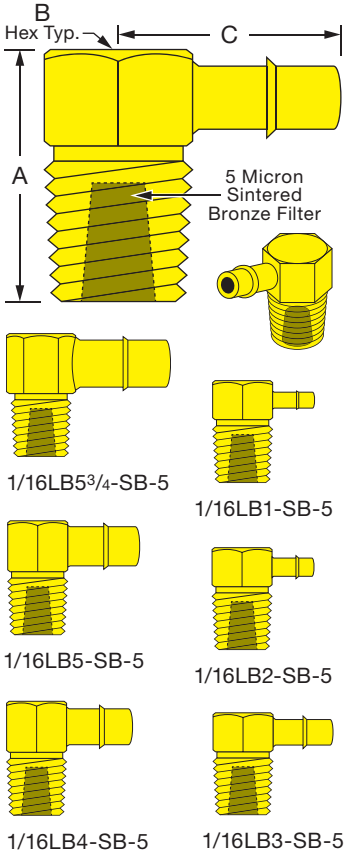
821 — 1/16 NPT Thread to Tube with 5 Micron Sintered Bronze Filter Element

Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	1/16B1-SB-5	1/16B1-SB-5-SS	1/16B1-SB-5-316SS	1/16B1-SB-5-AL	1/16B1-SB-5-NP	43/64	5/16	1/8
5/64 / 2mm	1/16B2-SB-5	1/16B2-SB-5-SS	1/16B2-SB-5-316SS	1/16B2-SB-5-AL	1/16B2-SB-5-NP	43/64	5/16	1/8
3/32	1/16B2 1/2-SB-5	1/16B2 1/2-SB-5-SS	1/16B2 1/2-SB-5-316SS	1/16B2 1/2-SB-5-AL	1/16B2 1/2-SB-5-NP	43/64	5/16	1/8
1/8	1/16B3-SB-5	1/16B3-SB-5-SS	1/16B3-SB-5-316SS	1/16B3-SB-5-AL	1/16B3-SB-5-NP	49/64	5/16	1/8
5/32 / 4mm	1/16B3 1/2-SB-5	1/16B3 1/2-SB-5-SS	1/16B3 1/2-SB-5-316SS	1/16B3 1/2-SB-5-AL	1/16B3 1/2-SB-5-NP	49/64	5/16	1/8
.170	1/16B4-SB-5	1/16B4-SB-5-SS	1/16B4-SB-5-316SS	1/16B4-SB-5-AL	1/16B4-SB-5-NP	49/64	5/16	1/8
3/16	1/16B5-SB-5	1/16B5-SB-5-SS	1/16B5-SB-5-316SS	1/16B5-SB-5-AL	1/16B5-SB-5-NP	53/64	5/16	1/8
7/32	1/16B5 1/2-SB-5	1/16B5 1/2-SB-5-SS	1/16B5 1/2-SB-5-316SS	1/16B5 1/2-SB-5-AL	1/16B5 1/2-SB-5-NP	53/64	5/16	1/8
6mm	1/16B5 3/4-SB-5	1/16B5 3/4-SB-5-SS	1/16B5 3/4-SB-5-316SS	1/16B5 3/4-SB-5-AL	1/16B5 3/4-SB-5-NP	61/64	5/16	1/8
1/4	1/16B6-SB-5	1/16B6-SB-5-SS	1/16B6-SB-5-316SS	1/16B6-SB-5-AL	1/16B6-SB-5-NP	61/64	5/16	1/8
5/16 / 8mm	1/16B7-SB-5	1/16B7-SB-5-SS	1/16B7-SB-5-316SS	1/16B7-SB-5-AL	1/16B7-SB-5-NP	17/64	7/16	5/32
3/8	1/16B8-SB-5	1/16B8-SB-5-SS	1/16B8-SB-5-316SS	1/16B8-SB-5-AL	1/16B8-SB-5-NP	1 1/32	1/2	5/32

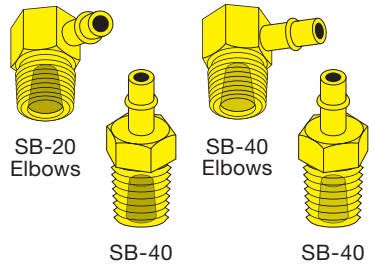


822 — 1/16 NPT Thread Elbows with 5 Micron Sintered Bronze Filter Element

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	1/16LB1-SB-5	1/16LB1-SB-5-SS	1/16LB1-SB-5-316SS	1/16LB1-SB-5-NP	17/32	5/16	3/8
5/64 / 2mm	1/16LB2-SB-5	1/16LB2-SB-5-SS	1/16LB2-SB-5-316SS	1/16LB2-SB-5-NP	17/32	5/16	3/8
3/32	1/16LB2 1/2-SB-5	1/16LB2 1/2-SB-5-SS	1/16LB2 1/2-SB-5-316SS	1/16LB2 1/2-SB-5-NP	17/32	5/16	3/8
1/8	1/16LB3-SB-5	1/16LB3-SB-5-SS	1/16LB3-SB-5-316SS	1/16LB3-SB-5-NP	17/32	5/16	15/32
5/32 / 4mm	1/16LB3 1/2-SB-5	1/16LB3 1/2-SB-5-SS	1/16LB3 1/2-SB-5-316SS	1/16LB3 1/2-SB-5-NP	17/32	5/16	15/32
.170	1/16LB4-SB-5	1/16LB4-SB-5-SS	1/16LB4-SB-5-316SS	1/16LB4-SB-5-NP	19/32	5/16	1/2
3/16	1/16LB5-SB-5	1/16LB5-SB-5-SS	1/16LB5-SB-5-316SS	1/16LB5-SB-5-NP	19/32	5/16	17/32
7/32	1/16LB5 1/2-SB-5	1/16LB5 1/2-SB-5-SS	1/16LB5 1/2-SB-5-316SS	1/16LB5 1/2-SB-5-NP	19/32	5/16	17/32
6mm	1/16LB5 3/4-SB-5	1/16LB5 3/4-SB-5-SS	1/16LB5 3/4-SB-5-316SS	1/16LB5 3/4-SB-5-NP	19/32	5/16	11/16
1/4	1/16LB6-SB-5	1/16LB6-SB-5-SS	1/16LB6-SB-5-316SS	1/16LB6-SB-5-NP	19/32	5/16	11/16

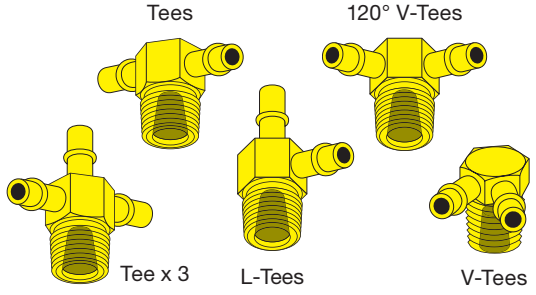


20 & 40 Micron Filters available!



Consult factory for details!

Other 1/16 NPT Sintered Bronze Filter options!

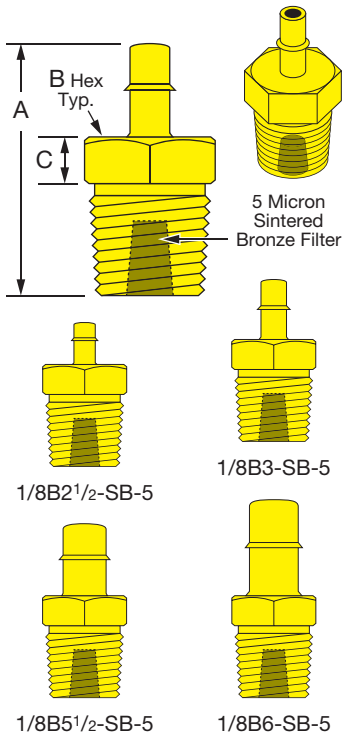


Consult factory for details!

Orifice options are available for 1/16 NPT fittings with Sintered Bronze Filters! Consult factory for details!

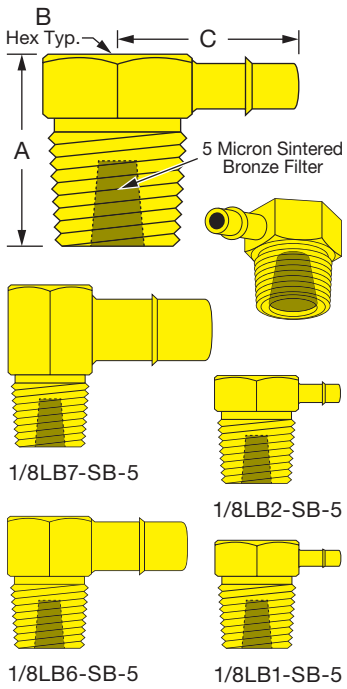
H2

1/8 NPT Thread to Tube Fittings with 5 Micron Sintered Bronze Filter Element 823



Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	1/8B1-SB-5	1/8B1-SB-5-SS	1/8B1-SB-5-316SS	1/8B1-SB-5-AL	1/8B1-SB-5-NP	3/4	7/16	5/32
5/64 / 2mm	1/8B2-SB-5	1/8B2-SB-5-SS	1/8B2-SB-5-316SS	1/8B2-SB-5-AL	1/8B2-SB-5-NP	3/4	7/16	5/32
3/32	1/8B2 1/2-SB-5	1/8B2 1/2-SB-5-SS	1/8B2 1/2-SB-5-316SS	1/8B2 1/2-SB-5-AL	1/8B2 1/2-SB-5-NP	3/4	7/16	5/32
1/8	1/8B3-SB-5	1/8B3-SB-5-SS	1/8B3-SB-5-316SS	1/8B3-SB-5-AL	1/8B3-SB-5-NP	27/32	7/16	5/32
5/32 / 4mm	1/8B3 1/2-SB-5	1/8B3 1/2-SB-5-SS	1/8B3 1/2-SB-5-316SS	1/8B3 1/2-SB-5-AL	1/8B3 1/2-SB-5-NP	27/32	7/16	5/32
.170	1/8B4-SB-5	1/8B4-SB-5-SS	1/8B4-SB-5-316SS	1/8B4-SB-5-AL	1/8B4-SB-5-NP	27/32	7/16	5/32
3/8	1/8B5-SB-5	1/8B5-SB-5-SS	1/8B5-SB-5-316SS	1/8B5-SB-5-AL	1/8B5-SB-5-NP	31/32	7/16	7/32
7/32	1/8B5 1/2-SB-5	1/8B5 1/2-SB-5-SS	1/8B5 1/2-SB-5-316SS	1/8B5 1/2-SB-5-AL	1/8B5 1/2-SB-5-NP	31/32	7/16	7/32
6mm	1/8B5 3/4-SB-5	1/8B5 3/4-SB-5-SS	1/8B5 3/4-SB-5-316SS	1/8B5 3/4-SB-5-AL	1/8B5 3/4-SB-5-NP	1 1/32	7/16	5/32
1/4	1/8B6-SB-5	1/8B6-SB-5-SS	1/8B6-SB-5-316SS	1/8B6-SB-5-AL	1/8B6-SB-5-NP	1 1/32	7/16	5/32
5/16 / 8mm	1/8B7-SB-5	1/8B7-SB-5-SS	1/8B7-SB-5-316SS	1/8B7-SB-5-AL	1/8B7-SB-5-NP	1 7/16	7/16	5/32
3/8	1/8B8-SB-5	1/8B8-SB-5-SS	1/8B8-SB-5-316SS	1/8B8-SB-5-AL	1/8B8-SB-5-NP	1 1/16	7/16	5/32
1/2	1/8B10-SB-5	1/8B10-SB-5-SS	1/8B10-SB-5-316SS	1/8B10-SB-5-AL	1/8B10-SB-5-NP	1 9/16	5/8	3/16

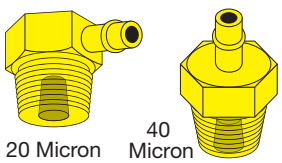
1/8 NPT Thread Elbows with 5 Micron Sintered Bronze Filter Element 824



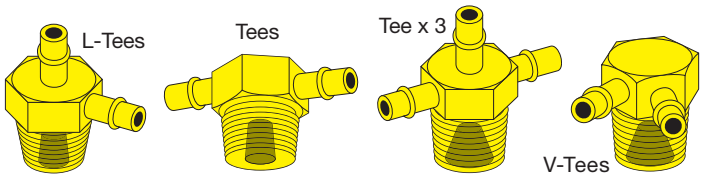
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	1/8LB1-SB-5	1/8LB1-SB-5-SS	1/8LB1-SB-5-316SS	1/8LB1-SB-5-NP	9/16	7/16	7/16
5/64 / 2mm	1/8LB2-SB-5	1/8LB2-SB-5-SS	1/8LB2-SB-5-316SS	1/8LB2-SB-5-NP	9/16	7/16	7/16
3/32	1/8LB2 1/2-SB-5	1/8LB2 1/2-SB-5-SS	1/8LB2 1/2-SB-5-316SS	1/8LB2 1/2-SB-5-NP	9/16	7/16	7/16
1/8	1/8LB3-SB-5	1/8LB3-SB-5-SS	1/8LB3-SB-5-316SS	1/8LB3-SB-5-NP	9/16	7/16	17/32
5/32 / 4mm	1/8LB3 1/2-SB-5	1/8LB3 1/2-SB-5-SS	1/8LB3 1/2-SB-5-316SS	1/8LB3 1/2-SB-5-NP	9/16	7/16	17/32
.170	1/8LB4-SB-5	1/8LB4-SB-5-SS	1/8LB4-SB-5-316SS	1/8LB4-SB-5-NP	5/8	7/16	9/16
3/8	1/8LB5-SB-5	1/8LB5-SB-5-SS	1/8LB5-SB-5-316SS	1/8LB5-SB-5-NP	5/8	7/16	19/32
7/32	1/8LB5 1/2-SB-5	1/8LB5 1/2-SB-5-SS	1/8LB5 1/2-SB-5-316SS	1/8LB5 1/2-SB-5-NP	5/8	7/16	19/32
6mm	1/8LB5 3/4-SB-5	1/8LB5 3/4-SB-5-SS	1/8LB5 3/4-SB-5-316SS	1/8LB5 3/4-SB-5-NP	11/16	7/16	23/32
1/4	1/8LB6-SB-5	1/8LB6-SB-5-SS	1/8LB6-SB-5-316SS	1/8LB6-SB-5-NP	11/16	7/16	23/32
5/16 / 8mm	1/8LB7-SB-5	1/8LB7-SB-5-SS	1/8LB7-SB-5-316SS	1/8LB7-SB-5-NP	27/32	7/16	27/32
3/8	1/8LB8-SB-5	1/8LB8-SB-5-SS	1/8LB8-SB-5-316SS	1/8LB8-SB-5-NP	1 11/64	5/8	27/32
1/2	1/8LB10-SB-5	1/8LB10-SB-5-SS	1/8LB10-SB-5-316SS	1/8LB10-SB-5-NP	1 11/64	5/8	1 1/16

Orifice options also available!

20 & 40 Micron Sintered Filters available! Consult factory for details!

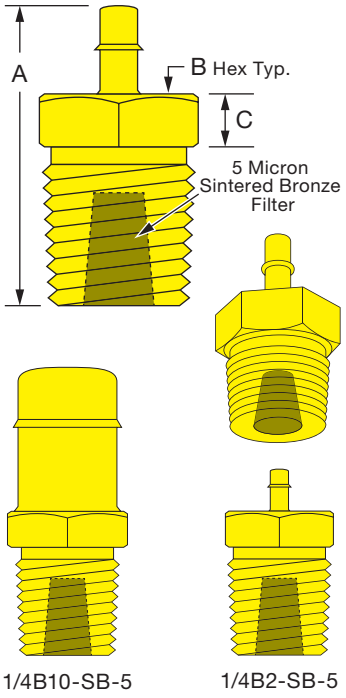


Other 1/8 thread options! Consult factory for details!



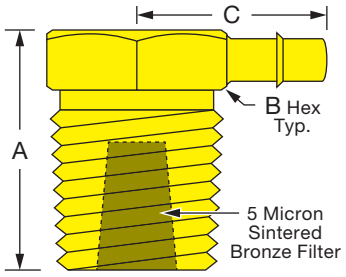
825 — 1/4 NPT Thread to Tube with 5 Micron Sintered Bronze Filter Element

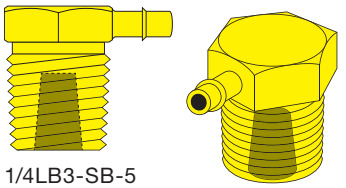
Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	1/4B1-SB-5	1/4B1-SB-5-SS	1/4B1-SB-5-316SS	1/4B1-SB-5-AL	1/4B1-SB-5-NP	31/32	9/16	3/16
5/64 / 2mm	1/4B2-SB-5	1/4B2-SB-5-SS	1/4B2-SB-5-316SS	1/4B2-SB-5-AL	1/4B2-SB-5-NP	31/32	9/16	3/16
3/32	1/4B2 1/2-SB-5	1/4B2 1/2-SB-5-SS	1/4B2 1/2-SB-5-316SS	1/4B2 1/2-SB-5-AL	1/4B2 1/2-SB-5-NP	31/32	9/16	3/16
1/8	1/4B3-SB-5	1/4B3-SB-5-SS	1/4B3-SB-5-316SS	1/4B3-SB-5-AL	1/4B3-SB-5-NP	1 1/16	9/16	3/16
5/32 / 4mm	1/4B3 1/2-SB-5	1/4B3 1/2-SB-5-SS	1/4B3 1/2-SB-5-316SS	1/4B3 1/2-SB-5-AL	1/4B3 1/2-SB-5-NP	1 1/16	9/16	3/16
.170	1/4B4-SB-5	1/4B4-SB-5-SS	1/4B4-SB-5-316SS	1/4B4-SB-5-AL	1/4B4-SB-5-NP	1 3/32	9/16	3/16
3/16	1/4B5-SB-5	1/4B5-SB-5-SS	1/4B5-SB-5-316SS	1/4B5-SB-5-AL	1/4B5-SB-5-NP	1 1/8	9/16	3/16
7/32	1/4B5 1/2-SB-5	1/4B5 1/2-SB-5-SS	1/4B5 1/2-SB-5-316SS	1/4B5 1/2-SB-5-AL	1/4B5 1/2-SB-5-NP	1 1/8	9/16	3/16
6mm	1/4B5 3/4-SB-5	1/4B5 3/4-SB-5-SS	1/4B5 3/4-SB-5-316SS	1/4B5 3/4-SB-5-AL	1/4B5 3/4-SB-5-NP	1 1/4	9/16	3/16
1/4	1/4B6-SB-5	1/4B6-SB-5-SS	1/4B6-SB-5-316SS	1/4B6-SB-5-AL	1/4B6-SB-5-NP	1 1/4	9/16	3/16
5/16 / 8mm	1/4B7-SB-5	1/4B7-SB-5-SS	1/4B7-SB-5-316SS	1/4B7-SB-5-AL	1/4B7-SB-5-NP	1 3/8	9/16	3/16
3/8	1/4B8-SB-5	1/4B8-SB-5-SS	1/4B8-SB-5-316SS	1/4B8-SB-5-AL	1/4B8-SB-5-NP	1 9/32	9/16	3/16
1/2	1/4B10-SB-5	1/4B10-SB-5-SS	1/4B10-SB-5-316SS	1/4B10-SB-5-AL	1/4B10-SB-5-NP	1 9/16	5/8	3/16



826 — 1/4 NPT Thread Elbows with 5 Micron Sintered Bronze Filter Element

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	1/4LB1-SB-5	1/4LB1-SB-5-SS	1/4LB1-SB-5-316SS	1/4LB1-SB-5-NP	3/4	9/16	1/2
5/64 / 2mm	1/4LB2-SB-5	1/4LB2-SB-5-SS	1/4LB2-SB-5-316SS	1/4LB2-SB-5-NP	3/4	9/16	1/2
3/32	1/4LB2 1/2-SB-5	1/4LB2 1/2-SB-5-SS	1/4LB2 1/2-SB-5-316SS	1/4LB2 1/2-SB-5-NP	3/4	9/16	1/2
1/8	1/4LB3-SB-5	1/4LB3-SB-5-SS	1/4LB3-SB-5-316SS	1/4LB3-SB-5-NP	3/4	9/16	19/32
5/32 / 4mm	1/4LB3 1/2-SB-5	1/4LB3 1/2-SB-5-SS	1/4LB3 1/2-SB-5-316SS	1/4LB3 1/2-SB-5-NP	3/4	9/16	19/32
.170	1/4LB4-SB-5	1/4LB4-SB-5-SS	1/4LB4-SB-5-316SS	1/4LB4-SB-5-NP	3/4	9/16	5/8
3/8	1/4LB5-SB-5	1/4LB5-SB-5-SS	1/4LB5-SB-5-316SS	1/4LB5-SB-5-NP	3/4	9/16	21/32
7/32	1/4LB5 1/2-SB-5	1/4LB5 1/2-SB-5-SS	1/4LB5 1/2-SB-5-316SS	1/4LB5 1/2-SB-5-NP	3/4	9/16	21/32
6mm	1/4LB5 3/4-SB-5	1/4LB5 3/4-SB-5-SS	1/4LB5 3/4-SB-5-316SS	1/4LB5 3/4-SB-5-NP	7/8	9/16	25/32
1/4	1/4LB6-SB-5	1/4LB6-SB-5-SS	1/4LB6-SB-5-316SS	1/4LB6-SB-5-NP	7/8	9/16	25/32
5/16 / 8mm	1/4LB7-SB-5	1/4LB7-SB-5-SS	1/4LB7-SB-5-316SS	1/4LB7-SB-5-NP	15/16	9/16	29/32
3/8	1/4LB8-SB-5	1/4LB8-SB-5-SS	1/4LB8-SB-5-316SS	1/4LB8-SB-5-NP	1 17/64	5/8	27/32
1/2	1/4LB10-SB-5	1/4LB10-SB-5-SS	1/4LB10-SB-5-316SS	1/4LB10-SB-5-NP	1 17/64	5/8	1 1/32

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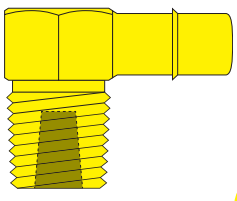
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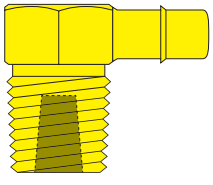
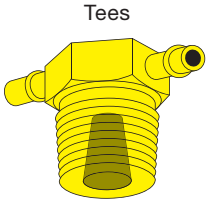
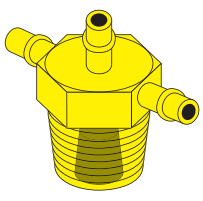
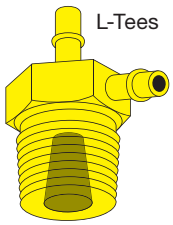

1/4LB6-SB-5

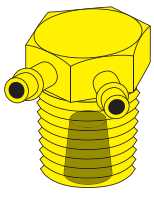
Note: *Dimensions may vary at time of manufacturing.*

Orifice options available! Lead times and minimum quantities apply. Consult factory for details!


Tees


Tee x 3


L-Tees

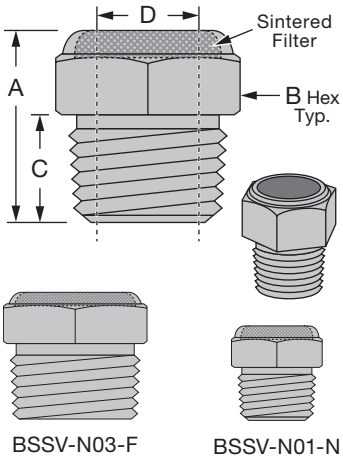

V-Tees

Other 1/4 thread options available!

Consult factory for details!

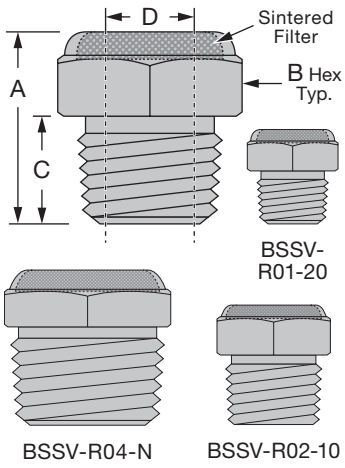
20 & 40 Micron filters available!

NPT Flat Head Mufflers with Micron Sintered Filter/Breather Vent 827



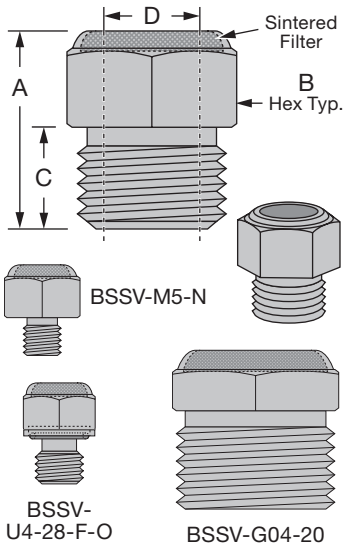
Male Thread	Part Numbers - Stainless Steel 316L				Dimensions (Reference)			
	NPT *10 Micron*	NPT *20 Micron*	NPT *40 Micron*	NPT *70 Micron*	A Ref.	B Typ.	C Ref.	D Flow
1/16	BSSV-N1/16-10	BSSV-N1/16-20	BSSV-N1/16-F	BSSV-N1/16-N	*Consult Factory*			
1/8	BSSV-N01-10	BSSV-N01-20	BSSV-N01-F	BSSV-N01-N	.472	12mm	.276	.236
1/4	BSSV-N02-10	BSSV-N02-20	BSSV-N02-F	BSSV-N02-N	.622	15mm	.362	.354
3/8	BSSV-N03-10	BSSV-N03-20	BSSV-N03-F	BSSV-N03-N	.660	19mm	.393	.394
1/2	BSSV-N04-10	BSSV-N04-20	BSSV-N04-F	BSSV-N04-N	.808	22mm	.512	.591
3/4	BSSV-N06-10	BSSV-N06-20	BSSV-N06-F	BSSV-N06-N	.878	27mm	.591	.728
1	BSSV-N08-10	BSSV-N08-20	BSSV-N08-F	BSSV-N08-N	.996	34mm	.591	.787
1 1/2	BSSV-N10-10	BSSV-N10-20	BSSV-N10-F	BSSV-N10-N	1.069	50mm	.591	1.516

BSPT Flat Head Mufflers with Micron Sintered Filter/Breather Vent 828



Male Thread	Part Numbers - Stainless Steel 316L				Dimensions (Reference)			
	NPT *10 Micron*	NPT *20 Micron*	NPT *40 Micron*	NPT *70 Micron*	A Ref.	B Typ.	C Ref.	D Flow
1/16	BSSV-R1/16-10	BSSV-R1/16-20	BSSV-R1/16-F	BSSV-R1/16-N	*Consult Factory*			
1/8	BSSV-R01-10	BSSV-R01-20	BSSV-R01-F	BSSV-R01-N	.472	12mm	.276	.236
1/4	BSSV-R02-10	BSSV-R02-20	BSSV-R02-F	BSSV-R02-N	.622	15mm	.362	.354
3/8	BSSV-R03-10	BSSV-R03-20	BSSV-R03-F	BSSV-R03-N	.660	19mm	.393	.394
1/2	BSSV-R04-10	BSSV-R04-20	BSSV-R04-F	BSSV-R04-N	.808	22mm	.512	.591
3/4	BSSV-R06-10	BSSV-R06-20	BSSV-R06-F	BSSV-R06-N	.878	27mm	.591	.728
1	BSSV-R08-10	BSSV-R08-20	BSSV-R08-F	BSSV-R08-N	.996	34mm	.591	.787
1 1/2	BSSV-R10-10	BSSV-R10-20	BSSV-R10-F	BSSV-R10-N	1.069	50mm	.591	1.516

Mini & BSPP Flat Head Mufflers with Micron Sintered Filter/Breather Vent 829



Male Thread	Part Numbers - Stainless Steel 316L				Dimensions (Reference)			
	10 Micron	*20 Micron*	*40 Micron*	*70 Micron*	A Ref.	B Typ.	C Ref.	D Flow
M5	BSSV-M5-10	BSSV-M5-20	BSSV-M5-F	BSSV-M5-N	.472	10mm	.197	.220
10-32	BSSV-U10-10	BSSV-U10-20	BSSV-U10-F	BSSV-U10-N	.472	10mm	.197	.220
1/4-28*	BSSV-U4-28-10-O	BSSV-U4-28-20-O	BSSV-U4-28-F-O	BSSV-U4-28-N-O	.525	9.5mm	1/4	1/8
1/8 BSPP	BSSV-G01-10	BSSV-G01-20	BSSV-G01-F	BSSV-G01-N	.472	12mm	.216	.220
1/4 BSPP	BSSV-G02-10	BSSV-G02-20	BSSV-G02-F	BSSV-G02-N	.689	15mm	.354	.343
3/8 BSPP	BSSV-G03-10	BSSV-G03-20	BSSV-G03-F	BSSV-G03-N	.689	19mm	.354	.430
1/2 BSPP	BSSV-G04-10	BSSV-G04-20	BSSV-G04-F	BSSV-G04-N	.827	22mm	.512	.591
3/4 BSPP	BSSV-G06-10	BSSV-G06-20	BSSV-G06-F	BSSV-G06-N	.827	27mm	.512	.760
1 BSPP	BSSV-G08-10	BSSV-G08-20	BSSV-G08-F	BSSV-G08-N	.945	34mm	.591	.910
1 1/2 BSPP	BSSV-G10-10	BSSV-G10-20	BSSV-G10-F	BSSV-G10-N	1.063	50mm	.610	1.449

*1/4-28 Flat Head Mufflers are supplied with O-Ring installed.

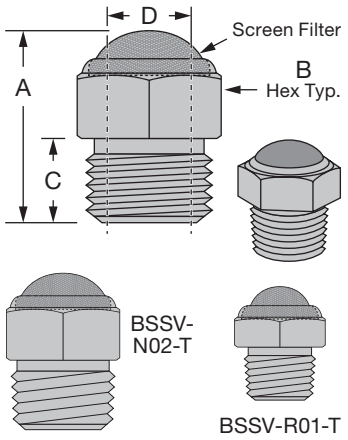
O-Rings are available on other thread sizes! Consult factory!

O-Ring options are listed on page 65!

Flat Head Mufflers have a maximum operating pressure of 175 PSI at 70°F!

830 NPT & BSPT Flat Head Mufflers with 70 Micron Dome Screen Filter/Breather Vent

Male Thread	Part Numbers - Stainless Steel 316L		Dimensions (Reference)			
	NPT Thread	BSPT Thread	A Ref.	B Typ.	C Ref.	D Flow
⅛	BSSV-N01-T	BSSV-R01-T	.591	12mm	.276	.236
¼	BSSV-N02-T	BSSV-R02-T	.807	15mm	.362	.343
⅜	BSSV-N03-T	BSSV-R03-T	.866	19mm	.393	.452
½	BSSV-N04-T	BSSV-R04-T	1.016	22mm	.512	.591
¾	BSSV-N06-T	BSSV-R06-T	1.181	27mm	.591	.782
1	BSSV-N08-T	BSSV-R08-T	1.272	34mm	.591	0.925
1½	BSSV-N10-T	BSSV-N10-T	1.724	50mm	.591	1.449



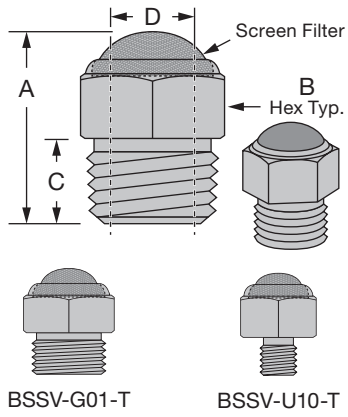
831 Mini & BSPP Flat Head Mufflers with 70 Micron Dome Screen Filter/Breather Vent

Male Thread Size	Part Numbers	Dimensions (Reference)			
	Stainless Steel 316L	A Ref.	B Typ.	C Ref.	D Flow
10-32	BSSV-U10-T	.531	10mm	.197	.098
M5	BSSV-M5-T	.531	10mm	.197	.098
⅛ BSPP	BSSV-G01-T	.551	12mm	.216	.220
¼ BSPP	BSSV-G02-T	.807	15mm	.354	.343
⅜ BSPP	BSSV-G03-T	.827	19mm	.354	.430

Male Thread Size	Part Numbers	Dimensions (Reference)			
	Stainless Steel 316L	A Ref.	B Typ.	C Ref.	D Flow
½ BSPP	BSSV-G04-T	1.004	22mm	.512	.591
¾ BSPP	BSSV-G06-T	1.004	27mm	.512	.760
1 BSPP	BSSV-G08-T	1.161	34mm	.591	.910
1½ BSPP	BSSV-G10-T	1.724	50mm	.610	1.449

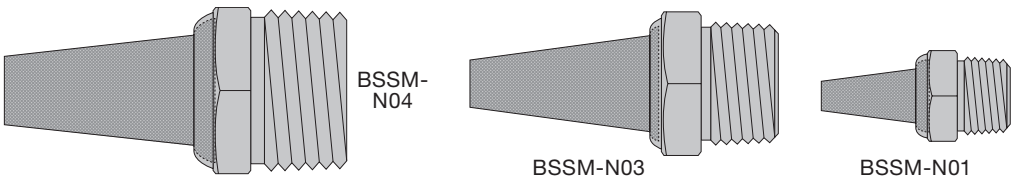
O-Ring options available! Materials on page 65!

Flat Head Mufflers have a maximum operating pressure of 175 PSI at 70°F!

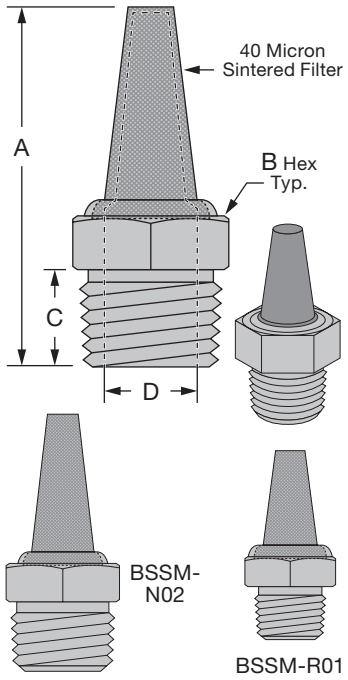


832 NPT & BSPT Convex Head Mufflers with 40 Micron Sintered Filter/Breather Vent

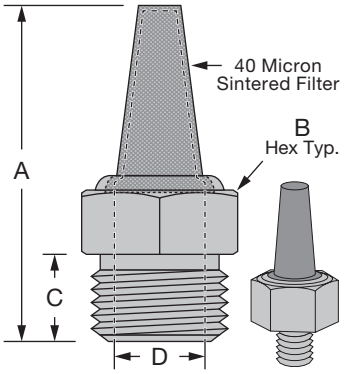
Male Thread Size	Part Numbers - Stainless Steel 316L		Dimensions (Reference)			
	NPT Thread	BSPT Thread	A Ref.	B Typ.	C Ref.	D Flow
⅛	BSSM-N01	BSSM-R01	.984	12mm	.276	.236
¼	BSSM-N02	BSSM-R02	1.339	15mm	.362	.354
⅜	BSSM-N03	BSSM-R03	1.606	19mm	.402	.394
½	BSSM-N04	BSSM-R04	1.783	22mm	.500	.591
¾	BSSM-N06	BSSM-R06	2.071	27mm	.591	.728
1	BSSM-N08	BSSM-R08	2.362	34mm	.591	.930
1½	BSSM-N10	BSSM-R10	2.955	50mm	.591	1.516



Convex Head Mufflers have a maximum operating pressure of 175 PSI at 70°F!



Mini & BSPP Convex Head Mufflers with 40 Micron Sintered Filter/Breather Vent 833



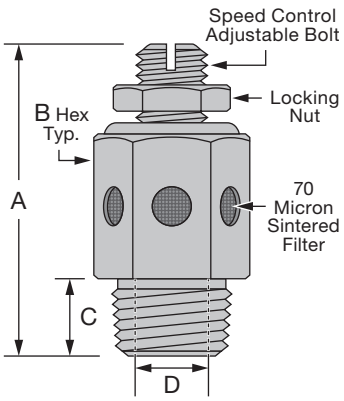
Male Thread Size	Part Numbers	Dimensions (Reference)			
	Stainless Steel 316L	A Ref.	B Typ.	C Ref.	D Flow
10-32	BSSM-U10	.890	10mm	.197	.098
M5	BSSM-M5	.890	10mm	.197	.098
⅛ BSPP	BSSM-G01	1.023	12mm	.216	.220
¼ BSPP	BSSM-G02	1.398	17mm	.354	.343
⅜ BSPP	BSSM-G03	1.653	19mm	.354	.430

Male Thread Size	Part Numbers	Dimensions (Reference)			
	Stainless Steel 316L	A Ref.	B Typ.	C Ref.	D Flow
½ BSPP	BSSM-G04	1.870	22mm	.512	.591
¾ BSPP	BSSM-G06	2.343	27mm	.512	.760
1 BSPP	BSSM-G08	2.421	34mm	.591	.910
1½ BSPP	BSSM-G10	3.225	50mm	.610	1.449

O-Ring options available! Consult factory!

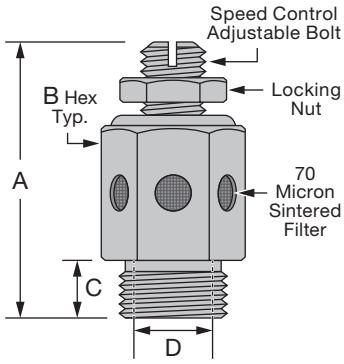
Convex Head Mufflers have a maximum operating pressure of 175 PSI at 70°F!

NPT & BSPT Exhaust Speed Control Mufflers with 70 Micron Sintered Filter 834



Male Thread Size	Part Numbers - Stainless Steel 316L		Dimensions (Reference)			
	NPT Thread	BSPT Thread	A Ref.	B Typ.	C Ref.	D Ref.
⅛	SSRV-N01	SSRV-R01	1.114	12mm	.276	.204
¼	SSRV-N02	SSRV-R02	1.457	14mm	.413	.204
⅜	SSRV-N03	SSRV-R03	1.516	17mm	.492	.370
½	SSRV-N04	SSRV-R04	1.783	22mm	.630	.527
¾	SSRV-N06	SSRV-R06	1.984	27mm	.670	.689
1	SSRV-N08	SSRV-R08	2.146	34mm	.807	.890

BSPP Exhaust Speed Control Mufflers with 70 Micron Sintered Filter 835

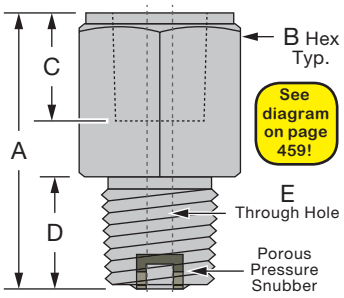


Male Thread Size	Part Numbers	Dimensions (Reference)			
	Stainless Steel 316L	A Ref.	B Typ.	C Ref.	D Ref.
10-32	SSRV-U10	*Consult Factory*			
M5	SSRV-M5	*Consult Factory*			
⅛ BSPP	SSRV-G01	1.059	12mm	0.221	0.236
¼ BSPP	SSRV-G02	1.422	17mm	0.378	0.354

Male Thread Size	Part Numbers	Dimensions (Reference)			
	Stainless Steel 316L	A Ref.	B Typ.	C Ref.	D Ref.
⅜ BSPP	SSRV-G03	1.435	19mm	0.394	0.394
½ BSPP	SSRV-G04	1.661	22mm	0.508	0.591
¾ BSPP	SSRV-G06	1.982	27mm	0.748	0.728
1 BSPP	SSRV-G08	2.164	34mm	0.825	0.931

Exhaust Speed Control Mufflers have a maximum operating pressure of 200 PSI at 70°F!

NPT & BSPT Thread Adapters with Porous Pressure Snubber 836



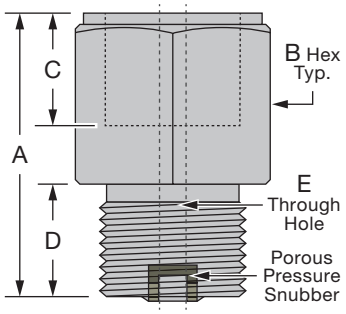
See diagram on page 459!

Male Thread Size	Female Thread Size	Part Numbers - Stainless Steel 316L		Dimensions (Reference)				
		NPT Threads	BSPT Threads	A Ref.	B Typ.	C Ref.	D Ref.	E Through Hole
¼	¼	SPS-02	SPS-02-BSPT	1.280	19mm	.500	.520	.118
⅜	⅜	SPS-03	SPS-03-BSPT	1.280	22mm	.500	.520	.118
½	½	SPS-04	SPS-04-BSPT	1.780	27mm	.750	.770	.118

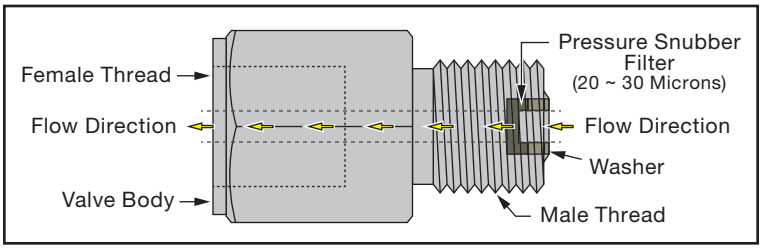
Maximum Pressure Rating: 15,000 PSI • Maximum Temperature Rating: -50 ~ 300°C

837 BSPP Thread Adapters with Porous Pressure Snubber

Male Thread Size	Female Thread Size	Part Numbers	Dimensions (Reference)				
		Stainless Steel 316L	A Ref.	B Typ.	C Ref.	D Ref.	E Flow
¼ BSPP	¼ BSPP	SPS-02-BSPP	1.280	19mm	.500	.520	.118
⅜ BSPP	⅜ BSPP	SPS-03-BSPP	1.280	22mm	.500	.520	.118
½ BSPP	½ BSPP	SPS-04-BSPP	1.780	27mm	.750	.770	.118



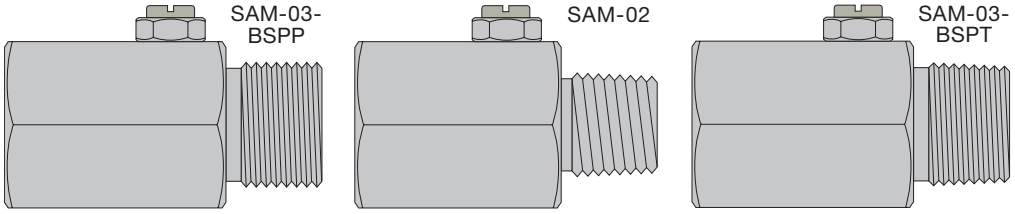
Porous Pressure Snubbers suppress the effect of pressure pulses and peaks, increase the service life of pressure gauges in harsh applications, and improve the reading accuracy of pressure gauges.

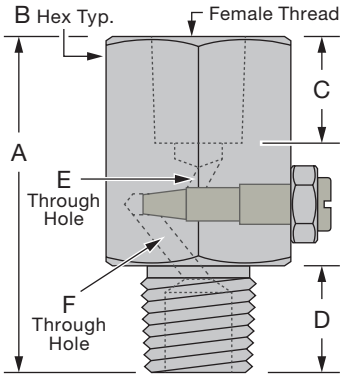


Maximum Pressure Rating: 15,000 PSI
Temperature Rating: -50 ~ 300°C

838 NPT & BSPT Male to Female Adapters with Adjustable Porous Snubber

Male Thread	Female Thread	Part Numbers - Stainless Steel 316L		Dimensions (Reference)					
		NPT Thread	BSPT Thread	A Ref.	B Typ.	C Ref.	D Ref.	E Through Hole	F Through Hole
¼	¼	SAM-02	SAM-02-BSPT	1.575	22mm	.500	.500	.079	.098
⅜	⅜	SAM-03	SAM-03-BSPT	1.654	22mm	.500	.500	.079	.098
½	½	SAM-04	SAM-04-BSPT	2.283	27mm	.750	.750	.079	.098



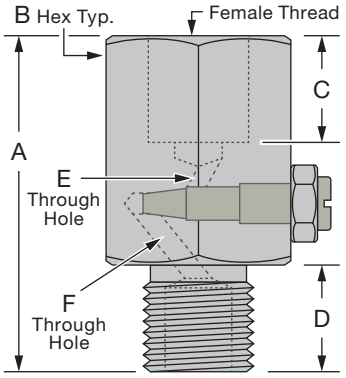


See diagram below for more on functionality and benefits!

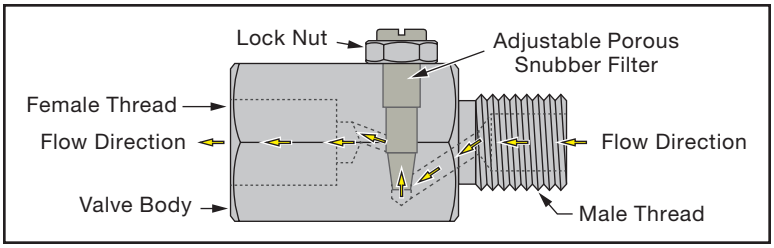
839 BSPP Male to Female Adapters with Adjustable Porous Snubber

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)					
		Stainless Steel 316L	A Ref.	B Typ.	C Ref.	D Ref.	E Through Hole	F Through Hole
¼ BSPP	¼ BSPP	SAM-02-BSPP	1.575	22mm	.500	.500	.079	.098
⅜ BSPP	⅜ BSPP	SAM-03-BSPP	1.654	22mm	.500	.500	.079	.098
½ BSPP	½ BSPP	SAM-04-BSPP	2.283	27mm	.750	.750	.079	.098

Maximum Pressure Rating: 6,000 PSI • Temperature Rating: -40 ~ 120°C

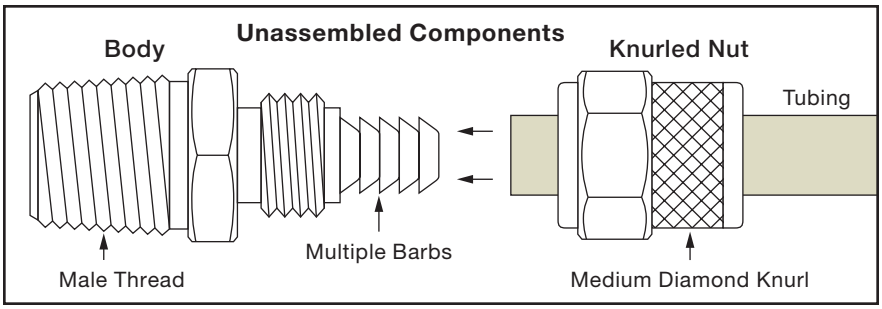


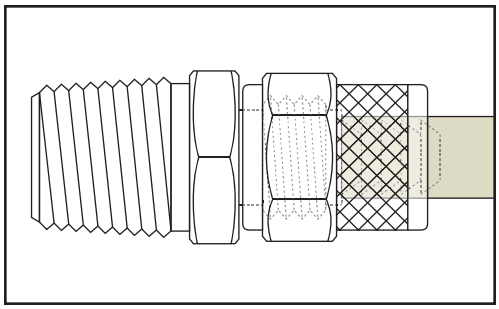
Adjustable Snubbers can be used in pumps, compressors, hydraulic presses, and/or fluid power systems to change the amount of flow restriction.



Porous Adjustable Snubbers will increase the service life of pressure gauges by reducing the damaging effects of pulsation, and improve the reading accuracy of the gauges!

PTF 2-Piece Ferruleless Male Thread Fittings

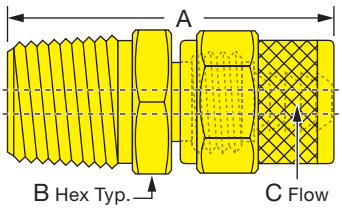


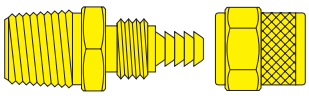


NOTE: These parts are listed with Tube O.D. - Outer (Tube) Dimensions!

New Metric PTF fittings for soft tubing coming soon!

Male Thread to Tube PTF 840

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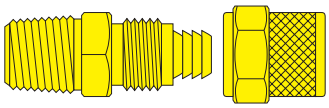
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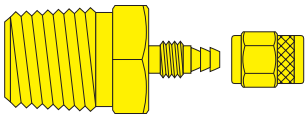
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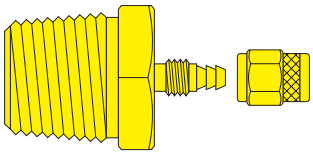
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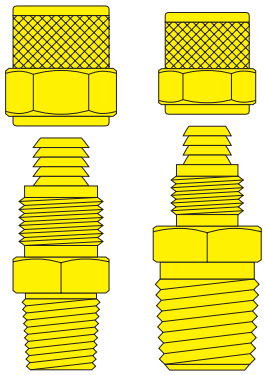
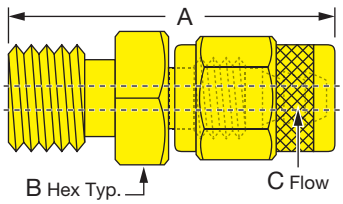

2674 2679

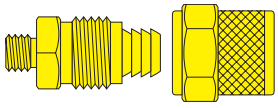
Male Thread	Tube OD	Part Numbers					Dimensions (Reference)		
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C FLOW
5/16-24	1/4	2664	2664-SS	2664-316SS	2664-AL	2664-NP	.970	1/2	.156
1/16	.096	2669	2669-SS	2669-316SS	2669-AL	2669-NP	.830	3/8	.040
1/16	.140	2670	2670-SS	2670-316SS	2670-AL	2670-NP	.875	3/8	.070
1/8	1/8	2671	2671-SS	2671-316SS	2671-AL	2671-NP	.900	7/16	.082
1/8	3/16	2672	2672-SS	2672-316SS	2672-AL	2672-NP	.993	7/16	.101
1/8	1/4	2673	2673-SS	2673-316SS	2673-AL	2673-NP	1.150	7/16	.156
1/8	5/16	2674	2674-SS	2674-316SS	2674-AL	2674-NP	1.212	1/2	.180
1/8	3/8	2675	2675-SS	2675-316SS	2675-AL	2675-NP	1.212	9/16	.187
1/8	1/2	2676	2676-SS	2676-316SS	2676-AL	2676-NP	1.275	11/19	.187
1/4	1/8	2677	2677-SS	2677-316SS	2677-AL	2677-NP	1.155	9/16	.062
1/4	3/16	2678	2678-SS	2678-316SS	2678-AL	2678-NP	1.248	9/16	.101
1/4	1/4	2679	2679-SS	2679-316SS	2679-AL	2679-NP	1.280	9/16	.140
1/4	5/16	2680	2680-SS	2680-316SS	2680-AL	2680-NP	1.385	9/16	.180
1/4	3/8	2681	2681-SS	2681-316SS	2681-AL	2681-NP	1.405	9/16	.234
1/4	1/2	2682	2682-SS	2682-316SS	2682-AL	2682-NP	1.468	11/16	.281
3/8	1/8	2683	2683-SS	2683-316SS	2683-AL	2683-NP	1.155	3/4	.062
3/8	3/16	2684	2684-SS	2684-316SS	2684-AL	2684-NP	1.248	3/4	.080
3/8	1/4	2685	2685-SS	2685-316SS	2685-AL	2685-NP	1.210	11/16	.156
3/8	5/16	2686	2686-SS	2686-316SS	2686-AL	2686-NP	1.468	3/4	.180
3/8	3/8	2687	2687-SS	2687-316SS	2687-AL	2687-NP	1.468	11/16	.234
3/8	1/2	2688	2688-SS	2688-316SS	2688-AL	2688-NP	1.468	11/16	.343
1/2	1/8	2689	2689-SS	2689-316SS	2689-AL	2689-NP	1.312	7/8	.062
1/2	3/16	2690	2690-SS	2690-316SS	2690-AL	2690-NP	1.405	7/8	.080
1/2	1/4	2691	2691-SS	2691-316SS	2691-AL	2691-NP	1.467	7/8	.156
1/2	5/16	2692	2692-SS	2692-316SS	2692-AL	2692-NP	1.625	7/8	.180
1/2	3/8	2693	2693-SS	2693-316SS	2693-AL	2693-NP	1.625	7/8	.228
1/2	1/2	2694	2694-SS	2694-316SS	2694-AL	2694-NP	1.625	7/8	.343

J2

841 Mini Male Thread to Tube PTF

Male Thread	Tube OD	Part Numbers					Dimensions (Reference)		
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C FLOW
10-32	.096	0015	0015-SS	0015-316SS	0015-AL	0015-NP	.560	¼	.040
10-32	.140	0016	0016-SS	0016-316SS	0016-AL	0016-NP	.570	¼	.070
10-32	⅛	0018	0018-SS	0018-316SS	0018-AL	0018-NP	.620	¼	.062
10-32	¼	0019	0019-SS	0019-316SS	0019-AL	0019-NP	.855	⅜	.093
10-32	3⁄16	0020	0020-SS	0020-316SS	0020-AL	0020-NP	.800	⅜	.078
1⁄16	⅛	90329	90329-SS	90329-316SS	90329-AL	90329-NP	.895	⅜	.062
¼-28	.096	4-28x .096PTF	4-28x .096PTF-SS	4-28x .096PTF-316SS	4-28x .096PTF-AL	4-28x .096PTF-NP	.705	5⁄16	.040
¼-28	.140	4-28x .140PTF	4-28x .140PTF-SS	4-28x .140PTF-316SS	4-28x .140PTF-AL	4-28x .140PTF-NP	¾	5⁄16	.070
¼-28	⅛	4-28x 1/8PTF	4-28x 1/8PTF-SS	4-28x 1/8PTF-316SS	4-28x 1/8PTF-AL	4-28x 1/8PTF-NP	¾	5⁄16	.062
¼-28	3⁄16	4-28x 3/16PTF	4-28x 3/16PTF-SS	4-28x 3/16PTF-316SS	4-28x 3/16PTF-AL	4-28x 3/16PTF-NP	.861	⅜	.078
¼-28	¼	4-28x 1/4PTF	4-28x 1/4PTF-SS	4-28x 1/4PTF-316SS	4-28x 1/4PTF-AL	4-28x 1/4PTF-NP	.905	⅜	.093
1⁄16	3⁄16	1/16x 3/16PTF	1/16x 3/16PTF-SS	1/16x 3/16PTF-316SS	1/16x 3/16PTF-AL	1/16x 3/16PTF-NP	.986	⅜	.078
1⁄16	¼	1/16x 1/4PTF	1/16x 1/4PTF-SS	1/16x 1/4PTF-316SS	1/16x 1/4PTF-AL	1/16x 1/4PTF-NP	1 1⁄32	⅜	.093

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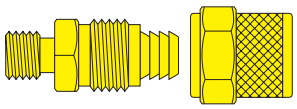
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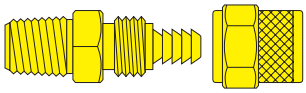
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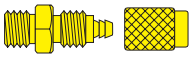
These parts are listed as O.D.!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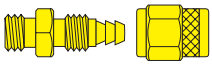
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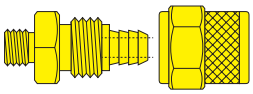
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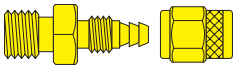
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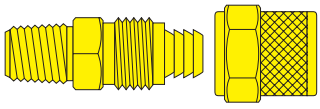
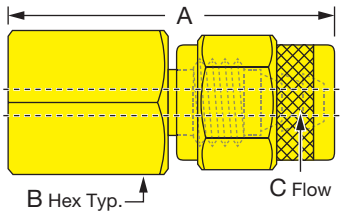
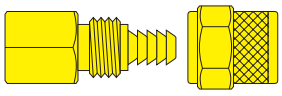

1/16x1/4PTF

842 Mini Female Thread to Tube PTF

Female Thread	Tube OD	Part Numbers					Dimensions (Reference)		
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C FLOW
10-32	.096	0015F	0015F-SS	0015F-316SS	0015F-AL	0015F-NP	.560	¼	.040
10-32	.140	0016F	0016F-SS	0016F-316SS	0016F-AL	0016F-NP	.570	¼	.070
10-32	⅛	0018F	0018F-SS	0018F-316SS	0018F-AL	0018F-NP	.620	¼	.062
10-32	¼	0019F	0019F-SS	0019F-316SS	0019F-AL	0019F-NP	.855	⅜	.093
10-32	3⁄16	0020F	0020F-SS	0020F-316SS	0020F-AL	0020F-NP	.800	⅜	.078
1⁄16	⅛	90329F	90329F-SS	90329F-316SS	90329F-AL	90329F-NP	.895	7⁄16	.062
¼-28	.096	4-28Fx .096PTF	4-28Fx .096PTF-SS	4-28Fx .096PTF-316SS	4-28Fx .096PTF-AL	4-28Fx .096PTF-NP	.705	⅜	.040
¼-28	.140	4-28Fx .140PTF	4-28Fx .140PTF-SS	4-28Fx .140PTF-316SS	4-28Fx .140PTF-AL	4-28Fx .140PTF-NP	.75	⅜	.070
¼-28	⅛	4-28Fx 1/8PTF	4-28Fx 1/8PTF-SS	4-28Fx 1/8PTF-316SS	4-28Fx 1/8PTF-AL	4-28Fx 1/8PTF-NP	.75	⅜	.062
¼-28	3⁄16	4-28Fx 3/16PTF	4-28Fx 3/16PTF-SS	4-28Fx 3/16PTF-316SS	4-28Fx 3/16PTF-AL	4-28Fx 3/16PTF-NP	.861	⅜	.078
¼-28	¼	4-28Fx 1/4PTF	4-28Fx 1/4PTF-SS	4-28Fx 1/4PTF-316SS	4-28Fx 1/4PTF-AL	4-28Fx 1/4PTF-NP	.905	⅜	.093
1⁄16	3⁄16	1/16Fx 3/16PTF	1/16Fx 3/16PTF-SS	1/16Fx 3/16PTF-316SS	1/16Fx 3/16PTF-AL	1/16Fx 3/16PTF-NP	.986	⅜	.078
1⁄16	¼	1/16Fx 1/4PTF	1/16Fx 1/4PTF-SS	1/16Fx 1/4PTF-316SS	1/16Fx 1/4PTF-AL	1/16Fx 1/4PTF-NP	1.030	⅜	.093

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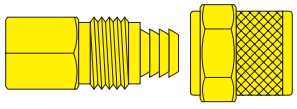
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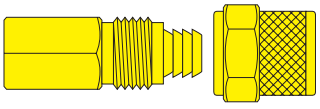
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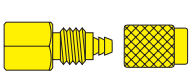
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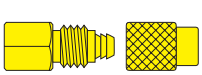
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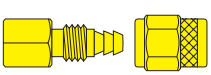
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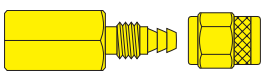
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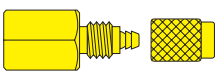
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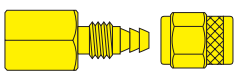
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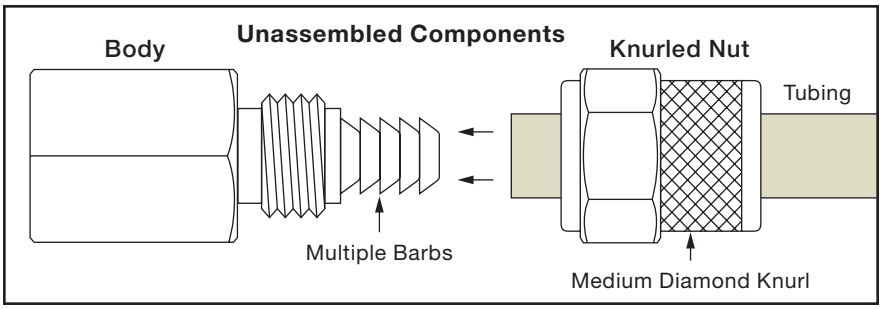
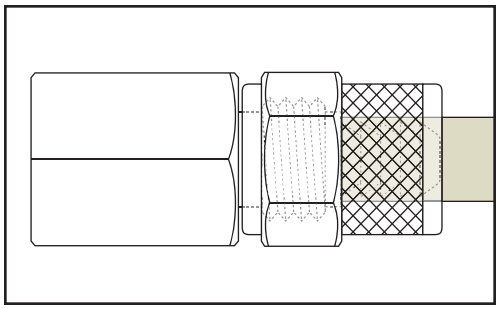
J2

PTF 2-Piece Ferruleless Female Thread Fittings

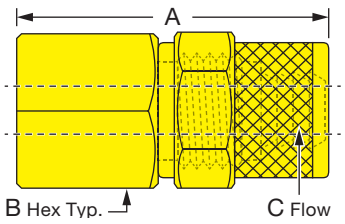


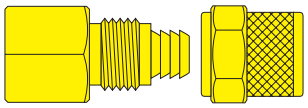


NOTE: These parts are listed with Tube O.D. - Outer (Tube) Dimensions!

New Metric PTF fittings for soft tubing coming soon!

Female Thread to Tube PTF 843

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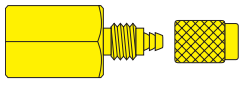
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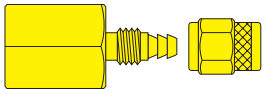
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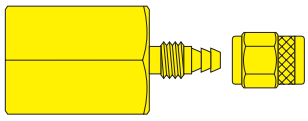
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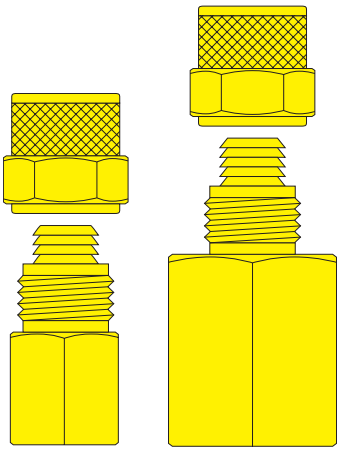
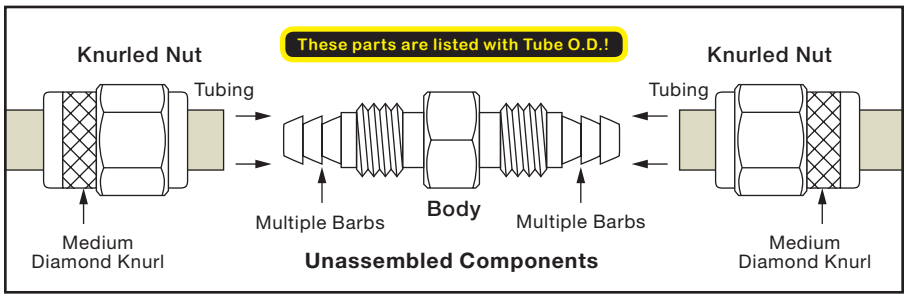

2675F 2693F

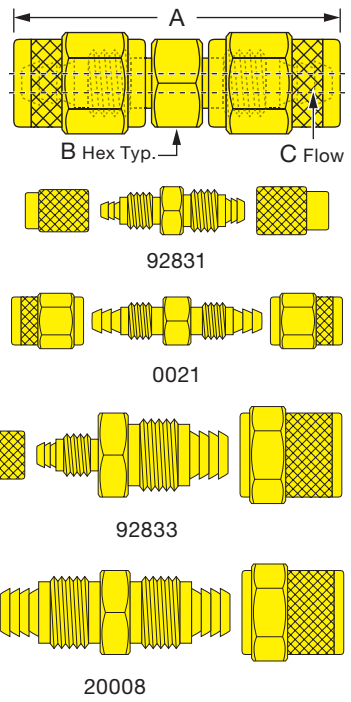
Female Thread	Tube OD	Part Numbers					Dimensions (Reference)		
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C FLOW
5/16-24	1/4	2664F	2664F-SS	2664F-316SS	2664F-AL	2664F-NP	.970	1/2	.156
1/16	.096	2669F	2669F-SS	2669F-316SS	2669F-AL	2669F-NP	.830	3/8	.040
1/16	.140	2670F	2670F-SS	2670F-316SS	2670F-AL	2670F-NP	.875	3/8	.070
1/8	1/8	2671F	2671F-SS	2671F-316SS	2671F-AL	2671F-NP	.900	7/16	.062
1/8	3/16	2672F	2672F-SS	2672F-316SS	2672F-AL	2672F-NP	.993	7/16	.101
1/8	1/4	2673F	2673F-SS	2673F-316SS	2673F-AL	2673F-NP	1.150	7/16	.156
1/8	5/16	2674F	2674F-SS	2674F-316SS	2674F-AL	2674F-NP	1.212	1/2	.180
1/8	3/8	2675F	2675F-SS	2675F-316SS	2675F-AL	2675F-NP	1.212	9/16	.187
1/8	1/2	2676F	2676F-SS	2676F-316SS	2676F-AL	2676F-NP	1.275	11/19	.187
1/4	1/8	2677F	2677F-SS	2677F-316SS	2677F-AL	2677F-NP	1.155	9/16	.062
1/4	3/16	2678F	2678F-SS	2678F-316SS	2678F-AL	2678F-NP	1.248	9/16	.101
1/4	1/4	2679F	2679F-SS	2679F-316SS	2679F-AL	2679F-NP	1.280	9/16	.140
1/4	5/16	2680F	2680F-SS	2680F-316SS	2680F-AL	2680F-NP	1.385	9/16	.180
1/4	3/8	2681F	2681F-SS	2681F-316SS	2681F-AL	2681F-NP	1.405	9/16	.234
1/4	1/2	2682F	2682F-SS	2682F-316SS	2682F-AL	2682F-NP	1.468	11/16	.281
3/8	1/8	2683F	2683F-SS	2683F-316SS	2683F-AL	2683F-NP	1.155	3/4	.062
3/8	3/16	2684F	2684F-SS	2684F-316SS	2684F-AL	2684F-NP	1.248	3/4	.080
3/8	1/4	2685F	2685F-SS	2685F-316SS	2685F-AL	2685F-NP	1.210	11/16	.156
3/8	5/16	2686F	2686F-SS	2686F-316SS	2686F-AL	2686F-NP	1.468	3/4	.180
3/8	3/8	2687F	2687F-SS	2687F-316SS	2687F-AL	2687F-NP	1.468	11/16	.234
3/8	1/2	2688F	2688F-SS	2688F-316SS	2688F-AL	2688F-NP	1.468	11/16	.343
1/2	1/8	2689F	2689F-SS	2689F-316SS	2689F-AL	2689F-NP	1.312	7/8	.062
1/2	3/16	2690F	2690F-SS	2690F-316SS	2690F-AL	2690F-NP	1.405	7/8	.080
1/2	1/4	2691F	2691F-SS	2691F-316SS	2691F-AL	2691F-NP	1.467	7/8	.156
1/2	5/16	2692F	2692F-SS	2692F-316SS	2692F-AL	2692F-NP	1.625	7/8	.180
1/2	3/8	2693F	2693F-SS	2693F-316SS	2693F-AL	2693F-NP	1.625	7/8	.228
1/2	1/2	2694F	2694F-SS	2694F-316SS	2694F-AL	2694F-NP	1.625	7/8	.343

J2

844 Tube to Tube PTF Couplings

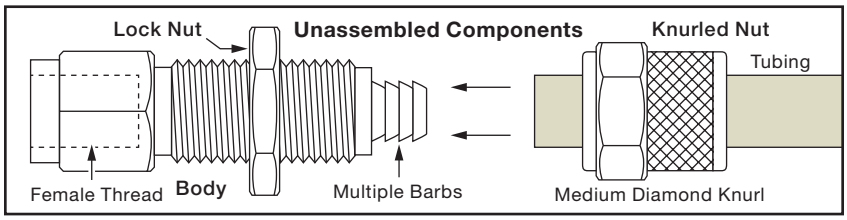
Tube OD	Tube OD	Part Numbers					Dimensions (Reference)		
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C FLOW
.096	.096	92830	92830-SS	92830-316SS	92830-AL	92830-NP	.750	¼	.040
.096	.140	92831	92831-SS	92831-316SS	92831-AL	92831-NP	.750	¼	.040
.140	.140	92832	92832-SS	92832-316SS	92832-AL	92832-NP	.750	¼	.070
.140	¼	92833	92833-SS	92833-316SS	92833-AL	92833-NP	.990	7/16	.070
⅛	⅛	0021	0021-SS	0021-316SS	0021-AL	0021-NP	.930	¼	.062
¼	¼	20008	20008-SS	20008-316SS	20008-AL	20008-NP	1.24	7/16	.156



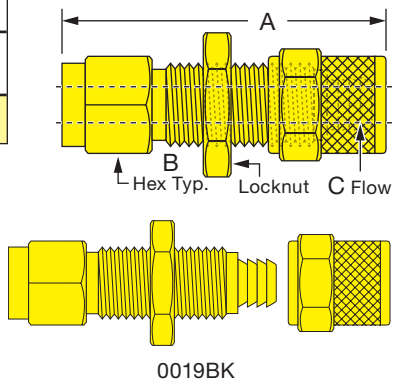


845 Miniature Bulkhead - Female Thread to Tube PTF

Female Thread	Tube OD	Part Numbers					Dimensions (Reference)		
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C FLOW
10-32	¼	0019BK	0019BK-SS	0019BK-316SS	0019BK-AL	0019BK-NP	1.46	7/16	.156

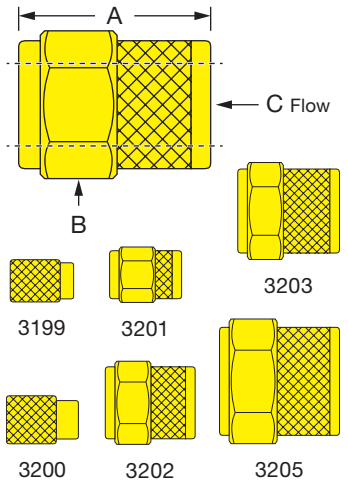


This fitting is listed as Tube O.D.!

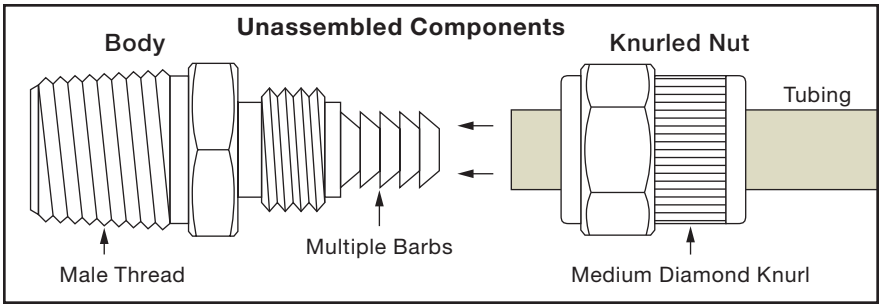


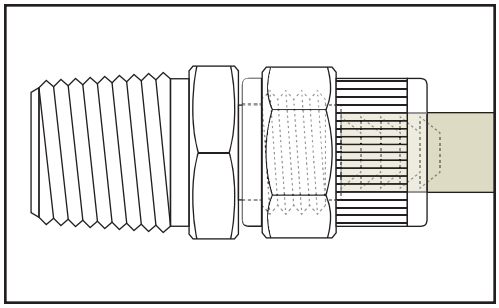
846 Diamond Knurled Nuts

Internal Thread	Tube OD	Part Numbers					Dimensions (Reference)		
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C FLOW
10-32 UNF	.096	3199	3199-SS	3199-316SS	3199-AL	3199-NP	.330	.220	.100
12-28 UNF	.140	3200	3200-SS	3200-316SS	3200-AL	3200-NP	3/8	¼	.144
10-32 UNF	⅛	3201	3201-SS	3201-316SS	3201-AL	3201-NP	3/8	¼	.128
5/16-24 UNF	3/16	3202	3202-SS	3202-316SS	3202-AL	3202-NP	.468	3/8	.182
3/8-24 UNF	¼	3203	3203-SS	3203-316SS	3203-AL	3203-NP	.530	7/16	.255
7/16-24 UNF	5/16	3204	3204-SS	3204-316SS	3204-AL	3204-NP	5/8	½	.317
½-24 UNF	3/8	3205	3205-SS	3205-316SS	3205-AL	3205-NP	5/8	9/16	.383
5/8-20 UNF	½	3206	3206-SS	3206-316SS	3206-AL	3206-NP	5/8	11/16	.508



PTF 2-Piece Ferruleless Male Thread Fittings for Strong Tubing

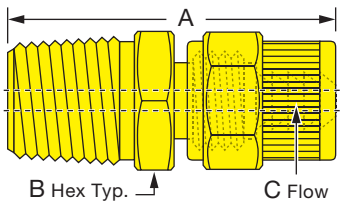


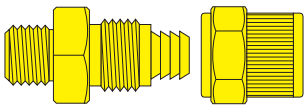


NOTE: These parts are listed with Tube O.D. - Outer (Tube) Dimensions!

New Metric PTF fittings for soft tubing coming soon!

Male Thread to Tube PTF for Strong Tubing 847

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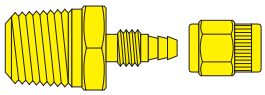
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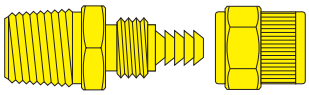
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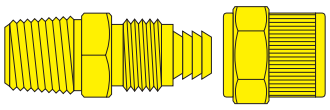
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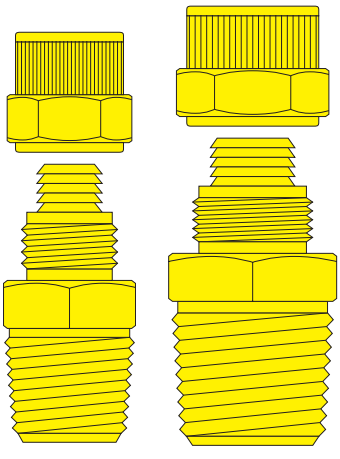
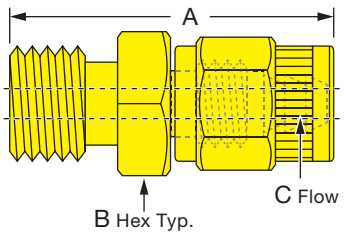
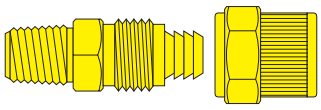

2687-PN 2694-PN

Male Thread	Tube OD	Part Numbers					Dimensions (Reference)		
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C FLOW
5/16-24	1/4	2664-PN	2664-PN-SS	2664-PN-316SS	2664-PN-AL	2664-PN-NP	.970	1/2	.156
1/16	.096	2669-PN	2669-PN-SS	2669-PN-316SS	2669-PN-AL	2669-PN-NP	.830	3/8	.040
1/16	.140	2670-PN	2670-PN-SS	2670-PN-316SS	2670-PN-AL	2670-PN-NP	.875	3/8	.070
1/8	1/8	2671-PN	2671-PN-SS	2671-PN-316SS	2671-PN-AL	2671-PN-NP	.900	7/16	.062
1/8	3/16	2672-PN	2672-PN-SS	2672-PN-316SS	2672-PN-AL	2672-PN-NP	.993	7/16	.101
1/8	1/4	2673-PN	2673-PN-SS	2673-PN-316SS	2673-PN-AL	2673-PN-NP	1.150	7/16	.156
1/8	5/16	2674-PN	2674-PN-SS	2674-PN-316SS	2674-PN-AL	2674-PN-NP	1.212	1/2	.180
1/8	3/8	2675-PN	2675-PN-SS	2675-PN-316SS	2675-PN-AL	2675-PN-NP	1.212	9/16	.187
1/8	1/2	2676-PN	2676-PN-SS	2676-PN-316SS	2676-PN-AL	2676-PN-NP	1.275	11/19	.187
1/4	1/8	2677-PN	2677-PN-SS	2677-PN-316SS	2677-PN-AL	2677-PN-NP	1.155	9/16	.062
1/4	3/16	2678-PN	2678-PN-SS	2678-PN-316SS	2678-PN-AL	2678-PN-NP	1.248	9/16	.101
1/4	1/4	2679-PN	2679-PN-SS	2679-PN-316SS	2679-PN-AL	2679-PN-NP	1.280	9/16	.140
1/4	5/16	2680-PN	2680-PN-SS	2680-PN-316SS	2680-PN-AL	2680-PN-NP	1.385	9/16	.180
1/4	3/8	2681-PN	2681-PN-SS	2681-PN-316SS	2681-PN-AL	2681-PN-NP	1.405	9/16	.234
1/4	1/2	2682-PN	2682-PN-SS	2682-PN-316SS	2682-PN-AL	2682-PN-NP	1.468	11/16	.281
3/8	1/8	2683-PN	2683-PN-SS	2683-PN-316SS	2683-PN-AL	2683-PN-NP	1.155	3/4	.062
3/8	3/16	2684-PN	2684-PN-SS	2684-PN-316SS	2684-PN-AL	2684-PN-NP	1.248	3/4	.080
3/8	1/4	2685-PN	2685-PN-SS	2685-PN-316SS	2685-PN-AL	2685-PN-NP	1.210	11/16	.156
3/8	5/16	2686-PN	2686-PN-SS	2686-PN-316SS	2686-PN-AL	2686-PN-NP	1.468	3/4	.180
3/8	3/8	2687-PN	2687-PN-SS	2687-PN-316SS	2687-PN-AL	2687-PN-NP	1.468	11/16	.234
3/8	1/2	2688-PN	2688-PN-SS	2688-PN-316SS	2688-PN-AL	2688-PN-NP	1.468	11/16	.343
1/2	1/8	2689-PN	2689-PN-SS	2689-PN-316SS	2689-PN-AL	2689-PN-NP	1.312	7/8	.062
1/2	3/16	2690-PN	2690-PN-SS	2690-PN-316SS	2690-PN-AL	2690-PN-NP	1.405	7/8	.080
1/2	1/4	2691-PN	2691-PN-SS	2691-PN-316SS	2691-PN-AL	2691-PN-NP	1.467	7/8	.156
1/2	5/16	2692-PN	2692-PN-SS	2692-PN-316SS	2692-PN-AL	2692-PN-NP	1.625	7/8	.180
1/2	3/8	2693-PN	2693-PN-SS	2693-PN-316SS	2693-PN-AL	2693-PN-NP	1.625	7/8	.228
1/2	1/2	2694-PN	2694-PN-SS	2694-PN-316SS	2694-PN-AL	2694-PN-NP	1.625	7/8	.343

848 Mini Male Thread to Tube PTF for Strong Tubing

Male Thread	Tube OD	Part Numbers					Dimensions (Reference)		
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C FLOW
10-32	.096	0015-PN	0015-PN-SS	0015-PN-316SS	0015-PN-AL	0015-PN-NP	.560	¼	.040
10-32	.140	0016-PN	0016-PN-SS	0016-PN-316SS	0016-PN-AL	0016-PN-NP	.570	¼	.070
10-32	⅛	0018-PN	0018-PN-SS	0018-PN-316SS	0018-PN-AL	0018-PN-NP	.620	¼	.062
10-32	¼	0019-PN	0019-PN-SS	0019-PN-316SS	0019-PN-AL	0019-PN-NP	.855	⅜	.093
10-32	3⁄16	0020-PN	0020-PN-SS	0020-PN-316SS	0020-PN-AL	0020-PN-NP	.800	⅜	.078
1⁄16	⅛	90329-PN	90329-PN-SS	90329-PN-316SS	90329-PN-AL	90329-PN-NP	.895	5⁄16	.062
¼-28	.096	4-28x.096 PTF-PN	4-28x.096 PTF-PN-SS	4-28x.096 PTF-PN-316SS	4-28x.096 PTF-PN-AL	4-28x.096 PTF-PN-NP	.705	5⁄16	.040
¼-28	.140	4-28x.140 PT-PN	4-28x.140 PTF-PN-SS	4-28x.140 PTF-PN-316SS	4-28x.140 PTF-PN-AL	4-28x.140 PTF-PN-NP	.750	5⁄16	.070
¼-28	⅛	4-28x1/8 PTF-PN	4-28x1/8 PTF-PN-SS	4-28x1/8 PTF-PN-316SS	4-28x1/8 PTF-PN-AL	4-28x1/8 PTF-PN-NP	.750	5⁄16	.062
¼-28	3⁄16	4-28x3/16 PTF-PN	4-28x3/16 PTF-PN-SS	4-28x3/16 PTF-PN-316SS	4-28x3/16 PTF-PN-AL	4-28x3/16 PTF-PN-NP	.861	⅜	.078
¼-28	¼	4-28x1/4 PTF-PN	4-28x1/4 PTF-PN-SS	4-28x1/4 PTF-PN-316SS	4-28x1/4 PTF-PN-AL	4-28x1/4 PTF-PN-NP	.905	⅜	.093
1⁄16	3⁄16	1/16x3/16 PTF-PN	1/16x3/16 PTF-PN-SS	1/16x3/16 PTF-PN-316SS	1/16x3/16 PTF-PN-AL	1/16x3/16 PTF-PN-NP	.986	⅜	.078
1⁄16	¼	1/16x1/4 PTF-PN	1/16x1/4 PTF-PN-SS	1/16x1/4 PTF-PN-316SS	1/16x1/4 PTF-PN-AL	1/16x1/4 PTF-PN-NP	1.030	⅜	.093

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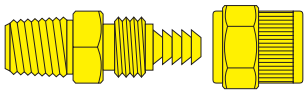
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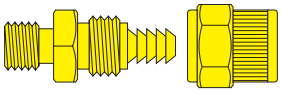
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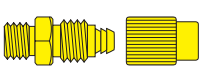
These parts are listed as Tube O.D.!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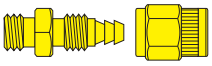
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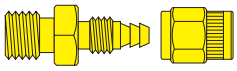
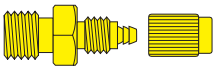
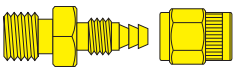
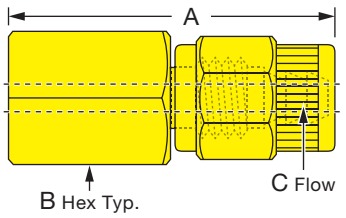

90329-PN

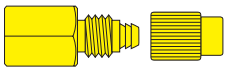

4-28x.096PTF-PN

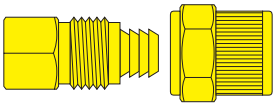

4-28x1/8PTF-PN

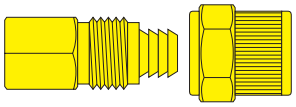
849 Mini Female Thread to Tube PTF for Strong Tubing

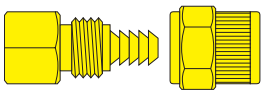
Female Thread	Tube OD	Part Numbers					Dimensions (Reference)		
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C FLOW
10-32	.096	0015F-PN	0015F-PN-SS	0015F-PN-316SS	0015F-PN-AL	0015F-PN-NP	.560	¼	.040
10-32	.140	0016F-PN	0016F-PN-SS	0016F-PN-316SS	0016F-PN-AL	0016F-PN-NP	.570	¼	.070
10-32	⅛	0018F-PN	0018F-PN-SS	0018F-PN-316SS	0018F-PN-AL	0018F-PN-NP	.620	¼	.062
10-32	¼	0019F-PN	0019F-PN-SS	0019F-PN-316SS	0019F-PN-AL	0019F-PN-NP	.855	⅜	.093
10-32	3⁄16	0020F-PN	0020F-PN-SS	0020F-PN-316SS	0020F-PN-AL	0020F-PN-NP	.800	⅜	.078
1⁄16	⅛	90329F-PN	90329F-PN-SS	90329F-PN-316SS	90329F-PN-AL	90329F-PN-NP	.895	7⁄16	.062
¼-28	.096	4-28Fx.096 PTF-PN	4-28Fx.096 PTF-PN-SS	4-28Fx.096 PTF-PN-316SS	4-28Fx.096 PTF-PN-AL	4-28Fx.096 PTF-PN-NP	.705	⅜	.040
¼-28	.140	4-28Fx.140 PT-PN	4-28Fx.140 PTF-PN-SS	4-28Fx.140 PTF-PN-316SS	4-28Fx.140 PTF-PN-AL	4-28Fx.140 PTF-PN-NP	.750	⅜	.070
¼-28	⅛	4-28Fx1/8 PTF-PN	4-28Fx1/8 PTF-PN-SS	4-28Fx1/8 PTF-PN-316SS	4-28Fx1/8 PTF-PN-AL	4-28Fx1/8 PTF-PN-NP	.750	⅜	.062
¼-28	3⁄16	4-28Fx3/16 PTF-PN	4-28Fx3/16 PTF-PN-SS	4-28Fx3/16 PTF-PN-316SS	4-28Fx3/16 PTF-PN-AL	4-28Fx3/16 PTF-PN-NP	.861	⅜	.078
¼-28	¼	4-28Fx1/4 PTF-PN	4-28Fx1/4 PTF-PN-SS	4-28Fx1/4 PTF-PN-316SS	4-28Fx1/4 PTF-PN-AL	4-28Fx1/4 PTF-PN-NP	.905	⅜	.093
1⁄16	3⁄16	1/16Fx3/16 PTF-PN	1/16Fx3/16 PTF-PN-SS	1/16Fx3/16 PTF-PN-316SS	1/16Fx3/16 PTF-PN-AL	1/16Fx3/16 PTF-PN-NP	.986	⅜	.078
1⁄16	¼	1/16Fx1/4 PTF-PN	1/16Fx1/4 PTF-PN-SS	1/16Fx1/4 PTF-PN-316SS	1/16Fx1/4 PTF-PN-AL	1/16Fx1/4 PTF-PN-NP	1.030	⅜	.093




4-28Fx.140PTF-PN


0019F-PN


4-28Fx1/4PTF-PN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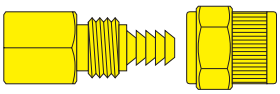
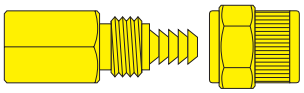
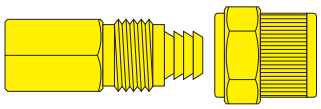

4-28Fx3/16PTF-PN

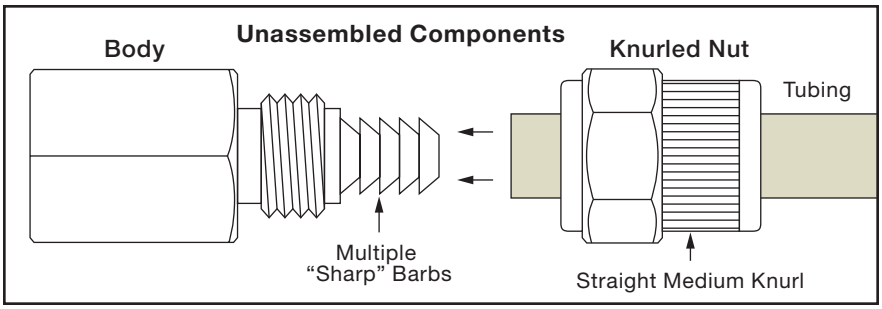

1/16Fx3/16PTF-PN

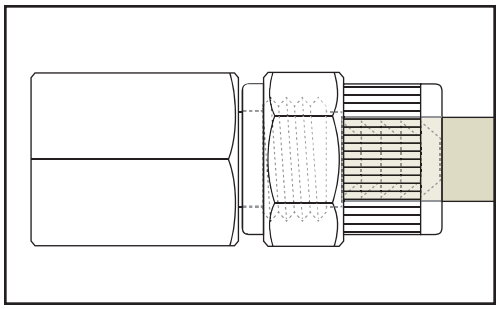

1/16Fx1/4PTF-PN

These parts are listed as Tube O.D.!

J2

PTF 2-Piece Ferruleless Female Thread Fittings for Strong Tubing

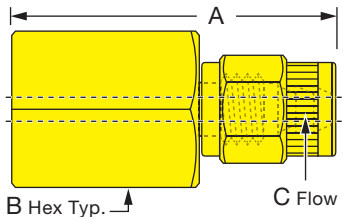


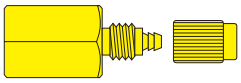


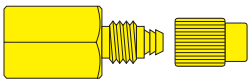
NOTE: These parts are listed with Tube O.D. - Outer (Tube) Dimensions!

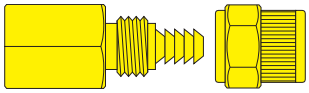
New Metric PTF fittings for soft tubing coming soon!

Female Thread to Tube PTF for Strong Tubing 850




2669F-PN


2670F-PN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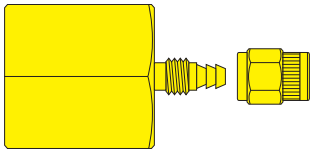
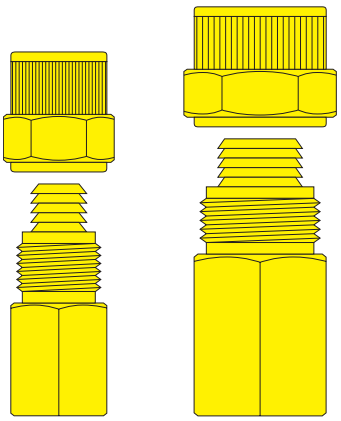

2683F-PN

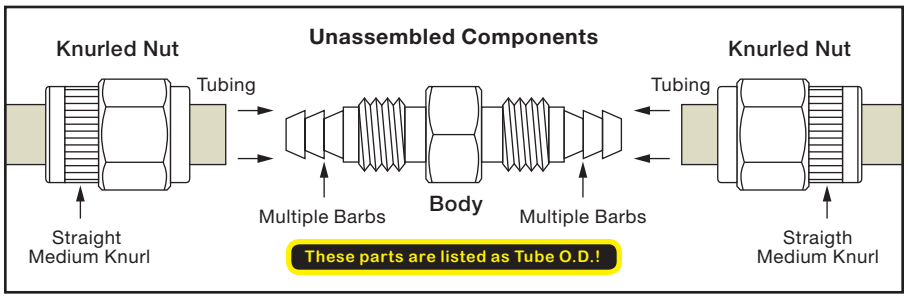

2674F-PN 2688-PN

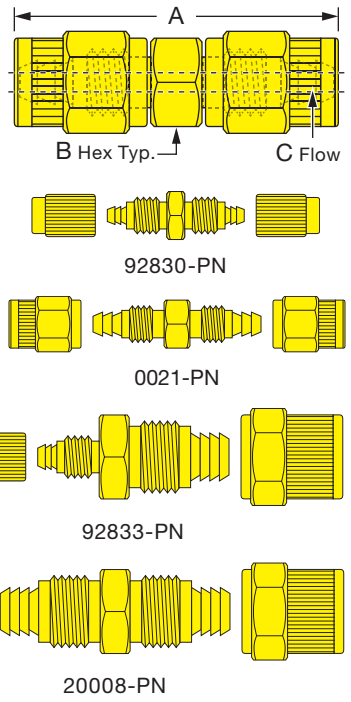
Female Thread	Tube OD	Part Numbers					Dimensions (Reference)		
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C FLOW
5/16-24	1/4	2664F-PN	2664F-PN-SS	2664F-PN-316SS	2664F-PN-AL	2664F-PN-NP	.970	1/2	.156
1/16	.096	2669F-PN	2669F-PN-SS	2669F-PN-316SS	2669F-PN-AL	2669F-PN-NP	.830	3/8	.040
1/16	.140	2670F-PN	2670F-PN-SS	2670F-PN-316SS	2670F-PN-AL	2670F-PN-NP	.875	3/8	.070
1/8	1/8	2671F-PN	2671F-PN-SS	2671F-PN-316SS	2671F-PN-AL	2671F-PN-NP	.900	7/16	.062
1/8	3/16	2672F-PN	2672F-PN-SS	2672F-PN-316SS	2672F-PN-AL	2672F-PN-NP	.993	7/16	.101
1/8	1/4	2673F-PN	2673F-PN-SS	2673F-PN-316SS	2673F-PN-AL	2673F-PN-NP	1.150	7/16	.156
1/8	5/16	2674F-PN	2674F-PN-SS	2674F-PN-316SS	2674F-PN-AL	2674F-PN-NP	1.212	1/2	.180
1/8	3/8	2675F-PN	2675F-PN-SS	2675F-PN-316SS	2675F-PN-AL	2675F-PN-NP	1.212	9/16	.187
1/8	1/2	2676F-PN	2676F-PN-SS	2676F-PN-316SS	2676F-PN-AL	2676F-PN-NP	1.275	11/19	.187
1/4	1/8	2677F-PN	2677F-PN-SS	2677F-PN-316SS	2677F-PN-AL	2677F-PN-NP	1.155	9/16	.062
1/4	3/16	2678F-PN	2678F-PN-SS	2678F-PN-316SS	2678F-PN-AL	2678F-PN-NP	1.248	9/16	.101
1/4	1/4	2679F-PN	2679F-PN-SS	2679F-PN-316SS	2679F-PN-AL	2679F-PN-NP	1.280	9/16	.140
1/4	5/16	2680F-PN	2680F-PN-SS	2680F-PN-316SS	2680F-PN-AL	2680F-PN-NP	1.385	9/16	.180
1/4	3/8	2681F-PN	2681F-PN-SS	2681F-PN-316SS	2681F-PN-AL	2681F-PN-NP	1.405	9/16	.234
1/4	1/2	2682F-PN	2682F-PN-SS	2682F-PN-316SS	2682F-PN-AL	2682F-PN-NP	1.468	11/16	.281
3/8	1/8	2683F-PN	2683F-PN-SS	2683F-PN-316SS	2683F-PN-AL	2683F-PN-NP	1.155	3/4	.062
3/8	3/16	2684F-PN	2684F-PN-SS	2684F-PN-316SS	2684F-PN-AL	2684F-PN-NP	1.248	3/4	.080
3/8	1/4	2685F-PN	2685F-PN-SS	2685F-PN-316SS	2685F-PN-AL	2685F-PN-NP	1.210	11/16	.156
3/8	5/16	2686F-PN	2686F-PN-SS	2686F-PN-316SS	2686F-PN-AL	2686F-PN-NP	1.468	3/4	.180
3/8	3/8	2687F-PN	2687F-PN-SS	2687F-PN-316SS	2687F-PN-AL	2687F-PN-NP	1.468	11/16	.234
3/8	1/2	2688F-PN	2688F-PN-SS	2688F-PN-316SS	2688F-PN-AL	2688F-PN-NP	1.468	11/16	.343
1/2	1/8	2689F-PN	2689F-PN-SS	2689F-PN-316SS	2689F-PN-AL	2689F-PN-NP	1.312	7/8	.062
1/2	3/16	2690F-PN	2690F-PN-SS	2690F-PN-316SS	2690F-PN-AL	2690F-PN-NP	1.405	7/8	.080
1/2	1/4	2691F-PN	2691F-PN-SS	2691F-PN-316SS	2691F-PN-AL	2691F-PN-NP	1.467	7/8	.156
1/2	5/16	2692F-PN	2692F-PN-SS	2692F-PN-316SS	2692F-PN-AL	2692F-PN-NP	1.625	7/8	.180
1/2	3/8	2693F-PN	2693F-PN-SS	2693F-PN-316SS	2693F-PN-AL	2693F-PN-NP	1.625	7/8	.228
1/2	1/2	2694F-PN	2694F-PN-SS	2694F-PN-316SS	2694F-PN-AL	2694F-PN-NP	1.625	7/8	.343

J2

851 Tube to Tube PTF Couplings Strong Tubing

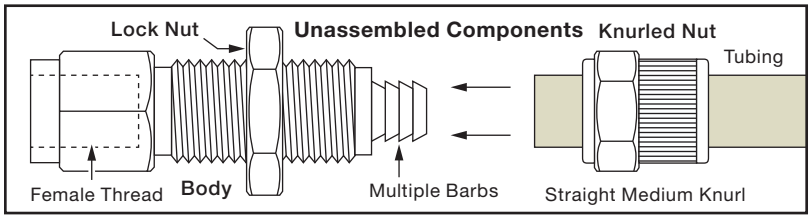
Tube OD	Tube OD	Part Numbers					Dimensions (Reference)		
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C FLOW
.096	.096	92830-PN	92830-PN-SS	92830-PN-316SS	92830-PN-AL	92830-PN-NP	.750	¼	.040
.096	.140	92831-PN	92831-PN-SS	92831-PN-316SS	92831-PN-AL	92831-PN-NP	.750	¼	.040
.140	.140	92832-PN	92832-PN-SS	92832-PN-316SS	92832-PN-AL	92832-PN-NP	.750	¼	.070
.140	¼	92833-PN	92833-PN-SS	92833-PN-316SS	92833-PN-AL	92833-PN-NP	.990	7⁄16	.070
⅛	⅛	0021-PN	0021-PN-SS	0021-PN-316SS	0021-PN-AL	0021-PN-NP	.875	¼	.062
¼	¼	20008-PN	20008-PN-SS	20008-PN-316SS	20008-PN-AL	20008-PN-NP	1.24	7⁄16	.156



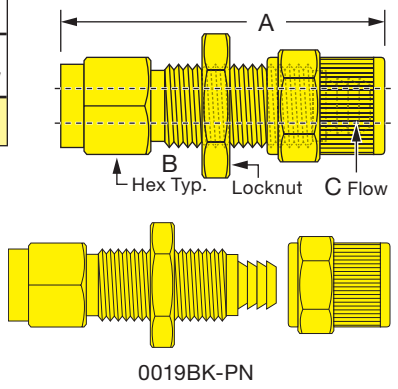


852 Miniature Bulkhead - Female Thread to Tube PTF for Strong Tubing

Female Thread	Tube OD	Part Numbers					Dimensions (Reference)		
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C FLOW
10-32	1/4	0019BK	0019BK-PN-SS	0019BK-PN-316SS	0019BK-PN-AL	0019BK-PN-NP	1.46	7⁄16	.156

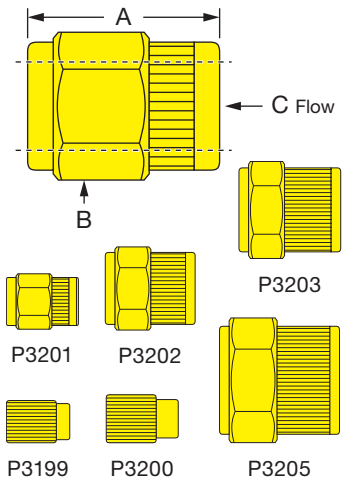


This fitting is listed as Tube O.D.! (outer dimension)



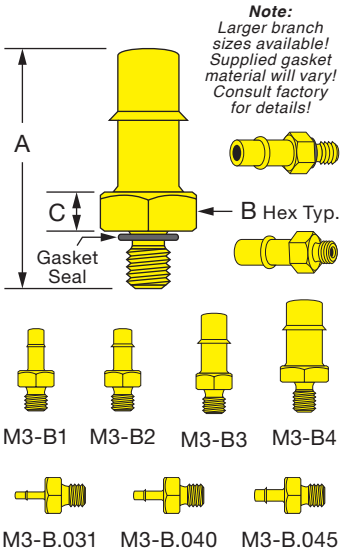
853 Straight Knurled Nuts

Internal Thread	Tube OD	Part Numbers					Dimensions (Reference)		
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C FLOW
10-32 UNF	.096	P3199	P3199-SS	P3199-316SS	P3199-AL	P3199-NP	.330	.220	.100
12-28 UNF	.140	P3200	P3200-SS	P3200-316SS	P3200-AL	P3200-NP	⅜	¼	.144
10-32 UNF	⅛	P3201	P3201-SS	P3201-316SS	P3201-AL	P3201-NP	⅜	¼	.128
5⁄16-24 UNF	3⁄16	P3202	P3202-SS	P3202-316SS	P3202-AL	P3202-NP	.468	⅜	.182
⅜-24 UNF	¼	P3203	P3203-SS	P3203-316SS	P3203-AL	P3203-NP	.530	7⁄16	.255
7⁄16-24 UNF	5⁄16	P3204	P3204-SS	P3204-316SS	P3204-AL	P3204-NP	⅝	½	.317
½-24 UNF	⅜	P3205	P3205-SS	P3205-316SS	P3205-AL	P3205-NP	⅝	9⁄16	.383
⅝-20 UNF	½	P3206	P3206-SS	P3206-316SS	P3206-AL	P3206-NP	⅝	11⁄16	.508



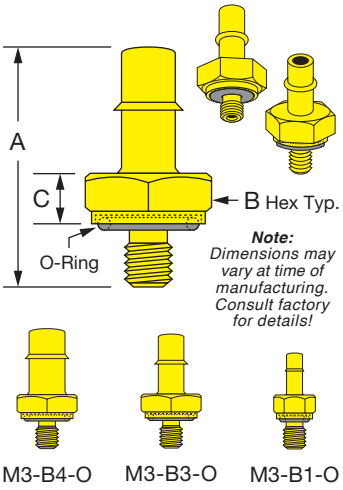
J2

M3x0.5 Male Thread to Tube with Rubber Gasket Supplied 854



Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	M3-B.031	M3-B.031-SS	M3-B.031-316SS	M3-B.031-AL	M3-B.031-NP	.366	3/16	.085
.040 / 1mm	M3-B.040	M3-B.040-SS	M3-B.040-316SS	M3-B.040-AL	M3-B.040-NP	.366	3/16	.085
3/64	M3-B.045	M3-B.045-SS	M3-B.045-316SS	M3-B.045-AL	M3-B.045-NP	.366	3/16	.085
.050	M3-B.050	M3-B.050-SS	M3-B.050-316SS	M3-B.050-AL	M3-B.050-NP	.366	3/16	.085
1/16	M3-B1	M3-B1-SS	M3-B1-316SS	M3-B1-AL	M3-B1-NP	.429	3/16	.085
5/64 / 2mm	M3-B2	M3-B2-SS	M3-B2-316SS	M3-B2-AL	M3-B2-NP	.429	3/16	.085
3/32	M3-B2 1/2	M3-B2 1/2-SS	M3-B2 1/2-316SS	M3-B2 1/2-AL	M3-B2 1/2-NP	.429	3/16	.085
1/8	M3-B3	M3-B3-SS	M3-B3-316SS	M3-B3-AL	M3-B3-NP	.522	3/16	.085
5/32 / 4mm	M3-B3 1/2	M3-B3 1/2-SS	M3-B3 1/2-316SS	M3-B3 1/2-AL	M3-B3 1/2-NP	.553	1/4	.085
.170	M3-B4	M3-B4-SS	M3-B4-316SS	M3-B4-AL	M3-B4-NP	.585	1/4	.085

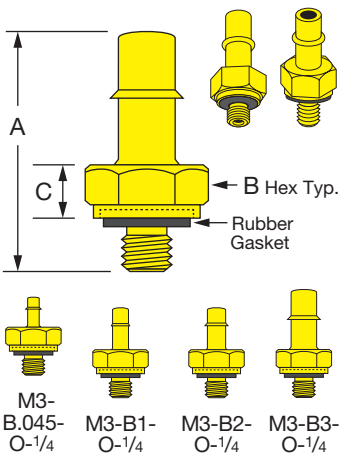
M3x0.5 Male Thread to Tube with O-Ring Seal Installed 855



O-Ring options listed on page 65!

Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	M3-B.031-O	M3-B.031-O-SS	M3-B.031-O-316SS	M3-B.031-O-AL	M3-B.031-O-NP	7/16	5/16	1/8
.040 / 1mm	M3-B.040-O	M3-B.040-O-SS	M3-B.040-O-316SS	M3-B.040-O-AL	M3-B.040-O-NP	7/16	5/16	1/8
3/64	M3-B.045	M3-B.045-O-SS	M3-B.045-O-316SS	M3-B.045-O-AL	M3-B.045-O-NP	7/16	5/16	1/8
.050	M3-B.050-O	M3-B.050-O-SS	M3-B.050-O-316SS	M3-B.050-O-AL	M3-B.050-O-NP	7/16	5/16	1/8
1/16	M3-B1-O	M3-B1-O-SS	M3-B1-O-316SS	M3-B1-O-AL	M3-B1-O-NP	1/2	3/16	1/8
5/64 / 2mm	M3-B2-O	M3-B2-O-SS	M3-B2-O-316SS	M3-B2-O-AL	M3-B2-O-NP	1/2	5/16	1/8
3/32	M3-B2 1/2-O	M3-B2 1/2-O-SS	M3-B2 1/2-O-316SS	M3-B2 1/2-O-AL	M3-B2 1/2-O-NP	1/2	5/16	1/8
1/8	M3-B3-O	M3-B3-O-SS	M3-B3-O-316SS	M3-B3-O-AL	M3-B3-O-NP	19/32	5/16	1/8
5/32 / 4mm	M3-B3 1/2-O	M3-B3 1/2-O-SS	M3-B3 1/2-O-316SS	M3-B3 1/2-O-AL	M3-B3 1/2-O-NP	19/32	5/16	1/8
.170	M3-B4-O	M3-B4-O-SS	M3-B4-O-316SS	M3-B4-O-AL	M3-B4-O-NP	5/8	5/16	1/8

M3x0.5 Male Thread to Tube with Captive Rubber Gasket Installed 856



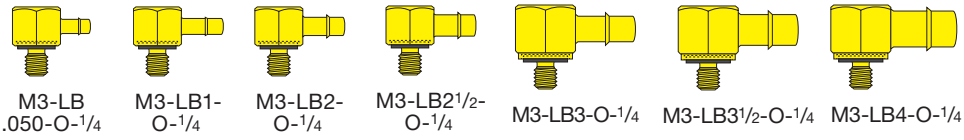
Note: *Dimensions may vary. Consult factory!*

Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	M3-B.031-O-1/4	M3-B.031-O-1/4-SS	M3-B.031-O-1/4-316SS	M3-B.031-O-1/4-AL	M3-B.031-O-1/4-NP	13/32	1/4	1/8
.040 / 1mm	M3-B.040-O-1/4	M3-B.040-O-1/4-SS	M3-B.040-O-1/4-316SS	M3-B.040-O-1/4-AL	M3-B.040-O-1/4-NP	13/32	1/4	1/8
3/64	M3-B.045	M3-B.045-O-1/4-SS	M3-B.045-O-1/4-316SS	M3-B.045-O-1/4-AL	M3-B.045-O-1/4-NP	13/32	1/4	1/8
.050	M3-B.050-O-1/4	M3-B.050-O-1/4-SS	M3-B.050-O-1/4-316SS	M3-B.050-O-1/4-AL	M3-B.050-O-1/4-NP	13/32	1/4	1/8
1/16	M3-B1-O-1/4	M3-B1-O-1/4-SS	M3-B1-O-1/4-316SS	M3-B1-O-1/4-AL	M3-B1-O-1/4-NP	15/32	1/4	1/8
5/64 / 2mm	M3-B2-O-1/4	M3-B2-O-1/4-SS	M3-B2-O-1/4-316SS	M3-B2-O-1/4-AL	M3-B2-O-1/4-NP	15/32	1/4	1/8
3/32	M3-B2 1/2-O-1/4	M3-B2 1/2-O-1/4-SS	M3-B2 1/2-O-1/4-316SS	M3-B2 1/2-O-1/4-AL	M3-B2 1/2-O-1/4-NP	15/32	1/4	1/8
1/8	M3-B3-O-1/4	M3-B3-O-1/4-SS	M3-B3-O-1/4-316SS	M3-B3-O-1/4-AL	M3-B3-O-1/4-NP	9/16	1/4	1/8
5/32 / 4mm	M3-B3 1/2-O-1/4	M3-B3 1/2-O-1/4-SS	M3-B3 1/2-O-1/4-316SS	M3-B3 1/2-O-1/4-AL	M3-B3 1/2-O-1/4-NP	9/16	1/4	1/8

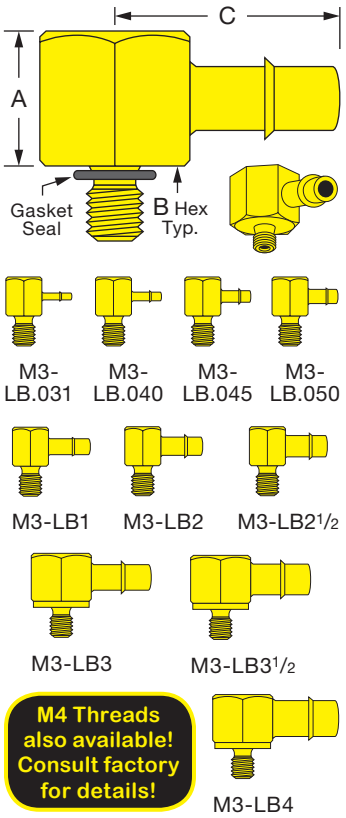
857 M3x0.5 Male Thread to Elbows with Rubber Gasket Supplied

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	M3-LB.031	M3-LB.031-SS	M3-LB.031-316SS	M3-LB.031-NP	13/64	3/16	1/4
.040 / 1mm	M3-LB.040	M3-LB.040-SS	M3-LB.040-316SS	M3-LB.040-NP	13/64	3/16	1/4
3/64	M3-LB.045	M3-LB.045-SS	M3-LB.045-316SS	M3-LB.045-NP	13/64	3/16	1/4
.050	M3-LB.050	M3-LB.050-SS	M3-LB.050-316SS	M3-LB.050-NP	13/64	3/16	1/4
1/16	M3-LB1	M3-LB1-SS	M3-LB1-316SS	M3-LB1-NP	13/64	3/16	5/16
5/64 / 2mm	M3-LB2	M3-LB2-SS	M3-LB2-316SS	M3-LB2-NP	13/64	3/16	5/16
3/32	M3-LB2 1/2	M3-LB2 1/2-SS	M3-LB2 1/2-316SS	M3-LB2 1/2-NP	13/64	3/16	5/16
1/8	M3-LB3	M3-LB3-SS	M3-LB3-316SS	M3-LB3-NP	9/32	5/16	15/32
5/32 / 4mm	M3-LB3 1/2	M3-LB3 1/2-SS	M3-LB3 1/2-316SS	M3-LB3 1/2-NP	9/32	5/16	15/32
.170	M3-LB4	M3-LB4-SS	M3-LB4-316SS	M3-LB4-NP	9/32	5/16	1/2

M3x0.5 Elbows available with Captive Rubber Gasket installed! Consult factory for details!



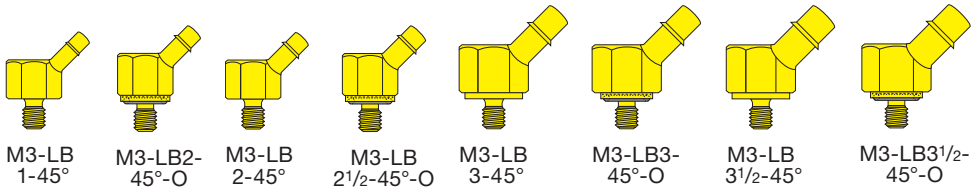
M3-LB .050-O-1/4 | M3-LB1-O-1/4 | M3-LB2-O-1/4 | M3-LB2 1/2-O-1/4 | M3-LB3-O-1/4 | M3-LB3 1/2-O-1/4 | M3-LB4-O-1/4



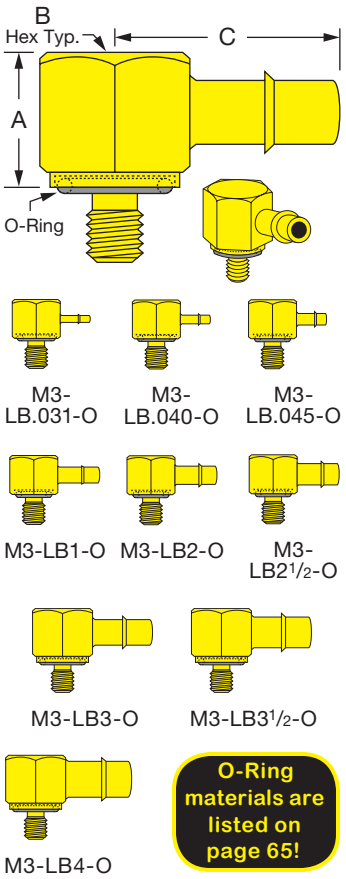
858 M3x0.5 Male Thread to Elbows with O-Ring Seal Installed

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	M3-LB.031-O	M3-LB.031-O-SS	M3-LB.031-O-316SS	M3-LB.031-O-NP	13/64	1/4	9/32
.040 / 1mm	M3-LB.040-O	M3-LB.040-O-SS	M3-LB.040-O-316SS	M3-LB.040-O-NP	13/64	1/4	9/32
3/64	M3-LB.045	M3-LB.045-O-SS	M3-LB.045-O-316SS	M3-LB.045-O-NP	13/64	1/4	9/32
.050	M3-LB.050-O	M3-LB.050-O-SS	M3-LB.050-O-316SS	M3-LB.050-O-NP	13/64	1/4	9/32
1/16	M3-LB1-O	M3-LB1-O-SS	M3-LB1-O-316SS	M3-LB1-O-NP	13/64	1/4	11/32
5/64 / 2mm	M3-LB2-O	M3-LB2-O-SS	M3-LB2-O-316SS	M3-LB2-O-NP	13/64	1/4	11/32
3/32	M3-LB2 1/2-O	M3-LB2 1/2-O-SS	M3-LB2 1/2-O-316SS	M3-LB2 1/2-O-NP	13/64	1/4	11/32
1/8	M3-LB3-O	M3-LB3-O-SS	M3-LB3-O-316SS	M3-LB3-O-NP	9/32	5/16	15/32
5/32 / 4mm	M3-LB3 1/2-O	M3-LB3 1/2-O-SS	M3-LB3 1/2-O-316SS	M3-LB3 1/2-O-NP	9/32	5/16	15/32
.170	M3-LB4-O	M3-LB4-O-SS	M3-LB4-O-316SS	M3-LB4-O-NP	9/32	5/16	1/2

M3x0.5 Male Thread to Tube 45° Elbows also available! Consult factory for details!

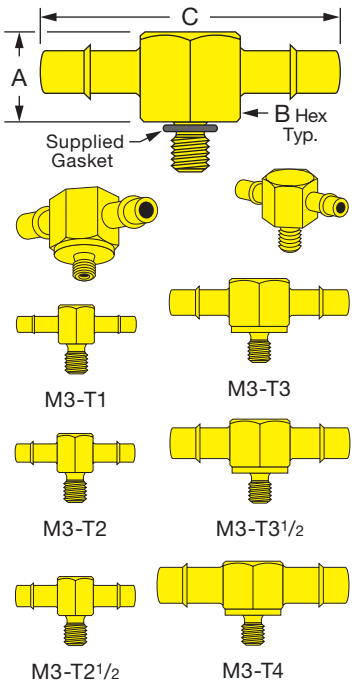


M3-LB 1-45° | M3-LB2-45°-O | M3-LB 2-45° | M3-LB 2 1/2-45°-O | M3-LB 3-45° | M3-LB3-45°-O | M3-LB 3 1/2-45° | M3-LB3 1/2-45°-O



K2

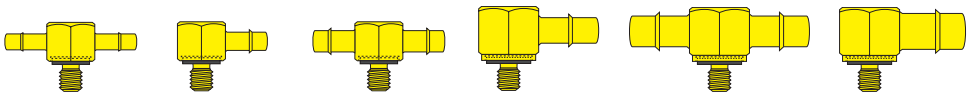
M3x0.5 Male Thread to Tees with Rubber Gasket Supplied 859



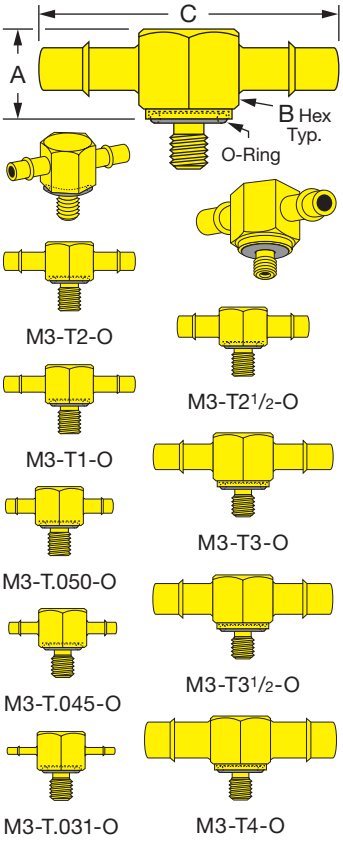
M4 Threads also available! Consult factory for details!

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	M3-T.031	M3-T.031-SS	M3-T.031-316SS	M3-T.031-NP	13/64	1/4	9/16
.040 / 1mm	M3-T.040	M3-T.040-SS	M3-T.040-316SS	M3-T.040-NP	13/64	1/4	9/16
3/64	M3-T.045	M3-T.045-SS	M3-T.045-316SS	M3-T.045-NP	13/64	1/4	9/16
.050	M3-T.050	M3-T.050-SS	M3-T.050-316SS	M3-T.050-NP	13/64	1/4	9/16
1/16	M3-T1	M3-T1-SS	M3-T1-316SS	M3-T1-NP	13/64	1/4	11/16
5/64 / 2mm	M3-T2	M3-T2-SS	M3-T2-316SS	M3-T2-NP	13/64	1/4	11/16
3/32	M3-T2½	M3-T2½-SS	M3-T2½-316SS	M3-T2½-NP	13/64	1/4	11/16
1/8	M3-T3	M3-T3-SS	M3-T3-316SS	M3-T3-NP	9/32	5/16	15/16
5/32 / 4mm	M3-T3½	M3-T3½-SS	M3-T3½-316SS	M3-T3½-NP	9/32	5/16	15/16
.170	M3-T4	M3-T4-SS	M3-T4-316SS	M3-T4-NP	9/32	5/16	1

M3 fittings available with Captive Rubber Gaskets installed! Consult factory for details!



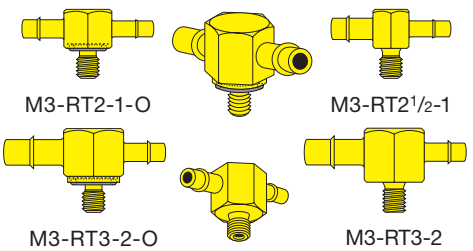
M3x0.5 Male Thread to Tees with O-Ring Seal Installed 860



O-Ring options on page 65!

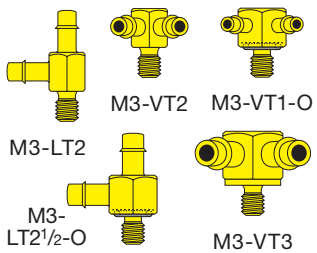
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	M3-T.031-O	M3-T.031-O-SS	M3-T.031-O-316SS	M3-T.031-O-NP	13/64	1/4	9/16
.040 / 1mm	M3-T.040-O	M3-T.040-O-SS	M3-T.040-O-316SS	M3-T.040-O-NP	13/64	1/4	9/16
3/64	M3-T.045	M3-T.045-O-SS	M3-T.045-O-316SS	M3-T.045-O-NP	13/64	1/4	9/16
.050	M3-T.050-O	M3-T.050-O-SS	M3-T.050-O-316SS	M3-T.050-O-NP	13/64	1/4	9/16
1/16	M3-T1-O	M3-T1-O-SS	M3-T1-O-316SS	M3-T1-O-NP	13/64	1/4	11/16
5/64 / 2mm	M3-T2-O	M3-T2-O-SS	M3-T2-O-316SS	M3-T2-O-NP	13/64	1/4	11/16
3/32	M3-T2½-O	M3-T2½-O-SS	M3-T2½-O-316SS	M3-T2½-O-NP	13/64	1/4	11/16
1/8	M3-T3-O	M3-T3-O-SS	M3-T3-O-316SS	M3-T3-O-NP	9/32	5/16	15/16
5/32 / 4mm	M3-T3½-O	M3-T3½-O-SS	M3-T3½-O-316SS	M3-T3½-O-NP	9/32	5/16	15/16
.170	M3-T4-O	M3-T4-O-SS	M3-T4-O-316SS	M3-T4-O-NP	9/32	5/16	1

M3 Thread Reducing Tees available!



Lead times and minimum quantities apply! Consult factory for details!

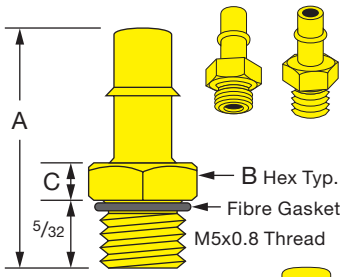
Other M3 options available!

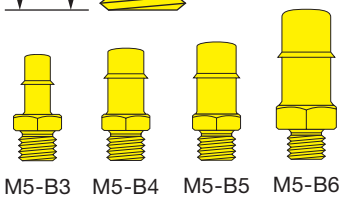


K2

861 M5x0.8 Male Thread to Tube with Fibre Gasket Supplied

Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	M5-B.031	M5-B.031-SS	M5-B.031-316SS	M5-B.031-AL	M5-B.031-NP	25/64	1/4	.085
.040 / 1mm	M5-B.040	M5-B.040-SS	M5-B.040-316SS	M5-B.040-AL	M5-B.040-NP	25/64	1/4	.085
3/64	M5-B.045	M5-B.045-SS	M5-B.045-316SS	M5-B.045-AL	M5-B.045-NP	25/64	1/4	.085
.050	M5-B.050	M5-B.050-SS	M5-B.050-316SS	M5-B.050-AL	M5-B.050-NP	25/64	1/4	.085
1/16	M5-B1	M5-B1-SS	M5-B1-316SS	M5-B1-AL	M5-B1-NP	29/64	1/4	.085
5/64 / 2mm	M5-B2	M5-B2-SS	M5-B2-316SS	M5-B2-AL	M5-B2-NP	29/64	1/4	.085
3/32	M5-B2 1/2	M5-B2 1/2-SS	M5-B2 1/2-316SS	M5-B2 1/2-AL	M5-B2 1/2-NP	29/64	1/4	.085
1/8	M5-B3	M5-B3-SS	M5-B3-316SS	M5-B3-AL	M5-B3-NP	35/64	1/4	.085
5/32 / 4mm	M5-B3 1/2	M5-B3 1/2-SS	M5-B3 1/2-316SS	M5-B3 1/2-AL	M5-B3 1/2-NP	35/64	1/4	.085
.170	M5-B4	M5-B4-SS	M5-B4-316SS	M5-B4-AL	M5-B4-NP	37/64	1/4	.085
3/16	M5-B5	M5-B5-SS	M5-B5-316SS	M5-B5-AL	M5-B5-NP	39/64	1/4	.085
7/32	M5-B5 1/2	M5-B5 1/2-SS	M5-B5 1/2-316SS	M5-B5 1/2-AL	M5-B5 1/2-NP	39/64	5/16	.085
6mm	M5-B5 3/4	M5-B5 3/4-SS	M5-B5 3/4-316SS	M5-B5 3/4-AL	M5-B5 3/4-NP	25/32	5/16	.085
1/4	M5-B6	M5-B6-SS	M5-B6-316SS	M5-B6-AL	M5-B6-NP	25/32	5/16	1/8
5/16 / 8mm	M5-B7	M5-B7-SS	M5-B7-316SS	M5-B7-AL	M5-B7-NP	29/32	3/8	1/8
3/8	M5-B8	M5-B8-SS	M5-B8-316SS	M5-B8-AL	M5-B8-NP	13/16	7/16	1/8





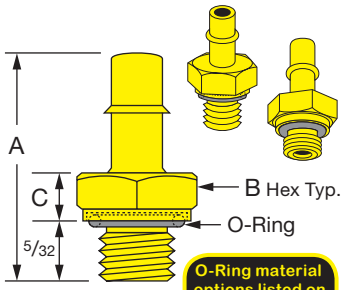




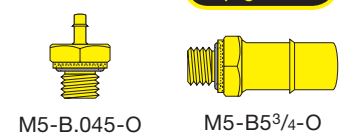
Also available with Captive Rubber Gaskets installed!

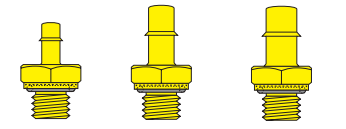
862 M5x0.8 Male Thread to Tube with O-Ring Seal Installed

Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	M5-B.031-O	M5-B.031-O-SS	M5-B.031-O-316SS	M5-B.031-O-AL	M5-B.031-O-NP	7/16	5/16	1/8
.040 / 1mm	M5-B.040-O	M5-B.040-O-SS	M5-B.040-O-316SS	M5-B.040-O-AL	M5-B.040-O-NP	7/16	5/16	1/8
3/64	M5-B.045-O	M5-B.045-O-SS	M5-B.045-O-316SS	M5-B.045-O-AL	M5-B.045-O-NP	7/16	5/16	1/8
.050	M5-B.050-O	M5-B.050-O-SS	M5-B.050-O-316SS	M5-B.050-O-AL	M5-B.050-O-NP	7/16	5/16	1/8
1/16	M5-B1-O	M5-B1-O-SS	M5-B1-O-316SS	M5-B1-O-AL	M5-B1-O-NP	1/2	5/16	1/8
5/64 / 2mm	M5-B2-O	M5-B2-O-SS	M5-B2-O-316SS	M5-B2-O-AL	M5-B2-O-NP	1/2	5/16	1/8
3/32	M5-B2 1/2-O	M5-B2 1/2-O-SS	M5-B2 1/2-O-316SS	M5-B2 1/2-O-AL	M5-B2 1/2-O-NP	1/2	5/16	1/8
1/8	M5-B3-O	M5-B3-O-SS	M5-B3-O-316SS	M5-B3-O-AL	M5-B3-O-NP	19/32	5/16	1/8
5/32 / 4mm	M5-B3 1/2-O	M5-B3 1/2-O-SS	M5-B3 1/2-O-316SS	M5-B3 1/2-O-AL	M5-B3 1/2-O-NP	19/32	5/16	1/8
.170	M5-B4-O	M5-B4-O-SS	M5-B4-O-316SS	M5-B4-O-AL	M5-B4-O-NP	5/8	5/16	1/8
3/16	M5-B5-O	M5-B5-O-SS	M5-B5-O-316SS	M5-B5-O-AL	M5-B5-O-NP	21/32	5/16	1/8
7/32	M5-B5 1/2-O	M5-B5 1/2-O-SS	M5-B5 1/2-O-316SS	M5-B5 1/2-O-AL	M5-B5 1/2-O-NP	21/32	5/16	1/8
6mm	M5-B5 3/4-O	M5-B5 3/4-O-SS	M5-B5 3/4-O-316SS	M5-B5 3/4-O-AL	M5-B5 3/4-O-NP	25/32	5/16	1/8
1/4	M5-B6-O	M5-B6-O-SS	M5-B6-O-316SS	M5-B6-O-AL	M5-B6-O-NP	25/32	5/16	1/8
5/16 / 8mm	M5-B7-O	M5-B7-O-SS	M5-B7-O-316SS	M5-B7-O-AL	M5-B7-O-NP	1.225	3/8*	3/8*
3/8	M5-B8-O	M5-B8-O-SS	M5-B8-O-316SS	M5-B8-O-AL	M5-B8-O-NP	*Consult Factory*		

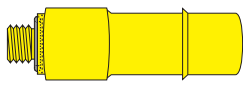


O-Ring material options listed on page 65!



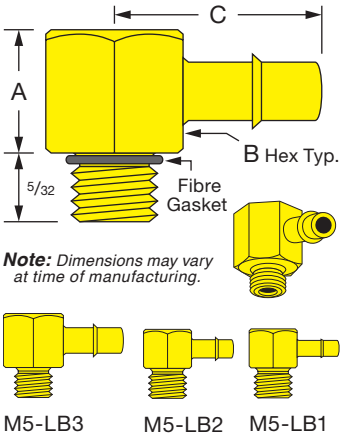


***M5-B7-O & M5-B8-O are only available with Square Bodies!**



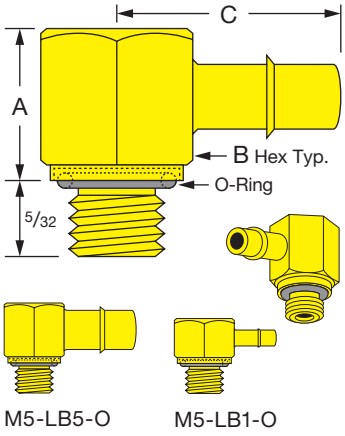
K2

M5x0.8 Male Thread to Tube Elbows with Fibre Gasket Supplied 863



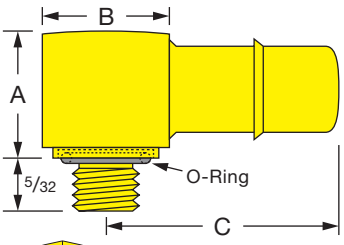
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	M5-LB1	M5-LB1-SS	M5-LB1-316SS	M5-LB1-NP	13/64	1/4	11/32
5/64 / 2mm	M5-LB2	M5-LB2-SS	M5-LB2-316SS	M5-LB2-NP	13/64	1/4	11/32
3/32	M5-LB2 1/2	M5-LB2 1/2-SS	M5-LB2 1/2-316SS	M5-LB2 1/2-NP	13/64	1/4	11/32
1/8	M5-LB3	M5-LB3-SS	M5-LB3-316SS	M5-LB3-NP	9/32	5/16	15/32
5/32 / 4mm	M5-LB3 1/2	M5-LB3 1/2-SS	M5-LB3 1/2-316SS	M5-LB3 1/2-NP	9/32	5/16	15/32
.170	M5-LB4	M5-LB4-SS	M5-LB4-316SS	M5-LB4-NP	9/32	5/16	1/2
3/16	M5-LB5	M5-LB5-SS	M5-LB5-316SS	M5-LB5-NP	9/32	5/16	17/32

M5x0.8 Male Thread to Tube Elbows with O-Ring Seal Installed 864

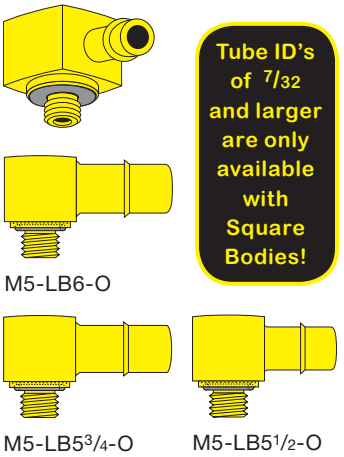


Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	M5-LB1-O	M5-LB1-O-SS	M5-LB1-O-316SS	M5-LB1-O-NP	15/64	5/16	3/8
5/64 / 2mm	M5-LB2-O	M5-LB2-O-SS	M5-LB2-O-316SS	M5-LB2-O-NP	15/64	5/16	3/8
3/32	M5-LB2 1/2-O	M5-LB2 1/2-O-SS	M5-LB2 1/2-O-316SS	M5-LB2 1/2-O-NP	15/64	5/16	3/8
1/8	M5-LB3-O	M5-LB3-O-SS	M5-LB3-O-316SS	M5-LB3-O-NP	5/16	5/16	15/32
5/32 / 4mm	M5-LB3 1/2-O	M5-LB3 1/2-O-SS	M5-LB3 1/2-O-316SS	M5-LB3 1/2-O-NP	5/16	5/16	15/32
.170	M5-LB4-O	M5-LB4-O-SS	M5-LB4-O-316SS	M5-LB4-O-NP	5/16	5/16	1/2
3/16	M5-LB5-O	M5-LB5-O-SS	M5-LB5-O-316SS	M5-LB5-O-NP	5/16	5/16	17/32

M5x0.8 Male Thread to Tube Elbows (Square Body) with O-Ring Seal Installed 865

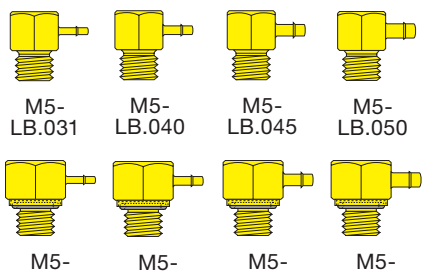


Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Ref.	C Ref.
7/32	M5-LB5 1/2-O	M5-LB5 1/2-O-SS	M5-LB5 1/2-O-316SS	M5-LB5 1/2-O-NP	3/8	3/8	9/16
6mm	M5-LB5 3/4-O	M5-LB5 3/4-O-SS	M5-LB5 3/4-O-316SS	M5-LB5 3/4-O-NP	3/8	3/8	11/16
1/4	M5-LB6-O	M5-LB6-O-SS	M5-LB6-O-316SS	M5-LB6-O-NP	3/8	3/8	11/16

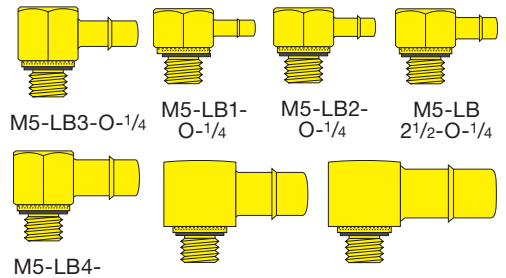


Tube ID's of 7/32 and larger are only available with Square Bodies!

Smaller Tube ID's also available!



Captive Rubber Gaskets options available!

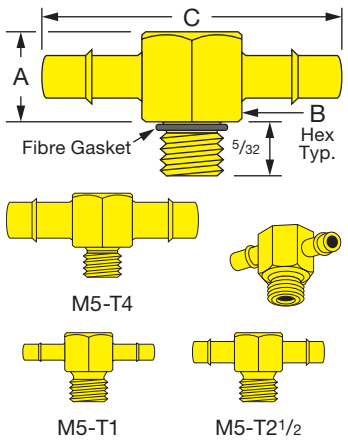


O-Ring options are listed on page 65! **Consult factory for details!** **M4 Thread Elbows available!**

K2

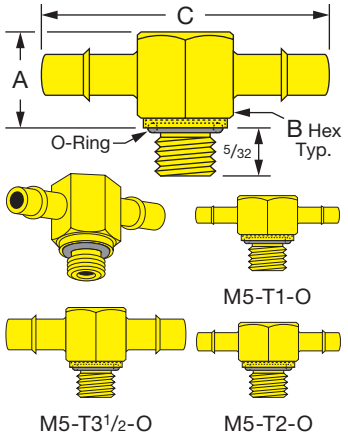
866 M5x0.8 Male Thread to Tube Tees with Fibre Gasket Supplied

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	M5-T1	M5-T1-SS	M5-T1-316SS	M5-T1-NP	13/64	1/4	11/16
5/64 / 2mm	M5-T2	M5-T2-SS	M5-T2-316SS	M5-T2-NP	13/64	1/4	11/16
3/32	M5-T2 1/2	M5-T2 1/2-SS	M5-T2 1/2-316SS	M5-T2 1/2-NP	13/64	1/4	11/16
1/8	M5-T3	M5-T3-SS	M5-T3-316SS	M5-T3-NP	9/32	5/16	15/16
5/32 / 4mm	M5-T3 1/2	M5-T3 1/2-SS	M5-T3 1/2-316SS	M5-T3 1/2-NP	9/32	5/16	15/16
.170	M5-T4	M5-T4-SS	M5-T4-316SS	M5-T4-NP	9/32	5/16	1
3/16	M5-T5	M5-T5-SS	M5-T5-316SS	M5-T5-NP	9/32	5/16	1 1/16



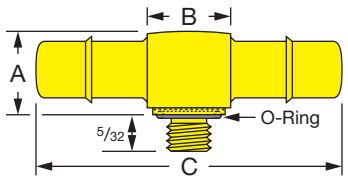
867 M5x0.8 Male Thread to Tube Tees with O-Ring Seal Installed

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	M5-T1-O	M5-T1-O-SS	M5-T1-O-316SS	M5-T1-O-NP	15/64	5/16	3/4
5/64 / 2mm	M5-T2-O	M5-T2-O-SS	M5-T2-O-316SS	M5-T2-O-NP	15/64	5/16	3/4
3/32	M5-T2 1/2-O	M5-T2 1/2-O-SS	M5-T2 1/2-O-316SS	M5-T2 1/2-O-NP	15/64	5/16	3/4
1/8	M5-T3-O	M5-T3-O-SS	M5-T3-O-316SS	M5-T3-O-NP	5/16	5/16	15/16
5/32 / 4mm	M5-T3 1/2-O	M5-T3 1/2-O-SS	M5-T3 1/2-O-316SS	M5-T3 1/2-O-NP	5/16	5/16	15/16
.170	M5-T4-O	M5-T4-O-SS	M5-T4-O-316SS	M5-T4-O-NP	5/16	5/16	1
3/16	M5-T5-O	M5-T5-O-SS	M5-T5-O-316SS	M5-T5-O-NP	5/16	5/16	1 1/16



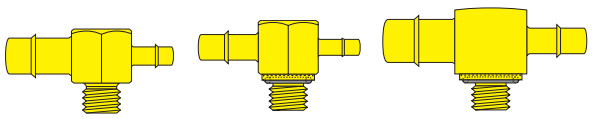
868 M5x0.8 Male Thread to Tube Tees (Square Body) with O-Ring Seal Installed

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Ref.	
7/32	M5-T5 1/2-O	M5-T5 1/2-O-SS	M5-T5 1/2-O-316SS	M5-T5 1/2-O-NP	3/8	3/8	1 1/4
6mm	M5-T5 3/4-O	M5-T5 3/4-O-SS	M5-T5 3/4-O-316SS	M5-T5 3/4-O-NP	3/8	3/8	1 3/8
1/4	M5-T6-O	M5-T6-O-SS	M5-T6-O-316SS	M5-T6-O-NP	3/8	3/8	1 3/8



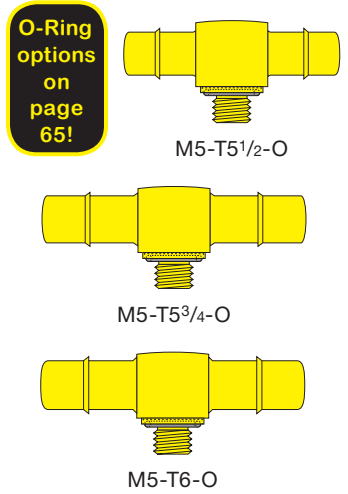
Lead times and minimum quantities apply! Consult factory for details!

M5 Thread Reducing Tees also available!

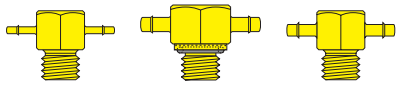


Tube ID's of 7/32 and larger are only available with Square Bodies!

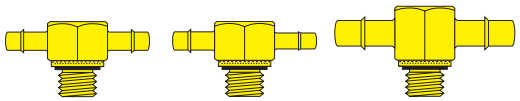
O-Ring options on page 65!



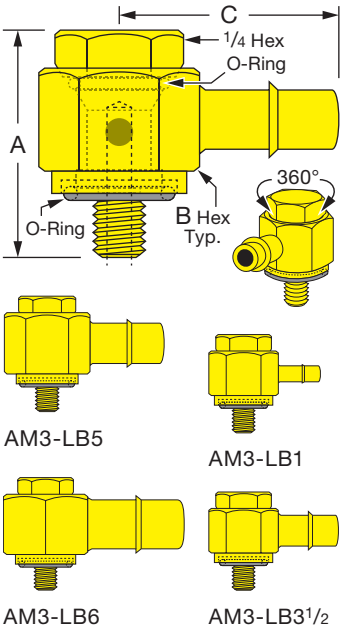
Smaller Tube ID's available!



Captive Rubber Gasket options available!



M3x0.5 Male Thread to Tube Adjustable Elbows 869

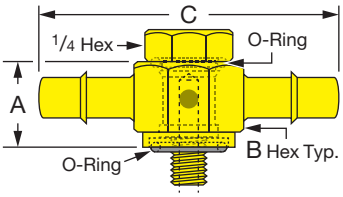


Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	AM3-LB1	AM3-LB1-SS	AM3-LB1-316SS	AM3-LB1-NP	33/64	5/16	25/64
5/64 / 2mm	AM3-LB2	AM3-LB2-SS	AM3-LB2-316SS	AM3-LB2-NP	33/64	5/16	25/64
3/32	AM3-LB2 1/2	AM3-LB2 1/2-SS	AM3-LB2 1/2-316SS	AM3-LB2 1/2-NP	33/64	5/16	25/64
1/8	AM3-LB3	AM3-LB3-SS	AM3-LB3-316SS	AM3-LB3-NP	33/64	5/16	33/64
5/32 / 4mm	AM3-LB3 1/2	AM3-LB3 1/2-SS	AM3-LB3 1/2-316SS	AM3-LB3 1/2-NP	33/64	5/16	33/64
.170	AM3-LB4	AM3-LB4-SS	AM3-LB4-316SS	AM3-LB4-NP	19/32	3/8	17/32
3/16	AM3-LB5	AM3-LB5-SS	AM3-LB5-316SS	AM3-LB5-NP	19/32	3/8	9/16
7/32	AM3-LB5 1/2	AM3-LB5 1/2-SS	AM3-LB5 1/2-316SS	AM3-LB5 1/2-NP	19/32	3/8	9/16
6mm	AM3-LB5 3/4	AM3-LB5 3/4-SS	AM3-LB5 3/4-316SS	AM3-LB5 3/4-NP	19/32	7/16	23/32
1/4	AM3-LB6	AM3-LB6-SS	AM3-LB6-316SS	AM3-LB6-NP	19/32	7/16	23/32

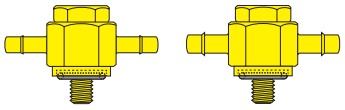
Anodized Aluminum options available! See page 488 for details!

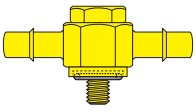
O-Ring options listed on page 65!

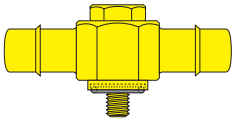
M3x0.5 Male Thread to Tube Adjustable Tees 870



Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	AM3-T1	AM3-T1-SS	AM3-T1-316SS	AM3-T1-NP	33/64	5/16	25/32
5/64 / 2mm	AM3-T2	AM3-T2-SS	AM3-T2-316SS	AM3-T2-NP	33/64	5/16	25/32
3/32	AM3-T2 1/2	AM3-T2 1/2-SS	AM3-T2 1/2-316SS	AM3-T2 1/2-NP	33/64	5/16	25/32
1/8	AM3-T3	AM3-T3-SS	AM3-T3-316SS	AM3-T3-NP	33/64	5/16	1 1/32
5/32 / 4mm	AM3-T3 1/2	AM3-T3 1/2-SS	AM3-T3 1/2-316SS	AM3-T3 1/2-NP	33/64	5/16	1 1/32
.170	AM3-T4	AM3-T4-SS	AM3-T4-316SS	AM3-T4-NP	19/32	3/8	1 1/8
3/16	AM3-T5	AM3-T5-SS	AM3-T5-316SS	AM3-T5-NP	19/32	3/8	1 3/16
7/32	AM3-T5 1/2	AM3-T5 1/2-SS	AM3-T5 1/2-316SS	AM3-T5 1/2-NP	19/32	3/8	1 3/16
6mm	AM3-T5 3/4	AM3-T5 3/4-SS	AM3-T5 3/4-316SS	AM3-T5 3/4-NP	19/32	7/16	1 7/16
1/4	AM3-T6	AM3-T6-SS	AM3-T6-316SS	AM3-T6-NP	19/32	7/16	1 7/16


AM3-T1 AM3-T2

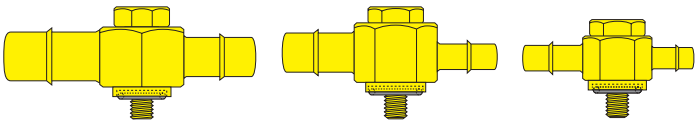

AM3-T3


AM3-T5 1/2

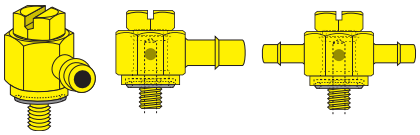
O-Ring material options are listed on page 65!

Lead times and minimum quantities apply! Consult factory for details!

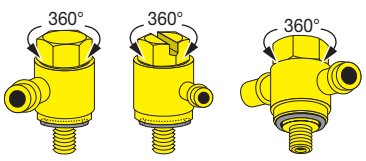
M3 Thread Reducing Tees available! Consult factory for details!


AM3-RT6-5 AM3-RT5-3 AM3-RT3-2 1/2

M3 Thread Slotted Bolts available!

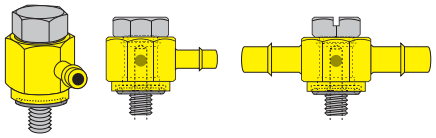


Round Body options available!



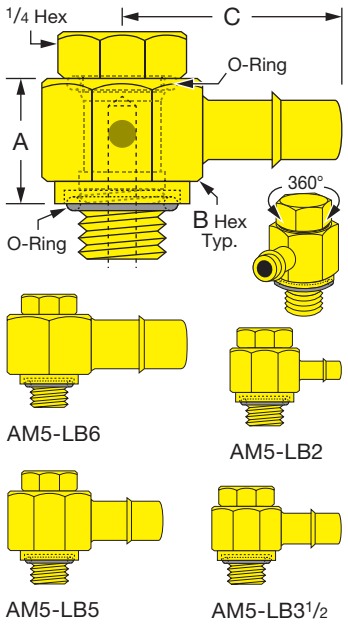
M3 Thread Stainless Steel Bolts available!

See page 523!



871 M5x0.8 Male Thread to Tube Adjustable Elbows

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	AM5-LB1	AM5-LB1-SS	AM5-LB1-316SS	AM5-LB1-NP	33/64	5/16	25/64
5/64 / 2mm	AM5-LB2	AM5-LB2-SS	AM5-LB2-316SS	AM5-LB2-NP	33/64	5/16	25/64
3/32	AM5-LB2 1/2	AM5-LB2 1/2-SS	AM5-LB2 1/2-316SS	AM5-LB2 1/2-NP	33/64	5/16	25/64
1/8	AM5-LB3	AM5-LB3-SS	AM5-LB3-316SS	AM5-LB3-NP	33/64	5/16	33/64
5/32 / 4mm	AM5-LB3 1/2	AM5-LB3 1/2-SS	AM5-LB3 1/2-316SS	AM5-LB3 1/2-NP	33/64	5/16	33/64
.170	AM5-LB4	AM5-LB4-SS	AM5-LB4-316SS	AM5-LB4-NP	19/32	3/8	17/32
3/16	AM5-LB5	AM5-LB5-SS	AM5-LB5-316SS	AM5-LB5-NP	19/32	3/8	9/16
7/32	AM5-LB5 1/2	AM5-LB5 1/2-SS	AM5-LB5 1/2-316SS	AM5-LB5 1/2-NP	19/32	3/8	9/16
6mm	AM5-LB5 3/4	AM5-LB5 3/4-SS	AM5-LB5 3/4-316SS	AM5-LB5 3/4-NP	19/32	7/16	23/32
1/4	AM5-LB6	AM5-LB6-SS	AM5-LB6-316SS	AM5-LB6-NP	19/32	7/16	23/32

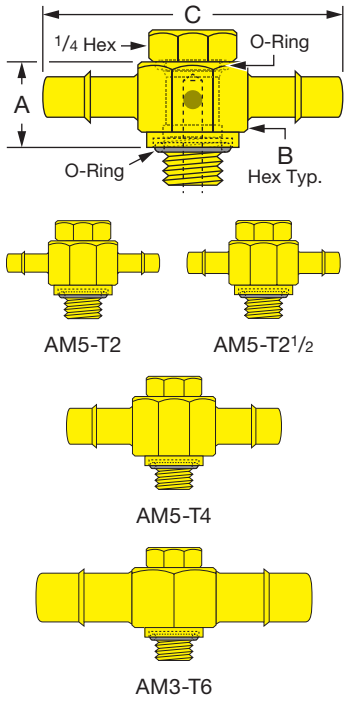


Anodized Aluminum options available! See page 488 for details!

O-Ring options on page 65!

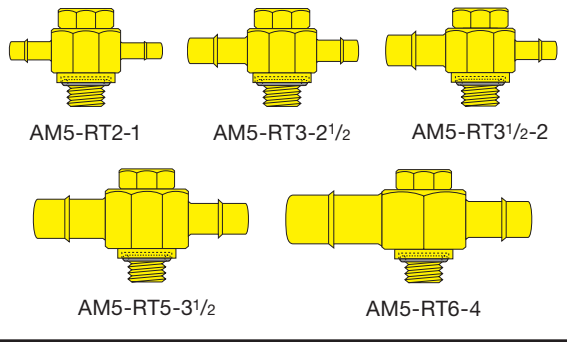
872 M5x0.8 Male Thread to Tube Adjustable Tees

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	AM5-T1	AM5-T1-SS	AM5-T1-316SS	AM5-T1-NP	33/64	5/16	25/32
5/64 / 2mm	AM5-T2	AM5-T2-SS	AM5-T2-316SS	AM5-T2-NP	33/64	5/16	25/32
3/32	AM5-T2 1/2	AM5-T2 1/2-SS	AM5-T2 1/2-316SS	AM5-T2 1/2-NP	33/64	5/16	25/32
1/8	AM5-T3	AM5-T3-SS	AM5-T3-316SS	AM5-T3-NP	33/64	5/16	1 1/32
5/32 / 4mm	AM5-T3 1/2	AM5-T3 1/2-SS	AM5-T3 1/2-316SS	AM5-T3 1/2-NP	33/64	5/16	1 1/32
.170	AM5-T4	AM5-T4-SS	AM5-T4-316SS	AM5-T4-NP	19/32	3/8	1 1/8
3/16	AM5-T5	AM5-T5-SS	AM5-T5-316SS	AM5-T5-NP	19/32	3/8	1 3/16
7/32	AM5-T5 1/2	AM5-T5 1/2-SS	AM5-T5 1/2-316SS	AM5-T5 1/2-NP	19/32	3/8	1 3/16
6mm	AM5-T5 3/4	AM5-T5 3/4-SS	AM5-T5 3/4-316SS	AM5-T5 3/4-NP	19/32	7/16	1 7/16
1/4	AM5-T6	AM5-T6-SS	AM5-T6-316SS	AM5-T6-NP	19/32	7/16	1 7/16

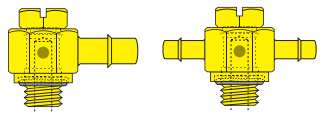


Lead times & minimum quantities apply! Consult factory!

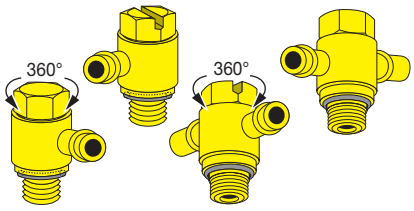
M5 Male Thread Reducing Tees available!



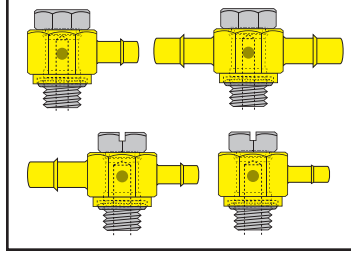
M5 Slotted Bolts available!



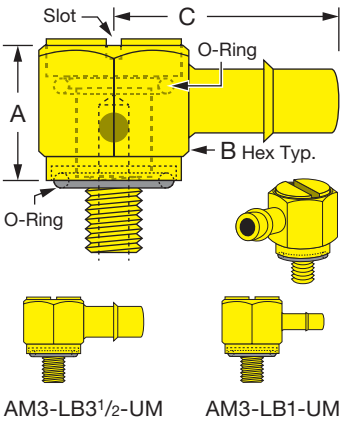
Round Body options available!



Stainless Steel Bolts available! See page 523!



M3 Ultra-Miniature Elbows with Hex Body 873



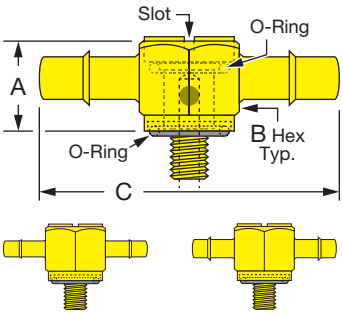
AM3-LB3½-UM AM3-LB1-UM

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	AM3-LB1-UM	AM3-LB1-UM-SS	AM3-LB1-UM-316SS	AM3-LB1-UM-NP	9/32	5/16	3/8
5/64 / 2mm	AM3-LB2-UM	AM3-LB2-UM-SS	AM3-LB2-UM-316SS	AM3-LB2-UM-NP	9/32	5/16	3/8
3/32	AM3-LB2½-UM	AM3-LB2½-UM-SS	AM3-LB2½-UM-316SS	AM3-LB2½-UM-NP	9/32	5/16	3/8
1/8	AM3-LB3-UM	AM3-LB3-UM-SS	AM3-LB3-UM-316SS	AM3-LB3-UM-NP	9/32	5/16	15/32
5/32 / 4mm	AM3-LB3½-UM	AM3-LB3½-UM-SS	AM3-LB3½-UM-316SS	AM3-LB3½-UM-NP	9/32	5/16	15/32

Anodized Aluminum options available! See page 488 for details!

O-Ring options listed on page 65!

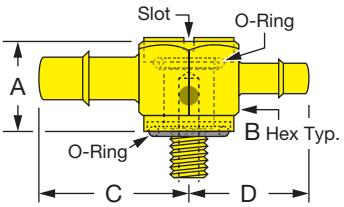
M3 Ultra-Miniature Tees with Hex Body 874



AM3-T1-UM AM3-T2-UM

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	AM3-T1-UM	AM3-T1-UM-SS	AM3-T1-UM-316SS	AM3-T1-UM-NP	9/32	5/16	3/4
5/64 / 2mm	AM3-T2-UM	AM3-T2-UM-SS	AM3-T2-UM-316SS	AM3-T2-UM-NP	9/32	5/16	3/4
3/32	AM3-T2½-UM	AM3-T2½-UM-SS	AM3-T2½-UM-316SS	AM3-T2½-UM-NP	9/32	5/16	3/4
1/8	AM3-T3-UM	AM3-T3-UM-SS	AM3-T3-UM-316SS	AM3-T3-UM-NP	9/32	5/16	15/16
5/32 / 4mm	AM3-T3½-UM	AM3-T3½-UM-SS	AM3-T3½-UM-316SS	AM3-T3½-UM-NP	9/32	5/16	15/16

M3 Ultra-Miniature Reducing Tees with Hex Body 875



AM3-RT2-1-UM

AM3-RT2½-1-UM AM3-RT3-1-UM

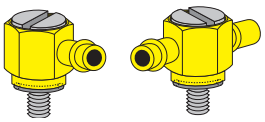
AM3-RT2½-2-UM AM3-RT3-2-UM

AM3-RT3½-3-UM

Tube ID		Part Numbers				Dimensions (Reference)			
Larger Branch	Smaller Branch	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
5/64 / 2mm	1/16	AM3-RT2-1-UM	AM3-RT2-1-UM-SS	AM3-RT2-1-UM-316SS	AM3-RT2-1-UM-NP	9/32	5/16	3/8	3/8
3/32	1/16	AM3-RT2½-1-UM	AM3-RT2½-1-UM-SS	AM3-RT2½-1-UM-316SS	AM3-RT2½-1-UM-NP	9/32	5/16	3/8	3/8
3/32	5/64 / 2mm	AM3-RT2½-2-UM	AM3-RT2½-2-UM-SS	AM3-RT2½-2-UM-316SS	AM3-RT2½-2-UM-NP	9/32	5/16	3/8	3/8
1/8	1/16	AM3-RT3-1-UM	AM3-RT3-1-UM-SS	AM3-RT3-1-UM-316SS	AM3-RT3-1-UM-NP	9/32	5/16	15/32	3/8
1/8	5/64 / 2mm	AM3-RT3-2-UM	AM3-RT3-2-UM-SS	AM3-RT3-2-UM-316SS	AM3-RT3-2-UM-NP	9/32	5/16	15/32	3/8
1/8	3/32	AM3-RT3-2½-UM	AM3-RT3-2½-UM-SS	AM3-RT3-2½-UM-316SS	AM3-RT3-2½-UM-NP	9/32	5/16	15/32	3/8
5/32 / 4mm	1/16	AM3-RT3½-1-UM	AM3-RT3½-1-UM-SS	AM3-RT3½-1-UM-316SS	AM3-RT3½-1-UM-NP	9/32	5/16	15/32	3/8
5/32 / 4mm	5/64 / 2mm	AM3-RT3½-2-UM	AM3-RT3½-2-UM-SS	AM3-RT3½-2-UM-316SS	AM3-RT3½-2-UM-NP	9/32	5/16	15/32	3/8
5/32 / 4mm	3/32	AM3-RT3½-2½-UM	AM3-RT3½-2½-UM-SS	AM3-RT3½-2½-UM-316SS	AM3-RT3½-2½-UM-NP	9/32	5/16	15/32	3/8
5/32 / 4mm	1/8	AM3-RT3½-3-UM	AM3-RT3½-3-UM-SS	AM3-RT3½-3-UM-316SS	AM3-RT3½-3-UM-NP	9/32	5/16	15/32	15/32

M4 Thread options available!

Stainless Steel Bolts available!

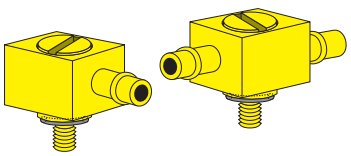


See options on page 523!

Lead times & minimum quantities apply! Consult factory for details!

M3 & M2½ Nano Adjustables available! See page 521!

Square Body options available!

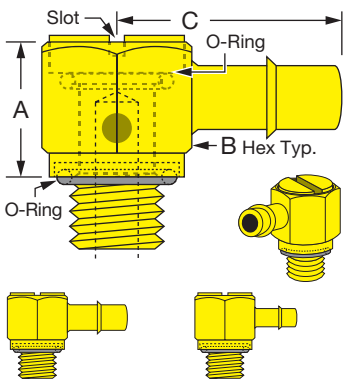


876 M5 Ultra-Miniature Elbows with Hex Body

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	AM5-LB1-UM	AM5-LB1-UM-SS	AM5-LB1-UM-316SS	AM5-LB1-UM-NP	9/32	5/16	3/8
5/64 / 2mm	AM5-LB2-UM	AM5-LB2-UM-SS	AM5-LB2-UM-316SS	AM5-LB2-UM-NP	9/32	5/16	3/8
3/32	AM5-LB2 1/2-UM	AM5-LB2 1/2-UM-SS	AM5-LB2 1/2-UM-316SS	AM5-LB2 1/2-UM-NP	9/32	5/16	3/8
1/8	AM5-LB3-UM	AM5-LB3-UM-SS	AM5-LB3-UM-316SS	AM5-LB3-UM-NP	9/32	5/16	15/32
5/32 / 4mm	AM5-LB3 1/2-UM	AM5-LB3 1/2-UM-SS	AM5-LB3 1/2-UM-316SS	AM5-LB3 1/2-UM-NP	9/32	5/16	15/32

Anodized Aluminum options available! See page 488 for details!

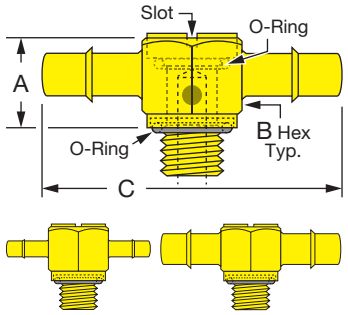
O-Ring options listed on page 65!



AM5-LB3-UM AM5-LB2-UM

877 M5 Ultra-Miniature Tees with Hex Body

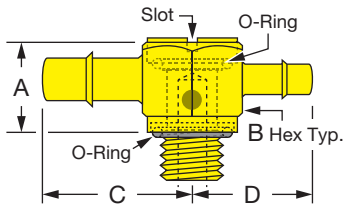
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	AM5-T1-UM	AM5-T1-UM-SS	AM5-T1-UM-316SS	AM5-T1-UM-NP	9/32	5/16	3/8
5/64 / 2mm	AM5-T2-UM	AM5-T2-UM-SS	AM5-T2-UM-316SS	AM5-T2-UM-NP	9/32	5/16	3/8
3/32	AM5-T2 1/2-UM	AM5-T2 1/2-UM-SS	AM5-T2 1/2-UM-316SS	AM5-T2 1/2-UM-NP	9/32	5/16	3/8
1/8	AM5-T3-UM	AM5-T3-UM-SS	AM5-T3-UM-316SS	AM5-T3-UM-NP	9/32	5/16	15/32
5/32 / 4mm	AM5-T3 1/2-UM	AM5-T3 1/2-UM-SS	AM5-T3 1/2-UM-316SS	AM5-T3 1/2-UM-NP	9/32	5/16	15/32



AM5-T1-UM AM5-T3 1/2-UM

878 M5 Ultra-Miniature Reducing Tees with Hex Body

Tube ID		Part Numbers				Dimensions (Reference)			
Larger Branch	Smaller Branch	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
5/64 / 2mm	1/16	AM5-RT2-1-UM	AM5-RT2-1-UM-SS	AM5-RT2-1-UM-316SS	AM5-RT2-1-UM-NP	9/32	5/16	3/8	3/8
3/32	1/16	AM5-RT2 1/2-1-UM	AM5-RT2 1/2-1-UM-SS	AM5-RT2 1/2-1-UM-316SS	AM5-RT2 1/2-1-UM-NP	9/32	5/16	3/8	3/8
3/32	5/64 / 2mm	AM5-RT2 1/2-2-UM	AM5-RT2 1/2-2-UM-SS	AM5-RT2 1/2-2-UM-316SS	AM5-RT2 1/2-2-UM-NP	9/32	5/16	3/8	3/8
1/8	1/16	AM5-RT3-1-UM	AM5-RT3-1-UM-SS	AM5-RT3-1-UM-316SS	AM5-RT3-1-UM-NP	9/32	5/16	15/32	3/8
1/8	5/64 / 2mm	AM5-RT3-2-UM	AM5-RT3-2-UM-SS	AM5-RT3-2-UM-316SS	AM5-RT3-2-UM-NP	9/32	5/16	15/32	3/8
1/8	3/32	AM5-RT3-2 1/2-UM	AM5-RT3-2 1/2-UM-SS	AM5-RT3-2 1/2-UM-316SS	AM5-RT3-2 1/2-UM-NP	9/32	5/16	15/32	3/8
5/32 / 4mm	1/16	AM5-RT3 1/2-1-UM	AM5-RT3 1/2-1-UM-SS	AM5-RT3 1/2-1-UM-316SS	AM5-RT3 1/2-1-UM-NP	9/32	5/16	15/32	3/8
5/32 / 4mm	5/64 / 2mm	AM5-RT3 1/2-2-UM	AM5-RT3 1/2-2-UM-SS	AM5-RT3 1/2-2-UM-316SS	AM5-RT3 1/2-2-UM-NP	9/32	5/16	15/32	3/8
5/32 / 4mm	3/32	AM5-RT3 1/2-2 1/2-UM	AM5-RT3 1/2-2 1/2-UM-SS	AM5-RT3 1/2-2 1/2-UM-316SS	AM5-RT3 1/2-2 1/2-UM-NP	9/32	5/16	15/32	3/8
5/32 / 4mm	1/8	AM5-RT3 1/2-3-UM	AM5-RT3 1/2-3-UM-SS	AM5-RT3 1/2-3-UM-316SS	AM5-RT3 1/2-3-UM-NP	9/32	5/16	15/32	15/32



AM5-RT2-1-UM

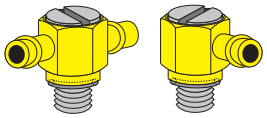
AM5-RT2 1/2-1-UM AM5-RT3-1-UM

AM5-RT2 1/2-2-UM AM5-RT3 1/2-2-UM

AM5-RT3 1/2-3-UM

Smaller branch options available!

Stainless Steel Bolts available!

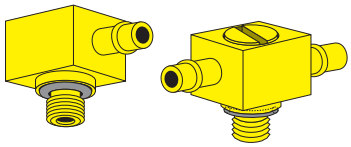


See options on page 523!

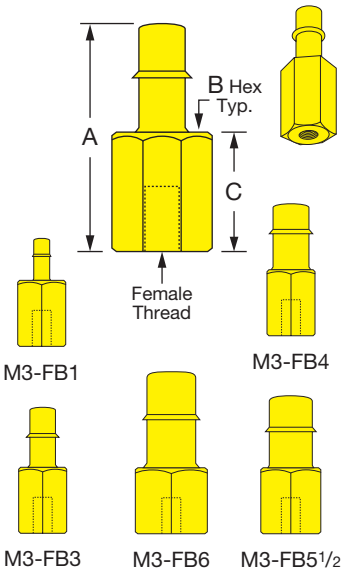
Lead times & minimum quantities apply! Consult factory for details!

M3 & M2 1/2 Nano Adjustables available! See page 521!

Square Body options available!

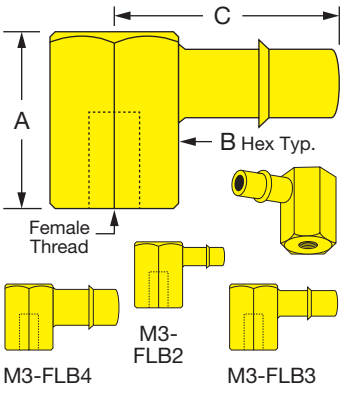


M3x0.5 Female Thread to Tube 879



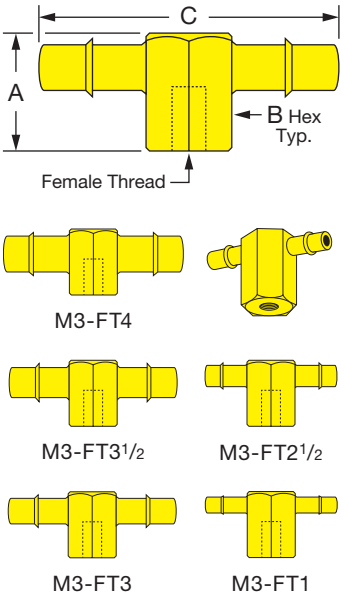
Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	M3-FB1	M3-FB1-SS	M3-FB1-316SS	M3-FB1-AL	M3-FB1-NP	9/16	1/4	11/32
5/64 / 2mm	M3-FB2	M3-FB2-SS	M3-FB2-316SS	M3-FB2-AL	M3-FB2-NP	9/16	1/4	11/32
3/32	M3-FB2 1/2	M3-FB2 1/2-SS	M3-FB2 1/2-316SS	M3-FB2 1/2-AL	M3-FB2 1/2-NP	9/16	1/4	11/32
1/8	M3-FB3	M3-FB3-SS	M3-FB3-316SS	M3-FB3-AL	M3-FB3-NP	21/32	1/4	11/32
5/32 / 4mm	M3-FB3 1/2	M3-FB3 1/2-SS	M3-FB3 1/2-316SS	M3-FB3 1/2-AL	M3-FB3 1/2-NP	21/32	1/4	11/32
.170	M3-FB4	M3-FB4-SS	M3-FB4-316SS	M3-FB4-AL	M3-FB4-NP	21/32	1/4	11/32
3/16	M3-FB5	M3-FB5-SS	M3-FB5-316SS	M3-FB5-AL	M3-FB5-NP	23/32	7/16	11/32
7/32	M3-FB5 1/2	M3-FB5 1/2-SS	M3-FB5 1/2-316SS	M3-FB5 1/2-AL	M3-FB5 1/2-NP	23/32	7/16	11/32
6mm	M3-FB5 3/4	M3-FB5 3/4-SS	M3-FB5 3/4-316SS	M3-FB5 3/4-AL	M3-FB5 3/4-NP	27/32	3/8	11/32
1/4	M3-FB6	M3-FB6-SS	M3-FB6-316SS	M3-FB6-AL	M3-FB6-NP	27/32	3/8	11/32

M3x0.5 Female Thread to Elbows 880



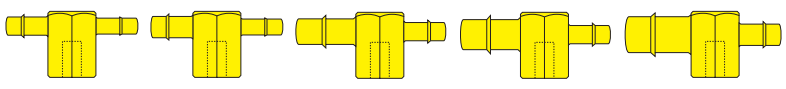
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	M3-FLB1	M3-FLB1-SS	M3-FLB1-316SS	M3-FLB1-NP	11/32	1/4	11/32
5/64 / 2mm	M3-FLB2	M3-FLB2-SS	M3-FLB2-316SS	M3-FLB2-NP	11/32	1/4	11/32
3/32	M3-FLB2 1/2	M3-FLB2 1/2-SS	M3-FLB2 1/2-316SS	M3-FLB2 1/2-NP	11/32	1/4	11/32
1/8	M3-FLB3	M3-FLB3-SS	M3-FLB3-316SS	M3-FLB3-NP	11/32	1/4	7/16
5/32 / 4mm	M3-FLB3 1/2	M3-FLB3 1/2-SS	M3-FLB3 1/2-316SS	M3-FLB3 1/2-NP	11/32	1/4	7/16
.170	M3-FLB4	M3-FLB4-SS	M3-FLB4-316SS	M3-FLB4-NP	11/32	1/4	15/32

M3x0.5 Female Thread to Tees 881



Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	M3-FT1	M3-FT1-SS	M3-FT1-316SS	M3-FT1-NP	11/32	1/4	11/16
5/64 / 2mm	M3-FT2	M3-FT2-SS	M3-FT2-316SS	M3-FT2-NP	11/32	1/4	11/16
3/32	M3-FT2 1/2	M3-FT2 1/2-SS	M3-FT2 1/2-316SS	M3-FT2 1/2-NP	11/32	1/4	11/16
1/8	M3-FT3	M3-FT3-SS	M3-FT3-316SS	M3-FT3-NP	11/32	1/4	7/8
5/32 / 4mm	M3-FT3 1/2	M3-FT3 1/2-SS	M3-FT3 1/2-316SS	M3-FT3 1/2-NP	11/32	1/4	7/8
.170	M3-FT4	M3-FT4-SS	M3-FT4-316SS	M3-FT4-NP	11/32	1/4	15/16

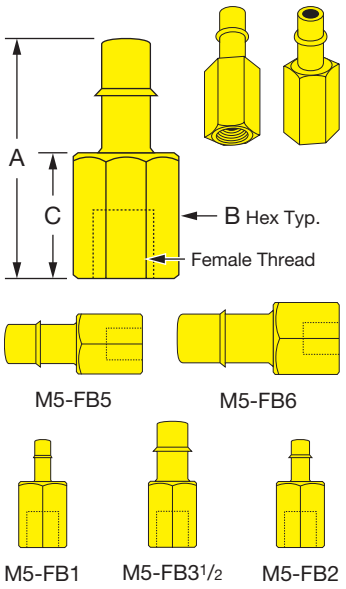
M3 Female Thread Reducing Tees also available! Consult factory for details!



K2

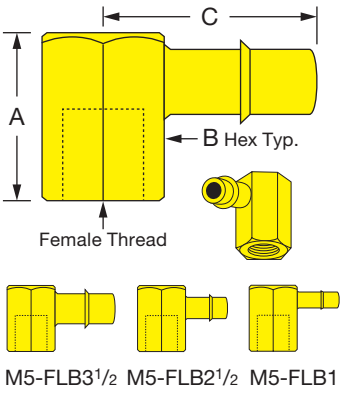
882 M5x0.8 Female Thread to Tube

Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	M5-FB1	M5-FB1-SS	M5-FB1-316SS	M5-FB1-AL	M5-FB1-NP	9/16	1/4	11/32
5/64 / 2mm	M5-FB2	M5-FB2-SS	M5-FB2-316SS	M5-FB2-AL	M5-FB2-NP	9/16	1/4	11/32
3/32	M5-FB2 1/2	M5-FB2 1/2-SS	M5-FB2 1/2-316SS	M5-FB2 1/2-AL	M5-FB2 1/2-NP	9/16	1/4	11/32
1/8	M5-FB3	M5-FB3-SS	M5-FB3-316SS	M5-FB3-AL	M5-FB3-NP	21/32	1/4	11/32
5/32 / 4mm	M5-FB3 1/2	M5-FB3 1/2-SS	M5-FB3 1/2-316SS	M5-FB3 1/2-AL	M5-FB3 1/2-NP	21/32	1/4	11/32
.170	M5-FB4	M5-FB4-SS	M5-FB4-316SS	M5-FB4-AL	M5-FB4-NP	21/32	1/4	11/32
3/16	M5-FB5	M5-FB5-SS	M5-FB5-316SS	M5-FB5-AL	M5-FB5-NP	23/32	7/16	11/32
7/32	M5-FB5 1/2	M5-FB5 1/2-SS	M5-FB5 1/2-316SS	M5-FB5 1/2-AL	M5-FB5 1/2-NP	23/32	7/16	11/32
6mm	M5-FB5 3/4	M5-FB5 3/4-SS	M5-FB5 3/4-316SS	M5-FB5 3/4-AL	M5-FB5 3/4-NP	27/32	3/8	11/32
1/4	M5-FB6	M5-FB6-SS	M5-FB6-316SS	M5-FB6-AL	M5-FB6-NP	27/32	3/8	11/32



883 M5x0.8 Female Thread to Tube Elbows

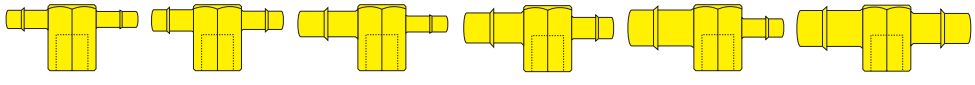
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	M5-FLB1	M5-FLB1-SS	M5-FLB1-316SS	M5-FLB1-NP	11/32	1/4	11/32
5/64 / 2mm	M5-FLB2	M5-FLB2-SS	M5-FLB2-316SS	M5-FLB2-NP	11/32	1/4	11/32
3/32	M5-FLB2 1/2	M5-FLB2 1/2-SS	M5-FLB2 1/2-316SS	M5-FLB2 1/2-NP	11/32	1/4	11/32
1/8	M5-FLB3	M5-FLB3-SS	M5-FLB3-316SS	M5-FLB3-NP	11/32	1/4	7/16
5/32 / 4mm	M5-FLB3 1/2	M5-FLB3 1/2-SS	M5-FLB3 1/2-316SS	M5-FLB3 1/2-NP	11/32	1/4	7/16
.170	M5-FLB4	M5-FLB4-SS	M5-FLB4-316SS	M5-FLB4-NP	11/32	1/4	15/32

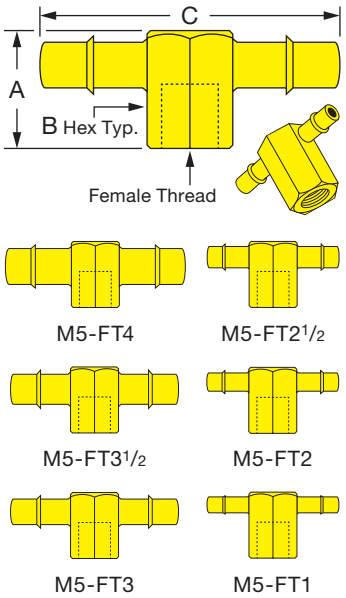


884 M5x0.8 Female Thread to Tube Tees

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	M5-FT1	M5-FT1-SS	M5-FT1-316SS	M5-FT1-NP	11/32	1/4	11/16
5/64 / 2mm	M5-FT2	M5-FT2-SS	M5-FT2-316SS	M5-FT2-NP	11/32	1/4	11/16
3/32	M5-FT2 1/2	M5-FT2 1/2-SS	M5-FT2 1/2-316SS	M5-FT2 1/2-NP	11/32	1/4	11/16
1/8	M5-FT3	M5-FT3-SS	M5-FT3-316SS	M5-FT3-NP	11/32	1/4	7/8
5/32 / 4mm	M5-FT3 1/2	M5-FT3 1/2-SS	M5-FT3 1/2-316SS	M5-FT3 1/2-NP	11/32	1/4	7/8
.170	M5-FT4	M5-FT4-SS	M5-FT4-316SS	M5-FT4-NP	11/32	1/4	15/16

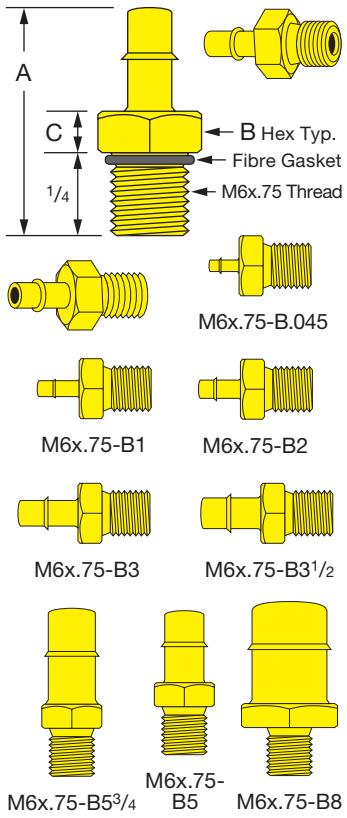
M5 Female Thread Reducing Tees also available! Consult factory for details!





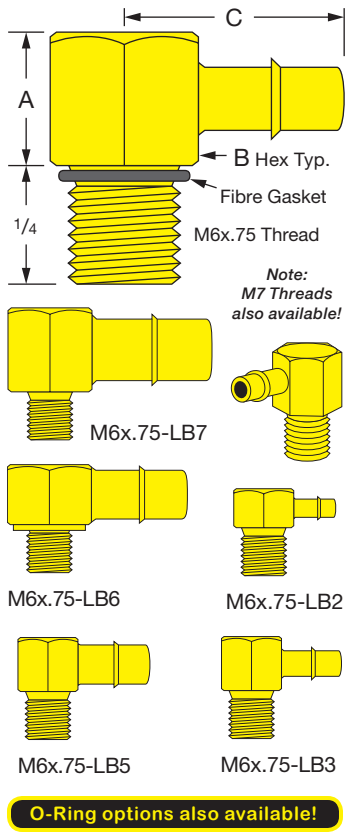
K2

M6x0.75 Thread to Tube with Fibre Gasket Supplied — 885



Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	M6x.75-B.031	M6x.75-B.031-SS	M6x.75-B.031-316SS	M6x.75-B.031-AL	M6x.75-B.031-NP	17/32	5/16	1/8
.040 / 1mm	M6x.75-B.040	M6x.75-B.040-SS	M6x.75-B.040-316SS	M6x.75-B.040-AL	M6x.75-B.040-NP	17/32	5/16	1/8
3/64	M6x.75-B.045	M6x.75-B.045-SS	M6x.75-B.045-316SS	M6x.75-B.045-AL	M6x.75-B.045-NP	17/32	5/16	1/8
.050	M6x.75-B.050	M6x.75-B.050-SS	M6x.75-B.050-316SS	M6x.75-B.050-AL	M6x.75-B.050-NP	17/32	5/16	1/8
1/16	M6x.75-B1	M6x.75-B1-SS	M6x.75-B1-316SS	M6x.75-B1-AL	M6x.75-B1-NP	19/32	5/16	1/8
5/64 / 2mm	M6x.75-B2	M6x.75-B2-SS	M6x.75-B2-316SS	M6x.75-B2-AL	M6x.75-B2-NP	19/32	5/16	1/8
3/32	M6x.75-B2 1/2	M6x.75-B2 1/2-SS	M6x.75-B2 1/2-316SS	M6x.75-B2 1/2-AL	M6x.75-B2 1/2-NP	19/32	5/16	1/8
1/8	M6x.75-B3	M6x.75-B3-SS	M6x.75-B3-316SS	M6x.75-B3-AL	M6x.75-B3-NP	11/16	5/16	1/8
5/32 / 4mm	M6x.75-B3 1/2	M6x.75-B3 1/2-SS	M6x.75-B3 1/2-316SS	M6x.75-B3 1/2-AL	M6x.75-B3 1/2-NP	11/16	5/16	1/8
.170	M6x.75-B4	M6x.75-B4-SS	M6x.75-B4-316SS	M6x.75-B4-AL	M6x.75-B4-NP	23/32	5/16	1/8
3/16	M6x.75-B5	M6x.75-B5-SS	M6x.75-B5-316SS	M6x.75-B5-AL	M6x.75-B5-NP	3/4	5/16	1/8
7/32	M6x.75-B5 1/2	M6x.75-B5 1/2-SS	M6x.75-B5 1/2-316SS	M6x.75-B5 1/2-AL	M6x.75-B5 1/2-NP	3/4	5/16	1/8
6mm	M6x.75-B5 3/4	M6x.75-B5 3/4-SS	M6x.75-B5 3/4-316SS	M6x.75-B5 3/4-AL	M6x.75-B5 3/4-NP	7/8	5/16	1/8
1/4	M6x.75-B6	M6x.75-B6-SS	M6x.75-B6-316SS	M6x.75-B6-AL	M6x.75-B6-NP	7/8	5/16	1/8
5/16 / 8mm	M6x.75-B7	M6x.75-B7-SS	M6x.75-B7-316SS	M6x.75-B7-AL	M6x.75-B7-NP	1	7/16	1/8
3/8	M6x.75-B8	M6x.75-B8-SS	M6x.75-B8-316SS	M6x.75-B8-AL	M6x.75-B8-NP	29/32	1/2	1/8

M6x0.75 Thread to Tube Elbows with Fibre Gasket Supplied — 886



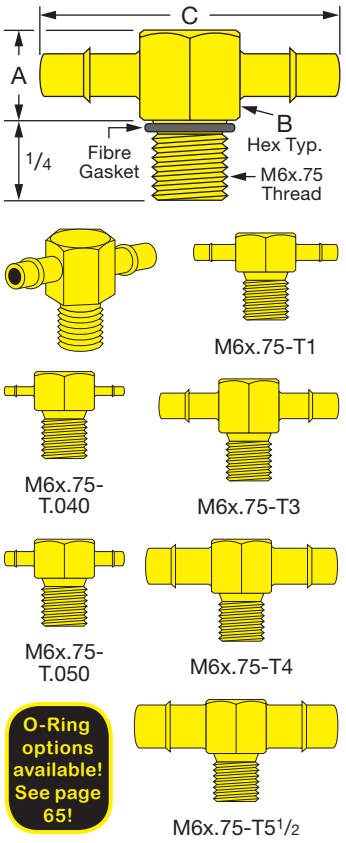
O-Ring options also available!

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	M6x.75-LB.031	M6x.75-LB.031-SS	M6x.75-LB.031-316SS	M6x.75-LB.031-NP	13/64	5/16	5/16
.040 / 1mm	M6x.75-LB.040	M6x.75-LB.040-SS	M6x.75-LB.040-316SS	M6x.75-LB.040-NP	13/64	5/16	5/16
3/64	M6x.75-LB.045	M6x.75-LB.045-SS	M6x.75-LB.045-316SS	M6x.75-LB.045-NP	13/64	5/16	5/16
.050	M6x.75-LB.050	M6x.75-LB.050-SS	M6x.75-LB.050-316SS	M6x.75-LB.050-NP	13/64	5/16	5/16
1/16	M6x.75-LB1	M6x.75-LB1-SS	M6x.75-LB1-316SS	M6x.75-LB1-NP	13/64	5/16	3/8
5/64 / 2mm	M6x.75-LB2	M6x.75-LB2-SS	M6x.75-LB2-316SS	M6x.75-LB2-NP	13/64	5/16	3/8
3/32	M6x.75-LB2 1/2	M6x.75-LB2 1/2-SS	M6x.75-LB2 1/2-316SS	M6x.75-LB2 1/2-NP	13/64	5/16	3/8
1/8	M6x.75-LB3	M6x.75-LB3-SS	M6x.75-LB3-316SS	M6x.75-LB3-NP	9/32	5/16	15/32
5/32 / 4mm	M6x.75-LB3 1/2	M6x.75-LB3 1/2-SS	M6x.75-LB3 1/2-316SS	M6x.75-LB3 1/2-NP	9/32	5/16	15/32
.170	M6x.75-LB4	M6x.75-LB4-SS	M6x.75-LB4-316SS	M6x.75-LB4-NP	9/32	5/16	1/2
3/16	M6x.75-LB5	M6x.75-LB5-SS	M6x.75-LB5-316SS	M6x.75-LB5-NP	9/32	5/16	17/32
7/32	M6x.75-LB5 1/2	M6x.75-LB5 1/2-SS	M6x.75-LB5 1/2-316SS	M6x.75-LB5 1/2-NP	9/32	5/16	17/32
6mm	M6x.75-LB5 3/4	M6x.75-LB5 3/4-SS	M6x.75-LB5 3/4-316SS	M6x.75-LB5 3/4-NP	5/16	7/16	23/32
1/4	M6x.75-LB6	M6x.75-LB6-SS	M6x.75-LB6-316SS	M6x.75-LB6-NP	5/16	7/16	23/32
5/16 / 8mm	M6x.75-LB7	M6x.75-LB7-SS	M6x.75-LB7-316SS	M6x.75-LB7-NP	7/16	7/16	27/32
3/8	M6x.75-LB8	M6x.75-LB8-SS	M6x.75-LB8-316SS	M6x.75-LB8-NP	1/2	1/2	25/32

L2

887 M6x0.75 Thread to Tube Tees with Fibre Gasket Supplied

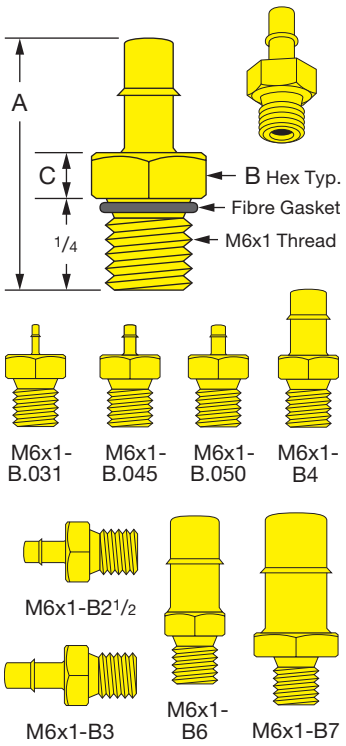
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	M6x.75-T.031	M6x.75-T.031-SS	M6x.75-T.031-316SS	M6x.75-T.031-NP	13/64	5/16	5/8
.040 / 1mm	M6x.75-T.040	M6x.75-T.040-SS	M6x.75-T.040-316SS	M6x.75-T.040-NP	13/64	5/16	5/8
3/64	M6x.75-T.045	M6x.75-T.045-SS	M6x.75-T.045-316SS	M6x.75-T.045-NP	13/64	5/16	5/8
.050	M6x.75-T.050	M6x.75-T.050-SS	M6x.75-T.050-316SS	M6x.75-T.050-NP	13/64	5/16	5/8
1/16	M6x.75-T1	M6x.75-T1-SS	M6x.75-T1-316SS	M6x.75-T1-NP	13/64	5/16	3/4
5/64 / 2mm	M6x.75-T2	M6x.75-T2-SS	M6x.75-T2-316SS	M6x.75-T2-NP	13/64	5/16	3/4
3/32	M6x.75-T2 1/2	M6x.75-T2 1/2-SS	M6x.75-T2 1/2-316SS	M6x.75-T2 1/2-NP	13/64	5/16	3/4
1/8	M6x.75-T3	M6x.75-T3-SS	M6x.75-T3-316SS	M6x.75-T3-NP	9/32	5/16	15/16
5/32 / 4mm	M6x.75-T3 1/2	M6x.75-T3 1/2-SS	M6x.75-T3 1/2-316SS	M6x.75-T3 1/2-NP	9/32	5/16	15/16
.170	M6x.75-T4	M6x.75-T4-SS	M6x.75-T4-316SS	M6x.75-T4-NP	9/32	5/16	1
3/16	M6x.75-T5	M6x.75-T5-SS	M6x.75-T5-316SS	M6x.75-T5-NP	9/32	5/16	1 1/16
7/32	M6x.75-T5 1/2	M6x.75-T5 1/2-SS	M6x.75-T5 1/2-316SS	M6x.75-T5 1/2-NP	9/32	5/16	1 1/16
6mm	M6x.75-T5 3/4	M6x.75-T5 3/4-SS	M6x.75-T5 3/4-316SS	M6x.75-T5 3/4-NP	5/16	7/16	1 7/16
1/4	M6x.75-T6	M6x.75-T6-SS	M6x.75-T6-316SS	M6x.75-T6-NP	5/16	7/16	1 7/16
5/16 / 8mm	M6x.75-T7	M6x.75-T7-SS	M6x.75-T7-316SS	M6x.75-T7-NP	7/16	7/16	1 11/16
3/8	M6x.75-T8	M6x.75-T8-SS	M6x.75-T8-316SS	M6x.75-T8-NP	1/2	1/2	1 9/16



O-Ring options available! See page 65!

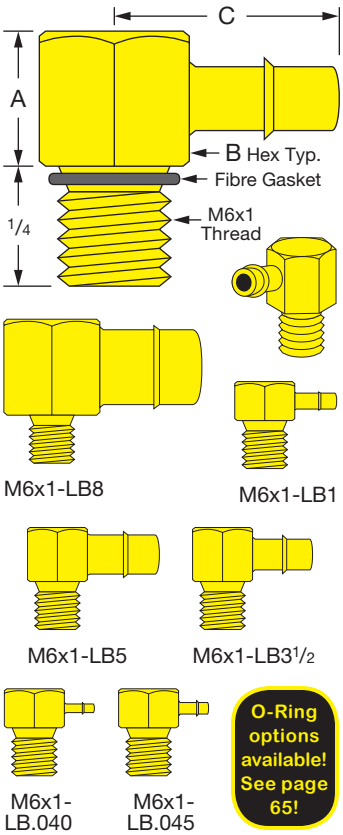
888 M6x1 Thread to Tube with Fibre Gasket Supplied

Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	M6x1-B.031	M6x1-B.031-SS	M6x1-B.031-316SS	M6x1-B.031-AL	M6x1-B.031-NP	17/32	5/16	1/8
.040 / 1mm	M6x1-B.040	M6x1-B.040-SS	M6x1-B.040-316SS	M6x1-B.040-AL	M6x1-B.040-NP	17/32	5/16	1/8
3/64	M6x1-B.045	M6x1-B.045-SS	M6x1-B.045-316SS	M6x1-B.045-AL	M6x1-B.045-NP	17/32	5/16	1/8
.050	M6x1-B.050	M6x1-B.050-SS	M6x1-B.050-316SS	M6x1-B.050-AL	M6x1-B.050-NP	17/32	5/16	1/8
1/16	M6x1-B1	M6x1-B1-SS	M6x1-B1-316SS	M6x1-B1-AL	M6x1-B1-NP	19/32	5/16	1/8
5/64 / 2mm	M6x1-B2	M6x1-B2-SS	M6x1-B2-316SS	M6x1-B2-AL	M6x1-B2-NP	19/32	5/16	1/8
3/32	M6x1-B2 1/2	M6x1-B2 1/2-SS	M6x1-B2 1/2-316SS	M6x1-B2 1/2-AL	M6x1-B2 1/2-NP	19/32	5/16	1/8
1/8	M6x1-B3	M6x1-B3-SS	M6x1-B3-316SS	M6x1-B3-AL	M6x1-B3-NP	11/16	5/16	1/8
5/32 / 4mm	M6x1-B3 1/2	M6x1-B3 1/2-SS	M6x1-B3 1/2-316SS	M6x1-B3 1/2-AL	M6x1-B3 1/2-NP	11/16	5/16	1/8
.170	M6x1-B4	M6x1-B4-SS	M6x1-B4-316SS	M6x1-B4-AL	M6x1-B4-NP	23/32	5/16	1/8
3/16	M6x1-B5	M6x1-B5-SS	M6x1-B5-316SS	M6x1-B5-AL	M6x1-B5-NP	3/4	5/16	1/8
7/32	M6x1-B5 1/2	M6x1-B5 1/2-SS	M6x1-B5 1/2-316SS	M6x1-B5 1/2-AL	M6x1-B5 1/2-NP	3/4	5/16	1/8
6mm	M6x1-B5 3/4	M6x1-B5 3/4-SS	M6x1-B5 3/4-316SS	M6x1-B5 3/4-AL	M6x1-B5 3/4-NP	7/8	5/16	1/8
1/4	M6x1-B6	M6x1-B6-SS	M6x1-B6-316SS	M6x1-B6-AL	M6x1-B6-NP	7/8	5/16	1/8
5/16 / 8mm	M6x1-B7	M6x1-B7-SS	M6x1-B7-316SS	M6x1-B7-AL	M6x1-B7-NP	1	7/16	1/8
3/8	M6x1-B8	M6x1-B8-SS	M6x1-B8-316SS	M6x1-B8-AL	M6x1-B8-NP	29/32	1/2	1/8



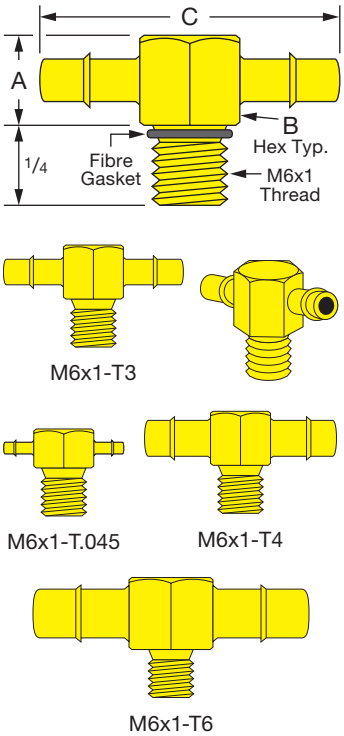
M7 Threads available! Consult factory for details!

M6x1 Thread to Tube Elbows with Fibre Gasket Supplied 889



Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	M6x1-LB.031	M6x1-LB.031-SS	M6x1-LB.031-316SS	M6x1-LB.031-NP	13/64	5/16	5/16
.040 / 1mm	M6x1-LB.040	M6x1-LB.040-SS	M6x1-LB.040-316SS	M6x1-LB.040-NP	13/64	5/16	5/16
3/64	M6x1-LB.045	M6x1-LB.045-SS	M6x1-LB.045-316SS	M6x1-LB.045-NP	13/64	5/16	5/16
.050	M6x1-LB.050	M6x1-LB.050-SS	M6x1-LB.050-316SS	M6x1-LB.050-NP	13/64	5/16	5/16
1/16	M6x1-LB1	M6x1-LB1-SS	M6x1-LB1-316SS	M6x1-LB1-NP	13/64	5/16	3/8
5/64 / 2mm	M6x1-LB2	M6x1-LB2-SS	M6x1-LB2-316SS	M6x1-LB2-NP	13/64	5/16	3/8
3/32	M6x1-LB2 1/2	M6x1-LB2 1/2-SS	M6x1-LB2 1/2-316SS	M6x1-LB2 1/2-NP	13/64	5/16	3/8
1/8	M6x1-LB3	M6x1-LB3-SS	M6x1-LB3-316SS	M6x1-LB3-NP	9/32	5/16	15/32
5/32 / 4mm	M6x1-LB3 1/2	M6x1-LB3 1/2-SS	M6x1-LB3 1/2-316SS	M6x1-LB3 1/2-NP	9/32	5/16	15/32
.170	M6x1-LB4	M6x1-LB4-SS	M6x1-LB4-316SS	M6x1-LB4-NP	9/32	5/16	1/2
3/16	M6x1-LB5	M6x1-LB5-SS	M6x1-LB5-316SS	M6x1-LB5-NP	9/32	5/16	17/32
7/32	M6x1-LB5 1/2	M6x1-LB5 1/2-SS	M6x1-LB5 1/2-316SS	M6x1-LB5 1/2-NP	9/32	5/16	17/32
6mm	M6x1-LB5 3/4	M6x1-LB5 3/4-SS	M6x1-LB5 3/4-316SS	M6x1-LB5 3/4-NP	5/16	7/16	23/32
1/4	M6x1-LB6	M6x1-LB6-SS	M6x1-LB6-316SS	M6x1-LB6-NP	5/16	7/16	23/32
5/16 / 8mm	M6x1-LB7	M6x1-LB7-SS	M6x1-LB7-316SS	M6x1-LB7-NP	7/16	7/16	27/32
3/8	M6x1-LB8	M6x1-LB8-SS	M6x1-LB8-316SS	M6x1-LB8-NP	1/2	1/2	25/32

M6x1 Thread to Tube Tees with Fibre Gasket Supplied 890

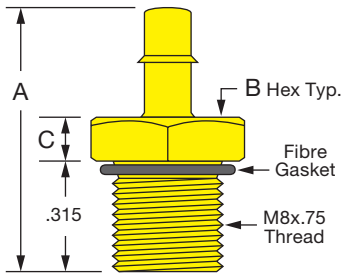


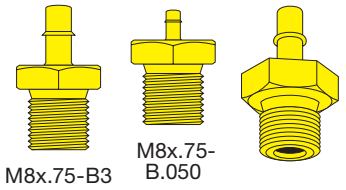
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	M6x1-T.031	M6x1-T.031-SS	M6x1-T.031-316SS	M6x1-T.031-NP	13/64	5/16	5/8
.040 / 1mm	M6x1-T.040	M6x1-T.040-SS	M6x1-T.040-316SS	M6x1-T.040-NP	13/64	5/16	5/8
3/64	M6x1-T.045	M6x1-T.045-SS	M6x1-T.045-316SS	M6x1-T.045-NP	13/64	5/16	5/8
.050	M6x1-T.050	M6x1-T.050-SS	M6x1-T.050-316SS	M6x1-T.050-NP	13/64	5/16	5/8
1/16	M6x1-T1	M6x1-T1-SS	M6x1-T1-316SS	M6x1-T1-NP	13/64	5/16	3/4
5/64 / 2mm	M6x1-T2	M6x1-T2-SS	M6x1-T2-316SS	M6x1-T2-NP	13/64	5/16	3/4
3/32	M6x1-T2 1/2	M6x1-T2 1/2-SS	M6x1-T2 1/2-316SS	M6x1-T2 1/2-NP	13/64	5/16	3/4
1/8	M6x1-T3	M6x1-T3-SS	M6x1-T3-316SS	M6x1-T3-NP	9/32	5/16	15/16
5/32 / 4mm	M6x1-T3 1/2	M6x1-T3 1/2-SS	M6x1-T3 1/2-316SS	M6x1-T3 1/2-NP	9/32	5/16	15/16
.170	M6x1-T4	M6x1-T4-SS	M6x1-T4-316SS	M6x1-T4-NP	9/32	5/16	1
3/16	M6x1-T5	M6x1-T5-SS	M6x1-T5-316SS	M6x1-T5-NP	9/32	5/16	1 1/16
7/32	M6x1-T5 1/2	M6x1-T5 1/2-SS	M6x1-T5 1/2-316SS	M6x1-T5 1/2-NP	9/32	5/16	1 1/16
6mm	M6x1-T5 3/4	M6x1-T5 3/4-SS	M6x1-T5 3/4-316SS	M6x1-T5 3/4-NP	5/16	7/16	1 7/16
1/4	M6x1-T6	M6x1-T6-SS	M6x1-T6-316SS	M6x1-T6-NP	5/16	7/16	1 7/16
5/16 / 8mm	M6x1-T7	M6x1-T7-SS	M6x1-T7-316SS	M6x1-T7-NP	7/16	7/16	1 11/16
3/8	M6x1-T8	M6x1-T8-SS	M6x1-T8-316SS	M6x1-T8-NP	1/2	1/2	1 9/16

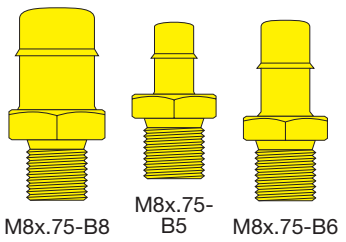
L2

891 M8x0.75 Thread to Tube with Fibre Gasket Supplied

Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	M8x.75-B.031	M8x.75-B.031-SS	M8x.75-B.031-316SS	M8x.75-B.031-AL	M8x.75-B.031-NP	.569	7/16	1/8
.040 / 1mm	M8x.75-B.040	M8x.75-B.040-SS	M8x.75-B.040-316SS	M8x.75-B.040-AL	M8x.75-B.040-NP	.569	7/16	1/8
3/64	M8x.75-B.045	M8x.75-B.045-SS	M8x.75-B.045-316SS	M8x.75-B.045-AL	M8x.75-B.045-NP	.569	7/16	1/8
.050	M8x.75-B.050	M8x.75-B.050-SS	M8x.75-B.050-316SS	M8x.75-B.050-AL	M8x.75-B.050-NP	.569	7/16	1/8
1/16	M8x.75-B1	M8x.75-B1-SS	M8x.75-B1-316SS	M8x.75-B1-AL	M8x.75-B1-NP	.659	7/16	1/8
5/64 / 2mm	M8x.75-B2	M8x.75-B2-SS	M8x.75-B2-316SS	M8x.75-B2-AL	M8x.75-B2-NP	.659	7/16	1/8
3/32	M8x.75-B2 1/2	M8x.75-B2 1/2-SS	M8x.75-B2 1/2-316SS	M8x.75-B2 1/2-AL	M8x.75-B2 1/2-NP	.659	7/16	1/8
1/8	M8x.75-B3	M8x.75-B3-SS	M8x.75-B3-316SS	M8x.75-B3-AL	M8x.75-B3-NP	.752	7/16	1/8
5/32 / 4mm	M8x.75-B3 1/2	M8x.75-B3 1/2-SS	M8x.75-B3 1/2-316SS	M8x.75-B3 1/2-AL	M8x.75-B3 1/2-NP	.752	7/16	1/8
.170	M8x.75-B4	M8x.75-B4-SS	M8x.75-B4-316SS	M8x.75-B4-AL	M8x.75-B4-NP	.784	7/16	1/8
3/16	M8x.75-B5	M8x.75-B5-SS	M8x.75-B5-316SS	M8x.75-B5-AL	M8x.75-B5-NP	.815	7/16	1/8
7/32	M8x.75-B5 1/2	M8x.75-B5 1/2-SS	M8x.75-B5 1/2-316SS	M8x.75-B5 1/2-AL	M8x.75-B5 1/2-NP	.815	7/16	1/8
6mm	M8x.75-B5 3/4	M8x.75-B5 3/4-SS	M8x.75-B5 3/4-316SS	M8x.75-B5 3/4-AL	M8x.75-B5 3/4-NP	.971	7/16	5/32
1/4	M8x.75-B6	M8x.75-B6-SS	M8x.75-B6-316SS	M8x.75-B6-AL	M8x.75-B6-NP	.971	7/16	5/32
5/16 / 8mm	M8x.75-B7	M8x.75-B7-SS	M8x.75-B7-316SS	M8x.75-B7-AL	M8x.75-B7-NP	1.10	7/16	5/32
3/8	M8x.75-B8	M8x.75-B8-SS	M8x.75-B8-316SS	M8x.75-B8-AL	M8x.75-B8-NP	1.00	1/2	5/32



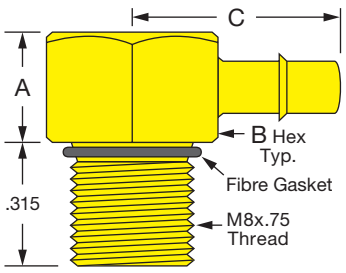


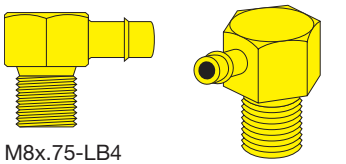


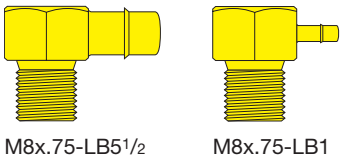
O-Ring options available! See page 65 for options!

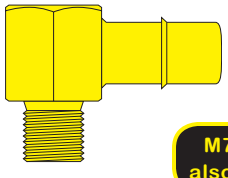
892 M8x0.75 Thread to Tube Elbows with Fibre Gasket Supplied

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	M8x.75-LB.031	M8x.75-LB.031-SS	M8x.75-LB.031-316SS	M8x.75-LB.031-NP	9/32	7/16	3/8
.040 / 1mm	M8x.75-LB.040	M8x.75-LB.040-SS	M8x.75-LB.040-316SS	M8x.75-LB.040-NP	9/32	7/16	3/8
3/64	M8x.75-LB.045	M8x.75-LB.045-SS	M8x.75-LB.045-316SS	M8x.75-LB.045-NP	9/32	7/16	3/8
.050	M8x.75-LB.050	M8x.75-LB.050-SS	M8x.75-LB.050-316SS	M8x.75-LB.050-NP	9/32	7/16	3/8
1/16	M8x.75-LB1	M8x.75-LB1-SS	M8x.75-LB1-316SS	M8x.75-LB1-NP	9/32	7/16	7/16
5/64 / 2mm	M8x.75-LB2	M8x.75-LB2-SS	M8x.75-LB2-316SS	M8x.75-LB2-NP	9/32	7/16	7/16
3/32	M8x.75-LB2 1/2	M8x.75-LB2 1/2-SS	M8x.75-LB2 1/2-316SS	M8x.75-LB2 1/2-NP	9/32	7/16	7/16
1/8	M8x.75-LB3	M8x.75-LB3-SS	M8x.75-LB3-316SS	M8x.75-LB3-NP	9/32	7/16	17/32
5/32 / 4mm	M8x.75-LB3 1/2	M8x.75-LB3 1/2-SS	M8x.75-LB3 1/2-316SS	M8x.75-LB3 1/2-NP	9/32	7/16	17/32
.170	M8x.75-LB4	M8x.75-LB4-SS	M8x.75-LB4-316SS	M8x.75-LB4-NP	9/32	7/16	9/16
3/16	M8x.75-LB5	M8x.75-LB5-SS	M8x.75-LB5-316SS	M8x.75-LB5-NP	9/32	7/16	19/32
7/32	M8x.75-LB5 1/2	M8x.75-LB5 1/2-SS	M8x.75-LB5 1/2-316SS	M8x.75-LB5 1/2-NP	9/32	7/16	19/32
6mm	M8x.75-LB5 3/4	M8x.75-LB5 3/4-SS	M8x.75-LB5 3/4-316SS	M8x.75-LB5 3/4-NP	3/8	7/16	23/32
1/4	M8x.75-LB6	M8x.75-LB6-SS	M8x.75-LB6-316SS	M8x.75-LB6-NP	3/8	7/16	23/32
5/16 / 8mm	M8x.75-LB7	M8x.75-LB7-SS	M8x.75-LB7-316SS	M8x.75-LB7-NP	1/2	7/16	27/32
3/8	M8x.75-LB8	M8x.75-LB8-SS	M8x.75-LB8-316SS	M8x.75-LB8-NP	1/2	1/2	25/32







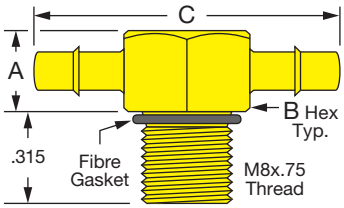


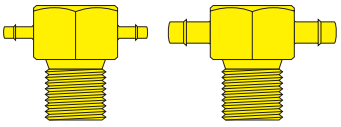
Note: *Dimensions may vary at time of manufacturing.*

M7 Threads also available!

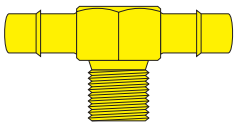
L2

M8x0.75 Thread to Tube Tees with Fibre Gasket Supplied 893

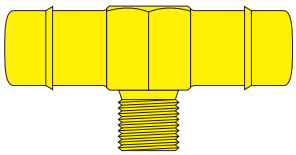




M8x.75-T.045 M8x.75-T2½



M8x.75-T5

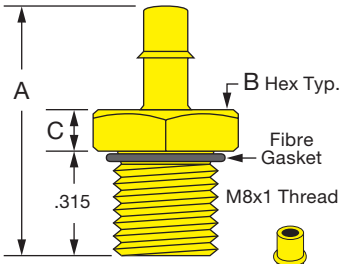


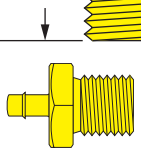
M8x.75-T8

O-Ring options available! See page 65 for material options!

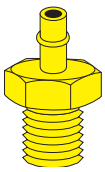
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	M8x.75-T.031	M8x.75-T.031-SS	M8x.75-T.031-316SS	M8x.75-T.031-NP	9/32	7/16	3/4
.040 / 1mm	M8x.75-T.040	M8x.75-T.040-SS	M8x.75-T.040-316SS	M8x.75-T.040-NP	9/32	7/16	3/4
3/64	M8x.75-T.045	M8x.75-T.045-SS	M8x.75-T.045-316SS	M8x.75-T.045-NP	9/32	7/16	3/4
.050	M8x.75-T.050	M8x.75-T.050-SS	M8x.75-T.050-316SS	M8x.75-T.050-NP	9/32	7/16	3/4
1/16	M8x.75-T1	M8x.75-T1-SS	M8x.75-T1-316SS	M8x.75-T1-NP	9/32	7/16	7/8
5/64 / 2mm	M8x.75-T2	M8x.75-T2-SS	M8x.75-T2-316SS	M8x.75-T2-NP	9/32	7/16	7/8
3/32	M8x.75-T2½	M8x.75-T2½-SS	M8x.75-T2½-316SS	M8x.75-T2½-NP	9/32	7/16	7/8
1/8	M8x.75-T3	M8x.75-T3-SS	M8x.75-T3-316SS	M8x.75-T3-NP	9/32	7/16	1 1/16
5/32 / 4mm	M8x.75-T3½	M8x.75-T3½-SS	M8x.75-T3½-316SS	M8x.75-T3½-NP	9/32	7/16	1 1/16
.170	M8x.75-T4	M8x.75-T4-SS	M8x.75-T4-316SS	M8x.75-T4-NP	9/32	7/16	1 1/8
3/16	M8x.75-T5	M8x.75-T5-SS	M8x.75-T5-316SS	M8x.75-T5-NP	9/32	7/16	1 3/16
7/32	M8x.75-T5½	M8x.75-T5½-SS	M8x.75-T5½-316SS	M8x.75-T5½-NP	9/32	7/16	1 3/16
6mm	M8x.75-T5¾	M8x.75-T5¾-SS	M8x.75-T5¾-316SS	M8x.75-T5¾-NP	3/8	7/16	1 7/16
1/4	M8x.75-T6	M8x.75-T6-SS	M8x.75-T6-316SS	M8x.75-T6-NP	3/8	7/16	1 7/16
5/16 / 8mm	M8x.75-T7	M8x.75-T7-SS	M8x.75-T7-316SS	M8x.75-T7-NP	1/2	7/16	1 11/16
3/8	M8x.75-T8	M8x.75-T8-SS	M8x.75-T8-316SS	M8x.75-T8-NP	1/2	1/2	1 9/16

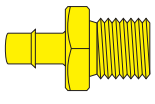
M8x1 Thread to Tube with Fibre Gasket Supplied 894





M8x1-B2½

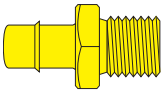




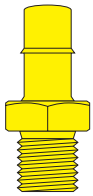
M8x1-B3½



M8x1-B1



M8x1-B5½



M8x1-B5¾

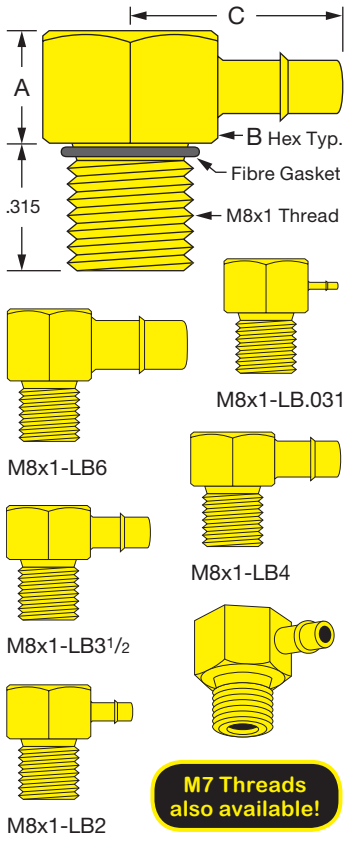
M7 Threads available! Lead times may vary. Consult factory for details!

Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	M8x1-B.031	M8x1-B.031-SS	M8x1-B.031-316SS	M8x1-B.031-AL	M8x1-B.031-NP	.569	7/16	1/8
.040 / 1mm	M8x1-B.040	M8x1-B.040-SS	M8x1-B.040-316SS	M8x1-B.040-AL	M8x1-B.040-NP	.569	7/16	1/8
3/64	M8x1-B.045	M8x1-B.045-SS	M8x1-B.045-316SS	M8x1-B.045-AL	M8x1-B.045-NP	.569	7/16	1/8
.050	M8x1-B.050	M8x1-B.050-SS	M8x1-B.050-316SS	M8x1-B.050-AL	M8x1-B.050-NP	.569	7/16	1/8
1/16	M8x1-B1	M8x1-B1-SS	M8x1-B1-316SS	M8x1-B1-AL	M8x1-B1-NP	.659	7/16	1/8
5/64 / 2mm	M8x1-B2	M8x1-B2-SS	M8x1-B2-316SS	M8x1-B2-AL	M8x1-B2-NP	.659	7/16	1/8
3/32	M8x1-B2½	M8x1-B2½-SS	M8x1-B2½-316SS	M8x1-B2½-AL	M8x1-B2½-NP	.659	7/16	1/8
1/8	M8x1-B3	M8x1-B3-SS	M8x1-B3-316SS	M8x1-B3-AL	M8x1-B3-NP	.752	7/16	1/8
5/32 / 4mm	M8x1-B3½	M8x1-B3½-SS	M8x1-B3½-316SS	M8x1-B3½-AL	M8x1-B3½-NP	.752	7/16	1/8
.170	M8x1-B4	M8x1-B4-SS	M8x1-B4-316SS	M8x1-B4-AL	M8x1-B4-NP	.784	7/16	1/8
3/16	M8x1-B5	M8x1-B5-SS	M8x1-B5-316SS	M8x1-B5-AL	M8x1-B5-NP	.815	7/16	1/8
7/32	M8x1-B5½	M8x1-B5½-SS	M8x1-B5½-316SS	M8x1-B5½-AL	M8x1-B5½-NP	.815	7/16	1/8
6mm	M8x1-B5¾	M8x1-B5¾-SS	M8x1-B5¾-316SS	M8x1-B5¾-AL	M8x1-B5¾-NP	.971	7/16	5/32
1/4	M8x1-B6	M8x1-B6-SS	M8x1-B6-316SS	M8x1-B6-AL	M8x1-B6-NP	.971	7/16	5/32
5/16 / 8mm	M8x1-B7	M8x1-B7-SS	M8x1-B7-316SS	M8x1-B7-AL	M8x1-B7-NP	1.10	7/16	5/32
3/8	M8x1-B8	M8x1-B8-SS	M8x1-B8-316SS	M8x1-B8-AL	M8x1-B8-NP	1.00	1/2	5/32

L2

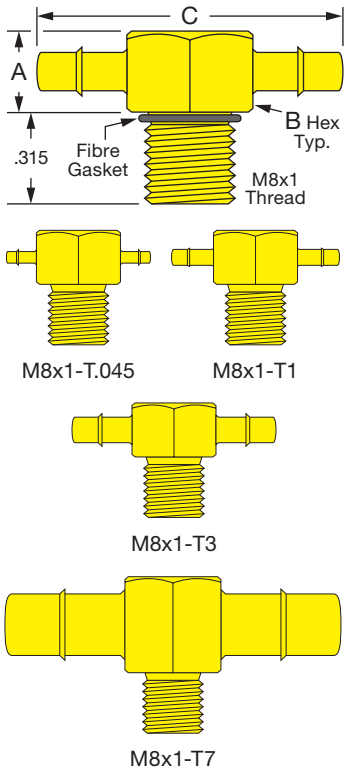
895 M8x1 Thread to Tube Elbows with Fibre Gasket Supplied

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	M8x1-LB.031	M8x1-LB.031-SS	M8x1-LB.031-316SS	M8x1-LB.031-NP	9/32	7/16	3/8
.040 / 1mm	M8x1-LB.040	M8x1-LB.040-SS	M8x1-LB.040-316SS	M8x1-LB.040-NP	9/32	7/16	3/8
3/64	M8x1-LB.045	M8x1-LB.045-SS	M8x1-LB.045-316SS	M8x1-LB.045-NP	9/32	7/16	3/8
.050	M8x1-LB.050	M8x1-LB.050-SS	M8x1-LB.050-316SS	M8x1-LB.050-NP	9/32	7/16	3/8
1/16	M8x1-LB1	M8x1-LB1-SS	M8x1-LB1-316SS	M8x1-LB1-NP	9/32	7/16	7/16
5/64 / 2mm	M8x1-LB2	M8x1-LB2-SS	M8x1-LB2-316SS	M8x1-LB2-NP	9/32	7/16	7/16
3/32	M8x1-LB2 1/2	M8x1-LB2 1/2-SS	M8x1-LB2 1/2-316SS	M8x1-LB2 1/2-NP	9/32	7/16	7/16
1/8	M8x1-LB3	M8x1-LB3-SS	M8x1-LB3-316SS	M8x1-LB3-NP	9/32	7/16	17/32
5/32 / 4mm	M8x1-LB3 1/2	M8x1-LB3 1/2-SS	M8x1-LB3 1/2-316SS	M8x1-LB3 1/2-NP	9/32	7/16	17/32
.170	M8x1-LB4	M8x1-LB4-SS	M8x1-LB4-316SS	M8x1-LB4-NP	9/32	7/16	9/16
3/16	M8x1-LB5	M8x1-LB5-SS	M8x1-LB5-316SS	M8x1-LB5-NP	9/32	7/16	19/32
7/32	M8x1-LB5 1/2	M8x1-LB5 1/2-SS	M8x1-LB5 1/2-316SS	M8x1-LB5 1/2-NP	9/32	7/16	19/32
6mm	M8x1-LB5 3/4	M8x1-LB5 3/4-SS	M8x1-LB5 3/4-316SS	M8x1-LB5 3/4-NP	3/8	7/16	23/32
1/4	M8x1-LB6	M8x1-LB6-SS	M8x1-LB6-316SS	M8x1-LB6-NP	3/8	7/16	23/32
5/16 / 8mm	M8x1-LB7	M8x1-LB7-SS	M8x1-LB7-316SS	M8x1-LB7-NP	1/2	7/16	27/32
3/8	M8x1-LB8	M8x1-LB8-SS	M8x1-LB8-316SS	M8x1-LB8-NP	1/2	1/2	25/32



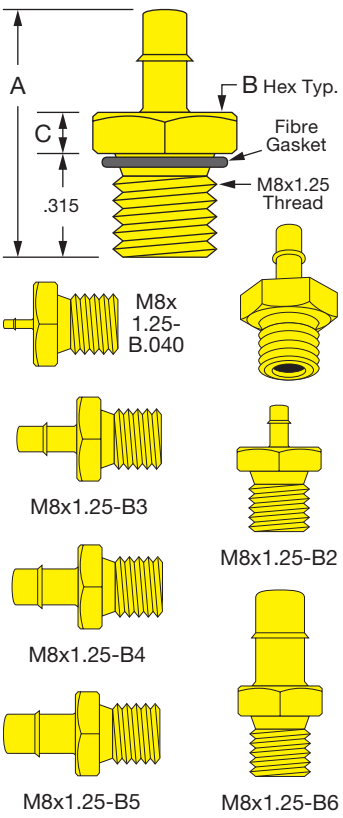
896 M8x1 Thread to Tube Tees with Fibre Gasket Supplied

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	M8x1-T.031	M8x1-T.031-SS	M8x1-T.031-316SS	M8x1-T.031-NP	9/32	7/16	3/4
.040 / 1mm	M8x1-T.040	M8x1-T.040-SS	M8x1-T.040-316SS	M8x1-T.040-NP	9/32	7/16	3/4
3/64	M8x1-T.045	M8x1-T.045-SS	M8x1-T.045-316SS	M8x1-T.045-NP	9/32	7/16	3/4
.050	M8x1-T.050	M8x1-T.050-SS	M8x1-T.050-316SS	M8x1-T.050-NP	9/32	7/16	3/4
1/16	M8x1-T1	M8x1-T1-SS	M8x1-T1-316SS	M8x1-T1-NP	9/32	7/16	7/8
5/64 / 2mm	M8x1-T2	M8x1-T2-SS	M8x1-T2-316SS	M8x1-T2-NP	9/32	7/16	7/8
3/32	M8x1-T2 1/2	M8x1-T2 1/2-SS	M8x1-T2 1/2-316SS	M8x1-T2 1/2-NP	9/32	7/16	7/8
1/8	M8x1-T3	M8x1-T3-SS	M8x1-T3-316SS	M8x1-T3-NP	9/32	7/16	1 1/16
5/32 / 4mm	M8x1-T3 1/2	M8x1-T3 1/2-SS	M8x1-T3 1/2-316SS	M8x1-T3 1/2-NP	9/32	7/16	1 1/16
.170	M8x1-T4	M8x1-T4-SS	M8x1-T4-316SS	M8x1-T4-NP	9/32	7/16	1 1/8
3/16	M8x1-T5	M8x1-T5-SS	M8x1-T5-316SS	M8x1-T5-NP	9/32	7/16	1 3/16
7/32	M8x1-T5 1/2	M8x1-T5 1/2-SS	M8x1-T5 1/2-316SS	M8x1-T5 1/2-NP	9/32	7/16	1 3/16
6mm	M8x1-T5 3/4	M8x1-T5 3/4-SS	M8x1-T5 3/4-316SS	M8x1-T5 3/4-NP	3/8	7/16	1 7/16
1/4	M8x1-T6	M8x1-T6-SS	M8x1-T6-316SS	M8x1-T6-NP	3/8	7/16	1 7/16
5/16 / 8mm	M8x1-T7	M8x1-T7-SS	M8x1-T7-316SS	M8x1-T7-NP	1/2	7/16	1 11/16
3/8	M8x1-T8	M8x1-T8-SS	M8x1-T8-316SS	M8x1-T8-NP	1/2	1/2	1 9/16



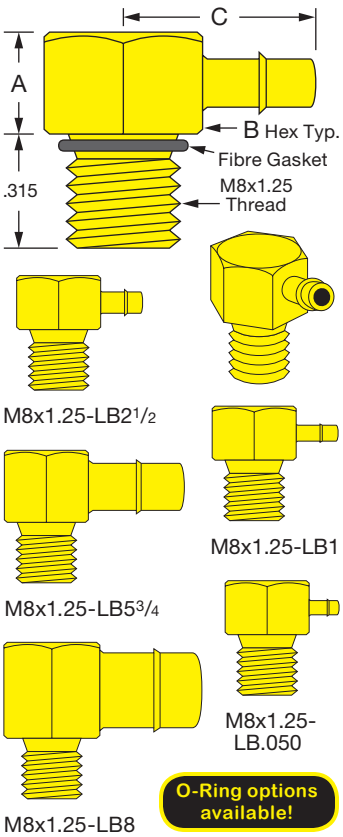
See page 65 for O-Ring options!

M8x1.25 Thread to Tube with Fibre Gasket Supplied 897



Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	M8x1.25-B.031	M8x1.25-B.031-SS	M8x1.25-B.031-316SS	M8x1.25-B.031-AL	M8x1.25-B.031-NP	.569	7/16	1/8
.040 / 1mm	M8x1.25-B.040	M8x1.25-B.040-SS	M8x1.25-B.040-316SS	M8x1.25-B.040-AL	M8x1.25-B.040-NP	.569	7/16	1/8
3/64	M8x1.25-B.045	M8x1.25-B.045-SS	M8x1.25-B.045-316SS	M8x1.25-B.045-AL	M8x1.25-B.045-NP	.569	7/16	1/8
.050	M8x1.25-B.050	M8x1.25-B.050-SS	M8x1.25-B.050-316SS	M8x1.25-B.050-AL	M8x1.25-B.050-NP	.569	7/16	1/8
1/16	M8x1.25-B1	M8x1.25-B1-SS	M8x1.25-B1-316SS	M8x1.25-B1-AL	M8x1.25-B1-NP	.659	7/16	1/8
5/64 / 2mm	M8x1.25-B2	M8x1.25-B2-SS	M8x1.25-B2-316SS	M8x1.25-B2-AL	M8x1.25-B2-NP	.659	7/16	1/8
3/32	M8x1.25-B2 1/2	M8x1.25-B2 1/2-SS	M8x1.25-B2 1/2-316SS	M8x1.25-B2 1/2-AL	M8x1.25-B2 1/2-NP	.659	7/16	1/8
1/8	M8x1.25-B3	M8x1.25-B3-SS	M8x1.25-B3-316SS	M8x1.25-B3-AL	M8x1.25-B3-NP	.752	7/16	1/8
5/32 / 4mm	M8x1.25-B3 1/2	M8x1.25-B3 1/2-SS	M8x1.25-B3 1/2-316SS	M8x1.25-B3 1/2-AL	M8x1.25-B3 1/2-NP	.752	7/16	1/8
.170	M8x1.25-B4	M8x1.25-B4-SS	M8x1.25-B4-316SS	M8x1.25-B4-AL	M8x1.25-B4-NP	.784	7/16	1/8
3/16	M8x1.25-B5	M8x1.25-B5-SS	M8x1.25-B5-316SS	M8x1.25-B5-AL	M8x1.25-B5-NP	.815	7/16	1/8
7/32	M8x1.25-B5 1/2	M8x1.25-B5 1/2-SS	M8x1.25-B5 1/2-316SS	M8x1.25-B5 1/2-AL	M8x1.25-B5 1/2-NP	.815	7/16	1/8
6mm	M8x1.25-B5 3/4	M8x1.25-B5 3/4-SS	M8x1.25-B5 3/4-316SS	M8x1.25-B5 3/4-AL	M8x1.25-B5 3/4-NP	.971	7/16	5/32
1/4	M8x1.25-B6	M8x1.25-B6-SS	M8x1.25-B6-316SS	M8x1.25-B6-AL	M8x1.25-B6-NP	.971	7/16	5/32
5/16 / 8mm	M8x1.25-B7	M8x1.25-B7-SS	M8x1.25-B7-316SS	M8x1.25-B7-AL	M8x1.25-B7-NP	1.10	7/16	5/32
3/8	M8x1.25-B8	M8x1.25-B8-SS	M8x1.25-B8-316SS	M8x1.25-B8-AL	M8x1.25-B8-NP	1.00	1/2	5/32

M8x1.25 Thread to Tube Elbows with Fibre Gasket Supplied 898

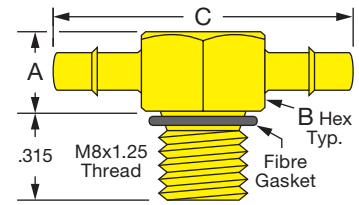


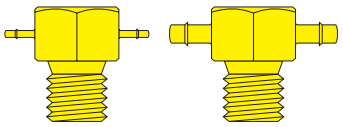
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	M8x1.25-LB.031	M8x1.25-LB.031-SS	M8x1.25-LB.031-316SS	M8x1.25-LB.031-NP	9/32	7/16	3/8
.040 / 1mm	M8x1.25-LB.040	M8x1.25-LB.040-SS	M8x1.25-LB.040-316SS	M8x1.25-LB.040-NP	9/32	7/16	3/8
3/64	M8x1.25-LB.045	M8x1.25-LB.045-SS	M8x1.25-LB.045-316SS	M8x1.25-LB.045-NP	9/32	7/16	3/8
.050	M8x1.25-LB.050	M8x1.25-LB.050-SS	M8x1.25-LB.050-316SS	M8x1.25-LB.050-NP	9/32	7/16	3/8
1/16	M8x1.25-LB1	M8x1.25-LB1-SS	M8x1.25-LB1-316SS	M8x1.25-LB1-NP	9/32	7/16	7/16
5/64 / 2mm	M8x1.25-LB2	M8x1.25-LB2-SS	M8x1.25-LB2-316SS	M8x1.25-LB2-NP	9/32	7/16	7/16
3/32	M8x1.25-LB2 1/2	M8x1.25-LB2 1/2-SS	M8x1.25-LB2 1/2-316SS	M8x1.25-LB2 1/2-NP	9/32	7/16	7/16
1/8	M8x1.25-LB3	M8x1.25-LB3-SS	M8x1.25-LB3-316SS	M8x1.25-LB3-NP	9/32	7/16	17/32
5/32 / 4mm	M8x1.25-LB3 1/2	M8x1.25-LB3 1/2-SS	M8x1.25-LB3 1/2-316SS	M8x1.25-LB3 1/2-NP	9/32	7/16	17/32
.170	M8x1.25-LB4	M8x1.25-LB4-SS	M8x1.25-LB4-316SS	M8x1.25-LB4-NP	9/32	7/16	9/16
3/16	M8x1.25-LB5	M8x1.25-LB5-SS	M8x1.25-LB5-316SS	M8x1.25-LB5-NP	9/32	7/16	19/32
7/32	M8x1.25-LB5 1/2	M8x1.25-LB5 1/2-SS	M8x1.25-LB5 1/2-316SS	M8x1.25-LB5 1/2-NP	9/32	7/16	19/32
6mm	M8x1.25-LB5 3/4	M8x1.25-LB5 3/4-SS	M8x1.25-LB5 3/4-316SS	M8x1.25-LB5 3/4-NP	3/8	7/16	23/32
1/4	M8x1.25-LB6	M8x1.25-LB6-SS	M8x1.25-LB6-316SS	M8x1.25-LB6-NP	3/8	7/16	23/32
5/16 / 8mm	M8x1.25-LB7	M8x1.25-LB7-SS	M8x1.25-LB7-316SS	M8x1.25-LB7-NP	1/2	7/16	27/32
3/8	M8x1.25-LB8	M8x1.25-LB8-SS	M8x1.25-LB8-316SS	M8x1.25-LB8-NP	1/2	1/2	25/32

L2

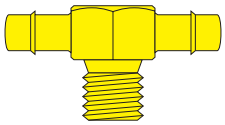
899 M8x1.25 Thread to Tube Tees with Fibre Gasket Supplied

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	M8x1.25-T.031	M8x1.25-T.031-SS	M8x1.25-T.031-316SS	M8x1.25-T.031-NP	9/32	7/16	3/4
.040 / 1mm	M8x1.25-T.040	M8x1.25-T.040-SS	M8x1.25-T.040-316SS	M8x1.25-T.040-NP	9/32	7/16	3/4
3/64	M8x1.25-T.045	M8x1.25-T.045-SS	M8x1.25-T.045-316SS	M8x1.25-T.045-NP	9/32	7/16	3/4
.050	M8x1.25-T.050	M8x1.25-T.050-SS	M8x1.25-T.050-316SS	M8x1.25-T.050-NP	9/32	7/16	3/4
1/16	M8x1.25-T1	M8x1.25-T1-SS	M8x1.25-T1-316SS	M8x1.25-T1-NP	9/32	7/16	7/8
5/64 / 2mm	M8x1.25-T2	M8x1.25-T2-SS	M8x1.25-T2-316SS	M8x1.25-T2-NP	9/32	7/16	7/8
3/32	M8x1.25-T2 1/2	M8x1.25-T2 1/2-SS	M8x1.25-T2 1/2-316SS	M8x1.25-T2 1/2-NP	9/32	7/16	7/8
1/8	M8x1.25-T3	M8x1.25-T3-SS	M8x1.25-T3-316SS	M8x1.25-T3-NP	9/32	7/16	1 1/16
5/32 / 4mm	M8x1.25-T3 1/2	M8x1.25-T3 1/2-SS	M8x1.25-T3 1/2-316SS	M8x1.25-T3 1/2-NP	9/32	7/16	1 1/16
.170	M8x1.25-T4	M8x1.25-T4-SS	M8x1.25-T4-316SS	M8x1.25-T4-NP	9/32	7/16	1 1/8
3/16	M8x1.25-T5	M8x1.25-T5-SS	M8x1.25-T5-316SS	M8x1.25-T5-NP	9/32	7/16	1 3/16
7/32	M8x1.25-T5 1/2	M8x1.25-T5 1/2-SS	M8x1.25-T5 1/2-316SS	M8x1.25-T5 1/2-NP	9/32	7/16	1 3/16
6mm	M8x1.25-T5 3/4	M8x1.25-T5 3/4-SS	M8x1.25-T5 3/4-316SS	M8x1.25-T5 3/4-NP	3/8	7/16	1 7/16
1/4	M8x1.25-T6	M8x1.25-T6-SS	M8x1.25-T6-316SS	M8x1.25-T6-NP	3/8	7/16	1 7/16
5/16 / 8mm	M8x1.25-T7	M8x1.25-T7-SS	M8x1.25-T7-316SS	M8x1.25-T7-NP	1/2	7/16	1 11/16
3/8	M8x1.25-T8	M8x1.25-T8-SS	M8x1.25-T8-316SS	M8x1.25-T8-NP	1/2	1/2	1 9/16

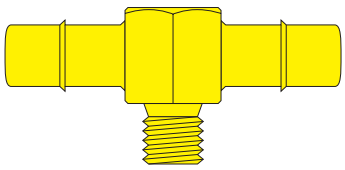




M8x1.25-T.031 M8x1.25-T2



M8x1.25-T4

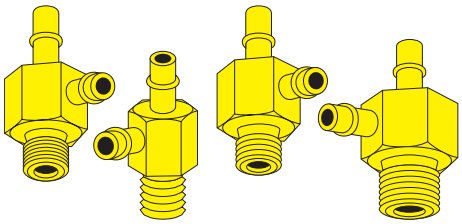


M8x1.25-T7

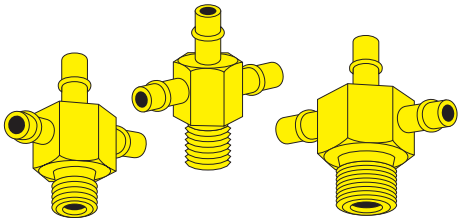
See page 65 for O-Ring options!

Specialty & Custom Metric Fittings Available Upon Request

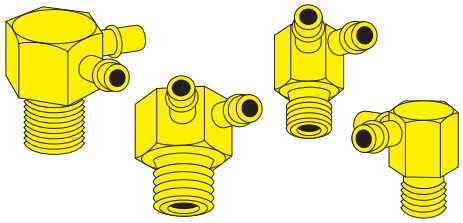
Metric Thread L-Tees



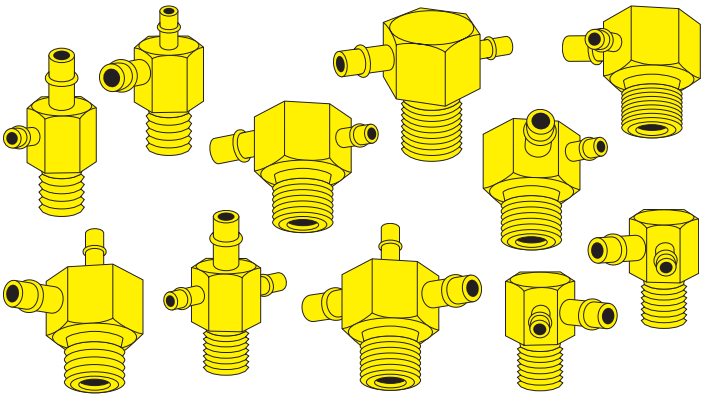
Metric Thread Tee x 3



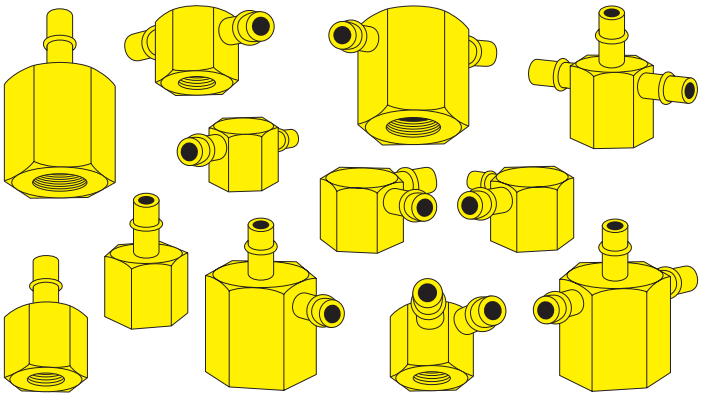
Metric Thread V-Tees



Metric Thread Reducing Fittings



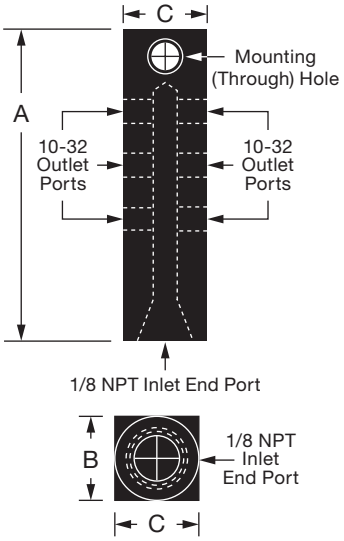
Metric Female Thread Fittings



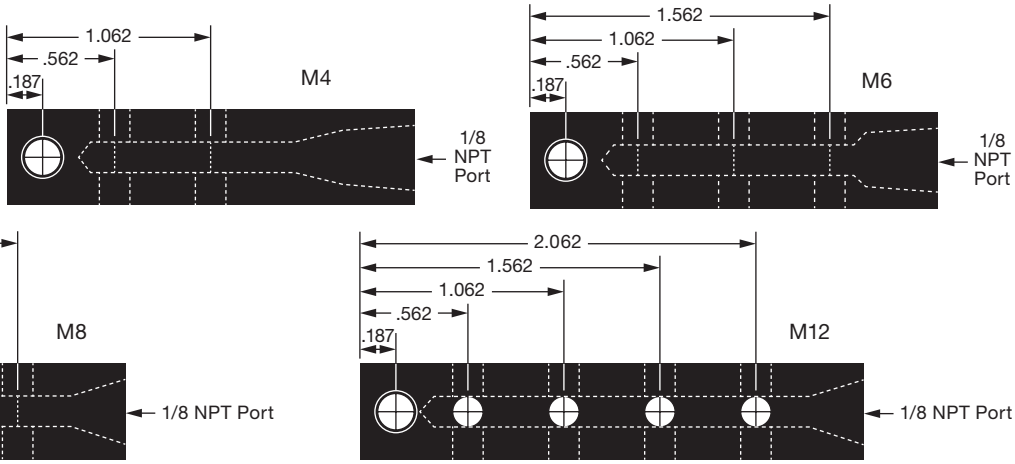
L2

M7 Threads available! Minimum quantities & lead times apply. O-Ring options available! See page 65! Consult factory for details!

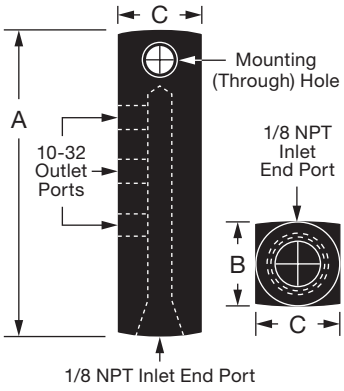
F Series 10-32 Manifolds with 1/8 NPT Inlet — 900



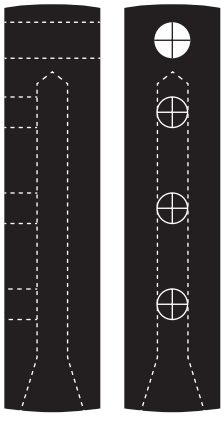
Number of Outlet Ports	Part Numbers					Dimensions (Reference)		
	Black Anodized Aluminum	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate (Brass)	A Ref.	B Ref.	C Ref.
4	M4	M4-BR	M4-SS	M4-316SS	M4-NP	2⅛	½	½
6	M6	M6-BR	M6-SS	M6-316SS	M6-NP	2⅛	½	½
8	M8	M8-BR	M8-SS	M8-316SS	M8-NP	2⅝	½	½
12	M12	M12-BR	M12-SS	M12-316SS	M12-NP	2⅝	½	½



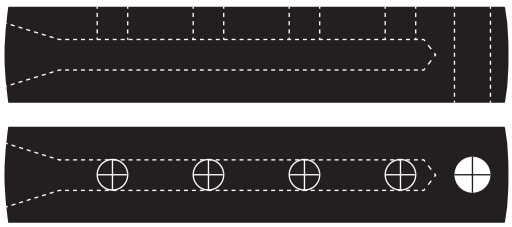
10-32 In-Line Port Manifold with 1/8 NPT One End Port & 3/16 Mounting Hole — 901



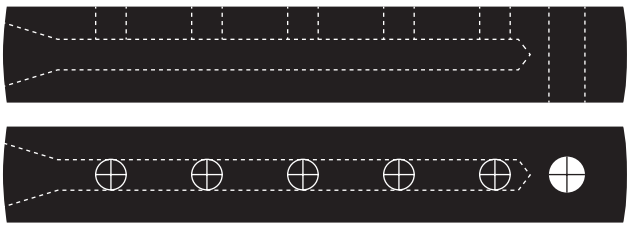
Number of Outlet Ports	Part Numbers					Dimensions (Reference)		
	Black Anodized Aluminum	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate (Brass)	A Ref.	B Ref.	C Ref.
3	MAN3-1/8-10-32-BLK	MAN3-1/8-10-32-BR	MAN3-1/8-10-32-SS	MAN3-1/8-10-32-316SS	MAN3-1/8-10-32-NP	*Consult Factory*		
4	MAN4-1/8-10-32-BLK	MAN4-1/8-10-32-BR	MAN4-1/8-10-32-SS	MAN4-1/8-10-32-316SS	MAN4-1/8-10-32-NP	*Consult Factory*		
5	MAN5-1/8-10-32-BLK	MAN51/8-10-32-SS	MAN5-1/8-10-32-316SS	MAN5-1/8-10-32-NP		*Consult Factory*		



MAN3-1/8-10-32-BLK



MAN4-1/8-10-32-BLK



MAN5-1/8-10-32-BLK

-BLK = Black Anodized

Anodized Aluminum Manifolds are available with various finishes & colors. Minimum quantities & lead times apply.

To order, replace -BLK with the following codes:

-NP = Electroless Nickel Plate

-CC = Clear Coat Anodized

-HC = Hard Coat Anodized

-BL = Blue Anodized

-R = Red Anodized

Other anodized color options also available!

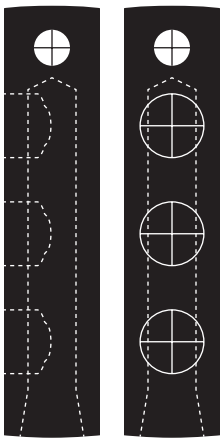
Consult factory for details!

M2

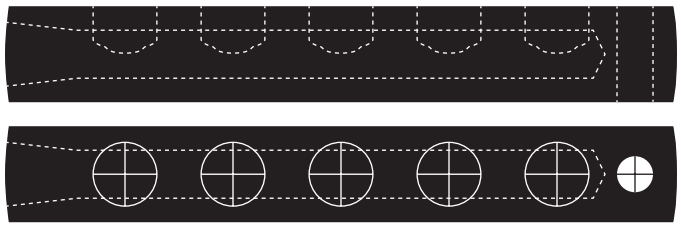
902 1/8 NPT In-Line Port Manifold with 1/8 NPT One End Port & 3/16 Mounting Hole

Number of Outlet Ports	Part Numbers					Dimensions (Reference)		
	Black Anodized Aluminum	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate (Brass)	A Ref.	B Ref.	C Ref.
3	MAN3-1/8-1/8-BLK	MAN3-1/8-1/8-BR	MAN3-1/8-1/8-SS	MAN3-1/8-1/8-316SS	MAN3-1/8-1/8-NP	Consult Factory		
4	MAN4-1/8-1/8-BLK	MAN4-1/8-1/8-BR	MAN4-1/8-1/8-SS	MAN4-1/8-1/8-316SS	MAN4-1/8-1/8-NP	Consult Factory		
5	MAN5-1/8-1/8-BLK	MAN5-1/8-1/8-BR	MAN5-1/8-1/8-SS	MAN5-1/8-1/8-316SS	MAN5-1/8-1/8-NP	Consult Factory		

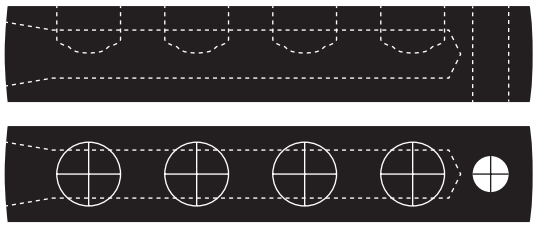
Note: *Images are for visual representation only; not intended for dimensional measurements.*



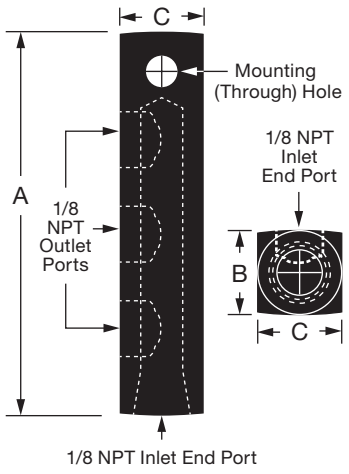
MAN3-1/8-1/8-BLK

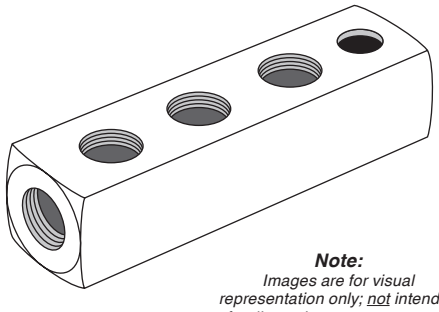


MAN5-1/8-1/8-BLK



MAN4-1/8-1/8-BLK

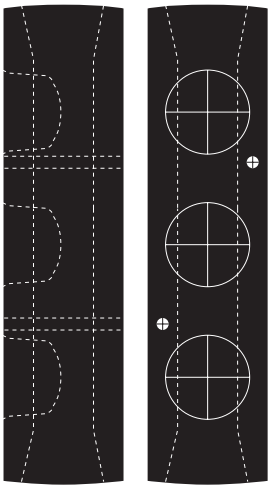




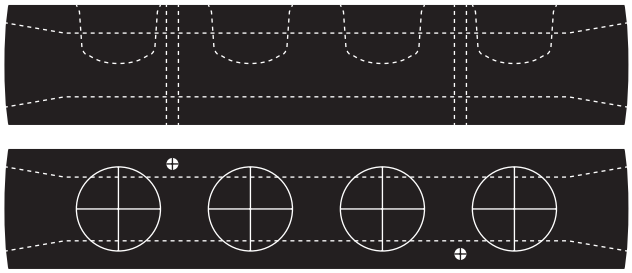
Note:
Images are for visual representation only; not intended for dimensions measurements.

903 1/4 NPT In-Line Port Manifold with Two 1/4 NPT End Port & Mounting Holes

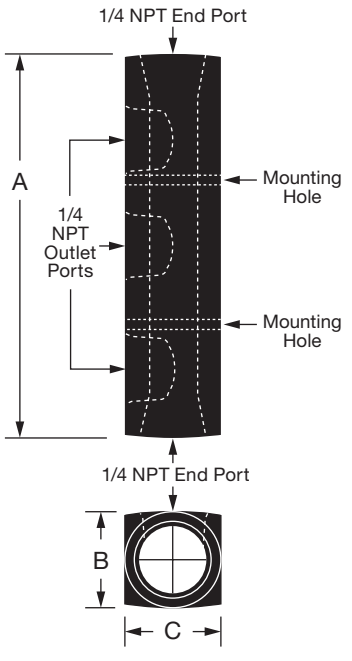
Number of Outlet Ports	Part Numbers					Dimensions (Reference)		
	Black Anodized Aluminum	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate (Brass)	A Ref.	B Ref.	C Ref.
3	MAN3-1/4-1/4-BLK	MAN3-1/4-1/4-BR	MAN3-1/4-1/4-SS	MAN3-1/4-1/4-316SS	MAN3-1/4-1/4-NP	Consult Factory		
4	MAN4-1/4-1/4-BLK	MAN4-1/4-1/4-BR	MAN4-1/4-1/4-SS	MAN4-1/4-1/4-316SS	MAN4-1/4-1/4-NP	Consult Factory		
5	MAN5-1/4-1/4-BLK	MAN5-1/4-1/4-BR	MAN5-1/4-1/4-SS	MAN5-1/4-1/4-316SS	MAN5-1/4-1/4-NP	Consult Factory		



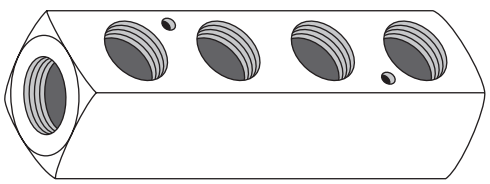
MAN3-1/4-1/4-BLK



MAN4-1/4-1/4-BLK



Anodized Aluminum Manifolds can also be Nickel Plated, Clear Coat Anodized, or Hard Coat Anodized! Anodized color options listed on previous page! Minimum quantities & lead times apply!



Dual Inlet Manifolds with 2 In-line Ports 904

Inlet Thread Size	Outlet Thread Size	Part Numbers					Dimensions (Reference)					
		Black Anodized Aluminum	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate (Brass)	A Ref.	B Ref.	C Ref.	D Ref.	E Ref.	F Dia.
¼	⅛	MAN2-1/4-ALN	MAN2-1/4-BR	MAN2-1/4-SS	MAN2-1/4-316SS	MAN2-1/4-NP	1¾	1	1	¾	N/A	0.17
⅜	¼	MAN2-3/8-ALN	MAN2-3/8-BR	MAN2-3/8-SS	MAN2-3/8-316SS	MAN2-3/8-NP	2⅜	1¼	1¼	⅞	N/A	0.20
½	⅜	MAN2-1/2-ALN	MAN2-1/2-BR	MAN2-1/2-SS	MAN2-1/2--316SS	MAN2-1/2-NP	2¾	1½	1½	1	N/A	0.20

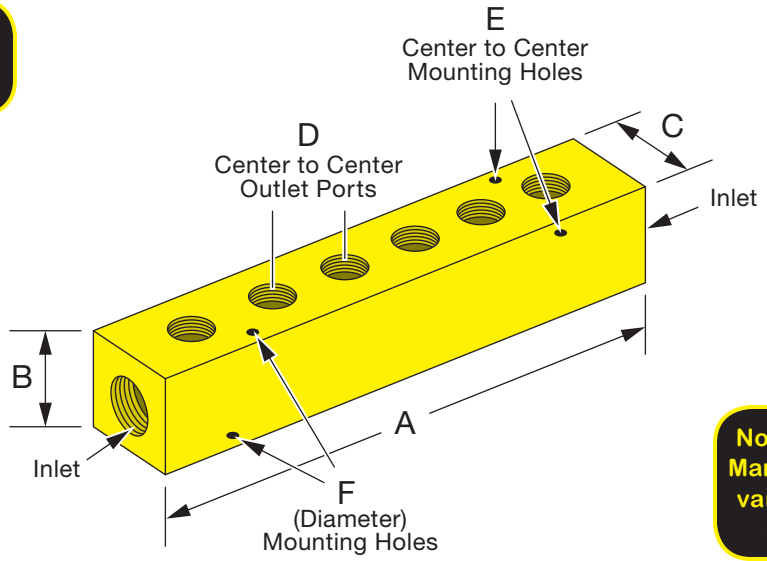
Dual Inlet Manifolds with 4 In-line Ports 905

Inlet Thread Size	Outlet Thread Size	Part Numbers					Dimensions (Reference)					
		Black Anodized Aluminum	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate (Brass)	A Ref.	B Ref.	C Ref.	D Ref.	E Ref.	F Dia.
¼	⅛	MAN4-1/4-ALN	MAN4-1/4-BR	MAN4-1/4-SS	MAN4-1/4-316SS	MAN4-1/4-NP	3¼	1	1	¾	1½	0.17
⅜	¼	MAN4-3/8-ALN	MAN4-3/8-BR	MAN4-3/8-SS	MAN4-3/8-316SS	MAN4-3/8-NP	4⅛	1¼	1¼	⅞	1¾	0.20
½	⅜	MAN4-1/2-ALN	MAN4-1/2-BR	MAN4-1/2-SS	MAN4-1/2-316SS	MAN4-1/2-NP	4¾	1½	1½	1	2	0.20

Dual Inlet Manifolds with 6 In-line Ports 906

Inlet Thread Size	Outlet Thread Size	Part Numbers					Dimensions (Reference)					
		Black Anodized Aluminum	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate (Brass)	A Ref.	B Ref.	C Ref.	D Ref.	E Ref.	F Dia.
¼	⅛	MAN6-1/4-ALN	MAN6-1/4-BR	MAN6-1/4-SS	MAN6-1/4-316SS	MAN6-1/4-NP	4¾	1	1	¾	3	0.17
⅜	¼	MAN6-3/8-ALN	MAN6-3/8-BR	MAN6-3/8-SS	MAN6-3/8-316SS	MAN6-3/8-NP	5⅞	1¼	1¼	⅞	3½	0.20
½	⅜	MAN6-1/2-ALN	MAN6-1/2-BR	MAN6-1/2-SS	MAN6-1/2-316SS	MAN6-1/2-NP	6¾	1½	1½	1	4	0.20

Note: These part numbers have changed since the last catalog.



Note: Anodized Aluminum Manifolds are available with various finishes & colors. See list on page 488!

Manifolds are offered a variety of materials; see next page for options. Consult factory for details!

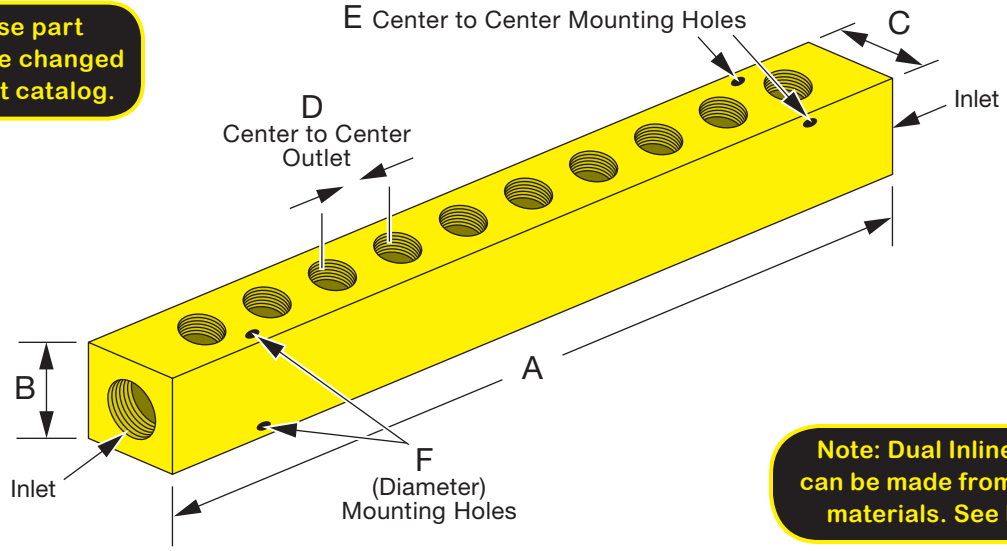
907 Dual Inlet Manifolds with 8 In-line Ports

Inlet Thread Size	Outlet Thread Size	Part Numbers					Dimensions (Reference)					
		Black Anodized Aluminum	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate (Brass)	A Ref.	B Ref.	C Ref.	D Ref.	E Ref.	F Dia.
¼	⅛	MAN8-1/4-ALN	MAN8-1/4-BR	MAN8-1/4-SS	MAN8-1/4-316SS	MAN8-1/4-NP	6¼	1	1	¾	4½	0.17
⅜	¼	MAN8-3/8-ALN	MAN8-3/8-BR	MAN8-3/8-SS	MAN8-3/8-316SS	MAN8-3/8-NP	7⅝	1¼	1¼	⅞	5¼	0.20
½	⅜	MAN8-1/2-ALN	MAN8-1/2-BR	MAN8-1/2-SS	MAN8-1/2-316SS	MAN8-1/2-NP	8¾	1½	1½	1	6	0.20

908 Dual Inlet Manifolds with 10 In-line Ports

Inlet Thread Size	Outlet Thread Size	Part Numbers					Dimensions (Reference)					
		Black Anodized Aluminum	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate (Brass)	A Ref.	B Ref.	C Ref.	D Ref.	E Ref.	F Dia.
¼	⅛	MAN10-1/4-ALN	MAN10-1/4-BR	MAN10-1/4-SS	MAN10-1/4-316SS	MAN10-1/4-NP	7¾	1	1	¾	6	0.17
⅜	¼	MAN10-3/8-ALN	MAN10-3/8-BR	MAN10-3/8-SS	MAN10-3/8-316SS	MAN10-3/8-NP	9⅜	1¼	1¼	⅞	7	0.20
½	⅜	MAN10-1/2-ALN	MAN10-1/2-BR	MAN10-1/2--SS	MAN10-1/2-316SS	MAN10-1/2-NP	10¾	1½	1½	1	8	0.20

Note: These part numbers have changed since the last catalog.



Note: Dual Inline Manifolds can be made from a variety of materials. See list below!

Manifolds Material Options

Material Code	Manifold Material	Temperature Range	Pressure Max PSI
ACN-150	Delrin Natural	-20° to +180°F	200
ACB	Delrin Black	-20° to +180°F	200
NYL	Nylon	-60° to +100°F	200
P	Polypropylene	+32° to +230°F	150
PLY	Polypropylene Black	+32° to +230°F	150

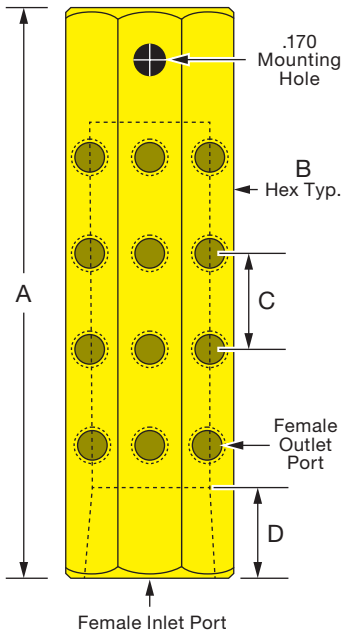
Material Code	Manifold Material	Temperature Range	Pressure Max PSI
PVD	PVDF Kynar®	-65° to +230°F	150
PVG	PVC Gray	+32° to +140°F	150
PWF	PVC White	+32° to +140°F	150
TEF	PTFE Teflon®	-20° to +180°F	120
ALN	Aluminum (6061 Black Anodized)	-10° to +200°F	1,000
AL	Aluminum (Natural Color)	-10° to +200°F	1,000

Material Code	Manifold Material	Temperature Range	Pressure Max PSI
BR	360 Brass	-60° to +250°F	2,000
NP	Electroless Nickel Plate	-65° to +250°F	2,000
SS303	303 Stainless Steel	-100° to +500°F	3,500
SS304	304 Stainless Steel	-100° to +500°F	3,500
SS316	316 Stainless Steel	-100° to +500°F	3,500

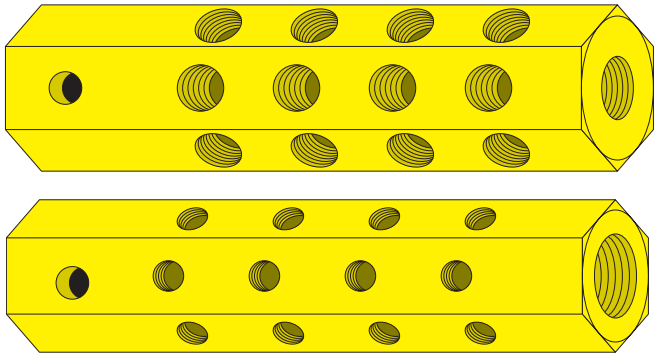
How to Order: MAN (Part No. Prefix) 2 (# of Outlets) - 1/2 (Inlet Thread Size) - 1/8 (Outlet Thread Size) - PVG (Manifold Material)

Note: The outlet thread number is omitted if it is one size smaller that the inlet thread size.

In-line Manifolds with 12 Ports and Hex Bodies 909



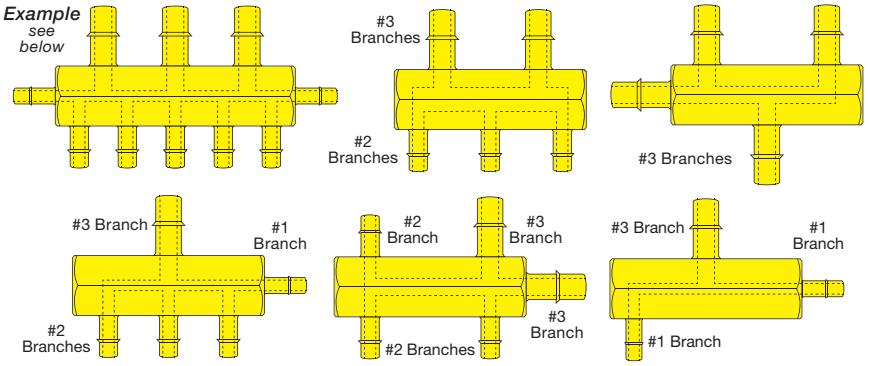
Inlet Thread Size	Outlet Thread Size	Part Numbers					Dimensions (Reference)			
		Black Anodized Aluminum	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Ref.	C Ref.	D Ref.
⅛	1/16	MAN12-1/8x1/16-ALN	MAN12-1/8x 1/16-BR	MAN12-1/8x 1/16-SS	MAN12-1/8x 1/16-316SS	MAN12-1/8x 1/16-NP	3.00	¾	½	½
¼	10-32	MAN12-1/4x 10-32-ALN	MAN12-1/4x 10-32-BR	MAN12-1/4x 10-32-SS	MAN12-1/4x 10-32-316SS	MAN12-1/4x 10-32-NP	3.00	11/16	½	½
¼	1/16	MAN12-1/4x 1/16-ALN	MAN12-1/4x 1/16-BR	MAN12-1/4x 1/16-SS	MAN12-1/4x 1/16-316SS	MAN12-1/4x 1/16-NP	3.00	¾	½	½
¼	⅛	MAN12-1/4x 1/8-ALN	MAN12-1/4x1/8-BR	MAN12-1/4x 1/8-SS	MAN12-1/4x 1/8-316SS	MAN12-1/4x 1/8-NP	3.50	⅞	⅝	⅝



Anodized Aluminum Manifolds can be supplied as Nickel Plated, Clear Coat Anodized, or Hard Coat Anodized! Other color/finish options are listed on page 488! Minimum quantities and lead times apply! Consult factory for details!

Tube to Tube Mixed Branch Manifolds with Hex Bodies 910

Tube to Tube Mixed Branch Manifolds with Hex Bodies are customized to match your specific needs. Use the template below to indicate branch sizes and locations! Minimum quantities and lead times apply! Consult factory for details!



Branch sizes & Tube ID's listed on next page!

Material options listed on next page!

Square body Manifolds also available! Consult factory for details!

Mixed Branch Manifold with Hex Bodies Template for Branch Sizes and Locations

To Use:

Indicate the desired location of each branch by writing the numbers 1 through 12 (1 = 1st Branch, etc.) on the hex diagram below. Mark the coordinating Branch Number (size) in the chart below. Reference tables on pages 494 for Branch Numbers and Tube ID's. Upon receipt of this template, a part number* will be issued. Note: the manifold body length, hex flat dimension, and number of branches that will fit on the manifold will vary depending on the branch sizes desired. Consult factory for dimensions. The number of branches, depending on size and location, are not limited to 12. V-Tee options are also available.

Consult factory for details!

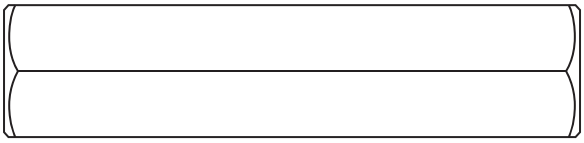
Branch Numbers:

1st Branch (1) = _____ 5th Branch (5) = _____ 9th Branch (9) = _____

2nd Branch (2) = _____ 6th Branch (6) = _____ 10th Branch (10) = _____

3rd Branch (3) = _____ 7th Branch (7) = _____ 11th Branch (11) = _____

4th Branch (4) = _____ 8th Branch (8) = _____ 12th Branch (12) = _____



**Part numbers will vary depending on branch configuration.*

Example:
(see image above)

Three #3 Branches (Branches 1 - 3)
Two #1 Branches (Branches 4 & 10)
Five #2 Braches (Branches 5-9)

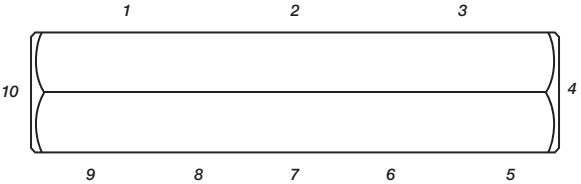
Branch Numbers:

1st Branch (1) = 3 5th Branch (5) = 2 9th Branch (9) = 2

2nd Branch (2) = 3 6th Branch (6) = 2 10th Branch (10) = 1

3rd Branch (3) = 3 7th Branch (7) = 2 11th Branch (11) = n/a

4th Branch (4) = 1 8th Branch (8) = 2 12th Branch (12) = n/a



M2

911 Block Terminal Manifolds

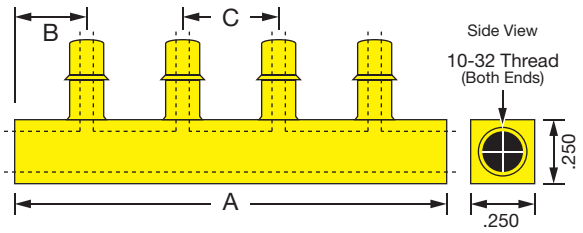
Number of Terminals	Dimensions (Reference) A Ref.	B Ref.	C Ref.
2	.940	.281	.375
4	1.687	.281	.375
6	2.437	.281	.375

Number of Terminals	Dimensions (Reference) A Ref.	B Ref.	C Ref.
8	3.187	.281	.375
10	3.937	.281	.375
12	4.687	.281	.375

Branches Tube ID	Branch Number
1/32	.031
.040 / 1mm	.040
3/64	.045

Branches Tube ID	Branch Number
.050	.050
1/16	1
5/64 / 2mm	2

Branches Tube ID	Branch Number
3/32	2 1/2
1/8	3
5/32 / 4mm	3 1/2



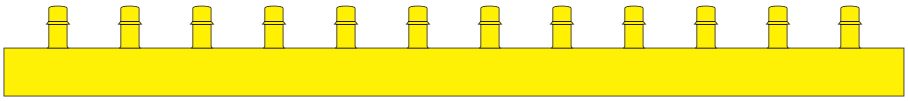
Part Numbers for Block Terminal Manifolds:

Fitting Series → **BTM** - **#** - **##** ← Number of Branches

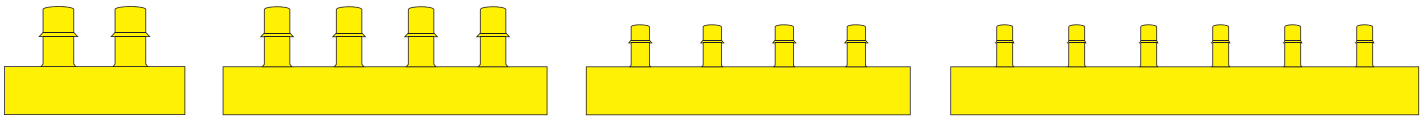
← Branch Number

Unless otherwise specified, parts will be Brass.
To order other materials, please add the following codes to the part number:
-SS = Stainless Steel 303 • **-316SS** = Stainless Steel 316 • **-NP** = Electroless Nickel Plate

Both ends are used as the air supply! One end may be used as the air supply while the other is plugged. Consult factory for details!

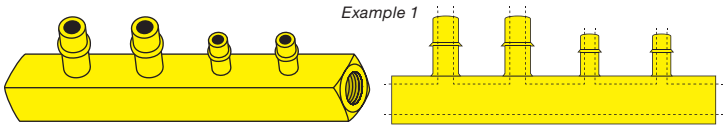


BTM-2-12

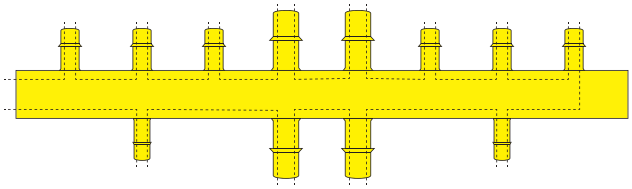


BTM-3 1/2-02 | BTM-3-04 | BTM-2-04 | BTM-1-06

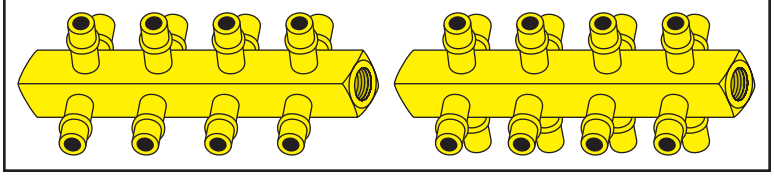
912 Mixed Branch Block Terminal Manifolds



Block Terminal Manifolds can be customized to match your specific needs. Use the template below to indicate branch sizes & locations! Consult factory for details!



Branches can be on all four sides! Contact factory for options & availability!



Mixed Branch Block Terminal Manifold Template for Indicating Branch Sizes and Locations

To Use: Indicate the desired location of each branch by writing the numbers 1 through 12 (1 = 1st Branch, etc.) on the diagram below. Mark the coordinating Branch Number (size) in the chart below. Reference the tables above for Branch Numbers and Tube ID's. Indicate which end(s) are to be used for the air supply. Upon receipt of this template, a part number will be issued. ***Note:*** Branches can be placed on all four sides of the block. ***Consult factory for details!***

Branch Numbers:

1st Branch (1) = ____ 5th Branch (5) = ____ 9th Branch (9) = ____

2nd Branch (2) = ____ 6th Branch (6) = ____ 10th Branch (10) = ____

3rd Branch (3) = ____ 7th Branch (7) = ____ 11th Branch (11) = ____

4th Branch (4) = ____ 8th Branch (8) = ____ 12th Branch (12) = ____

☐ Air Supply → [ ] ← ☐ Air Supply

Example 1: *(see image above)*

Top side:
Two #3 Branches
Two #2 Branches

No branches other sides
Both ends are used as air supply.

Branch Numbers:

1st Branch (1) = *3* 5th Branch (5) = *n/a* 9th Branch (9) = *n/a*

2nd Branch (2) = *3* 6th Branch (6) = *n/a* 10th Branch (10) = *n/a*

3rd Branch (3) = *2* 7th Branch (7) = *n/a* 11th Branch (11) = *n/a*

4th Branch (4) = *2* 8th Branch (8) = *n/a* 12th Branch (12) = *n/a*

☑ Air Supply → 1 2 3 4 ← ☑ Air Supply

Example 2: *(see image above)*

Top side:
Three #2 Branches
Two #3 Branches

Bottom side:
One #1 Branch
Two #3 Branches
One #1 Branch
Left end (only) is used as air supply.

Branch Numbers:

1st Branch (1) = *2* 5th Branch (5) = *3* 9th Branch (9) = *1*

2nd Branch (2) = *2* 6th Branch (6) = *2* 10th Branch (10) = *3*

3rd Branch (3) = *2* 7th Branch (7) = *2* 11th Branch (11) = *3*

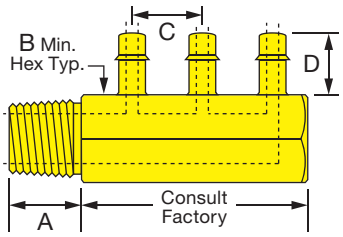
4th Branch (4) = *3* 8th Branch (8) = *2* 12th Branch (12) = *1*

☑ Air Supply → 1 2 3 4 5 6 7 8 ← ☐ Air Supply

9 10 11 12

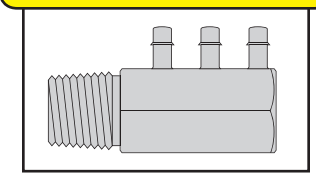
M2

Male Thread Manifold Fittings 913



Number of branches/ports vary depending on branch size. Body Length will vary depending on number of branches.

Example Part Number:
1/8M-2x3-NP
1/8 NPT Male Thread
Three #2 Branches (2mm Tube ID)
Material: Electroless Nickel Plate



Thread Size	Dimensions (Reference) A Ref.	B Min.
10-32	5/32	1/4
1/4-28 (4-28)	1/4	5/16
1/16	1/3	3/8
1/8	3/8	7/16
1/4	9/16	11/16
3/8	1/2	13/16
1/2	11/16	1

Branches Tube ID	Branch #	Dimensions (Reference) C Ref.	D Ref.	# of Port Options
1/16	1	1/4	7/32	9
5/64 / 2mm	2	1/4	7/32	9
3/32	2 1/2	1/4	7/32	8
1/8	3	5/16	5/16	8
5/32 / 4mm	3 1/2	5/16	5/16	6

Branches Tube ID	Branch #	Dimensions (Reference) C Ref.	D Ref.	# of Port Options
.170	4	3/8	11/32	6
3/16	5	Consult Factory	3/8	6
7/32	5 1/2		3/8	6
6mm	5 3/4		1/2	6
1/4	6		1/2	6

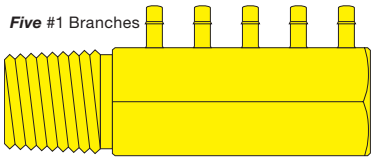
Larger Tube ID Branches available! Consult factory!

Material options below!

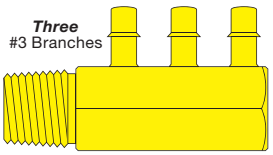
To simplify part numbers, these numbers have changed since previous catalog.

Part Numbers for Male Thread Manifold Fittings:

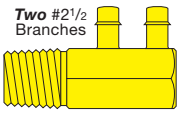
Thread Size → #/# → Fitting Series → M - # → Branch Number x # → Number of Branches



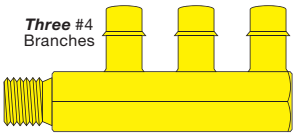
1/4M-1x5



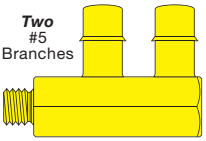
1/8M-3x3



1/16M-2 1/2x2

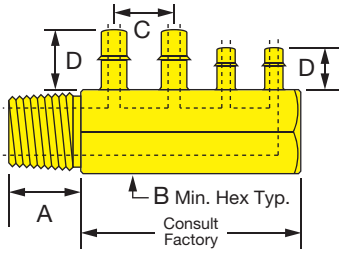


4-28M-4x3



10-32M-5x2

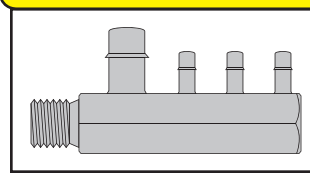
Male Thread Mixed Branch Manifold Fittings 914



Number of branches/ports vary depending on Tube ID size. Body Length will vary depending on number of branches.

Use the template on page 497 to indicate branch sizes and placement!

Example Part Number:
4-28MM-4x1-1x4-SS
1/4-28 Male Thread
One #3 Branch (.170 Tube ID)
Four #1 Branches (1/16 Tube ID)
Material: Stainless Steel 303



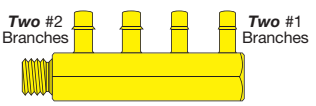
Thread Size	Dimensions (Reference) A Ref.	B Min.
10-32	5/32	1/4
1/4-28 (4-28)	1/4	5/16
1/16	1/3	3/8
1/8	3/8	7/16
1/4	9/16	11/16
3/8	1/2	13/16
1/2	11/16	1

Branches Tube ID	Branch #	Dimensions (Reference) C Ref.	D Ref.	# of Port Options
1/16	1	Consult Factory	7/32	Consult Factory
5/64 / 2mm	2		7/32	
3/32	2 1/2		7/32	
1/8	3		5/16	
5/32 / 4mm	3 1/2		5/16	

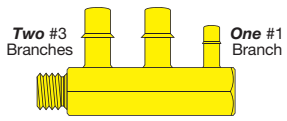
Branches Tube ID	Branch #	Dimensions (Reference) C Ref.	D Ref.	# of Port Options
.170	4	Consult Factory	11/32	Consult Factory
3/16	5		3/8	
7/32	5 1/2		3/8	
6mm	5 3/4		1/2	
1/4	6		1/2	

Fitting Series Code = MM

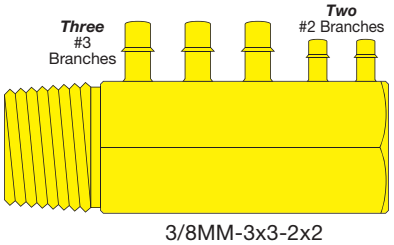
Numerous ports & branch sizes on one Manifold!



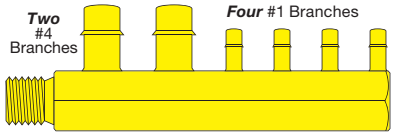
10-32MM-2x2-1x2



10-32MM-3x2-1x1



3/8MM-3x3-2x2



4-28MM-4x2-1x4

O-Ring options available!

Branches can be arranged in numerous of combinations to accommodate specific requirements. Consult factory for details!

Unless otherwise specified, parts will be Brass. To order other materials, please add the following codes to the end of part number:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

M2

915 Male Thread Tee Manifold Fittings

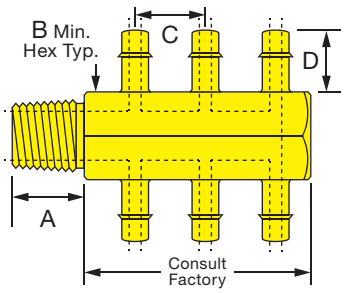
Thread Size	Dimensions (Reference) A Ref.	B Min.
10-32	5/32	1/4
1/4-28 (4-28)	1/4	5/16
1/16	1/3	3/8
1/8	3/8	7/16
1/4	9/16	11/16
3/8	1/2	13/16
1/2	11/16	1

Branches Tube ID	Branch #	Dimensions (Reference) C Ref.	D Ref.	# of Port Options
1/16	1	1/4	7/32	9
5/64 / 2mm	2	1/4	7/32	9
3/32	2 1/2	1/4	7/32	8
1/8	3	5/16	5/16	8
5/32 / 4mm	3 1/2	5/16	5/16	6

Branches Tube ID	Branch #	Dimensions (Reference) C Ref.	D Ref.	# of Port Options
.170	4	3/8	11/32	6
3/16	5	Consult Factory	3/8	6
7/32	5 1/2		3/8	6
6mm	5 3/4		1/2	6
1/4	6		1/2	6

Larger Tube ID Branches available! Consult factory!

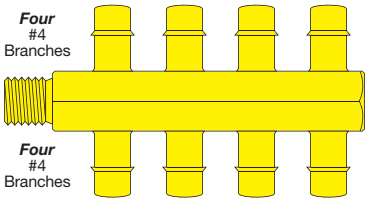
Material options are listed on previous page!



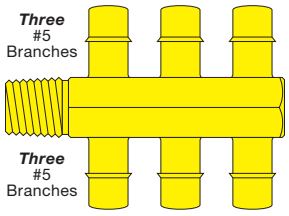
Number of branches/ports vary depending on branch size. Body Length will vary depending on number of branches.

Part Numbers for Male Thread Tee Manifold Fittings:

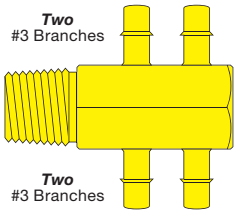
Thread Size → #/# — MTM (Fitting Series) — - — # (Branch Number) — x — # ← Number of Branches



4-28MTM-4x4

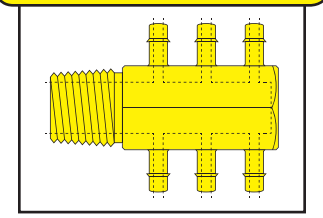


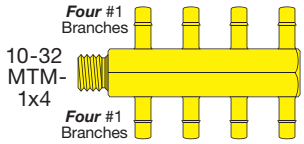
1/16MTM-5x3



1/8MTM-3x2

Example Part Number:
1/8MTM-2x3
1/8 NPT Male Thread
Three #2 Branches (2mm Tube ID) on each side; Material: Brass





916 Male Thread Mixed Branch Tee Manifold Fittings

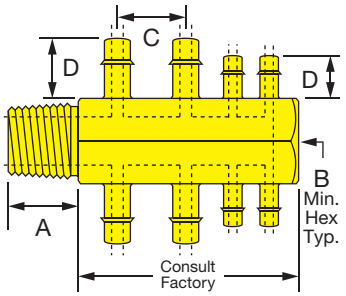
Thread Size	Dimensions (Reference) A Ref.	B Min.
10-32	5/32	1/4
1/4-28 (4-28)	1/4	5/16
1/16	1/3	3/8
1/8	3/8	7/16
1/4	9/16	11/16
3/8	1/2	13/16
1/2	11/16	1

Branches Tube ID	Branch #	Dimensions (Reference) C Ref.	D Ref.	# of Port Options
1/16	1	Consult Factory	7/32	Consult Factory
5/64 / 2mm	2		7/32	
3/32	2 1/2		7/32	
1/8	3		5/16	
5/32 / 4mm	3 1/2		5/16	

Branches Tube ID	Branch #	Dimensions (Reference) C Ref.	D Ref.	# of Port Options
.170	4	Consult Factory	11/32	Consult Factory
3/16	5		3/8	
7/32	5 1/2		3/8	
6mm	5 3/4		1/2	
1/4	6		1/2	

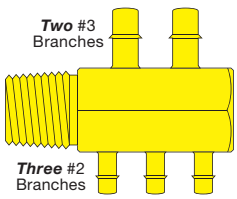
Material options are listed on previous page!

Fitting Series Code = MMT

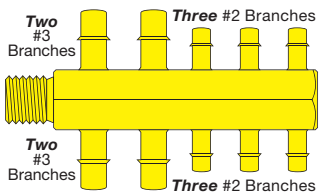


Number of branches/ports vary depending on Tube ID size. Body Length will vary depending on number of branches.

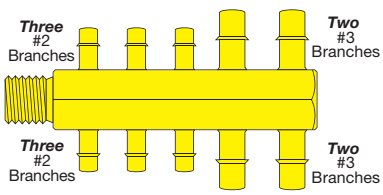
Use the template on page 497 to indicate branch sizes and placement!



1/8MMT-3x2-2x3

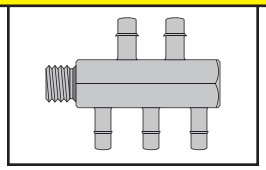


4-28MMT-3x2-2x3-3x2-2x3



4-28MMT-2x3-3x2-2x3-3x2

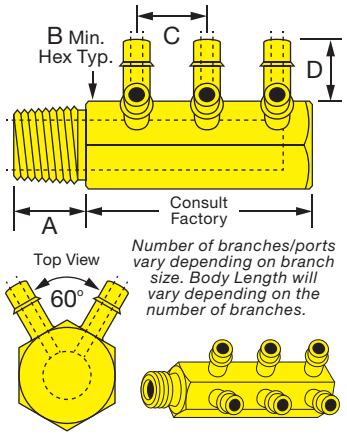
Example Part Number:
10-32MMT-2x2-1x3-316SS
10-32 Male Thread; Each side:
Two #2 Branches (2mm Tube ID)
Three #1 Branches (1/16 Tube ID)
Material: Stainless Steel 316



Branches can be arranged in a variety of size combinations and locations to accommodate specific requirements.

Numerous ports & branch sizes on one Manifold!

Male Thread V-Tee Manifold Fittings 917



Thread Size	Dimensions (Reference) A Ref.	B Min.
10-32	5/32	1/4
1/4-28 (4-28)	1/4	5/16
1/16	1/3	3/8
1/8	3/8	7/16
1/4	9/16	11/16
3/8	1/2	13/16
1/2	11/16	1

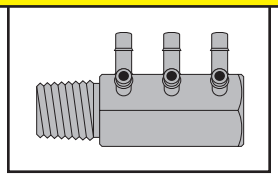
Branches Tube ID	Branch #	Dimensions (Reference) C Ref.	D Ref.	# of Port Options (ea. side)
1/16	1	1/4	7/32	9
5/64 / 2mm	2	1/4	7/32	9
3/32	2 1/2	1/4	7/32	8
1/8	3	5/16	5/16	8
5/32 / 4mm	3 1/2	5/16	5/16	6

Branches Tube ID	Branch #	Dimensions (Reference) C Ref.	D Ref.	# of Port Options (ea. side)
.170	4	3/8	11/32	6
3/16	5	Consult Factory	3/8	6
7/32	5 1/2		3/8	6
6mm	5 3/4		1/2	6
1/4	6		1/2	6

Branches with larger Tube ID's are available! Consult factory for details!

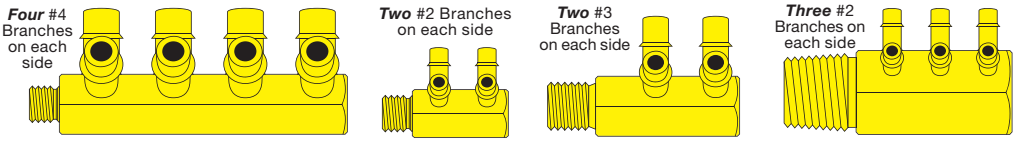
Male V-Tee Manifolds with 120° branches also available! Consult factory for details!

Example Part Number:
1/16MVM-1x3-316SS
1/16 NPT Male Thread
Three #1 Branches on each side (branches at 60° angle; 1/16 Tube ID)
Material: 316 Stainless Steel



Part Numbers for Male Thread Manifold Fittings:

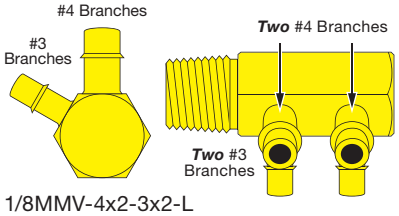
Thread Size → #/# (Fitting Series) MVM - # (Branch Number) x # ← Number of Branches



10-32MVM-4x4 | 10-32MVM-2x2 | 4-28MVM-3x2 | 1/8MVM-2x3

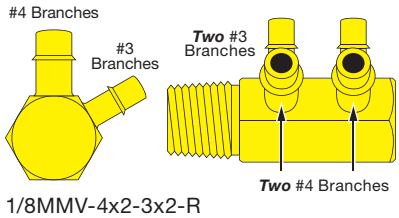
Unless otherwise specified, parts will be Brass. To order other materials, please add the following codes to the end of part number:
-SS = Stainless Steel 303 **-316SS** = Stainless Steel 316 **-NP** = Electroless Nickel Plate

Male Thread Mixed Branch V-Tee Manifold Options



1/8MMV-4x2-3x2-L

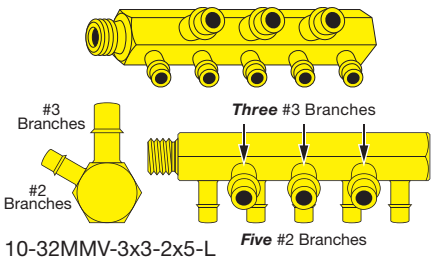
Left Branch V-Tee Manifolds have the 2nd set of branches 60° to the left (top view).



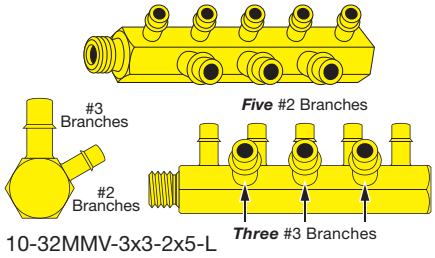
1/8MMV-4x2-3x2-R

Right Branch V-Tee Manifolds have the 2nd set branches 60° to the right (top view).

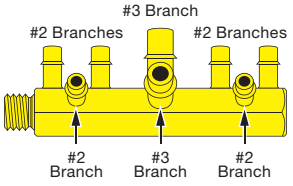
Consult factory for details!!

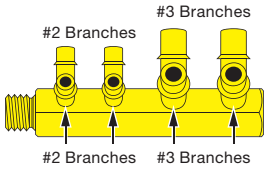


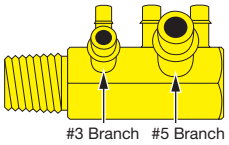
10-32MMV-3x3-2x5-L

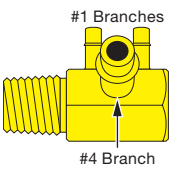


10-32MMV-3x3-2x5-L



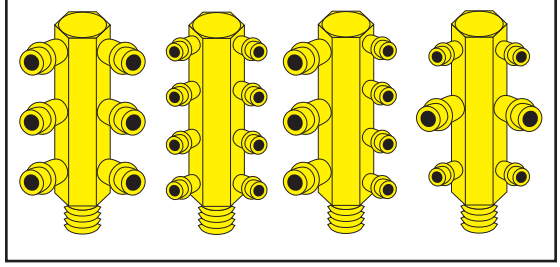


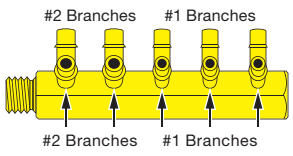


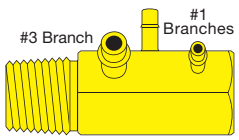


Fitting Series Code = MMV

V-Tee Manifolds available with 120° branches!







Use the template on page 497 to indicate branch sizes and locations!

Branches can be arranged to accommodate specific requirements!

O-Ring options available! O-Ring materials listed on page 65! Consult factory for details!

M2

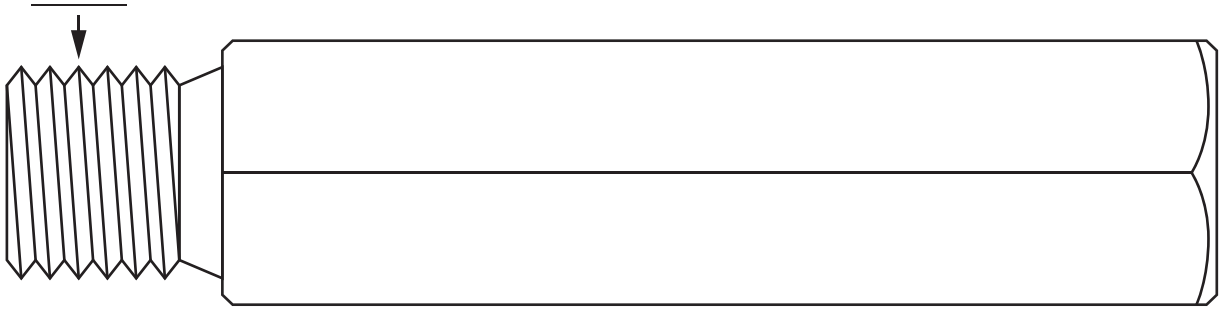
Mixed Branch Manifold Template for Branch Sizes and Locations

To Use:

Indicate the desired location of each branch by writing the numbers 1 through 9 (1 = 1st Branch, etc.) on the hex diagram on the below. Mark the coordinating Branch Number (size) in the chart below. Mark the desired Thread Size in the area provided on the diagram. Reference tables on pages 494 - 496 for Fitting Series Codes, Thread Sizes, Branch Numbers and Tube ID's. Upon receipt of this template, a part number* will be issued. Note: The manifold body length and number of branches that fit on the manifold will vary depending on the branch sizes desired.

Thread Size = _____ ***Consult factory for details!***

**Part numbers will vary depending on branch configuration*



Branch Numbers:

This chart may not accommodate the wide variety of options available. Consult factory if help is needed!

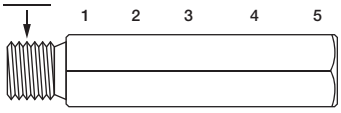
1st Branch (1) = _____ 4th Branch (4) = _____ 7th Branch (7) = _____

2nd Branch (2) = _____ 5th Branch (5) = _____ 8th Branch (8) = _____

3rd Branch (3) = _____ 6th Branch (6) = _____ 9th Branch (9) = _____

Examples:

Thread Size = ***4-28***



Branch Numbers:

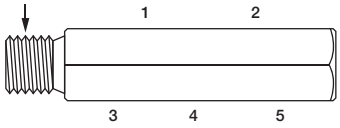
1st Branch (1) = 3 4th Branch (4) = 1 7th Branch (7) = n/a

2nd Branch (2) = 1 5th Branch (5) = 1 8th Branch (8) = n/a

3rd Branch (3) = 1 6th Branch (6) = n/a 9th Branch (9) = n/a

4-28MM-3x1-1x4
Mixed Branch Manifold • 1/4-28 Thread
One #3 Branches (1st)
Four #1 Branches (2nd, 3rd, 4th, 5th)
(see sample image on page 494!)

Thread Size = ***10-32***



Branch Numbers:

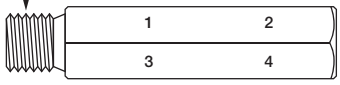
1st Branch (1) = 2 4th Branch (4) = 1 7th Branch (7) = n/a

2nd Branch (2) = 2 5th Branch (5) = 1 8th Branch (8) = n/a

3rd Branch (3) = 1 6th Branch (6) = n/a 9th Branch (9) = n/a

10-32MMT-2x2-1x3
Mixed Branch Tee Manifold • 10-32 Thread
Two #2 Branches (1st, 2nd)
Three #1 Branches (3rd, 4th, 5th)
(see sample image on page 495!)

Thread Size = ***1/8***



Branch Numbers:

1st Branch (1) = 4 4th Branch (4) = 3 7th Branch (7) = n/a

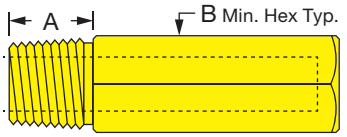
2nd Branch (2) = 4 5th Branch (5) = n/a 8th Branch (8) = n/a

3rd Branch (3) = 3 6th Branch (6) = n/a 9th Branch (9) = n/a

1/8MMV-4x2-3x2-L
Mixed Branch V-Tee Manifold • 1/8 NPT Thread
Two #4 Branches (1st, 2nd)
Two #3 Branches (3rd, 4th at 60° to the left of 1st & 2nd)
(see sample image on page 496!)

918 Male Thread Manifold Blanks

Thread	Body Length	Part Numbers: Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	Dimensions (Reference) A Ref.	B Min.
10-32	13/16	10-32MB13/16	10-32MB13/16-SS	10-32MB13/16-SS316	10-32MB13/16-NP	5/32	5/16
10-32	1 1/8	10-32MB11/8	10-32MB11/8-SS	10-32MB11/8-SS316	10-32MB11/8-NP	5/32	5/16
10-32	1 7/16	10-32MB17/16	10-32MB17/16-SS	10-32MB17/16-SS316	10-32MB17/16-NP	5/32	5/16
1/8	13/16	1/8MB13/16	1/8MB13/16-SS	1/8MB13/16-SS316	1/8MB13/16-NP	3/8	7/16
1/8	1 1/8	1/8MB11/8	1/8MB11/8-SS	1/8MB11/8SS316	1/8MB11/8-NP	3/8	7/16
1/8	1 7/16	1/8MB17/16	1/8MB17/16-SS	1/8MB17/16-SS316	1/8MB17/16-NP	3/8	7/16





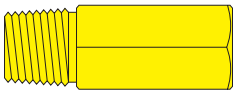
10-32MB13/16



10-32MB11/8



10-32MB17/16



1/8MB13/16

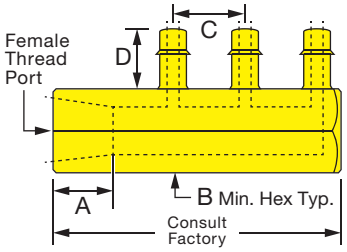


1/8MB11/8



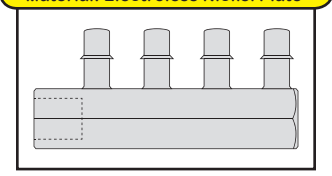
1/8MB17/16

Female Thread Manifold Fittings 919



Number of branches/ports vary depending on Tube ID size. Body Length will vary depending on number of branches.

Example Part Number:
4-28FM-3x4-NP
1/4-28 Female Thread
Four #3 Branches/Ports (1/8 Tube ID)
Material: Electroless Nickel Plate



Thread Size	Dimensions (Reference) A Ref.	B Min.
10-32	5/32	1/4
1/4-28 (4-28)	1/4	5/16
1/16	1/3	3/8
1/8	3/8	9/16
1/4	9/16	11/16
3/8	1/2	13/16
1/2	11/16	1

Branches Tube ID	Branch #	Dimensions (Reference) C Ref.	D Ref.	# of Port Options
1/16	1	1/4	7/32	9
5/64 / 2mm	2	1/4	7/32	9
3/32	2 1/2	1/4	7/32	8
1/8	3	5/16	5/16	8
5/32 / 4mm	3 1/2	5/16	5/16	6

Branches Tube ID	Branch #	Dimensions (Reference) C Ref.	D Ref.	# of Port Options
.170	4	3/8	11/32	6
3/16	5	Consult Factory	3/8	6
7/32	5 1/2		3/8	6
6mm	5 3/4		1/2	6
1/4	6		1/2	6

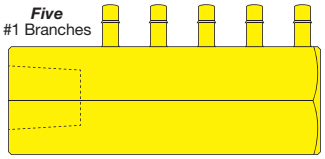
Larger Tube ID Branches available! Consult factory for details!

Material options are listed below!

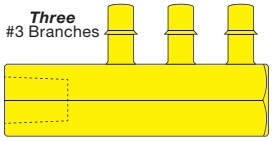
Part Numbers for Female Thread Manifold Fittings:

Thread Size → #/# **FM** - # x # ← Number of Branches

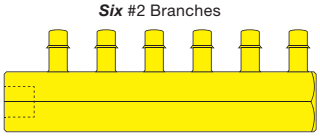
FM = Fitting Series; # = Branch Number



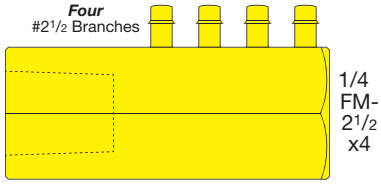
1/8FM-1x5



1/16FM-3x3

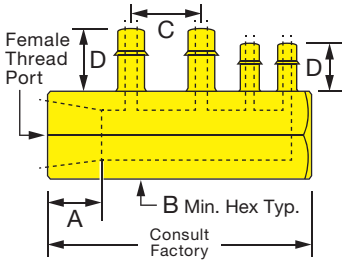


10-32FM-2x4



1/4 FM-2 1/2 x4

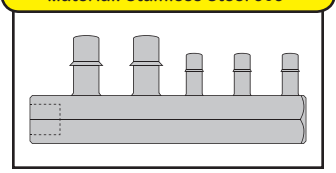
Female Thread Mixed Branch Manifold Fittings 920



Number of branches/ports vary depending on Tube ID size. Body Length will vary depending on number of branches.

Use the template on page 501 to indicate branch size and placement!

Example Part Number:
10-32FMM-3x2-1x3-SS
10-32 Male Thread
Two #3 Branches (.170 Tube ID)
Three #1 Branches (1/16 Tube ID)
Material: Stainless Steel 303



Thread Size	Dimensions (Reference) A Ref.	B Min.
10-32	5/32	1/4
1/4-28 (4-28)	1/4	5/16
1/16	1/3	3/8
1/8	3/8	9/16
1/4	9/16	11/16
3/8	1/2	13/16
1/2	11/16	1

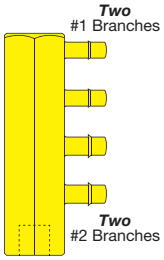
Branches Tube ID	Branch #	Dimensions (Reference) C Ref.	D Ref.	# of Port Options
1/16	1	Consult Factory	7/32	Consult Factory
5/64 / 2mm	2		7/32	
3/32	2 1/2		7/32	
1/8	3		5/16	
5/32 / 4mm	3 1/2		5/16	

Branches Tube ID	Branch #	Dimensions (Reference) C Ref.	D Ref.	# of Port Options
.170	4	Consult Factory	11/32	Consult Factory
3/16	5		3/8	
7/32	5 1/2		3/8	
6mm	5 3/4		1/2	
1/4	6		1/2	

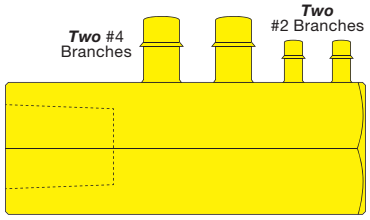
Fitting Series Code = FMM

To simplify part numbers, these numbers have changed since previous catalog.

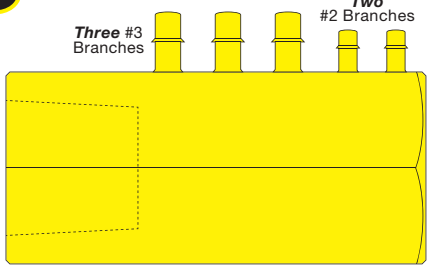
Numerous ports & branch sizes on one Manifold!



10-32FMM-2x2-1x2



1/4FMM-4x2-2x2



1/2FMM-3x3-2x2

Unless otherwise specified, parts will be Brass. To order other materials, please add the following codes to the end of part number:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

921 Female Thread Tee Manifold Fittings

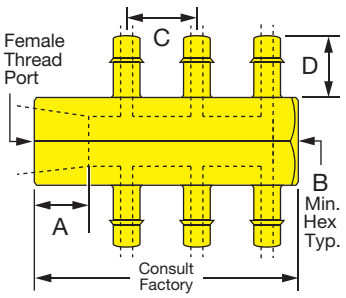
Thread Size	Dimensions (Reference) A Ref.	B Min.
10-32	5/32	1/4
1/4-28 (4-28)	1/4	5/16
1/16	1/3	3/8
1/8	3/8	9/16
1/4	9/16	11/16
3/8	1/2	13/16
1/2	11/16	1

Branches Tube ID	Branch #	Dimensions (Reference) C Ref.	D Ref.	# of Port Options (ea. side)
1/16	1	1/4	7/32	9
5/64 / 2mm	2	1/4	7/32	9
3/32	2 1/2	1/4	7/32	8
1/8	3	5/16	5/16	8
5/32 / 4mm	3 1/2	5/16	5/16	6

Branches Tube ID	Branch #	Dimensions (Reference) C Ref.	D Ref.	# of Port Options (ea. side)
.170	4	3/8	11/32	6
3/16	5	*Consult Factory*	3/8	6
7/32	5 1/2		3/8	6
6mm	5 3/4		1/2	6
1/4	6		1/2	6

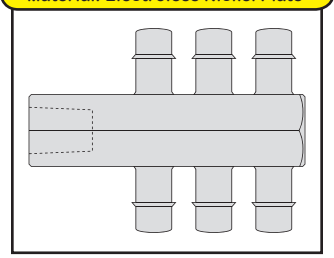
Larger Tube ID Branches available! Consult factory for details!

Material options listed on previous page!



Number of branches/ports vary depending on Tube ID size. Body Length will vary depending on number of branches.

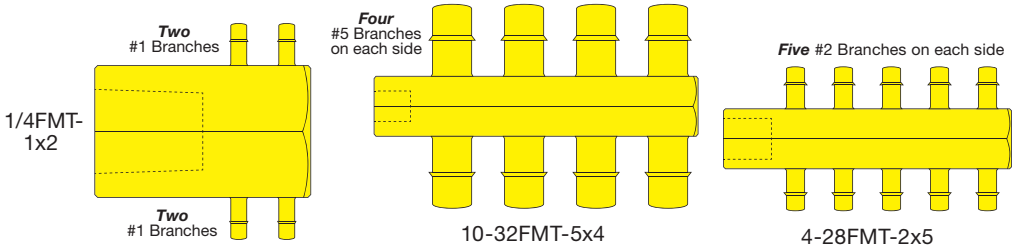
Example Part Number:
1/16FMT-4x3-NP
1/16 NPT Female Thread
Three #4 Branches on each side
(.170 Tube ID)
Material: Electroless Nickel Plate



Part Numbers for Female Thread Tee Manifold Fittings:

Thread Size → **#/#** **FMT** - **#** x **#** ← Number of Branches

Fitting Series ↑ ↑ Branch Number



To simplify part numbers, these numbers have changed since previous catalog!

922 Female Thread Mixed Branch Tee Manifold Fittings

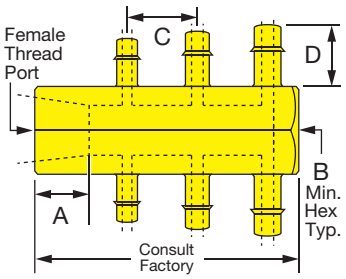
Thread Size	Dimensions (Reference) A Ref.	B Min.
10-32	5/32	1/4
1/4-28 (4-28)	1/4	5/16
1/16	1/3	3/8
1/8	3/8	9/16
1/4	9/16	11/16
3/8	1/2	13/16
1/2	11/16	1

Branches Tube ID	Branch #	Dimensions (Reference) C Ref.	D Ref.	# of Port Options
1/16	1	*Consult Factory*	7/32	*Consult Factory*
5/64 / 2mm	2		7/32	
3/32	2 1/2		7/32	
1/8	3		5/16	
5/32 / 4mm	3 1/2		5/16	

Branches Tube ID	Branch #	Dimensions (Reference) C Ref.	D Ref.	# of Port Options
.170	4	*Consult Factory*	11/32	*Consult Factory*
3/16	5		3/8	
7/32	5 1/2		3/8	
6mm	5 3/4		1/2	
1/4	6		1/2	

Material options listed on previous page!

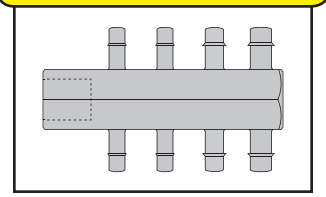
Fitting Series Code = FMMT

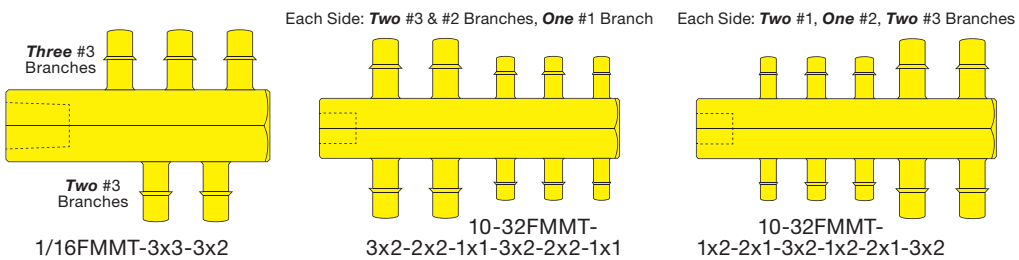


Number of branches/ports vary depending on Tube ID size. Body Length will vary depending on number of branches.

Use the template on page 501 to indicate branch sizes and placement!

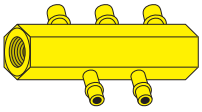
Example Part Number:
4-28FMMT-1x2-2x1-2 1/2x1-316SS
1/4-28 Female Thread; *Each side:*
Two #1 Branches (1/16 Tube ID);
One #2 1/2 Branch; *One* #2 Branch
(5/64 / 2mm Tube ID) (3/32 Tube ID)
Material: Stainless Steel 316



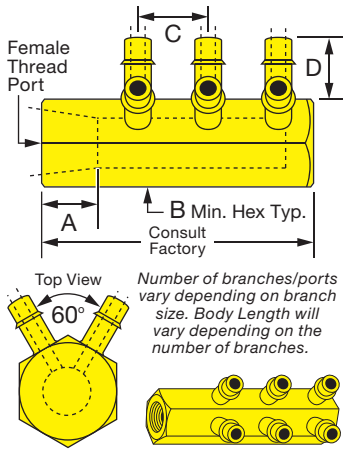


Branches can be arranged in numerous sizes and combinations to accommodate specific requirements.

Numerous branch options available on one Manifold!



Female Thread V-Tee Manifold Fittings 923



Thread Size	Dimensions (Reference) A Ref.	B Min.
10-32	5/32	1/4
1/4-28 (4-28)	1/4	5/16
1/16	1/3	3/8
1/8	3/8	9/16
1/4	9/16	11/16
3/8	1/2	13/16
1/2	11/16	1

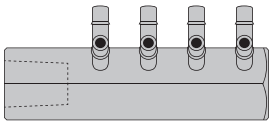
Branches Tube ID	Branch #	Dimensions (Reference) C Ref.	D Ref.	# of Port Options (ea. side)
1/16	1	1/4	7/32	9
5/64 / 2mm	2	1/4	7/32	9
3/32	2 1/2	1/4	7/32	8
1/8	3	5/16	5/16	8
5/32 / 4mm	3 1/2	5/16	5/16	6

Branches Tube ID	Branch #	Dimensions (Reference) C Ref.	D Ref.	# of Port Options (ea. side)
.170	4	3/8	11/32	6
3/16	5	Consult Factory	3/8	6
7/32	5 1/2		3/8	6
6mm	5 3/4		1/2	6
1/4	6		1/2	6

Branches with larger Tube ID's are available! Consult factory for details!

Female V-Tee Manifolds with 120° branches also available! Consult factory for details!

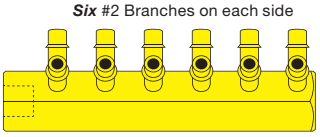
Example Part Number:
1/16MFV-1x4-316SS
1/16 NPT Female Thread
Four #1 Branches on each side (branches at 60° angle; 1/16 Tube ID)
Material: 316 Stainless Steel



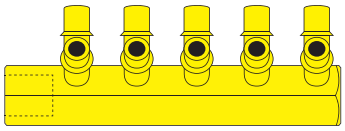
Part Numbers for Female Thread V-Tee Manifold Fittings:

Thread Size → #/# FMV - # x # ← Number of Branches
Fitting Series
Branch Number

Six #2 Branches on each side



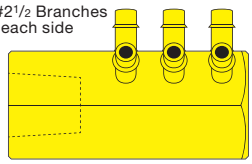
10-32FMV-2x6



4-28FMV-3x5

Three #2 1/2 Branches on each side

1/8 FMV-2 1/2x3



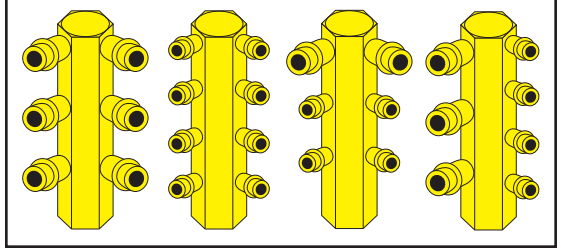
Unless otherwise specified, parts will be Brass. To order other materials, please add the following codes to the end of part number:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

Female Thread Mixed Branch V-Tee Manifold Options

Consult factory for details!

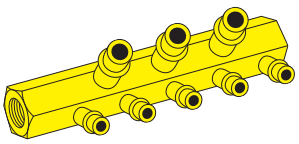
Fitting Series Code = FMMV

V-Tee Manifolds available with 120° branches!



#3 Branches
#2 Branches
10-32 FMMV-3x3-2x5-L

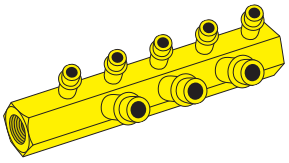
Three #3 Branches
Five #2 Branches

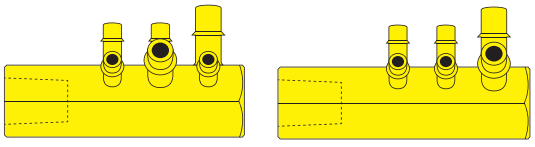


Left-Hand V-Tee Manifolds have the 2nd set of branches 60° to the left (top view).

#3 Branches
#2 Branches
10-32 FMMV-3x3-2x5-R

Five #2 Branches
Three #3 Branches

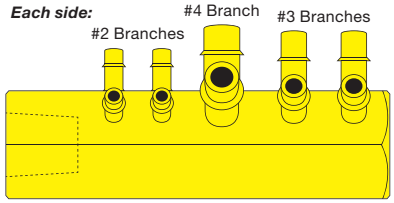




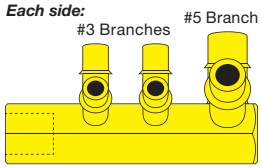
Right-Hand V-Tee Manifolds have the 2nd set branches 60° to the right (top view).

Each side: #2 Branches, #4 Branch, #3 Branches

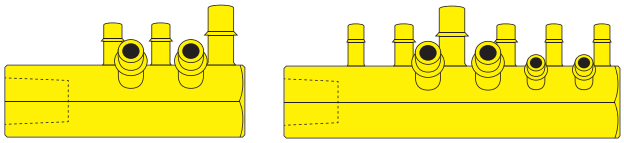
1/8 FMMV-2x2-4x1-3x2



Each side: #3 Branches, #5 Branch



4-28FMMV-3x2-5x1



Use the template on page 501 to indicate branch sizes & locations!

Branches can be arranged to accommodate specific requirements!

Mixed Branch Manifold Template for Branch Sizes and Locations

To Use:

Indicate the desired location of each branch by writing the numbers 1 through 9 (1 = 1st Branch, etc.) on the hex diagram on the below. Mark the coordinating Branch Number (size) in the chart below. Mark the desired Thread Size in the area provided on the diagram. Reference tables on pages 498 - 500 for Thread Sizes, Branch Numbers and Tube ID's. Upon receipt of this template, a part number* will be issued. Note: The manifold body length and number of branches that will fit on the manifold will vary depending on the branch sizes desired.

Consult factory for details!

**Part numbers will vary depending on branch configuration*

Thread Size = _____



Branch Numbers:

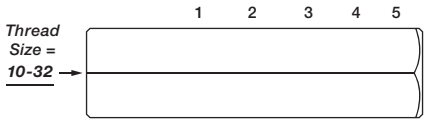
This chart may not accommodate the wide variety of options available. Consult factory if help is needed!

1st Branch (1) = _____ 4th Branch (4) = _____ 7th Branch (7) = _____

2nd Branch (2) = _____ 5th Branch (5) = _____ 8th Branch (8) = _____

3rd Branch (3) = _____ 6th Branch (6) = _____ 9th Branch (9) = _____

Examples:



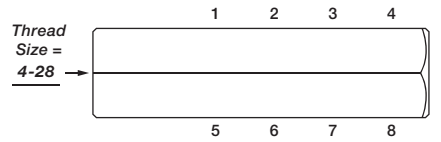
Branch Numbers:

1st Branch (1) = 3 4th Branch (4) = 1 7th Branch (7) = n/a

2nd Branch (2) = 3 5th Branch (5) = 1 8th Branch (8) = n/a

3rd Branch (3) = 1 6th Branch (6) = n/a 9th Branch (9) = n/a

10-32FMM-3x2-1x3
Mixed Branch Manifold • 10-32-28 Female Thread
Two #3 Branches (1st, 2nd)
Three #1 Branches (3rd, 4th, 5th)
(see sample image on page 498!)



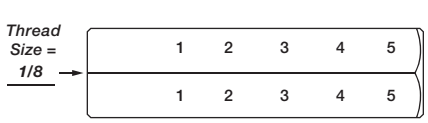
Branch Numbers:

1st Branch (1) = 2 4th Branch (4) = 2½ 7th Branch (7) = 1

2nd Branch (2) = 2 5th Branch (5) = 2 8th Branch (8) = 2½

3rd Branch (3) = 1 6th Branch (6) = 2 9th Branch (9) = n/a

4-28FMMT-1x2-2x1-2½x1
Mixed Branch Tee Manifold • 1/4-28 Thread
Each Side: *Two* #1 Branches (1st, 2nd; 5th, 6th)
One #2 Branch (3rd; 7th) & *One* #2½ Branch (4th; 8th)
(see sample image on page 499!)



Branch Numbers:

1st Branch (1) = 2 4th Branch (4) = 3 7th Branch (7) = n/a

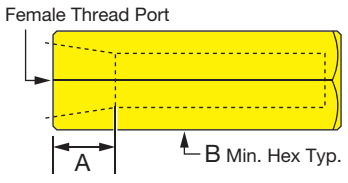
2nd Branch (2) = 2 5th Branch (5) = 3 8th Branch (8) = n/a

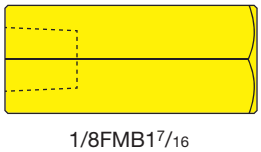
3rd Branch (3) = 4 6th Branch (6) = n/a 9th Branch (9) = n/a

1/8FMMV-2x2-4x1-3x2
Mixed Branch V-Tee Manifold • 1/8 NPT Female Thread
Each Side (60° apart): *Two* #2 Branches (1st, 2nd)
One #4 Branch (3rd); *Two* #3 Branch (4th; 5th)
(see sample image on page 500!)

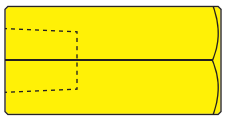
924 Female Thread Manifold Blanks

Thread	Body Length	Part Numbers: Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	Dimensions (Reference) A Ref.	B Min.
10-32	13/16	10-32FMB13/16	10-32FMB13/16-SS	10-32FMB13/16-SS316	10-32FMB113/16-NP	5/32	1/4
10-32	1 1/8	10-32FMB11/8	10-32FMB11/8-SS	10-32FMB11/8-SS316	10-32FMB11/8-NP	5/32	1/4
10-32	1 7/16	10-32FMB17/16	10-32FMB17/16-SS	10-32FMB17/16-SS316	10-32FMB17/16-NP	5/32	1/4
1/8	13/16	1/8FMB13/16	1/8FMB13/16-SS	1/8FMB13/16-SS316	1/8FMB113/16-NP	3/8	9/16
1/8	1 1/8	1/8FMB11/8	1/8FMB11/8-SS	1/8FMB11/8-SS316	1/8FMB11/8-NP	3/8	9/16
1/8	1 7/16	1/8FMB17/16	1/8FMB17/16-SS	1/8FMB17/16-SS316	1/8FMB17/16-NP	3/8	9/16



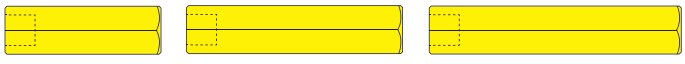


1/8FMB17/16



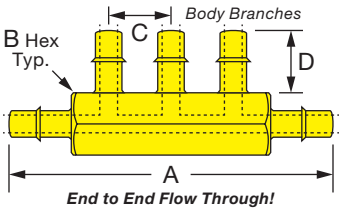
1/8FMB11/8

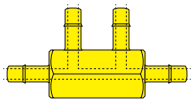
Other size options avialable! Lead times and minimum quantities apply! Consult factory for details!



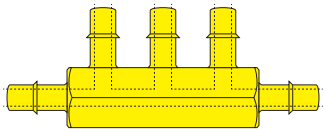
10-32FMB13/16 10-32FMB11/8 10-32FMB17/16

Coupling Manifolds 925





CM1-1x2



CM3-3x3

Branches		Dimensions (Reference)				# of Port Options
Tube ID	Branch Number	A Ref.	B Typ..	C Ref.	D Ref.	
1/16	1	Consult Factory	1/4	1/4	7/32	9
5/64 / 2mm	2		1/4	1/4	7/32	9
3/32	2 1/2		9/32	1/4	7/32	8
1/8	3		5/16	5/16	5/16	8
5/32 / 4mm	3 1/2		5/16	5/16	5/16	6

Branches		Dimensions (Reference)				# of Port Options
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.	
.170	4	Consult Factory	5/16	3/8	11/32	6
3/16	5		3/8	7/16	3/8	6
7/32	5 1/2		3/8	7/16	3/8	6
6mm	5 3/4		7/16	1/2	17/32	6
1/4	6		7/16	1/2	17/32	6

Larger Tube ID branches available! Consult factory!

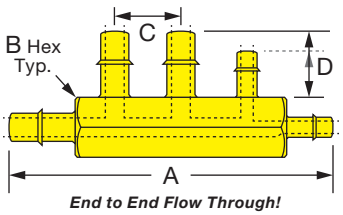
Material options listed on next page!

Part Numbers for Coupling Manifold Fittings:

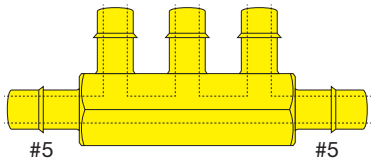
Fitting Series → **CM** **#** - **#** x **#** ← Number of Branches along Body

← End Branch Number; **#** ← Body Branch Number

Coupling Mixed Branch Manifolds 926



Three #4 Branches

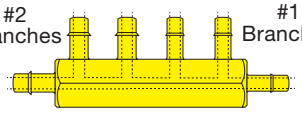


#5 Branch RCM5-4x3 #5 Branch

Branches		Dimensions (Reference)				# of Port Options
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.	
1/16	1	Consult Factory	1/4	Consult Factory	7/32	9
5/64 / 2mm	2		1/4		7/32	9
3/32	2 1/2		9/32		7/32	8
1/8	3		5/16		5/16	8
5/32 / 4mm	3 1/2		5/16		5/16	6

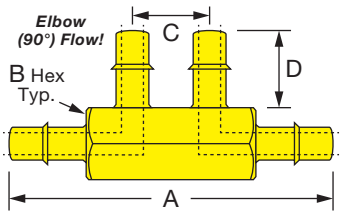
Branches		Dimensions (Reference)				# of Port Options
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.	
.170	4	Consult Factory	5/16	Consult Factory	11/32	6
3/16	5		3/8		3/8	6
7/32	5 1/2		3/8		3/8	6
6mm	5 3/4		7/16		17/32	6
1/4	6		7/16		17/32	6

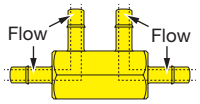
Use the template on page 503 to indicate branch sizes and placement!



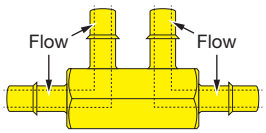
Material options listed on next page!

Coupling Manifold Elbows 927





CML1-1x2



CML3-3x2

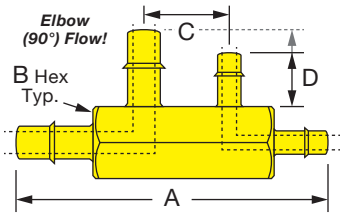
Tube ID	Part Numbers				Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/16	CML1-1x2	CML1-1x2-SS	CML1-1x2-316SS	CML1-1x2-NP	Consult Factory	1/4	1/4	7/32
5/64 / 2mm	CML2-2x2	CML2-2x2-SS	CML2-2x2-316SS	CML2-2x2-NP		1/4	1/4	7/32
3/32	CML2 1/2-2 1/2x2	CML2 1/2-2 1/2x2-SS	CML2 1/2-2 1/2x2-316SS	CML2 1/2-2 1/2x2-NP		9/32	1/4	7/32
1/8	CML3-3x2	CML3-3x2-SS	CML3-3x23-3x216SS	CML3-3x2-NP		5/16	5/16	5/16
5/32 / 4mm	CML3 1/2-3 1/2x2	CML3 1/2-3 1/2x2-SS	CML3 1/2-3 1/2x2-316SS	CML3 1/2-3 1/2x2-NP		5/16	5/16	5/16
.170	CML4-4x2	CML4-4x2-SS	CML4-4x2-316SS	CML4-4x2-NP		5/16	3/8	11/32
3/16	CML5-5x2	CML5-5x2-SS	CML5-5x2-316SS	CML5-5x2-NP		3/8	7/16	3/8
7/32	CML5 1/2-5 1/2x2	CML5 1/2-5 1/2x2-SS	CML5 1/2-5 1/2x2-316SS	CML5 1/2-5 1/2x2-NP		3/8	7/16	3/8
6mm	CML5 3/4-5 3/4x2	CML5 3/4-5 3/4x2-SS	CML5 3/4-5 3/4x2-316SS	CML5 3/4-5 3/4x2-NP		7/16	1/2	1/2
1/4	CML6-6x2	CML6-6x2-SS	CML6-6x2-316SS	CML6-6x2-NP		7/16	1/2	1/2

M2

928 Reducing Coupling (Mixed Branch) Manifold Elbows

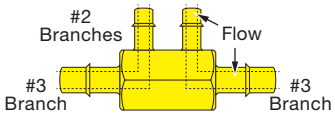
Branches		Dimensions (Reference)			
Tube ID	Branch #	A Ref.	B Ref.	C Ref.	D Ref.
1/16	1	Consult Factory	1/4	Consult Factory	7/32
5/64 / 2mm	2		1/4		7/32
3/32	2 1/2		9/32		7/32
1/8	3		5/16		5/16
5/32 / 4mm	3 1/2		5/16		5/16

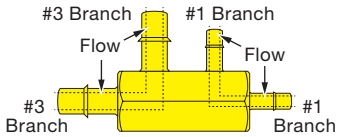
Branches		Dimensions (Reference)			
Tube ID	Branch #	A Ref.	B Typ.	C Ref.	D Ref.
.170	4	Consult Factory	5/16	Consult Factory	11/32
3/16	5		3/8		3/8
7/32	5 1/2		3/8		3/8
6mm	5 3/4		7/16		1/2
1/4	6		7/16		1/2



Use the template below to indicate branch sizes!

Unless otherwise specified, parts will be Brass. To order other materials, add the following codes to the part number:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316
-NP = Electroless Nickel Plate





Mixed Branch Coupling Manifold Template for Branch Sizes and Locations

To Use:
Indicate the desired location of each branch by writing the numbers 1 through 9 (1 = 1st Branch, etc.) on coupling diagram below. Mark the coordinating Branch Number (size) in the chart below. Mark the desired end branch sizes in the areas provided on the diagram. Reference tables above and on page 502 for Branch Numbers and Tube ID's. Upon receipt of this template, a part number* will be issued. Note: Coupling Manifold Elbows do not flow through end to end, as such they are limited to two branches along the manifold body. The manifold body length and number of branches that will fit on the manifold will vary depending on the branch sizes desired.

Consult factory for details!

Coupling (Straight Air Flow) ☐ *Elbow Coupling (90° Air Flow)* ☐

Branch Size = _____ _____ *Branch Size =*

Branch Numbers:

1st Branch (1) = ___ 4th Branch (4) = ___ 6th Branch (6) = ___ 8th Branch (8) = ___

2nd Branch (2) = ___ 5th Branch (5) = ___ 7th Branch (7) = ___ 9th Branch (9) = ___

3rd Branch (3) = ___

Examples:

**Part numbers will vary depending on branch configuration.*

Coupling (Straight Air Flow) ☑ *(see sample image on page 502!)* *Elbow Coupling (90° Air Flow)* ☐

1 2 3 4

Branch Size = 2 — *Branch Size =* 1

Branch Numbers:
1st Branch (1) = 2 4th Branch (4) = 1 6th Branch (6) = n/a 8th Branch (8) = n/a
2nd Branch (2) = 2 5th Branch (5) = n/a 7th Branch (7) = n/a 9th Branch (9) = n/a
3rd Branch (3) = 1

Coupling (Straight Air Flow) ☐ *(see sample image above!)* *Elbow Coupling (90° Air Flow)* ☑

1 2

Branch Size = 3 — *Branch Size =* 3

Branch Numbers:
1st Branch (1) = 2 4th Branch (4) = n/a 6th Branch (6) = n/a 8th Branch (8) = n/a
2nd Branch (2) = 2 5th Branch (5) = n/a 7th Branch (7) = n/a 9th Branch (9) = n/a
3rd Branch (3) = n/a

Coupling (Straight Air Flow) ☑ *(see sample image on page 502!)* *Elbow Coupling (90° Air Flow)* ☐

1 2 3

Branch Size = 5 — *Branch Size =* 5

Branch Numbers:
1st Branch (1) = 4 4th Branch (4) = n/a 6th Branch (6) = n/a 8th Branch (8) = n/a
2nd Branch (2) = 4 5th Branch (5) = n/a 7th Branch (7) = n/a 9th Branch (9) = n/a
3rd Branch (3) = 4

Coupling (Straight Air Flow) ☐ *(see sample image above!)* *Elbow Coupling (90° Air Flow)* ☑

1 2

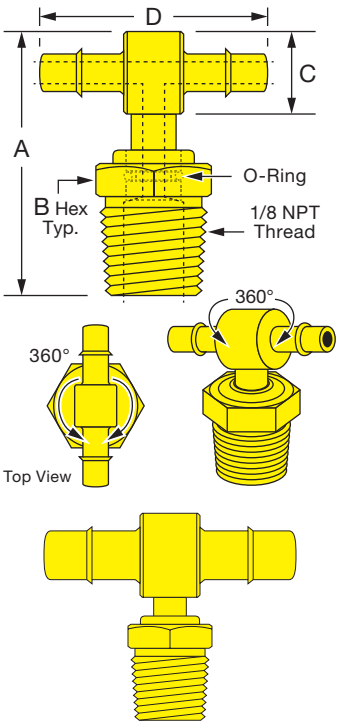
Branch Size = 3 — *Branch Size =* 1

Branch Numbers:
1st Branch (1) = 3 4th Branch (4) = n/a 6th Branch (6) = n/a 8th Branch (8) = n/a
2nd Branch (2) = 1 5th Branch (5) = n/a 7th Branch (7) = n/a 9th Branch (9) = n/a
3rd Branch (3) = n/a

M2

N2

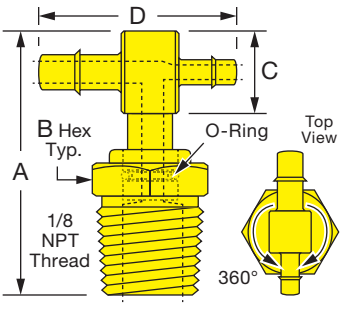
1/8 NPT Swivel Tees 929

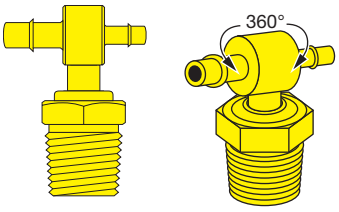


1/8SW-T6

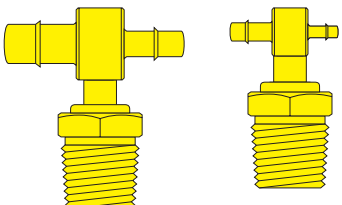
Tube ID	Part Numbers				Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/32	1/8SW-T.031	1/8SW-T.031-SS	1/8SW-T.031-316SS	1/8SW-T.031-NP	15/16	7/16	1/4	9/16
.040 / 1mm	1/8SW-T.040	1/8SW-T.040-SS	1/8SW-T.040-316SS	1/8SW-T.040-NP	15/16	7/16	1/4	9/16
3/64	1/8SW-T.045	1/8SW-T.045-SS	1/8SW-T.045-316SS	1/8SW-T.045-NP	15/16	7/16	1/4	9/16
.050	1/8SW-T.050	1/8SW-T.050-SS	1/8SW-T.050-316SS	1/8SW-T.050-NP	15/16	7/16	1/4	9/16
1/16	1/8SW-T1	1/8SW-T1-SS	1/8SW-T1-316SS	1/8SW-T1-NP	15/16	7/16	1/4	5/8
5/64 / 2mm	1/8SW-T2	1/8SW-T2-SS	1/8SW-T2-316SS	1/8SW-T2-NP	15/16	7/16	1/4	5/8
3/32	1/8SW-T2 1/2	1/8SW-T2 1/2-SS	1/8SW-T2 1/2-316SS	1/8SW-T2 1/2-NP	61/64	7/16	9/32	41/64
1/8	1/8SW-T3	1/8SW-T3-SS	1/8SW-T3-316SS	1/8SW-T3-NP	1.00	7/16	5/16	27/32
5/32 / 4mm	1/8SW-T3 1/2	1/8SW-T3 1/2-SS	1/8SW-T3 1/2-316SS	1/8SW-T3 1/2-NP	1.00	7/16	5/16	27/32
.170	1/8SW-T4	1/8SW-T4-SS	1/8SW-T4-316SS	1/8SW-T4-NP	1.00	7/16	5/16	15/16
3/16	1/8SW-T5	1/8SW-T5-SS	1/8SW-T5-316SS	1/8SW-T5-NP	1 3/64	7/16	3/8	1.00
7/32	1/8SW-T5 1/2	1/8SW-T5 1/2-SS	1/8SW-T5 1/2-316SS	1/8SW-T5 1/2-NP	1 3/64	7/16	3/8	1.00
6mm	1/8SW-T5 3/4	1/8SW-T5 3/4-SS	1/8SW-T5 3/4-316SS	1/8SW-T5 3/4-NP	1 3/64	7/16	7/16	1 5/16
1/4	1/8SW-T6	1/8SW-T6-SS	1/8SW-T6-316SS	1/8SW-T6-NP	1 5/64	7/16	7/16	1 5/16

1/8 NPT Swivel Reducing Tees 930





1/8SW-RT3-2



1/8SW-RT5-3

1/8SW-RT 2-.045

Branches		Dimensions (Reference)				
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.	
1/32	.031	15/16	7/16	1/4		Consult Factory
.040 / 1mm	.040	15/16	7/16	1/4		
3/64	.045	15/16	7/16	1/4		
.050	.050	15/16	7/16	1/4		
1/16	1	15/16	7/16	1/4		
5/64 / 2mm	2	15/16	7/16	1/4		
3/32	2 1/2	61/64	7/16	9/32		

Branches		Dimensions (Reference)				
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.	
1/8	3	1.00	7/16	5/16		Consult Factory
5/32 / 4mm	3 1/2	1.00	7/16	5/16		
.170	4	1.00	7/16	5/16		
3/16	5	1 3/64	7/16	3/8		
7/32	5 1/2	1 3/64	7/16	3/8		
6mm	5 3/4	1 3/64	7/16	7/16		
1/4	6	1 5/64	7/16	7/16		

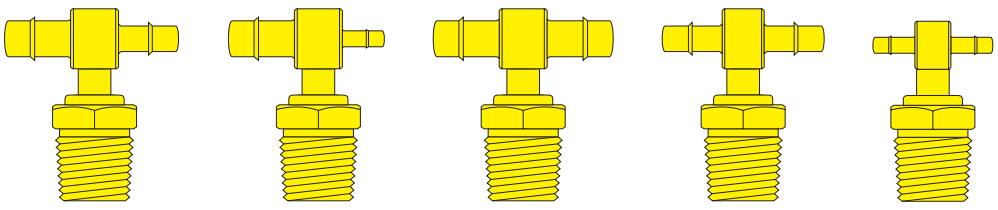
Part Numbers for 1/8 NPT Swivel Reducing Tees:

Thread Size → 1/8 SW-RT # - # ← Smaller Branch #

Fitting Series ↑ (SW-RT)

Larger Branch # ↑ (-)

Unless otherwise specified, parts will be Brass. To order other materials, use the following codes:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate



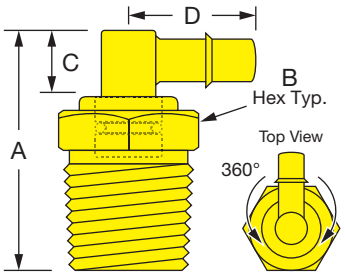
1/8SW-RT4-3 1/8SW-RT4-1 1/8SW-T4 1/8SW-T3 1/8SW-T1

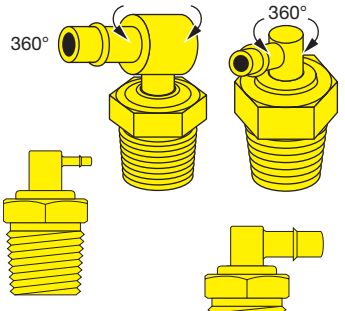
Note: *Fittings will be supplied with dimensions that accommodate the larger branch size.*

931 — 1/8 NPT Swivel Elbows

N2

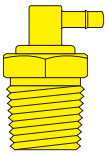
Tube ID	Part Numbers				Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/32	1/8SW-LB.031	1/8SW-LB.031-SS	1/8SW-LB.031-316SS	1/8SW-LB.031-NP	3/4	7/16	1/4	.241
.040 / 1mm	1/8SW-LB.040	1/8SW-LB.040-SS	1/8SW-LB.040-316SS	1/8SW-LB.040-NP	3/4	7/16	1/4	.241
3/64	1/8SW-LB.045	1/8SW-LB.045-SS	1/8SW-LB.045-316SS	1/8SW-LB.045-NP	3/4	7/16	1/4	.241
.050	1/8SW-LB.050	1/8SW-LB.050-SS	1/8SW-LB.050-316SS	1/8SW-LB.050-NP	3/4	7/16	1/4	.241
1/16	1/8SW-LB1	1/8SW-LB1-SS	1/8SW-LB1-316SS	1/8SW-LB1-NP	3/4	7/16	1/4	19/64
5/64 / 2mm	1/8SW-LB2	1/8SW-LB2-SS	1/8SW-LB2-316SS	1/8SW-LB2-NP	3/4	7/16	1/4	19/64
3/32	1/8SW-LB2 1/2	1/8SW-LB2 1/2-SS	1/8SW-LB2 1/2-316SS	1/8SW-LB2 1/2-NP	3/4	7/16	1/4	19/64
1/8	1/8SW-LB3	1/8SW-LB3-SS	1/8SW-LB3-316SS	1/8SW-LB3-NP	3/4	7/16	1/4	3/8
5/32 / 4mm	1/8SW-LB3 1/2	1/8SW-LB3 1/2-SS	1/8SW-LB3 1/2-316SS	1/8SW-LB3 1/2-NP	63/64	7/16	13/32	27/64
.170	1/8SW-LB4	1/8SW-LB4-SS	1/8SW-LB4-316SS	1/8SW-LB4-NP	63/64	7/16	13/32	15/32
3/16	1/8SW-LB5	1/8SW-LB5-SS	1/8SW-LB5-316SS	1/8SW-LB5-NP	1 1/16	7/16	1/2	1/2
7/32	1/8SW-LB5 1/2	1/8SW-LB5 1/2-SS	1/8SW-LB5 1/2-316SS	1/8SW-LB5 1/2-NP	1 3/64	7/16	1/2	1/2
6mm	1/8SW-LB5 3/4	1/8SW-LB5 3/4-SS	1/8SW-LB5 3/4-316SS	1/8SW-LB5 3/4-NP	1 3/64	7/16	1/2	21/32
3/8	1/8SW-LB6	1/8SW-LB6-SS	1/8SW-LB6-316SS	1/8SW-LB6-NP	1 5/64	7/16	17/32	21/32



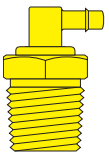


1/8SW-LB.040

1/8SW-LB3

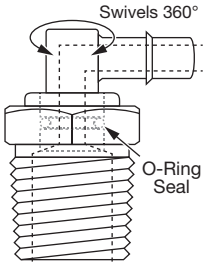


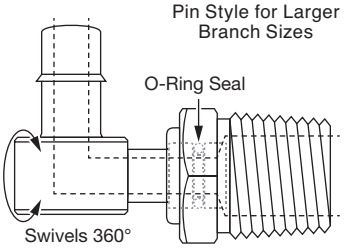
1/8SW-LB1

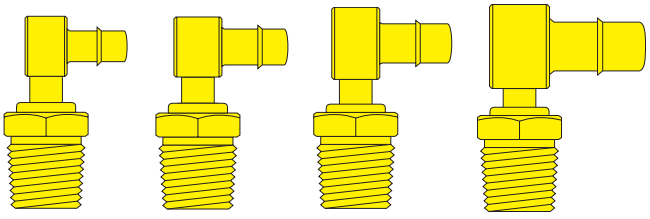


1/8SW-LB2

Pin Style for Smaller Branch Sizes



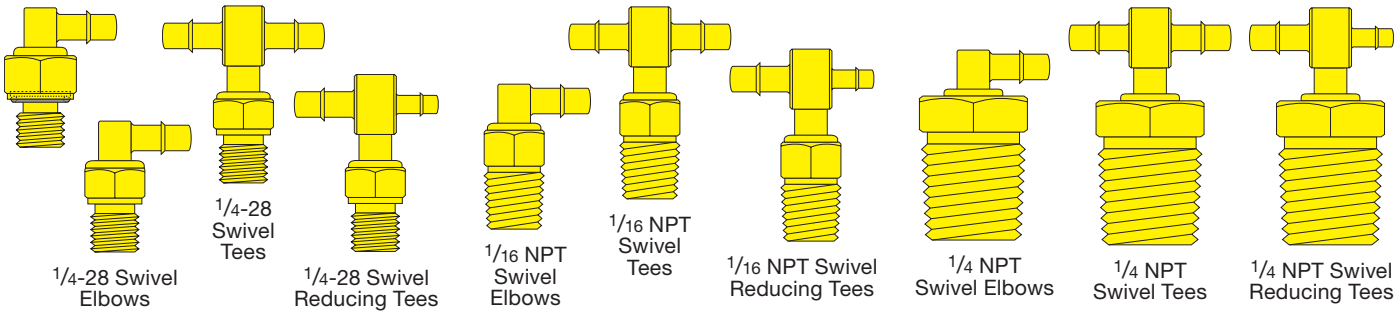




1/8SW-LB3 1/2 | 1/8SW-LB4 | 1/8SW-LB5 | 1/8SW-T6

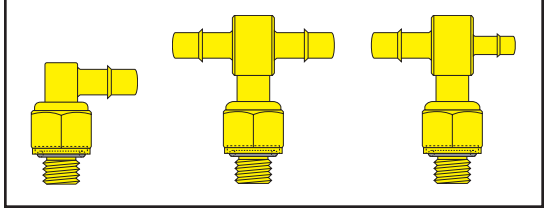
Note: *Images are for visual representation only; they are not intended for dimensional measurements. Dimensions may vary at time of manufacturing. Consult factory for details!*

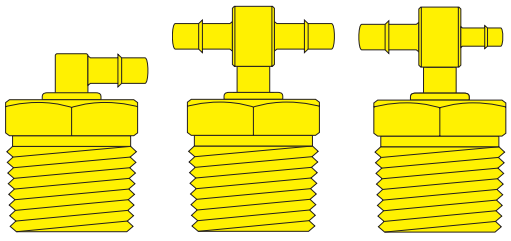
Other Male Thread sizes available! Lead times and minimum quantities apply! Consult factory for details!



1/4-28 Swivel Elbows | 1/4-28 Swivel Tees | 1/4-28 Swivel Reducing Tees | 1/16 NPT Swivel Elbows | 1/16 NPT Swivel Tees | 1/16 NPT Swivel Reducing Tees | 1/4 NPT Swivel Elbows | 1/4 NPT Swivel Tees | 1/4 NPT Swivel Reducing Tees

10-32 Swivel Elbows & Tees also available! See pages 98 & 99! Consult factory for details!



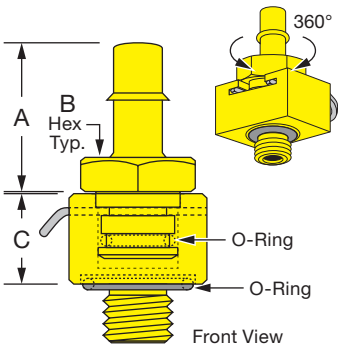


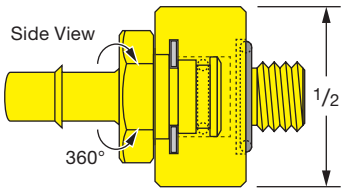
3/8 NPT Swivel Elbows | 3/8 NPT Swivel Tees | 3/8 NPT Swivel Reducing Tees

Swivel Elbows and Tees are also available with Metric, BSPT, and BSPP Threads! Consult factory for details!

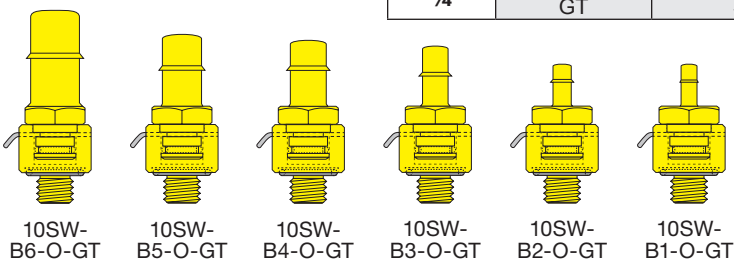
02

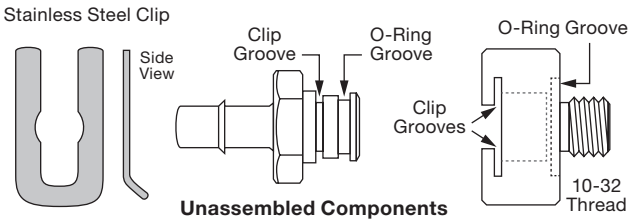
10-32 Male Thread to Tube Swivel Fittings with Clip Groove 932



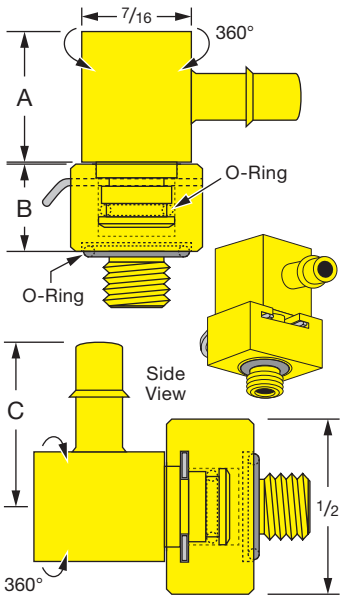


Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	10SW-B1-O-GT	10SW-B1-O-GT-SS	10SW-B1-O-GT-316SS	10SW-B1-O-GT-NP	5/16	5/16	1/4
5/64 / 2mm	10SW-B2-O-GT	10SW-B2-O-GT-SS	10SW-B2-O-GT-316SS	10SW-B2-O-GT-NP	5/16	5/16	1/4
3/32	10SW-B2 1/2-O-GT	10SW-B2 1/2-O-GT-SS	10SW-B2 1/2-O-GT-316SS	10SW-B2 1/2-O-GT-NP	5/16	5/16	1/4
1/8	10SW-B3-O-GT	10SW-B3-O-GT-SS	10SW-B3-O-GT-316SS	10SW-B3-O-GT-NP	13/32	5/16	1/4
5/32 / 4mm	10SW-B3 1/2-O-GT	10SW-B3 1/2-O-GT-SS	10SW-B3 1/2-O-GT-316SS	10SW-B3 1/2-O-GT-NP	13/32	5/16	1/4
.170	10SW-B4-O-GT	10SW-B4-O-GT-SS	10SW-B4-O-GT-316SS	10SW-B4-O-GT-NP	7/16	5/16	1/4
3/16	10SW-B5-O-GT	10SW-B5-O-GT-SS	10SW-B5-O-GT-316SS	10SW-B5-O-GT-NP	15/32	5/16	1/4
7/32	10SW-B5 1/2-O-GT	10SW-B5 1/2-O-GT-SS	10SW-B5 1/2-O-GT-316SS	10SW-B5 1/2-O-GT-NP	15/32	5/16	1/4
6mm	10SW-B5 3/4-O-GT	10SW-B5 3/4-O-GT-SS	10SW-B5 3/4-O-GT-316SS	10SW-B5 3/4-O-GT-NP	19/32	5/16	1/4
1/4	10SW-B6-O-GT	10SW-B6-O-GT-SS	10SW-B6-O-GT-316SS	10SW-B6-O-GT-NP	19/32	5/16	1/4



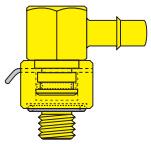


10-32 Male Thread to Tube Swivel Elbows with Square Bodies & Clip Groove 933

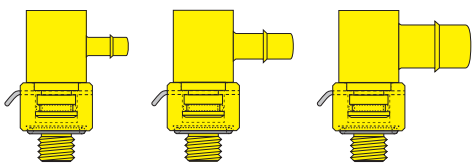


Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Ref.	C Ref.
1/16	10SW-LB1-SQ-O-GT	10SW-LB1-SQ-O-GT-SS	10SW-LB1-SQ-O-GT-316SS	10SW-LB1-SQ-O-GT-NP	3/8	1/4	19/32
5/64 / 2mm	10SW-LB2-SQ-O-GT	10SW-LB2-SQ-O-GT-SS	10SW-LB2-SQ-O-GT-316SS	10SW-LB2-SQ-O-GT-NP	3/8	1/4	19/32
3/32	10SW-LB2 1/2-SQ-O-GT	10SW-LB2 1/2-SQ-O-GT-SS	10SW-LB2 1/2-SQ-O-GT-316SS	10SW-LB2 1/2-SQ-O-GT-NP	3/8	1/4	19/32
1/8	10SW-LB3-SQ-O-GT	10SW-LB3-SQ-O-GT-SS	10SW-LB3-SQ-O-GT-316SS	10SW-LB3-SQ-O-GT-NP	3/8	1/4	5/8
5/32 / 4mm	10SW-LB3 1/2-SQ-O-GT	10SW-LB3 1/2-SQ-O-GT-SS	10SW-LB3 1/2-SQ-O-GT-316SS	10SW-LB3 1/2-SQ-O-GT-NP	3/8	1/4	5/8
.170	10SW-LB4-SQ-O-GT	10SW-LB4-SQ-O-GT-SS	10SW-LB4-SQ-O-GT-316SS	10SW-LB4-SQ-O-GT-NP	3/8	1/4	5/8
3/16	10SW-LB5-SQ-O-GT	10SW-LB5-SQ-O-GT-SS	10SW-LB5-SQ-O-GT-316SS	10SW-LB5-SQ-O-GT-NP	3/8	1/4	11/16
7/32	10SW-LB5 1/2-SQ-O-GT	10SW-LB5 1/2-SQ-O-GT-SS	10SW-LB5 1/2-SQ-O-GT-316SS	10SW-LB5 1/2-SQ-O-GT-NP	3/8	1/4	11/16
6mm	10SW-LB5 3/4-SQ-O-GT	10SW-LB5 3/4-SQ-O-GT-SS	10SW-LB5 3/4-SQ-O-GT-316SS	10SW-LB5 3/4-SQ-O-GT-NP	3/8	1/4	13/16
1/4	10SW-LB6-SQ-O-GT	10SW-LB6-SQ-O-GT-SS	10SW-LB6-SQ-O-GT-316SS	10SW-LB6-SQ-O-GT-NP	3/8	1/4	13/16

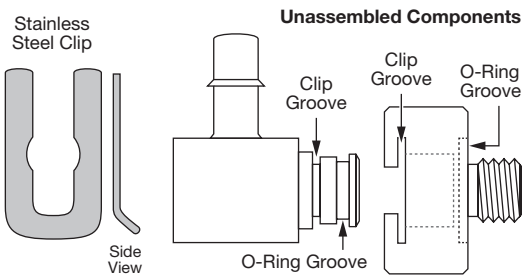
Hex Swivel Bodies available!



Consult factory for details!

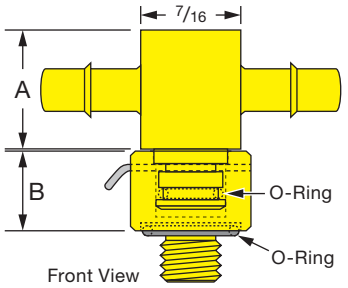


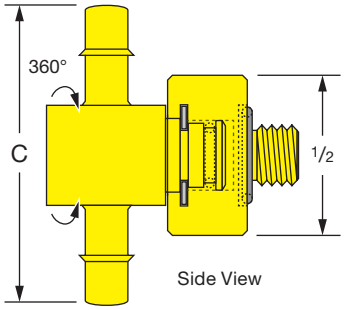
O-Ring material options are listed on page 65!

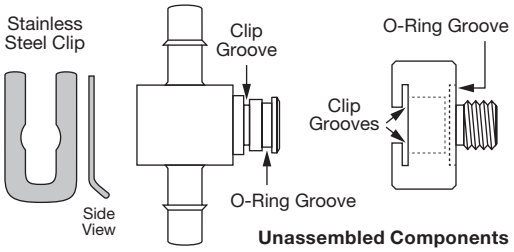


934 10-32 Male Thread to Tube Swivel Tees with Square Bodies & Clip Groove

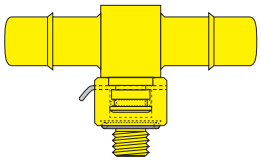
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Ref.	C Ref.
1/16	10SW-T1-SQ-O-GT	10SW-T1-SQ-O-GT-SS	10SW-T1-SQ-O-GT-316SS	10SW-T1-SQ-O-GT-NP	3/8	1/4	7/8
5/64 / 2mm	10SW-T2-SQ-O-GT	10SW-T2-SQ-O-GT-SS	10SW-T2-SQ-O-GT-316SS	10SW-T2-SQ-O-GT-NP	3/8	1/4	7/8
3/32	10SW-T2 1/2-SQ-O-GT	10SW-T2 1/2-SQ-O-GT-SS	10SW-T2 1/2-SQ-O-GT-316SS	10SW-T2 1/2-SQ-O-GT-NP	3/8	1/4	7/8
1/8	10SW-T3-SQ-O-GT	10SW-T3-SQ-O-GT-SS	10SW-T3-SQ-O-GT-316SS	10SW-T3-SQ-O-GT-NP	3/8	1/4	15/16
5/32 / 4mm	10SW-T3 1/2-SQ-O-GT	10SW-T3 1/2-SQ-O-GT-SS	10SW-T3 1/2-SQ-O-GT-316SS	10SW-T3 1/2-SQ-O-GT-NP	3/8	1/4	15/16
.170	10SW-T4-SQ-O-GT	10SW-T4-SQ-O-GT-SS	10SW-T4-SQ-O-GT-316SS	10SW-T4-SQ-O-GT-NP	3/8	1/4	15/16
3/16	10SW-T5-SQ-O-GT	10SW-T5-SQ-O-GT-SS	10SW-T5-SQ-O-GT-316SS	10SW-T5-SQ-O-GT-NP	3/8	1/4	1 1/16
7/32	10SW-T5 1/2-SQ-O-GT	10SW-T5 1/2-SQ-O-GT-SS	10SW-T5 1/2-SQ-O-GT-316SS	10SW-T5 1/2-SQ-O-GT-NP	3/8	1/4	1 1/16
6mm	10SW-T5 3/4-SQ-O-GT	10SW-T5 3/4-SQ-O-GT-SS	10SW-T5 3/4-SQ-O-GT-316SS	10SW-T5 3/4-SQ-O-GT-NP	3/8	1/4	1 3/16
1/4	10SW-T6-SQ-O-GT	10SW-T6-SQ-O-GT-SS	10SW-T6-SQ-O-GT-316SS	10SW-T6-SQ-O-GT-NP	3/8	1/4	1 3/16



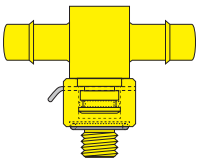




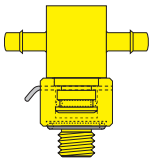
Unassembled Components



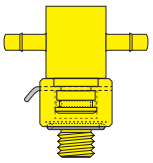
10SW-T6-SQ-O-GT



10SW-T4-SQ-O-GT



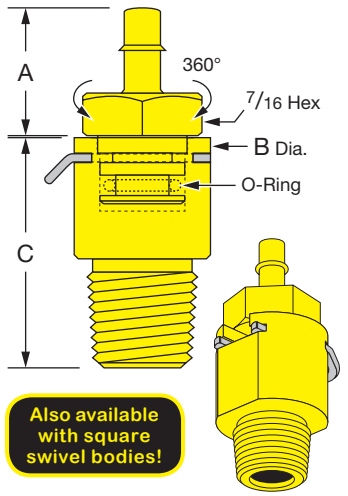
10SW-T2-SQ-O-GT



10SW-T1-SQ-O-GT

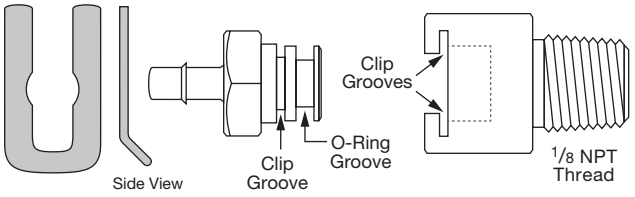
935 1/8 NPT Male Thread to Tube Swivel Fittings with Clip Groove

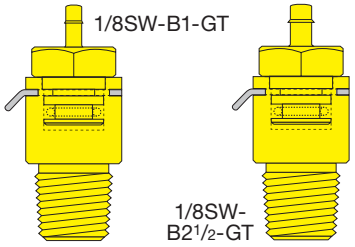
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	1/8SW-B1-GT	1/8SW-B1-GT-SS	1/8SW-B1-GT-316SS	1/8SW-B1-GT-NP	3/8	.582	.850
5/64 / 2mm	1/8SW-B2-GT	1/8SW-B2-GT-SS	1/8SW-B2-GT-316SS	1/8SW-B2-GT-NP	3/8	.582	.850
3/32	1/8SW-B2 1/2-GT	1/8SW-B2 1/2-GT-SS	1/8SW-B2 1/2-GT-316SS	1/8SW-B2 1/2-GT-NP	3/8	.582	.850
1/8	1/8SW-B3-GT	1/8SW-B3-GT-SS	1/8SW-B3-GT-316SS	1/8SW-B3-GT-NP	15/32	.582	.850
5/32 / 4mm	1/8SW-B3 1/2-GT	1/8SW-B3 1/2-GT-SS	1/8SW-B3 1/2-GT-316SS	1/8SW-B3 1/2-GT-NP	15/32	.582	.850
.170	1/8SW-B4-GT	1/8SW-B4-GT-SS	1/8SW-B4-GT-316SS	1/8SW-B4-GT-NP	15/32	.582	.850
3/16	1/8SW-B5-GT	1/8SW-B5-GT-SS	1/8SW-B5-GT-316SS	1/8SW-B5-GT-NP	19/32	.582	.850
7/32	1/8SW-B5 1/2-GT	1/8SW-B5 1/2-GT-SS	1/8SW-B5 1/2-GT-316SS	1/8SW-B5 1/2-GT-NP	19/32	.582	.850
6mm	1/8SW-B5 3/4-GT	1/8SW-B5 3/4-GT-SS	1/8SW-B5 3/4-GT-316SS	1/8SW-B5 3/4-GT-NP	21/32	.582	.850
1/4	1/8SW-B6-GT	1/8SW-B6-GT-SS	1/8SW-B6-GT-316SS	1/8SW-B6-GT-NP	21/32	.582	.850

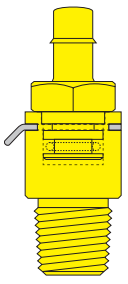


Stainless Steel Clip

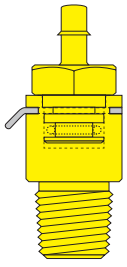
Unassembled Components







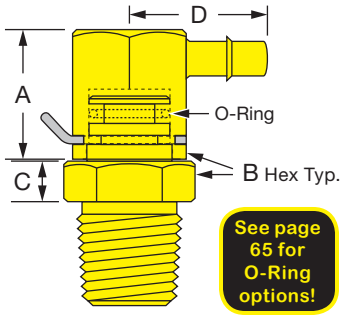
1/8SW-B5-GT



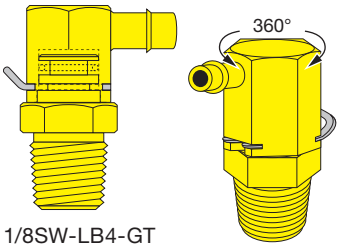
1/8SW-B3-GT

02

1/8 NPT Male Thread to Tube Swivel Elbows with Clip Groove — 936



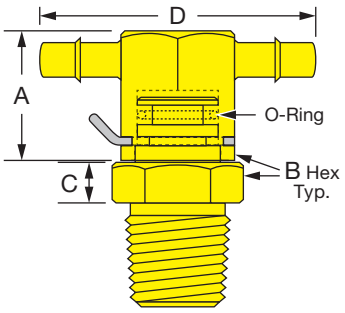
See page 65 for O-Ring options!

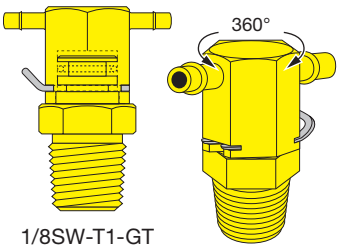


1/8SW-LB4-GT

Tube ID	Part Numbers				Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/16	1/8SW-LB1-GT	1/8SW-LB1-GT-SS	1/8SW-LB1-GT-316SS	1/8SW-LB1-GT-NP	Consult Factory	Consult Factory	Consult Factory	Consult Factory
5/64 / 2mm	1/8SW-LB2-GT	1/8SW-LB2-GT-SS	1/8SW-LB2-GT-316SS	1/8SW-LB2-GT-NP				
3/32	1/8SW-LB2 1/2-GT	1/8SW-LB2 1/2-GT-SS	1/8SW-LB2 1/2-GT-316SS	1/8SW-LB2 1/2-GT-NP				
1/8	1/8SW-LB3-GT	1/8SW-LB3-GT-SS	1/8SW-LB3-GT-316SS	1/8SW-LB3-GT-NP				
5/32 / 4mm	1/8SW-LB3 1/2-GT	1/8SW-LB3 1/2-GT-SS	1/8SW-LB3 1/2-GT-316SS	1/8SW-LB3 1/2-GT-NP				
.170	1/8SW-LB4-GT	1/8SW-LB4-GT-SS	1/8SW-LB4-GT-316SS	1/8SW-LB4-GT-NP				
3/16	1/8SW-LB5-GT	1/8SW-LB5-GT-SS	1/8SW-LB5-GT-316SS	1/8SW-LB5-GT-NP				
7/32	1/8SW-LB5 1/2-GT	1/8SW-LB5 1/2-GT-SS	1/8SW-LB5 1/2-GT-316SS	1/8SW-LB5 1/2-GT-NP				
6mm	1/8SW-LB5 3/4-GT	1/8SW-LB5 3/4-GT-SS	1/8SW-LB5 3/4-GT-316SS	1/8SW-LB5 3/4-GT-NP				
1/4	1/8SW-LB6-GT	1/8SW-LB6-GT-SS	1/8SW-LB6-GT-316SS	1/8SW-LB6-GT-NP				

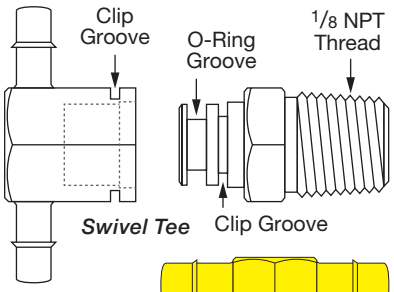
1/8 NPT Male Thread to Tube Swivel Tees with Clip Groove — 937

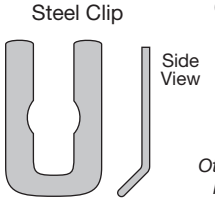




1/8SW-T1-GT

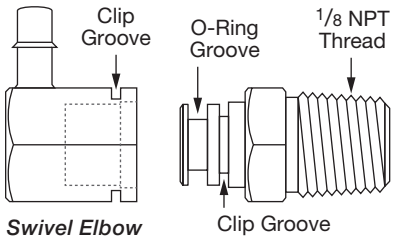
Tube ID	Part Numbers				Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/16	1/8SW-T1-GT	1/8SW-T1-GT-SS	1/8SW-T1-GT-316SS	1/8SW-T1-GT-NP	Consult Factory	Consult Factory	Consult Factory	Consult Factory
5/64 / 2mm	1/8SW-T2-GT	1/8SW-T2-GT-SS	1/8SW-T2-GT-316SS	1/8SW-T2-GT-NP				
3/32	1/8SW-T2 1/2-GT	1/8SW-T2 1/2-GT-SS	1/8SW-T2 1/2-GT-316SS	1/8SW-T2 1/2-GT-NP				
1/8	1/8SW-T3-GT	1/8SW-T3-GT-SS	1/8SW-T3-GT-316SS	1/8SW-T3-GT-NP				
5/32 / 4mm	1/8SW-T3 1/2-GT	1/8SW-T3 1/2-GT-SS	1/8SW-T3 1/2-GT-316SS	1/8SW-T3 1/2-GT-NP				
.170	1/8SW-T4-GT	1/8SW-T4-GT-SS	1/8SW-T4-GT-316SS	1/8SW-T4-GT-NP				
3/16	1/8SW-T5-GT	1/8SW-T5-GT-SS	1/8SW-T5-GT-316SS	1/8SW-T5-GT-NP				
7/32	1/8SW-T5 1/2-GT	1/8SW-T5 1/2-GT-SS	1/8SW-T5 1/2-GT-316SS	1/8SW-T5 1/2-GT-NP				
6mm	1/8SW-T5 3/4-GT	1/8SW-T5 3/4-GT-SS	1/8SW-T5 3/4-GT-316SS	1/8SW-T5 3/4-GT-NP				
1/4	1/8SW-T6-GT	1/8SW-T6-GT-SS	1/8SW-T6-GT-316SS	1/8SW-T6-GT-NP				





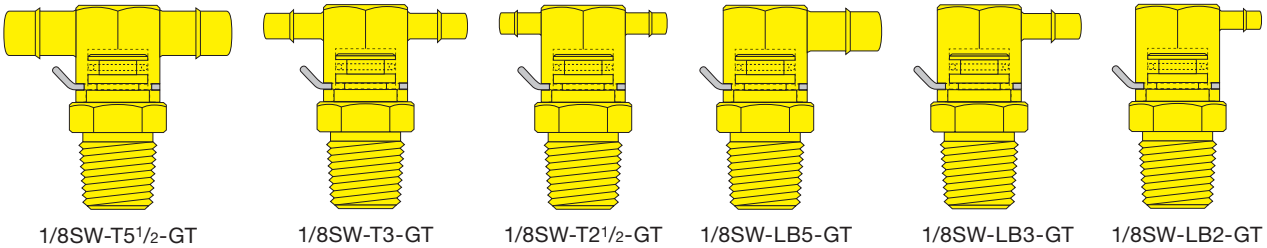
Unassembled Components

Supplied with Buna-N O-Ring. Other O-Ring options listed on page 65.



Other thread sizes available! Consult factory for details!

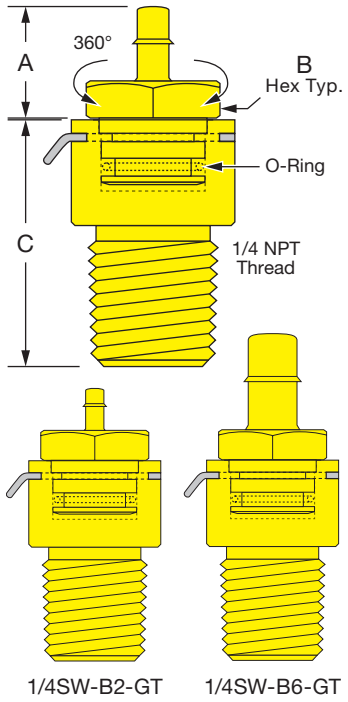
See pages 504 and 505 for other Swivel options!



1/8SW-T5 1/2-GT | 1/8SW-T3-GT | 1/8SW-T2 1/2-GT | 1/8SW-LB5-GT | 1/8SW-LB3-GT | 1/8SW-LB2-GT

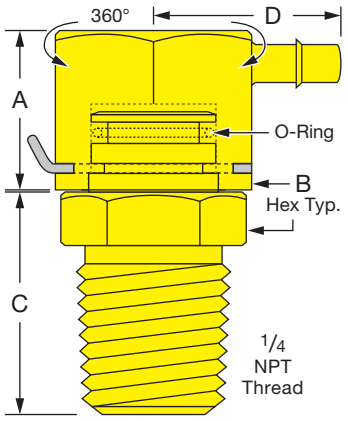
938 1/4 NPT Male Thread to Tube Swivel Fittings with Clip Groove

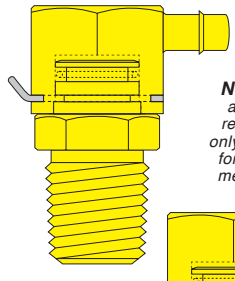
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	1/4SW-B1-GT	1/4SW-B1-GT-SS	1/4SW-B1-GT-316SS	1/4SW-B1-GT-NP	13/32	9/16	1.043
5/64 / 2mm	1/4SW-B2-GT	1/4SW-B2-GT-SS	1/4SW-B2-GT-316SS	1/4SW-B2-GT-NP	13/32	9/16	1.043
3/32	1/4SW-B2 1/2-GT	1/4SW-B2 1/2-GT-SS	1/4SW-B2 1/2-GT-316SS	1/4SW-B2 1/2-GT-NP	13/32	9/16	1.043
1/8	1/4SW-B3-GT	1/4SW-B3-GT-SS	1/4SW-B3-GT-316SS	1/4SW-B3-GT-NP	1/2	9/16	1.043
5/32 / 4mm	1/4SW-B3 1/2-GT	1/4SW-B3 1/2-GT-SS	1/4SW-B3 1/2-GT-316SS	1/4SW-B3 1/2-GT-NP	1/2	9/16	1.043
.170	1/4SW-B4-GT	1/4SW-B4-GT-SS	1/4SW-B4-GT-316SS	1/4SW-B4-GT-NP	17/32	9/16	1.043
3/16	1/4SW-B5-GT	1/4SW-B5-GT-SS	1/4SW-B5-GT-316SS	1/4SW-B5-GT-NP	9/16	9/16	1.043
7/32	1/4SW-B5 1/2-GT	1/4SW-B5 1/2-GT-SS	1/4SW-B5 1/2-GT-316SS	1/4SW-B5 1/2-GT-NP	9/16	9/16	1.043
6mm	1/4SW-B5 3/4-GT	1/4SW-B5 3/4-GT-SS	1/4SW-B5 3/4-GT-316SS	1/4SW-B5 3/4-GT-NP	11/16	9/16	1.043
1/4	1/4SW-B6-GT	1/4SW-B6-GT-SS	1/4SW-B6-GT-316SS	1/4SW-B6-GT-NP	11/16	9/16	1.043
5/16 / 8mm	1/4SW-B7-GT	1/4SW-B7-GT-SS	1/4SW-B7-GT-316SS	1/4SW-B7-GT-NP	13/16	9/16	1.043
3/8	1/4SW-B8-GT	1/4SW-B8-GT-SS	1/4SW-B8-GT-316SS	1/4SW-B8-GT-NP	23/32	9/16	1.043
1/2	1/4SW-B10-GT	1/4SW-B10-GT-SS	1/4SW-B10-GT-316SS	1/4SW-B10-GT-NP	1	5/8	1.043



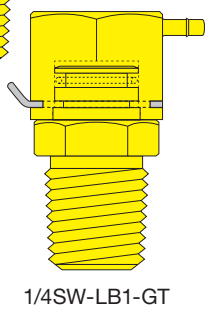
939 1/4 NPT Male Thread to Tube Swivel Elbows with Clip Groove

Tube ID	Part Numbers				Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/16	1/4SW-LB1-GT	1/4SW-LB1-GT-SS	1/4SW-LB1-GT-316SS	1/4SW-LB1-GT-NP	Consult Factory	Consult Factory	Consult Factory	Consult Factory
5/64 / 2mm	1/4SW-LB2-GT	1/4SW-LB2-GT-SS	1/4SW-LB2-GT-316SS	1/4SW-LB2-GT-NP				
3/32	1/4SW-LB2 1/2-GT	1/4SW-LB2 1/2-GT-SS	1/4SW-LB2 1/2-GT-316SS	1/4SW-LB2 1/2-GT-NP				
1/8	1/4SW-LB3-GT	1/4SW-LB3-GT-SS	1/4SW-LB3-GT-316SS	1/4SW-LB3-GT-NP				
5/32 / 4mm	1/4SW-LB3 1/2-GT	1/4SW-LB3 1/2-GT-SS	1/4SW-LB3 1/2-GT-316SS	1/4SW-LB3 1/2-GT-NP				
.170	1/4SW-LB4-GT	1/4SW-LB4-GT-SS	1/4SW-LB4-GT-316SS	1/4SW-LB4-GT-NP				
3/16	1/4SW-LB5-GT	1/4SW-LB5-GT-SS	1/4SW-LB5-GT-316SS	1/4SW-LB5-GT-NP				
7/32	1/4SW-LB5 1/2-GT	1/4SW-LB5 1/2-GT-SS	1/4SW-LB5 1/2-GT-316SS	1/4SW-LB5 1/2-GT-NP				
6mm	1/4SW-LB5 3/4-GT	1/4SW-LB5 3/4-GT-SS	1/4SW-LB5 3/4-GT-316SS	1/4SW-LB5 3/4-GT-NP				
1/4	1/4SW-LB6-GT	1/4SW-LB6-GT-SS	1/4SW-LB6-GT-316SS	1/4SW-LB6-GT-NP				
5/16 / 8mm	1/4SW-LB7-GT	1/4SW-LB7-GT-SS	1/4SW-LB7-GT-316SS	1/4SW-LB7-GT-NP				
3/8	1/4SW-LB8-GT	1/4SW-LB8-GT-SS	1/4SW-LB8-GT-316SS	1/4SW-LB8-GT-NP				
1/2	1/4SW-LB10-GT	1/4SW-LB10-GT-SS	1/4SW-LB10-GT-316SS	1/4SW-LB10-GT-NP				

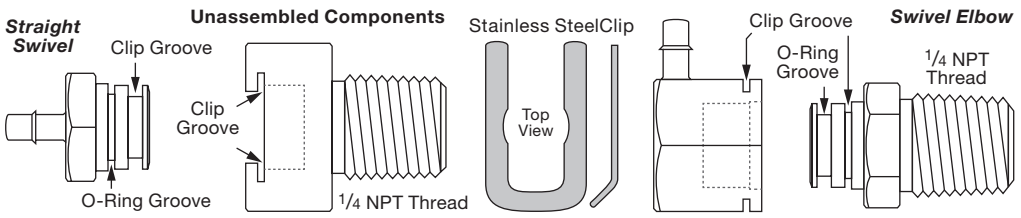




Note: *Images are for visual representation only; not intended for dimensional measurements.*

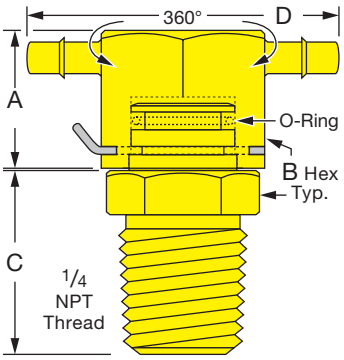


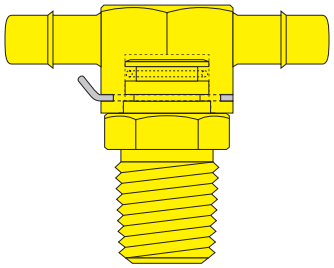
Other swivel options available! Consult factory for details!



02

1/4 NPT Male Thread to Tube Swivel Tees with Clip Groove — 940

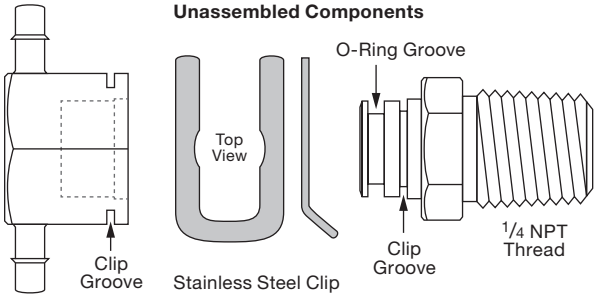


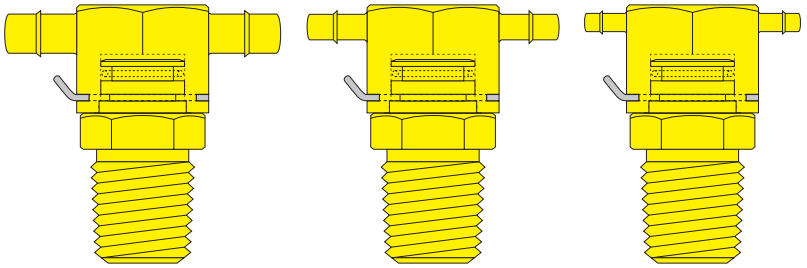


1/4SW-T6-GT

Tube ID	Part Numbers				Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/16	1/4SW-T1-GT	1/4SW-T1-GT-SS	1/4SW-T1-GT-316SS	1/4SW-T1-GT-NP	Consult Factory	Consult Factory	Consult Factory	Consult Factory
5/64 / 2mm	1/4SW-T2-GT	1/4SW-T2-GT-SS	1/4SW-T2-GT-316SS	1/4SW-T2-GT-NP	Consult Factory	Consult Factory	Consult Factory	Consult Factory
3/32	1/4SW-T2 1/2-GT	1/4SW-T2 1/2-GT-SS	1/4SW-T2 1/2-GT-316SS	1/4SW-T2 1/2-GT-NP	Consult Factory	Consult Factory	Consult Factory	Consult Factory
1/8	1/4SW-T3-GT	1/4SW-T3-GT-SS	1/4SW-T3-GT-316SS	1/4SW-T3-GT-NP	Consult Factory	Consult Factory	Consult Factory	Consult Factory
5/32 / 4mm	1/4SW-T3 1/2-GT	1/4SW-T3 1/2-GT-SS	1/4SW-T3 1/2-GT-316SS	1/4SW-T3 1/2-GT-NP	Consult Factory	Consult Factory	Consult Factory	Consult Factory
.170	1/4SW-T4-GT	1/4SW-T4-GT-SS	1/4SW-T4-GT-316SS	1/4SW-T4-GT-NP	Consult Factory	Consult Factory	Consult Factory	Consult Factory
3/16	1/4SW-T5-GT	1/4SW-T5-GT-SS	1/4SW-T5-GT-316SS	1/4SW-T5-GT-NP	Consult Factory	Consult Factory	Consult Factory	Consult Factory
7/32	1/4SW-T5 1/2-GT	1/4SW-T5 1/2-GT-SS	1/4SW-T5 1/2-GT-316SS	1/4SW-T5 1/2-GT-NP	Consult Factory	Consult Factory	Consult Factory	Consult Factory
6mm	1/4SW-T5 3/4-GT	1/4SW-T5 3/4-GT-SS	1/4SW-T5 3/4-GT-316SS	1/4SW-T5 3/4-GT-NP	Consult Factory	Consult Factory	Consult Factory	Consult Factory
1/4	1/4SW-T6-GT	1/4SW-T6-GT-SS	1/4SW-T6-GT-316SS	1/4SW-T6-GT-NP	Consult Factory	Consult Factory	Consult Factory	Consult Factory
5/16 / 8mm	1/4SW-T7-GT	1/4SW-T7-GT-SS	1/4SW-T7-GT-316SS	1/4SW-T7-GT-NP	Consult Factory	Consult Factory	Consult Factory	Consult Factory
3/8	1/4SW-T8-GT	1/4SW-T8-GT-SS	1/4SW-T8-GT-316SS	1/4SW-T8-GT-NP	Consult Factory	Consult Factory	Consult Factory	Consult Factory
1/2	1/4SW-T10-GT	1/4SW-T10-GT-SS	1/4SW-T10-GT-316SS	1/4SW-T10-GT-NP	Consult Factory	Consult Factory	Consult Factory	Consult Factory

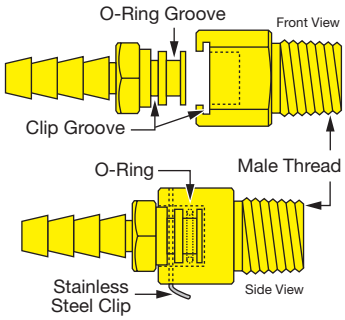
Unassembled Components

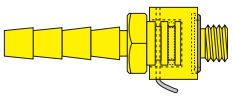




1/4SW-T5-GT | 1/4SW-T3-GT | 1/4SW-T2-GT

Male Thread to Tube/Hose Multi-Barb Swivel Fittings with Clip Groove — 941





10SW-B3-CT-GT

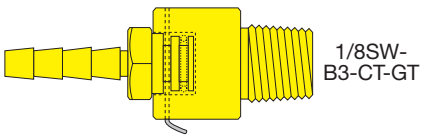
Branches		Branches		Branches		Branches		Male Thread Sizes	Male Thread Sizes
Tube / Hose ID	Branch Number	Tube / Hose ID	Branch Number	Tube / Hose ID	Branch Number	Tube / Hose ID	Branch Number		
1/16	B1	1/8	B3	3/16	B5	1/4	B6	10-32	3/8 NPT
5/64 / 2mm	B2	5/32 / 4mm	B3 1/2	7/32	B5 1/2	5/16 / 8mm	B7	1/8 NPT	1/2 NPT
3/32	B2 1/2	.170	B4	6mm	B5 3/4	3/8	B8	1/4 NPT	5/8 NPT
						1/2	B10		

Consult factory for details and dimensions!

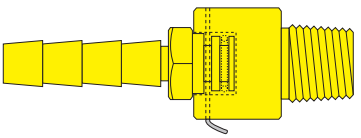
Other thread options available! Consult factory for details!

Part Numbers for Male Thread to Tube Multi-Barb Swivel Fittings:

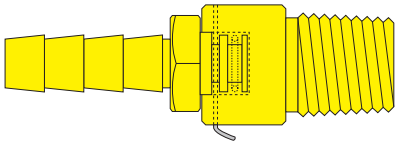
Thread Size → #/# — Fitting Series → SW-B — # — Branch # → - — CT — Multi-Barb Indicator → - — GT — GT Series Indicator



1/8SW-B3-CT-GT



1/8SW-B5-CT-GT

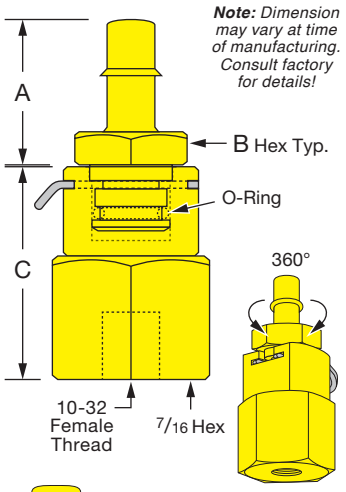


1/4SW-B6-CT-GT

Unless otherwise specified, parts will be Brass. To order other materials, add the following codes to the end of the part number:
-SS = Stainless Steel 303 **-316SS =** Stainless Steel 316 **-AL =** Aluminum **-NP =** Electroless Nickel Plate

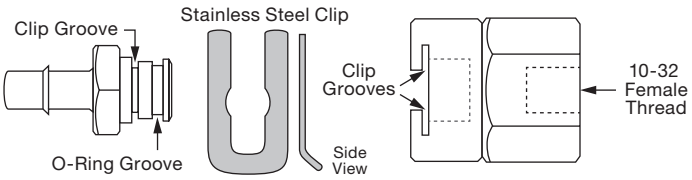
942 10-32 Female Thread to Tube Swivel Fittings with Clip Groove

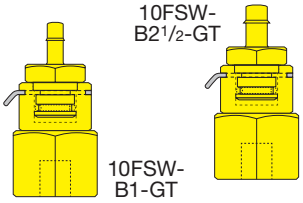
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	10FSW-B1-GT	10FSW-B1-GT-SS	10FSW-B1-GT-316SS	10FSW-B1-GT-NP	5/16	5/16	19/32
5/64 / 2mm	10FSW-B2-GT	10FSW-B2-GT-SS	10FSW-B2-GT-316SS	10FSW-B2-GT-NP	5/16	5/16	19/32
3/32	10FSW-B2 1/2-GT	10FSW-B2 1/2-GT-SS	10FSW-B2 1/2-GT-316SS	10FSW-B2 1/2-GT-NP	5/16	5/16	19/32
1/8	10FSW-B3-GT	10FSW-B3-GT-SS	10FSW-B3-GT-316SS	10FSW-B3-GT-NP	13/32	5/16	19/32
5/32 / 4mm	10FSW-B3 1/2-GT	10FSW-B3 1/2-GT-SS	10FSW-B3 1/2-GT-316SS	10FSW-B3 1/2-GT-NP	13/32	5/16	19/32
.170	10FSW-B4-GT	10FSW-B4-GT-SS	10FSW-B4-GT-316SS	10FSW-B4-GT-NP	7/16	5/16	19/32
3/16	10FSW-B5-GT	10FSW-B5-GT-SS	10FSW-B5-GT-316SS	10FSW-B5-GT-NP	15/32	5/16	19/32
7/32	10FSW-B5 1/2-GT	10FSW-B5 1/2-GT-SS	10FSW-B5 1/2-GT-316SS	10FSW-B5 1/2-GT-NP	15/32	5/16	19/32
6mm	10FSW-B5 3/4-GT	10FSW-B5 3/4-GT-SS	10FSW-B5 3/4-GT-316SS	10FSW-B5 3/4-GT-NP	19/32	5/16	19/32
1/4	10FSW-B6-GT	10FSW-B6-GT-SS	10FSW-B6-GT-316SS	10FSW-B6-GT-NP	19/32	5/16	19/32

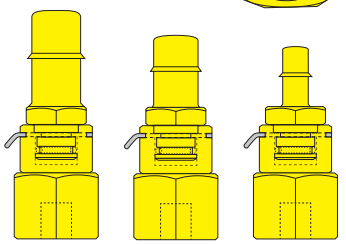


Note: Dimension may vary at time of manufacturing. Consult factory for details!

Unassembled Components

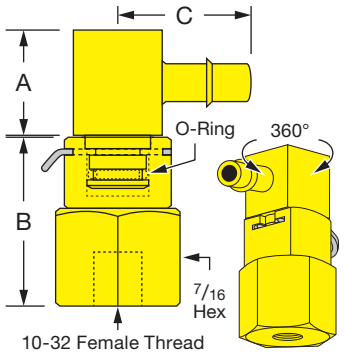


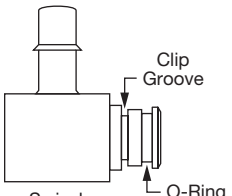


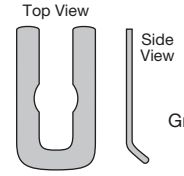


943 10-32 Female Thread to Tube Swivel Elbows with Square Bodies and Clip Groove

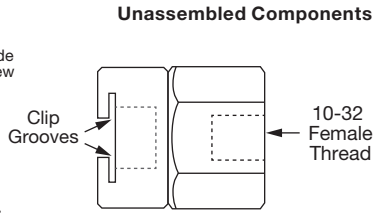
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Ref.	C Ref.
1/16	10FSW-LB1-SQ-GT	10FSW-LB1-SQ-GT-SS	10FSW-LB1-SQ-GT-316SS	10FSW-LB1-SQ-GT-NP	3/8	19/32	3/8
5/64 / 2mm	10FSW-LB2-SQ-GT	10FSW-LB2-SQ-GT-SS	10FSW-LB2-SQ-GT-316SS	10FSW-LB2-SQ-GT-NP	3/8	19/32	3/8
3/32	10FSW-LB2 1/2-SQ-GT	10FSW-LB2 1/2-SQ-GT-SS	10FSW-LB2 1/2-SQ-GT-316SS	10FSW-LB2 1/2-SQ-GT-NP	3/8	19/32	3/8
1/8	10FSW-LB3-SQ-GT	10FSW-LB3-SQ-GT-SS	10FSW-LB3-SQ-GT-316SS	10FSW-LB3-SQ-GT-NP	3/8	19/32	15/32
5/32 / 4mm	10FSW-LB3 1/2-SQ-GT	10FSW-LB3 1/2-SQ-GT-SS	10FSW-LB3 1/2-SQ-GT-316SS	10FSW-LB3 1/2-SQ-GT-NP	3/8	19/32	15/32
.170	10FSW-LB4-SQ-GT	10FSW-LB4-SQ-GT-SS	10FSW-LB4-SQ-GT-316SS	10FSW-LB4-SQ-GT-NP	3/8	19/32	1/2
3/16	10FSW-LB5-SQ-GT	10FSW-LB5-SQ-GT-SS	10FSW-LB5-SQ-GT-316SS	10FSW-LB5-SQ-GT-NP	3/8	19/32	17/32
7/32	10FSW-LB5 1/2-SQ-GT	10FSW-LB5 1/2-SQ-GT-SS	10FSW-LB5 1/2-SQ-GT-316SS	10FSW-LB5 1/2-SQ-GT-NP	3/8	19/32	17/32
6mm	10FSW-LB5 3/4-SQ-GT	10FSW-LB5 3/4-SQ-GT-SS	10FSW-LB5 3/4-SQ-GT-316SS	10FSW-LB5 3/4-SQ-GT-NP	3/8	19/32	21/32
1/4	10FSW-LB6-SQ-GT	10FSW-LB6-SQ-GT-SS	10FSW-LB6-SQ-GT-316SS	10FSW-LB6-SQ-GT-NP	3/8	19/32	21/32

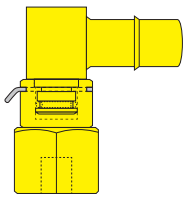


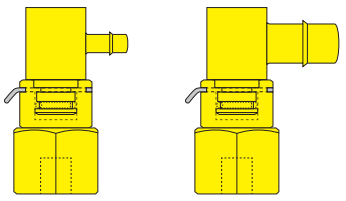


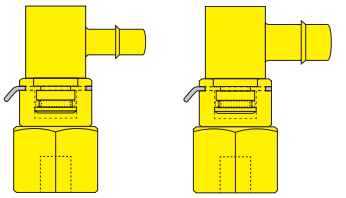


Unassembled Components





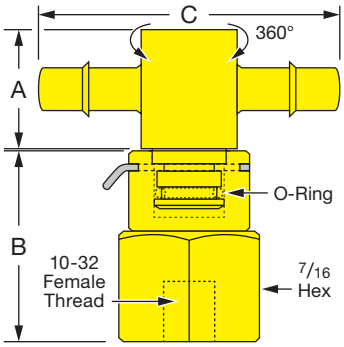




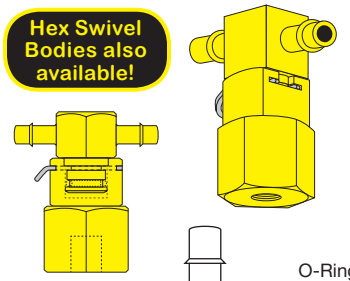
Swivel Elbows are also available with Hex Swivel Bodies! Consult factory for details!

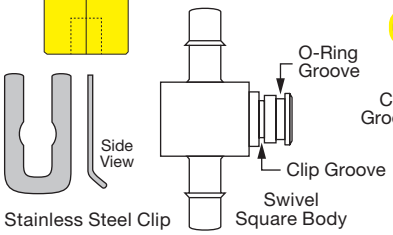
02

10-32 Female Thread to Tube Swivel Tees with Square Bodies and Clip Groove 944



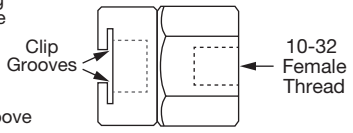
Hex Swivel Bodies also available!



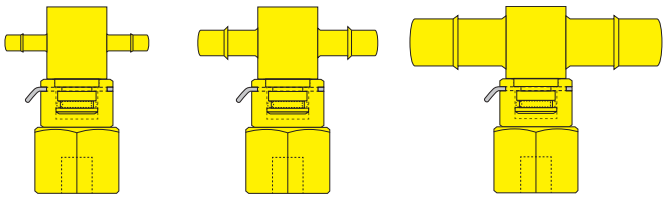


Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Ref.	C Ref.
1/16	10FSW-T1-SQ-GT	10FSW-T1-SQ-GT-SS	10FSW-T1-SQ-GT-316SS	10FSW-T1-SQ-GT-NP	3/8	19/32	7/8
5/64 / 2mm	10FSW-T2-SQ-GT	10FSW-T2-SQ-GT-SS	10FSW-T2-SQ-GT-316SS	10FSW-T2-SQ-GT-NP	3/8	19/32	7/8
3/32	10FSW-T2 1/2-SQ-GT	10FSW-T2 1/2-SQ-GT-SS	10FSW-T2 1/2-SQ-GT-316SS	10FSW-T2 1/2-SQ-GT-NP	3/8	19/32	7/8
1/8	10FSW-T3-SQ-GT	10FSW-T3-SQ-GT-SS	10FSW-T3-SQ-GT-316SS	10FSW-T3-SQ-GT-NP	3/8	19/32	15/16
5/32 / 4mm	10FSW-T3 1/2-SQ-GT	10FSW-T3 1/2-SQ-GT-SS	10FSW-T3 1/2-SQ-GT-316SS	10FSW-T3 1/2-SQ-GT-NP	3/8	19/32	15/16
.170	10FSW-T4-SQ-GT	10FSW-T4-SQ-GT-SS	10FSW-T4-SQ-GT-316SS	10FSW-T4-SQ-GT-NP	3/8	19/32	15/16
3/16	10FSW-T5-SQ-GT	10FSW-T5-SQ-GT-SS	10FSW-T5-SQ-GT-316SS	10FSW-T5-SQ-GT-NP	3/8	19/32	1 1/16
7/32	10FSW-T5 1/2-SQ-GT	10FSW-T5 1/2-SQ-GT-SS	10FSW-T5 1/2-SQ-GT-316SS	10FSW-T5 1/2-SQ-GT-NP	3/8	19/32	1 1/16
6mm	10FSW-T5 3/4-SQ-GT	10FSW-T5 3/4-SQ-GT-SS	10FSW-T5 3/4-SQ-GT-316SS	10FSW-T5 3/4-SQ-GT-NP	3/8	19/32	1 3/16
1/4	10FSW-T6-SQ-GT	10FSW-T6-SQ-GT-SS	10FSW-T6-SQ-GT-316SS	10FSW-T6-SQ-GT-NP	3/8	19/32	1 3/16

O-Ring options on page 65!

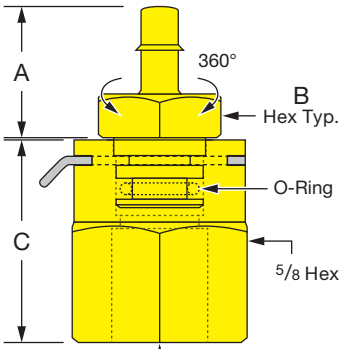


Unassembled Components

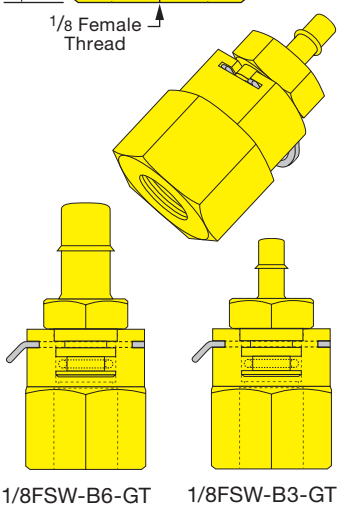


10FSW-T1-SQ-GT 10FSW-T3-SQ-GT 10FSW-T5 3/4-SQ-GT

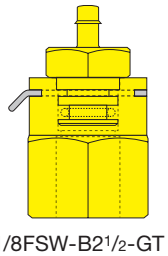
1/8 NPT Female Thread to Tube Swivel Fittings with Clip Groove 945



Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	1/8FSW-B1-GT	1/8FSW-B1-GT-SS	1/8FSW-B1-GT-316SS	1/8FSW-B1-GT-NP	7/32	1/2	.730
5/64 / 2mm	1/8FSW-B2-GT	1/8FSW-B2-GT-SS	1/8FSW-B2-GT-316SS	1/8FSW-B2-GT-NP	7/32	1/2	.730
3/32	1/8FSW-B2 1/2-GT	1/8FSW-B2 1/2-GT-SS	1/8FSW-B2 1/2-GT-316SS	1/8FSW-B2 1/2-GT-NP	7/32	1/2	.730
1/8	1/8FSW-B3-GT	1/8FSW-B3-GT-SS	1/8FSW-B3-GT-316SS	1/8FSW-B3-GT-NP	5/16	1/2	.730
5/32 / 4mm	1/8FSW-B3 1/2-GT	1/8FSW-B3 1/2-GT-SS	1/8FSW-B3 1/2-GT-316SS	1/8FSW-B3 1/2-GT-NP	5/16	1/2	.730
.170	1/8FSW-B4-GT	1/8FSW-B4-GT-SS	1/8FSW-B4-GT-316SS	1/8FSW-B4-GT-NP	5/16	1/2	.730
3/16	1/8FSW-B5-GT	1/8FSW-B5-GT-SS	1/8FSW-B5-GT-316SS	1/8FSW-B5-GT-NP	7/16	1/2	.730
7/32	1/8FSW-B5 1/2-GT	1/8FSW-B5 1/2-GT-SS	1/8FSW-B5 1/2-GT-316SS	1/8FSW-B5 1/2-GT-NP	7/16	1/2	.730
6mm	1/8FSW-B5 3/4-GT	1/8FSW-B5 3/4-GT-SS	1/8FSW-B5 3/4-GT-316SS	1/8FSW-B5 3/4-GT-NP	1/2	1/2	.730
1/4	1/8FSW-B6-GT	1/8FSW-B6-GT-SS	1/8FSW-B6-GT-316SS	1/8FSW-B6-GT-NP	1/2	1/2	.730

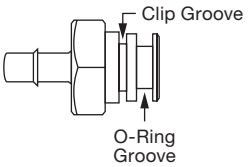


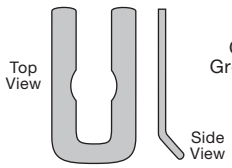
1/8FSW-B6-GT 1/8FSW-B3-GT

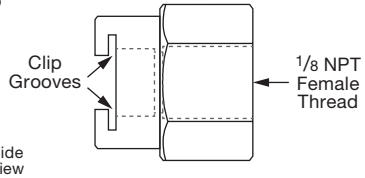


1/8FSW-B2 1/2-GT

Unassembled Components



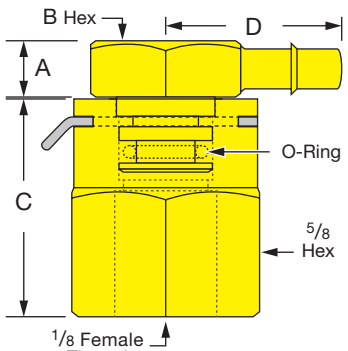


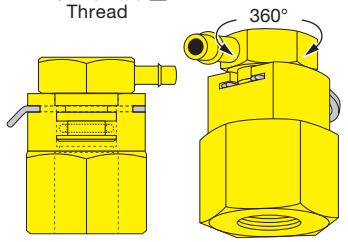


Other Swivel fitting options/thread sizes available! Consult factory for details!

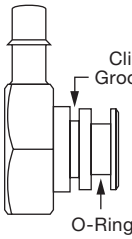
946 1/8 NPT Female Thread to Tube Swivel Elbows with Clip Groove

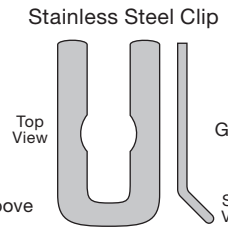
Tube ID	Part Numbers				Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/16	1/8FSW-LB1-GT	1/8FSW-LB1-GT-SS	1/8FSW-LB1-GT-316SS	1/8FSW-LB1-GT-NP	3/16	1/2	.730	15/32
5/64 / 2mm	1/8FSW-LB2-GT	1/8FSW-LB2-GT-SS	1/8FSW-LB2-GT-316SS	1/8FSW-LB2-GT-NP	3/16	1/2	.730	15/32
3/32	1/8FSW-LB2 1/2-GT	1/8FSW-LB2 1/2-GT-SS	1/8FSW-LB2 1/2-GT-316SS	1/8FSW-LB2 1/2-GT-NP	3/16	1/2	.730	15/32
1/8	1/8FSW-LB3-GT	1/8FSW-LB3-GT-SS	1/8FSW-LB3-GT-316SS	1/8FSW-LB3-GT-NP	3/16	1/2	.730	9/16
5/32 / 4mm	1/8FSW-LB3 1/2-GT	1/8FSW-LB3 1/2-GT-SS	1/8FSW-LB3 1/2-GT-316SS	1/8FSW-LB3 1/2-GT-NP	3/16	1/2	.730	9/16
.170	1/8FSW-LB4-GT	1/8FSW-LB4-GT-SS	1/8FSW-LB4-GT-316SS	1/8FSW-LB4-GT-NP	1/4	1/2	.730	19/32
3/16	1/8FSW-LB5-GT	1/8FSW-LB5-GT-SS	1/8FSW-LB5-GT-316SS	1/8FSW-LB5-GT-NP	1/4	1/2	.730	5/8
7/32	1/8FSW-LB5 1/2-GT	1/8FSW-LB5 1/2-GT-SS	1/8FSW-LB5 1/2-GT-316SS	1/8FSW-LB5 1/2-GT-NP	1/4	1/2	.730	5/8
6mm	1/8FSW-LB5 3/4-GT	1/8FSW-LB5 3/4-GT-SS	1/8FSW-LB5 3/4-GT-316SS	1/8FSW-LB5 3/4-GT-NP	5/16	1/2	.730	3/4
1/4	1/8FSW-LB6-GT	1/8FSW-LB6-GT-SS	1/8FSW-LB6-GT-316SS	1/8FSW-LB6-GT-NP	5/16	1/2	.730	3/4

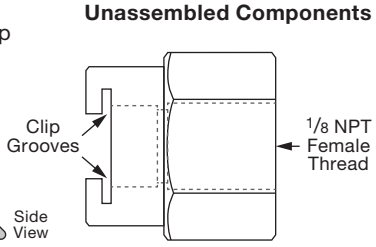


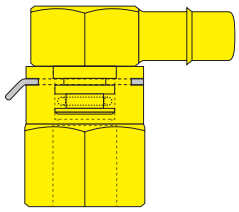


1/8FSW-LB2-GT



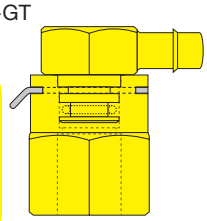






1/8FSW-LB6-GT

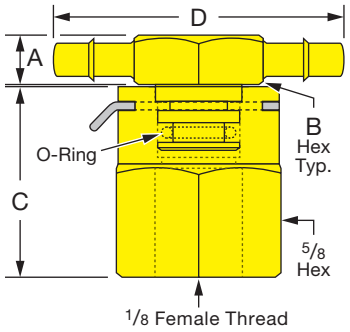
1/8 NPT Swivel Elbows are also available with square swivel bodies!

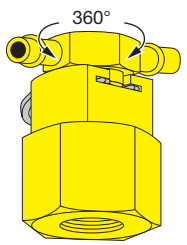


1/8FSW-LB4-GT

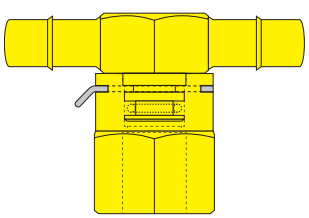
947 1/8 NPT Female Thread to Tube Swivel Tees with Clip Groove

Tube ID	Part Numbers				Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/16	1/8FSW-T1-GT	1/8FSW-T1-GT-SS	1/8FSW-T1-GT-316SS	1/8FSW-T1-GT-NP	3/16	1/2	.730	15/16
5/64 / 2mm	1/8FSW-T2-GT	1/8FSW-T2-GT-SS	1/8FSW-T2-GT-316SS	1/8FSW-T2-GT-NP	3/16	1/2	.730	15/16
3/32	1/8FSW-T2 1/2-GT	1/8FSW-T2 1/2-GT-SS	1/8FSW-T2 1/2-GT-316SS	1/8FSW-T2 1/2-GT-NP	3/16	1/2	.730	15/16
1/8	1/8FSW-T3-GT	1/8FSW-T3-GT-SS	1/8FSW-T3-GT-316SS	1/8FSW-T3-GT-NP	3/16	1/2	.730	1 1/8
5/32 / 4mm	1/8FSW-T3 1/2-GT	1/8FSW-T3 1/2-GT-SS	1/8FSW-T3 1/2-GT-316SS	1/8FSW-T3 1/2-GT-NP	3/16	1/2	.730	1 1/8
.170	1/8FSW-T4-GT	1/8FSW-T4-GT-SS	1/8FSW-T4-GT-316SS	1/8FSW-T4-GT-NP	1/4	1/2	.730	1 3/16
3/16	1/8FSW-T5-GT	1/8FSW-T5-GT-SS	1/8FSW-T5-GT-316SS	1/8FSW-T5-GT-NP	1/4	1/2	.730	1 1/4
7/32	1/8FSW-T5 1/2-GT	1/8FSW-T5 1/2-GT-SS	1/8FSW-T5 1/2-GT-316SS	1/8FSW-T5 1/2-GT-NP	1/4	1/2	.730	1 1/4
6mm	1/8FSW-T5 3/4-GT	1/8FSW-T5 3/4-GT-SS	1/8FSW-T5 3/4-GT-316SS	1/8FSW-T5 3/4-GT-NP	5/16	1/2	.730	1 1/2
1/4	1/8FSW-T6-GT	1/8FSW-T6-GT-SS	1/8FSW-T6-GT-316SS	1/8FSW-T6-GT-NP	5/16	1/2	.730	1 1/2

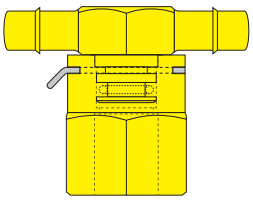




1/8 NPT Swivel Tees are also available with square swivel bodies!



1/8FSW-T5 3/4-GT



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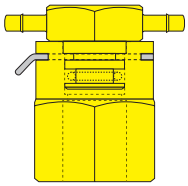

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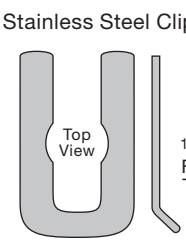
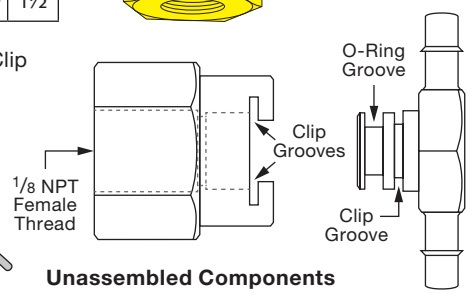
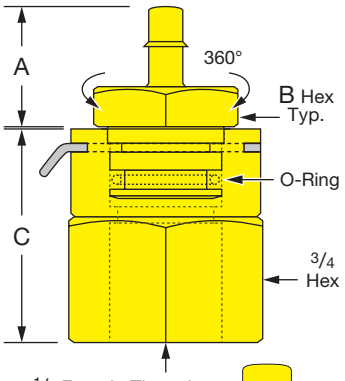


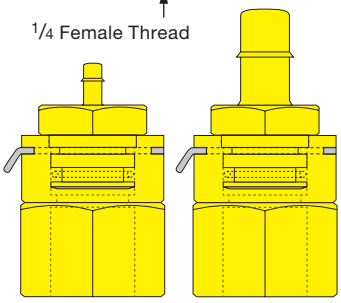


Unassembled Components

02

1/4 NPT Female Thread to Tube Swivel Fittings with Clip Groove 948

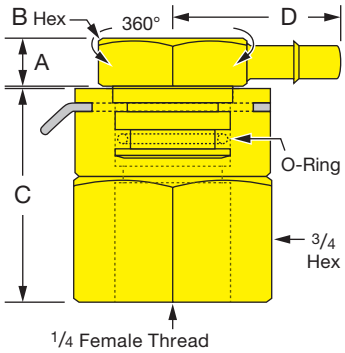


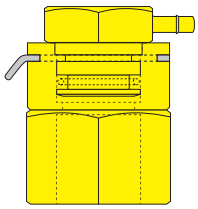


1/4FSW-B2-GT 1/4FSW-B6-GT

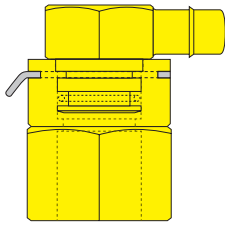
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	1/4FSW-B1-GT	1/4FSW-B1-GT-SS	1/4FSW-B1-GT-316SS	1/4FSW-B1-GT-NP	13/32	9/16	.740
5/64 / 2mm	1/4FSW-B2-GT	1/4FSW-B2-GT-SS	1/4FSW-B2-GT-316SS	1/4FSW-B2-GT-NP	13/32	9/16	.740
3/32	1/4FSW-B2 1/2-GT	1/4FSW-B2 1/2-GT-SS	1/4FSW-B2 1/2-GT-316SS	1/4FSW-B2 1/2-GT-NP	13/32	9/16	.740
1/8	1/4FSW-B3-GT	1/4FSW-B3-GT-SS	1/4FSW-B3-GT-316SS	1/4FSW-B3-GT-NP	1/2	9/16	.740
5/32 / 4mm	1/4FSW-B3 1/2-GT	1/4FSW-B3 1/2-GT-SS	1/4FSW-B3 1/2-GT-316SS	1/4FSW-B3 1/2-GT-NP	1/2	9/16	.740
.170	1/4FSW-B4-GT	1/4FSW-B4-GT-SS	1/4FSW-B4-GT-316SS	1/4FSW-B4-GT-NP	17/32	9/16	.740
3/16	1/4FSW-B5-GT	1/4FSW-B5-GT-SS	1/4FSW-B5-GT-316SS	1/4FSW-B5-GT-NP	9/16	9/16	.740
7/32	1/4FSW-B5 1/2-GT	1/4FSW-B5 1/2-GT-SS	1/4FSW-B5 1/2-GT-316SS	1/4FSW-B5 1/2-GT-NP	9/16	9/16	.740
6mm	1/4FSW-B5 3/4-GT	1/4FSW-B5 3/4-GT-SS	1/4FSW-B5 3/4-GT-316SS	1/4FSW-B5 3/4-GT-NP	11/16	9/16	.740
1/4	1/4FSW-B6-GT	1/4FSW-B6-GT-SS	1/4FSW-B6-GT-316SS	1/4FSW-B6-GT-NP	11/16	9/16	.740
5/16 / 8mm	1/4FSW-B7-GT	1/4FSW-B7-GT-SS	1/4FSW-B7-GT-316SS	1/4FSW-B7-GT-NP	13/16	5/8	.740
3/8	1/4FSW-B8-GT	1/4FSW-B8-GT-SS	1/4FSW-B8-GT-316SS	1/4FSW-B8-GT-NP	23/32	5/8	.740
1/2	1/4FSW-B10-GT	1/4FSW-B10-GT-SS	1/4FSW-B10-GT-316SS	1/4FSW-B10-GT-NP	1	5/8	.740

1/4 NPT Female Thread to Tube Swivel Elbows with Clip Groove 949





1/4FSW-LB1-GT

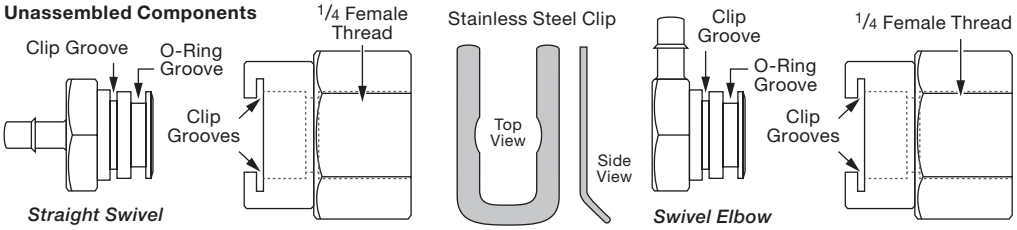


1/4FSW-LB5 1/2-GT

Tube ID	Part Numbers				Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/16	1/4FSW-LB1-GT	1/4FSW-LB1-GT-SS	1/4FSW-LB1-GT-316SS	1/4FSW-LB1-GT-NP	3/16	9/16	.740	1/2
5/64 / 2mm	1/4FSW-LB2-GT	1/4FSW-LB2-GT-SS	1/4FSW-LB2-GT-316SS	1/4FSW-LB2-GT-NP	3/16	9/16	.740	1/2
3/32	1/4FSW-LB2 1/2-GT	1/4FSW-LB2 1/2-GT-SS	1/4FSW-LB2 1/2-GT-316SS	1/4FSW-LB2 1/2-GT-NP	3/16	9/16	.740	1/2
1/8	1/4FSW-LB3-GT	1/4FSW-LB3-GT-SS	1/4FSW-LB3-GT-316SS	1/4FSW-LB3-GT-NP	3/16	9/16	.740	19/32
5/32 / 4mm	1/4FSW-LB3 1/2-GT	1/4FSW-LB3 1/2-GT-SS	1/4FSW-LB3 1/2-GT-316SS	1/4FSW-LB3 1/2-GT-NP	3/16	9/16	.740	19/32
.170	1/4FSW-LB4-GT	1/4FSW-LB4-GT-SS	1/4FSW-LB4-GT-316SS	1/4FSW-LB4-GT-NP	1/4	9/16	.740	5/8
3/16	1/4FSW-LB5-GT	1/4FSW-LB5-GT-SS	1/4FSW-LB5-GT-316SS	1/4FSW-LB5-GT-NP	1/4	9/16	.740	21/32
7/32	1/4FSW-LB5 1/2-GT	1/4FSW-LB5 1/2-GT-SS	1/4FSW-LB5 1/2-GT-316SS	1/4FSW-LB5 1/2-GT-NP	1/4	9/16	.740	21/32
6mm	1/4FSW-LB5 3/4-GT	1/4FSW-LB5 3/4-GT-SS	1/4FSW-LB5 3/4-GT-316SS	1/4FSW-LB5 3/4-GT-NP	5/16	9/16	.740	25/32
1/4	1/4FSW-LB6-GT	1/4FSW-LB6-GT-SS	1/4FSW-LB6-GT-316SS	1/4FSW-LB6-GT-NP	5/16	9/16	.740	25/32
5/16 / 8mm	1/4FSW-LB7-GT	1/4FSW-LB7-GT-SS	1/4FSW-LB7-GT-316SS	1/4FSW-LB7-GT-NP	45/64	5/8	.740	29/32
3/8	1/4FSW-LB8-GT	1/4FSW-LB8-GT-SS	1/4FSW-LB8-GT-316SS	1/4FSW-LB8-GT-NP	45/64	5/8	.740	27/32
1/2	1/4FSW-LB10-GT	1/4FSW-LB10-GT-SS	1/4FSW-LB10-GT-316SS	1/4FSW-LB10-GT-NP	45/64	5/8	.740	1 1/32

1/4 NPT Female Thread Swivel Fittings are available square bodies!

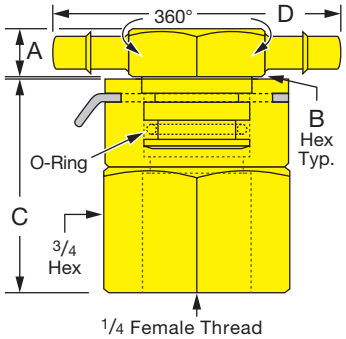
Unassembled Components

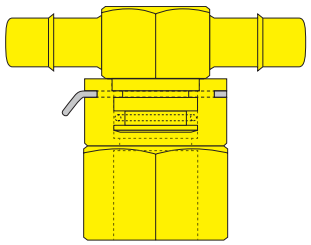


Straight Swivel *Swivel Elbow*

950 — 1/4 NPT Female Thread to Tube Swivel Tees with Clip Groove

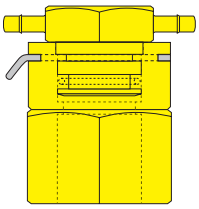
Tube ID	Part Numbers				Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/16	1/4FSW-T1-GT	1/4FSW-T1-GT-SS	1/4FSW-T1-GT-316SS	1/4FSW-T1-GT-NP	3/16	9/16	.740	1
5/64 / 2mm	1/4FSW-T2-GT	1/4FSW-T2-GT-SS	1/4FSW-T2-GT-316SS	1/4FSW-T2-GT-NP	3/16	9/16	.740	1
3/32	1/4FSW-T2 1/2-GT	1/4FSW-T2 1/2-GT-SS	1/4FSW-T2 1/2-GT-316SS	1/4FSW-T2 1/2-GT-NP	3/16	9/16	.740	1
1/8	1/4FSW-T3-GT	1/4FSW-T3-GT-SS	1/4FSW-T3-GT-316SS	1/4FSW-T3-GT-NP	3/16	9/16	.740	1 3/16
5/32 / 4mm	1/4FSW-T3 1/2-GT	1/4FSW-T3 1/2-GT-SS	1/4FSW-T3 1/2-GT-316SS	1/4FSW-T3 1/2-GT-NP	3/16	9/16	.740	1 3/16
.170	1/4FSW-T4-GT	1/4FSW-T4-GT-SS	1/4FSW-T4-GT-316SS	1/4FSW-T4-GT-NP	1/4	9/16	.740	1 1/4
3/16	1/4FSW-T5-GT	1/4FSW-T5-GT-SS	1/4FSW-T5-GT-316SS	1/4FSW-T5-GT-NP	1/4	9/16	.740	1 5/16
7/32	1/4FSW-T5 1/2-GT	1/4FSW-T5 1/2-GT-SS	1/4FSW-T5 1/2-GT-316SS	1/4FSW-T5 1/2-GT-NP	1/4	9/16	.740	1 5/16
6mm	1/4FSW-T5 3/4-GT	1/4FSW-T5 3/4-GT-SS	1/4FSW-T5 3/4-GT-316SS	1/4FSW-T5 3/4-GT-NP	5/16	9/16	.740	1 9/16
1/4	1/4FSW-T6-GT	1/4FSW-T6-GT-SS	1/4FSW-T6-GT-316SS	1/4FSW-T6-GT-NP	5/16	9/16	.740	1 9/16
5/16 / 8mm	1/4FSW-T7-GT	1/4FSW-T7-GT-SS	1/4FSW-T7-GT-316SS	1/4FSW-T7-GT-NP	45/64	5/8	.740	1 13/16
3/8	1/4FSW-T8-GT	1/4FSW-T8-GT-SS	1/4FSW-T8-GT-316SS	1/4FSW-T8-GT-NP	45/64	5/8	.740	1 11/16
1/2	1/4FSW-T10-GT	1/4FSW-T10-GT-SS	1/4FSW-T10-GT-316SS	1/4FSW-T10-GT-NP	45/64	5/8	.740	2 1/16



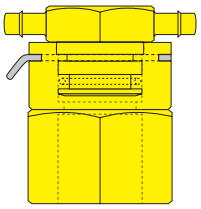


1/4FSW-T6-GT

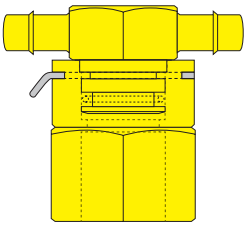
Square Swivel Body options available!



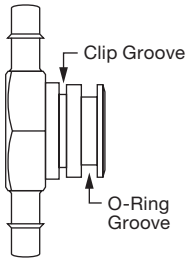
1/4FSW-T1-GT

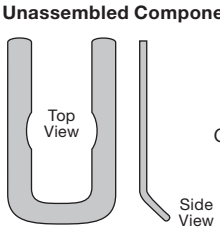


1/4FSW-T2 1/2-GT

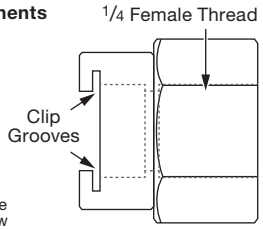


1/4FSW-T4-GT





Stainless Steel Clip



951 — Female Thread to Tube/Hose Multi-Barb Swivel Fittings with Clip Groove

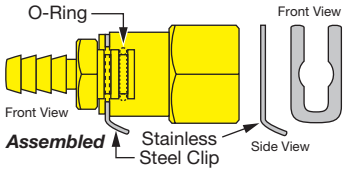
NPT Male Thread Sizes	NPT Male Thread Sizes
10-32	3/8
1/8	1/2
1/4	5/8

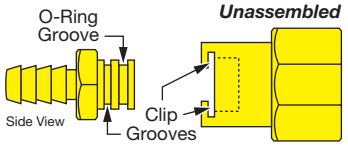
Branches	
Tube / Hose ID	Branch Number
1/16	B1
5/64 / 2mm	B2
3/32	B2 1/2

Branches	
Tube / Hose ID	Branch Number
1/8	B3
5/32 / 4mm	B3 1/2
.170	B4

Branches	
Tube / Hose ID	Branch Number
3/16	B5
7/32	B5 1/2
6mm	B5 3/4

Branches	
Tube / Hose ID	Branch Number
1/4	B6
5/16 / 8mm	B7
3/8	B8
1/2	B10





Consult factory for details and dimensions!

Other thread sizes available! Lead times apply! Consult factory for details!

Unless otherwise specified, parts will be Brass. To order other materials, add the following codes to the end of the part number:

-SS = Stainless Steel 303

-316SS = Stainless Steel 316

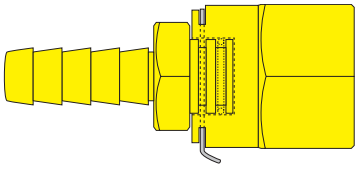
-NP = Electroless Nickel Plate

Part Numbers for Female Thread to Tube Multi-Barb Swivel Fittings:

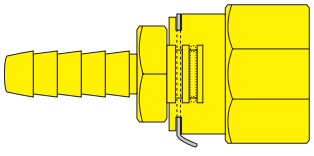
Thread Size → **#/#** **FSW-B** **#** - **CT** - **GT** ← GT Series Indicator

Fitting Series ↑ Branch # ↑ Multi-Barb Indicator

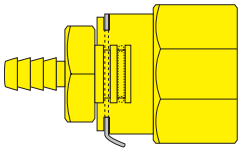
Square Body options also available!



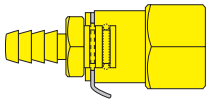
1/4FSW-B6-CT-GT



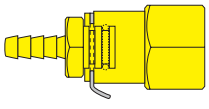
1/8FSW-B5-CT-GT



1/8FSW-B3-CT-GT



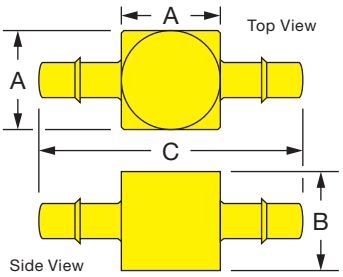
10FSW-B3-CT-GT

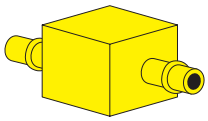


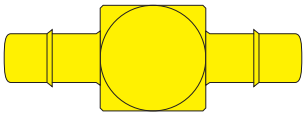
10FSW-B2-CT-GT

P2

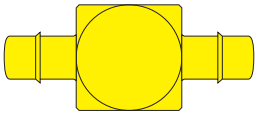
Tube to Tube Square Sided Couplings 952



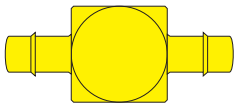




C6-SQ

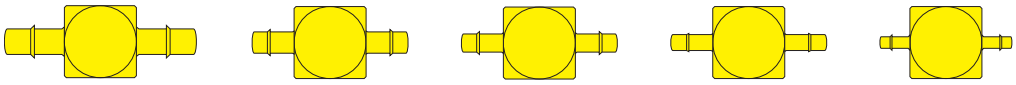


C5½-SQ



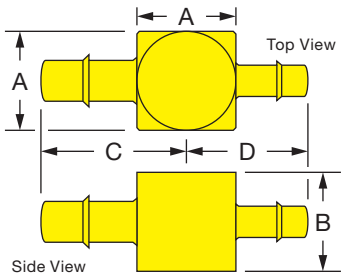
C4-SQ

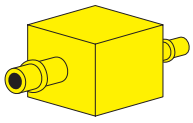
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Ref.	C Ref.
1/32	C.031-SQ	C.031-SQ-SS	C.031-SQ-316SS	C.031-SQ-NP	3/8	3/8	11/16
.040 / 1mm	C.040-SQ	C.040-SQ-SS	C.040-SQ-316SS	C.040-SQ-NP	3/8	3/8	11/16
3/64	C.045-SQ	C.045-SQ-SS	C.045-SQ-316SS	C.045-SQ-NP	3/8	3/8	11/16
.050	C.050-SQ	C.050-SQ-SS	C.050-SQ-316SS	C.050-SQ-NP	3/8	3/8	11/16
1/16	C1-SQ	C1-SQ-SS	C1-SQ-316SS	C1-SQ-NP	3/8	3/8	13/16
5/64 / 2mm	C2-SQ	C2-SQ-SS	C2-SQ-316SS	C2-SQ-NP	3/8	3/8	13/16
3/32	C2½-SQ	C2½-SQ-SS	C2½-SQ-316SS	C2½-SQ-NP	3/8	3/8	13/16
1/8	C3-SQ	C3-SQ-SS	C3-SQ-316SS	C3-SQ-NP	3/8	3/8	1.00
5/32 / 4mm	C3½-SQ	C3½-SQ-SS	C3½-SQ-316SS	C3½-SQ-NP	½	½	1.00
.170	C4-SQ	C4-SQ-SS	C4-SQ-316SS	C4-SQ-NP	½	½	1.00
3/16	C5-SQ	C5-SQ-SS	C5-SQ-316SS	C5-SQ-NP	.550	.550	1.300
7/32	C5½-SQ	C5½-SQ-SS	C5½-SQ-316SS	C5½-SQ-NP	.550	.550	1.300
6mm	C5¾-SQ	C5¾-SQ-SS	C5¾-SQ-316SS	C5¾-SQ-NP	.550	.550	1.550
3/8	C6-SQ	C6-SQ-SS	C6-SQ-316SS	C6-SQ-NP	.550	.550	1.550

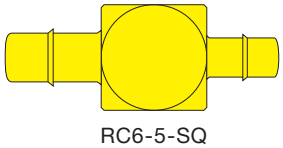


C3-SQ C2½-SQ C2-SQ C1-SQ C.045-SQ

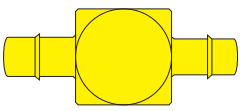
Tube to Tube Square Sided Reducing Couplings 953







RC6-5-SQ



RC5-4-SQ

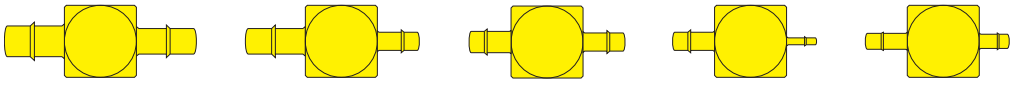
Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Ref.	C Ref.	D Ref.
1/32	.031	3/8	3/8	11/16	11/16
.040 / 1mm	.040	3/8	3/8	11/16	11/16
3/64	.045	3/8	3/8	11/16	11/16
.050	.050	3/8	3/8	11/16	11/16
1/16	1	3/8	3/8	13/16	13/16
5/64 / 2mm	2	3/8	3/8	13/16	13/16
3/32	2½	3/8	3/8	13/16	13/16

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Ref.	C Ref.	D Ref.
1/8	3	3/8	3/8	1.00	1.00
5/32 / 4mm	3½	½	½	1.00	1.00
.170	4	½	½	1.00	1.00
3/16	5	.550	.550	1.300	1.300
7/32	5½	.550	.550	1.300	1.300
6mm	5¾	.550	.550	1.550	1.550
1/4	6	.550	.550	1.550	1.550

Part Numbers for Square Sided Tube to Tube Reducing Couplings:

Fitting Series → **RC** **#** - **#** - **SQ** ← Square Body Indicator

↑ Larger Branch # **#** ↑ Smaller Branch



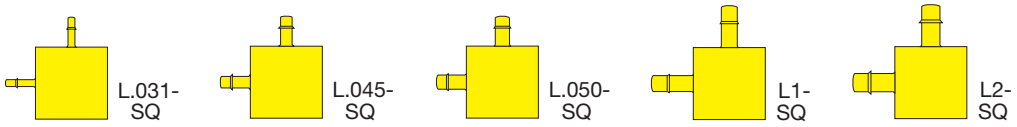
RC3½-3-SQ RC3-2-SQ RC2½-2-SQ RC2-.031-SQ RC1-.050-SQ

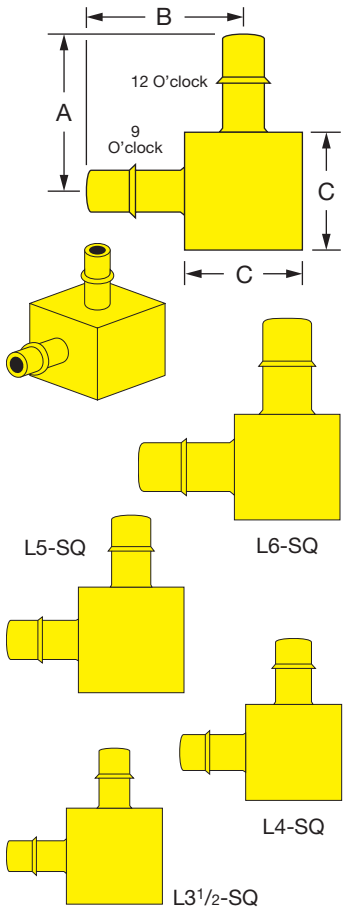
Unless otherwise specified, parts will be Brass. For other materials, add these codes to the part number:
-SS = Stainless Steel 303 **-316SS** = Stainless Steel 316 **-NP** = Electroless Nickel Plate

Note: *Images are for visual representation only; not intended for dimensional measurements.*

954 Tube to Tube Square Sided Elbows

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Ref.	C Ref.
1/32	L.031-SQ	L.031-SQ-SS	L.031-SQ-316SS	L.031-SQ-NP	11/32	11/32	3/8
.040 / 1mm	L.040-SQ	L.040-SQ-SS	L.040-SQ-316SS	L.040-SQ-NP	11/32	11/32	3/8
3/64	L.045-SQ	L.045-SQ-SS	L.045-SQ-316SS	L.045-SQ-NP	11/32	11/32	3/8
.050	L.050-SQ	L.050-SQ-SS	L.050-SQ-316SS	L.050-SQ-NP	11/32	11/32	3/8
1/16	L1-SQ	L1-SQ-SS	L1-SQ-316SS	L1-SQ-NP	13/32	13/32	3/8
5/64 / 2mm	L2-SQ	L2-SQ-SS	L2-SQ-316SS	L2-SQ-NP	13/32	13/32	3/8
3/32	L2 1/2-SQ	L2 1/2-SQ-SS	L2 1/2-SQ-316SS	L2 1/2-SQ-NP	13/32	13/32	3/8
1/8	L3-SQ	L3-SQ-SS	L3-SQ-316SS	L3-SQ-NP	1/2	1/2	3/8
5/32 / 4mm	L3 1/2-SQ	L3 1/2-SQ-SS	L3 1/2-SQ-316SS	L3 1/2-SQ-NP	9/16	9/16	1/2
.170	L4-SQ	L4-SQ-SS	L4-SQ-316SS	L4-SQ-NP	9/16	9/16	1/2
3/16	L5-SQ	L5-SQ-SS	L5-SQ-316SS	L5-SQ-NP	.650	.650	.550
7/32	L5 1/2-SQ	L5 1/2-SQ-SS	L5 1/2-SQ-316SS	L5 1/2-SQ-NP	.650	.650	.550
6mm	L5 3/4-SQ	L5 3/4-SQ-SS	L5 3/4-SQ-316SS	L5 3/4-SQ-NP	.775	.775	.550
3/8	L6-SQ	L6-SQ-SS	L6-SQ-316SS	L6-SQ-NP	.775	.775	.550





955 Tube to Tube Square Sided Reducing Elbows

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Ref.	C Ref.
1/32	.031	Consult Factory	Consult Factory	Consult Factory
.040 / 1mm	.040			
3/64	.045			
.050	.050			
1/16	1			
5/64 / 2mm	2			
3/32	2 1/2			

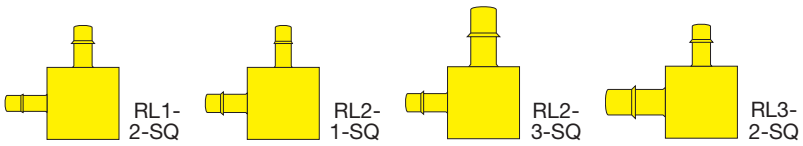
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Ref.	C Ref.
1/8	3	Consult Factory	Consult Factory	Consult Factory
5/32 / 4mm	3 1/2			
.170	4			
3/16	5			
7/32	5 1/2			
6mm	5 3/4			
1/4	6			

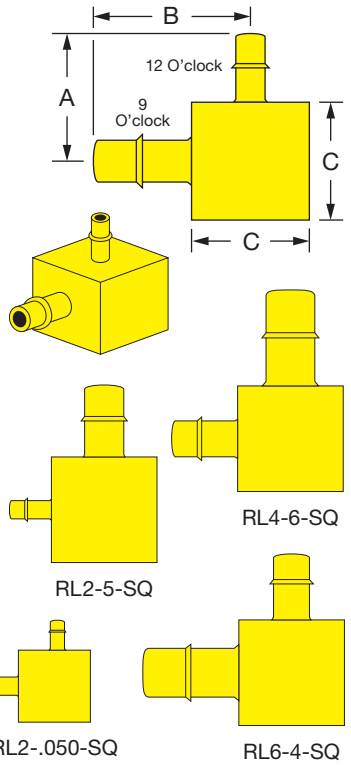
Part Numbers for Square Sided Tube to Tube Reducing Couplings:

Fitting Series → **RL** **#** - **#** - **SQ** ← Square Body Indicator

← 9 O'clock Branch # ; **#** ← 12 O'clock Branch

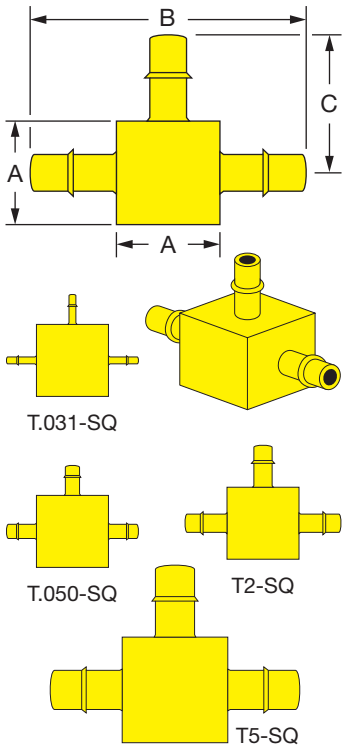
Material options are listed on next page!





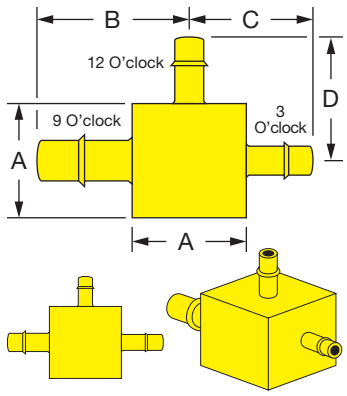
P2

Tube to Tube Square Sided Tees 956



Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Ref.	C Ref.
1/32	T.031-SQ	T.031-SQ-SS	T.031-SQ-316SS	T.031-SQ-NP	3/8	11/16	11/32
.040 / 1mm	T.040-SQ	T.040-SQ-SS	T.040-SQ-316SS	T.040-SQ-NP	3/8	11/16	11/32
3/64	T.045-SQ	T.045-SQ-SS	T.045-SQ-316SS	T.045-SQ-NP	3/8	11/16	11/32
.050	T.050-SQ	T.050-SQ-SS	T.050-SQ-316SS	T.050-SQ-NP	3/8	11/16	11/32
1/16	T1-SQ	T1-SQ-SS	T1-SQ-316SS	T1-SQ-NP	3/8	13/16	13/32
5/64 / 2mm	T2-SQ	T2-SQ-SS	T2-SQ-316SS	T2-SQ-NP	3/8	13/16	13/32
3/32	T2 1/2-SQ	T2 1/2-SQ-SS	T2 1/2-SQ-316SS	T2 1/2-SQ-NP	3/8	13/16	13/32
1/8	T3-SQ	T3-SQ-SS	T3-SQ-316SS	T3-SQ-NP	3/8	1.00	1/2
5/32 / 4mm	T3 1/2-SQ	T3 1/2-SQ-SS	T3 1/2-SQ-316SS	T3 1/2-SQ-NP	1/2	1 1/8	9/16
.170	T4-SQ	T4-SQ-SS	T4-SQ-316SS	T4-SQ-NP	1/2	1 1/8	9/16
3/16	T5-SQ	T5-SQ-SS	T5-SQ-316SS	T5-SQ-NP	.550	1.30	.650
7/32	T5 1/2-SQ	T5 1/2-SQ-SS	T5 1/2-SQ-316SS	T5 1/2-SQ-NP	.550	1.30	.650
6mm	T5 3/4-SQ	T5 3/4-SQ-SS	T5 3/4-SQ-316SS	T5 3/4-SQ-NP	.550	1.55	.775
3/8	T6-SQ	T6-SQ-SS	T6-SQ-316SS	T6-SQ-NP	.550	1.55	.775

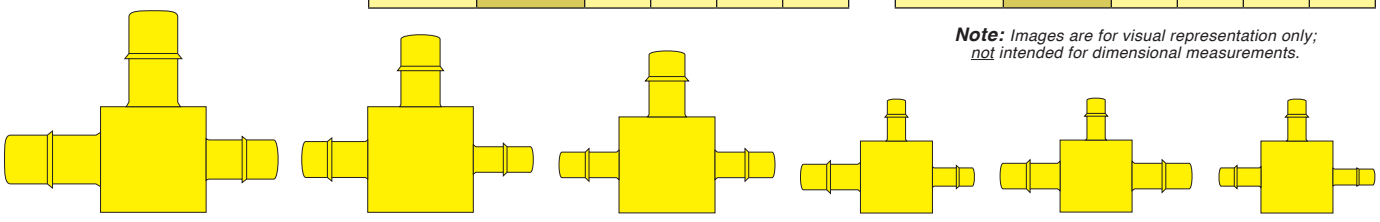
Tube to Tube Square Sided Reducing Tees 957



Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Ref.	C Ref.	D Ref.
1/32	.031	Consult Factory			
.040 / 1mm	.040	Consult Factory			
3/64	.045	Consult Factory			
.050	.050	Consult Factory			
1/16	1	Consult Factory			
5/64 / 2mm	2	Consult Factory			
3/32	2 1/2	Consult Factory			

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Ref.	C Ref.	D Ref.
1/8	3	Consult Factory			
5/32 / 4mm	3 1/2	Consult Factory			
.170	4	Consult Factory			
3/16	5	Consult Factory			
7/32	5 1/2	Consult Factory			
6mm	5 3/4	Consult Factory			
1/4	6	Consult Factory			

Note: *Images are for visual representation only; not intended for dimensional measurements.*



Part Numbers for Square Sided Tube to Tube Reducing Tees:

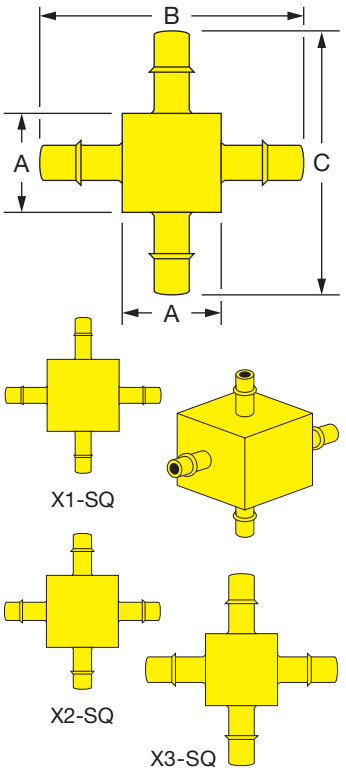
Fitting Series → **RT** — **#** (9 O'clock Branch #) - **#** (12 O'clock Branch #) - **#** (3 O'clock Branch #) — **SQ** ← Square Body Indicator

Unless otherwise specified, parts will be Brass. To order other materials, please add the following codes to the part number:

-SS = Stainless Steel 303 **-316SS** = Stainless Steel 316 **-NP** = Electroless Nickel Plate

958 Tube to Tube Square Sided Crosses

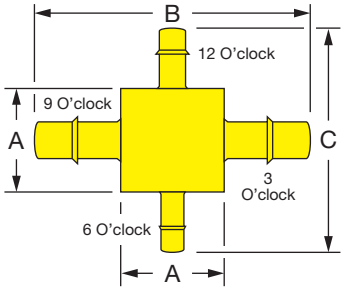
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Ref.	C Ref.
1/32	X.031-SQ	X.031-SQ-SS	X.031-SQ-316SS	X.031-SQ-NP	3/8	11/16	11/16
.040 / 1mm	X.040-SQ	X.040-SQ-SS	X.040-SQ-316SS	X.040-SQ-NP	3/8	11/16	11/16
3/64	X.045-SQ	X.045-SQ-SS	X.045-SQ-316SS	X.045-SQ-NP	3/8	11/16	11/16
.050	X.050-SQ	X.050-SQ-SS	X.050-SQ-316SS	X.050-SQ-NP	3/8	11/16	11/16
1/16	X1-SQ	X1-SQ-SS	X1-SQ-316SS	X1-SQ-NP	3/8	13/16	13/16
5/64 / 2mm	X2-SQ	X2-SQ-SS	X2-SQ-316SS	X2-SQ-NP	3/8	13/16	13/16
3/32	X2 1/2-SQ	X2 1/2-SQ-SS	X2 1/2-SQ-316SS	X2 1/2-SQ-NP	3/8	13/16	13/16
1/8	X3-SQ	X3-SQ-SS	X3-SQ-316SS	X3-SQ-NP	3/8	1.00	1.00
5/32 / 4mm	X3 1/2-SQ	X3 1/2-SQ-SS	X3 1/2-SQ-316SS	X3 1/2-SQ-NP	1/2	1 1/8	1 1/8
.170	X4-SQ	X4-SQ-SS	X4-SQ-316SS	X4-SQ-NP	1/2	1 1/8	1 1/8
3/16	X5-SQ	X5-SQ-SS	X5-SQ-316SS	X5-SQ-NP	.550	1.30	1.30
7/32	X5 1/2-SQ	X5 1/2-SQ-SS	X5 1/2-SQ-316SS	X5 1/2-SQ-NP	.550	1.30	1.30
6mm	X5 3/4-SQ	X5 3/4-SQ-SS	X5 3/4-SQ-316SS	X5 3/4-SQ-NP	.550	1.55	1.55
3/8	X6-SQ	X6-SQ-SS	X6-SQ-316SS	X6-SQ-NP	.550	1.55	1.55

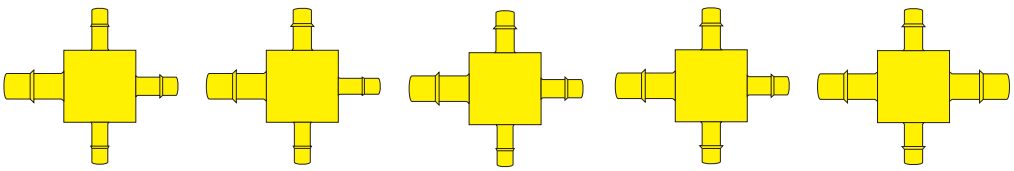


959 Tube to Tube Square Sided Reducing Crosses

Tube ID	Branches: Branch Number	Dimensions (Reference): A Ref.	B Ref.	C Ref.
1/32	.031	Consult Factory		
.040 / 1mm	.040	Consult Factory		
3/64	.045	Consult Factory		
.050	.050	Consult Factory		
1/16	1	Consult Factory		
5/64 / 2mm	2	Consult Factory		
3/32	2 1/2	Consult Factory		

Tube ID	Branches: Branch Number	Dimensions (Reference): A Ref.	B Ref.	C Ref.
1/8	3	Consult Factory		
5/32 / 4mm	3 1/2	Consult Factory		
.170	4	Consult Factory		
3/16	5	Consult Factory		
7/32	5 1/2	Consult Factory		
6mm	5 3/4	Consult Factory		
1/4	6	Consult Factory		

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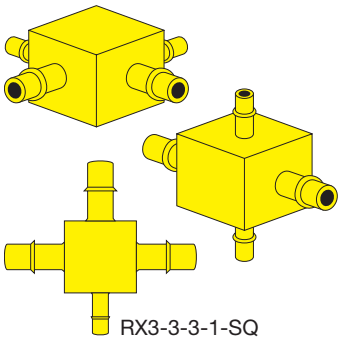

RX3-3-3-1-SQ

Part Numbers for Square Sided Tube to Tube Reducing Crosses:

Fitting Series → **RX** **#** - **#** - **#** - **#** - **SQ** ← Square Body Indicator

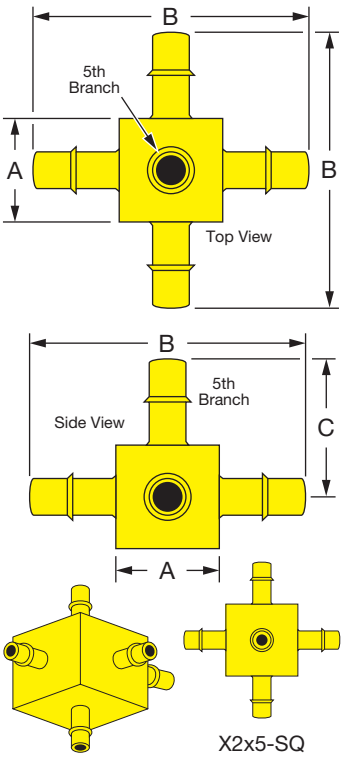
= 9 O'clock Branch - 12 O'clock Branch - 3 O'clock Branch - 6 O'clock Branch

Unless otherwise specified, parts will be Brass. To order other materials, please add the following codes to the part number:

-SS = Stainless Steel 303 **-316SS** = Stainless Steel 316 **-NP** = Electroless Nickel Plate

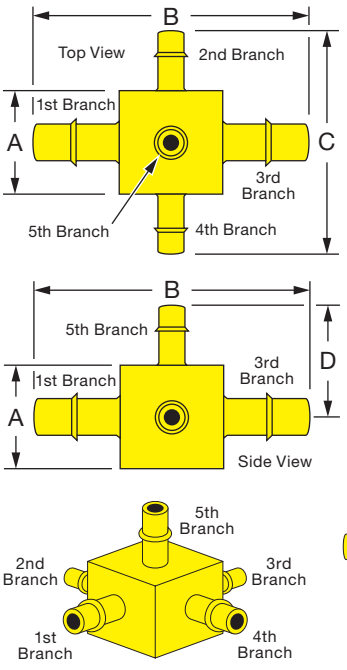
P2

Tube to Tube Square Sided Five Branch Crosses 960



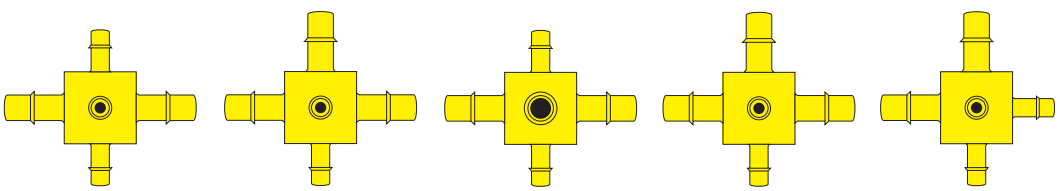
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Ref.	C Ref.
1/32	X.031x5-SQ	X.031x5-SQ-SS	X.031x5-SQ-316SS	X.031x5-SQ-NP	3/8	11/16	11/32
.040 / 1mm	X.040x5-SQ	X.040x5-SQ-SS	X.040x5-SQ-316SS	X.040x5-SQ-NP	3/8	11/16	11/32
3/64	X.045x5-SQ	X.045x5-SQ-SS	X.045x5-SQ-316SS	X.045x5-SQ-NP	3/8	11/16	11/32
.050	X.050x5-SQ	X.050x5-SQ-SS	X.050x5-SQ-316SS	X.050x5-SQ-NP	3/8	11/16	11/32
1/16	X1x5-SQ	X1x5-SQ-SS	X1x5-SQ-316SS	X1x5-SQ-NP	3/8	13/16	13/32
5/64 / 2mm	X2x5-SQ	X2x5-SQ-SS	X2x5-SQ-316SS	X2x5-SQ-NP	3/8	13/16	13/32
3/32	X2 1/2x5-SQ	X2 1/2x5-SQ-SS	X2 1/2x5-SQ-316SS	X2 1/2x5-SQ-NP	3/8	13/16	13/32
1/8	X3x5-SQ	X3x5-SQ-SS	X3x5-SQ-316SS	X3x5-SQ-NP	3/8	1.00	1/2
5/32 / 4mm	X3 1/2x5-SQ	X3 1/2x5-SQ-SS	X3 1/2x5-SQ-316SS	X3 1/2x5-SQ-NP	1/2	1 1/8	9/16
.170	X4x5-SQ	X4x5-SQ-SS	X4x5-SQ-316SS	X4x5-SQ-NP	1/2	1 1/8	9/16
3/16	X5x5-SQ	X5x5-SQ-SS	X5x5-SQ-316SS	X5x5-SQ-NP	.550	1.30	.650
7/32	X5 1/2x5-SQ	X5 1/2x5-SQ-SS	X5 1/2x5-SQ-316SS	X5 1/2x5-SQ-NP	.550	1.30	.650
6mm	X5 3/4x5-SQ	X5 3/4x5-SQ-SS	X5 3/4x5-SQ-316SS	X5 3/4x5-SQ-NP	.550	1.55	.775
3/8	X6x5-SQ	X6x5-SQ-SS	X6x5-SQ-316SS	X6x5-SQ-NP	.550	1.55	.775

Tube to Tube Square Sided Five Branch Crosses 961



Tube ID	Branches Branch Number	Dimensions (Reference) A Ref.	B Ref.	C Ref.	D Ref.
1/32	.031	Consult Factory			
.040 / 1mm	.040	Consult Factory			
3/64	.045	Consult Factory			
.050	.050	Consult Factory			
1/16	1	Consult Factory			
5/64 / 2mm	2	Consult Factory			
3/32	2 1/2	Consult Factory			

Tube ID	Branches Branch Number	Dimensions (Reference) A Ref.	B Ref.	C Ref.	D Ref.
1/8	3	Consult Factory			
5/32 / 4mm	3 1/2	Consult Factory			
.170	4	Consult Factory			
3/16	5	Consult Factory			
7/32	5 1/2	Consult Factory			
6mm	5 3/4	Consult Factory			
1/4	6	Consult Factory			



RX3-2-3-2-2-SQ RX3-3-3-2-2-SQ RX3-2-3-2-3-SQ RX3-3-3-2-2-SQ RX3-3-2-2-2-SQ

Part Numbers for Square Sided Tube to Tube Reducing Crosses:

Fitting Series → RX # - # - # - # - # - SQ ← Square Body Indicator

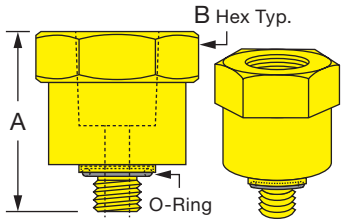
1st Branch, # 2nd Branch, # 3rd Branch, # 4th Branch, # 5th Branch

Unless otherwise specified, parts will be Brass. To order other materials, please add the following codes to the part number:

-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

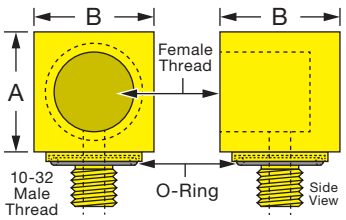
962 10-32 Male Threaded Solenoid Valve Straight Adapters with Captive O-Ring

Female Thread	Part Numbers					Dimensions (Reference)	
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.
1/8	10-32x1/8F-O-SH	10-32x1/8F-O-SH-SS	10-32x1/8F-O-SH-316SS	10-32x1/8F-O-SH-AL	10-32x1/8F-O-SH-NP	23/32	9/16
1/4	10-32x1/4F-O-SH	10-32x1/4F-O-SH-SS	10-32x1/4F-O-SH-316SS	10-32x1/4F-O-SH-AL	10-32x1/4F-O-SH-NP	1/2	5/8



963 10-32 Male Threaded Solenoid Valve 90° Elbow Adapters with Captive O-Ring

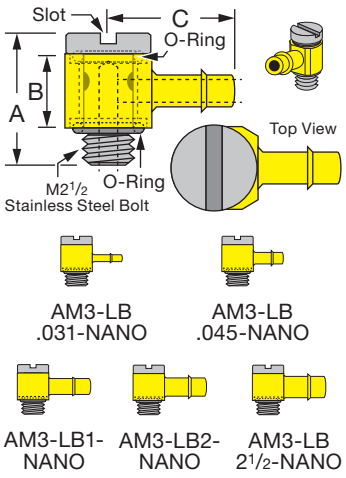
Female Thread	Part Numbers					Dimensions (Reference)	
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Ref.
1/8	10-32x 1/8FL-O	10-32x1/8FL-O-SS	10-32x1/8FL-O-316SS	10-32x1/8FL-O-AL	10-32x1/8FL-O-NP	1/2	1/2
1/4	10-32x 1/4FL-O	10-32x1/4FL-O-SS	10-32x1/4FL-O-316SS	10-32x1/4FL-O-AL	10-32x1/4FL-O-NP	5/8	5/8



964 M3 Threaded Nano Adjustable Elbow with Rounded Body & Stainless Steel Bolt

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Ref.	C Ref.
1/50*	AM3-LB.025-NANO	AM3-LB.025-NANO-SS	AM3-LB.025-NANO-316SS	AM3-LB.025-NANO-NP	.256	.140	.238
1/32	AM3-LB.031-NANO	AM3-LB.031-NANO-SS	AM3-LB.031-NANO-316SS	AM3-LB.031-NANO-NP	.256	.140	.238
.040 / 1mm	AM3-LB.040-NANO	AM3-LB.040-NANO-SS	AM3-LB.040-NANO-316SS	AM3-LB.040-NANO-NP	.256	.140	.238
3/64	AM3-LB.045-NANO	AM3-LB.045-NANO-SS	AM3-LB.045-NANO-316SS	AM3-LB.045-NANO-NP	.256	.140	.238
.050	AM3-LB.050-NANO	AM3-LB.050-NANO-SS	AM3-LB.050-NANO-316SS	AM3-LB.050-NANO-NP	.256	.140	.238
1/16	AM3-LB1-NANO	AM3-LB1-NANO-SS	AM3-LB1-NANO-316SS	AM3-LB1-NANO-NP	.256	.140	.300
5/64 / 2mm	AM3-LB2-NANO	AM3-LB2-NANO-SS	AM3-LB2-NANO-316SS	AM3-LB2-NANO-NP	.256	.140	.300
3/32	AM3-LB2 1/2-NANO	AM3-LB2 1/2-NANO-SS	AM3-LB2 1/2-NANO-316SS	AM3-LB2 1/2-NANO-NP	.256	.140	.300

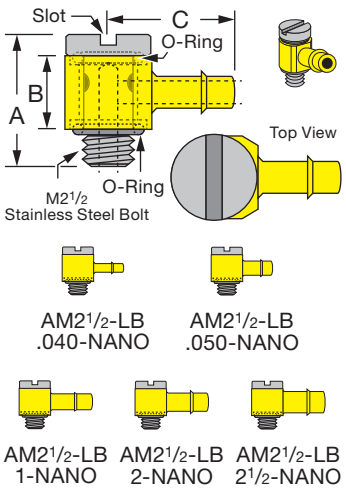
.025 branch (1/50" tube ID) by special request only!



O-Ring options on page 65!

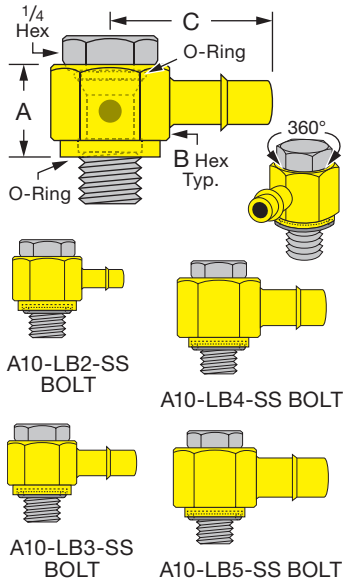
965 M2 1/2 Threaded Nano Adjustable Elbow with Rounded Body & Stainless Steel Bolt

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Ref.	C Ref.
1/50*	AM2 1/2-LB.025-NANO	AM2 1/2-LB.025-NANO-SS	AM2 1/2-LB.025-NANO-316SS	AM2 1/2-LB.025-NANO-NP	1/4	.140	.238
1/32	AM2 1/2-LB.031-NANO	AM2 1/2-LB.031-NANO-SS	AM2 1/2-LB.031-NANO-316SS	AM2 1/2-LB.031-NANO-NP	1/4	.140	.238
.040 / 1mm	AM2 1/2-LB.040-NANO	AM2 1/2-LB.040-NANO-SS	AM2 1/2-LB.040-NANO-316SS	AM2 1/2-LB.040-NANO-NP	1/4	.140	.238
3/64	AM2 1/2-LB.045-NANO	AM2 1/2-LB.045-NANO-SS	AM2 1/2-LB.045-NANO-316SS	AM2 1/2-LB.045-NANO-NP	1/4	.140	.238
.050	AM2 1/2-LB.050-NANO	AM2 1/2-LB.050-NANO-SS	AM2 1/2-LB.050-NANO-316SS	AM2 1/2-LB.050-NANO-NP	1/4	.140	.238
1/16	AM2 1/2-LB1-NANO	AM2 1/2-LB1-NANO-SS	AM2 1/2-LB1-NANO-316SS	AM2 1/2-LB1-NANO-NP	1/4	.140	.300
5/64 / 2mm	AM2 1/2-LB2-NANO	AM2 1/2-LB2-NANO-SS	AM2 1/2-LB2-NANO-316SS	AM2 1/2-LB2-NANO-NP	1/4	.140	.300
3/32	AM2 1/2-LB2 1/2-NANO	AM2 1/2-LB2 1/2-NANO-SS	AM2 1/2-LB2 1/2-NANO-316SS	AM2 1/2-LB2 1/2-NANO-NP	1/4	.140	.300



R2

10-32 Thread to Tube Adjustable Elbows with 303 Stainless Steel Bolts 966

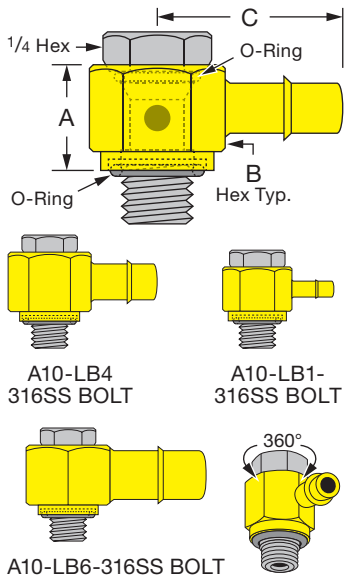


Tube ID	Part Numbers			Dimensions (Reference)		
	Brass	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	A10-LB1-SS BOLT	A10-LB1-AL-SS BOLT	A10-LB1-NP-SS BOLT	33/64	5/16	25/64
5/64 / 2mm	A10-LB2-SS BOLT	A10-LB2-AL-SS BOLT	A10-LB2-NP-SS BOLT	33/64	5/16	25/64
3/32	A10-LB2 1/2-SS BOLT	A10-LB2 1/2-AL-SS BOLT	A10-LB2 1/2-NP-SS BOLT	33/64	5/16	25/64
1/8	A10-LB3-SS BOLT	A10-LB3-AL-SS BOLT	A10-LB3-NP-SS BOLT	33/64	5/16	31/64
5/32 / 4mm	A10-LB3 1/2-SS BOLT	A10-LB3 1/2-AL-SS BOLT	A10-LB3 1/2-NP-SS BOLT	33/64	5/16	31/64
.170	A10-LB4-SS BOLT	A10-LB4-AL-SS BOLT	A10-LB4-NP-SS BOLT	19/32	3/8	17/32
3/16	A10-LB5-SS BOLT	A10-LB5-AL-SS BOLT	A10-LB5-NP-SS BOLT	19/32	3/8	9/16
7/32	A10-LB5 1/2-SS BOLT	A10-LB5 1/2-AL-SS BOLT	A10-LB5 1/2-NP-SS BOLT	*Consult Factory*		
6mm	A10-LB5 3/4-SS BOLT	A10-LB5 3/4-AL-SS BOLT	A10-LB5 3/4-NP-SS BOLT	19/32	7/16	23/32
1/4	A10-LB6-SS BOLT	A10-LB6-AL-SS BOLT	A10-LB6-NP-SS BOLT	19/32	7/16	23/32

Supplied with Buna-N O-Rings! Other options listed on page 65!

Slotted Stainless Steel Bolts available! Consult factory for details!

10-32 Thread to Tube Adjustable Elbows with 316 Stainless Steel Bolts 967



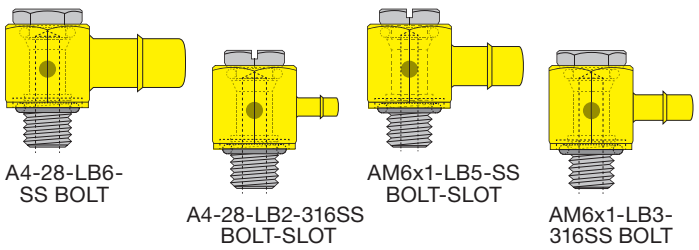
Tube ID	Part Numbers			Dimensions (Reference)		
	Brass	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	A10-LB1-316SS BOLT	A10-LB1-AL-316SS BOLT	A10-LB1-NP-316SS BOLT	33/64	5/16	25/64
5/64 / 2mm	A10-LB2-316SS BOLT	A10-LB2-AL-316SS BOLT	A10-LB2-NP-316SS BOLT	33/64	5/16	25/64
3/32	A10-LB2 1/2-316SS BOLT	A10-LB2 1/2-AL-316SS BOLT	A10-LB2 1/2-NP-316SS BOLT	33/64	5/16	25/64
1/8	A10-LB3-316SS BOLT	A10-LB3-AL-316SS BOLT	A10-LB3-NP-316SS BOLT	33/64	5/16	31/64
5/32 / 4mm	A10-LB3 1/2-316SS BOLT	A10-LB3 1/2-AL-316SS BOLT	A10-LB3 1/2-NP-316SS BOLT	33/64	5/16	31/64
.170	A10-LB4-316SS BOLT	A10-LB4-AL-316SS BOLT	A10-LB4-NP-316SS BOLT	19/32	3/8	17/32
3/16	A10-LB5-316SS BOLT	A10-LB5-AL-316SS BOLT	A10-LB5-NP-316SS BOLT	19/32	3/8	9/16
7/32	A10-LB5 1/2-316SS BOLT	A10-LB5 1/2-AL-316SS BOLT	A10-LB5 1/2-NP-316SS BOLT	*Consult Factory*		
6mm	A10-LB5 3/4-316SS BOLT	A10-LB5 3/4-AL-316SS BOLT	A10-LB5 3/4-NP-316SS BOLT	19/32	7/16	23/32
1/4	A10-LB6-316SS BOLT	A10-LB6-AL-316SS BOLT	A10-LB6-NP-316SS BOLT	19/32	7/16	23/32

Anodized Aluminum available! See page 488 for options!

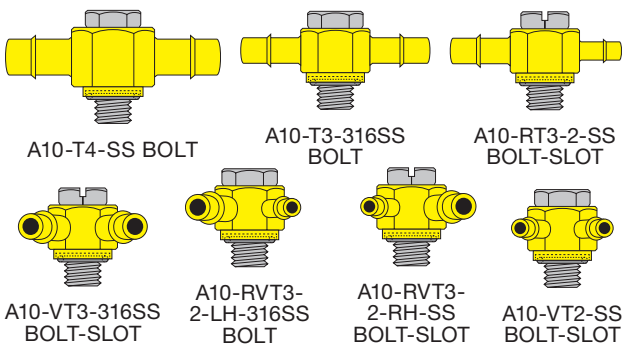
Adjustable 45° Elbows available!

Lead times & minimum quantities apply! Consult factory for details!

1/4-28 (4-28) & M6x1 Threaded Adjustable Fittings available!

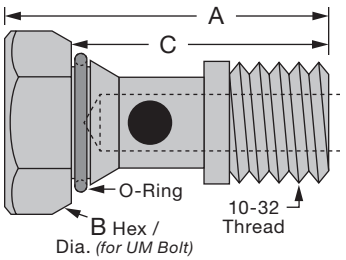


Adjustable Tees & V-Tees with Steel Bolts available!

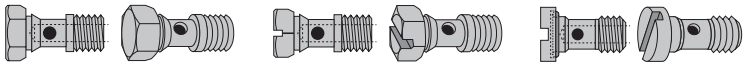


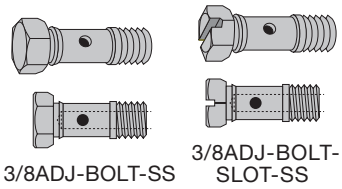
968 10-32 Threaded Stainless Steel Bolts for Mini & Ultra Mini Adjustable Fittings

Fitting Body Size	Bolt Type	Part Numbers		Dimensions (Reference)		
		Stainless Steel 303	Stainless Steel 316	A Ref.	B Typ.	C Ref.
5/16	Standard	5/16ADJ-BOLT-SS	5/16ADJ-BOLT-316SS	33/64	1/4	13/32
5/16	Slotted	5/16ADJ-BOLT-SLOT-SS	5/16ADJ-BOLT-SLOT-316SS	33/64	1/4	13/32
3/8	Standard	3/8ADJ-BOLT-SS	3/8ADJ-BOLT-316SS	19/32	1/4	31/64
3/8	Slotted	3/8ADJ-BOLT-SLOT-SS	3/8ADJ-BOLT-SLOT-316SS	19/32	1/4	31/64
Ultra-Mini	Slotted	UM-BOLT-SS	UM-BOLT-316SS	7/16	9/32	23/64



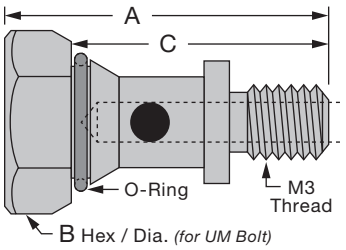
See pages 80-102 for 10-32 Adjustable Fitting options!



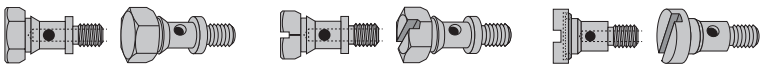


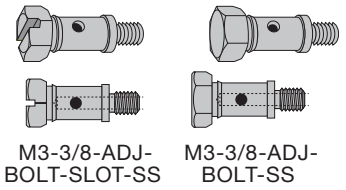
969 M3 Threaded Stainless Steel Bolts for Mini & Ultra Mini Adjustable Fittings

Fitting Body Size	Bolt Type	Part Numbers		Dimensions (Reference)		
		Stainless Steel 303	Stainless Steel 316	A Ref.	B Typ.	C Ref.
5/16	Standard	M3-5/16ADJ-BOLT-SS	M3-5/16ADJ-BOLT-316SS	33/64	1/4	13/32
5/16	Slotted	M3-5/16ADJ-BOLT-SLOT-SS	M3-5/16ADJ-BOLT-SLOT-316SS	33/64	1/4	13/32
3/8	Standard	M3-3/8ADJ-BOLT-SS	M3-3/8ADJ-BOLT-316SS	19/32	1/4	31/64
3/8	Slotted	M3-3/8ADJ-BOLT-SLOT-SS	M3-3/8ADJ-BOLT-SLOT-316SS	19/32	1/4	31/64
Ultra-Mini	Slotted	M3-UM-BOLT-SS	M3-UM-BOLT-316SS	7/16	9/32	23/64



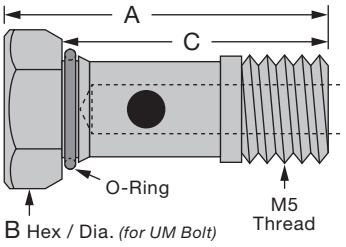
See pages 472 & 474 for M3 Adjustable Fittings!



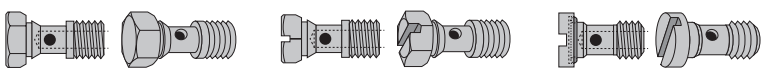


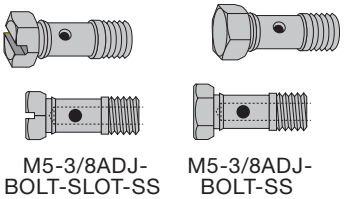
970 M5 Threaded Stainless Steel Bolts for Mini & Ultra Mini Adjustable Fittings

Fitting Body Size	Bolt Type	Part Numbers		Dimensions (Reference)		
		Stainless Steel 303	Stainless Steel 316	A Ref.	B Typ.	C Ref.
5/16	Standard	M5-5/16ADJ-BOLT-SS	M5-5/16ADJ-BOLT-316SS	33/64	1/4	13/32
5/16	Slotted	M5-5/16ADJ-BOLT-SLOT-SS	M5-5/16ADJ-BOLT-SLOT-316SS	33/64	1/4	13/32
3/8	Standard	M5-3/8ADJ-BOLT-SS	M5-3/8ADJ-BOLT-316SS	19/32	1/4	31/64
3/8	Slotted	M5-3/8ADJ-BOLT-SLOT-SS	M5-3/8ADJ-BOLT-SLOT-316SS	19/32	1/4	31/64
Ultra-Mini	Slotted	M5-UM-BOLT-SS	M5-UM-BOLT-316SS	7/16	9/32	23/64

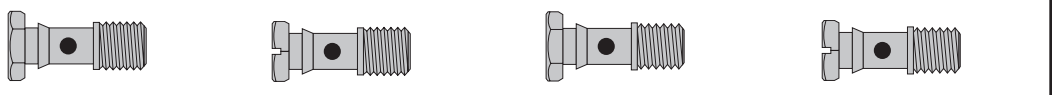


See pages 473 & 475 for M5 Adjustable Fittings!





Stainless Steel 1/4-28 (4-28) and M6x1 threaded bolts available! Consult factory for details!

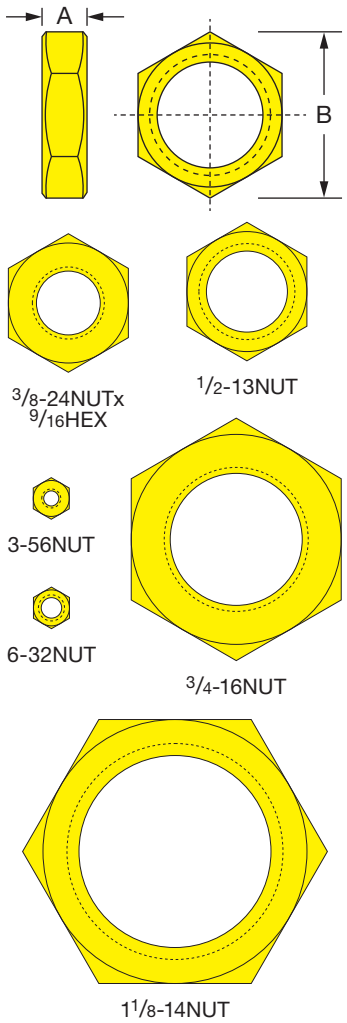


Supplied with Buna-N O-Rings! Other material options on page 65!

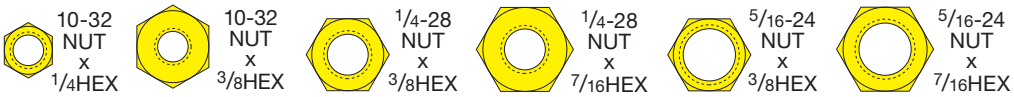
Lead times & minimum quantities may apply!

S2

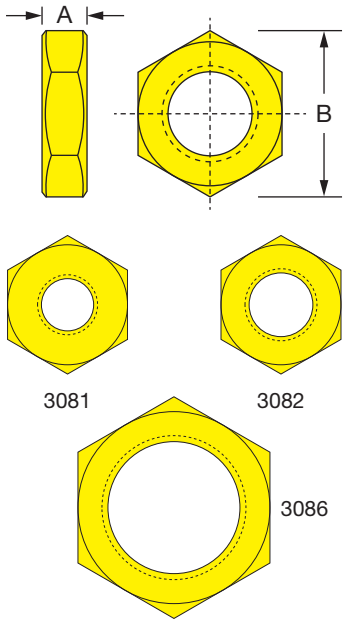
Nuts 971



Thread	Part Numbers					Dimensions (Reference)	
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.
3-56	3-56NUT	3-56NUT-SS	3-56NUT-316SS	3-56NUT-AL	3-56NUT-NP	.074	3/16
6-32	6-32NUT	6-32NUT-SS	6-32NUT-316SS	6-32NUT-AL	6-32NUT-NP	1/16	3/16
10-32	10-32NUTx 1/4HEX	10-32NUTx 1/4HEX-SS	10-32NUTx 1/4HEX-316SS	10-32NUTx 1/4HEX-AL	10-32NUTx 1/4HEX-NP	3/32	1/4
10-32	10-32NUTx 3/8HEX	10-32NUTx 3/8HEX-SS	10-32NUTx 3/8HEX-316SS	10-32NUTx 3/8HEX-AL	10-32NUTx 3/8HEX-NP	1/8	3/8
1/4-28	1/4-28NUTx 3/8HEX	1/4-28NUTx 3/8HEX-SS	1/4-28NUTx 3/8HEX-316SS	1/4-28NUTx 3/8HEX-AL	1/4-28NUTx 3/8HEX-NP	1/8	3/8
1/4-28	1/4-28NUTx 7/16HEX	1/4-28NUTx 7/16HEX-SS	1/4-28NUTx 7/16HEX-316SS	1/4-28NUTx 7/16HEX-AL	1/4-28NUTx 7/16HEX-NP	5/32	7/16
5/16-24	5/16-24NUTx 7/16HEX	5/16-24NUTx 7/16HEX-SS	5/16-24NUTx 7/16HEX-316SS	5/16-24NUTx 7/16HEX-AL	5/16-24NUTx 7/16HEX-NP	1/8	7/16
5/16-24	5/16-24NUTx 3/8HEX	5/16-24NUTx 3/8HEX-SS	5/16-24NUTx 3/8HEX-316SS	5/16-24NUTx 3/8HEX-AL	5/16-24NUTx 3/8HEX-NP	3/16	3/8
15/32-32	15/32-32NUT	15/32-32NUT-SS	15/32-32NUT-316SS	15/32-32NUT-AL	15/32-32NUT-NP	3/32	9/16
3/8-24	3/8-24NUTx 3/8HEX	3/8-24NUTx 3/8HEX-SS	3/8-24NUTx 3/8HEX-316SS	3/8-24NUTx 3/8HEX-AL	3/8-24NUTx 3/8HEX-NP	3/32	1/2
3/8-24	3/8-24NUTx 9/16HEX	3/8-24NUTx 9/16HEX-SS	3/8-24NUTx 9/16HEX-316SS	3/8-24NUTx 9/16HEX-AL	3/8-24NUTx 9/16HEX-NP	1/4	9/16
1/2-13	1/2-13NUT	1/2-13NUT-SS	1/2-13NUT-316SS	1/2-13NUT-AL	1/2-13NUT-NP	1/8	5/8
1/2-20	1/2-20NUT	1/2-20NUT-SS	1/2-20NUT-316SS	1/2-20NUT-AL	1/2-20NUT-NP	5/16	3/4
5/8	5/8NUT	5/8NUT-SS	5/8NUT-316SS	5/8NUT-AL	5/8NUT-NP	3/8	15/16
3/4-16	3/4-16NUT	3/4-16NUT-SS	3/4-16NUT-316SS	3/4-16NUT-AL	3/4-16NUT-NP	7/16	1 3/32
1-14	1-14NUT	1-14NUT-SS	1-14NUT-316SS	1-14NUT-AL	1-14NUT-NP	7/16	1 3/8
1 1/8-14	1 1/8-14NUT	1 1/8-14NUT-SS	1 1/8-14NUT-316SS	1 1/8-14NUT-AL	1 1/8-14NUT-NP	7/16	1 3/8



GT Nuts 972



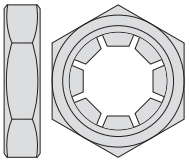
Thread	Part Numbers					Dimensions (Reference)	
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.
5/16-24	3081	3081-SS	3081-316SS	3081-AL	3081-NP	.120	5/8
3/8-24	3082	3082-SS	3082-316SS	3082-AL	3082-NP	1/8	5/8
7/16-20	3083	3083-SS	3083-316SS	3083-AL	3083-NP	1/8	11/16
11/16-24	3083-A	3083-A-SS	3083-A-316SS	3083-A-AL	3083-A-NP	.15	13/16
3/8-24UNF-2B	3084	3084-SS	3084-316SS	3084-AL	3084-NP	1/8	3/4
3/8-24UNF-2B	3084-A	3084-A-SS	3084-A-316SS	3084-A-AL	3084-A-NP	.150	5/8
11/16-24	3084-1	3084-1-SS	3084-1-316SS	3084-1-AL	3084-1-NP	.150	13/16
9/16-18	3085	3085-SS	3085-316SS	3085-AL	3085-NP	1/8	13/16
3/4-16	3086	3086-SS	3086-316SS	3086-AL	3086-NP	1/8	1.00
7/8-14	3087	3087-SS	3087-316SS	3087-AL	3087-NP	3/16	1 1/4
5/16-24	20096	20096-SS	20096-316SS	20096-AL	20096-NP	1/8	7/16

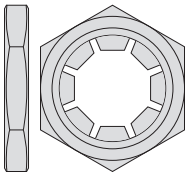
973 Aluminum All-in-One Lockwasher & Nut Combinations

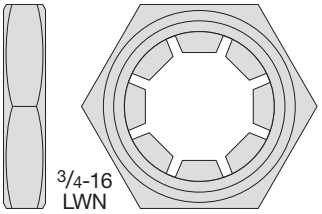
Thread	Part Number Aluminum 6061-T6	Dims. (Ref.) A Ref.	B Typ.
3/8-24	3/8-24LWN	1/8	9/16

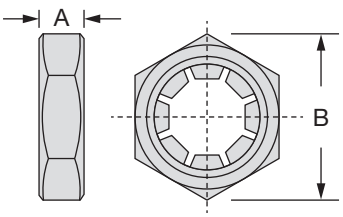
Thread	Part Number Aluminum 6061-T6	Dims. (Ref.) A Ref.	B Typ.
3/8-20	3/8-20LWN	3/16	3/4

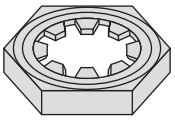
Thread	Part Number Aluminum 6061-T6	Dims. (Ref.) A Ref.	B Typ.
3/4-16	3/4-16LWN	7/32	1 1/16


3/8-24LWN

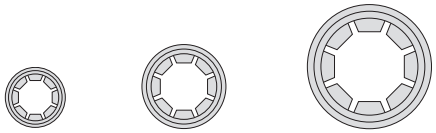

3/8-20LWN







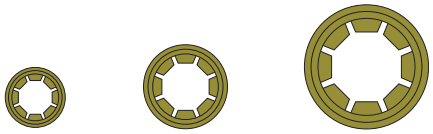
Aluminum Lockwashers available!



Other thread sizes available!

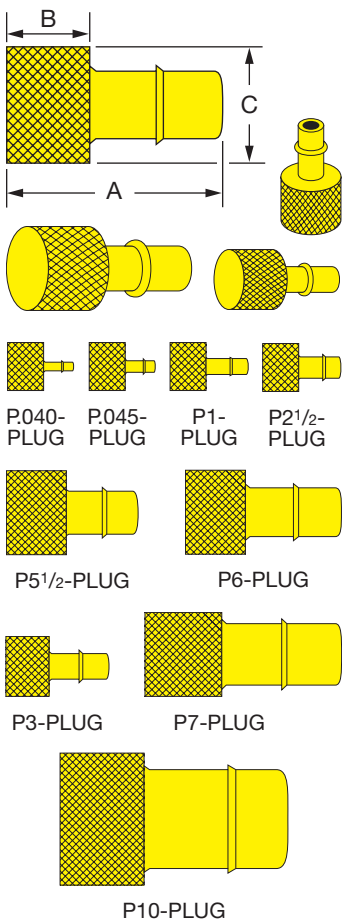
Lead times and minimum quantities may apply! Consult factory for details!

Bronze Lockwashers available!



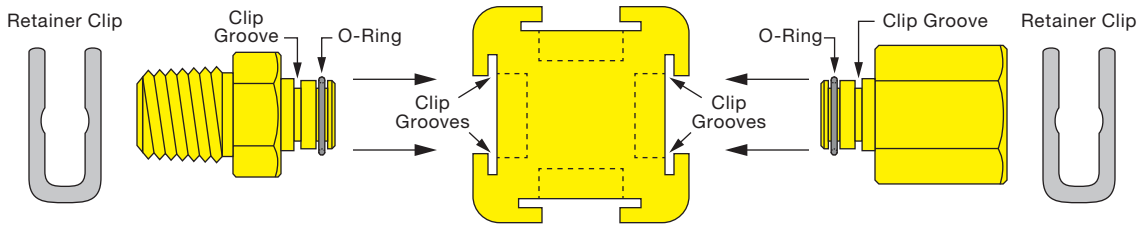
974 Diamond Knurled Tube Plugs

Tube ID	Part Numbers Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	Dimensions (Reference) A Ref.	B Ref.	C Ref.
1/32	P.031-PLUG	P.031-PLUG-SS	P.031-PLUG-316SS	P.031-PLUG-AL	P.031-PLUG-NP	3/8	3/16	1/4
.040 / 1mm	P.040-PLUG	P.040-PLUG-SS	P.040-PLUG-316SS	P.040-PLUG-AL	P.040-PLUG-NP	3/8	3/16	1/4
3/64	P.045-PLUG	P.045-PLUG-SS	P.045-PLUG-316SS	P.045-PLUG-AL	P.045-PLUG-NP	3/8	3/16	1/4
.050	P.050-PLUG	P.050-PLUG-SS	P.050-PLUG-316SS	P.050-PLUG-AL	P.050-PLUG-NP	3/8	3/16	1/4
1/16	P1-PLUG	P1-PLUG-SS	P1-PLUG-316SS	P1-PLUG-AL	P1-PLUG-NP	13/32	3/16	1/4
5/64 / 2mm	P2-PLUG	P2-PLUG-SS	P2-PLUG-316SS	P2-PLUG-AL	P2-PLUG-NP	13/32	3/16	1/4
3/32	P2 1/2-PLUG	P2 1/2-PLUG-SS	P2 1/2-PLUG-316SS	P2 1/2-PLUG-AL	P2 1/2-PLUG-NP	27/64	.200	9/32
1/8	P3-PLUG	P3-PLUG-SS	P3-PLUG-316SS	P3-PLUG-AL	P3-PLUG-NP	17/32	.225	5/16
5/32 / 4mm	P3 1/2-PLUG	P3 1/2-PLUG-SS	P3 1/2-PLUG-316SS	P3 1/2-PLUG-AL	P3 1/2-PLUG-NP	17/32	.225	5/16
.170	P4-PLUG	P4-PLUG-SS	P4-PLUG-316SS	P4-PLUG-AL	P4-PLUG-NP	19/32	1/4	5/16
3/16	P5-PLUG	P5-PLUG-SS	P5-PLUG-316SS	P5-PLUG-AL	P5-PLUG-NP	5/8	1/4	3/8
7/32	P5 1/2-PLUG	P5 1/2-PLUG-SS	P5 1/2-PLUG-316SS	P5 1/2-PLUG-AL	P5 1/2-PLUG-NP	5/8	1/4	3/8
6mm	P5 3/4-PLUG	P5 3/4-PLUG-SS	P5 3/4-PLUG-316SS	P5 3/4-PLUG-AL	P5 3/4-PLUG-NP	13/16	5/16	3/8
1/4	P6-PLUG	P6-PLUG-SS	P6-PLUG-316SS	P6-PLUG-AL	P6-PLUG-NP	13/16	5/16	7/16
5/16 / 8mm	P7-PLUG	P7-PLUG-SS	P7-PLUG-316SS	P7-PLUG-AL	P7-PLUG-NP	1.025	.400	5/8
3/8	P8-PLUG	P8-PLUG-SS	P8-PLUG-316SS	P8-PLUG-AL	P8-PLUG-NP	25/32	1/4	7/16
1/2	P10-PLUG	P10-PLUG-SS	P10-PLUG-316SS	P10-PLUG-AL	P10-PLUG-NP	1 3/16	9/16	19/32
5/8	P11-PLUG	P11-PLUG-SS	P11-PLUG-316SS	P11-PLUG-AL	P11-PLUG-NP	1 13/16	3/4	1.00
3/4	P12-PLUG	P12-PLUG-SS	P12-PLUG-316SS	P12-PLUG-AL	P12-PLUG-NP	1 13/16	3/4	1 1/8

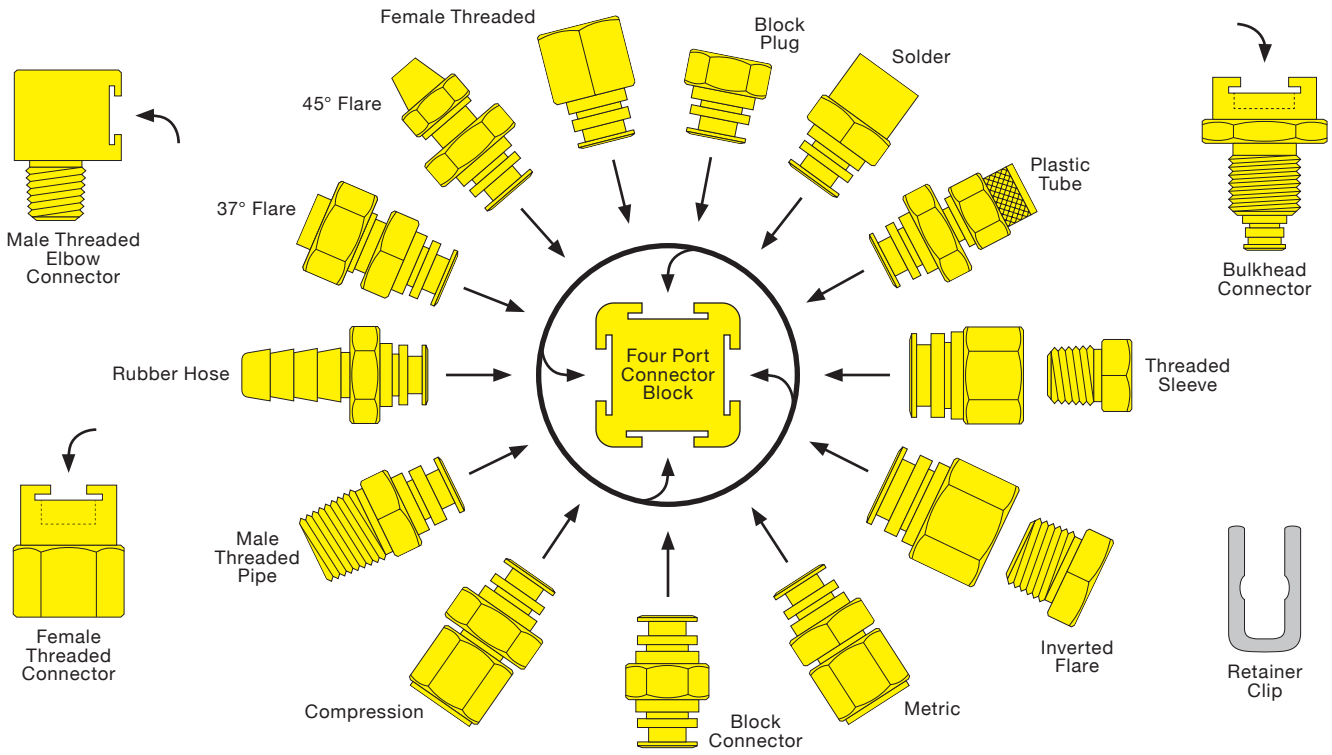


Other Plug options available! Consult factory for details!

Modular Design Concept



To Assemble: Snap desired fitting into ***Connector Block*** hole; Insert the ***Retainer Clip*** into clip groves.



Materials and Pressure Ratings:

Brass (ASTM-B16) .....1500 psi	Stainless Steel (Type 303) .....2000 psi
Electroless Nickel Plate.....1500 psi	Stainless Steel (Type 316).....2500 psi

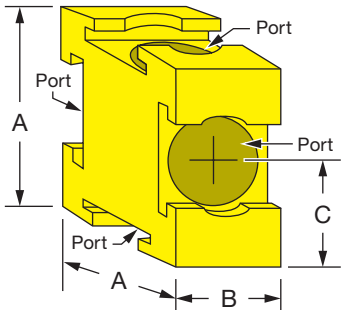
Aluminum (Type 6061-T6)..... 250 psi

Advantages:

- Component assembly and disassembly without tools!
- Can be installed in tight corners & small openings where it would be impossible to install conventional fittings.
- Makes available many thousands of useful fitting configurations are not listed in other commercial catalogs.
- Any fitting configuration assembles in seconds!
- Parts have 360° rotation. They can also be ordered as non-rotating fittings.
- Aluminum parts can be anodized. Minimum quantities & lead times apply.
- 10-32 clip systems are available upon request.

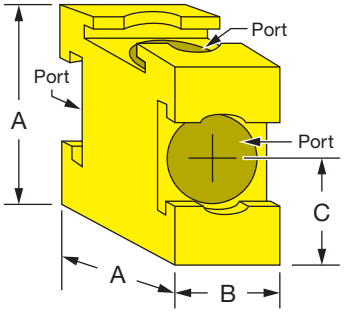
975 Gra-Tec Four Port Connector

Clip System	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Ref.	C Ref.
1/16	1200	1200-SS	1200-316SS	1200-AL	1200-NP	.625	.375	.312
1/8	1201	1201-SS	1201-316SS	1201-AL	1201-NP	.812	.500	.406
1/4	1202	1202-SS	1202-316SS	1202-AL	1202-NP	1.000	.688	.500
3/8	1203	1203-SS	1203-316SS	1203-AL	1203-NP	1.250	.812	.625
1/2	1204	1204-SS	1204-316SS	1204-AL	1204-NP	1.625	1.000	.812



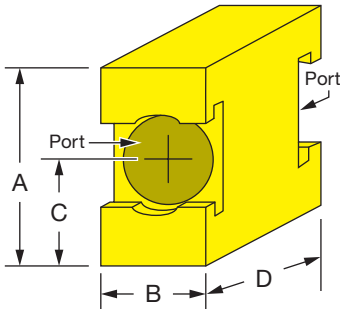
976 Gra-Tec Three Port Tee Connectors

Clip System	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Ref.	C Ref.
1/16	1240	1240-SS	1240-316SS	1240-AL	1240-NP	.625	.375	.312
1/8	1241	1241-SS	1241-316SS	1241-AL	1241-NP	.812	.500	.406
1/4	1242	1242-SS	1242-316SS	1242-AL	1242-NP	1.000	.688	.500
3/8	1243	1243-SS	1243-316SS	1243-AL	1243-NP	1.250	.812	.625
1/2	1244	1244-SS	1244-316SS	1244-AL	1244-NP	1.625	1.000	.812



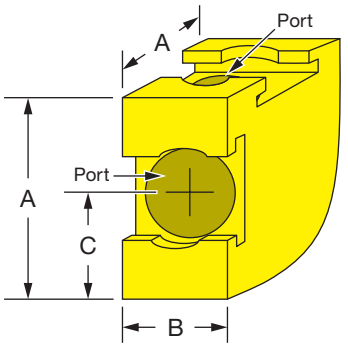
977 Gra-Tec Two Port Connectors

Clip System	Part Numbers					Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Ref.	C Ref.	D Ref.
1/16	2700	2700-SS	2700-316SS	2700-AL	2700-NP	.390	.376	.250	.500
1/8	2701	2701-SS	2701-316SS	2701-AL	2701-NP	.534	.500	.344	.688
1/4	2702	2702-SS	2702-316SS	2702-AL	2702-NP	.594	.688	.375	.750
3/8	2703	2703-SS	2703-316SS	2703-AL	2703-NP	.718	.812	.547	1.094
1/2	2704	2704-SS	2704-316SS	2704-AL	2704-NP	.910	1.000	.688	1.376



978 Gra-Tec 90° Elbow Connectors

Clip System	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Ref.	C Ref.
1/16	2800	2800-SS	2800-316SS	2800-AL	2800-NP	.547	.375	.297
1/8	2801	2801-SS	2801-316SS	2801-AL	2801-NP	.750	.500	.401
1/4	2802	2802-SS	2802-316SS	2802-AL	2802-NP	.906	.688	.495
3/8	2803	2803-SS	2803-316SS	2803-AL	2803-NP	1.167	.812	.620
1/2	2804	2804-SS	2804-316SS	2804-AL	2804-NP	1.496	1.000	.808

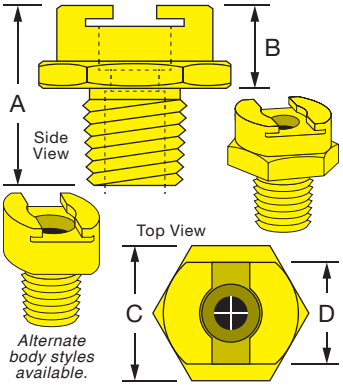


Larger Clip Systems available! Consult factory for details!

10-32 Clip Systems available upon request! Consult factory for details!

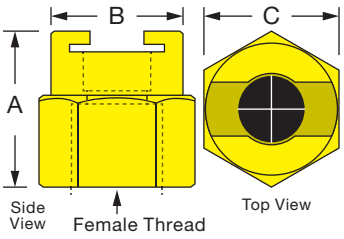
T2

Gra-Tec Female to Male Thread Adapters 979



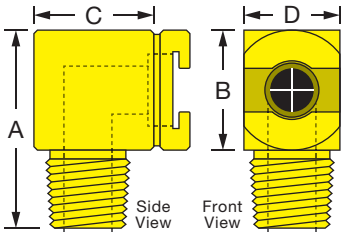
Clip System	Male Thread	Part Numbers					Dimensions (Reference)			
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Ref.	C Typ.	D Ref.
1/16	1/16	2750	2750-SS	2750-316SS	2750-AL	2750-NP	.543	.250	.500	.376
1/16	10-32	2752	2752-SS	2752-316SS	2752-AL	2752-NP	.410	.250	.500	.376
1/8	1/8	2754	2754-SS	2754-316SS	2754-AL	2754-NP	.850	.450	.750	.500
1/4	1/8	2757	2757-SS	2757-316SS	2757-AL	2757-NP	.850	.450	.875	.688
1/4	1/4	2758	2758-SS	2758-316SS	2758-AL	2758-NP	1.040	.450	.875	.688
3/8	3/8	2763	2763-SS	2763-316SS	2763-AL	2763-NP	1.077	.464	1.152	.812
1/2	1/2	2769	2769-SS	2769-316SS	2769-AL	2769-NP	1.336	.586	1.375	1.000

Gra-Tec Female to Female Thread Adapters 980



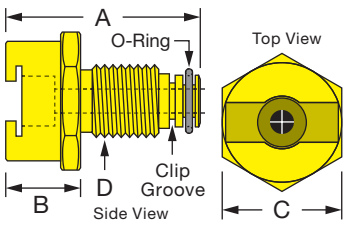
Clip System	Female Thread	Part Numbers					Dimensions (Reference)		
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Ref.	C Typ.
1/8	1/8	2724	2724-SS	2724-316SS	2724-AL	2724-NP	.730	.612	.625
1/4	1/8	2726	2726-SS	2726-316SS	2726-AL	2726-NP	.750	.742	.750
1/4	1/4	2727	2727-SS	2727-316SS	2727-AL	2727-NP	.840	.740	.750

Gra-Tec Female to Male Thread Elbow Adapters 981



Clip System	Male Thread	Part Numbers					Dimensions (Reference)			
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Ref.	C Ref.	D Ref.
1/8	1/8	2711	2711-SS	2711-316SS	2711-AL	2711-NP	1.086	.688	.750	.500
1/4	1/8	2717	2717-SS	2717-316SS	2717-AL	2717-NP	1.212	.812	.750	.625
1/4	1/4	2712	2712-SS	2712-316SS	2712-AL	2712-NP	1.405	.812	.750	.625

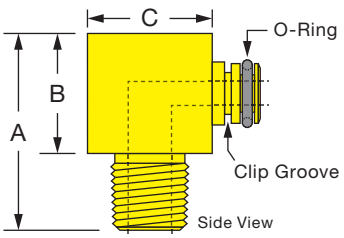
Gra-Tec Female to Gra-Tec Male Bulkheads with Lockwasher & Nut 982



Female Clip System	Male Clip System	Part Numbers					Dimensions (Reference)			
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Ref.	C Typ.	D Ref.
1/8	1/8	3094	3094-SS	3094-316SS	3094-AL	3094-NP	1.140	.450	.750	7/16-20
1/4	1/4	3098	3098-SS	3098-316SS	3098-AL	3098-NP	1.200	.450	.875	9/16-18

Note: *Gra-Tec Modular Components are not limited to the lists on this page. Other sizes are available upon request. Lead times apply!*

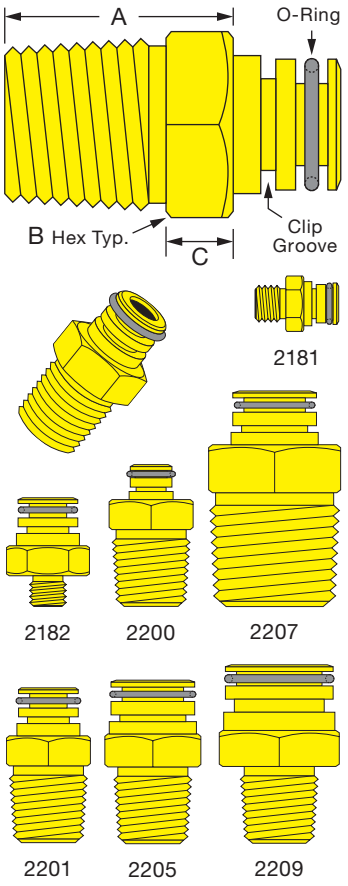
Gra-Tec Male to Male Thread Elbows 983



Clip System	Male Thread	Part Numbers					Dimensions (Reference)		
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Ref.	C Ref.
1/8	1/8	20220	20220-SS	20220-316SS	20220-AL	20220-NP	1.025	.625	.650
1/8	1/4	20221	20221-SS	20221-316SS	20221-AL	20221-NP	1.218	.625	.750
1/4	1/4	20222	20222-SS	20222-316SS	20222-AL	20222-NP	1.218	.625	.750

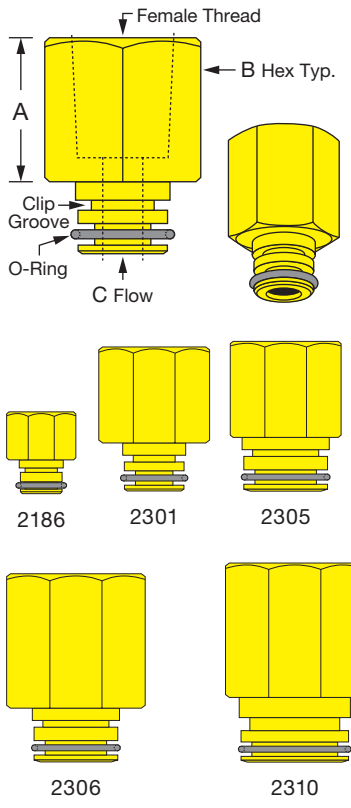
984 Gra-Tec Male to Male Thread

Clip System	Male Thread	Part Numbers					Dimensions (Reference)		
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	10-32	2181	2181-SS	2181-316SS	2181-AL	2181-NP	.253	.250	.093
1/16	1/8	2200	2200-SS	2200-316SS	2200-AL	2200-NP	.556	.437	.156
1/8	10-32	2182	2182-SS	2182-316SS	2182-AL	2182-NP	.316	.375	.156
1/8	1/8	2201	2201-SS	2201-316SS	2201-AL	2201-NP	.556	.437	.156
1/4	1/4	2202	2202-SS	2202-316SS	2202-AL	2202-NP	.780	.562	.187
1/4	1/8	2205	2205-SS	2205-316SS	2205-AL	2205-NP	.572	.500	.172
1/4	1/4	2206	2206-SS	2206-316SS	2206-AL	2206-NP	.780	.562	.187
1/4	3/8	2207	2207-SS	2207-316SS	2207-AL	2207-NP	.843	.687	.250
1/4	1/2	2208	2208-SS	2208-316SS	2208-AL	2208-NP	1.000	.875	.250
3/8	1/8	2209	2209-SS	2209-316SS	2209-AL	2209-NP	.587	.625	.187
3/8	1/4	2210	2210-SS	2210-316SS	2210-AL	2210-NP	.780	.625	.187
3/8	3/8	2211	2211-SS	2211-316SS	2211-AL	2211-NP	.843	.687	.250
3/8	1/2	2212	2212-SS	2212-316SS	2212-AL	2212-NP	1.000	.875	.250
1/2	1/8	2213	2213-SS	2213-316SS	2213-AL	2213-NP	.587	.812	.187
1/2	1/4	2214	2214-SS	2214-316SS	2214-AL	2214-NP	.780	.812	.187
1/2	3/8	2215	2215-SS	2215-316SS	2215-AL	2215-NP	.780	.812	.250
1/2	1/2	2216	2216-SS	2216-316SS	2216-AL	2216-NP	1.015	.812	.250

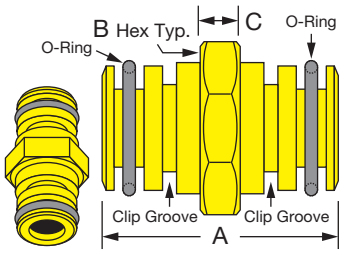


985 Gra-Tec Male to Female Thread Adapters

Clip System	Female Thread	Part Numbers					Dimensions (Reference)		
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	10-32	2186	2186-SS	2186-316SS	2186-AL	2186-NP	.250	.312	.093
1/16	1/8	2300	2300-SS	2300-316SS	2300-AL	2300-NP	.500	.500	.093
1/8	1/8	2301	2301-SS	2301-316SS	2301-AL	2301-NP	.500	.500	.125
1/8	1/4	2305	2305-SS	2305-316SS	2305-AL	2305-NP	.500	.500	.250
1/4	1/4	2306	2306-SS	2306-316SS	2306-AL	2306-NP	.700	.625	.250
1/4	3/8	2307	2307-SS	2307-316SS	2307-AL	2307-NP	.780	.875	.250
1/4	1/2	2308	2308-SS	2308-316SS	2308-AL	2308-NP	.925	1.000	.250
3/8	1/8	2309	2309-SS	2309-316SS	2309-AL	2309-NP	.500	.625	.339
3/8	1/4	2310	2310-SS	2310-316SS	2310-AL	2310-NP	.700	.625	.375
3/8	3/8	2311	2311-SS	2311-316SS	2311-AL	2311-NP	.780	.875	.375
3/8	1/2	2312	2312-SS	2312-316SS	2312-AL	2312-NP	.925	1.000	.375
1/2	1/8	2313	2313-SS	2313-316SS	2313-AL	2313-NP	.500	.812	.339
1/2	1/4	2314	2314-SS	2314-316SS	2314-AL	2314-NP	.700	.812	.437
1/2	3/8	2315	2315-SS	2315-316SS	2315-AL	2315-NP	.780	.875	.500
1/2	1/2	2316	2316-SS	2316-316SS	2316-AL	2316-NP	.925	1.000	.500



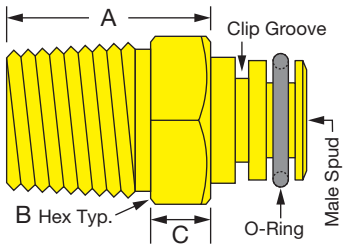
Gra-Tec Male to Gra-Tec Male Non-Rotating Couplings 986



Clip System	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/8	2101-NR	2101-NR-SS	2101-NR-316SS	2101-NR-AL	2101-NR-NP	.600	.375	.100
1/4	2105-NR	2105-NR-SS	2105-NR-316SS	2105-NR-AL	2105-NR-NP	.716	.500	.156
3/8	2108-NR	2108-NR-SS	2108-NR-316SS	2108-NR-AL	2108-NR-NP	.871	.625	.187

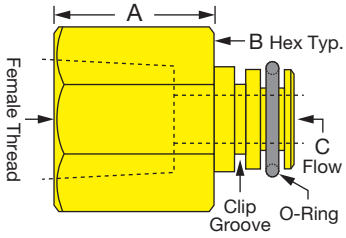
T2

Gra-Tec Male to Male Thread Non-Rotating Adapters 987



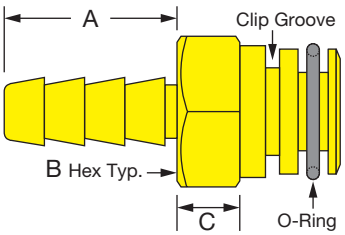
Clip System	Male Thread	Part Numbers					Dimensions (Reference)		
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/8	1/8	2201-NR	2201-NR-SS	2201-NR-316SS	2201-NR-AL	2201-NR-NP	.556	.437	.156
1/4	1/4	2206-NR	2206-NR-SS	2206-NR-316SS	2206-NR-AL	2206-NR-NP	.780	.562	.187
3/8	3/8	2211-NR	2211-NR-SS	2211-NR-316SS	2211-NR-AL	2211-NR-NP	.843	.687	.250

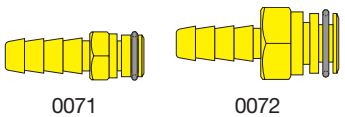
Gra-Tec Male to Female Thread Non-Rotating Adapters 988

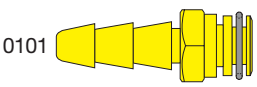


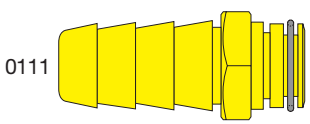
Clip System	Female Thread	Part Numbers					Dimensions (Reference)		
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/8	1/8	2301-NR	2301-NR-SS	2301-NR-316SS	2301-NR-AL	2301-NR-NP	.500	.500	.125
1/4	1/4	2306-NR	2306-NR-SS	2306-NR-316SS	2306-NR-AL	2306-NR-NP	.700	.625	.250
3/8	3/8	2311-NR	2311-NR-SS	2311-NR-316SS	2311-NR-AL	2311-NR-NP	.780	.875	.375

Gra-Tec Male to Hose and Tube Barb 989









Clip System	Tube I.D.	Part Numbers					Dimensions (Reference)		
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	1/8	0071	0071-SS	0071-316SS	0071-AL	0071-NP	.440	.250	.100
1/8	1/8	0072	0072-SS	0072-316SS	0072-AL	0072-NP	.586	.375	.156
1/8	1/8	0101	0101-SS	0101-316SS	0101-AL	0101-NP	.765	.375	.125
1/8	3/16	0102	0102-SS	0102-316SS	0102-AL	0102-NP	.985	.375	.125
1/8	1/4	0103	0103-SS	0103-316SS	0103-AL	0103-NP	.985	.437	.125
1/4	1/8	0107	0107-SS	0107-316SS	0107-AL	0107-NP	.765	.500	.125
1/4	3/16	0108	0108-SS	0108-316SS	0108-AL	0108-NP	1.016	.500	.156
1/4	1/4	0109	0109-SS	0109-316SS	0109-AL	0109-NP	1.016	.500	.156
1/4	5/16	0110	0110-SS	0110-316SS	0110-AL	0110-NP	1.016	.500	.156
1/4	3/8	0111	0111-SS	0111-316SS	0111-AL	0111-NP	1.047	.562	.187

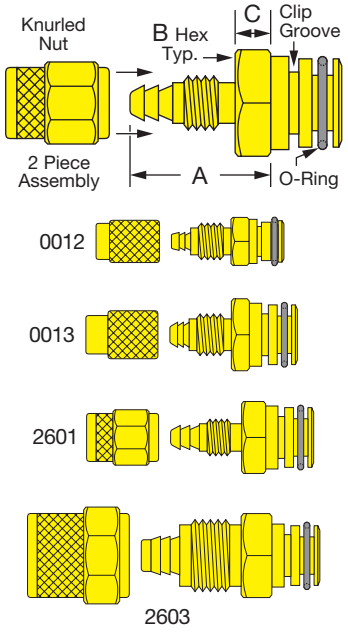
Supplied with Buna-N O-Rings! Other material options listed on page 65!

Larger Clip Systems available! Consult factory for details!

10-32 Clip Systems available upon request! Consult factory for details!

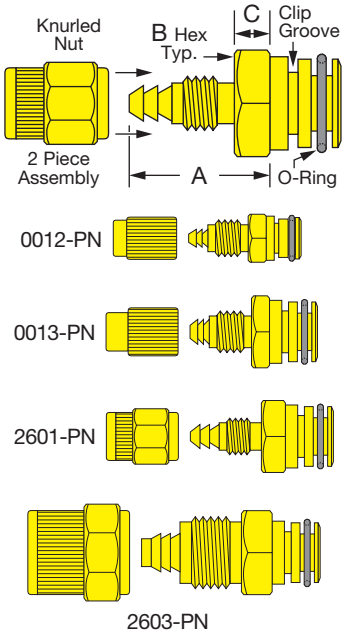
990 Gra-Tec Male to Plastic Tube (PTF)

Clip System	Tube O.D.	Part Numbers					Dimensions (Reference)		
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	.096	0012	0012-SS	0012-316SS	0012-AL	0012-NP	.403	.250	.093
1/8	.140	0013	0013-SS	0013-316SS	0013-AL	0013-NP	.413	.375	.093
1/16	.140	0014	0014-SS	0014-316SS	0014-AL	0014-NP	.413	.250	.093
1/16	1/8	2600	2600-SS	2600-316SS	2600-AL	2600-NP	.463	.250	.093
1/8	1/8	2601	2601-SS	2601-316SS	2601-AL	2601-NP	.495	.375	.125
1/8	1/4	2603	2603-SS	2603-316SS	2603-AL	2603-NP	.676	.437	.156
1/8	3/8	2605	2605-SS	2605-316SS	2605-AL	2605-NP	.792	.562	.187
1/4	1/8	2607	2607-SS	2607-316SS	2607-AL	2607-NP	.562	.500	.156
1/4	1/4	2609	2609-SS	2609-316SS	2609-AL	2609-NP	.707	.500	.187
1/4	5/16	2610	2610-SS	2610-316SS	2610-AL	2610-NP	.807	.500	.187
1/4	3/8	2611	2611-SS	2611-316SS	2611-AL	2611-NP	.792	.562	.187



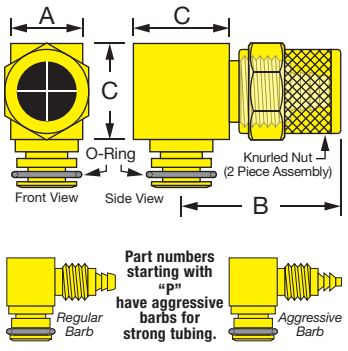
991 Gra-Tec Male to Plastic Tube (PTF) for Strong Tubing

Clip System	Tube O.D.	Part Numbers					Dimensions (Reference)		
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	.096	0012-PN	0012-PN-SS	0012-PN-316SS	0012-PN-AL	0012-PN-NP	.403	.250	.093
1/8	.140	0013-PN	0013-PN-SS	0013-PN-316SS	0013-PN-AL	0013-PN-NP	.413	.375	.093
1/16	.140	0014-PN	0014-PN-SS	0014-PN-316SS	0014-PN-AL	0014-PN-NP	.413	.250	.093
1/16	1/8	2600-PN	2600-PN-SS	2600-PN-316SS	2600-PN-AL	2600-PN-NP	.463	.250	.093
1/8	1/8	2601-PN	2601-PN-SS	2601-PN-316SS	2601-PN-AL	2601-PN-NP	.495	.375	.125
1/8	1/4	2603-PN	2603-PN-SS	2603-PN-316SS	2603-PN-AL	2603-PN-NP	.676	.437	.156
1/8	3/8	2605-PN	2605-PN-SS	2605-PN-316SS	2605-PN-AL	2605-PN-NP	.792	.562	.187
1/4	1/8	2607-PN	2607-PN-SS	2607-PN-316SS	2607-PN-AL	2607-PN-NP	.562	.500	.156
1/4	1/4	2609-PN	2609-PN-SS	2609-PN-316SS	2609-PN-AL	2609-PN-NP	.707	.500	.187
1/4	5/16	2610-PN	2610-PN-SS	2610-PN-316SS	2610-PN-AL	2610-PN-NP	.807	.500	.187
1/4	3/8	2611-PN	2611-PN-SS	2611-PN-316SS	2611-PN-AL	2611-PN-NP	.792	.562	.187

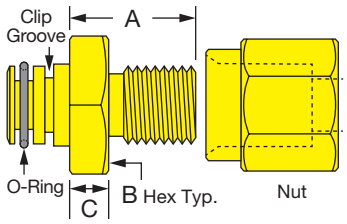


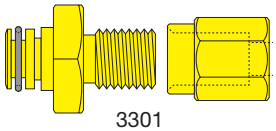
992 Gra-Tec Male to Plastic Tube Elbows

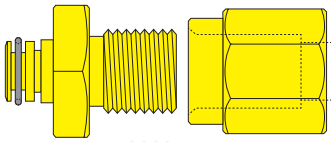
Clip System	Tube O.D.	Part Numbers					Dimensions (Reference)		
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Ref.	C Ref.
1/8	.140	92821	92821-SS	92821-316SS	92821-AL	92821-NP	.312	.600	.375
1/8	1/4	92822	92822-SS	92822-316SS	92822-AL	92822-NP	.375	.830	.500
1/8	1/4	P92822	P92822-SS	P92822-316SS	P92822-AL	P92822-NP	.375	.830	.500
1/4	1/4	92849	92849-SS	92849-316SS	92849-AL	92849-NP	.350	.830	.500
1/4	1/4	P92849	P92849-SS	P92849-316SS	P92849-AL	P92849-NP	.350	.830	.500

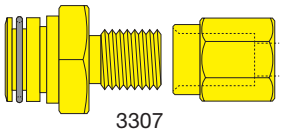


Gra-Tec Male to Flareless Tube 993

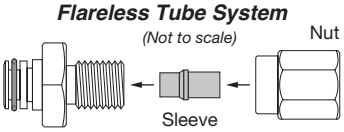



3301


3303

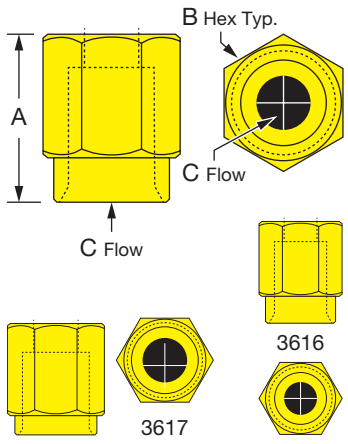

3307

Flareless Tube System
(Not to scale)



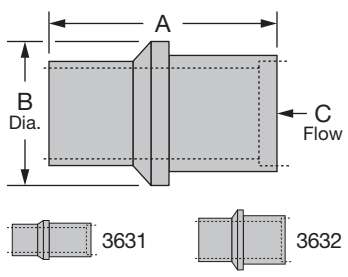
Clip System	Tube O.D.	Part Numbers					Dimensions (Reference)			
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Threads
1/8	1/8	3301	3301-SS	3301-316SS	3301-AL	3301-NP	.531	.563	.156	5/16-24
1/8	3/16	3302	3302-SS	3302-316SS	3302-AL	3302-NP	.594	.625	.172	3/8-24
1/8	1/4	3303	3303-SS	3303-316SS	3303-AL	3303-NP	.649	.687	.187	7/16-20
1/4	1/8	3307	3307-SS	3307-316SS	3307-AL	3307-NP	.562	.563	.187	5/16-24
1/4	3/16	3308	3308-SS	3308-316SS	3308-AL	3308-NP	.609	.625	.187	3/8-24
1/4	1/4	3309	3309-SS	3309-316SS	3309-AL	3309-NP	.640	.687	.187	7/16-20
1/4	5/16	3310	3310-SS	3310-316SS	3310-AL	3310-NP	.656	.750	.203	1/2-20
1/4	3/8	3311	3311-SS	3311-316SS	3311-AL	3311-NP	.719	.812	.250	9/16-18
3/8	1/4	3317	3317-SS	3317-316SS	3317-AL	3317-NP	.640	.687	.187	7/16-20
3/8	5/16	3318	3318-SS	3318-316SS	3318-AL	3318-NP	.656	.750	.203	1/2-20
3/8	3/8	3319	3319-SS	3319-316SS	3319-AL	3319-NP	.719	.812	.250	9/16-18
3/8	1/2	3320	3320-SS	3320-316SS	3320-AL	3320-NP	.887	1.000	.325	3/4-16
1/2	1/4	3325	3325-SS	3325-316SS	3325-AL	3325-NP	.640	.812	.187	7/16-20
1/2	5/16	3326	3326-SS	3326-316SS	3326-AL	3326-NP	.656	.812	.203	1/2-20
1/2	3/8	3327	3327-SS	3327-316SS	3327-AL	3327-NP	.719	.812	.250	9/16-18
1/2	1/2	3328	3328-SS	3328-316SS	3328-AL	3328-NP	.887	1.000	.325	3/4-16
1/2	5/8	3329	3329-SS	3329-316SS	3329-AL	3329-NP	1.000	1.125	.375	7/8-14
1/2	3/4	3330	3330-SS	3330-316SS	3330-AL	3330-NP	1.125	1.375	.437	11/16-12

Flareless Tube Nuts 994



Tube O.D.	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Flow
1/8	3616	3616-SS	3616-316SS	3616-AL	3616-NP	.530	.375	.171
3/16	3617	3617-SS	3617-316SS	3617-AL	3617-NP	.580	.437	.232
1/4	3618	3618-SS	3618-316SS	3618-AL	3618-NP	.720	.562	.300
5/16	3619	3619-SS	3619-316SS	3619-AL	3619-NP	.760	.625	.366
3/8	3620	3620-SS	3620-316SS	3620-AL	3620-NP	.800	.687	.425
1/2	3621	3621-SS	3621-316SS	3621-AL	3621-NP	.860	.875	.552
5/8	3622	3622-SS	3622-316SS	3622-AL	3622-NP	.980	1.000	.690
3/4	3623	3623-SS	3623-316SS	3623-AL	3623-NP	1.000	1.250	.826

Flareless Tube Sleeves 995

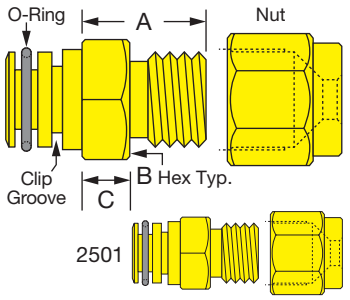


Tube O.D.	Part Numbers	Dimensions (Reference)		
	Stainless Steel 303	A Ref.	B Ref.	C Ref.
1/8	3631	.410	.203	.129
3/16	3632	.450	.312	.193
1/4	3633	.520	.359	.255
5/16	3634	.590	.422	.318

Tube O.D.	Part Numbers	Dimensions (Reference)		
	Stainless Steel 303	A Ref.	B Ref.	C Ref.
3/8	3635	.660	.484	.380
1/2	3636	.750	.625	.506
5/8	3637	.800	.750	.633
3/4	3638	.750	.938	.756

996 Gra-Tec Male to Compression Fittings

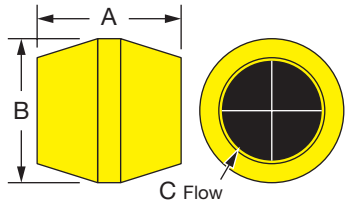
Clip System	Tube O.D.	Part Numbers					Dimensions (Reference)			
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Threads
1/8	1/8	2501	2501-SS	2501-316SS	2501-AL	2501-NP	.406	.375	.156	5/16-24
1/8	1/4	2503	2503-SS	2503-316SS	2503-AL	2503-NP	.500	.437	.187	7/16-20
1/4	1/8	2507	2507-SS	2507-316SS	2507-AL	2507-NP	.406	.500	.156	5/16-24
1/4	1/4	2509	2509-SS	2509-316SS	2509-AL	2509-NP	.500	.500	.187	7/16-20



T2

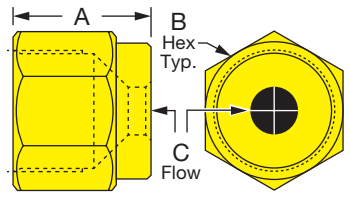
997 Compression Sleeves

Tube O.D.	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Ref.	C Flow
1/8	3401	3401-SS	3401-316SS	3401-AL	3401-NP	.187	.187	.130
1/4	3403	3403-SS	3403-316SS	3403-AL	3403-NP	.250	.344	.257



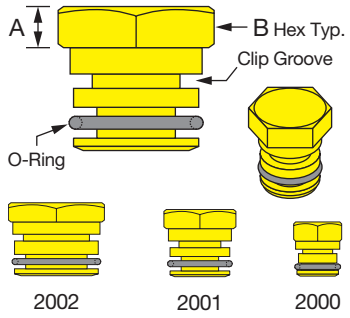
998 Compression Nuts

Tube O.D.	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Flow
1/8	3224	3224-SS	3224-316SS	3224-AL	3224-NP	.375	.375	.130
1/4	3226	3226-SS	3226-316SS	3226-AL	3226-NP	.437	.500	.257



999 Gra-Tec Male Plugs

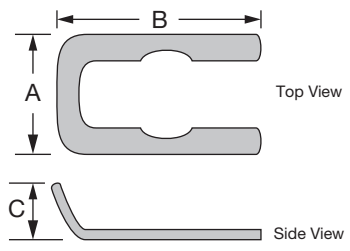
Clip System	Part Numbers					Dimensions (Reference)	
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.
1/16	2000	2000-SS	2000-316SS	2000-AL	2000-NP	.093	.250
1/8	2001	2001-SS	2001-316SS	2001-AL	2001-NP	.100	.375
1/4	2002	2002-SS	2002-316SS	2002-AL	2002-NP	.100	.500
3/8	2003	2003-SS	2003-316SS	2003-AL	2003-NP	.156	.625
1/2	2004	2004-SS	2004-316SS	2004-AL	2004-NP	.156	.812



1000 Flat Retainer Clips

Clip System	Part Numbers	Dimensions (Reference)		
	Stainless Steel 303	A Ref.	B Ref.	C Ref.
10-32	1899	.225	.435	.135
1/16	1900	.280	.510	.144
1/8	1901	.398	.728	.240

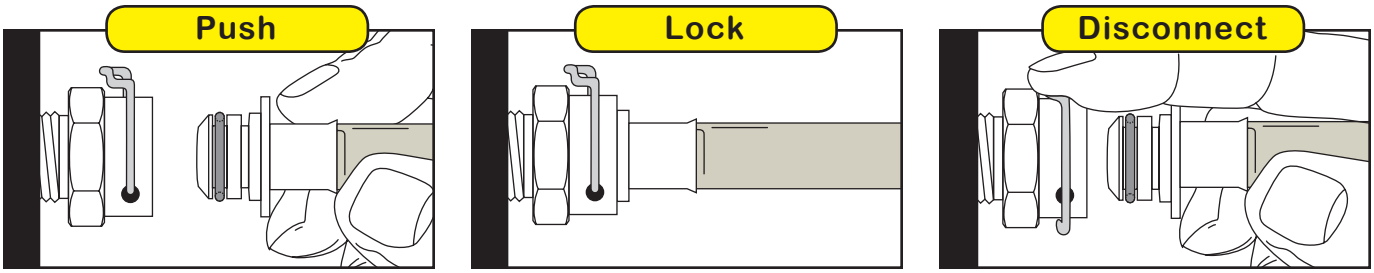
Clip System	Part Numbers	Dimensions (Reference)		
	Stainless Steel 303	A Ref.	B Ref.	C Ref.
1/4	1902	.524	.912	.244
3/8	1903	.704	1.046	.256
1/2	1904	.892	1.300	.322



Larger Clip Systems available! Consult factory for details!

10-32 Clip Systems available upon request! Consult factory for details!

Quick Release Modular Connector System Concept



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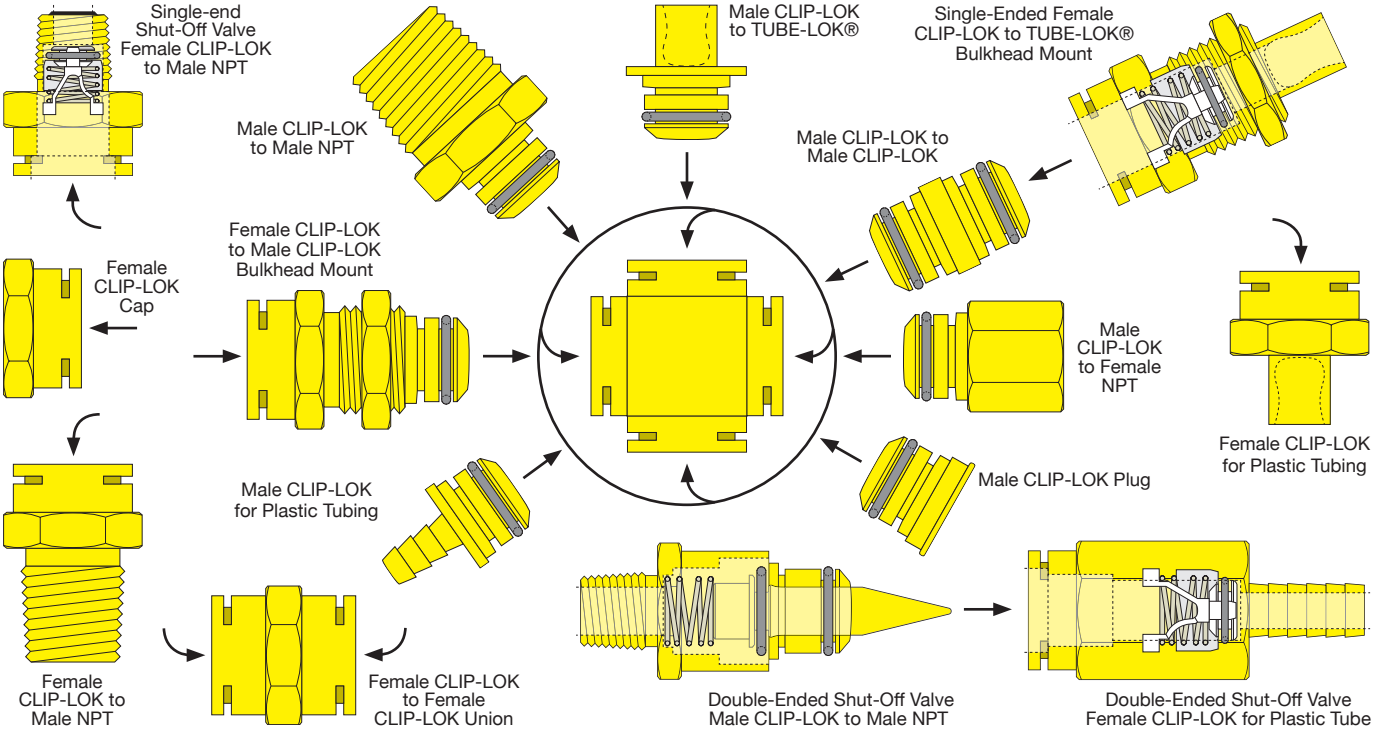


Specifications:

Standard Seals ..... Captive Buna-N O-Ring	Retainer Clips ..... Stainless Steel
Standard Material ..... Brass	Max. Operating Pressure..... 500 PSI
Alternate Material Options ..... Listed Below	Operating Temperature..... -40° to 140°F

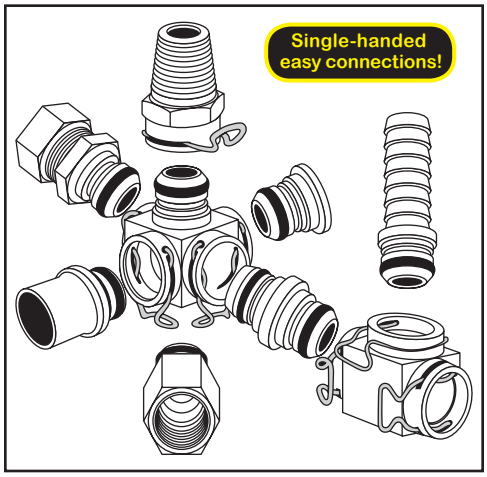
Advantages:

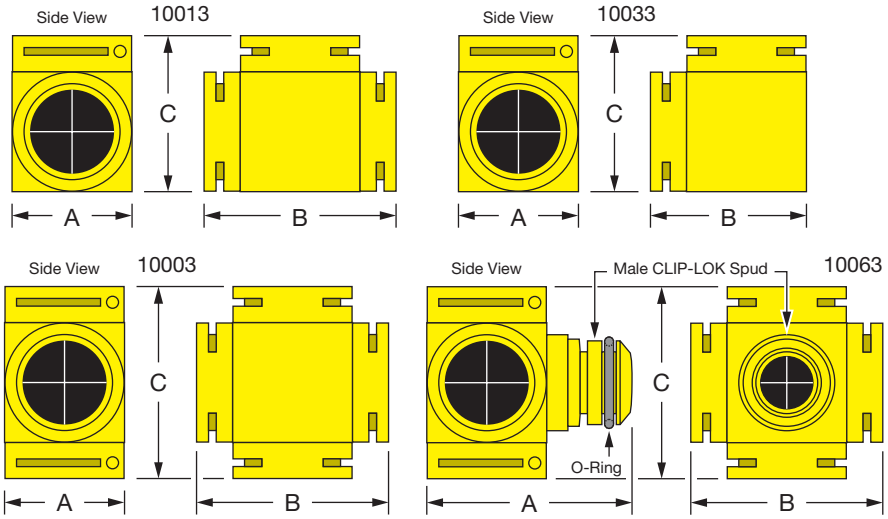
- **Assemble in seconds:** quick release modular system; no wrenches or special tools required; snap together; depress clip and pull apart to disconnect. Ideal for use in confined spaces.
- **Self-retaining locking clips:** cannot vibrate or pull loose; maintains its integrity.
- **Tubing cannot kink or bend:** o-ring seal provides leak-tight connection to 500 PSI, yet tubing is free to rotate. Less installation time.
- **CLIP-LOK Spud:** connects without threads; no tools or solvents required for assembly.
- **Vibration dampened:** o-ring seal dampens vibration, prevents leaks & damage to flow stream components.
- **Plastic tube fittings:** for 1/8" ID, 3/16" ID, and 3/8" ID plastic tubing.
- **Pipe fittings:** for 1/8", 1/4", and 3/8" male and female NPT, BSPT, and BSPP. Metric threads also available.
- **Alternate Material Options:** 303 Stainless Steel, 316 Stainless Steel, 6061-T Aluminum, Electroless Nickel Plate, Peek®, Polysulfone, and Kynar®. Buna-N O-Rings are standard. Other O-Ring material options are listed on page 65.

1001 CLIP-LOK Connector Junction

Clip System Description	Part Numbers								Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	Peek®	Polysulfone	Kynar®	A Ref.	B Typ.	C Ref.
Two-Port Elbow Junction	10033	10033-SS	10033-316SS	10033-AL	10033-NP	10033-PEEK®	10033-PSU	10033-PVD	.625	.812	.812
Three-Port Tee Junction	10013	10013-SS	10013-316SS	10013-AL	10013-NP	10013-PEEK®	10013-PSU	10013-PVD	.625	1.000	.812
Four-Port Junction	10003	10003-SS	10003-316SS	10003-AL	10003-NP	10003-PEEK®	10003-PSU	10003-PVD	.625	1.000	1.000
Five-Port Junction	10063	10063-SS	10063-316SS	10063-AL	10063-NP	10063-PEEK®	10063-PSU	10063-PVD	1.069	1.000	1.000

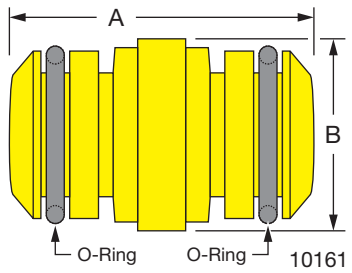
U2



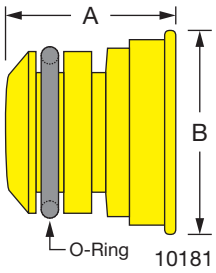


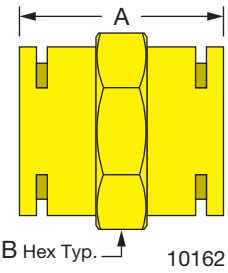
1002 CLIP-LOK General Purpose Fittings

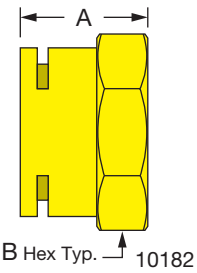
Clip System Description	Part Numbers								Dimensions (Reference)	
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	Peek®	Polysulfone	Kynar®	A Ref.	B Typ.
Male CLIP-LOK to Male CLIP-LOK Union	10161	10161-SS	10161-316SS	10161-AL	10161-NP	10161-PEEK®	10161-PSU	10161-PVD	.739	.500
Female CLIP-LOK to Female CLIP-LOK Union	10162	10162-SS	10162-316SS	10162-AL	10162-NP	10162-PEEK®	10162-PSU	10162-PVD	.750	.625
Male CLIP-LOK Plug	10181	10181-SS	10181-316SS	10181-AL	10181-NP	10181-PEEK®	10181-PSU	10181-PVD	.459	.550
Female CLIP-LOK Cap	10182	10182-SS	10182-316SS	10182-AL	10182-NP	10182-PEEK®	10182-PSU	10182-PVD	.406	.625

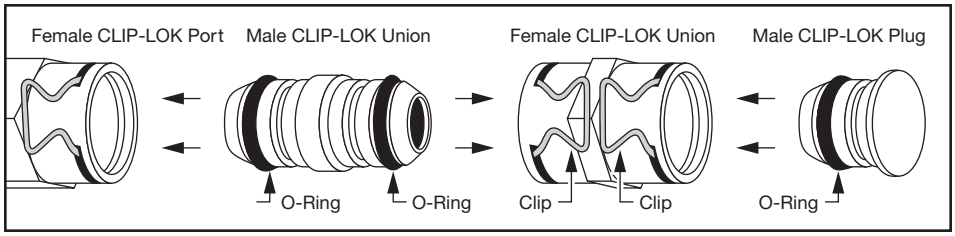


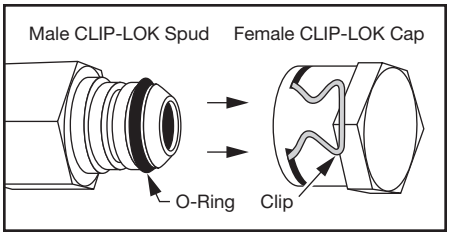
Supplied with Buna-N O-Rings! Other O-Ring options are listed on page 65!







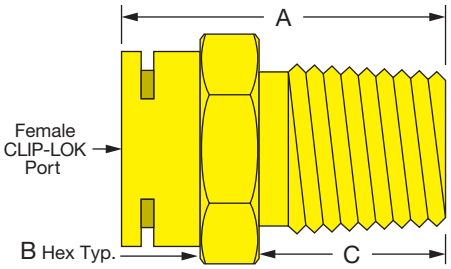


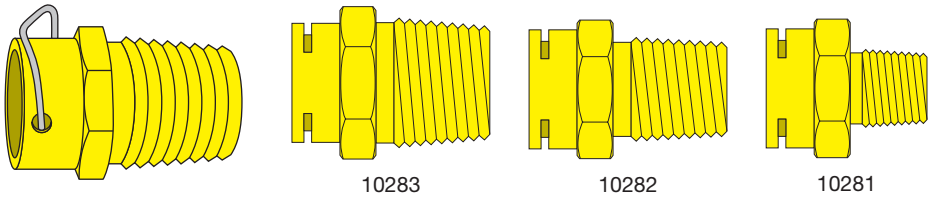


Female CLIP-LOK to Male NPT Fittings 1003

Male Thread Size	Part Numbers								Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	Peek®	Polysulfone	Kynar®	A Ref.	B Typ.	C Ref.
⅛ NPT	10281	10281-SS	10281-316SS	10281-AL	10281-NP	10281-PEEK®	10281-PSU	10281-PVD	.837	.625	.400
¼ NPT	10282	10282-SS	10282-316SS	10282-AL	10282-NP	10282-PEEK®	10282-PSU	10282-PVD	1.030	.625	.593
⅜ NPT	10283	10283-SS	10283-316SS	10283-AL	10283-NP	10283-PEEK®	10283-PSU	10283-PVD	1.030	.688	.593

U2

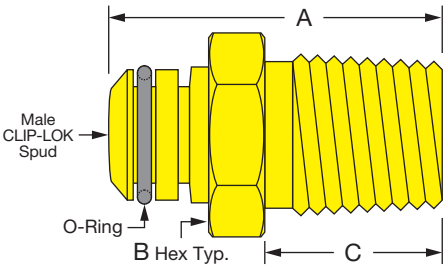


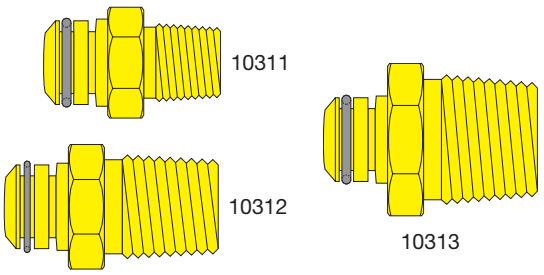


BSPT, BSPP, and Metric threads also available! Consult factory for details!

Male CLIP-LOK to Male NPT Fittings 1004

Male Thread Size	Part Numbers								Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	Peek®	Polysulfone	Kynar®	A Ref.	B Typ.	C Ref.
⅛ NPT	10311	10311-SS	10311-316SS	10311-AL	10311-NP	10311-PEEK®	10311-PSU	10311-PVD	.920	.500	.400
¼ NPT	10312	10312-SS	10312-316SS	10312-AL	10312-NP	10312-PEEK®	10312-PSU	10312-PVD	1.115	.562	.593
⅜ NPT	10313	10313-SS	10313-316SS	10313-AL	10313-NP	10313-PEEK®	10313-PSU	10313-PVD	1.115	.688	.593



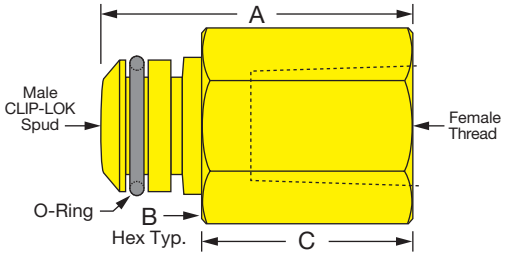


BSPT, BSPP, and Metric threads also available! Consult factory for details!

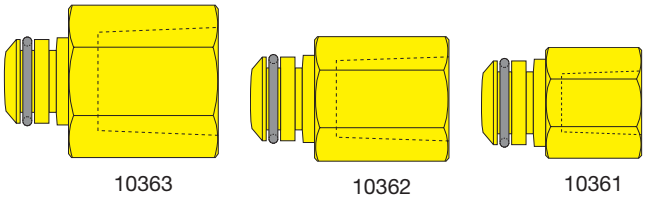
Supplied with Buna-N O-Rings. Other material options listed on page 65!

Male CLIP-LOK to Female NPT Fittings 1005

Male Thread Size	Part Numbers								Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	Peek®	Polysulfone	Kynar®	A Ref.	B Typ.	C Ref.
⅛ NPT	10361	10361-SS	10361-316SS	10361-AL	10361-NP	10361-PEEK®	10361-PSU	10361-PVD	.834	.500	.500
¼ NPT	10362	10362-SS	10362-316SS	10362-AL	10362-NP	10362-PEEK®	10362-PSU	10362-PVD	1.034	.625	.700
⅜ NPT	10363	10363-SS	10363-316SS	10363-AL	10363-NP	10363-PEEK®	10363-PSU	10363-PVD	1.114	.875	.780



Supplied with Buna-N O-Rings! Other options on page 65!



BSPT, BSPP, & Metric threads available! Consult factory for details!

1006 Female CLIP-LOK for Plastic Tubing

Tube ID	Part Numbers								Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	Peek®	Polysulfone	Kynar®	A Ref.	B Typ.	C Ref.
1/8	10231	10231-SS	10231-316SS	10231-AL	10231-NP	10231-PEEK®	10231-PSU	10231-PVD	.837	.625	.400
3/16	10232	10232-SS	10232-316SS	10232-AL	10232-NP	10232-PEEK®	10232-PSU	10232-PVD	.837	.625	.400
1/4	10234	10234-SS	10234-316SS	10234-AL	10234-NP	10234-PEEK®	10234-PSU	10234-PVD	.837	.625	.400
3/8	10236	10236-SS	10236-316SS	10236-AL	10236-NP	10236-PEEK®	10236-PSU	10236-PVD	.937	.625	.500

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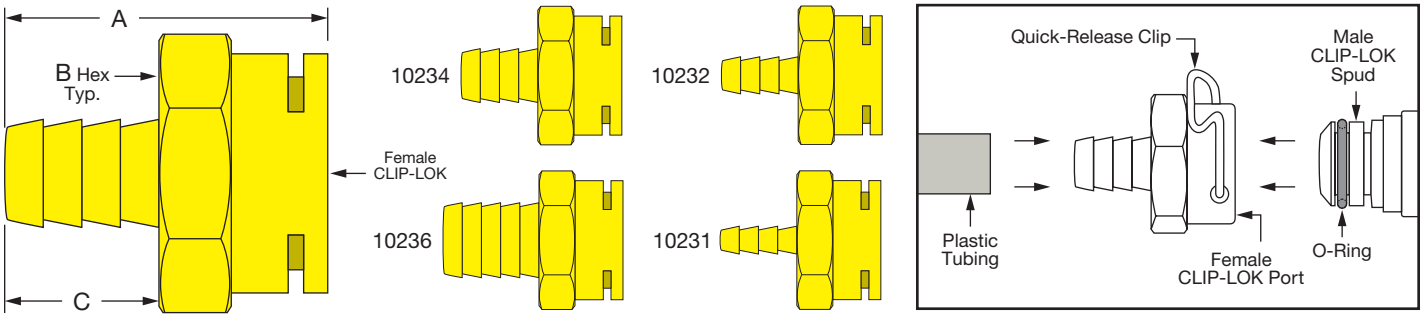
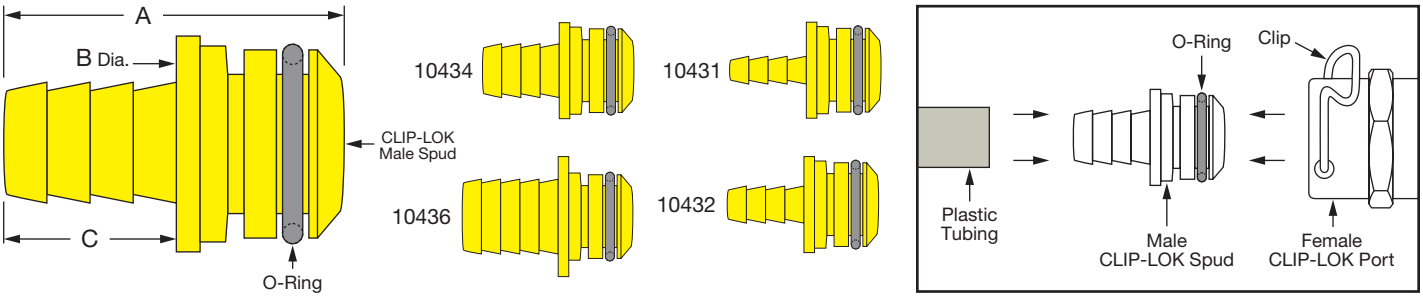


1007 Male CLIP-LOK for Plastic Tubing

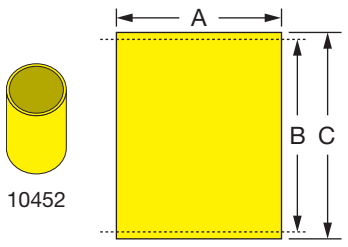
Tube ID	Part Numbers								Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	Peek®	Polysulfone	Kynar®	A Ref.	B Typ.	C Ref.
1/8	10431	10431-SS	10431-316SS	10431-AL	10431-NP	10431-PEEK®	10431-PSU	10431-PVD	.789	.500	.400
3/16	10432	10432-SS	10432-316SS	10432-AL	10432-NP	10432-PEEK®	10432-PSU	10432-PVD	.789	.500	.400
1/4	10434	10434-SS	10434-316SS	10434-AL	10434-NP	10434-PEEK®	10434-PSU	10434-PVD	.789	.500	.400
3/8	10436	10436-SS	10436-316SS	10436-AL	10436-NP	10436-PEEK®	10436-PSU	10436-PVD	.889	.625	.500



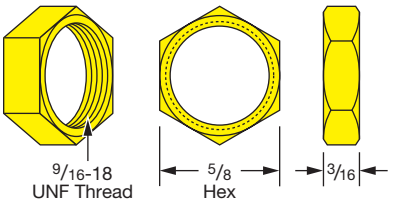
Supplied with Buna-N O-Rings. Other materials include: EPDM, Viton, Silicon, Teflon®, and Aflas®. See details on page 65!

1008 CLIP-LOK Swage Sleeves

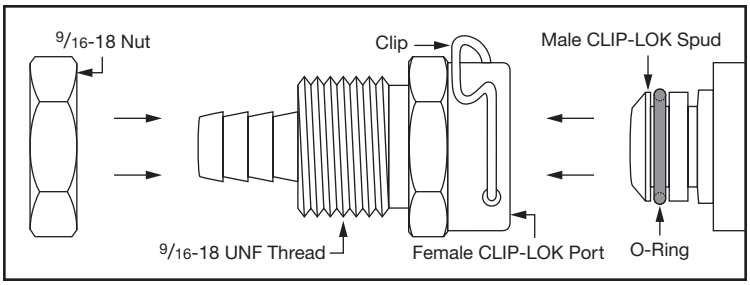
Tube OD	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Dia.
1/4	10452	10452-SS	10452-316SS	10452-AL	10452-NP	.350	.282	.312
3/8	10454	10454-SS	10454-316SS	10454-AL	10454-NP	.350	.408	.438
1/2	10456	10456-SS	10456-316SS	10456-AL	10456-NP	.450	.532	.562



CLIP-LOK Bulkhead Fittings



Supplied with 9/16-18 UNF Nuts!

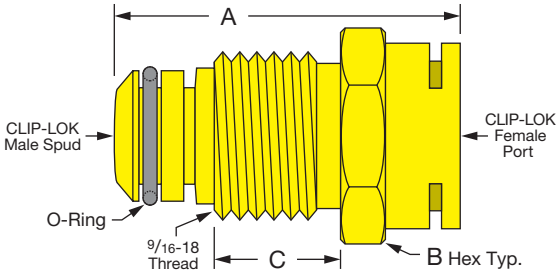


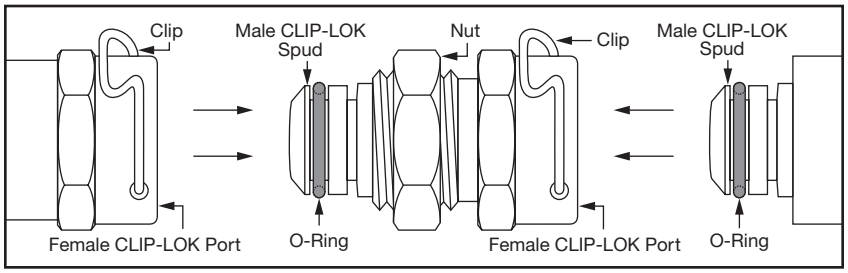
CLIP-LOK Bulkheads have 9/16-18 UNF Threads!

U2

CLIP-LOK Bulkhead Connector 1009

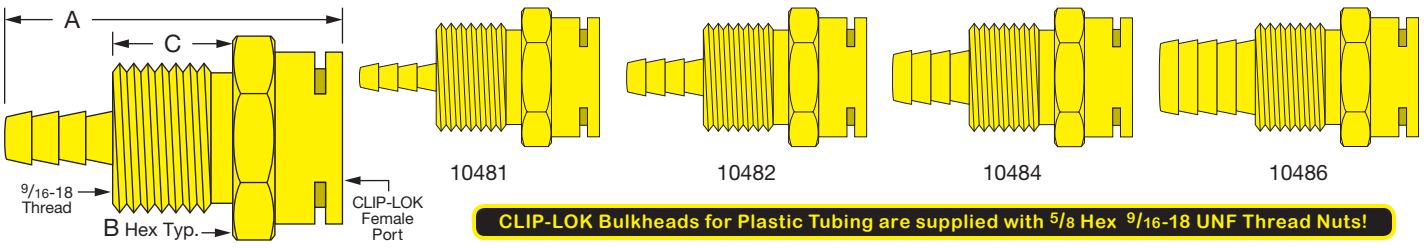
Clip System Description	Part Numbers								Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	Peek®	Polysulfone	Kynar®	A Ref.	B Typ.	C Ref.	Panel Hole
Female to Male CLIP-LOK	10480	10480-SS	10480-316SS	10480-AL	10480-NP	10480-PEEK®	10480-PSU	10480-PVD	1.156	.625	.422	.562





Female CLIP-LOK Bulkhead for Plastic Tubing 1010

Tube ID	Part Numbers								Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	Peek®	Polysulfone	Kynar®	A Ref.	B Typ.	C Ref.	Panel Hole
1/8	10481	10481-SS	10481-316SS	10481-AL	10481-NP	10481-PEEK®	10481-PSU	10481-PVD	1.250	.625	.444	.562
3/16	10482	10482-SS	10482-316SS	10482-AL	10482-NP	10482-PEEK®	10482-PSU	10482-PVD	1.250	.625	.444	.562
1/4	10484	10484-SS	10484-316SS	10484-AL	10484-NP	10484-PEEK®	10484-PSU	10484-PVD	1.250	.625	.444	.562
3/8	10486	10486-SS	10486-316SS	10486-AL	10486-NP	10486-PEEK®	10486-PSU	10486-PVD	1.350	.625	.444	.562



CLIP-LOK Bulkheads for Plastic Tubing are supplied with 5/8 Hex 9/16-18 UNF Thread Nuts!

CLIP-LOK Swage Tools

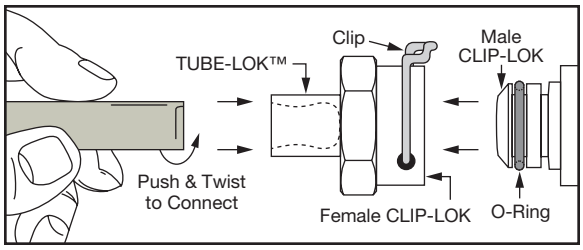
CLIP-LOK Swage Tool

This two part tool is specially designed for swaging plastic tube fittings to flexible tubing, such as polyethylene, polyurethane, and nylon. The tool may be used with fittings of all materials.

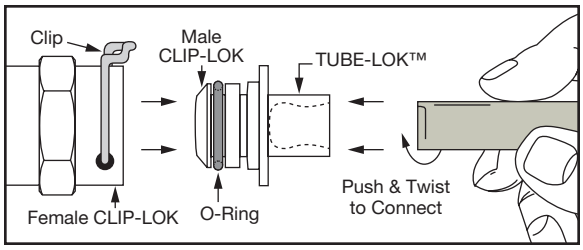
The Die • Part No: 10522
Generally used in conjunction with an arbor press.

The Yoke • Part No: 10521
Hand-held tool that replaces the arbor press in field applications.

TUBE-LOK™ Connectors



Supplied with Buna-N O-Rings! Other O-Ring material options are listed on page 65!



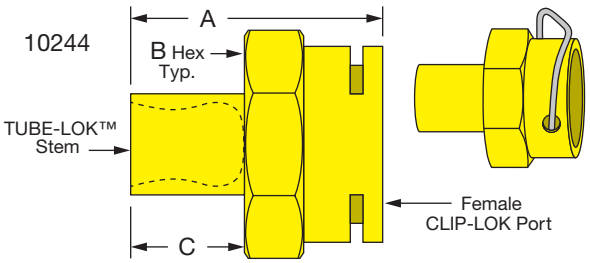
TUBE-LOK™ fittings provide an easy means for attaching plastic tubing to CLIP-LOK modular connectors. Simply twist & push the tubing into the fitting!

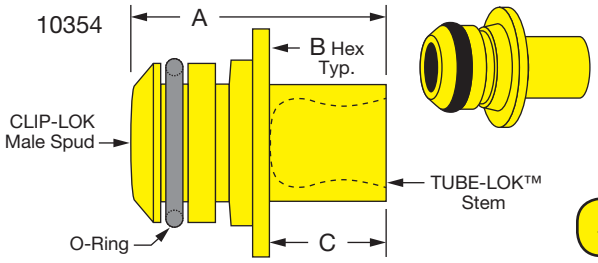
Semi-rigid plastic tubing is recommended! Consult factory for specific requirements!

U2

1011 TUBE-LOK™ Connectors for 1/4 OD

Clip System Description	Part Numbers								Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	Peek®	Polysulfone	Kynar®	A Ref.	B Typ.	C Ref.
Female CLIP-LOK to TUBE-LOK™	10244	10244-SS	10244-316SS	10244-AL	10244-NP	10244-PEEK®	10244-PSU	10244-PVD	.800	.625	.360
Male CLIP-LOK to TUBE-LOK™	10354	10354-SS	10354-316SS	10354-AL	10354-NP	10354-PEEK®	10354-PSU	10354-PVD	.700	.625	.320



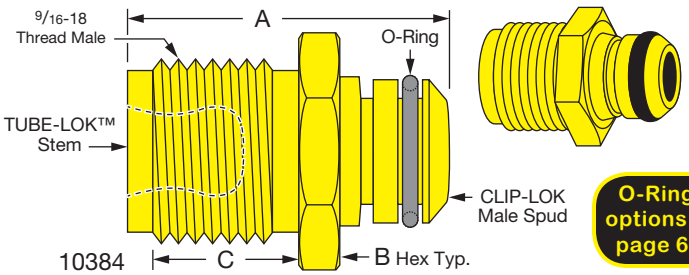


Supplied with Buna-N O-Rings! Other options on page 65!

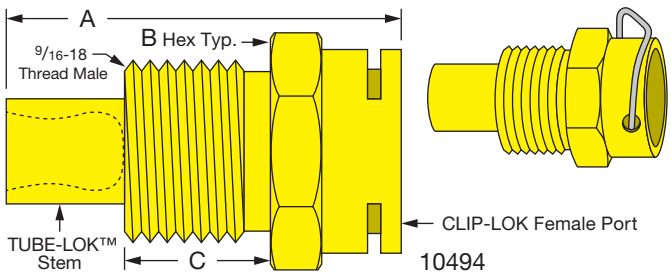
For use with 1/4" O.D. tubing!

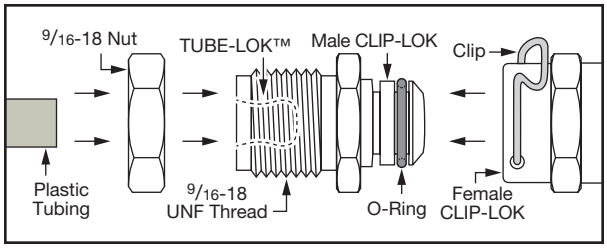
1012 Bulkhead TUBE-LOK™ Connectors for 1/4 OD

Clip System Description	Part Numbers								Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	Peek®	Polysulfone	Kynar®	A Ref.	B Typ.	C Ref.	Panel Hole
Male CLIP-LOK for TUBE-LOK™	10384	10384-SS	10384-316SS	10384-AL	10384-NP	10384-PEEK®	10384-PSU	10384-PVD	.980	.625	.444	.562
Female CLIP-LOK for TUBE-LOK™	10494	10494-SS	10494-316SS	10494-AL	10494-NP	10494-PEEK®	10494-PSU	10494-PVD	1.210	.625	.444	.562

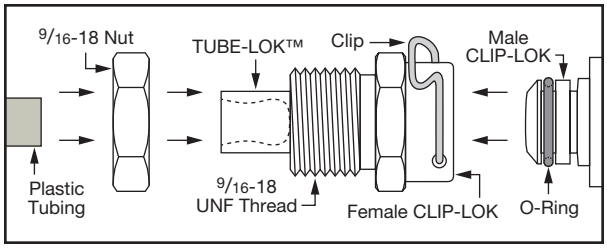


O-Rings options on page 65!

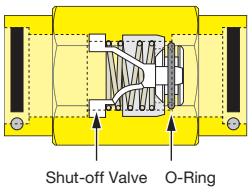


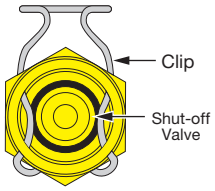


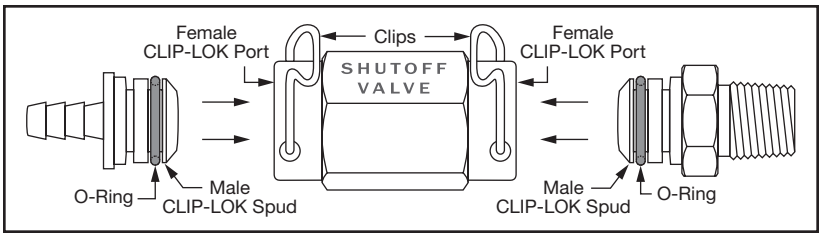
CLIP-LOK Bulkheads have 9/16-18 UNF Threads and are supplied with 9/16-18 UNF Nuts!



CLIP-LOK Single-Ended Shut-Off Valves







U2

Clip-Lok Single-Ended Shut-Off Valves provide a compact, reliable, quick-connect replacement of manual shut-off valves for liquid and gas applications!

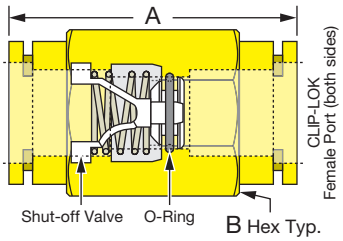
Shut-Off Valves are actuated when the male CLIP-LOK fitting is inserted!

Pressure Rating: 125 PSI to moderate vacuum

Flow Coefficient: C_V = .60

All Shut-Off Valves are 100% leak tested!

Single-Ended Shut-Off Valve Female for Female CLIP-LOK 1013

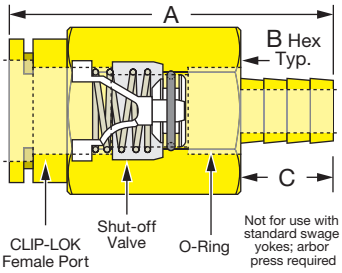


Clip System Description	Part Numbers					Dimensions (Reference)	
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.
Female to Female CLIP-LOK	11162	11162-SS	11162-316SS	11162-AL	11162-NP	1.260	.625

Peek® is not available for Single-Ended Shut-Off Valves!

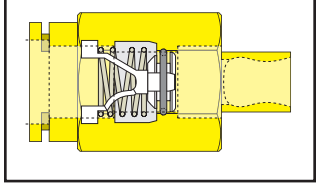
Clip-Lok fittings are supplied with Buna-N O-Rings! Other O-Ring material options are listed on page 65!

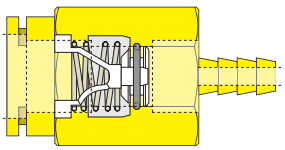
Single-Ended Shut-Off Valve Female CLIP-LOK for Plastic Tubing 1014



Tube Size	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
⅛ ID	11231	11231-SS	11231-316SS	11231-AL	11231-NP	1.400	.625	.400
3⁄16 ID	11232	11232-SS	11232-316SS	11232-AL	11232-NP	1.400	.625	.400
¼ ID	11234	11234-SS	11234-316SS	11234-AL	11234-NP	1.400	.625	.400
⅜ ID	11236	11236-SS	11236-316SS	11236-AL	11236-NP	1.500	.625	.500
¼ OD	11244	11244-SS	11244-316SS	11244-AL	11244-NP	1.380	.625	.380

11244 is a TUBE-LOK™ fitting





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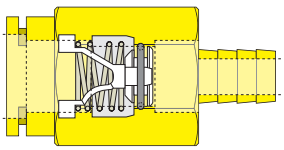
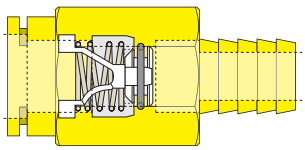
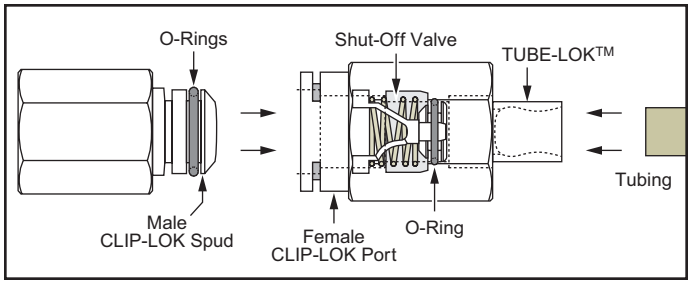


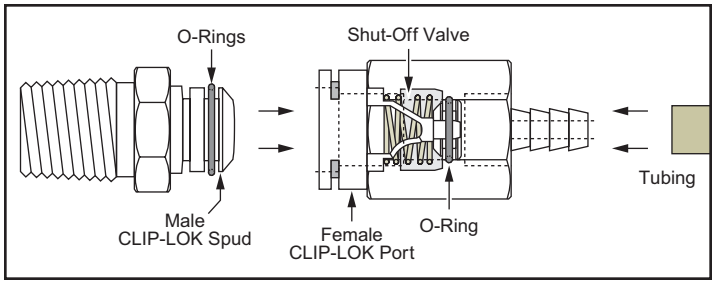
11234



11236

Note: *Not for use with standard swage yokes; arbor press required.*

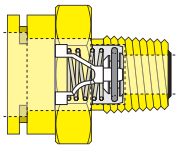




Single-Ended Shut-Off Check Valves and In-line Check Valves (Check Mates) available! See page 545! Consult factory for details!

1015 Single-Ended Shut-Off Valve Female CLIP-LOK for Male NPT

Thread Size	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
⅛ NPT	11281	11281-SS	11281-316SS	11281-AL	11281-NP	.837	.625	.400
¼ NPT	11282	11282-SS	11282-316SS	11282-AL	11282-NP	1.030	.625	.593
⅜ NPT	11283	11283-SS	11283-316SS	11283-AL	11283-NP	1.030	.688	.593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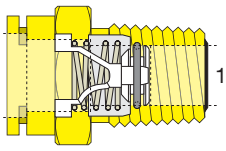
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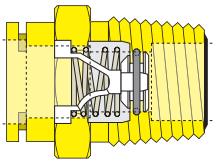
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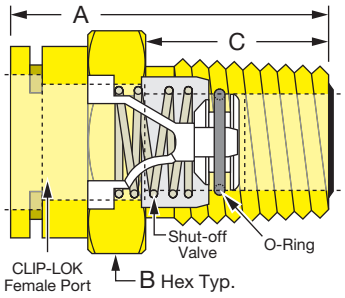
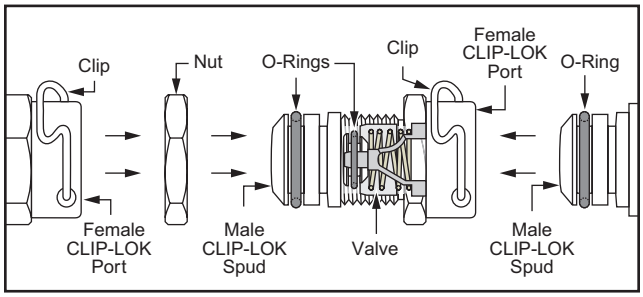
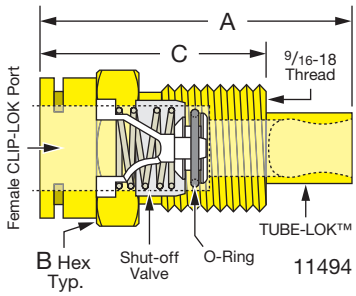


BSPT, BSPP, and Metric threads also available! Consult factory for details!

1016 Single-Ended Shut-Off Valve CLIP-LOK Bulkhead Connectors

Clip System Description	Tube OD	Part Numbers					Dimensions (Reference)			
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	Panel Hole
Female CLIP-LOK to Male CLIP-LOK	n/a	11480	11480-SS	11480-316SS	11480-AL	11480-NP	1.334	.625	1.000	.562
Female CLIP-LOK to Compression Fitting	¼	11474	11474-SS	11474-316SS	11474-AL	11474-NP	1.450	.625	1.000	.562
Female CLIP-LOK to TUBE-LOK™	¼	11494	11494-SS	11494-316SS	11494-AL	11494-NP	1.380	.625	1.000	.562





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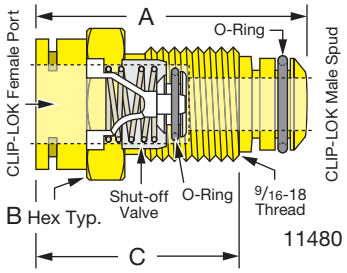

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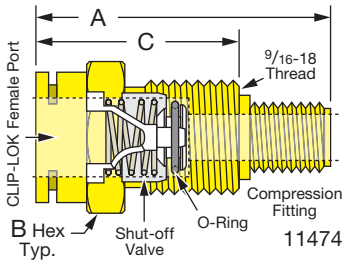
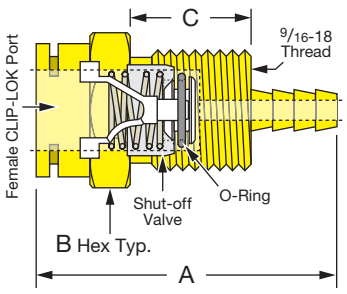
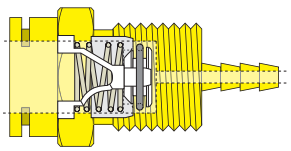


11474

1017 Single-Ended Shut-Off Valve Female CLIP-LOK Bulkhead for Plastic Tubing

Tube ID	Part Numbers					Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	Panel Hole
⅛	11481	11481-SS	11481-316SS	11481-AL	11481-NP	1.400	.625	.562	.562
3/16	11482	11482-SS	11482-316SS	11482-AL	11482-NP	1.400	.625	.562	.562
¼	11484	11484-SS	11484-316SS	11484-AL	11484-NP	1.400	.625	.562	.562
⅜	11486	11486-SS	11486-316SS	11486-AL	11486-NP	1.500	.625	.562	.562

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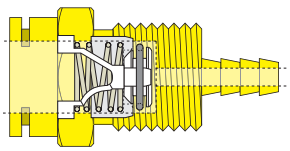
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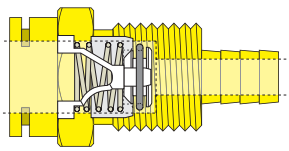
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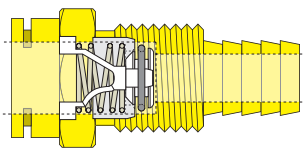
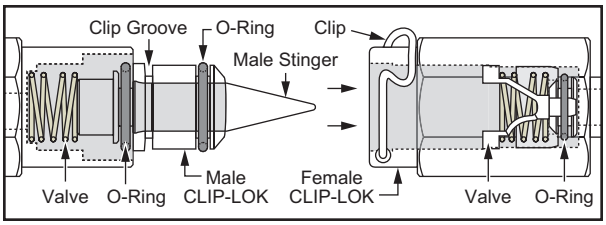

11486

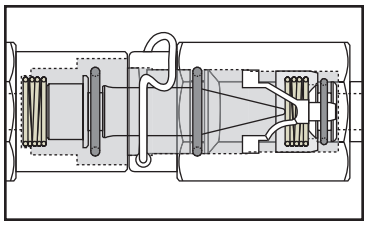
Supplied with 9/16-18 UNF Nuts!

U.S. CLIP-LOK fittings are supplied with Buna-N O-Rings. Other material options are listed on page 65! Consult factory for details!

CLIP-LOK Double-Ended Shut-Off Valves

Quick connect automatic shut-off valves on both the male and female sides of the CLIP-LOK connector!





Single-Ended and Double-Ended Shut-Off Valves cannot be interchanged.

Pressure Rating: 125 PSI to moderate vacuum

Flow Coefficient: C_V = .50

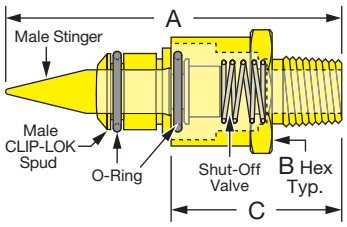
Peek® is not available!

O-Ring material options are listed on page 65!

All valves are 100% leak tested!

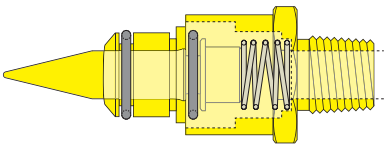
U2

Double-Ended Shut-Off Valves Male CLIP-LOK to Male NPT Fittings 1018



BSPT, BSPP, & Metric thread options also available! Consult factory for details!

Male Thread Size	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Ref.	C Ref.
⅛ NPT	13311	13311-SS	13311-316SS	13311-AL	13311-NP	1.930	.625	.980
¼ NPT	13312	13312-SS	13312-316SS	13312-AL	13312-NP	2.120	.625	1.170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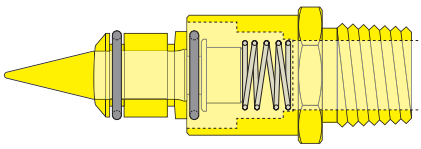
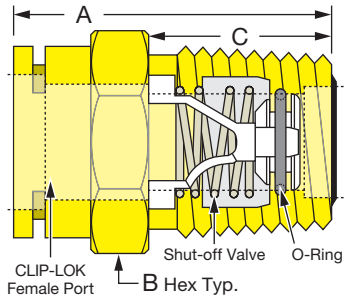
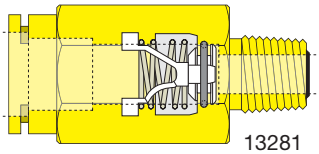

13312

Double-Ended Shut-Off Valves Female CLIP-LOK to Male NPT Fittings 1019



BSPT, BSPP, & Metric thread options also available! Consult factory for details!

Male Thread Size	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
⅛ NPT	13281	13281-SS	13281-316SS	13281-AL	13281-NP	1.550	.625	.400
¼ NPT	13282	13282-SS	13282-316SS	13282-AL	13282-NP	1.750	.625	.600
⅜ NPT	13283	13283-SS	13283-316SS	13283-AL	13283-NP	1.030	.688	.600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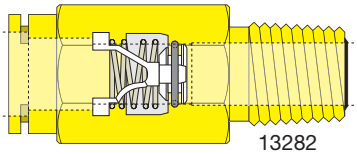
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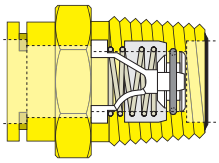
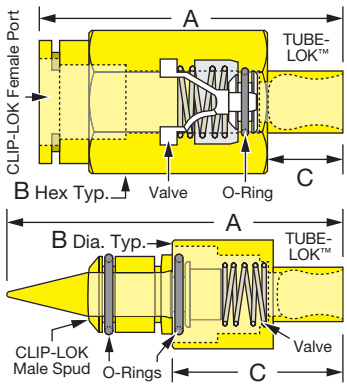
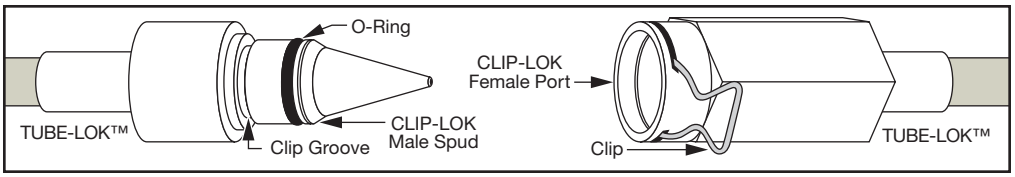

13283

Double-Ended Shut-Off Valves CLIP-LOK to TUBE-LOCK™ for 1/4 OD 1020

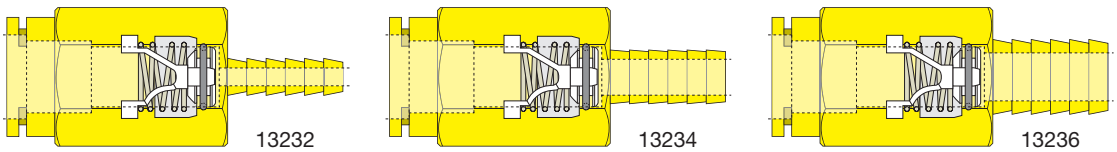


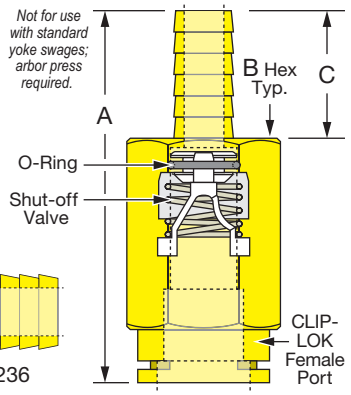
Clip System Description	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
Female CLIP-LOK to TUBE-LOK™	13244	13244-SS	13244-316SS	13244-AL	13244-NP	1.530	.625	.380
Male CLIP-LOK to TUBE-LOK™	13354	13354-SS	13354-316SS	13354-AL	13354-NP	1.930	.625	.980



1021 Double-Ended Shut-Off Valves Female CLIP-LOK for Plastic Tubing

Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
3/16	13232	13232-SS	13232-316SS	13232-AL	13232-NP	1.750	.625	.600
1/4	13234	13234-SS	13234-316SS	13234-AL	13234-NP	1.750	.625	.600
3/8	13236	13236-SS	13236-316SS	13236-AL	13236-NP	1.750	.625	.600

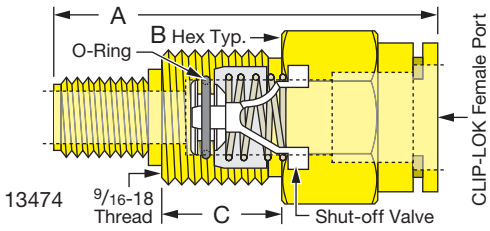


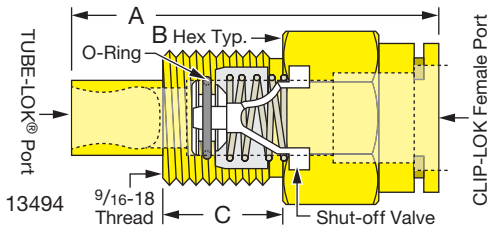


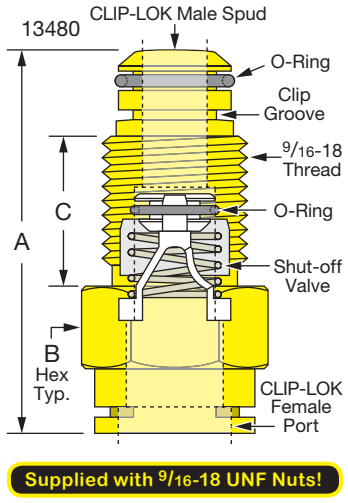
U2

1022 Double-Ended Shut-Off Valve CLIP-LOK Bulkhead Connectors

Clip System Description	Tube OD	Part Numbers					Dimensions (Reference)			
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	Panel Hole
Female CLIP-LOK for Male CLIP-LOK	n/a	13480	13480-SS	13480-316SS	13480-AL	13480-NP	1.484	.500	.625	.562
Female CLIP-LOK for Compression Fitting	1/4	13474	13474-SS	13474-316SS	13474-AL	13474-NP	1.600	.500	.625	.562
Female CLIP-LOK for TUBE-LOK™	1/4	13494	13494-SS	13494-316SS	13494-AL	13494-NP	1.530	.500	.625	.562



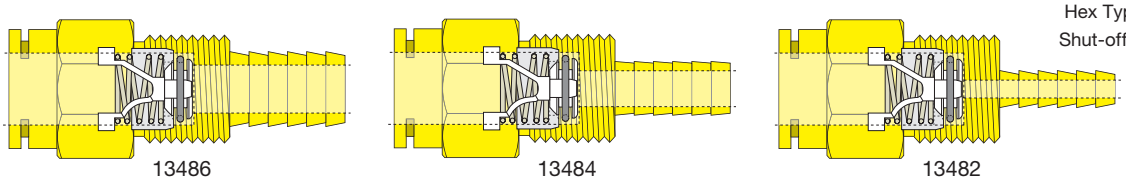




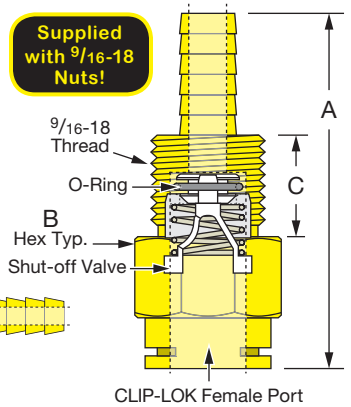
Supplied with 9/16-18 UNF Nuts!

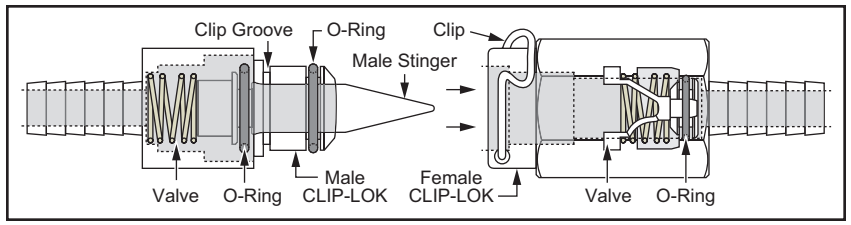
1023 Double-Ended Shut-Off Valves Female CLIP-LOK Bulkhead for Plastic Tubing

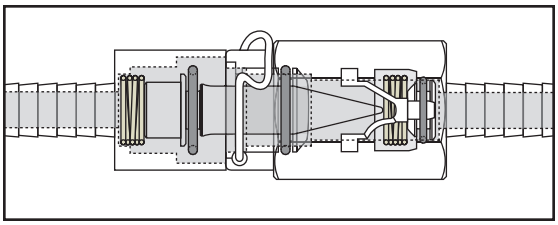
Tube ID	Part Numbers					Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	Panel Hole
3/16	13482	13482-SS	13482-316SS	13482-AL	13482-NP	1.750	.500	.625	.562
1/4	13484	13484-SS	13484-316SS	13484-AL	13484-NP	1.750	.500	.625	.562
3/8	13486	13486-SS	13486-316SS	13486-AL	13486-NP	1.750	.500	.625	.562



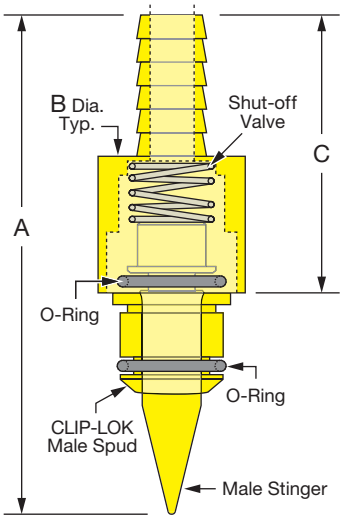
Supplied with 9/16-18 Nuts!



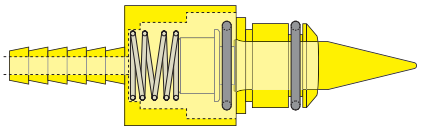




Double-Ended Shut-Off Valves Male CLIP-LOK for Plastic Tubing 1024



Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
3/16	13432	13432-SS	13432-316SS	13432-AL	13432-NP	2.120	1.180	.625
1/4	13434	13434-SS	13434-316SS	13434-AL	13434-NP	2.120	1.180	.625
3/8	13436	13436-SS	13436-316SS	13436-AL	13436-NP	2.120	1.180	.625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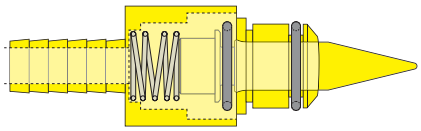
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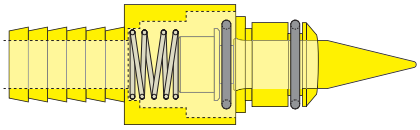
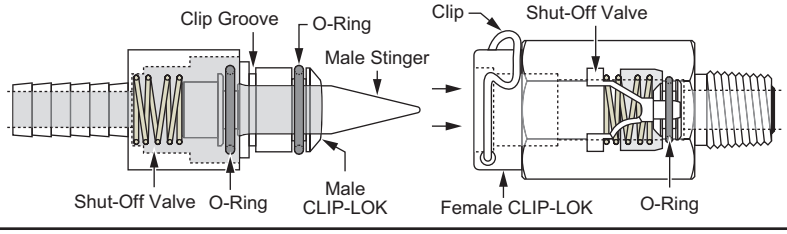
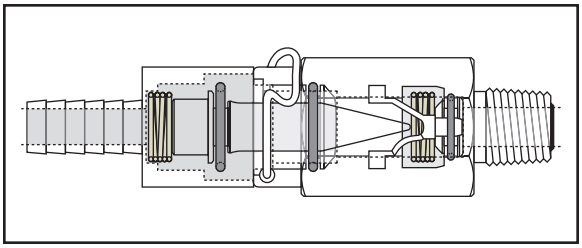

13436

Not for use with standard swage yokes; abor press is required!

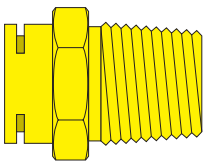
Peek® is not available for Double-Ended Shut-Off Valves!





U.S. CLIP-LOK fittings are supplied with Buna-N O-Rings. Other material options are listed on page 65! Consult factory for details!

BSPT and BSPP threads available upon request! Lead times and minimum quantities apply! Consult factory for details!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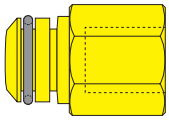
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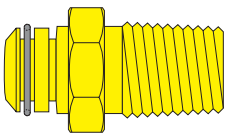
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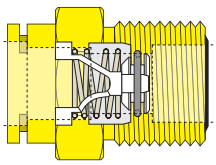
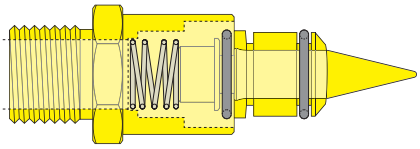
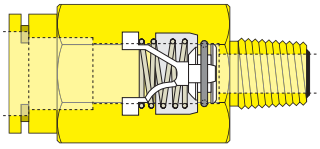

11283-BSPP

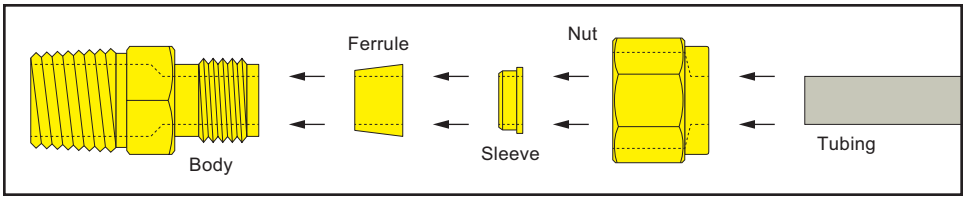
Consult factory for O-Ring options!

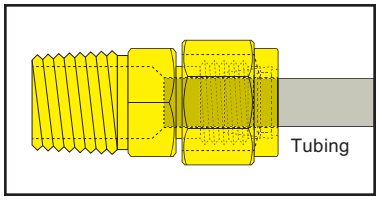

13312-BSPP


13281-BSPT

Note: *Images are for visual representation only; not intended for dimensional measurements.*

New Products Coming Soon: Mem-Lok!





Tube O.D. sizes from 1/16 to 1 inch available!

Threads sizes from 1/16 to 1 inch available!

NPT, BSPT, and BSPP threads available!

Consult factory for details and dimensions!

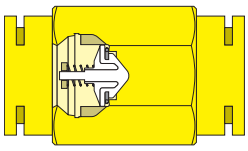
Material options include: Brass, Electroless Nickel Plate, and 316 Stainless Steel!

Check Valves

Maximum Working Pressure: 125 PSI

Check Valves allow flow in only one direction. Check Valves are available in the same configuration options as CLIP-LOK Single-Ended Shut-Off Valves! See pages 540 & 541 for more information! Consult factory for details!

Standard Cracking Pressure: 2 PSI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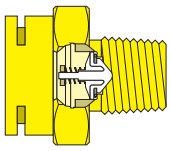
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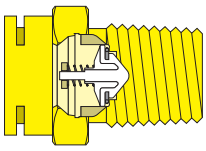
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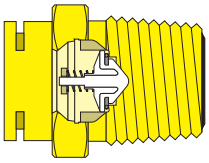
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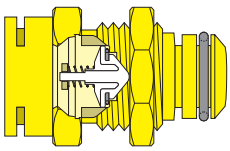
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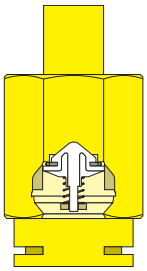
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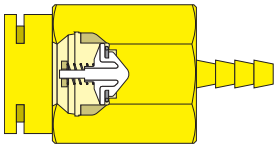
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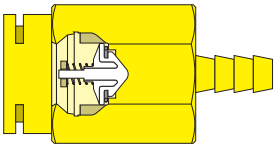
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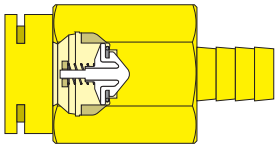
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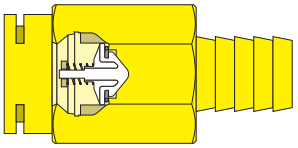
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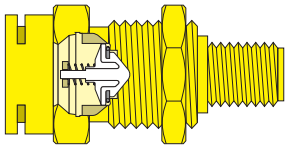
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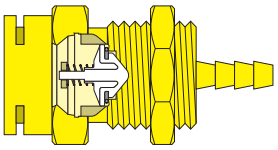
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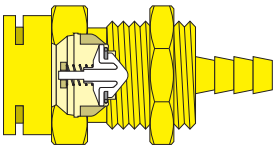
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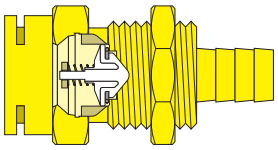
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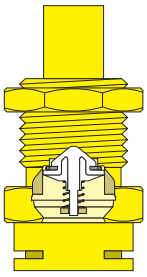
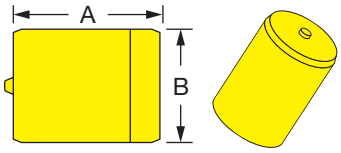

12494

U.S. CLIP-LOK fittings are supplied with Buna-N O-Rings. Other material options are listed on page 65! Consult factory for details!

1025 In-line Check-Valve (Checkmates)

Tube ID	Part Numbers					Dimensions (Reference)	
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Ref.
3/8	12570	12570-SS	12570-316SS	12570-AL	12570-NP	.550	.425



Peek® is not available for In-line Check-Valves!

Checkmates are in-line check-valves for use with 3/8" ID plastic tubing! They press into the tubing without any special tools or threading. Checkmates are the mechanisms used in Check-Valves!

1026 CLIP-LOK Accessories

CLIP-LOK Swage Tool

This two part tool is specially designed for swaging plastic tube fittings to flexible tubing.

The Die
Part No: 10522

It is generally used in conjunction with an arbor press.

The Yoke
Part No: 10521

A convenient hand-held tool that replaces the arbor press in field applications.

CLIP-LOK Sample Kit

Part No: 10101

A complete selection of CLIP-LOK modular connectors that are ideal for bread-boarding new systems or as a handy repair kit for the field. Consult factory for details!

Each kit contains the following parts:

Quantity	Part Number
2	10003*
2	10013
2	10033
1	10063*

Quantity	Part Number
1	10161
1	10162
4	10281
6	10282

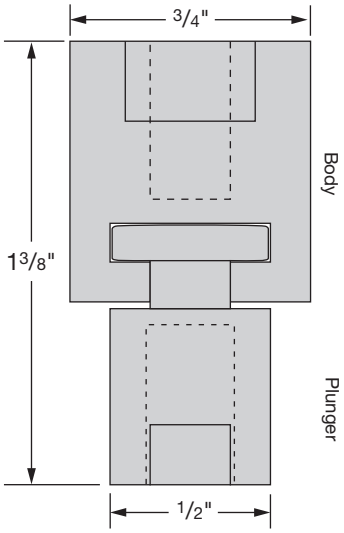
Quantity	Part Number
4	10311
6	10212
4	10361
4	10362

Quantity	Part Number
8	10434
5	10436
8	10454
5	10456

Quantity	Part Number
3	10181
1	10480

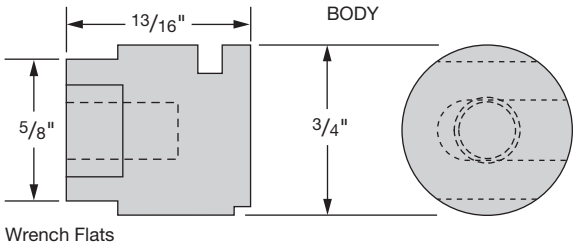
*Not for use with standard swage yokes; arbor press required

Demountable Cylinder Rod Alignment Compensators/Coupler (Patented) 1027

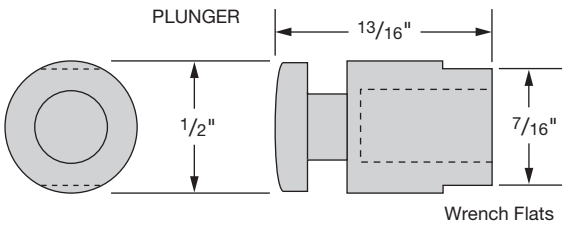


RAC SET
Front View

Thread Size	Part Numbers					
	Nickel Plate Steel Body	Nickel Plate Steel Plunger	Nickel Plate Steel Set	Stainless Steel Body	Stainless Steel Plunger	Stainless Steel Plunger
5-40 UNC-2A	RAC-540-BODY	RAC-540-PLUNGER	RAC-540-SET	RAC-540-BODY-SS	RAC-540-PLUNGER-SS	RAC-540-SET-SS
8-32 UNC	RAC-832-BODY	RAC-832-PLUNGER	RAC-832-SET	RAC-832-BODY-SS	RAC-832-PLUNGER-SS	RAC-832-SET-SS
10-32 UNF-2A	RAC-332-BODY	RAC-332-PLUNGER	RAC-332-SET	RAC-332-BODY-SS	RAC-332-PLUNGER-SS	RAC-332-SET-SS
1/4-20 UNC	RAC-420-BODY	RAC-420-PLUNGER	RAC-420-SET	RAC-420-BODY-SS	RAC-420-PLUNGER-SS	RAC-420-SET-SS
1/4-28 UNF-2A	RAC-428-BODY	RAC-428-PLUNGER	RAC-428-SET	RAC-428-BODY-SS	RAC-428-PLUNGER-SS	RAC-428-SET-SS
5/16-18 UNC	RAC-518-BODY	RAC-518-PLUNGER	RAC-518-SET	RAC-518-BODY-SS	RAC-518-PLUNGER-SS	RAC-518-SET-SS
5/16-24 UNF-2A	RAC-524-BODY	RAC-524-PLUNGER	RAC-524-SET	RAC-524-BODY-SS	RAC-524-PLUNGER-SS	RAC-524-SET-SS
3/8-24 UNF-2A	RAC-624-BODY	RAC-624-PLUNGER	RAC-624-SET	RAC-624-BODY-SS	RAC-624-PLUNGER-SS	RAC-624-SET-SS
M5	RAC-M5-BODY	RAC-M5-PLUNGER	RAC-M5-SET	RAC-M5-BODY-SS	RAC-M5-PLUNGER-SS	RAC-M5-SET-SS
M6x1	RAC-M6x1.0-BODY	RAC-M6x1.0-PLUNGER	RAC-M6x1.0-SET	RAC-M6x1.0-BODY-SS	RAC-M6x1.0-PLUNGER-SS	RAC-M6x1.0-SET-SS
M8x1.25	RAC-M8x1.25-BODY	RAC-M8x1.25-PLUNGER	RAC-M8x1.25-SET	RAC-M8x1.25-BODY-SS	RAC-M8x1.25-PLUNGER-SS	RAC-M8x1.25-SET-SS



Note:
Images are for reference only. Images are NOT to scale.



Economical Benefits:

- Demountable - detaching the compensator/coupler when servicing the driven section or cylinder is not necessary
- Slips apart thus maintaining the original settings and adjustments
- Provides quick set up changes in small air press applications
- Reduces wear on bearings due to misalignment of machine elements and cylinder shaft
- Prevents power loss in small cylinders caused by poor alignment or direction of machine components
- Allows more flexibility in tolerances and choices of cylinder mounting
- Great for conveyor systems

Specifications:

- Low cost coupler for small bore cylinders threaded rods 10-32 through 5/16-24
- Angular movement: 3° in any direction or a total of 6°
- Axial movement is a total of .020"
- Material is heat treated steel or Electroless Nickel Plate
- Thread depth = 5/16"
- Combined length = 1 3/8"
- Dimensions shown are the same for all thread sizes

Custom Options:

- Available in Stainless Steel
- Male version available on body or plunger
- Larger thread sizes are available upon request

Consult factory for details!

1028 Multiple Port Rotary Valves (Patented)

Methods of Actuation

■ ***Manual operation*** – the external actuator may be a knob or hand wheel attached to valve shaft.

■ ***Remote operation*** – an air or hydraulic cylinder or solenoid can index the valve via a ratchet mechanism attached to the valve shaft.

■ ***Mechanical operation*** – a cam on the main machine actuates the ratchet mechanism on the valve shaft.

How it works

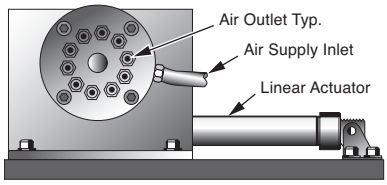
Rotating the external actuator one position (clockwise or counterclockwise) directs air pressure to the next outlet port at the front of the unit. All other outlet ports are open to atmosphere. Thus, in the illustration above, a single acting cylinder can be actuated by connecting its port to any of the valve outlet ports. A double acting cylinder can be operated by connecting its ports to any two of the valve outlets. If connected to two adjacent outlets, the cylinder will open and close immediately on the next advancement of the actuator; if connected to nonadjacent outlets, the cylinder's extend/retract cycle can be sequenced with other operations controlled by the valve.

Manual Operation

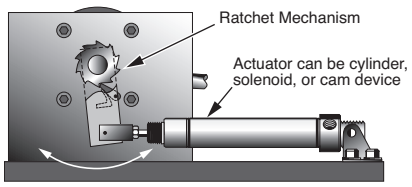
Side view panel mounted – rotary valve is shown with knob attached to valve shaft. Valve is indexed by hand through 10 or 20 outlet ports depending on valve model.

Remote Operation

Front view base mounted



Rear view base mounted

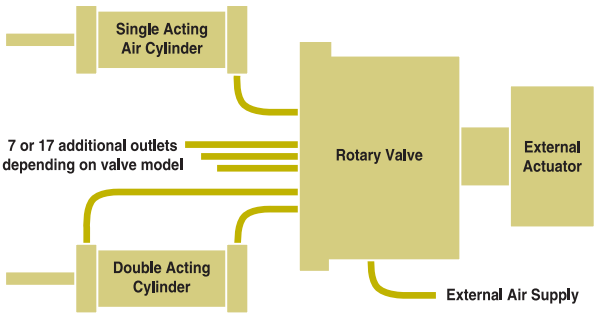


General Use

■ As a panel mounted selector valve for remote control of pneumatic cylinders, valves or other devices.

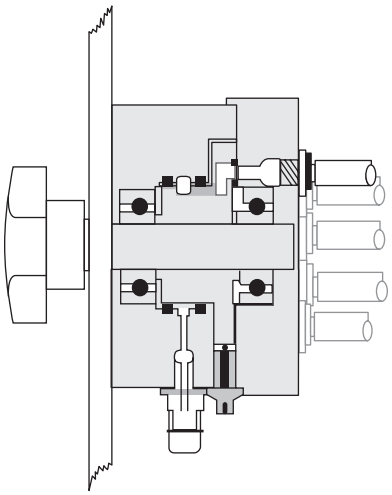
■ As a programmer for automatic machinery: lathes, drilling machines, winders, etc.)

■ As an "IMPLANT" in a large machine to supply sequential control where indexing is accomplished by some moving part of the machine.



■ As a sampling device whereby a vacuum is employed to draw a sample of air from a controlled atmosphere area to a central analyzing station, and/or to check atmospheric pressure.

■ Units may be coupled in tandem (which requires a special shaft), or in series; i.e. a port on first unit is connected to actuator device on second unit and a port on second unit is connected to actuator on third unit, etc., etc. In this fashion, an infinite number of counts may be obtained.



MODEL GV2-10 with 10 outlet ports is shown mounted on an angle bracket attached to machine base.

An air or hydraulic cylinder, a solenoid, or a cam on the main machine can index the valve via a ratchet mechanism attached to the valve shaft.

Model Number 10 Outlets
GV2-10

Model Number 20 Outlets
GV2-20

General Specifications

Model GV2-10 / Model GV2-20
Number of outlet ports -
GV2-10 (10 outlets)
GV2-20 (20 outlets)
Outlet & Supply Ports – 10-32 thread
Air flow – 8.1 CFM at 100 psi to atmosphere
Detent – Spring loaded ball plunger
Rotation – left or right
Operating pressure range – 0 to 125 psi
Shut - off occurs between any two ports (18° from detent)

Materials

Body – Aluminum
Rotor – Steel
Port cap - Steel
Shaft – 3/8" diameter steel
Bearings – Ball
Seals – Standard Buna-N O-Ring

General valve Dimensions

GV2-10:
2-3/8" dia. x 1 7/16" long
Shaft extension – 1"
Mounting – Four 8/32" tapped holes on 1.950" bolt centers

GV2-20:
3 1/8" dia. x 1 7/16" long
Shaft extension – 1"
Mounting – Four 8/32" tapped holes on 2.700" bolt centers

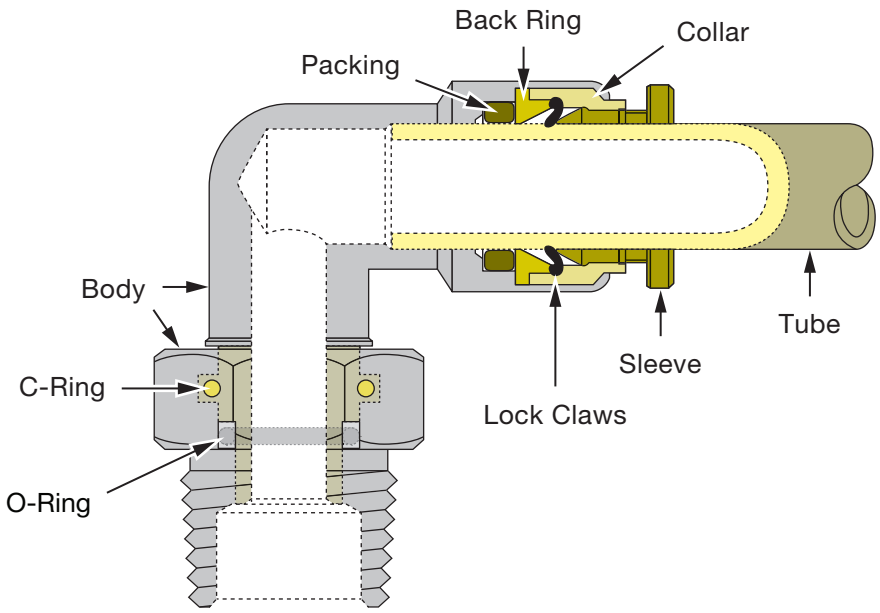
Servicing

One 9/64 hex wrench field strips valve for servicing.

Available Options

1. Basic valve (no actuator parts)
2. Basic valve with ratchet mechanism
3. Basic valve mounted to 3" x 8" aluminum base plate with ratchet mechanism and air cylinder
4. Basic valve with knob

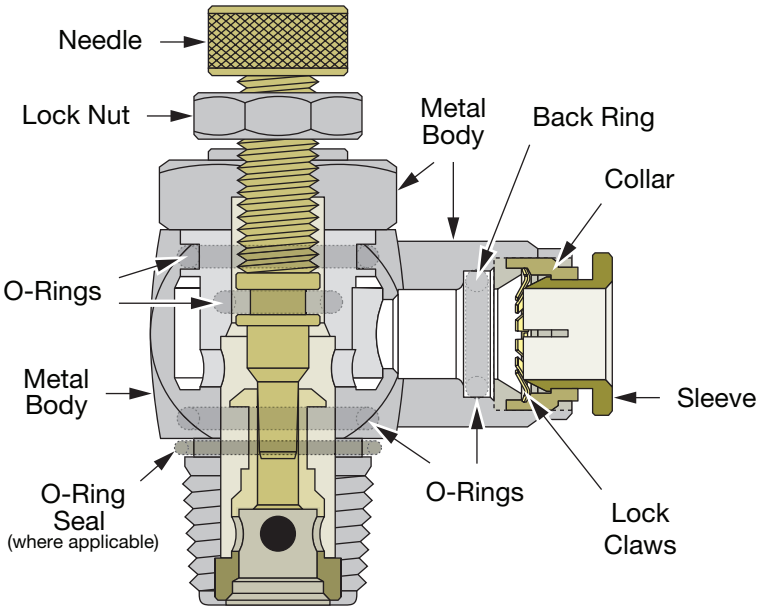
AISI 316L Stainless Steel Push - to - Connect Concept



X2

Specifications:

Operating Pressure Range ..... 0 ~ 290 PSI / 0 ~ 2 MpA
Operating Temperature..... 5 ~ 356°F / -15 to 180°C
Vacuum ..... 0 ~ 30" Hg (0 ~ 760 mm Hg)
Metal Body..... AISI 316L Stainless Steel
Release Button ..... AISI 316L Stainless Steel
Grip Ring or Collet ..... AISI 316L Stainless Steel
Bulkhead Mounting Nuts ..... AISI 316L Stainless Steel
Mounting Holes for "Y" Union ..... 5/32"



Recommended Tubing:

PU TUBE - Polyurethane Tubing
PE TUBE - Polyethylene Tubing
PA TUBE - Polyamide Tubing
PTFE TUBE - Polytetrafluoroetylene Tubing
PFA TUBE - Polyfluoroalkoxy Tubing

Additional Information:

Service:
Air • Liquid • Steam • Vacuum

O-Ring: FKM Viton
NBR & EPDM O-Rings are available upon request! Lead times and minimum quantities apply.

O-Ring seals are supplied as needed! Consult factory for details!

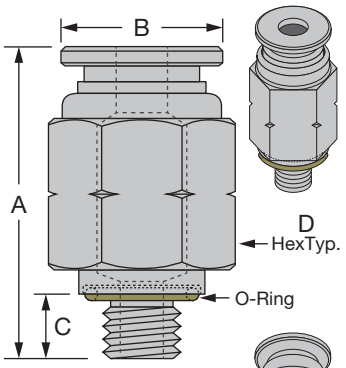
Speed / Flow Controls:

Speed / Flow Controls are 360° swivels.

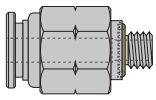
M5 .....8 turns
M6x1.....8 turns
1/8 NPT, BSPT, BSPP..... 11 turns
1/4 NPT, BSPT, BSPP..... 11 turns
3/8 NPT, BSPT, BSPP ..... 11 turns
1/2 NPT, BSPT, BSPP..... 14 turns

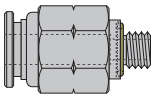
1029 Male Mini Thread Straight Push-to-Connect Fitting

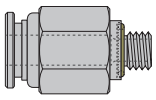
Tube O.D.	Thread Size	Part Numbers	Dimensions (Reference)			
		Mini Male Thread	A Ref.	B Ref.	C Ref.	D Hex Typ.
1/8	10-32	PTC1/8ODx10B	0.760	0.394	0.157	0.394 / 10mm
1/8	M5	PTC1/8ODxM5-B	0.760	0.394	0.157	0.394 / 10mm
1/8	M6x1	PTC1/8ODxM6x1-B	0.760	.0394	0.157	0.394 / 10mm
5/32	10-32	PTC5/32ODx10B	0.760	0.394	0.157	0.394 / 10mm
5/32	M5	PTC5/32ODxM5-B	0.760	0.394	0.157	0.394 / 10mm
5/32	M6x1	PTC5/32ODxM6x1-B	0.760	0.394	0.157	0.394 / 10mm

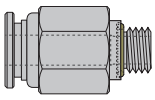


Supplied with FKM Viton O-Rings. Other O-Ring materials are listed on page 456!


PTC1/8ODx10B


PTC5/32ODx10B


PTC5/32ODxM5-B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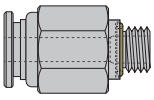
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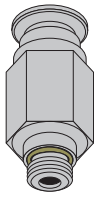

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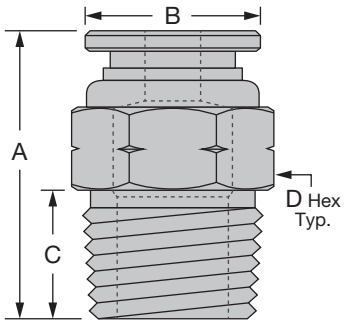
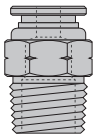
1030 Male NPT & BSPT Thread Straight Push-to-Connect Fitting

Tube O.D.	Thread Size	Part Numbers		Dimensions (Reference)			
		NPT Thread	BSPT Thread	A Ref.	B Ref.	C Ref.	D Hex Typ.
1/8	1/8	PTC1/8ODx1/8B	PTC1/8ODx1/8BSPT-B	0.661	0.394	0.295	0.394 / 10mm
1/8	1/4	PTC1/8ODx1/4B	PTC1/8ODx1/4BSPT-B	0.740	0.394	0.374	0.551 / 14mm
5/32	1/8	PTC5/32ODx1/8B	PTC5/32ODx1/8BSPT-B	0.661	0.394	0.295	0.394 / 10mm
5/32	1/4	PTC5/32ODx1/4B	PTC5/32ODx1/4BSPT-B	0.740	0.394	0.374	0.551 / 14mm
1/4	1/8	PTC1/4ODx1/8B	PTC1/4ODx1/8BSPT-B	0.760	0.472	0.295	0.472 / 12mm
1/4	1/4	PTC1/4ODx1/4B	PTC1/4ODx1/4BSPT-B	0.780	0.472	0.374	0.551 / 14mm
1/4	3/8	PTC1/4ODx3/8B	PTC1/4ODx3/8BSPT-B	0.827	0.472	0.413	0.669 / 17mm
5/16	1/8	PTC5/16ODx1/8B	PTC5/16ODx1/8BSPT-B	0.933	0.551	0.295	0.551 / 14mm
5/16	1/4	PTC5/16ODx1/4B	PTC5/16ODx1/4BSPT-B	0.874	0.551	0.374	0.551 / 14mm
5/16	3/8	PTC5/16ODx3/8B	PTC5/16ODx3/8BSPT-B	0.874	0.551	0.413	0.669 / 17mm
3/8	1/8	PTC3/8ODx1/8B	PTC3/8ODx1/8BSPT-B	1.043	0.669	0.295	0.669 / 17mm
3/8	1/4	PTC3/8ODx1/4B	PTC3/8ODx1/4BSPT-B	1.039	0.669	0.374	0.669 / 17mm
3/8	3/8	PTC3/8ODx3/8B	PTC3/8ODx3/8BSPT-B	0.902	0.669	0.413	0.669 / 17mm
3/8	1/2	PTC3/8ODx1/2B	PTC3/8ODx1/2BSPT-B	1.043	0.669	0.531	0.866 / 22mm
1/2	1/4	PTC1/2ODx1/4B	PTC1/2ODx1/4BSPT-B	1.197	0.787	0.374	0.787 / 20mm
1/2	3/8	PTC1/2ODx3/8B	PTC1/2ODx3/8BSPT-B	1.039	0.787	0.413	0.787 / 20mm
1/2	1/2	PTC1/2ODx1/2B	PTC1/2ODx1/2BSPT-B	1.039	0.787	0.531	0.866 / 22mm

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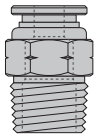
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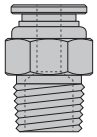
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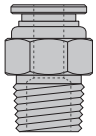
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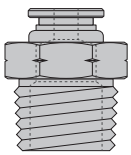
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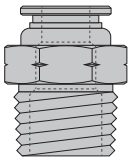
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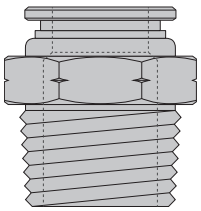
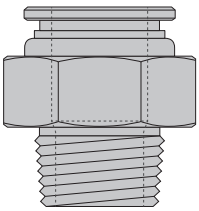
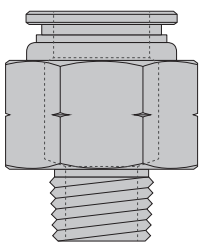

PTC1/2ODx 1/2B


PTC1/2ODx 3/8BSPT-B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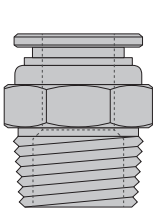
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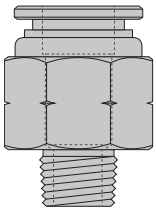
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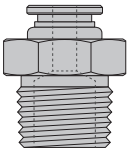
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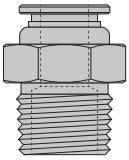
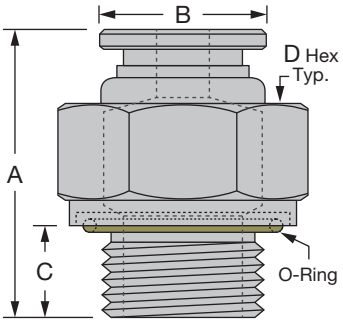
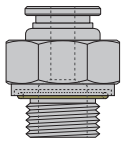
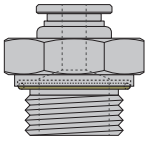

PTC1/4ODx 1/4BSPT-B

Male BSPP Thread Straight Push-to-Connect Fitting 1031




PTC1/8ODx 1/8BSPP-B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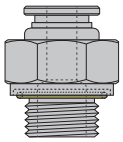
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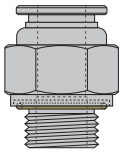
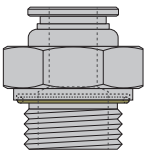

PTC1/4ODx 1/8BSPP-B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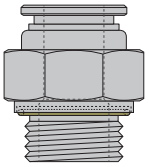
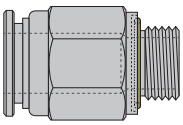
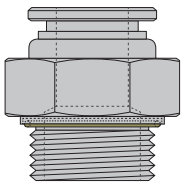
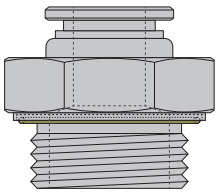
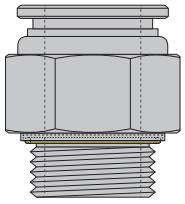

PTC5/16ODx 1/4BSPP-B

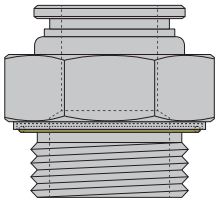

PTC5/16ODx 1/8BSPP-B

Tube O.D.	Thread Size	Part Numbers BSPP Thread	Dimensions (Reference) A Ref.	B Ref.	C Ref.	D Hex Typ.
1/8	1/8	PTC1/8ODx1/8BSPP-B	0.681	0.394	0.217	0.512 / 13mm
1/8	1/4	PTC1/8ODx1/4BSPP-B	0.681	0.394	0.256	0.630 / 16mm
5/32	1/8	PTC5/32ODx1/8BSPP-B	0.681	0.394	0.217	0.512 / 13mm
5/32	1/4	PTC5/32ODx1/4BSPP-B	0.681	0.394	0.256	0.630 / 16mm
1/4	1/8	PTC1/4ODx1/8BSPP-B	0.740	0.472	0.217	0.512 / 13mm
1/4	1/4	PTC1/4ODx1/4BSPP-B	0.740	0.472	0.256	0.630 / 16mm
1/4	3/8	PTC1/4ODx3/8BSPP-B	0.780	0.472	0.295	0.787 / 20mm
5/16	1/8	PTC5/16ODx1/8BSPP-B	0.913	0.551	0.217	0.551 / 14mm
5/16	1/4	PTC5/16ODx1/4BSPP-B	0.815	0.551	0.256	0.630 / 16mm
5/16	3/8	PTC5/16ODx3/8BSPP-B	0.814	0.551	0.295	0.787 / 20mm
3/8	1/8	PTC3/8ODx1/8BSPP-B	1.024	0.669	0.217	0.669 / 17mm
3/8	1/4	PTC3/8ODx1/4BSPP-B	1.039	0.669	0.256	0.669 / 17mm
3/8	3/8	PTC3/8ODx3/8BSPP-B	0.901	0.669	0.295	0.787 / 20mm
3/8	1/2	PTC3/8ODx1/2BSPP-B	0.945	0.669	0.354	0.945 / 24mm
1/2	1/4	PTC1/2ODx1/4BSPP-B	1.157	0.787	0.256	0.787 / 20mm
1/2	3/8	PTC1/2ODx3/8BSPP-B	1.000	0.787	0.295	0.787 / 20mm
1/2	1/2	PTC1/2ODx1/2BSPP-B	1.000	0.787	0.354	0.945 / 24mm

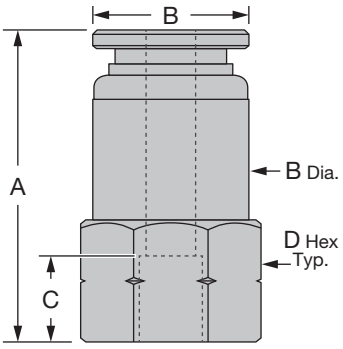

PTC3/8ODx3/8BSPP-B


PTC3/8ODx1/2BSPP-B

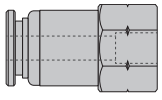

PTC1/2ODx3/8BSPP-B

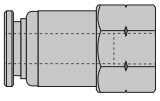

PTC1/2ODx1/2BSPP-B

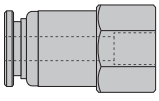
Female Mini Thread Straight Push-to-Connect Fitting 1032

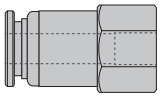


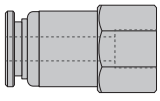
Tube O.D.	Thread Size	Part Numbers Mini Female Thread	Dimensions (Reference) A Ref.	B Ref.	C Ref.	D Hex Typ.
1/8	10-32	PTC1/8ODx10FB	0.787	0.394	0.217	0.394 / 10mm
1/8	M5	PTC1/8ODxM5-FB	0.787	0.394	0.217	0.394 / 10mm
1/8	M6x1	PTC1/8ODxM6x1-FB	0.787	.0394	0.217	0.394 / 10mm
5/32	10-32	PTC5/32ODx10FB	0.787	0.394	0.217	0.394 / 10mm
5/32	M5	PTC5/32ODxM5-FB	0.787	0.394	0.217	0.394 / 10mm
5/32	M6x1	PTC5/32ODxM6x1-FB	0.787	0.394	0.217	0.394 / 10mm

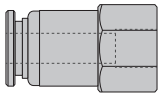

PTC1/8ODx10FB


PTC5/32ODx10FB


PTC1/8ODxM5-FB

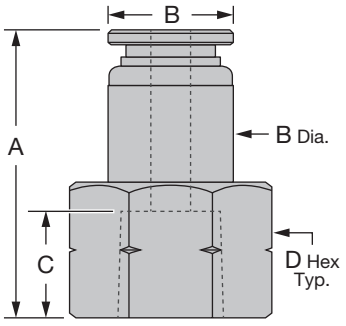

PTC5/32ODxM5-FB

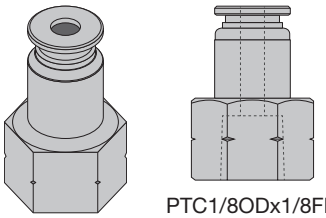

PTC1/8ODxM6x1-FB

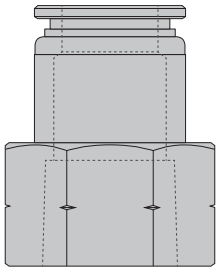

PTC5/32ODxM6x1-FB

1033 Female NPT, BSPT, & BSPP Thread Straight Push-to-Connect Fitting

Tube O.D.	Thread Size	Part Numbers			Dimensions (Reference)			
		NPT Thread	BSPT Thread	BSPP Thread	A Ref.	B Ref.	C Ref.	D Hex Typ.
1/8	1/8	PTC1/8ODx1/8FB	PTC1/8ODx 1/8BSPT-FB	PTC1/8ODx 1/8BSPP-FB	0.906	0.394	0.335	0.551 / 14mm
1/8	1/4	PTC1/8ODx1/4FB	PTC1/8ODx 1/4BSPT-FB	PTC1/8ODx 1/4BSPP-FB	1.004	0.394	0.433	0.669 / 17mm
5/32	1/8	PTC5/32ODx1/8FB	PTC5/32ODx 1/8BSPT-FB	PTC5/32ODx 1/8BSPP-FB	0.906	0.394	0.335	0.551 / 14mm
5/32	1/4	PTC5/32ODx1/4FB	PTC5/32ODx 1/4BSPT-FB	PTC5/32ODx 1/4BSPP-FB	1.004	0.394	0.433	0.669 / 17mm
1/4	1/8	PTC1/4ODx1/8FB	PTC1/4ODx 1/8BSPT-FB	PTC1/4ODx 1/8BSPP-FB	0.945	0.472	0.335	0.551 / 14mm
1/4	1/4	PTC1/4ODx1/4FB	PTC1/4ODx 1/4BSPT-FB	PTC1/4ODx 1/4BSPP-FB	1.043	0.472	0.433	0.669 / 17mm
1/4	3/8	PTC1/4ODx3/8FB	PTC1/4ODx 3/8BSPT-FB	PTC1/4ODx 3/8BSPP-FB	1.083	0.472	0.472	0.787 / 20mm
5/16	1/8	PTC5/16ODx1/8FB	PTC5/16ODx 1/8BSPT-FB	PTC5/16ODx 1/8BSPP-FB	0.984	0.551	0.335	0.551 / 14mm
5/16	1/4	PTC5/16ODx1/4FB	PTC5/16ODx 1/4BSPT-FB	PTC5/16ODx 1/4BSPP-FB	1.083	0.551	0.433	0.669 / 17mm
5/16	3/8	PTC5/16ODx3/8FB	PTC5/16ODx 3/8BSPT-FB	PTC5/16ODx 3/8BSPP-FB	1.122	0.551	0.472	0.787 / 20mm
3/8	1/8	PTC3/8ODx1/8FB	PTC3/8ODx 1/8BSPT-FB	PTC3/8ODx 1/8BSPP-FB	1.083	0.669	0.335	0.669 / 17mm
3/8	1/4	PTC3/8ODx1/4FB	PTC3/8ODx 1/4BSPT-FB	PTC3/8ODx 1/4BSPP-FB	1.181	0.669	0.433	0.669 / 17mm
3/8	3/8	PTC3/8ODx3/8FB	PTC3/8ODx 3/8BSPT-FB	PTC3/8ODx 3/8BSPP-FB	1.220	0.669	0.472	0.787 / 20mm
3/8	1/2	PTC3/8ODx1/2FB	PTC3/8ODx 1/2BSPT-FB	PTC3/8ODx 1/2BSPP-FB	1.299	0.669	0.551	0.945 / 24mm
1/2	1/4	PTC1/2ODx1/4FB	PTC1/2ODx 1/4BSPT-FB	PTC1/2ODx 1/4BSPP-FB	1.240	0.787	0.433	0.787 / 20mm
1/2	3/8	PTC1/2ODx3/8FB	PTC1/2ODx 3/8BSPT-FB	PTC1/2ODx 3/8BSPP-FB	1.280	0.787	0.472	0.787 / 20mm
1/2	1/2	PTC1/2ODx1/2FB	PTC1/2ODx 1/2BSPT-FB	PTC1/2ODx 1/2BSPP-FB	1.358	0.787	0.551	0.945 / 24mm




PTC1/8ODx1/8FB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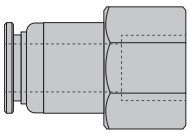
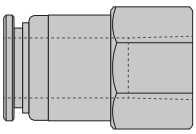
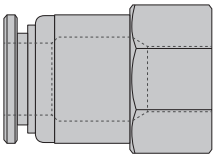
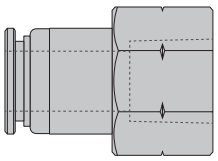
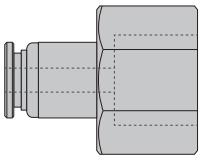

PTC1/4ODx 1/8BSPP-FB


PTC5/16ODx 1/8BSPT-FB


PTC3/8ODx1/8BSPP-FB


PTC5/16ODx1/4FB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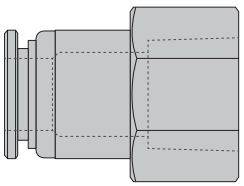
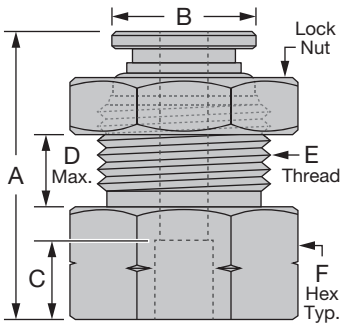
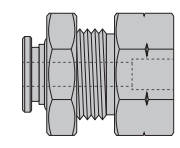

PTC3/8ODx3/8BSPT-FB

1034 Female Mini Thread Push-to-Connect Bulkhead

Tube O.D.	Female Thread Size	Part Numbers	Dimensions (Reference)					
		Mini Female Thread	A Ref.	B Ref.	C Ref.	D Max.	E Thread	F Hex Typ.
1/8	10-32	PTC1/8OD-BKx10F	0.787	0.394	0.217	.197	M12x1	0.551 / 14mm
1/8	M5	PTC1/8OD-BKxM5-F	0.787	0.394	0.217	.197	M12x1	0.551 / 14mm
1/8	M6x1	PTC1/8OD-BKxM6x1-F	0.787	.0394	0.217	.197	M12x1	0.551 / 14mm
5/32	10-32	PTC5/32OD-BKx10F	0.787	0.394	0.217	.197	M12x1	0.551 / 14mm
5/32	M5	PTC5/32OD-BKxM5-F	0.787	0.394	0.217	.197	M12x1	0.551 / 14mm
5/32	M6x1	PTC5/32OD-BKxM6x1-F	0.787	0.394	0.217	.197	M12x1	0.551 / 14mm



Supplied with M12x1 thread nut!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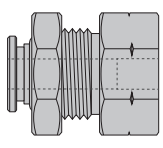
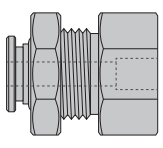
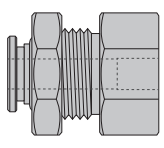
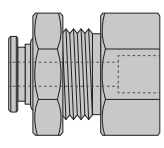
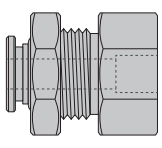

PTC5/32OD-BKx10F

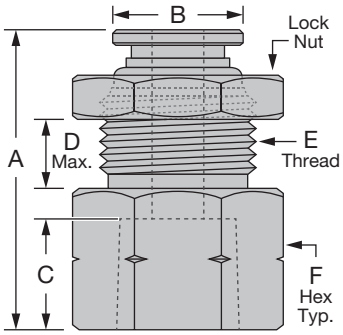

PTC1/8OD-BKxM5-F

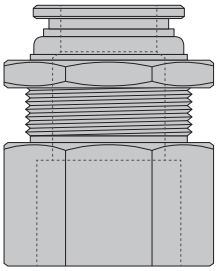

PTC5/32OD-BKxM5-F


PTC1/8OD-BKxM6x1-F

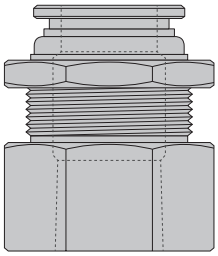

PTC5/32OD-BKxM6x1-F

Female NPT, BSPT, & BSPP Thread Push-to-Connect Bulkheads 1035



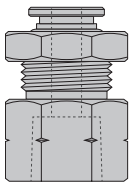


PTC1/2OD-BKx1/2BSPP-F

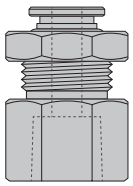


PTC1/2OD-BKx3/8BSPT-F

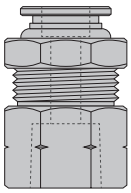
Tube O.D.	Female Thread Size	Part Numbers			Dimensions (Reference)					
		NPT Thread	BSPT Thread	BSPP Thread	A Ref.	B Ref.	C Ref.	D Max.	E Thread	F Hex Typ.
1/8	1/8	PTC1/8OD-BKx1/8F	PTC1/8OD-BKx1/8BSPT-F	PTC1/8OD-BKx1/8BSPP-F	0.906	0.394	0.335	0.197	M12x1	0.551 / 14mm
1/8	1/4	PTC1/8OD-BKx1/4F	PTC1/8OD-BKx1/4BSPT-F	PTC1/8OD-BKx1/4BSPP-F	1.004	0.394	0.433	0.197	M12x1	0.669 / 17mm
5/32	1/8	PTC5/32OD-BKx1/8F	PTC5/32OD-BKx1/8BSPT-F	PTC5/32OD-BKx1/8BSPP-F	0.906	0.394	0.335	0.197	M12x1	0.551 / 14mm
5/32	1/4	PTC5/32OD-BKx1/4F	PTC5/32OD-BKx1/4BSPT-F	PTC5/32OD-BKx1/4BSPP-F	1.004	0.394	0.433	0.197	M12x1	0.669 / 17mm
1/4	1/8	PTC1/4OD-BKx1/8F	PTC1/4OD-BKx1/8BSPT-F	PTC1/4OD-BKx1/8BSPP-F	0.945	0.472	0.335	0.197	M14x1	0.669 / 17mm
1/4	1/4	PTC1/4OD-BKx1/4F	PTC1/4OD-BKx1/4BSPT-F	PTC1/4OD-BKx1/4BSPP-F	1.043	0.472	0.433	0.197	M14x1	0.669 / 17mm
1/4	3/8	PTC1/4OD-BKx3/8F	PTC1/4OD-BKx3/8BSPT-F	PTC1/4OD-BKx3/8BSPP-F	1.083	0.472	0.472	0.197	M14x1	0.787 / 20mm
5/16	1/8	PTC5/16OD-BKx1/8F	PTC5/16OD-BKx1/8BSPT-F	PTC5/16OD-BKx1/8BSPP-F	0.984	0.551	0.335	0.236	M16x1	0.748 / 19mm
5/16	1/4	PTC5/16OD-BKx1/4F	PTC5/16OD-BKx1/4BSPT-F	PTC5/16OD-BKx1/4BSPP-F	1.083	0.551	0.433	0.236	M16x1	0.748 / 19mm
5/16	3/8	PTC5/16OD-BKx3/8F	PTC5/16OD-BKx3/8BSPT-F	PTC5/16OD-BKx3/8BSPP-F	1.122	0.551	0.472	0.236	M16x1	0.787 / 20mm
3/8	1/8	PTC3/8OD-BKx1/8F	PTC3/8OD-BKx1/8BSPT-F	PTC3/8OD-BKx1/8BSPP-F	1.083	0.669	0.335	0.315	M20x1	0.827 / 21mm
3/8	1/4	PTC3/8OD-BKx1/4F	PTC3/8OD-BKx1/4BSPT-F	PTC3/8OD-BKx1/4BSPP-F	1.181	0.669	0.433	0.315	M20x1	0.827 / 21mm
3/8	3/8	PTC3/8OD-BKx3/8F	PTC3/8OD-BKx3/8BSPT-F	PTC3/8OD-BKx3/8BSPP-F	1.220	0.669	0.472	0.315	M20x1	0.827 / 21mm
3/8	1/2	PTC3/8OD-BKx1/2F	PTC3/8OD-BKx1/2BSPT-F	PTC3/8OD-BKx1/2BSPP-F	1.299	0.669	0.551	0.315	M20x1	0.945 / 24mm
1/2	1/4	PTC1/2OD-BKx1/4F	PTC1/2OD-BKx1/4BSPT-F	PTC1/2OD-BKx1/4BSPP-F	1.240	0.787	0.433	0.315	M22x1	0.945 / 24mm
1/2	3/8	PTC1/2OD-BKx3/8F	PTC1/2OD-BKx3/8BSPT-F	PTC1/2OD-BKx3/8BSPP-F	1.280	0.787	0.472	0.315	M22x1	0.945 / 24mm
1/2	1/2	PTC1/2OD-BKx1/2F	PTC1/2OD-BKx1/2BSPT-F	PTC1/2OD-BKx1/2BSPP-F	1.358	0.787	0.551	0.315	M22x1	0.945 / 24mm



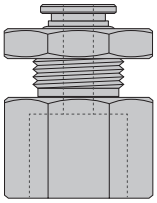
PTC1/8OD-BKx1/8F



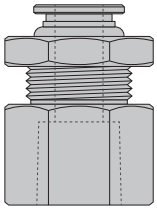
PTC5/32OD-BKx1/8BSPT-F



PTC1/4OD-BKx1/8F



PTC5/32OD-BKx1/4BSPP-F



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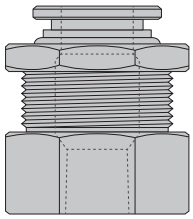
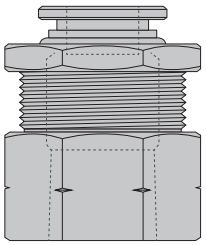
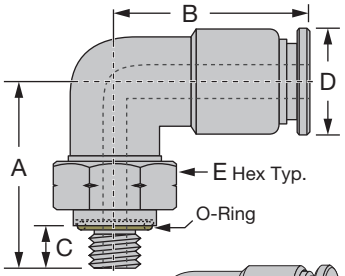


PTC3/8OD-BKx1/8BSPT-F

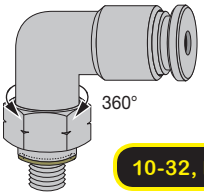


PTC3/8OD-BKx3/8-F

Male Mini Thread Push-to-Connect Swivel Elbows 1036



Push-to-Connect Elbows swivel 360°!

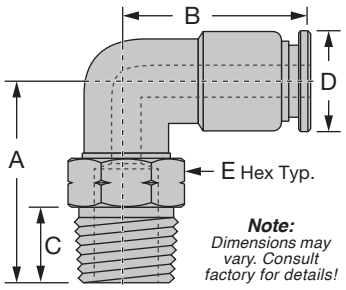


Tube O.D.	Thread Size	Part Numbers	Dimensions (Reference)				
		Mini Male Thread	A Ref.	B Ref.	C Ref.	D Ref.	E Hex Typ.
1/8	10-32	PTC1/8OD-SW-LBx10M	0.689	0.720	0.157	0.394	0.394 / 10mm
1/8	M5	PTC1/8OD-SW-LBxM5-M	0.689	0.720	0.157	0.394	0.394 / 10mm
1/8	M6x1	PTC1/8OD-SW-LBxM6x1-M	0.689	0.720	0.157	0.394	0.394 / 10mm
5/32	10-32	PTC5/32OD-SW-LBx10M	0.689	0.720	0.157	0.394	0.394 / 10mm
5/32	M5	PTC5/32OD-SW-LBxM5-M	0.689	0.720	0.157	0.394	0.394 / 10mm
5/32	M6x1	PTC5/32OD-SW-LBxM6x1-M	0.689	0.720	0.157	0.394	0.394 / 10mm

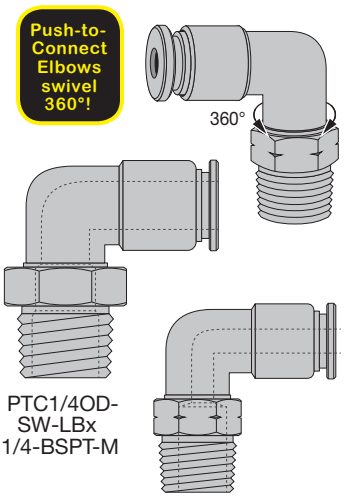
10-32, M5, and M6 male threads are supplied with FKM Viton O-Rings! Other options are listed on page 65!

1037 Male NPT & BSPT Thread Push-to-Connect Swivel Elbows

Tube O.D.	Thread Size	Part Numbers		Dimensions (Reference)				
		NPT Thread	BSPT Thread	A Ref.	B Ref.	C Ref.	D Ref.	E Hex Typ.
1/8	1/8	PTC1/8OD-SW-LBx1/8M	PTC1/8OD-SW-LBx1/8BSPT-M	0.787	0.720	0.295	0.394	0.394 / 10mm
1/8	1/4	PTC1/8OD-SW-LBx1/4M	PTC1/8OD-SW-LBx1/4BSPT-M	0.886	0.720	0.374	0.394	0.551 / 14mm
5/32	1/8	PTC5/32OD-SW-LBx1/8M	PTC5/32OD-SW-LBx1/8BSPT-M	0.787	0.720	0.295	0.394	0.394 / 10mm
5/32	1/4	PTC5/32OD-SW-LBx1/4M	PTC5/32OD-SW-LBx1/4BSPT-M	0.886	0.720	0.374	0.394	0.551 / 14mm
1/4	1/8	PTC1/4OD-SW-LBx1/8M	PTC1/4OD-SW-LBx1/8BSPT-M	0.906	0.799	0.295	0.472	0.472 / 12mm
1/4	1/4	PTC1/4OD-SW-LBx1/4M	PTC1/4OD-SW-LBx1/4BSPT-M	0.906	0.799	0.374	0.472	0.551 / 14mm
1/4	3/8	PTC1/4OD-SW-LBx3/8M	PTC1/4OD-SW-LBx3/8BSPT-M	1.024	0.799	0.413	0.472	0.669 / 17mm
5/16	1/8	PTC5/16OD-SW-LBx1/8M	PTC5/16OD-SW-LBx1/8BSPT-M	0.925	0.878	0.295	0.551	0.472 / 12mm
5/16	1/4	PTC5/16OD-SW-LBx1/4M	PTC5/16OD-SW-LBx1/4BSPT-M	0.925	0.878	0.374	0.551	0.551 / 14mm
5/16	3/8	PTC5/16OD-SW-LBx3/8M	PTC5/16OD-SW-LBx3/8BSPT-M	1.043	0.878	0.413	0.551	0.669 / 17mm
3/8	1/8	PTC3/8OD-SW-LBx1/8M	PTC3/8OD-SW-LBx1/8BSPT-M	1.220	1.039	0.295	0.669	0.669 / 17mm
3/8	1/4	PTC3/8OD-SW-LBx1/4M	PTC3/8OD-SW-LBx1/4BSPT-M	1.299	1.039	0.374	0.669	0.669 / 17mm
3/8	3/8	PTC3/8OD-SW-LBx3/8M	PTC3/8OD-SW-LBx3/8BSPT-M	1.181	1.039	0.413	0.669	0.669 / 17mm
3/8	1/2	PTC3/8OD-SW-LBx1/2M	PTC3/8OD-SW-LBx1/2BSPT-M	1.260	1.039	0.531	0.669	0.866 / 22mm
1/2	1/4	PTC1/2OD-SW-LBx1/4M	PTC1/2OD-SW-LBx1/4BSPT-M	1.358	1.157	0.374	0.787	0.669 / 17mm
1/2	3/8	PTC1/2OD-SW-LBx3/8M	PTC1/2OD-SW-LBx3/8BSPT-M	1.240	1.157	0.413	0.787	0.669 / 17mm
1/2	1/2	PTC1/2OD-SW-LBx1/2M	PTC1/2OD-SW-LBx1/2BSPT-M	1.319	1.157	0.531	0.787	0.866 / 22mm



Note: *Dimensions may vary. Consult factory for details!*

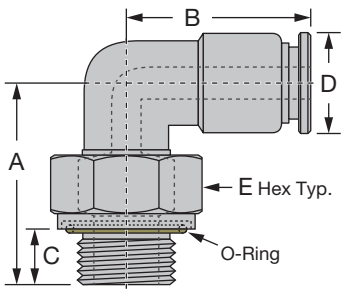


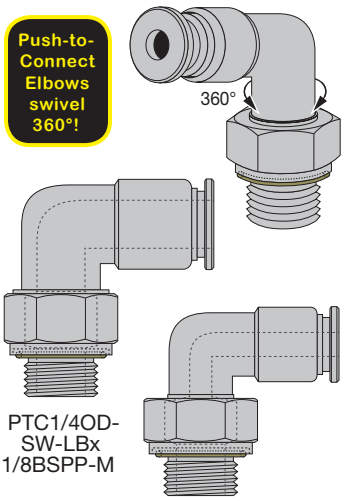
PTC1/8OD-SW-LBx1/8M

X2

1038 Male BSPP Thread Push-to-Connect Swivel Elbows

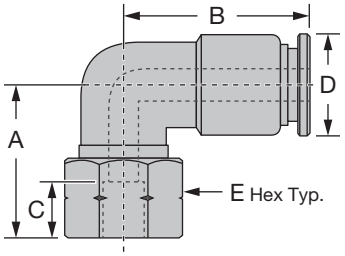
Tube O.D.	Thread Size	Part Numbers	Dimensions (Reference)				
		BSPP Thread	A Ref.	B Ref.	C Ref.	D Ref.	E. Hex Typ.
1/8	1/8	PTC1/8OD-SW-LBx1/8BSPP-M	0.787	0.720	0.217	0.394	0.512 / 13mm
1/8	1/4	PTC1/8OD-SW-LBx1/4BSPP-M	0.886	0.720	0.256	0.394	0.630 / 16mm
5/32	1/8	PTC5/32OD-SW-LBx1/8BSPP-M	0.787	0.720	0.217	0.394	0.512 / 13mm
5/32	1/4	PTC5/32OD-SW-LBx1/4BSPP-M	0.886	0.720	0.256	0.394	0.630 / 16mm
1/4	1/8	PTC1/4OD-SW-LBx1/8BSPP-M	0.906	0.799	0.217	0.472	0.512 / 13mm
1/4	1/4	PTC1/4OD-SW-LBx1/4BSPP-M	0.906	0.799	0.256	0.472	0.630 / 16mm
1/4	3/8	PTC1/4OD-SW-LBx3/8BSPP-M	1.024	0.799	0.295	0.472	0.787 / 20mm
5/16	1/8	PTC5/16OD-SW-LBx1/8BSPP-M	0.925	0.878	0.217	0.551	0.551 / 14mm
5/16	1/4	PTC5/16OD-SW-LBx1/4BSPP-M	0.925	0.878	0.256	0.551	0.630 / 16mm
5/16	3/8	PTC5/16OD-SW-LBx3/8BSPP-M	1.043	0.878	0.295	0.551	0.787 / 20mm
3/8	1/8	PTC3/8OD-SW-LBx1/8BSPP-M	1.220	1.039	0.217	0.669	0.669 / 17mm
3/8	1/4	PTC3/8OD-SW-LBx1/4BSPP-M	1.299	1.039	0.256	0.669	0.669 / 17mm
3/8	3/8	PTC3/8OD-SW-LBx3/8BSPP-M	1.181	1.039	0.295	0.669	0.787 / 20mm
3/8	1/2	PTC3/8OD-SW-LBx1/2BSPP-M	1.260	1.039	0.354	0.669	0.945 / 24mm
1/2	1/4	PTC1/2OD-SW-LBx1/4BSPP-M	1.358	1.157	0.256	0.787	0.787 / 20mm
1/2	3/8	PTC1/2OD-SW-LBx3/8BSPP-M	1.240	1.157	0.295	0.787	0.787 / 20mm
1/2	1/2	PTC1/2OD-SW-LBx1/2BSPP-M	1.319	1.157	0.354	0.787	0.945 / 24mm

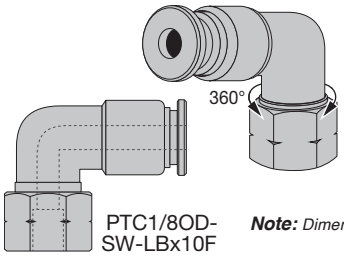




PTC1/8OD-SW-LBx1/8BSPP-M

Female Mini Thread Push-to-Connect Swivel Elbows 1039





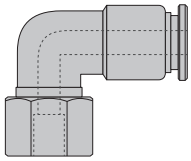
PTC1/8OD-SW-LBx10F

Tube O.D.	Thread Size	Part Numbers	Dimensions (Reference)				
		Mini Male Thread	A Ref.	B Ref.	C Ref.	D Ref.	E Hex Typ.
1/8	10-32	PTC1/8OD-SW-LBx10F	0.591	0.720	0.157	0.394	0.394 / 10mm
1/8	M5	PTC1/8OD-SW-LBxM5-F	0.591	0.720	0.157	0.394	0.394 / 10mm
1/8	M6x1	PTC1/8OD-SW-LBxM6x1-F	0.591	0.720	0.157	0.394	0.394 / 10mm
5/32	10-32	PTC5/32OD-SW-LBx10F	0.591	0.720	0.157	0.394	0.394 / 10mm
5/32	M5	PTC5/32OD-SW-LBxM5-F	0.591	0.720	0.157	0.394	0.394 / 10mm
5/32	M6x1	PTC5/32OD-SW-LBxM6x1-F	0.591	0.720	0.157	0.394	0.394 / 10mm

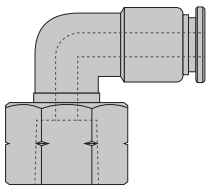
X2

Female Thread Push-to-Connect Swivel Elbows have branches that rotate 360°!

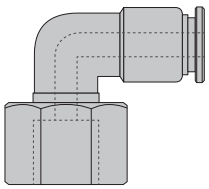
Note: *Dimensions may vary. Consult factory for details!*



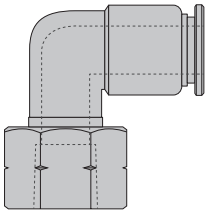
PTC1/8OD-SW-LBx5M-F



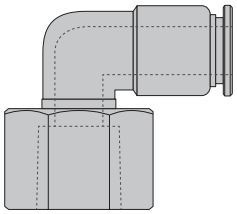
PTC1/8OD-SW-LBx1/8F



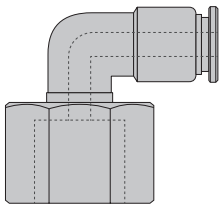
PTC1/8OD-SW-LBx1/8BSPP-F



PTC1/4OD-SW-LBx1/8F

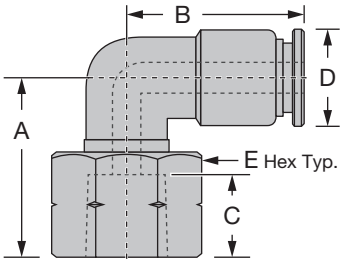


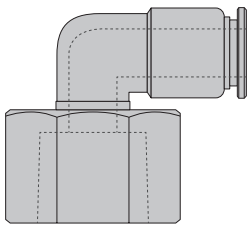
PTC1/4ODxSW-LB-1/4BSPT-F



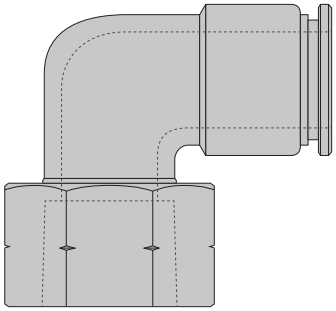
PTC1/8ODxSW-LB-1/4BSPT-F

Female NPT, BSPT, & BSPP Thread Push-to-Connect Swivel Elbows 1040





PTC1/4ODxSW-LB-3/8BSPT-F

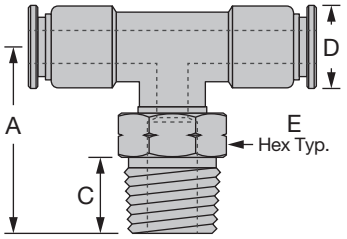


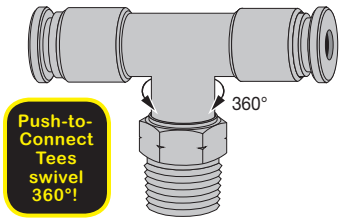
PTC1/2OD-SW-LBx1/2F

Tube O.D.	Thread Size	Part Numbers			Dimensions (Reference)				
		NPT Thread	BSPT Thread	BSPP Thread	A Ref.	B Ref.	C Ref.	D Ref.	E Hex Typ.
1/8	1/8	PTC1/8OD-SW-LBx1/8F	PTC1/8OD-SW-LBx1/8BSPT-F	PTC1/8OD-SW-LBx1/8BSPP-F	0.728	0.720	0.335	0.394	0.551 / 14mm
1/8	1/4	PTC1/8OD-SW-LBx1/4F	PTC1/8OD-SW-LBx1/4BSPT-F	PTC1/8OD-SW-LBx1/4BSPP-F	0.827	0.720	0.433	0.394	0.669 / 17mm
5/32	1/8	PTC5/32OD-SW-LBx1/8F	PTC5/32OD-SW-LBx 1/8BSPT-F	PTC5/32OD-SW-LBx1/8BSPP-F	0.728	0.720	0.335	0.394	0.551 / 14mm
5/32	1/4	PTC5/32OD-SW-LBx1/4F	PTC5/32OD-SW-LBx 1/4BSPT-F	PTC5/32OD-SW-LBx1/4BSPP-F	0.827	0.720	0.433	0.394	0.669 / 17mm
1/4	1/8	PTC1/4OD-SW-LBx1/8F	PTC1/4OD-SW-LBx1/8BSPT-F	PTC1/4OD-SW-LBx1/8BSPP-F	0.728	0.799	0.335	0.472	0.551 / 14mm
1/4	1/4	PTC1/4OD-SW-LBx1/4F	PTC1/4OD-SW-LBx1/4BSPT-F	PTC1/4OD-SW-LBx1/4BSPP-F	0.827	0.799	0.433	0.472	0.669 / 17mm
1/4	3/8	PTC1/4OD-SW-LBx3/8F	PTC1/4OD-SW-LBx3/8BSPT-F	PTC1/4OD-SW-LBx3/8BSPP-F	0.886	0.799	0.472	0.472	0.787 / 20mm
5/16	1/8	PTC5/16OD-SW-LBx1/8F	PTC5/16OD-SW-LBx1/8BSPT-F	PTC5/16OD-SW-LBx1/8BSPP-F	0.748	0.878	0.335	0.551	0.551 / 14mm
5/16	1/4	PTC5/16OD-SW-LBx1/4F	PTC5/16OD-SW-LBx1/4BSPT-F	PTC5/16OD-SW-LBx1/4BSPP-F	0.866	0.878	0.433	0.551	0.669 / 17mm
5/16	3/8	PTC5/16OD-SW-LBx3/8F	PTC5/16OD-SW-LBx3/8BSPT-F	PTC5/16OD-SW-LBx3/8BSPP-F	0.906	0.878	0.472	0.551	0.787 / 20mm
3/8	1/8	PTC3/8OD-SW-LBx1/8F	PTC3/8OD-SW-LBx1/8BSPT-F	PTC3/8OD-SW-LBx1/8BSPP-F	0.886	1.039	0.335	0.669	0.669 / 17mm
3/8	1/4	PTC3/8OD-SW-LBx1/4F	PTC3/8OD-SW-LBx1/4BSPT-F	PTC3/8OD-SW-LBx1/4BSPP-F	0.984	1.039	0.433	0.669	0.669 / 17mm
3/8	3/8	PTC3/8OD-SW-LBx3/8F	PTC3/8OD-SW-LBx3/8BSPT-F	PTC3/8OD-SW-LBx3/8BSPP-F	1.043	1.039	0.472	0.669	0.787 / 20mm
3/8	1/2	PTC3/8OD-SW-LBx1/2F	PTC3/8OD-SW-LBx1/2BSPT-F	PTC3/8OD-SW-LBx1/2BSPP-F	1.122	1.039	0.551	0.669	0.945 / 24mm
1/2	1/4	PTC1/2OD-SW-LBx1/4F	PTC1/2OD-SW-LBx1/4BSPT-F	PTC1/2OD-SW-LBx1/4BSPP-F	1.043	1.157	0.433	0.787	0.669 / 17mm
1/2	3/8	PTC1/2OD-SW-LBx3/8F	PTC1/2OD-SW-LBx3/8BSPT-F	PTC1/2OD-SW-LBx3/8BSPP-F	1.102	1.157	0.472	0.787	0.787 / 20mm
1/2	1/2	PTC1/2OD-SW-LBx1/2F	PTC1/2OD-SW-LBx1/2BSPT-F	PTC1/2OD-SW-LBx1/2BSPP-F	1.181	1.157	0.551	0.787	0.945 / 24mm

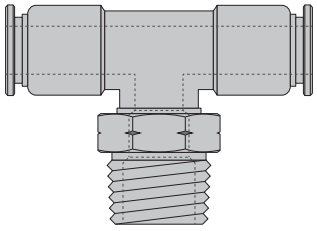
1041 Male NPT & BSPT Thread Push-to-Connect Swivel Tees

Tube O.D.	Thread Size	Part Numbers		Dimensions (Reference)				
		NPT Thread	BSPT Thread	A Ref.	B Ref.	C Ref.	D Ref.	E Hex Typ.
5/32	1/8	PTC5/32OD-SW-Tx1/8M	PTC5/32OD-SW-Tx1/8BSPT-M	0.787	1.441	0.295	0.394	0.394 / 10mm
5/32	1/4	PTC5/32OD-SW-Tx1/4M	PTC5/32OD-SW-Tx1/4BSPT-M	0.886	1.441	0.374	0.394	0.551 / 14mm
1/4	1/8	PTC1/4OD-SW-Tx1/8M	PTC1/4OD-SW-Tx1/8BSPT-M	0.906	1.598	0.295	0.472	0.472 / 12mm
1/4	1/4	PTC1/4OD-SW-Tx1/4M	PTC1/4OD-SW-Tx1/4BSPT-M	0.906	1.598	0.374	0.472	0.551 / 14mm
1/4	3/8	PTC1/4OD-SW-Tx3/8M	PTC1/4OD-SW-Tx3/8BSPT-M	1.024	1.598	0.413	0.472	0.669 / 17mm
5/16	1/8	PTC5/16OD-SW-Tx1/8M	PTC5/16OD-SW-Tx1/8BSPT-M	0.925	1.756	0.295	0.551	0.472 / 12mm
5/16	1/4	PTC5/16OD-SW-Tx1/4M	PTC5/16OD-SW-Tx1/4BSPT-M	0.925	1.756	0.374	0.551	0.551 / 14mm
5/16	3/8	PTC5/16OD-SW-Tx3/8M	PTC5/16OD-SW-Tx3/8BSPT-M	1.043	1.756	0.413	0.551	0.669 / 17mm
3/8	1/8	PTC3/8OD-SW-Tx1/8M	PTC3/8OD-SW-Tx1/8BSPT-M	1.220	2.079	0.295	0.669	0.669 / 17mm
3/8	1/4	PTC3/8OD-SW-Tx1/4M	PTC3/8OD-SW-Tx1/4BSPT-M	1.299	2.079	0.374	0.669	0.669 / 17mm
3/8	3/8	PTC3/8OD-SW-Tx3/8M	PTC3/8OD-SW-Tx3/8BSPT-M	1.181	2.079	0.413	0.669	0.669 / 17mm
3/8	1/2	PTC3/8OD-SW-Tx1/2M	PTC3/8OD-SW-Tx1/2BSPT-M	1.260	2.079	0.531	0.669	0.866 / 22mm
1/2	1/4	PTC1/2OD-SW-Tx1/4M	PTC1/2OD-SW-Tx1/4BSPT-M	1.358	2.315	0.374	0.787	0.669 / 17mm
1/2	3/8	PTC1/2OD-SW-Tx3/8M	PTC1/2OD-SW-Tx3/8BSPT-M	1.240	2.315	0.413	0.787	0.669 / 17mm
1/2	1/2	PTC1/2OD-SW-Tx1/2M	PTC1/2OD-SW-Tx1/2BSPT-M	1.319	2.315	0.531	0.787	0.866 / 22mm





Push-to-Connect Tees swivel 360°!

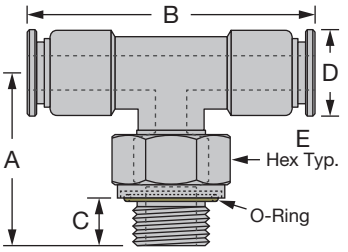


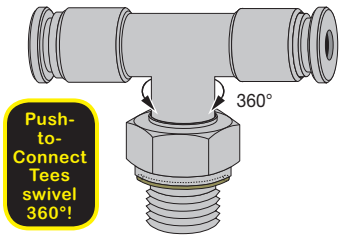
PTC1/4OD-SW-Tx1/4M

X2

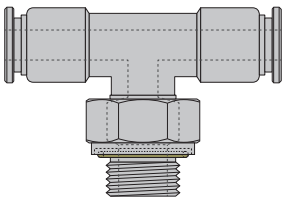
1042 Male BSPP Thread Push-to-Connect Swivel Tees

Tube O.D.	Thread Size	Part Numbers	Dimensions (Reference)				
		BSPP Thread	A Ref.	B Ref.	C Ref.	D Ref.	E Hex Typ.
5/32	1/8	PTC5/32OD-SW-Tx1/8BSPP-M	0.787	1.441	0.217	0.394	0.512 / 13mm
5/32	1/4	PTC5/32OD-SW-Tx1/4BSPP-M	0.886	1.441	0.256	0.394	0.630 / 16mm
1/4	1/8	PTC1/4OD-SW-Tx1/8BSPP-M	0.906	1.598	0.217	0.472	0.512 / 13mm
1/4	1/4	PTC1/4OD-SW-Tx1/4BSPP-M	0.906	1.598	0.256	0.472	0.630 / 16mm
1/4	3/8	PTC1/4OD-SW-Tx3/8BSPP-M	1.024	1.598	0.295	0.472	0.787 / 20mm
5/16	1/8	PTC5/16OD-SW-Tx1/8BSPP-M	0.925	1.756	0.217	0.551	0.551 / 14mm
5/16	1/4	PTC5/16OD-SW-Tx1/4BSPP-M	0.925	1.756	0.256	0.551	0.630 / 16mm
5/16	3/8	PTC5/16OD-SW-Tx3/8BSPP-M	1.043	1.756	0.295	0.551	0.787 / 20mm
3/8	1/8	PTC3/8OD-SW-Tx1/8BSPP-M	1.220	2.079	0.217	0.669	0.669 / 17mm
3/8	1/4	PTC3/8OD-SW-Tx1/4BSPP-M	1.299	2.079	0.256	0.669	0.669 / 17mm
3/8	3/8	PTC3/8OD-SW-Tx3/8BSPP-M	1.181	2.079	0.295	0.669	0.787 / 20mm
3/8	1/2	PTC3/8OD-SW-Tx1/2BSPP-M	1.260	2.079	0.354	0.669	0.945 / 24mm
1/2	1/4	PTC1/2OD-SW-Tx1/4BSPP-M	1.358	2.315	0.256	0.787	0.787 / 20mm
1/2	3/8	PTC1/2OD-SW-Tx3/8BSPP-M	1.240	2.315	0.295	0.787	0.787 / 20mm
1/2	1/2	PTC1/2OD-SW-Tx1/2BSPP-M	1.319	2.315	0.354	0.787	0.945 / 24mm





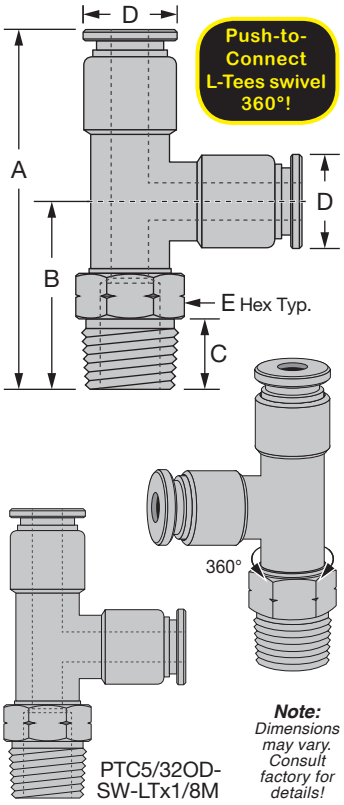
Push-to-Connect Tees swivel 360°!



PTC5/32OD-SW-Tx1/8BSPP-M

BSPP Thread Push-to-Connect Flow Control Valves are supplied with FKM Viton O-Rings. Other materials are listed on page 456!

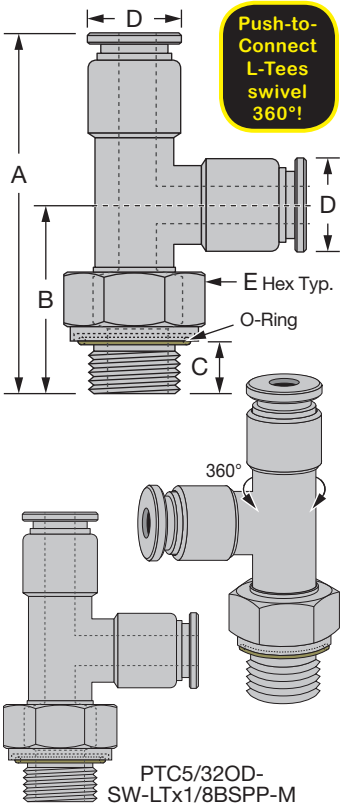
Male NPT & BSPT Thread Push-to-Connect Swivel L-Tees 1043



Note: *Dimensions may vary. Consult factory for details!*

Tube O.D.	Thread Size	Part Numbers		Dimensions (Reference)				
		NPT Thread	BSPT Thread	A Ref.	B Ref.	C Ref.	D Ref.	E Hex Typ.
5/32	1/8	PTC5/32OD-SW-LTx1/8M	PTC5/32OD-SW-LTx1/8BSPT-M	1.508	0.787	0.295	0.394	0.394 / 10mm
5/32	1/4	PTC5/32OD-SW-LTx1/4M	PTC5/32OD-SW-LTx1/4BSPT-M	1.606	0.886	0.374	0.394	0.551 / 14mm
1/4	1/8	PTC1/4OD-SW-LTx1/8M	PTC1/4OD-SW-LTx1/8BSPT-M	1.705	0.906	0.295	0.472	0.472 / 12mm
1/4	1/4	PTC1/4OD-SW-LTx1/4M	PTC1/4OD-SW-LTx1/4BSPT-M	1.705	0.906	0.374	0.472	0.551 / 14mm
1/4	3/8	PTC1/4OD-SW-LTx3/8M	PTC1/4OD-SW-LTx3/8BSPT-M	1.823	1.024	0.413	0.472	0.669 / 17mm
5/16	1/8	PTC5/16OD-SW-LTx1/8M	PTC5/16OD-SW-LTx1/8BSPT-M	1.803	0.925	0.295	0.551	0.472 / 12mm
5/16	1/4	PTC5/16OD-SW-LTx1/4M	PTC5/16OD-SW-LTx1/4BSPT-M	1.803	0.925	0.374	0.551	0.551 / 14mm
5/16	3/8	PTC5/16OD-SW-LTx3/8M	PTC5/16OD-SW-LTx3/8BSPT-M	1.921	1.043	0.413	0.551	0.669 / 17mm
3/8	1/8	PTC3/8OD-SW-LTx1/8M	PTC3/8OD-SW-LTx1/8BSPT-M	2.260	1.220	0.295	0.669	0.669 / 17mm
3/8	1/4	PTC3/8OD-SW-LTx1/4M	PTC3/8OD-SW-LTx1/4BSPT-M	2.339	1.299	0.374	0.669	0.669 / 17mm
3/8	3/8	PTC3/8OD-SW-LTx3/8M	PTC3/8OD-SW-LTx3/8BSPT-M	2.220	1.181	0.413	0.669	0.669 / 17mm
3/8	1/2	PTC3/8OD-SW-LTx1/2M	PTC3/8OD-SW-LTx1/2BSPT-M	2.299	1.260	0.531	0.669	0.866 / 22mm
1/2	1/4	PTC1/2OD-SW-LTx1/4M	PTC1/2OD-SW-LTx1/4BSPT-M	2.516	1.358	0.374	0.787	0.669 / 17mm
1/2	3/8	PTC1/2OD-SW-LTx3/8M	PTC1/2OD-SW-LTx3/8BSPT-M	2.398	1.240	0.413	0.787	0.669 / 17mm
1/2	1/2	PTC1/2OD-SW-LTx1/2M	PTC1/2OD-SW-LTx1/2BSPT-M	2.476	1.319	0.531	0.787	0.866 / 22mm

Male BSPP Thread Push-to-Connect Swivel L-Tees 1044

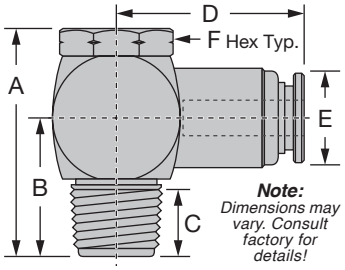


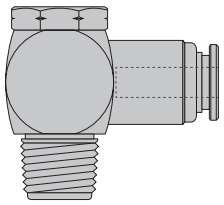
Tube O.D.	Thread Size	Part Numbers	Dimensions (Reference)				
		BSPP Thread	A Ref.	B Ref.	C Ref.	D Ref.	E Hex Typ.
5/32	1/8	PTC5/32OD-SW-LTx1/8BSPP-M	1.508	0.787	0.217	0.394	0.512 / 13mm
5/32	1/4	PTC5/32OD-SW-LTx1/4BSPP-M	1.606	0.886	0.256	0.394	0.630 / 16mm
1/4	1/8	PTC1/4OD-SW-LTx1/8BSPP-M	1.705	0.906	0.217	0.472	0.512 / 13mm
1/4	1/4	PTC1/4OD-SW-LTx1/4BSPP-M	1.705	0.906	0.256	0.472	0.630 / 16mm
1/4	3/8	PTC1/4OD-SW-LTx3/8BSPP-M	1.823	1.024	0.295	0.472	0.787 / 20mm
5/16	1/8	PTC5/16OD-SW-LTx1/8BSPP-M	1.803	0.925	0.217	0.551	0.551 / 14mm
5/16	1/4	PTC5/16OD-SW-LTx1/4BSPP-M	1.803	0.925	0.256	0.551	0.630 / 16mm
5/16	3/8	PTC5/16OD-SW-LTx3/8BSPP-M	1.921	1.043	0.295	0.551	0.787 / 20mm
3/8	1/8	PTC3/8OD-SW-LTx1/8BSPP-M	2.260	1.220	0.217	0.669	0.669 / 17mm
3/8	1/4	PTC3/8OD-SW-LTx1/4BSPP-M	2.339	1.299	0.256	0.669	0.669 / 17mm
3/8	3/8	PTC3/8OD-SW-LTx3/8BSPP-M	2.220	1.181	0.295	0.669	0.787 / 20mm
3/8	1/2	PTC3/8OD-SW-LTx1/2BSPP-M	2.299	1.260	0.354	0.669	0.945 / 24mm
1/2	1/4	PTC1/2OD-SW-LTx1/4BSPP-M	2.516	1.358	0.256	0.787	0.787 / 20mm
1/2	3/8	PTC1/2OD-SW-LTx3/8BSPP-M	2.398	1.240	0.295	0.787	0.787 / 20mm
1/2	1/2	PTC1/2OD-SW-LTx1/2BSPP-M	2.476	1.319	0.354	0.787	0.945 / 24mm

BSPP Thread Push-to-Connect Flow Control Valves are supplied with FKM Viton O-Rings. Other materials are listed on page 456!

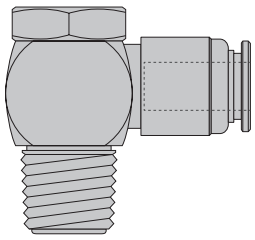
1045 Male NPT & BSPT Thread Push-to-Connect Adjustable Elbows

Tube O.D.	Thread Size	Part Numbers		Dimensions (Reference)					
		NPT Thread	BSPT Thread	A Max	B Ref.	C Ref.	D Ref.	E Ref.	F Hex Typ.
5/32	1/8	PTC5/32ODx 1/8ALB	PTC5/32ODx 1/8BSPT-ALB	1.004	0.610	0.295	0.827	0.413	0.433 / 11mm
5/32	1/4	PTC5/32ODx 1/4ALB	PTC5/32ODx 1/4BSPT-ALB	1.181	0.768	0.413	0.925	0.413	0.591 / 15mm
1/4	1/8	PTC1/4ODx 1/8ALB	PTC1/4ODx 1/8BSPT-ALB	1.004	0.610	0.295	0.846	0.492	0.433 / 11mm
1/4	1/4	PTC1/4ODx 1/4ALB	PTC1/4ODx 1/4BSPT-ALB	1.181	0.768	0.413	0.945	0.512	0.591 / 15mm
1/4	3/8	PTC1/4ODx 3/8ALB	PTC1/4ODx 3/8BSPT-ALB	1.476	0.906	0.472	0.984	0.512	0.709 / 18mm
5/16	1/8	PTC5/16ODx 1/8ALB	PTC5/16ODx 1/8BSPT-ALB	1.004	0.630	0.295	0.886	0.543	0.433 / 11mm
5/16	1/4	PTC5/16ODx 1/4ALB	PTC5/16ODx 1/4BSPT-ALB	1.181	0.768	0.413	0.965	0.571	0.591 / 15mm
5/16	3/8	PTC5/16ODx 3/8ALB	PTC5/16ODx 3/8BSPT-ALB	1.476	0.906	0.472	1.024	0.551	0.709 / 18mm
3/8	1/8	PTC3/8ODx 1/8ALB	PTC3/8ODx 1/8BSPT-ALB	1.004	0.689	0.295	1.122	0.669	0.433 / 11mm
3/8	1/4	PTC3/8ODx 1/4ALB	PTC3/8ODx 1/4BSPT-ALB	1.181	0.807	0.413	1.201	0.669	0.591 / 15mm
3/8	3/8	PTC3/8ODx 3/8ALB	PTC3/8ODx 3/8BSPT-ALB	1.476	0.906	0.472	1.142	0.669	0.709 / 18mm
3/8	1/2	PTC3/8ODx 1/2ALB	PTC3/8ODx 1/2BSPT-ALB	1.555	1.024	0.591	1.260	0.669	0.945 / 24mm
1/2	1/4	PTC1/2ODx 1/4ALB	PTC1/2ODx 1/4BSPT-ALB	1.181	0.866	0.413	1.142	0.787	0.591 / 15mm
1/2	3/8	PTC1/2ODx 3/8ALB	PTC1/2ODx 3/8BSPT-ALB	1.476	0.906	0.472	1.181	0.787	0.709 / 18mm
1/2	1/2	PTC1/2ODx 1/2ALB	PTC1/2ODx 1/2BSPT-ALB	1.555	1.024	0.591	1.299	0.787	0.945 / 24mm





PTC5/32ODx1/8ALB

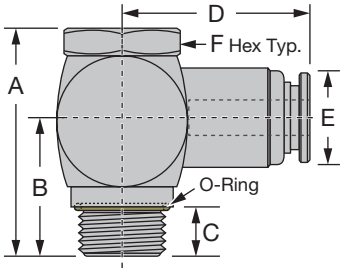


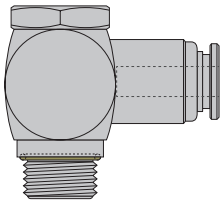
PTC1/4ODx1/4BSPT-ALB

X2

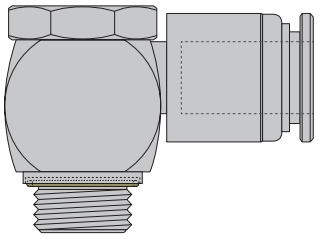
1046 Male BSPP Thread Push-to-Connect Adjustable Elbows

Tube O.D.	Thread Size	Part Numbers	Dimensions (Reference)					
		BSPP Thread	A Max	B Ref.	C Ref.	D Ref.	E Ref.	F Hex Typ.
5/32	1/8	PTC5/32ODx1/8BSPP-ALB	1.614	0.610	0.217	0.827	0.413	0.512 / 13mm
5/32	1/4	PTC5/32ODx1/4BSPP-ALB	1.890	0.768	0.256	0.925	0.413	0.630 / 16mm
1/4	1/8	PTC1/4ODx1/8BSPP-ALB	1.614	0.610	0.217	0.846	0.492	0.512 / 13mm
1/4	1/4	PTC1/4ODx1/4BSPP-ALB	1.890	0.768	0.256	0.945	0.512	0.630 / 16mm
1/4	3/8	PTC1/4ODx3/8BSPP-ALB	2.283	0.906	0.295	0.984	0.512	0.787 / 20mm
5/16	1/8	PTC5/16ODx1/8BSPP-ALB	1.614	0.630	0.217	0.886	0.543	0.551 / 14mm
5/16	1/4	PTC5/16ODx1/4BSPP-ALB	1.890	0.768	0.256	0.965	0.571	0.630 / 16mm
5/16	3/8	PTC5/16ODx3/8BSPP-ALB	2.283	0.906	0.295	1.024	0.551	0.787 / 20mm
3/8	1/8	PTC3/8ODx1/8BSPP-ALB	1.614	0.689	0.217	1.122	0.669	0.669 / 17mm
3/8	1/4	PTC3/8ODx1/4BSPP-ALB	1.890	0.807	0.256	1.201	0.669	0.669 / 17mm
3/8	3/8	PTC3/8ODx3/8BSPP-ALB	2.283	0.906	0.295	1.142	0.669	0.787 / 20mm
3/8	1/2	PTC3/8ODx1/2BSPP-ALB	2.402	1.024	0.354	1.260	0.669	0.945 / 24mm
1/2	1/4	PTC1/2ODx1/4BSPP-ALB	1.890	0.866	0.256	1.142	0.787	0.787 / 20mm
1/2	3/8	PTC1/2ODx3/8BSPP-ALB	2.283	0.906	0.295	1.181	0.787	0.787 / 20mm
1/2	1/2	PTC1/2ODx1/2BSPP-ALB	2.402	1.024	0.354	1.299	0.787	0.945 / 24mm





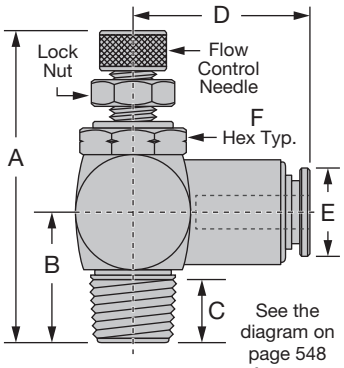
PTC5/32ODx1/8BSPP-ALB



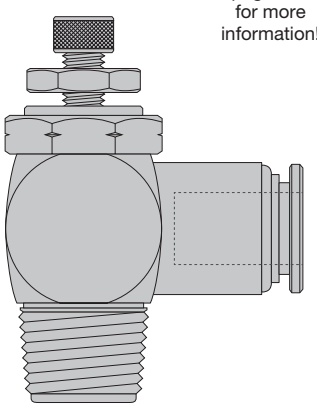
PTC3/8ODx1/4BSPP-ALB

BSPP Thread Push-to-Connect Adjustable Elbows are supplied with FKM Viton O-Rings. Other materials are listed on page 456!

Male NPT & BSPT Thread Push-to-Connect Flow Control Valves 1047



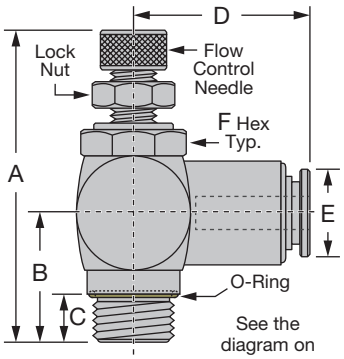
See the diagram on page 548 for more information!



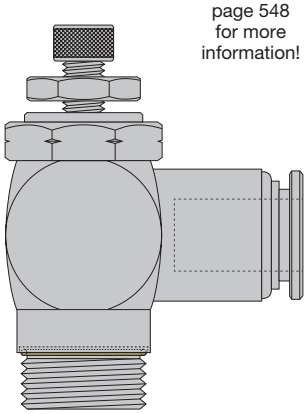
PTC3/8OD-FCVx3/8M

Tube O.D.	Thread Size	Part Numbers		Dimensions (Reference)					
		NPT Thread	BSPT Thread	A Max	B Ref.	C Ref.	D Ref.	E Ref.	F Hex Typ.
5/32	1/8	PTC5/32OD-FCVx1/8M	PTC5/32OD-FCVx1/8BSPT-M	1.614	0.610	0.295	0.827	0.413	0.433 / 11mm
5/32	1/4	PTC5/32OD-FCVx1/4M	PTC5/32OD-FCVx1/4BSPT-M	1.890	0.768	0.413	0.925	0.413	0.591 / 15mm
1/4	1/8	PTC1/4OD-FCVx1/8M	PTC1/4OD-FCVx1/8BSPT-M	1.614	0.610	0.295	0.846	0.492	0.433 / 11mm
1/4	1/4	PTC1/4OD-FCVx1/4M	PTC1/4OD-FCVx1/4BSPT-M	1.890	0.768	0.413	0.945	0.512	0.591 / 15mm
1/4	3/8	PTC1/4OD-FCVx3/8M	PTC1/4OD-FCVx3/8BSPT-M	2.283	0.906	0.472	0.984	0.512	0.709 / 18mm
5/16	1/8	PTC5/16OD-FCVx1/8M	PTC5/16OD-FCVx1/8BSPT-M	1.614	0.630	0.295	0.886	0.543	0.433 / 11mm
5/16	1/4	PTC5/16OD-FCVx1/4M	PTC5/16OD-FCVx1/4BSPT-M	1.890	0.768	0.413	0.965	0.571	0.591 / 15mm
5/16	3/8	PTC5/16OD-FCVx3/8M	PTC5/16OD-FCVx3/8BSPT-M	2.283	0.906	0.472	1.024	0.551	0.709 / 18mm
3/8	1/8	PTC3/8OD-FCVx1/8M	PTC3/8OD-FCVx1/8BSPT-M	1.614	0.689	0.295	1.122	0.669	0.433 / 11mm
3/8	1/4	PTC3/8OD-FCVx1/4M	PTC3/8OD-FCVx1/4BSPT-M	1.890	0.807	0.413	1.201	0.669	0.591 / 15mm
3/8	3/8	PTC3/8OD-FCVx3/8M	PTC3/8OD-FCVx3/8BSPT-M	2.283	0.906	0.472	1.142	0.669	0.709 / 18mm
3/8	1/2	PTC3/8OD-FCVx1/2M	PTC3/8OD-FCVx1/2BSPT-M	2.402	1.024	0.591	1.260	0.669	0.945 / 24mm
1/2	1/4	PTC1/2OD-FCVx1/4M	PTC1/2OD-FCVx1/4BSPT-M	1.890	0.866	0.413	1.142	0.787	0.591 / 15mm
1/2	3/8	PTC1/2OD-FCVx3/8M	PTC1/2OD-FCVx3/8BSPT-M	2.283	0.906	0.472	1.181	0.787	0.709 / 18mm
1/2	1/2	PTC1/2OD-FCVx1/2M	PTC1/2OD-FCVx1/2BSPT-M	2.402	1.024	0.591	1.299	0.787	0.945 / 24mm

Male BSPP Thread Push-to-Connect Flow Control Valves 1048



See the diagram on page 548 for more information!



PTC3/8OD-FCVx3/8BSPP-M

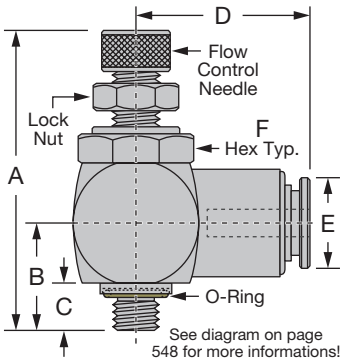
Tube O.D.	Thread Size	Part Numbers	Dimensions (Reference)					
		BSPP Thread	A Max.	B Ref.	C Ref.	D Ref.	E. Ref.	F Hex Typ.
5/32	1/8	PTC5/32OD-FCVx1/8BSPP-M	1.614	0.610	0.217	0.827	0.413	0.512 / 13mm
5/32	1/4	PTC5/32OD-FCVx1/4BSPP-M	1.890	0.768	0.256	0.925	0.413	0.630 / 16mm
1/4	1/8	PTC1/4OD-FCVx1/8BSPP-M	1.614	0.610	0.217	0.846	0.492	0.512 / 13mm
1/4	1/4	PTC1/4OD-FCVx1/4BSPP-M	1.890	0.768	0.256	0.945	0.512	0.630 / 16mm
1/4	3/8	PTC1/4OD-FCVx3/8BSPP-M	2.283	0.906	0.295	0.984	0.512	0.787 / 20mm
5/16	1/8	PTC5/16OD-FCVx1/8BSPP-M	1.614	0.630	0.217	0.886	0.543	0.551 / 14mm
5/16	1/4	PTC5/16OD-FCVx1/4BSPP-M	1.890	0.768	0.256	0.965	0.571	0.630 / 16mm
5/16	3/8	PTC5/16OD-FCVx3/8BSPP-M	2.283	0.906	0.295	1.024	0.551	0.787 / 20mm
3/8	1/8	PTC3/8OD-FCVx1/8BSPP-M	1.614	0.689	0.217	1.122	0.669	0.669 / 17mm
3/8	1/4	PTC3/8OD-FCVx1/4BSPP-M	1.890	0.807	0.256	1.201	0.669	0.669 / 17mm
3/8	3/8	PTC3/8OD-FCVx3/8BSPP-M	2.283	0.906	0.295	1.142	0.669	0.787 / 20mm
3/8	1/2	PTC3/8OD-FCVx1/2BSPP-M	2.402	1.024	0.354	1.260	0.669	0.945 / 24mm
1/2	1/4	PTC1/2OD-FCVx1/4BSPP-M	1.890	0.866	0.256	1.142	0.787	0.787 / 20mm
1/2	3/8	PTC1/2OD-FCVx3/8BSPP-M	2.283	0.906	0.295	1.181	0.787	0.787 / 20mm
1/2	1/2	PTC1/2OD-FCVx1/2BSPP-M	2.402	1.024	0.354	1.299	0.787	0.945 / 24mm

BSPP Thread Push-to-Connect Flow Control Valves are supplied with FKM Viton O-Rings. Other materials are listed on page 456!

1049 Male Metric Thread Push-to-Connect Flow Control Valves

Tube O.D.	Male Thread Size	Part Numbers	Dimensions (Reference)					
		Metric Thread	A Ref.	B Ref.	C Ref.	D Ref.	E Ref.	F Hex Typ.
1/8	M5	PTC1/8OD-FCVxM5-M	1.476	0.472	0.157	0.827	0.413	0.433 / 11mm
1/8	M6x1	PTC1/8OD-FCVxM6x1-M	1.476	0.472	0.157	0.827	0.413	0.433 / 11mm
1/4	M5	PTC1/4OD-FCVxM5-M	1.476	0.472	0.157	0.846	0.492	0.433 / 11mm
1/4	M6x1	PTC1/4OD-FCVxM6x1-M	1.476	0.472	0.157	0.846	0.492	0.433 / 11mm

Metric Threads are supplied with FKM Viton O-Rings. Other materials are listed on page 456!



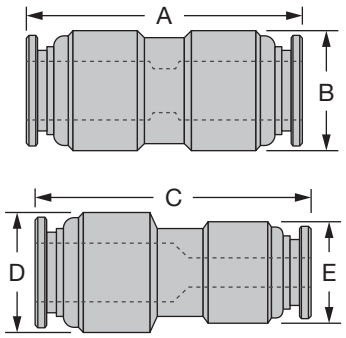
See diagram on page 548 for more informations!

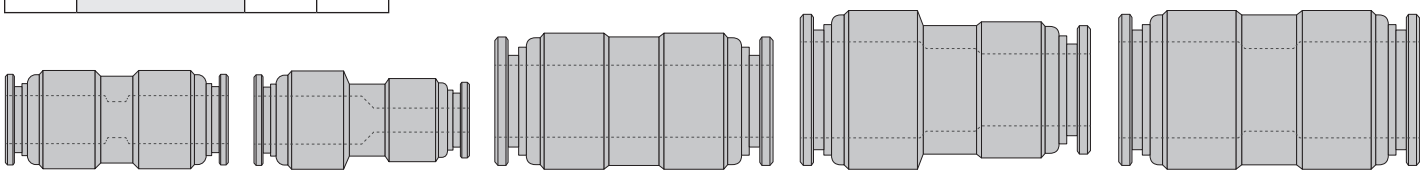
X2

1050 Push-to-Connect Couplings & Reducing Couplings/Straight Unions

Tube O.D.	Part Numbers	Dimensions (Reference)	
	Couplings	A Ref.	B Dia.
1/8	PTC1/8OD-C	1.063	0.433
5/32	PTC5/32OD-C	1.063	0.433
1/4	PTC1/4OD-C	1.161	0.512
5/16	PTC5/16OD-C	1.280	0.591
3/8	PTC3/8OD-C	1.449	0.709
1/2	PTC1/2OD-C	1.567	0.827

Tube O.D.		Part Numbers	Dimensions (Reference)		
Larger	Smaller	Reducing Couplings	C Ref.	D Ref.	E Ref.
1/4	5/32	PTC1/4x5/32OD-RC	1.122	0.512	0.433
5/16	1/4	PTC5/16x1/4OD-RC	1.220	0.591	0.512
3/8	5/16	PTC3/8x5/16OD-RC	1.366	0.709	0.591
1/2	5/16	PTC1/2x5/16OD-RC	1.417	0.827	0.591
1/2	3/8	PTC1/2x3/8OD-RC	1.512	0.827	0.709



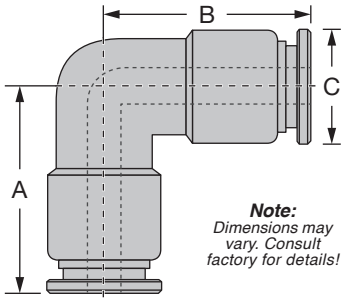


PTC1/4OD-C | PTC1/4x5/32OD-RC | PTC3/8OD-C | PTC1/2x3/8OD-RC | PTC1/2OD-C

1051 Push-to-Connect Elbow Union

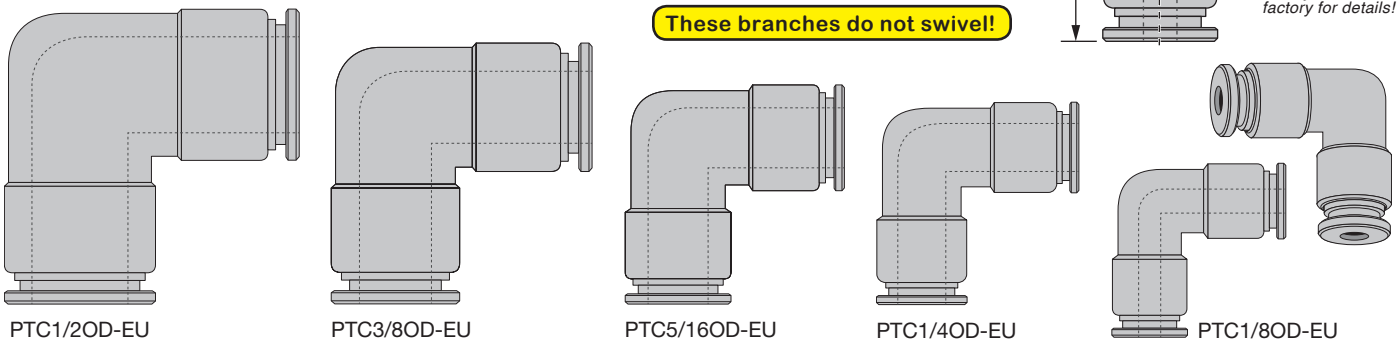
Tube O.D.	Part Numbers	Dimensions (Reference)		
	316L Stainless Steel	A Ref.	B Ref.	C Dia.
1/8	PTC1/8OD-EU	0.709	0.709	0.394
5/32	PTC5/32OD-EU	0.709	0.709	0.394
1/4	PTC1/4OD-EU	0.787	0.787	0.472

Tube O.D.	Part Numbers	Dimensions (Reference)		
	316L Stainless Steel	A Ref.	B Ref.	C Dia.
5/16	PTC5/16OD-EU	0.866	0.866	0.551
3/8	PTC3/8OD-EU	1.024	1.024	0.669
1/2	PTC1/2OD-EU	1.142	1.142	0.787



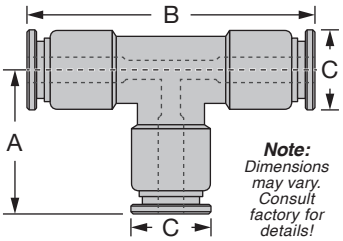
Note:
Dimensions may vary. Consult factory for details!

These branches do not swivel!



PTC1/2OD-EU | PTC3/8OD-EU | PTC5/16OD-EU | PTC1/4OD-EU | PTC1/8OD-EU

Push-to-Connect Tee Union 1052

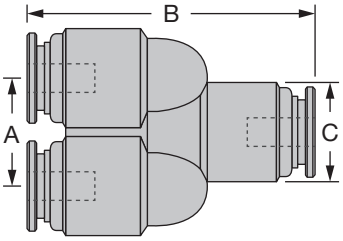


Note: Dimensions may vary. Consult factory for details!

Tube O.D.	Part Numbers 316L Stainless Steel	Dimensions (Reference) A Ref.	B Ref.	C Dia.
1/8	PTC1/8OD-TU	0.709	1.417	0.394
5/32	PTC5/32OD-TU	0.709	1.417	0.394
1/4	PTC1/4OD-TU	0.787	1.575	0.472
5/16	PTC5/16OD-TU	0.866	1.732	0.551
3/8	PTC3/8OD-TU	1.024	2.047	0.669
1/2	PTC1/2OD-TU	1.142	2.283	0.787

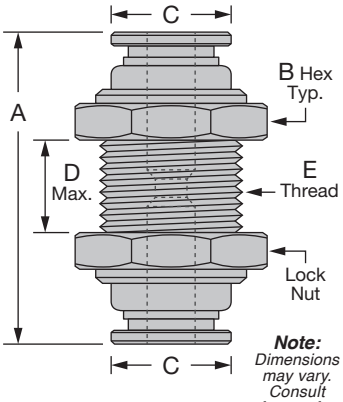
Push-to-Connect Y Union 1053

X2



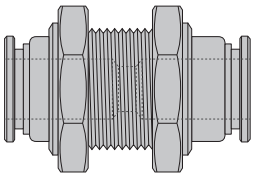
Tube O.D.	Part Numbers 316L Stainless Steel	Dimensions (Reference) A Ref.	B Ref.	C Dia.
1/8	PTC1/8OD-YU	0.472	1.417	0.433
5/32	PTC5/32OD-YU	0.472	1.417	0.433
1/4	PTC1/4OD-YU	0.551	1.575	0.512
5/16	PTC5/16OD-YU	0.630	1.732	0.591
3/8	PTC3/8OD-YU	0.748	2.047	0.709
1/2	PTC1/2OD-YU	0.827	2.283	0.827

Push-to-Connect Bulkhead Couplings 1054

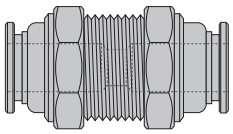


Note: Dimensions may vary. Consult factory for details!

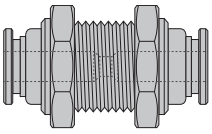
Tube O.D.	Part Numbers Mini Male Thread	Dimensions (Reference) A Ref.	B Hex Typ.	C Dia.	D Max.	E Thread
1/8	PTC1/8OD-BK	1.063	0.551 / 14mm	0.394	0.315	M12x1
5/32	PTC5/32OD-BK	1.063	0.551 / 14mm	0.394	0.315	M12x1
1/4	PTC1/4OD-BK	1.161	0.669 / 17mm	0.472	0.315	M14x1
5/16	PTC5/16OD-BK	1.280	0.748 / 19mm	0.551	0.335	M16x1
3/8	PTC3/8OD-BK	1.449	0.945 / 24mm	0.669	0.374	M20x1
1/2	PTC1/2OD-BK	1.567	1.024	0.787	0.453	M22x1



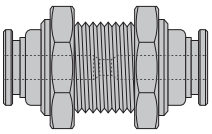
PTC 5/16OD-BK



PTC 1/4OD-BK

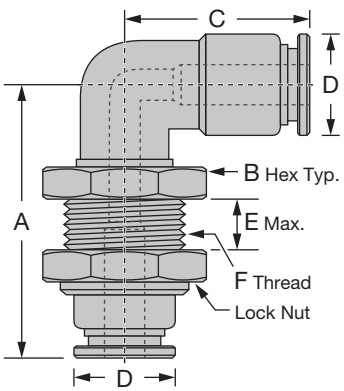


PTC 5/32OD-BK



PTC 1/8OD-BK

Push-to-Connect Bulkhead Elbows 1055

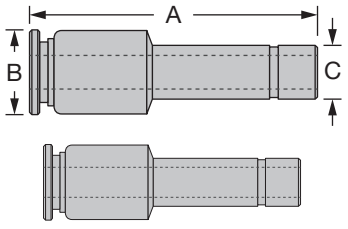


Tube O.D.	Part Numbers Mini Male Thread	Dimensions (Reference) A Ref.	B Hex Typ.	C Ref.	D Dia.	E Max.	F Thread
1/8	PTC1/8OD-BK-LB	1.063	0.551 / 14mm	0.720	0.394	0.197	M12x1
5/32	PTC5/32OD-BK-LB	1.063	0.551 / 14mm	0.720	0.394	0.197	M12x1
1/4	PTC1/4OD-BK-LB	1.161	0.669 / 17mm	0.799	0.472	0.197	M14x1
5/16	PTC5/16OD-BK-LB	1.280	0.669 / 17mm	0.878	0.551	0.236	M16x1
3/8	PTC3/8OD-BK-LB	1.449	0.827 / 21mm	1.039	0.669	0.315	M20x1
1/2	PTC1/2OD-BK-LB	1.567	0.945 / 24mm	1.157	0.787	0.315	M22x1

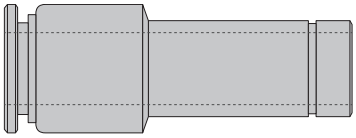
1056 Push-to-Connect Reducing Stem Couplings

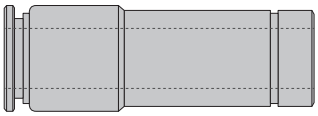
Tube O.D.	Part Numbers 316L Stainless Steel	Dimensions (Reference) A Ref.	B Dia.	C Dia.
5/32	PTC5/32ODx1/4-RSC	1.339	0.394	1/4
1/4	PTC1/4ODx5/16-RSC	1.378	0.472	5/16

Tube O.D.	Part Numbers 316L Stainless Steel	Dimensions (Reference) A Ref.	B Dia.	C Dia.
5/16	PTC5/16ODx3/8-RSC	1.575	0.551	3/8
5/16	PTC5/16ODx1/2-RSC	1.614	0.551	1/2
3/8	PTC3/8ODx1/2-RSC	1.811	0.669	1/2



PTC5/32ODx1/4-RCS


PTC3/8ODx1/2-RCS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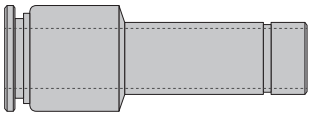
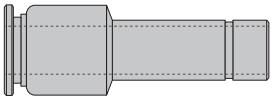
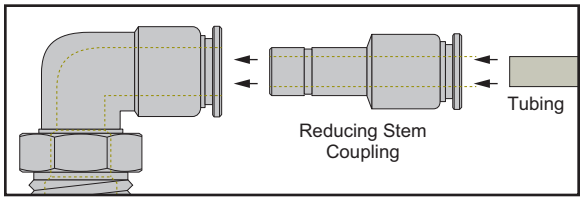
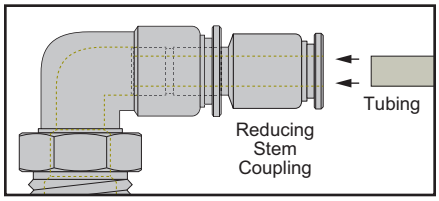
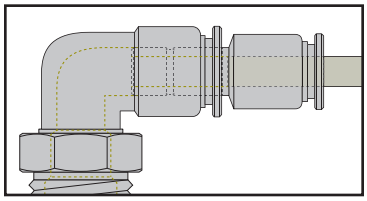

PTC5/16ODx3/8-RCS


PTC1/4ODx5/16-RCS

X2



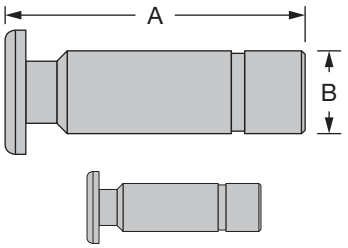




1057 Push-to-Connect Straight Plug

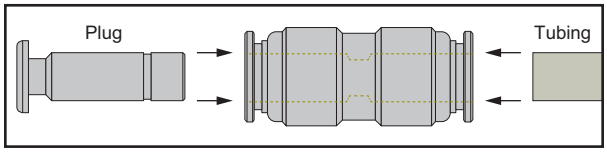
Tube O.D.	Part Numbers 316L Stainless Steel	Dimensions (Reference) A Ref.	B Ref.
1/8	PTC1/8OD-PLUG	0.866	1/8
5/32	PTC5/32OD-PLUG	0.866	5/32
1/4	PTC1/4OD-PLUG	0.906	1/4

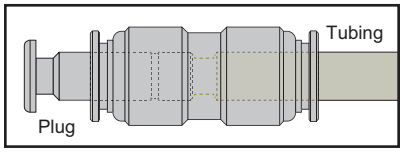
Tube O.D.	Part Numbers 316L Stainless Steel	Dimensions (Reference) A Ref.	B Ref.
5/16	PTC5/16OD-PLUG	0.945	5/16
3/8	PTC3/8OD-PLUG	1.063	3/8
1/2	PTC1/2OD-PLUG	1.142	1/2



PTC1/4OD-PLUG

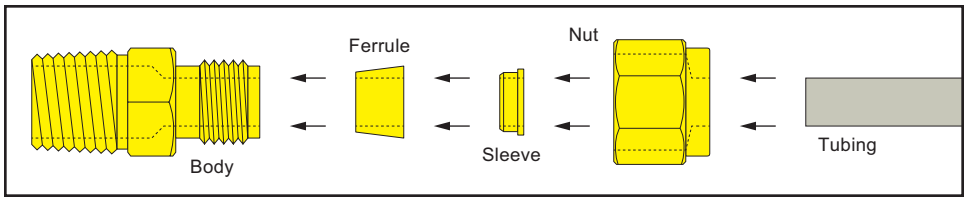
PTC5/16OD-PLUG



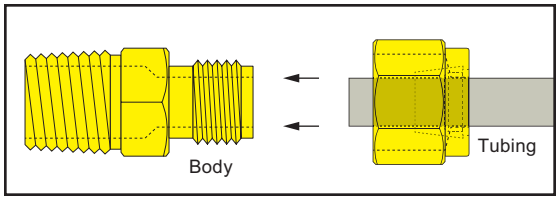


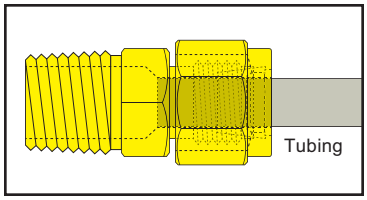
New Products Coming Soon: Mem-Lok!

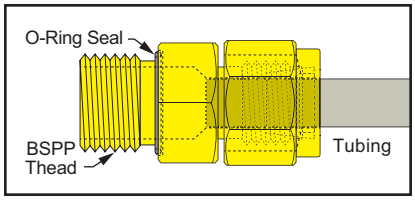
Tube O.D. sizes from 1/16 to 1 inch available!



Threads sizes from 1/16 to 1 inch available!







NPT, BSPT, and BSPP threads available!

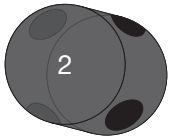
Consult factory for details and dimensions!

Available in Brass, Electroless Nickel Plate, and 316 Stainless Steel!

Coming Soon: Button and Barb Fittings!

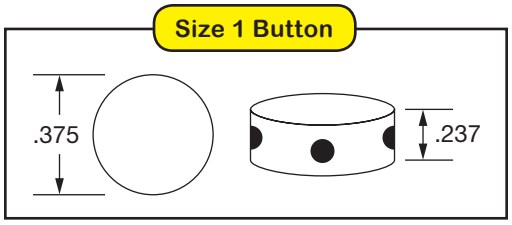


Delron Black Base Body!

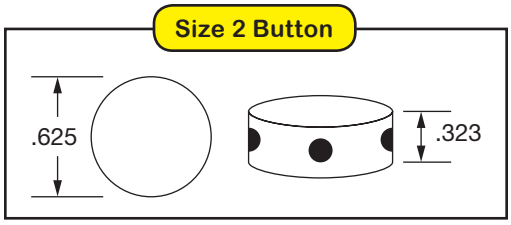


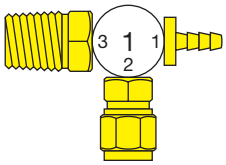
Up to four ports available!

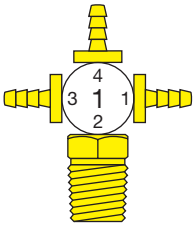
Size 1 Button

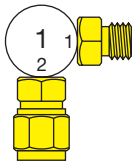


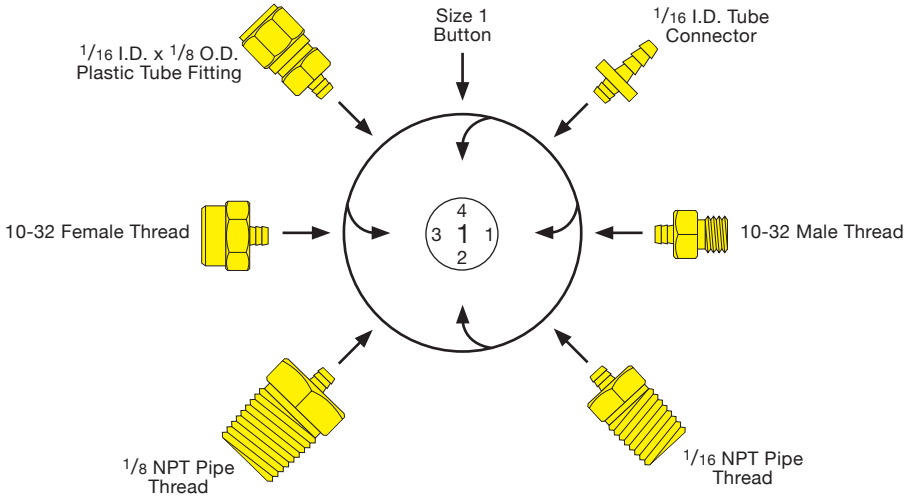
Size 2 Button

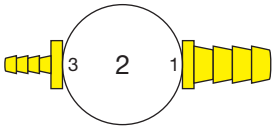


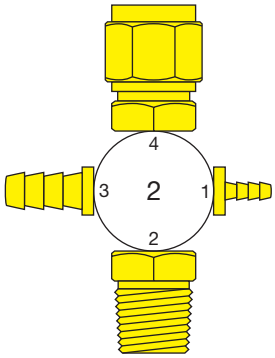


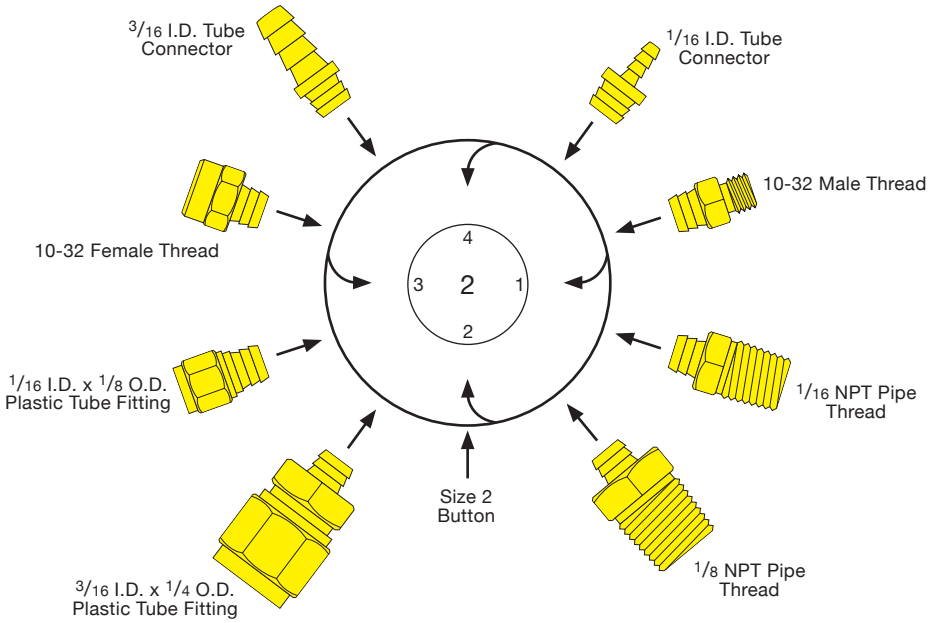




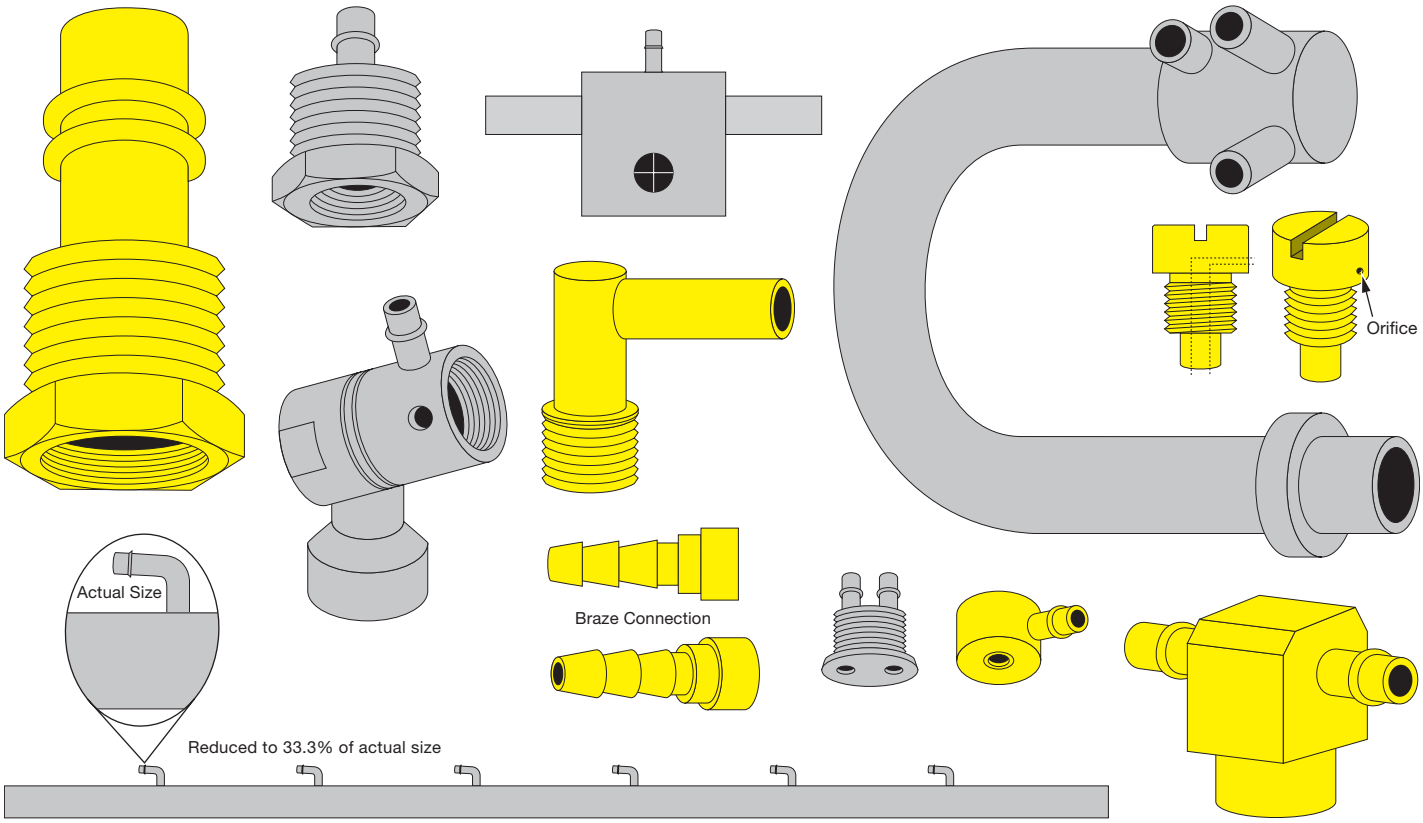


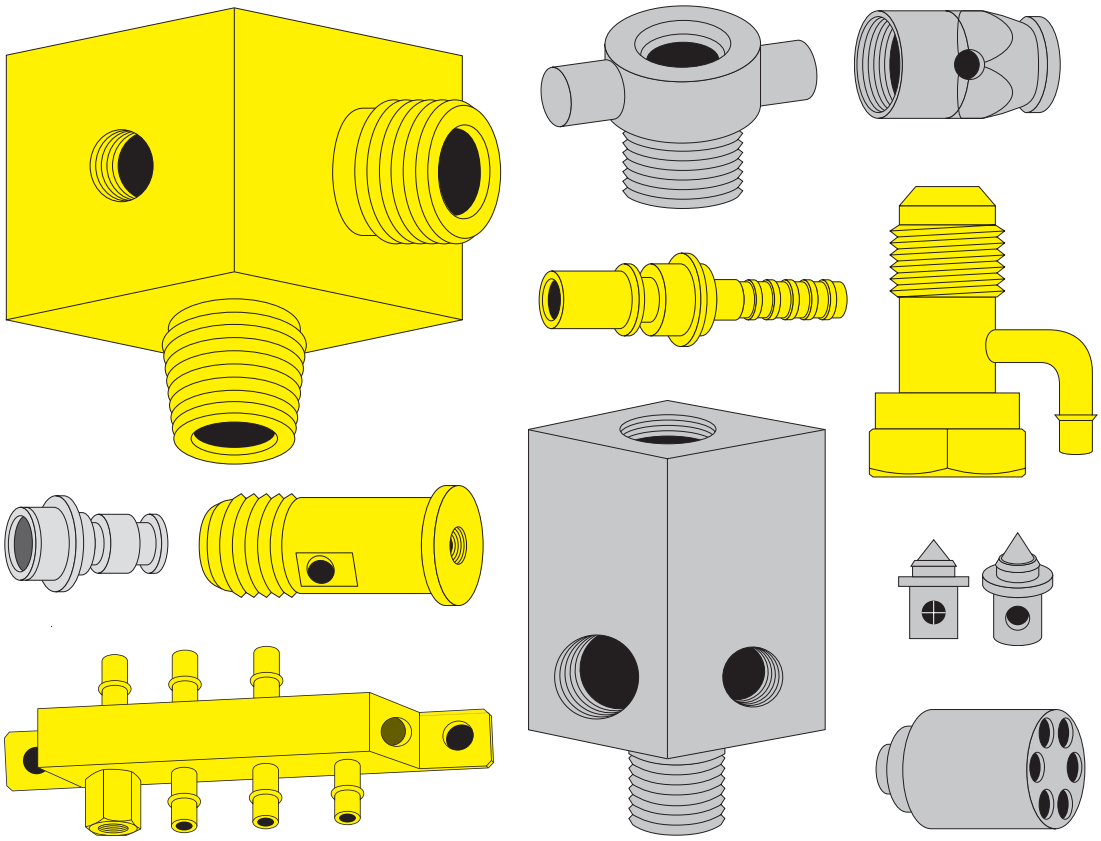






Specialty and Custom Fittings

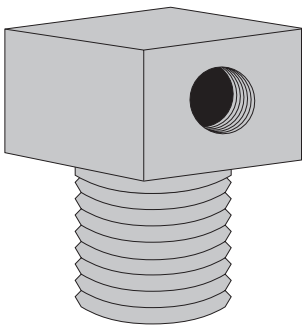




Let us help you customize fittings to suit your needs!!

Consult factory for details!

If you can dream it, we can most likely make it!!

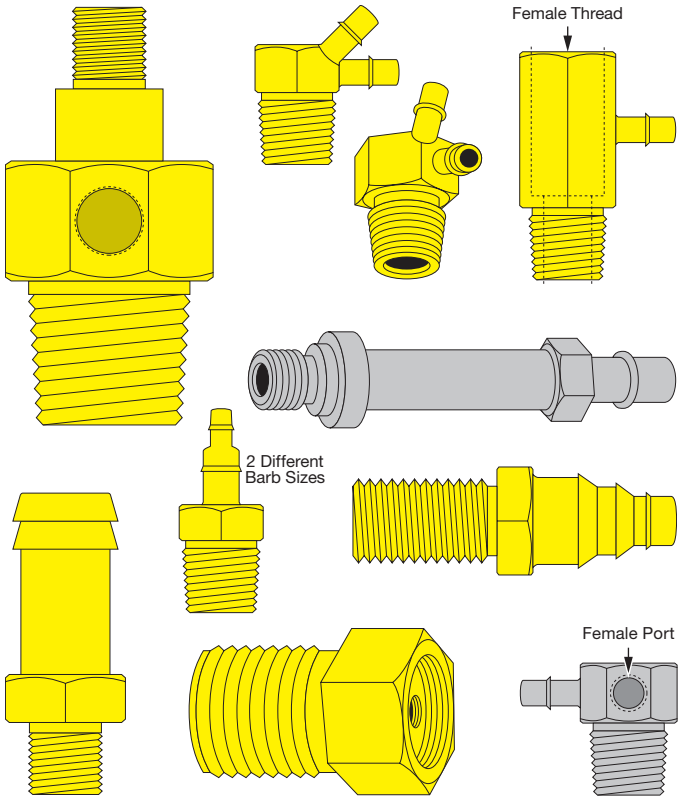


M24x1.25 x 1/8 FL
(1/8 Female Port/Elbow)

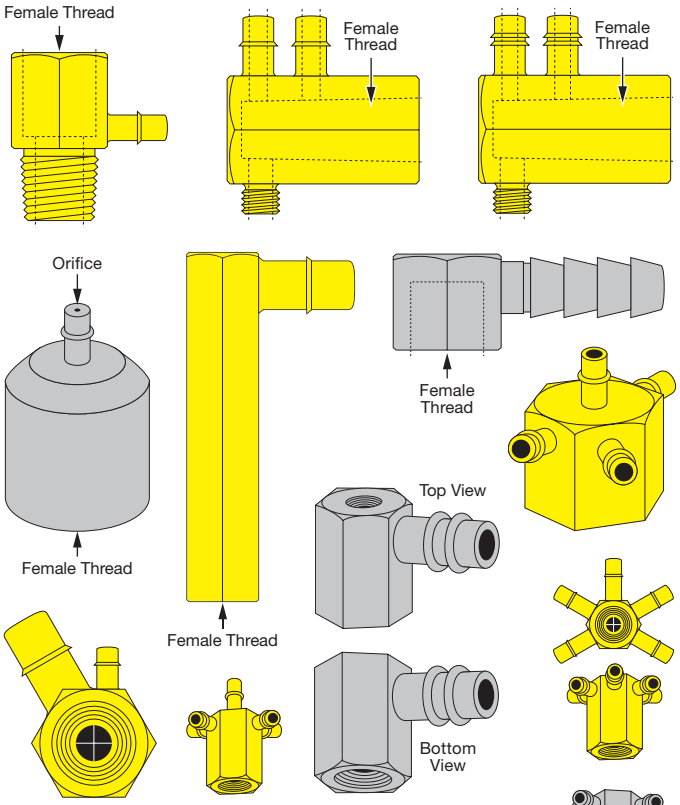
Mem-Co makes more specialty & custom fittings than anyone else in the world!!!

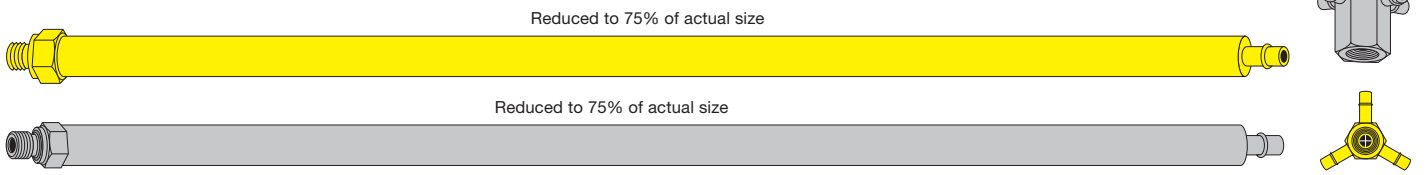
Specialty and Custom Fittings

Special Male Threaded Fittings

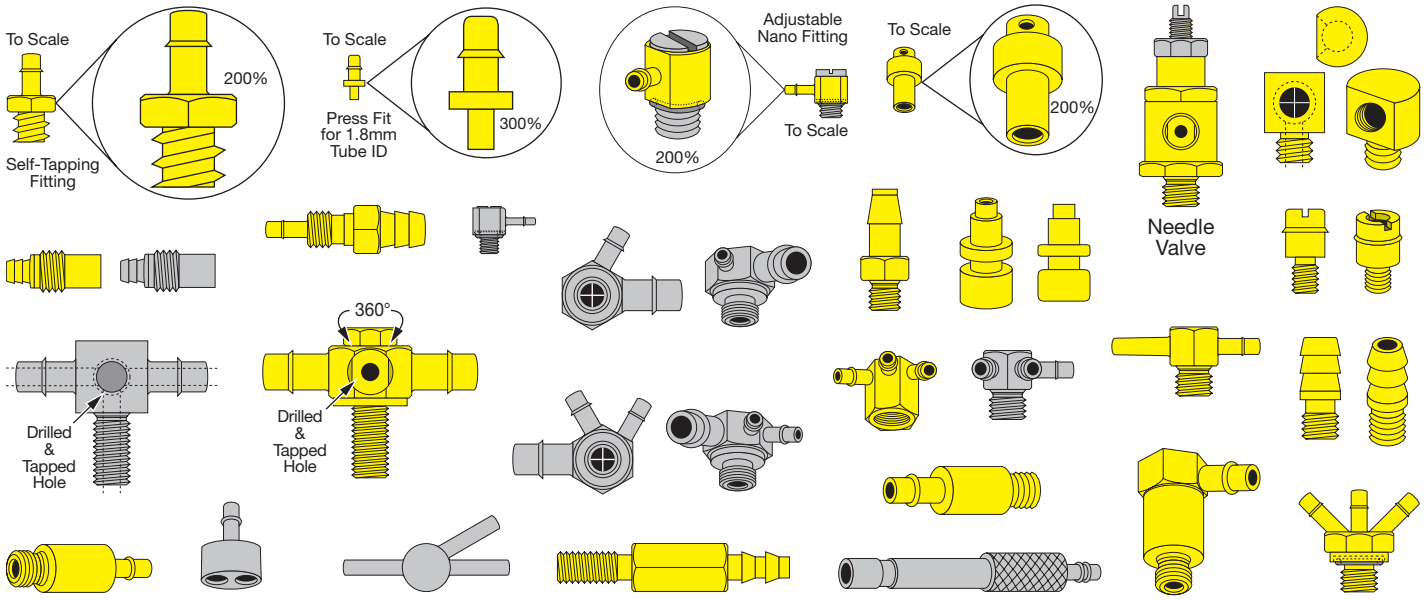


Special Female Threaded Fittings



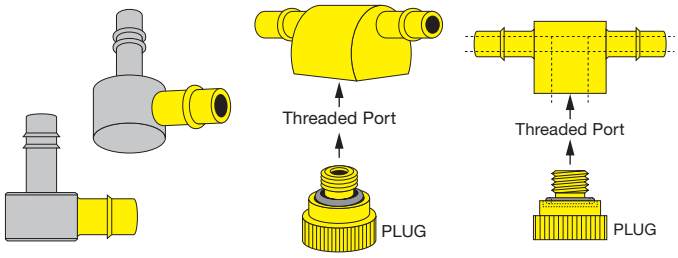


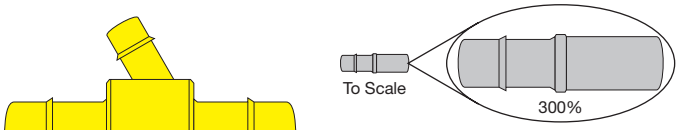
Special Mini, Macro, and Nano Fittings

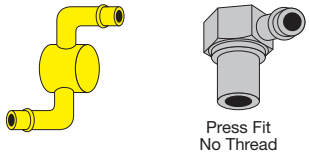


Specialty and Custom Fittings

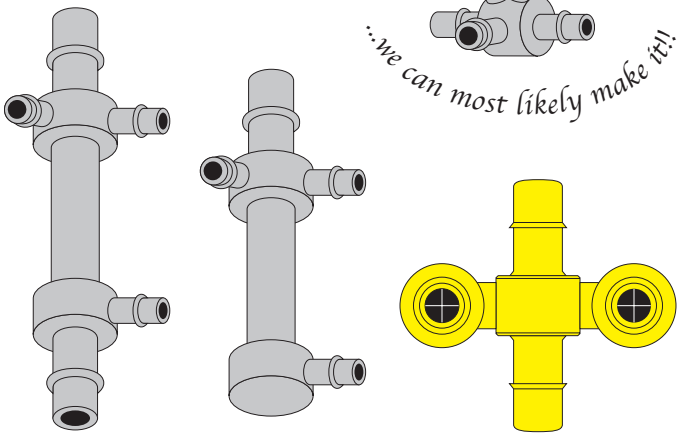
Tube to Tube Custom Fittings

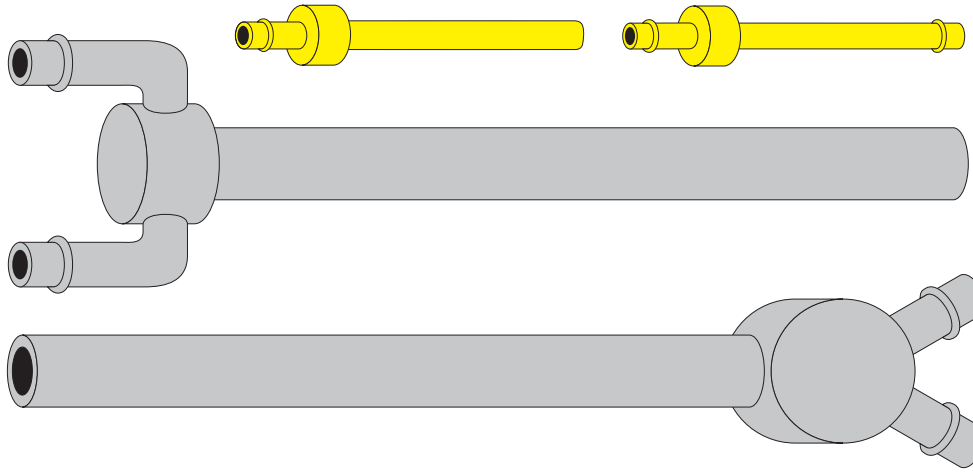




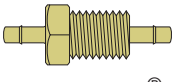


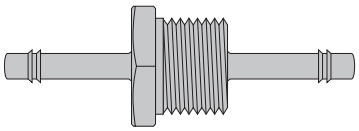


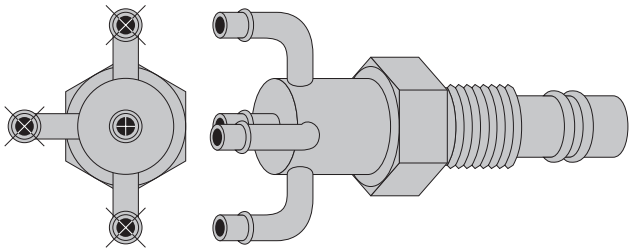


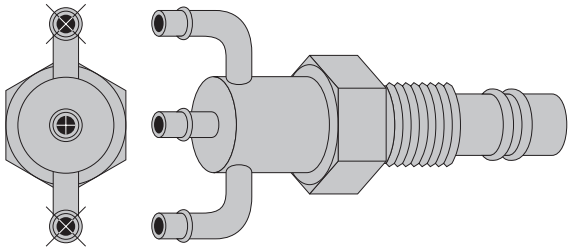


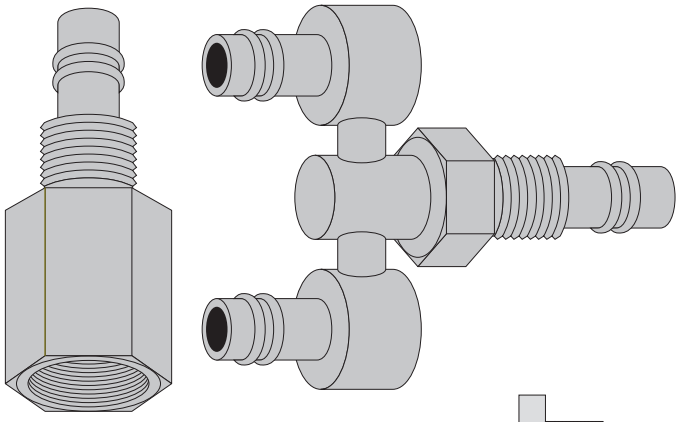
Special Bulkheads

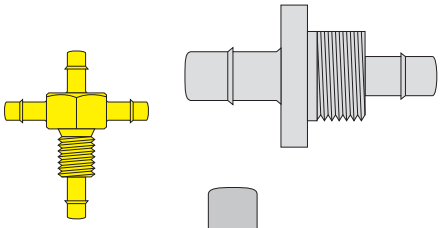


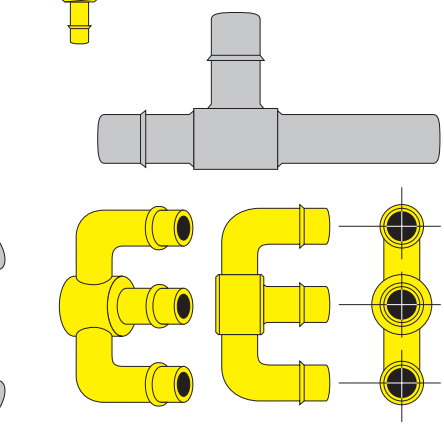








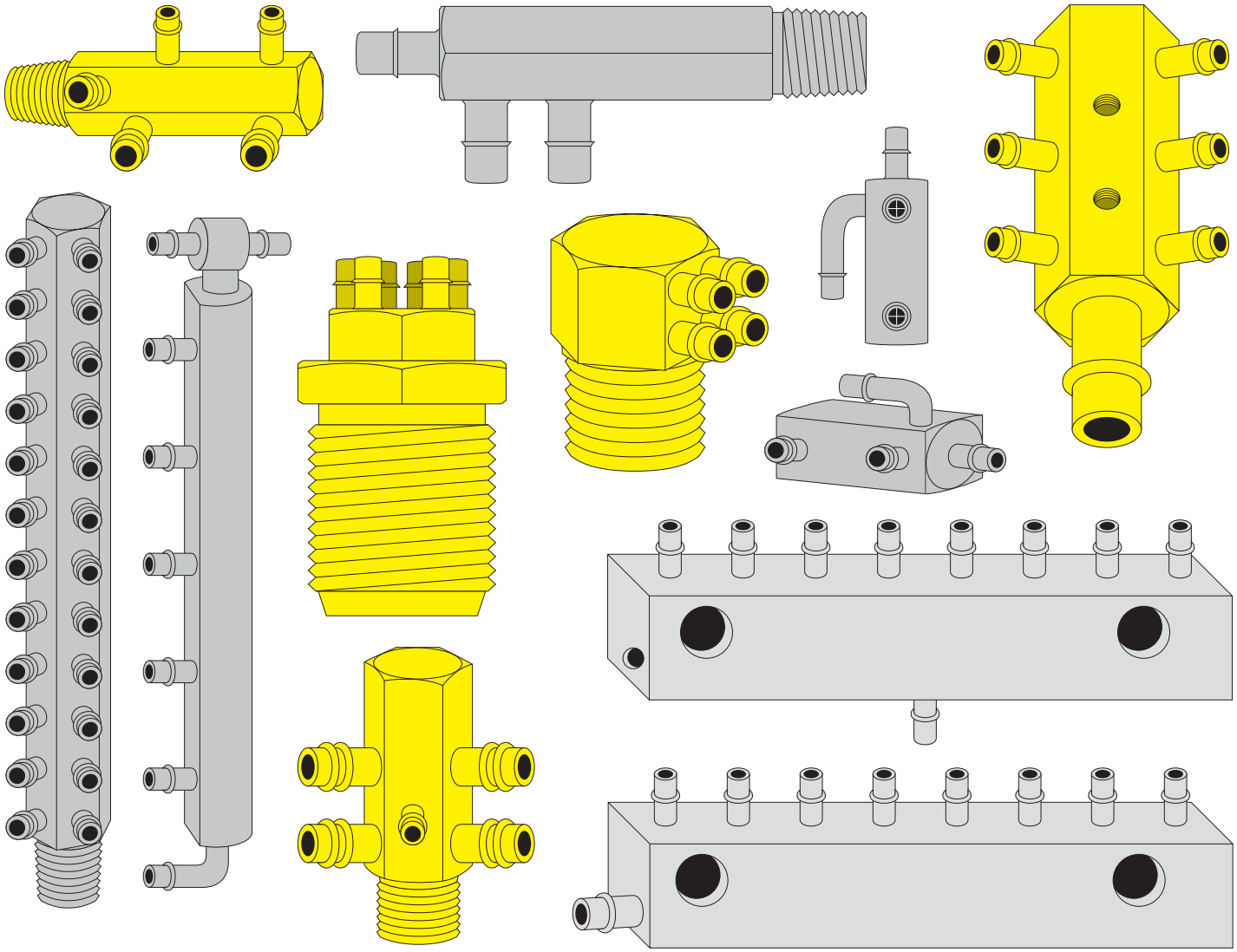




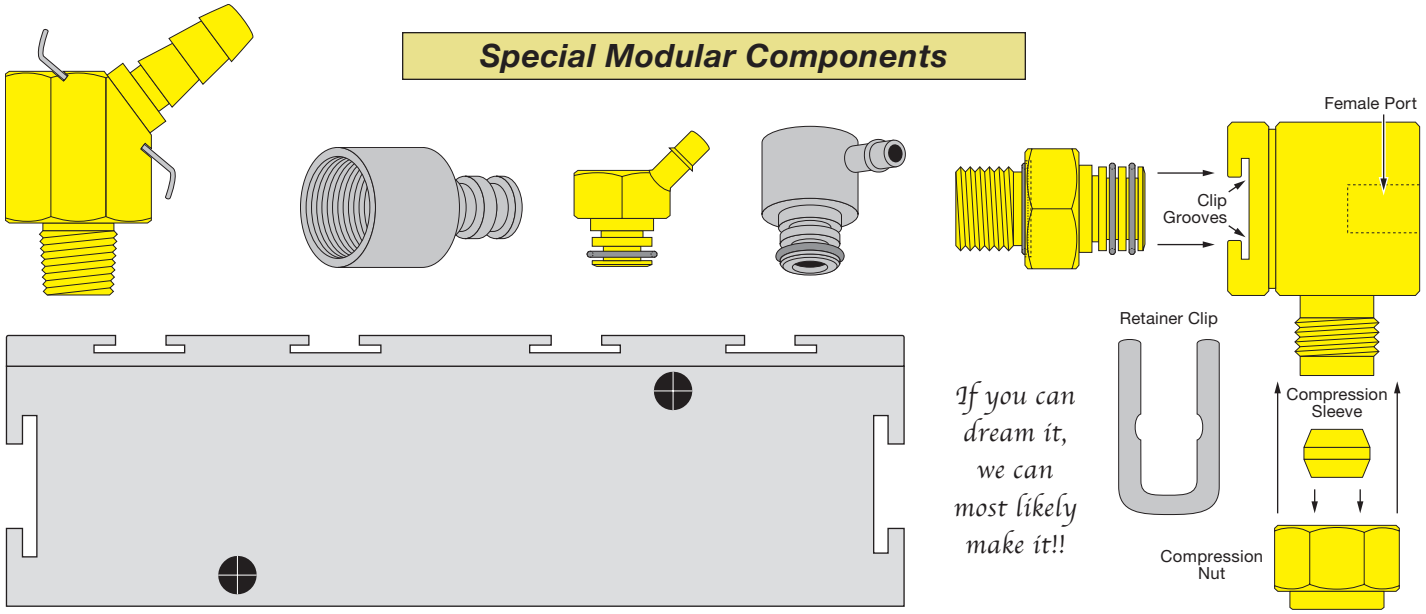
Y2

Specialty and Custom Fittings

Special Manifolds



Special Modular Components



If you can dream it, we can most likely make it!!

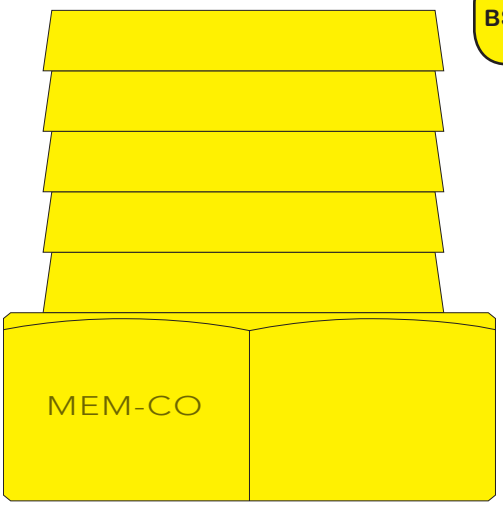
Limited Warranty

Mem-Co Fittings, Inc (seller) warrants its products to be free from defects in material and workmanship for a period of ninety (90) days from the date of the sale. Seller's liability **shall be limited, at seller's option, to the price of the product found by seller's examination to be defective.** All claims under this warranty must be made in writing to Mem-Co's sales department, giving full details, prior to return of product, postpaid, to factory. Seller shall not be responsible for failure due to normal wear, accident, buyer's misapplication, abuse, neglect, or alteration of product. Seller will not be responsible for any consequential damages. Mem-Co Fittings, Inc. makes no other warranty of any kind, expressed or implied.

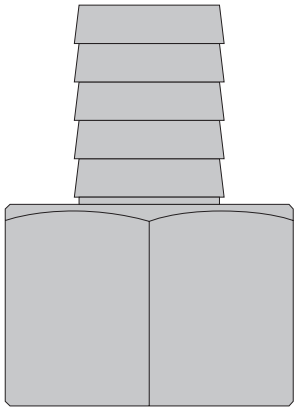
Diagrams in our catalog are for general purposes only. Parts are not drawn to scale. Some deviations can be expected. It is the responsibility of the buyer to verify any and all critical/specific dimensional data for any part purchased.

NEW: Multi-Barb Thread to Tube Fittings in Various Sizes! Consult Factory for Details!

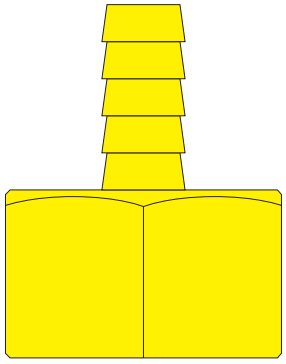
Many more sizes available!
BSPT & BSPP options also available!
Catalog addendum to come!!



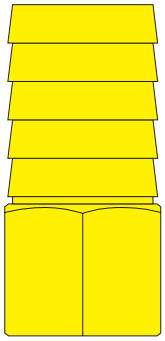
2"FB32-CT
2" Female Thread x 2" Tube ID



1"FB12-CT
1" Female Thread x 3/4" Tube ID
316 Stainless Steel

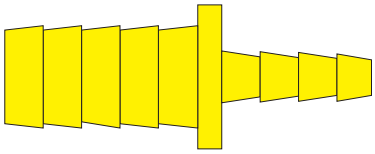


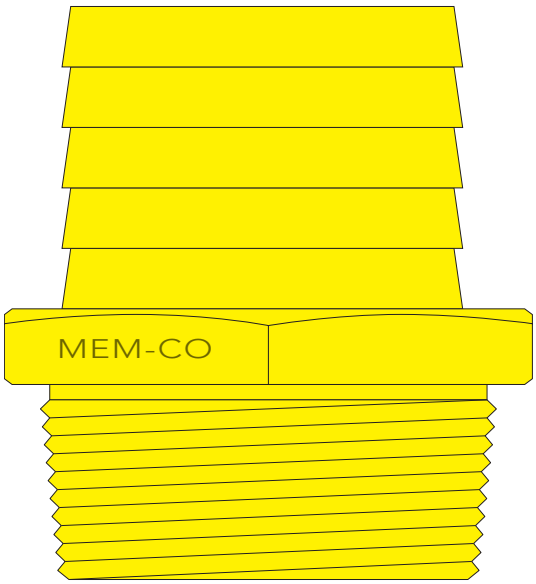
1"FB8-CT
1" Female Thread x 3/8" Tube ID



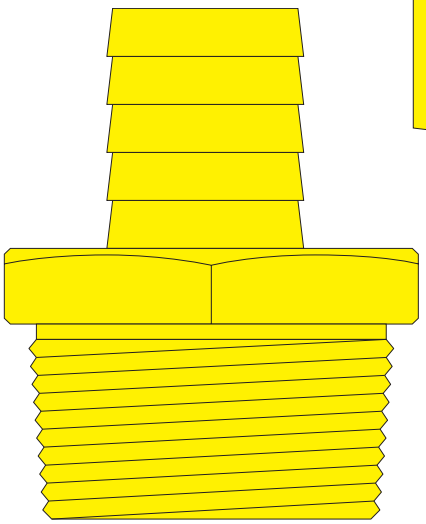
3/8FB12-CT
3/8 Female Thread x 3/4" Tube ID

RC11-5-CT
5/8" Tube ID x 3/16" Tube ID

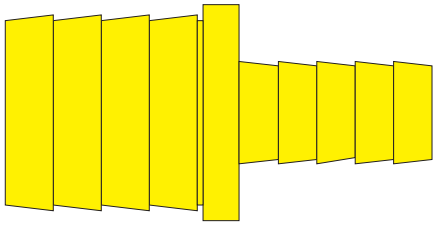




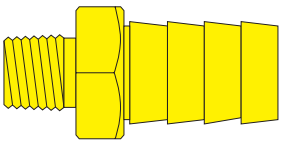
2"B32-CT
2" Male Thread x 2" Tube ID



1 1/2"B16-CT
1 1/2" Male Thread x 1" Tube ID

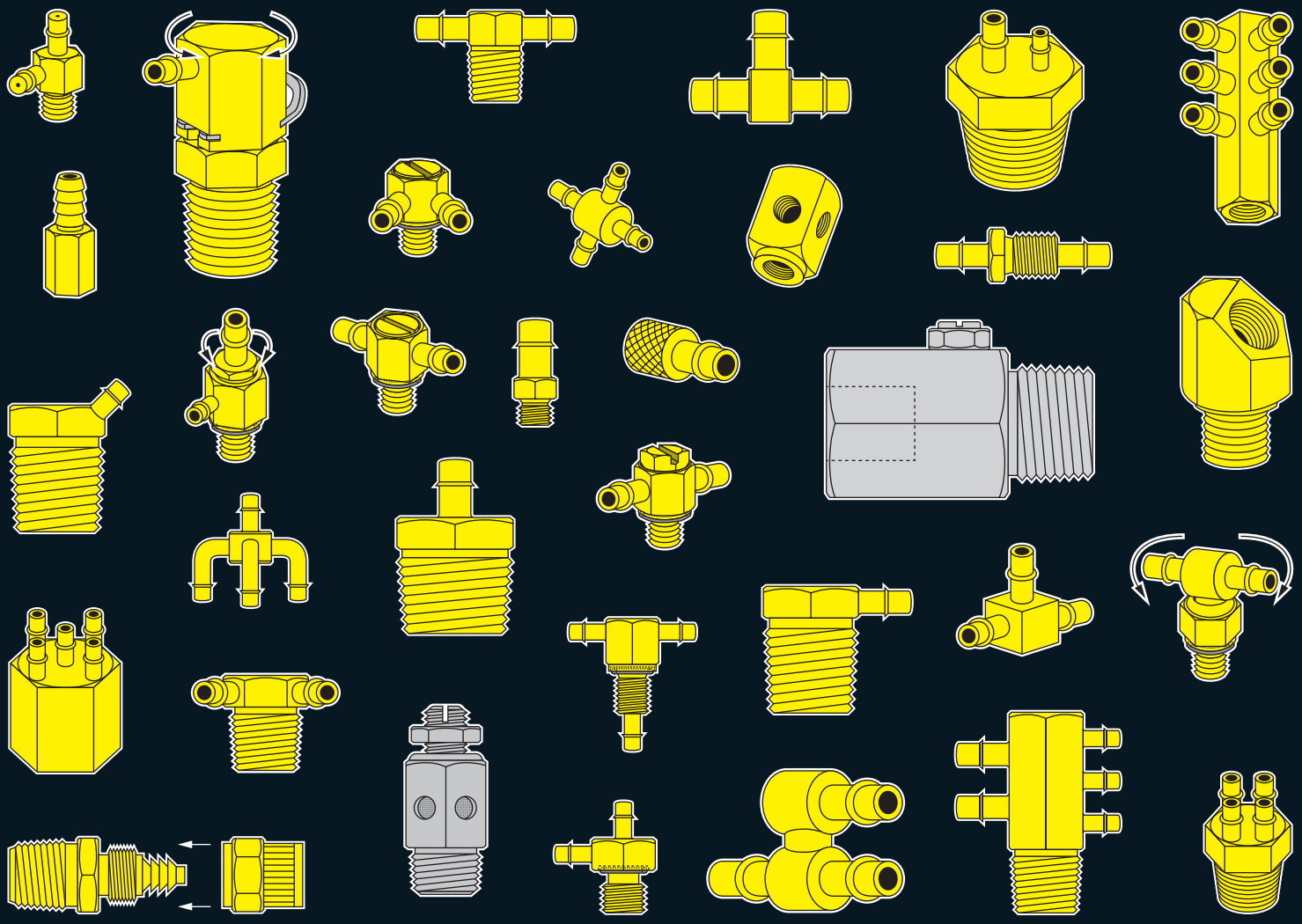


RC16-10-CT • 1" Tube ID x 1/2" Tube ID



1/8 B10-CT
1/8" Male Thread x 1/2" Tube ID

Available in Brass, Electroless Nickel Plate, and 316 Stainless Steel. 6061-T6 Aluminum available upon request! Lead times & large quantity minimums may apply!



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Mem-co has been at the forefront of high quality Miniature Fittings, Larger Barbed Air and Fluid Fittings, Adapters, and Orifices for all industries. Mem-co makes parts from a variety of materials including: Brass, Electroless Nickel Plated Brass, 6061-T6 Aluminum, 303 Stainless Steel, 316 Stainless Steel, Amber Polysulfone, and Peek®.

Gra-Tec, a subsidiary of Mem-Co, has been making Modular Design Components since 1968.

U.S. Clip-Lok (formerly Aranak), a subsidiary of Mem-Co, has been making Quick Release Modular Connector Systems since 1970.

We offer more fitting & adapter combinations than any other company in the world!!

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