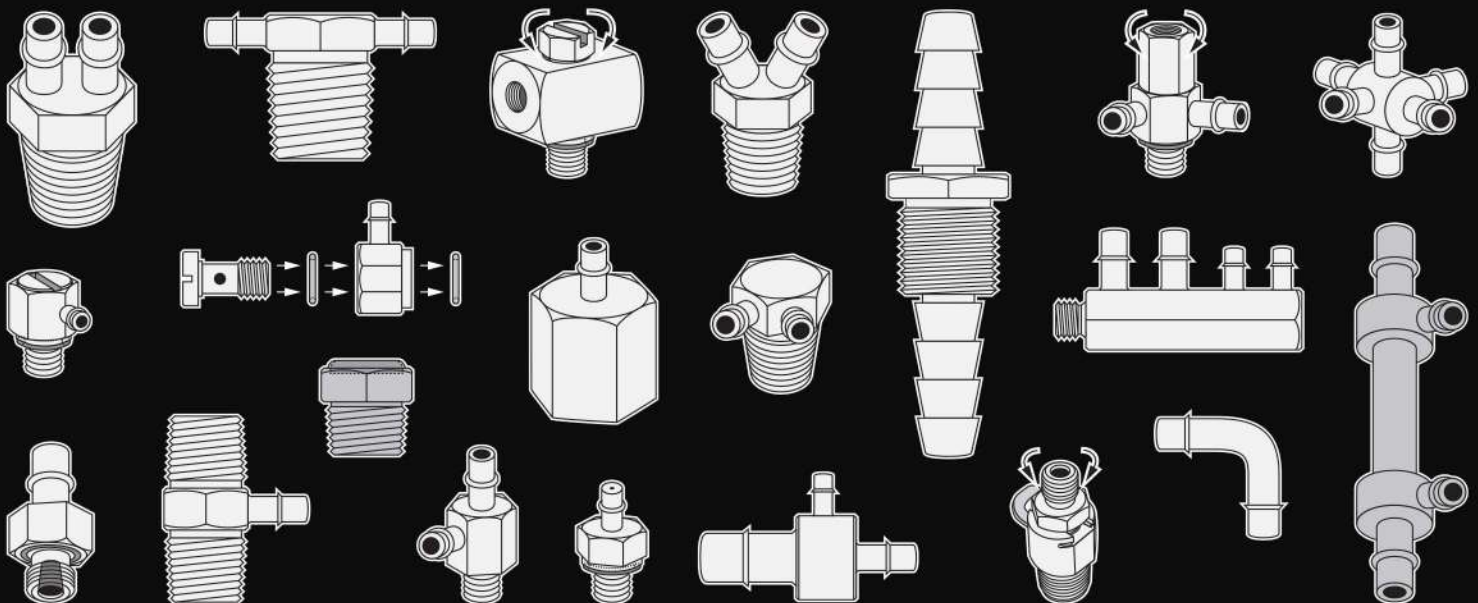


MEDICAL WHITE®

MEDICAL PERFORMANCE PEDIGREE BUILDING AIR LOGIC
CONTROLS FOR HIGH-PERFORMANCE AUTOMATION

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



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Branch Barb Numbers & Tubing I.D.

Branch Barb #	Tubing I.D.	Hole Thru
.025*	1/50"	.012"
.031	1/32"	.016"
.040	.040" / 1mm	.028"
.045	3/64"	.043"
.050	.050"	.046"
1	1/16"	.055"
2	5/64" / 2mm / .078"	.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"

Branch Barb #	Tubing I.D.	Hole Thru
5 3/4	15/64" / 6mm	.156"
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	.359"
10	1/2"	.391"
10 1/2	13mm	.417"
10 3/4	16mm	.524"
11	5/8"	.468"
11 1/2	18mm	.598"
11 3/4	19mm	.638"

Branch Barb #	Tubing I.D.	Hole Thru
12	3/4"	.638"
13	20mm	.665"
15	7/8"	Consult Factory
15 1/2	25mm	Consult Factory
16	1"	.765"
18	28mm	Consult Factory
19	1 1/8"	Consult Factory
20	1 1/4"	.910"
24	1 1/2"	1.330"
26	1 3/4"	1.575"
32	2"	1.750"
34	2 1/2"	2.500"
36	3"	2.725"
44	4"	Consult Factory

*.025 branch (1/50" tube ID) by special request only! Some tube ID's 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 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
 FC = Female Coupling
 FP = Flush Plug
 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 Run) 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 Combination
 LT = L-Tee, Thread to Tube
 (2 Branches at 90° L)
 M = Manifold
 MAN = In-Line Manifolds
 MB = Male Threaded Manifold Blanks
 MM = Mixed Barb Manifolds
 MT = Male Thread Tee Manifold
 MV = Male Thread V-Tee Manifold
 (Branches at 60°)
 MB = Microbore
 MBC = Microbore Coupling Connector
 MBT = 3-Way Microbore Connector
 MBX = 4-Way Microbore Connector
 MBY = Microbore Y Connector
 NANO = Smallest fittings made
 PN = P-Nose; Aggressive Barb
 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; Outlets at 60°
 RX = Reducing Cross
 RY = Reducing Y Connections
 (3 Branches)
 RAC = Rod Alignment Compensator/Coupler
 ST = Straights
 SW = Swivel
 SWLB = Swivel Elbows; GT Style
 SWN = Swivel Nipples; GT Style
 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 Medical White 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 type
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 **White Viton O-Rings.**

Gasket Seals

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

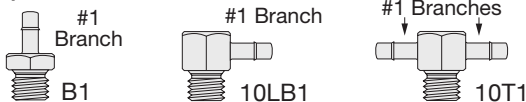
Optional materials available at an additional cost included: **EPDM, Viton, Silicone, Teflon®, Brass, & Stainless Steel.** Buna-N gasket may be substituted for fibre gaskets at **no additional cost**; the designation "**-Buna-N**" needs to be added to the end of the part number.

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

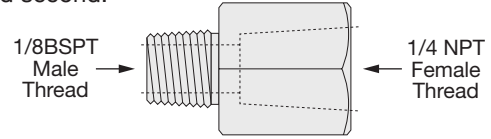
There is no extra cost for Electroless Nickel Plate on most parts.

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

6. Developing Part Numbers

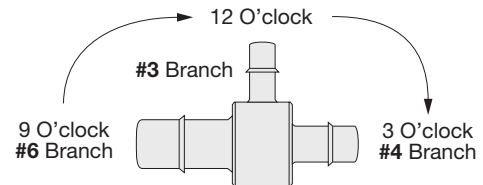
Use the convenient table on the previous page to select the barb numbers (sizes) corresponding to the internal diameters (I.D.) of the plastic tubing being used.

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.

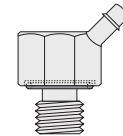


Example: RT6-3-4 (Line # 29, Page 22)

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



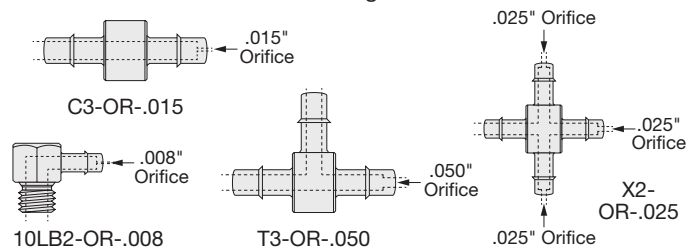
Substitution:

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
- Gold Plating
- Oxygen Cleaning
- 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
OR = Orifice
PF = Press Fit

PTC = Push To Connect (Smooth Stems)
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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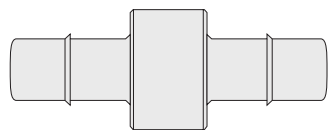
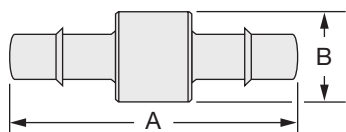
Limited Warranty

	553
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A

Couplings

1



C7

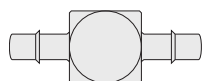


C1



C3

NEW: Square Body Couplings!
See page 516!



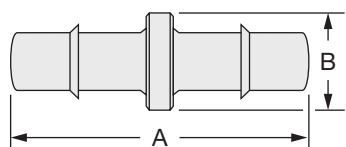
C10

Couplings with 3/8" Tube ID's or larger are available in various body widths. 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 Dia.
1/32	C.031	C.031-SS	C.031-316SS	C.031-AL	C.031-NP	9/16	1/4
.040 / 1mm	C.040	C.040-SS	C.040-316SS	C.040-AL	C.040-NP	9/16	1/4
3/64	C.045	C.045-SS	C.045-316SS	C.045-AL	C.045-NP	9/16	1/4
.050	C.050	C.050-SS	C.050-316SS	C.050-AL	C.050-NP	9/16	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	4 1/64	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	15/16	7/16
1/4	C6	C6-SS	C6-316SS	C6-AL	C6-NP	15/16	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	5/8
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



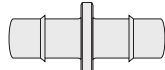
C.045-SL



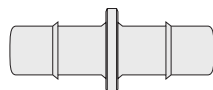
C1-SL



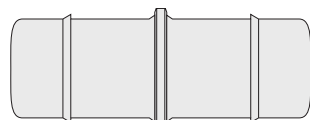
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C5-SL



C6-SL

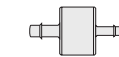
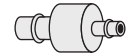
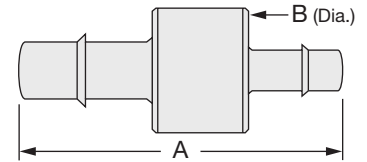


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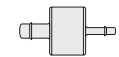
Tube ID	Part Numbers					Dimensions (Reference)	
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Dia.
1/32	C.031-SL	C.031-SL-SS	C.031-SL-316SS	C.031-SL-AL	C.031-SL-NP	3/8	5/32
.040 / 1mm	C.040-SL	C.040-SL-SS	C.040-SL-316SS	C.040-SL-AL	C.040-SL-NP	3/8	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	1 1/16	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	1 1/16	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	7/16
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	15/16	5/8
3/8	C8-SL	C8-SL-SS	C8-SL-316SS	C8-SL-AL	C8-SL-NP	1 7/8	7/16
1/2	C10-SL	C10-SL-SS	C10-SL-316SS	C10-SL-AL	C10-SL-NP	15/16	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.

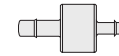
Tube ID		Part Numbers					Dimensions (Reference)	
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Dia.
.040 / 1mm	1/32	RC.040-.031	RC.040-.031-SS	RC.040-.031-316SS	RC.040-.031-AL	RC.040-.031-NP	9/16	1/4
3/64	1/32	RC.045-.031	RC.045-.031-SS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



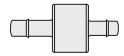
RC.045-.040



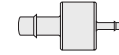
RC.050-.031



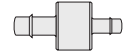
RC1-.045



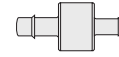
RC1-.050



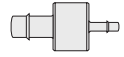
RC2-.031



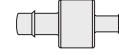
RC2-.050



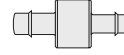
RC2-1



RC2 1/2-.040



RC2 1/2-1



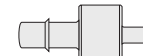
RC2 1/2-2



RC3-.031



RC3-.045



RC3-1



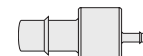
RC3-2



RC3 1/2-1



RC3 1/2-2 1/2



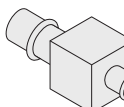
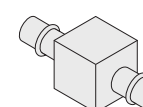
RC3 1/2-.040



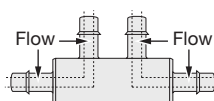
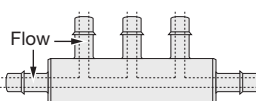
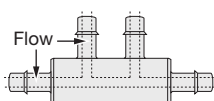
RC3 1/2-3

Continued on next page

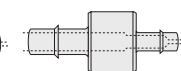
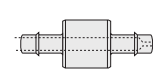
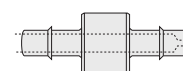
NEW: Square Body Couplings!
See page 516 for details!



Coupling Manifolds also available! See pages 502-503!

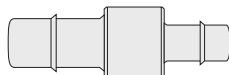
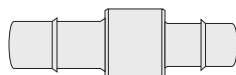
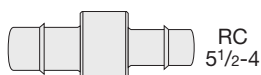
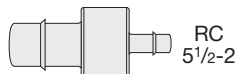
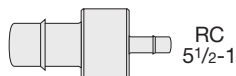
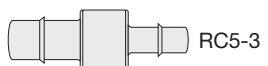
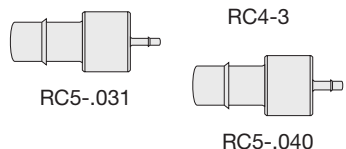
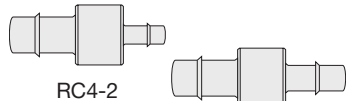
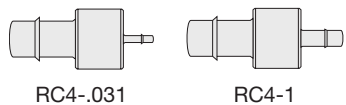
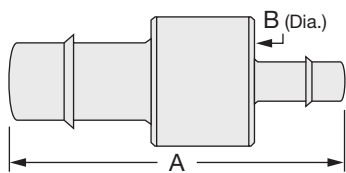


Orifice options available! See page 440!



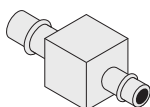
A Reducing Couplings

4



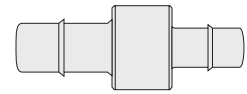
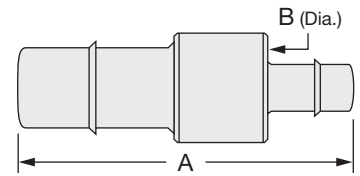
Continued on next page

NEW: Square Body Reducing Couplings!
See page 516!

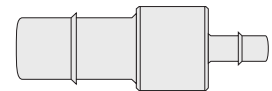


Tube ID		Part Numbers					Dimensions (Reference)	
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Dia.
5/32	1/16	RC3 1/2-1	RC3 1/2-1-SS	RC3 1/2-1-316SS	RC3 1/2-1-AL	RC3 1/2-1-NP	3/4	5/16
5/32	5/64 / 2mm	RC3 1/2-2	RC3 1/2-2-SS	RC3 1/2-2-316SS	RC3 1/2-2-AL	RC3 1/2-2-NP	3/4	5/16
5/32	3/32	RC3 1/2-2 1/2	RC3 1/2-2 1/2-SS	RC3 1/2-2 1/2-316SS	RC3 1/2-2 1/2-AL	RC3 1/2-2 1/2-NP	3/4	5/16
5/32	1/8	RC3 1/2-3	RC3 1/2-3-SS	RC3 1/2-3-316SS	RC3 1/2-3-AL	RC3 1/2-3-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	RC4-2 1/2	RC4-2 1/2-SS	RC4-2 1/2-316SS	RC4-2 1/2-AL	RC4-2 1/2-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	RC4-3 1/2	RC4-3 1/2-SS	RC4-3 1/2-316SS	RC4-3 1/2-AL	RC4-3 1/2-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	RC5-2 1/2	RC5-2 1/2-SS	RC5-2 1/2-316SS	RC5-2 1/2-AL	RC5-2 1/2-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	RC5-3 1/2	RC5-3 1/2-SS	RC5-3 1/2-316SS	RC5-3 1/2-AL	RC5-3 1/2-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	RC5 1/2-1	RC5 1/2-1-SS	RC5 1/2-1-316SS	RC5 1/2-1-AL	RC5 1/2-1-NP	27/32	3/8
7/32	5/64 / 2mm	RC5 1/2-2	RC5 1/2-2-SS	RC5 1/2-2-316SS	RC5 1/2-2-AL	RC5 1/2-2-NP	27/32	3/8
7/32	3/32	RC5 1/2-2 1/2	RC5 1/2-2 1/2-SS	RC5 1/2-2 1/2-316SS	RC5 1/2-2 1/2-AL	RC5 1/2-2 1/2-NP	27/32	3/8
7/32	1/8	RC5 1/2-3	RC5 1/2-3-SS	RC5 1/2-3-316SS	RC5 1/2-3-AL	RC5 1/2-3-NP	15/16	3/8
7/32	5/32 / 4mm	RC5 1/2-3 1/2	RC5 1/2-3 1/2-SS	RC5 1/2-3 1/2-316SS	RC5 1/2-3 1/2-AL	RC5 1/2-3 1/2-NP	15/16	3/8
7/32	.170	RC5 1/2-4	RC5 1/2-4-SS	RC5 1/2-4-316SS	RC5 1/2-4-AL	RC5 1/2-4-NP	31/32	3/8
7/32	3/16	RC5 1/2-5	RC5 1/2-5-SS	RC5 1/2-5-316SS	RC5 1/2-5-AL	RC5 1/2-5-NP	1.00	3/8
6mm	1/16	RC5 3/4-1	RC5 3/4-1-SS	RC5 3/4-1-316SS	RC5 3/4-1-AL	RC5 3/4-1-NP	1 1/32	3/8
6mm	5/64 / 2mm	RC5 3/4-2	RC5 3/4-2-SS	RC5 3/4-2-316SS	RC5 3/4-2-AL	RC5 3/4-2-NP	1 1/32	3/8
6mm	3/32	RC5 3/4-2 1/2	RC5 3/4-2 1/2-SS	RC5 3/4-2 1/2-316SS	RC5 3/4-2 1/2-AL	RC5 3/4-2 1/2-NP	1 1/32	3/8
6mm	1/8	RC5 3/4-3	RC5 3/4-3-SS	RC5 3/4-3-316SS	RC5 3/4-3-AL	RC5 3/4-3-NP	1 1/8	3/8
6mm	5/32 / 4mm	RC5 3/4-3 1/2	RC5 3/4-3 1/2-SS	RC5 3/4-3 1/2-316SS	RC5 3/4-3 1/2-AL	RC5 3/4-3 1/2-NP	1 1/8	3/8
6mm	.170	RC5 3/4-4	RC5 3/4-4-SS	RC5 3/4-4-316SS	RC5 3/4-4-AL	RC5 3/4-4-NP	1 3/32	3/8

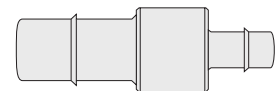
Tube ID		Part Numbers					Dimensions (Reference)	
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Dia.
6mm	3/16	RC5 ^{3/4} -5	RC5 ^{3/4} -5-SS	RC5 ^{3/4} -5-316SS	RC5 ^{3/4} -5-AL	RC5 ^{3/4} -5-NP	1 3/16	3/8
6mm	7/32	RC5 ^{3/4} -5 1/2	RC5 ^{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



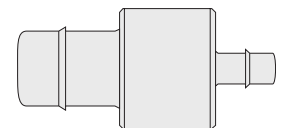
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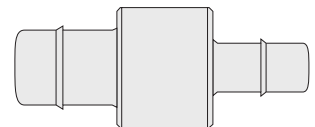
RC7-3



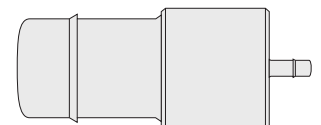
RC7-4



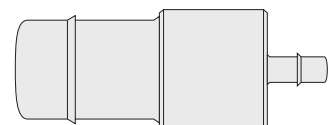
RC8-3 1/2



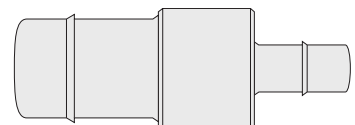
RC8-6



RC10-1



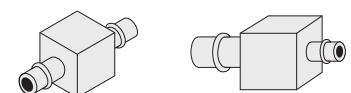
RC10-3



RC10-5 3/4

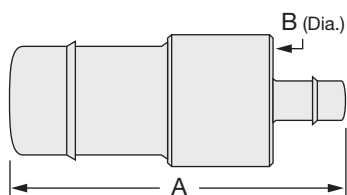
Continued on next page

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

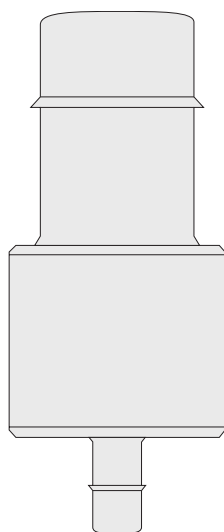


A Reducing Couplings (cont.)

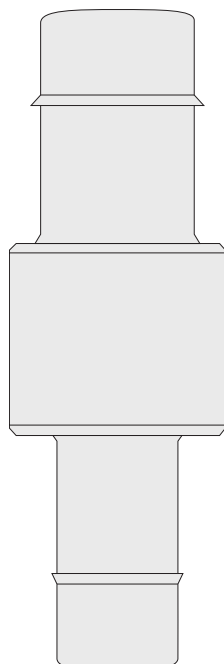
6



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	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory
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 pages 440 for details

7

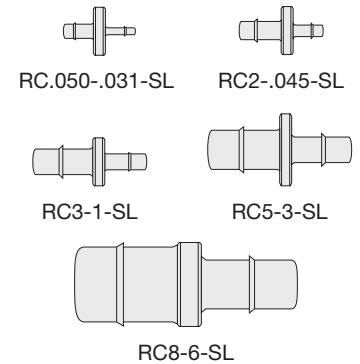
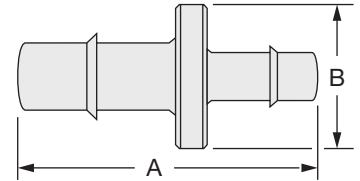
Slim Line Reducing Couplings

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.

Part Numbers for Reducing Slim Line Couplings:

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

- Larger Branch

- Smaller 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 **-AL** = Aluminum **-NP** = Electroless Nickel Plate

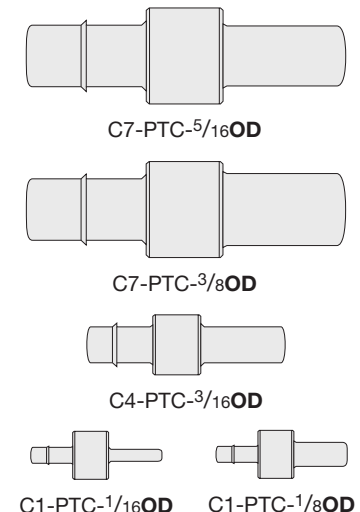
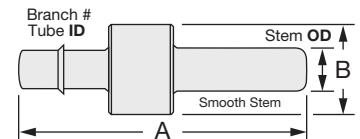
8

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!



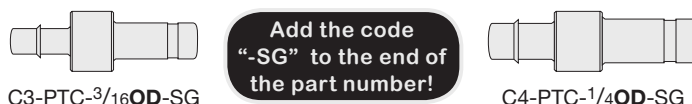
Part Numbers for Push to Connect Couplings:

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

- Branch

PTC - Push To Connect Indicator

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



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

Consult
factory
for
details!

Metric Stem options also available!

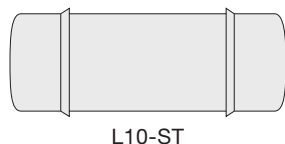
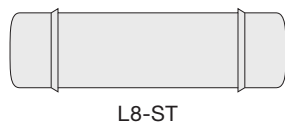
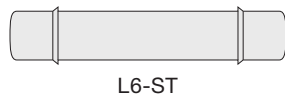
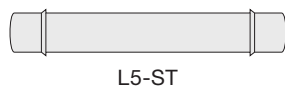
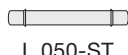
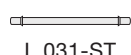
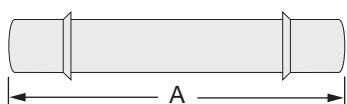


Unless otherwise specified, parts will be Brass. To order other materials, please add the following codes to the part number:
-SS = Stainless Steel 303 **-316SS** = Stainless Steel 316 **-NP** = Electroless Nickel Plate

A

Straights

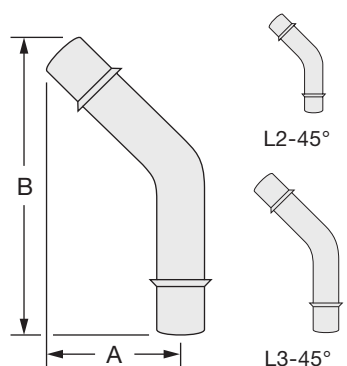
9



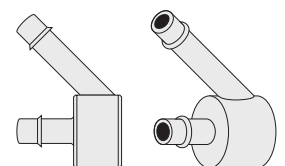
Tube ID	Part Numbers					Dimensions (Reference)	
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	
1/32	L.031-ST	L.031-ST-SS	L.031-ST-316SS	L.031-ST-AL	L.031-ST-NP	5/8	
.040 / 1mm	L.040-ST	L.040-ST-SS	L.040-ST-316SS	L.040-ST-AL	L.040-ST-NP	5/8	
3/64	L.045-ST	L.045-ST-SS	L.045-ST-316SS	L.045-ST-AL	L.045-ST-NP	5/8	
.050	L.050-ST	L.050-ST-SS	L.050-ST-316SS	L.050-ST-AL	L.050-ST-NP	5/8	
1/16	L1-ST	L1-ST-SS	L1-ST-316SS	L1-ST-AL	L1-ST-NP	5/8	
5/64 / 2mm	L2-ST	L2-ST-SS	L2-ST-316SS	L2-ST-AL	L2-ST-NP	5/8	
3/32	L2 1/2-ST	L2 1/2-ST-SS	L2 1/2-ST-316SS	L2 1/2-ST-AL	L2 1/2-ST-NP	5/8	
1/8	L3-ST	L3-ST-SS	L3-ST-316SS	L3-ST-AL	L3-ST-NP	27/32	
5/32 / 4mm	L3 1/2-ST	L3 1/2-ST-SS	L3 1/2-ST-316SS	L3 1/2-ST-AL	L3 1/2-ST-NP	1.00	
.170	L4-ST	L4-ST-SS	L4-ST-316SS	L4-ST-AL	L4-ST-NP	1 1/32	
3/16	L5-ST	L5-ST-SS	L5-ST-316SS	L5-ST-AL	L5-ST-NP	1 7/16	
7/32	L5 1/2-ST	L5 1/2-ST-SS	L5 1/2-ST-316SS	L5 1/2-ST-AL	L5 1/2-ST-NP	1 7/16	
6mm	L5 3/4-ST	L5 3/4-ST-SS	L5 3/4-ST-316SS	L5 3/4-ST-AL	L5 3/4-ST-NP	1 7/16	
1/4	L6-ST	L6-ST-SS	L6-ST-316SS	L6-ST-AL	L6-ST-NP	1 7/16	
5/16 / 8mm	L7-ST	L7-ST-SS	L7-ST-316SS	L7-ST-AL	L7-ST-NP	1 7/16	
3/8	L8-ST	L8-ST-SS	L8-ST-316SS	L8-ST-AL	L8-ST-NP	1 7/16	
1/2	L10-ST	L10-ST-SS	L10-ST-316SS	L10-ST-AL	L10-ST-NP	1 7/16	
5/8	L11-ST	L11-ST-SS	L11-ST-316SS	L11-ST-AL	L11-ST-NP	2.00	
3/4	L12-ST	L12-ST-SS	L12-ST-316SS	L12-ST-AL	L12-ST-NP	2.00	

45° Elbows

10



Other 45° options available!
Consult factory for details!



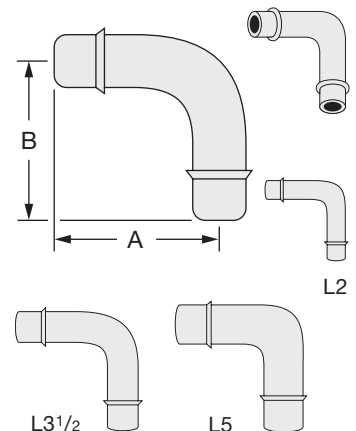
Tube ID	Part Numbers					Dimensions (Reference)	
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Ref.
1/32	L.031-45°	L.031-45°-SS	L.031-45°-316SS	L.031-45°-AL	L.031-45°-NP	Consult Factory	Consult Factory
.040 / 1mm	L.040-45°	L.040-45°-SS	L.040-45°-316SS	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

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	1/4	1/4
5/64 / 2mm	L2	L2-SS	L2-316SS	L2-AL	L2-NP	3/8	3/8
3/32	L2 1/2	L2 1/2-SS	L2 1/2-316SS	L2 1/2-AL	L2 1/2-NP	1/2	1/2
1/8	L3	L3-SS	L3-316SS	L3-AL	L3-NP	9/16	9/16
5/32 / 4mm	L3 1/2	L3 1/2-SS	L3 1/2-316SS	L3 1/2-AL	L3 1/2-NP	9/16	9/16
.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	9/16	9/16

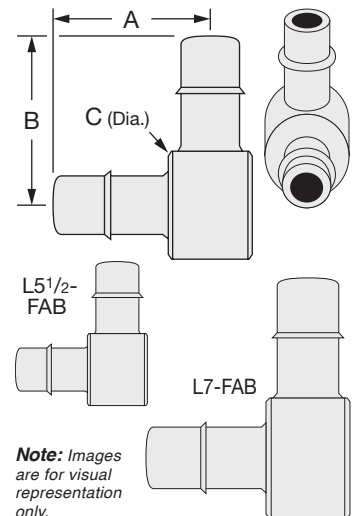


12

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 Ref.	C Dia.
7/32	L5 1/2-FAB	L5 1/2-FAB-SS	L5 1/2-FAB-316SS	N/A	L5 1/2-FAB-NP	2 1/32	17/32	7/16
6mm	L5 3/4-FAB	L5 3/4-FAB-SS	L5 3/4-FAB-316SS	N/A	L5 3/4-FAB-NP	2 1/32	23/32	7/16
1/4	L6-FAB	L6-FAB-SS	L6-FAB-316SS	L6-FAB-AL	L6-FAB-NP	27/32	23/32	7/16
5/16 / 8mm	L7-FAB	L7-FAB-SS	L7-FAB-316SS	N/A	L7-FAB-NP	47/64	15/16	5/8
3/8	L8-FAB	L8-FAB-SS	L8-FAB-316SS	L8-FAB-AL	L8-FAB-NP	3/4	27/32	5/8
1/2	L10-FAB	L10-FAB-SS	L10-FAB-316SS	L10-FAB-AL	L10-FAB-NP	1 1/16	15/64	3/4
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: Elbows with Branches 5 1/2 and larger are only available as Fabricated Elbows. Smaller branches are available upon request!



Note: Images are for visual representation only.

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90° Reducing Fabricated Elbows

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

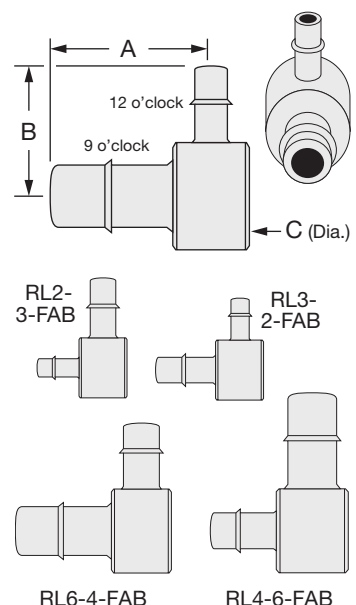
Branches		Dimensions (Reference)	
Tube ID	Branch Number	A Ref.	B Dia.
.170	4	Consult Factory	Consult Factory
3/16	5	Consult Factory	Consult Factory
7/32	5 1/2	Consult Factory	Consult Factory
6mm	5 3/4	Consult Factory	Consult Factory
1/4	6	Consult Factory	Consult Factory

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

Part Numbers for Reducing Fabricated Elbows:

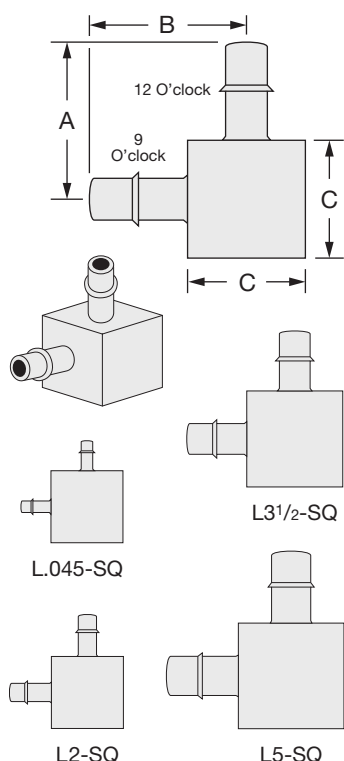
Fitting Series	RL	#	-	#	-	FAB	Fabricated Indicator
		9 O'clock Branch		12 O'clock Branch			

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



A Square Body Elbows

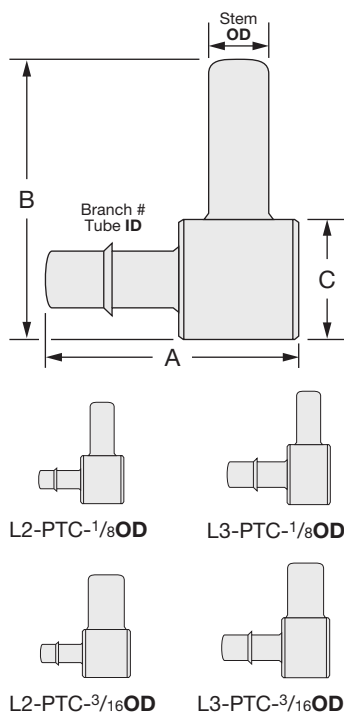
14



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	1 1/32	1 1/32	3/8
.040 / 1mm	L.040-SQ	L.040-SQ-SS	L.040-SQ-316SS	L.040-SQ-NP	1 1/32	1 1/32	3/8
3/64	L.045-SQ	L.045-SQ-SS	L.045-SQ-316SS	L.045-SQ-NP	1 1/32	1 1/32	3/8
.050	L.050-SQ	L.050-SQ-SS	L.050-SQ-316SS	L.050-SQ-NP	1 1/32	1 1/32	3/8
1/16	L1-SQ	L1-SQ-SS	L1-SQ-316SS	L1-SQ-NP	1 3/32	1 3/32	3/8
5/64 / 2mm	L2-SQ	L2-SQ-SS	L2-SQ-316SS	L2-SQ-NP	1 3/32	1 3/32	3/8
3/32	L2 1/2-SQ	L2 1/2-SQ-SS	L2 1/2-SQ-316SS	L2 1/2-SQ-NP	1 3/32	1 3/32	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

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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		Push-to-Connect 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

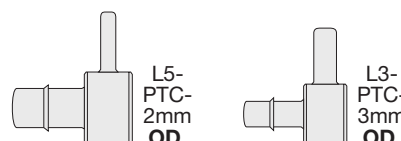
Push-to-Connect fittings are also available with Stem Groove!



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

Consult factory for details!

Metric Stem options also available!

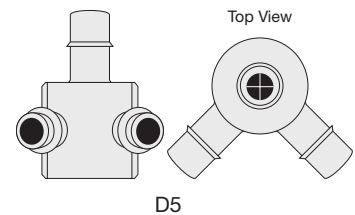
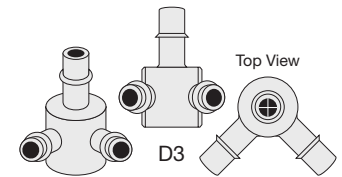
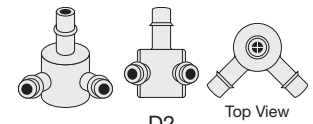
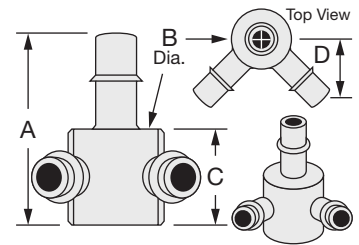


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Delta Fittings

A

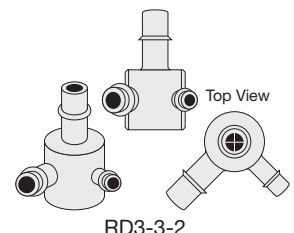
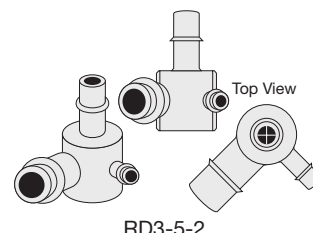
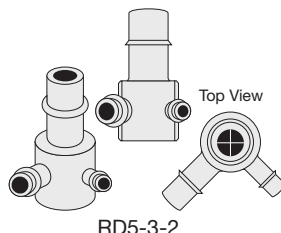
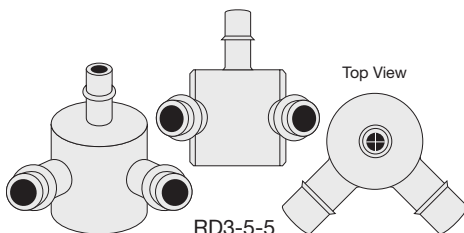
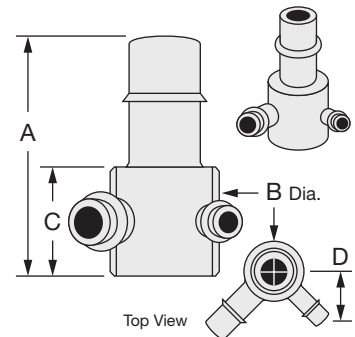
Tube ID	Part Numbers				Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.	D Ref.
1/16	D1	D1-SS	D1-316SS	D1-NP	Consult Factory	Consult Factory	Consult Factory	Consult Factory
5/64 / 2mm	D2	D2-SS	D2-316SS	D2-NP	Consult Factory	Consult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



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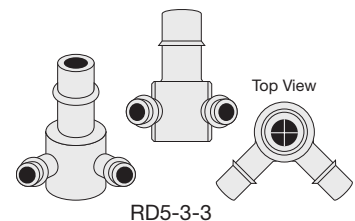
Reducing Delta Fittings

Branches		Dimensions (Reference)				Branches		Dimensions (Reference)				Branches		Dimensions (Reference)			
Tube ID	Branch #	A Ref.	B Dia.	C Ref.	D Ref.	Tube ID	Branch #	A Ref.	B Dia.	C Ref.	D Ref.	Tube ID	Branch #	A Ref.	B Dia.	C Ref.	D Ref.
1/16	1	Consult Factory	Consult Factory	Consult Factory	Consult Factory	.170	4	Consult Factory	Consult Factory	Consult Factory	Consult Factory	5/16 / 8mm	7	Consult Factory	Consult Factory	Consult Factory	Consult Factory
5/64 / 2mm	2	Consult Factory	Consult Factory	Consult Factory	Consult Factory	3/16	5	Consult Factory	Consult Factory	Consult Factory	Consult Factory	3/8	8	Consult Factory	Consult Factory	Consult Factory	Consult Factory
3/32	2 1/2	Consult Factory	Consult Factory	Consult Factory	Consult Factory	7/32	5 1/2	Consult Factory	Consult Factory	Consult Factory	Consult Factory	1/2	10	Consult Factory	Consult Factory	Consult Factory	Consult Factory
1/8	3	Consult Factory	Consult Factory	Consult Factory	Consult Factory	6mm	5 3/4	Consult Factory	Consult Factory	Consult Factory	Consult Factory	5/8	11	Consult Factory	Consult Factory	Consult Factory	Consult Factory
5/32 / 4mm	3 1/2	Consult Factory	Consult Factory	Consult Factory	Consult Factory	1/4	6	Consult Factory	Consult Factory	Consult Factory	Consult Factory	3/4	12	Consult Factory	Consult Factory	Consult Factory	Consult Factory



Part Numbers for Reducing Delta Fittings:									
Fitting Series	RD	#	-	#	-	#	Third Branch #		
		First (top) Branch #		Second 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

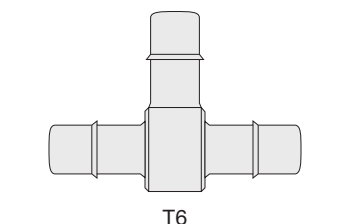
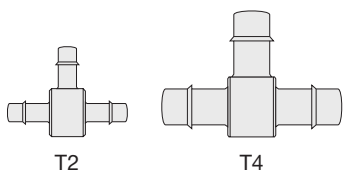
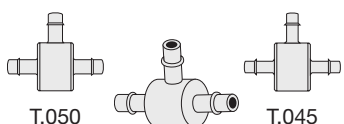
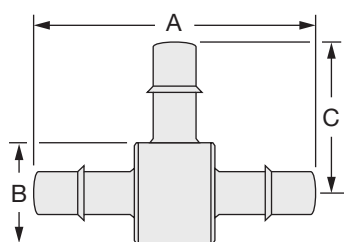


Note: Images are for visual representation only.

A

Tees

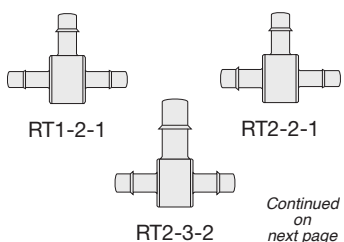
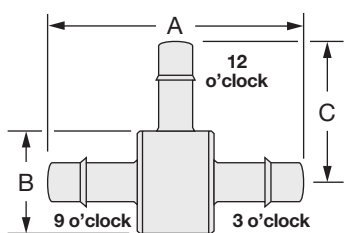
18



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	11/32
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	15/32
.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	15/16	7/16	23/32
1/4	T6	T6-SS	T6-316SS	T6-NP	15/16	7/16	23/32
5/16 / 8mm	T7	T7-SS	T7-316SS	T7-NP	121/32	5/8	15/16
3/8	T8	T8-SS	T8-316SS	T8-NP	133/64	5/8	27/32
1/2	T10	T10-SS	T10-316SS	T10-NP	21/16	3/4	11/16
5/8	T11	T11-SS	T11-316SS	T11-NP	21/8	11/8	7/8
3/4	T12	T12-SS	T12-316SS	T12-NP	21/8	11/8	7/8

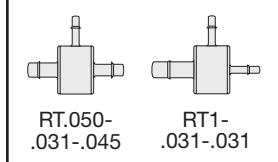
Reducing Tees

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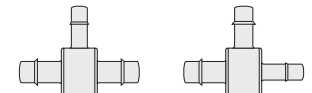
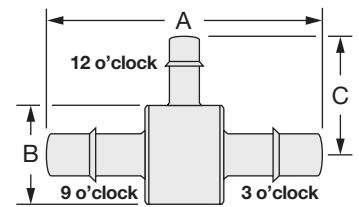
Continued on next page

Smaller branches available!

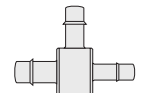


Tube ID			Part Numbers				Dimensions (Reference)		
9 O'clock	12 O'clock	3 O'clock	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Ref.	C Dia.
1/16	5/64 / 2mm	1/16	RT1-2-1	RT1-2-1-SS	RT1-2-1-316SS	RT1-2-1-NP	5/8	1/4	11/32
1/16	3/32	1/16	RT1-2 1/2-1	RT1-2 1/2-1-SS	RT1-2 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	15/32
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	15/32
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	5/16	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	5/16	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	5/16	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	5/16	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

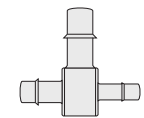
Tube ID			Part Numbers				Dimensions (Reference)		
9 O'clock	12 O'clock	3 O'clock	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Ref.	C Dia.
5/64 / 2mm	.170	5/64 / 2mm	RT2-4-2	RT2-4-2-SS	RT2-4-2-316SS	RT2-4-2-NP	11/16	5/16	1/2
3/32	1/16	5/64 / 2mm	RT2 1/2-1-1	RT2 1/2-1-1-SS	RT2 1/2-1-1-316SS	RT2 1/2-1-1-NP	5/8	9/32	11/32
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	11/32
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	11/32
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	11/32
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	11/32
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	11/32
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	11/32
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	11/32
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	21/32	5/16	7/16
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	21/32	5/16	7/16
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	21/32	5/16	7/16
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	21/32	5/16	7/16
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	21/32	5/16	7/16
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	21/32	5/16	7/16
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	15/32
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	15/32
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	15/32
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	15/32
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



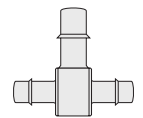
RT2 1/2-1-2 1/2



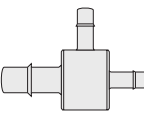
RT2 1/2-2-1



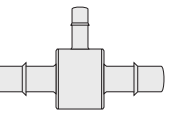
RT2 1/2-3-1



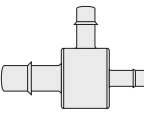
RT2 1/2-3-2 1/2



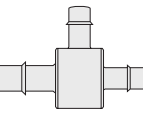
RT3-1-1



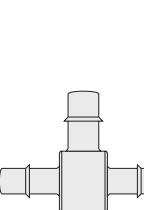
RT3-1-3



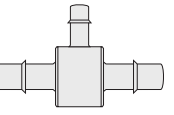
RT3-2-1



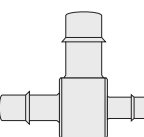
RT3-2 1/2-2 1/2



RT3-3 1/2-3



RT3-2-3

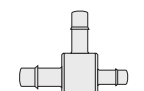


RT3-4-1

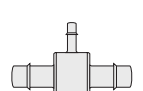
RT3-4-2 1/2

Continued on
next page

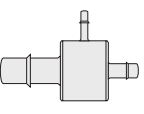
Smaller branches available!
Consult factory for details!



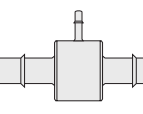
RT2-2-.050



RT2 1/2-.040-2 1/2



RT3-.031-.050

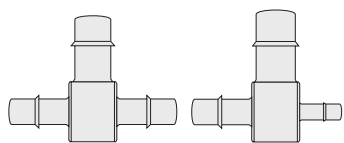
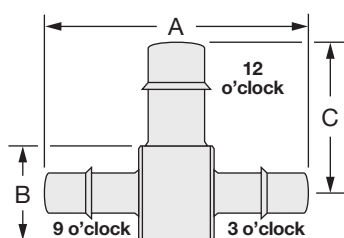


RT3-.031-3

NEW: Square Body Reducing Tees! See page 518!

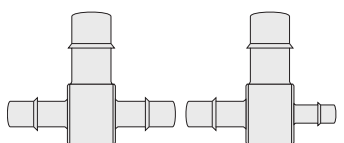
A Reducing Tees (cont.)

21



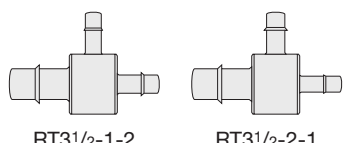
RT3-4-3

RT3-5-1



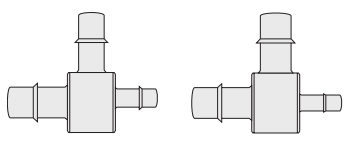
RT3-5-3

RT3-5-2



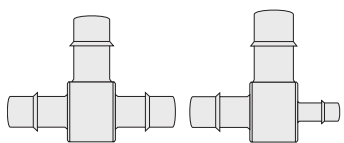
RT3 1/2-1-2

RT3 1/2-2-1



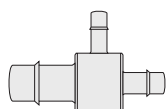
RT3 1/2-3-2

RT3 1/2-3 1/2-1



RT3 1/2-4-3 1/2

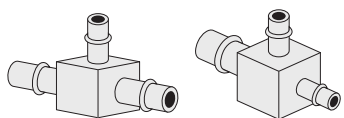
RT3 1/2-5-2



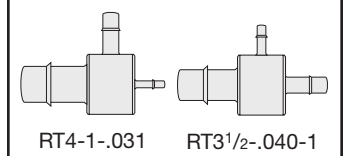
RT4-1-2 1/2

Continued on next page

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



Smaller branch sizes available! Consult factory for details!

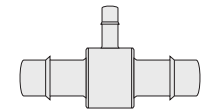
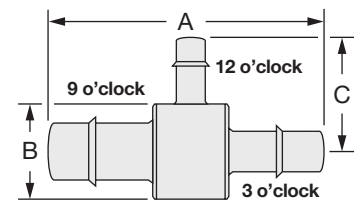


RT4-1-.031

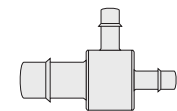
RT3 1/2-.040-1

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 Ref.	C Dia.
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	15/32
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	15/32
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	15/32
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	15/32
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

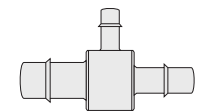
Tube ID			Part Numbers				Dimensions (Reference)		
9 O'clock	12 O'clock	3 O'clock	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Ref.	C Dia.
.170	1/16	1/8	RT4-1-3	RT4-1-3-SS	RT4-1-3-316SS	RT4-1-3-NP	29/32	5/16	3/8
.170	1/16	5/32 / 4mm	RT4-1-3 1/2	RT4-1-3 1/2-SS	RT4-1-3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



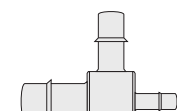
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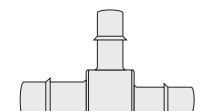
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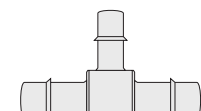
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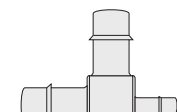
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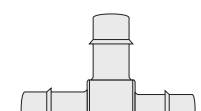
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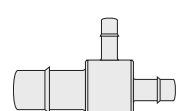
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RT4-4-1



RT4-4-3 1/2

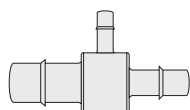
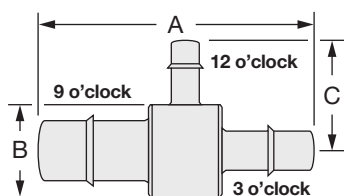


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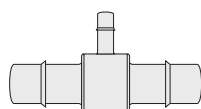
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next page

A Reducing Tees (cont.)

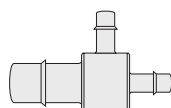
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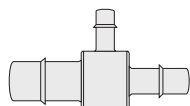
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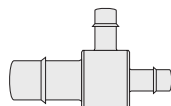
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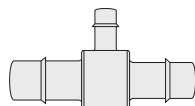
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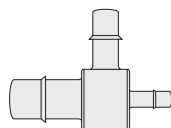
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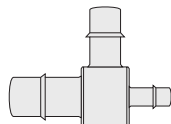
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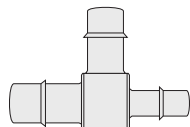
RT5-2 1/2-4



RT5-3-1



RT5-3 1/2-2



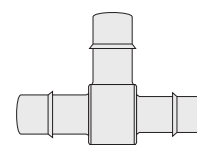
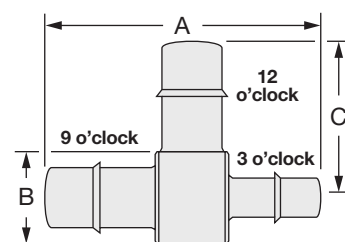
RT5-4-3

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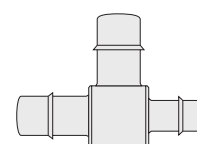
Smaller branch sizes available!

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 Ref.	C Dia.
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	3/8	13/32
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	3/8	13/32
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	3/8	13/32
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	3/8	13/32
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	3/8	13/32
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	3/8	13/32
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	3/8	13/32
3/16	1/8	5/64 / 2mm	RT5-3-2	RT5-3-2-SS	RT5-3-2-316SS	RT5-3-2-NP	27/32	3/8	1/2
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	3/8	1/2
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	3/8	1/2
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	3/8	1/2
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	3/8	1/2
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	3/8	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	3/8	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	3/8	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	1/2
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	1/2
3/16	.170	.170	RT5-4-4	RT5-4-4-SS	RT5-4-4-316SS	RT5-4-4-NP	31/32	3/8	1/2
3/16	.170	3/16	RT5-4-5	RT5-4-5-SS	RT5-4-5-316SS	RT5-4-5-NP	1.00	3/8	1/2
3/16	3/16	1/16	RT5-5-1	RT5-5-1-SS	RT5-5-1-316SS	RT5-5-1-NP	27/32	3/8	9/16

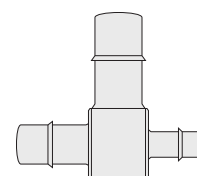
Tube ID			Part Numbers				Dimensions (Reference)		
9 O'clock	12 O'clock	3 O'clock	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Ref.	C Dia.
3/16	3/16	5/64 / 2mm	RT5-5-2	RT5-5-2-SS	RT5-5-2-316SS	RT5-5-2-NP	27/32	3/8	9/16
3/16	3/16	3/32	RT5-5-2 1/2	RT5-5-2 1/2-SS	RT5-5-2 1/2-316SS	RT5-5-2 1/2-NP	27/32	3/8	9/16
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	3/8	9/16
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	3/8	9/16
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	3/8	9/16
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	1 1/16
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	1 1/16
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	1 1/16
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	1 1/16
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	1 1/16
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	1 1/16
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	1 1/16
3/16	1/4	1/16	RT5-6-1	RT5-6-1-SS	RT5-6-1-316SS	RT5-6-1-NP	29/32	3/8	23/32
3/16	1/4	5/64 / 2mm	RT5-6-2	RT5-6-2-SS	RT5-6-2-316SS	RT5-6-2-NP	29/32	3/8	23/32
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	3/8	23/32
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	23/32
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	23/32
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	23/32
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	23/32
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	3/8	13/32
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	3/8	13/32
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	3/8	13/32
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	3/8	13/32
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	3/8	13/32
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	3/8	13/32
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



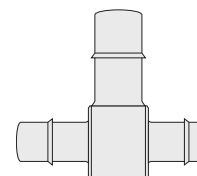
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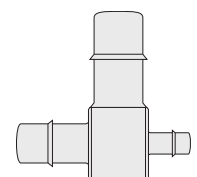
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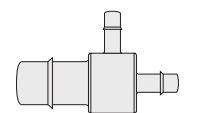
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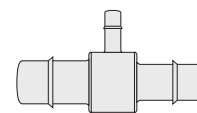
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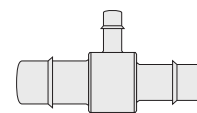
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RT5 1/2-1-2



RT5 1/2-1-4

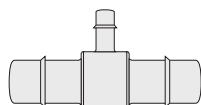
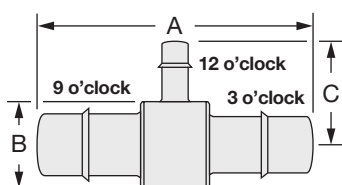


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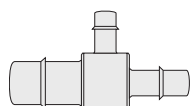
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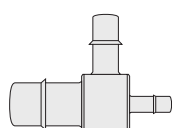
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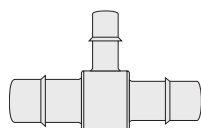
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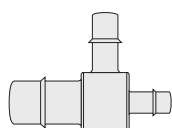
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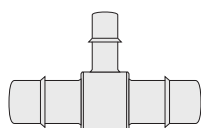
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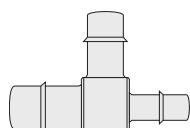
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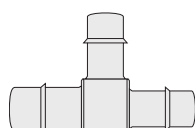
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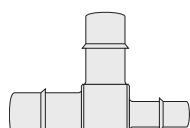
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RT51/2-4-3



RT51/2-4-4

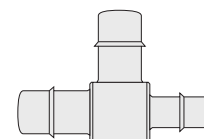
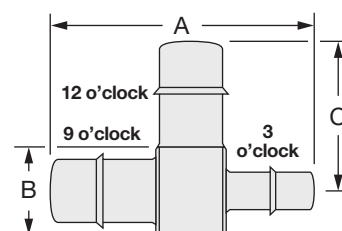


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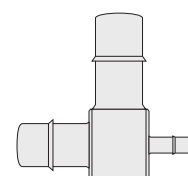
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Tube ID			Part Numbers				Dimensions (Reference)		
9 O'clock	12 O'clock	3 O'clock	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Ref.	C Dia.
7/32	5/64 / 2mm	3/16	RT51/2-2-5	RT51/2-2-5-SS	RT51/2-2-5-316SS	RT51/2-2-5-NP	1.00	3/8	13/32
7/32	5/64 / 2mm	7/32	RT51/2-2-5 1/2	RT51/2-2-5 1/2-SS	RT51/2-2-5 1/2-316SS	RT51/2-2-5 1/2-NP	1.00	3/8	13/32
7/32	3/32	1/16	RT51/2-2 1/2-1	RT51/2-2 1/2-1-SS	RT51/2-2 1/2-1-316SS	RT51/2-2 1/2-1-NP	27/32	3/8	13/32
7/32	3/32	5/64 / 2mm	RT51/2-2 1/2-2	RT51/2-2 1/2-2-SS	RT51/2-2 1/2-2-316SS	RT51/2-2 1/2-2-NP	27/32	3/8	13/32
7/32	3/32	3/32	RT51/2-2 1/2-2 1/2	RT51/2-2 1/2-2 1/2-SS	RT51/2-2 1/2-2 1/2-316SS	RT51/2-2 1/2-2 1/2-NP	27/32	3/8	13/32
7/32	3/32	1/8	RT51/2-2 1/2-3	RT51/2-2 1/2-3-SS	RT51/2-2 1/2-3-316SS	RT51/2-2 1/2-3-NP	15/16	3/8	13/32
7/32	3/32	5/32 / 4mm	RT51/2-2 1/2-3 1/2	RT51/2-2 1/2-3 1/2-SS	RT51/2-2 1/2-3 1/2-316SS	RT51/2-2 1/2-3 1/2-NP	1.00	3/8	13/32
7/32	3/32	.170	RT51/2-2 1/2-4	RT51/2-2 1/2-4-SS	RT51/2-2 1/2-4-316SS	RT51/2-2 1/2-4-NP	31/32	3/8	13/32
7/32	3/32	3/16	RT51/2-2 1/2-5	RT51/2-2 1/2-5-SS	RT51/2-2 1/2-5-316SS	RT51/2-2 1/2-5-NP	1.00	3/8	13/32
7/32	3/32	7/32	RT51/2-2 1/2-5 1/2	RT51/2-2 1/2-5 1/2-SS	RT51/2-2 1/2-5 1/2-316SS	RT51/2-2 1/2-5 1/2-NP	1 1/16	3/8	13/32
7/32	1/8	1/16	RT51/2-3-1	RT51/2-3-1-SS	RT51/2-3-1-316SS	RT51/2-3-1-NP	27/32	3/8	1/2
7/32	1/8	5/64 / 2mm	RT51/2-3-2	RT51/2-3-2-SS	RT51/2-3-2-316SS	RT51/2-3-2-NP	27/32	3/8	1/2
7/32	1/8	3/32	RT51/2-3-2 1/2	RT51/2-3-2 1/2-SS	RT51/2-3-2 1/2-316SS	RT51/2-3-2 1/2-NP	27/32	3/8	1/2
7/32	1/8	1/8	RT51/2-3-3	RT51/2-3-3-SS	RT51/2-3-3-316SS	RT51/2-3-3-NP	1.00	3/8	1/2
7/32	1/8	5/32 / 4mm	RT51/2-3-3 1/2	RT51/2-3-3 1/2-SS	RT51/2-3-3 1/2-316SS	RT51/2-3-3 1/2-NP	1.00	3/8	1/2
7/32	1/8	.170	RT51/2-3-4	RT51/2-3-4-SS	RT51/2-3-4-316SS	RT51/2-3-4-NP	31/32	3/8	1/2
7/32	1/8	3/16	RT51/2-3-5	RT51/2-3-5-SS	RT51/2-3-5-316SS	RT51/2-3-5-NP	1 1/16	3/8	1/2
7/32	1/8	7/32	RT51/2-3-5 1/2	RT51/2-3-5 1/2-SS	RT51/2-3-5 1/2-316SS	RT51/2-3-5 1/2-NP	1 1/16	3/8	1/2
7/32	5/32 / 4mm	1/16	RT51/2-3 1/2-1	RT51/2-3 1/2-1-SS	RT51/2-3 1/2-1-316SS	RT51/2-3 1/2-1-NP	27/32	3/8	1/2
7/32	5/32 / 4mm	5/64 / 2mm	RT51/2-3 1/2-2	RT51/2-3 1/2-2-SS	RT51/2-3 1/2-2-316SS	RT51/2-3 1/2-2-NP	27/32	3/8	1/2
7/32	5/32 / 4mm	3/32	RT51/2-3 1/2-2 1/2	RT51/2-3 1/2-2 1/2-SS	RT51/2-3 1/2-2 1/2-316SS	RT51/2-3 1/2-2 1/2-NP	27/32	3/8	1/2
7/32	5/32 / 4mm	1/8	RT51/2-3 1/2-3	RT51/2-3 1/2-3-SS	RT51/2-3 1/2-3-316SS	RT51/2-3 1/2-3-NP	1.00	3/8	1/2
7/32	5/32 / 4mm	5/32 / 4mm	RT51/2-3 1/2-3 1/2	RT51/2-3 1/2-3 1/2-SS	RT51/2-3 1/2-3 1/2-316SS	RT51/2-3 1/2-3 1/2-NP	1.00	3/8	1/2
7/32	5/32 / 4mm	.170	RT51/2-3 1/2-4	RT51/2-3 1/2-4-SS	RT51/2-3 1/2-4-316SS	RT51/2-3 1/2-4-NP	31/32	3/8	1/2
7/32	5/32 / 4mm	3/16	RT51/2-3 1/2-5	RT51/2-3 1/2-5-SS	RT51/2-3 1/2-5-316SS	RT51/2-3 1/2-5-NP	1.00	3/8	1/2
7/32	5/32 / 4mm	7/32	RT51/2-3 1/2-5 1/2	RT51/2-3 1/2-5 1/2-SS	RT51/2-3 1/2-5 1/2-316SS	RT51/2-3 1/2-5 1/2-NP	1 1/16	3/8	1/2
7/32	.170	1/16	RT51/2-4-1	RT51/2-4-1-SS	RT51/2-4-1-316SS	RT51/2-4-1-NP	27/32	3/8	1/2
7/32	.170	5/64 / 2mm	RT51/2-4-2	RT51/2-4-2-SS	RT51/2-4-2-316SS	RT51/2-4-2-NP	27/32	3/8	1/2
7/32	.170	3/32	RT51/2-4-2 1/2	RT51/2-4-2 1/2-SS	RT51/2-4-2 1/2-316SS	RT51/2-4-2 1/2-NP	27/32	3/8	1/2
7/32	.170	1/8	RT51/2-4-3	RT51/2-4-3-SS	RT51/2-4-3-316SS	RT51/2-4-3-NP	31/32	3/8	1/2
7/32	.170	5/32 / 4mm	RT51/2-4-3 1/2	RT51/2-4-3 1/2-SS	RT51/2-4-3 1/2-316SS	RT51/2-4-3 1/2-NP	1.00	3/8	1/2
7/32	.170	.170	RT51/2-4-4	RT51/2-4-4-SS	RT51/2-4-4-316SS	RT51/2-4-4-NP	1.00	3/8	1/2
7/32	.170	3/16	RT51/2-4-5	RT51/2-4-5-SS	RT51/2-4-5-316SS	RT51/2-4-5-NP	1 1/16	3/8	1/2
7/32	.170	7/32	RT51/2-4-5 1/2	RT51/2-4-5 1/2-SS	RT51/2-4-5 1/2-316SS	RT51/2-4-5 1/2-NP	1 1/16	3/8	1/2
7/32	3/16	1/16	RT51/2-5-1	RT51/2-5-1-SS	RT51/2-5-1-316SS	RT51/2-5-1-NP	27/32	3/8	9/16
7/32	3/16	5/64 / 2mm	RT51/2-5-2	RT51/2-5-2-SS	RT51/2-5-2-316SS	RT51/2-5-2-NP	27/32	3/8	9/16
7/32	3/16	3/32	RT51/2-5-2 1/2	RT51/2-5-2 1/2-SS	RT51/2-5-2 1/2-316SS	RT51/2-5-2 1/2-NP	27/32	3/8	9/16
7/32	3/16	1/8	RT51/2-5-3	RT51/2-5-3-SS	RT51/2-5-3-316SS	RT51/2-5-3-NP	1.00	3/8	9/16
7/32	3/16	5/32 / 4mm	RT51/2-5-3 1/2	RT51/2-5-3 1/2-SS	RT51/2-5-3 1/2-316SS	RT51/2-5-3 1/2-NP	1.00	3/8	9/16
7/32	3/16	.170	RT51/2-5-4	RT51/2-5-4-SS	RT51/2-5-4-316SS	RT51/2-5-4-NP	1.00	3/8	9/16

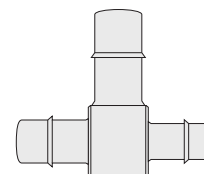
Tube ID			Part Numbers				Dimensions (Reference)		
9 O'clock	12 O'clock	3 O'clock	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Ref.	C Dia.
7/32	3/16	3/16	RT51/2-5-5	RT51/2-5-5-SS	RT51/2-5-5-316SS	RT51/2-5-5-NP	1 1/16	3/8	9/16
7/32	3/16	7/32	RT51/2-5-5 1/2	RT51/2-5-5 1/2-SS	RT51/2-5-5 1/2-316SS	RT51/2-5-5 1/2-NP	1 1/16	3/8	9/16
7/32	7/32	1/16	RT51/2-5 1/2-1	RT51/2-5 1/2-1-SS	RT51/2-5 1/2-1-316SS	RT51/2-5 1/2-1-NP	27/32	3/8	9/16
7/32	7/32	5/64 / 2mm	RT51/2-5 1/2-2	RT51/2-5 1/2-2-SS	RT51/2-5 1/2-2-316SS	RT51/2-5 1/2-2-NP	27/32	3/8	9/16
7/32	7/32	3/32	RT51/2-5 1/2-2 1/2	RT51/2-5 1/2-2 1/2-SS	RT51/2-5 1/2-2 1/2-316SS	RT51/2-5 1/2-2 1/2-NP	27/32	3/8	9/16
7/32	7/32	1/8	RT51/2-5 1/2-3	RT51/2-5 1/2-3-SS	RT51/2-5 1/2-3-316SS	RT51/2-5 1/2-3-NP	1.00	3/8	9/16
7/32	7/32	5/32 / 4mm	RT51/2-5 1/2-3 1/2	RT51/2-5 1/2-3 1/2-SS	RT51/2-5 1/2-3 1/2-316SS	RT51/2-5 1/2-3 1/2-NP	1.00	3/8	9/16
7/32	7/32	.170	RT51/2-5 1/2-4	RT51/2-5 1/2-4-SS	RT51/2-5 1/2-4-316SS	RT51/2-5 1/2-4-NP	27/32	3/8	9/16
7/32	7/32	3/16	RT51/2-5 1/2-5	RT51/2-5 1/2-5-SS	RT51/2-5 1/2-5-316SS	RT51/2-5 1/2-5-NP	1.00	3/8	9/16
7/32	6mm	1/16	RT51/2-5 3/4-1	RT51/2-5 3/4-1-SS	RT51/2-5 3/4-1-316SS	RT51/2-5 3/4-1-NP	29/32	3/8	9/16
7/32	6mm	5/64 / 2mm	RT51/2-5 3/4-2	RT51/2-5 3/4-2-SS	RT51/2-5 3/4-2-316SS	RT51/2-5 3/4-2-NP	29/32	3/8	1 1/16
7/32	6mm	3/32	RT51/2-5 3/4-2 1/2	RT51/2-5 3/4-2 1/2-SS	RT51/2-5 3/4-2 1/2-316SS	RT51/2-5 3/4-2 1/2-NP	29/32	3/8	1 1/16
7/32	6mm	1/8	RT51/2-5 3/4-3	RT51/2-5 3/4-3-SS	RT51/2-5 3/4-3-316SS	RT51/2-5 3/4-3-NP	1.00	3/8	1/2
7/32	6mm	5/32 / 4mm	RT51/2-5 3/4-3 1/2	RT51/2-5 3/4-3 1/2-SS	RT51/2-5 3/4-3 1/2-316SS	RT51/2-5 3/4-3 1/2-NP	1.00	3/8	1 1/16
7/32	6mm	.170	RT51/2-5 3/4-4	RT51/2-5 3/4-4-SS	RT51/2-5 3/4-4-316SS	RT51/2-5 3/4-4-NP	1 1/32	3/8	1 1/16
7/32	6mm	3/16	RT51/2-5 3/4-5	RT51/2-5 3/4-5-SS	RT51/2-5 3/4-5-316SS	RT51/2-5 3/4-5-NP	1 1/16	3/8	1 1/16
7/32	6mm	7/32	RT51/2-5 3/4-5 1/2	RT51/2-5 3/4-5 1/2-SS	RT51/2-5 3/4-5 1/2-316SS	RT51/2-5 3/4-5 1/2-NP	1 1/16	3/8	1 1/16
7/32	1/4	1/16	RT51/2-6-1	RT51/2-6-1-SS	RT51/2-6-1-316SS	RT51/2-6-1-NP	29/32	3/8	7/16
7/32	1/4	5/64 / 2mm	RT51/2-6-2	RT51/2-6-2-SS	RT51/2-6-2-316SS	RT51/2-6-2-NP	29/32	3/8	7/16
7/32	1/4	3/32	RT51/2-6-2 1/2	RT51/2-6-2 1/2-SS	RT51/2-6-2 1/2-316SS	RT51/2-6-2 1/2-NP	29/32	3/8	7/16
7/32	1/4	1/8	RT51/2-6-3	RT51/2-6-3-SS	RT51/2-6-3-316SS	RT51/2-6-3-NP	1.00	3/8	17/32
7/32	1/4	5/32 / 4mm	RT51/2-6-3 1/2	RT51/2-6-3 1/2-SS	RT51/2-6-3 1/2-316SS	RT51/2-6-3 1/2-NP	1 1/16	3/8	17/32
7/32	1/4	.170	RT51/2-6-4	RT51/2-6-4-SS	RT51/2-6-4-316SS	RT51/2-6-4-NP	1 1/32	3/8	17/32
7/32	1/4	3/16	RT51/2-6-5	RT51/2-6-5-SS	RT51/2-6-5-316SS	RT51/2-6-5-NP	1 1/16	3/8	19/32
7/32	1/4	7/32	RT51/2-6-5 1/2	RT51/2-6-5 1/2-SS	RT51/2-6-5 1/2-316SS	RT51/2-6-5 1/2-NP	1 1/16	7/16	19/32
6mm	1/16	1/16	RT53/4-1-1	RT53/4-1-1-SS	RT53/4-1-1-316SS	RT53/4-1-1-NP	1 1/32	3/8	23/32
6mm	1/16	5/64 / 2mm	RT53/4-1-2	RT53/4-1-2-SS	RT53/4-1-2-316SS	RT53/4-1-2-NP	1 1/32	3/8	23/32
6mm	1/16	3/32	RT53/4-1-2 1/2	RT53/4-1-2 1/2-SS	RT53/4-1-2 1/2-316SS	RT53/4-1-2 1/2-NP	1 1/32	3/8	23/32
6mm	1/16	1/8	RT53/4-1-3	RT53/4-1-3-SS	RT53/4-1-3-316SS	RT53/4-1-3-NP	1 1/8	3/8	23/32
6mm	1/16	5/32 / 4mm	RT53/4-1-3 1/2	RT53/4-1-3 1/2-SS	RT53/4-1-3 1/2-316SS	RT53/4-1-3 1/2-NP	1 1/8	7/16	23/32
6mm	1/16	.170	RT53/4-1-4	RT53/4-1-4-SS	RT53/4-1-4-316SS	RT53/4-1-4-NP	1 5/32	7/16	23/32
6mm	1/16	3/16	RT53/4-1-5	RT53/4-1-5-SS	RT53/4-1-5-316SS	RT53/4-1-5-NP	1 3/16	7/16	23/32
6mm	1/16	7/32	RT53/4-1-5 1/2	RT53/4-1-5 1/2-SS	RT53/4-1-5 1/2-316SS	RT53/4-1-5 1/2-NP	1 3/16	7/16	23/32
6mm	1/16	6mm	RT53/4-1-5 3/4	RT53/4-1-5 3/4-SS	RT53/4-1-5 3/4-316SS	RT53/4-1-5 3/4-NP	1 5/16	7/16	23/32
6mm	5/64 / 2mm	1/16	RT53/4-2-1	RT53/4-2-1-SS	RT53/4-2-1-316SS	RT53/4-2-1-NP	1 1/32	7/16	23/32
6mm	5/64 / 2mm	5/64 / 2mm	RT53/4-2-2	RT53/4-2-2-SS	RT53/4-2-2-316SS	RT53/4-2-2-NP	1 1/32	7/16	23/32
6mm	5/64 / 2mm	3/32	RT53/4-2-2 1/2	RT53/4-2-2 1/2-SS	RT53/4-2-2 1/2-316SS	RT53/4-2-2 1/2-NP	1 1/32	7/16	23/32
6mm	5/64 / 2mm	1/8	RT53/4-2-3	RT53/4-2-3-SS	RT53/4-2-3-316SS	RT53/4-2-3-NP	1 1/8	7/16	23/32
6mm	5/64 / 2mm	5/32 / 4mm	RT53/4-2-3 1/2	RT53/4-2-3 1/2-SS	RT53/4-2-3 1/2-316SS	RT53/4-2-3 1/2-NP	1 1/8	7/16	23/32
6mm	5/64 / 2mm	.170	RT53/4-2-4	RT53/4-2-4-SS	RT53/4-2-4-316SS	RT53/4-2-4-NP	1 5/32	7/16	23/32



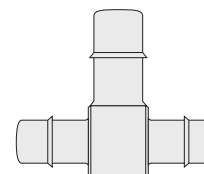
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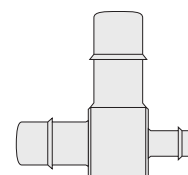
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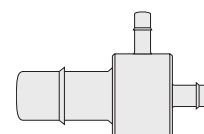
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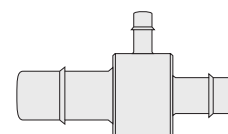
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RT51/2-6-3



RT53/4-1-2 1/2



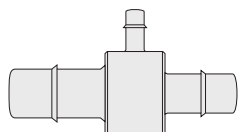
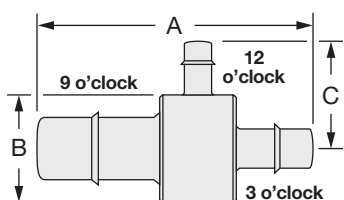
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Continued on
next page

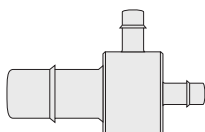
See pg. 518 for Square Body Tees!

A Reducing Tees (cont.)

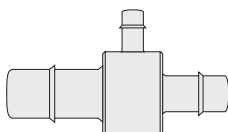
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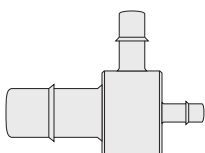
RT5³/4-2-5



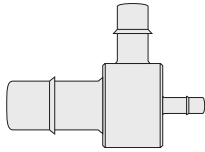
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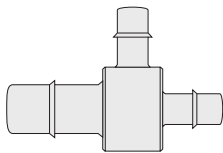
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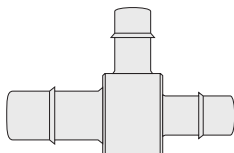
RT5³/4-3-2



RT5³/4-3¹/2-1



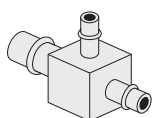
RT5³/4-3¹/2-3¹/2



RT5³/4-4-5

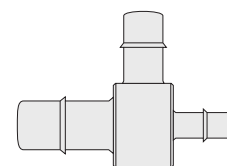
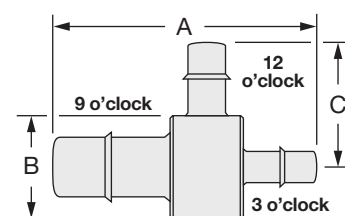
Continued on next page

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

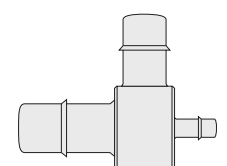


Tube ID			Part Numbers				Dimensions (Reference)		
9 O'clock	12 O'clock	3 O'clock	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Ref.	C Dia.
6mm	5/64 / 2mm	3/16	RT5³/4-2-5	RT5³/4-2-5-SS	RT5³/4-2-5-316SS	RT5³/4-2-5-NP	13/16	7/16	23/32
6mm	5/64 / 2mm	7/32	RT5³/4-2-5¹/2	RT5³/4-2-5¹/2-SS	RT5³/4-2-5¹/2-316SS	RT5³/4-2-5¹/2-NP	13/16	7/16	23/32
6mm	5/64 / 2mm	6mm	RT5³/4-2-5³/4	RT5³/4-2-5³/4-SS	RT5³/4-2-5³/4-316SS	RT5³/4-2-5³/4-NP	15/16	7/16	23/32
6mm	3/32	1/16	RT5³/4-2¹/2-1	RT5³/4-2¹/2-1-SS	RT5³/4-2¹/2-1-316SS	RT5³/4-2¹/2-1-NP	11/32	7/16	23/32
6mm	3/32	5/64 / 2mm	RT5³/4-2¹/2-2	RT5³/4-2¹/2-2-SS	RT5³/4-2¹/2-2-316SS	RT5³/4-2¹/2-2-NP	11/32	7/16	23/32
6mm	3/32	3/32	RT5³/4-2¹/2-2¹/2	RT5³/4-2¹/2-2¹/2-SS	RT5³/4-2¹/2-2¹/2-316SS	RT5³/4-2¹/2-2¹/2-NP	11/32	7/16	23/32
6mm	3/32	1/8	RT5³/4-2¹/2-3	RT5³/4-2¹/2-3-SS	RT5³/4-2¹/2-3-316SS	RT5³/4-2¹/2-3-NP	11/8	7/16	23/32
6mm	3/32	5/32 / 4mm	RT5³/4-2¹/2-3¹/2	RT5³/4-2¹/2-3¹/2-SS	RT5³/4-2¹/2-3¹/2-316SS	RT5³/4-2¹/2-3¹/2-NP	11/8	7/16	23/32
6mm	3/32	.170	RT5³/4-2¹/2-4	RT5³/4-2¹/2-4-SS	RT5³/4-2¹/2-4-316SS	RT5³/4-2¹/2-4-NP	15/32	7/16	23/32
6mm	3/32	3/16	RT5³/4-2¹/2-5	RT5³/4-2¹/2-5-SS	RT5³/4-2¹/2-5-316SS	RT5³/4-2¹/2-5-NP	13/16	7/16	23/32
6mm	3/32	7/32	RT5³/4-2¹/2-5¹/2	RT5³/4-2¹/2-5¹/2-SS	RT5³/4-2¹/2-5¹/2-316SS	RT5³/4-2¹/2-5¹/2-NP	13/16	7/16	23/32
6mm	3/32	6mm	RT5³/4-2¹/2-5³/4	RT5³/4-2¹/2-5³/4-SS	RT5³/4-2¹/2-5³/4-316SS	RT5³/4-2¹/2-5³/4-NP	15/16	7/16	23/32
6mm	1/8	1/16	RT5³/4-3-1	RT5³/4-3-1-SS	RT5³/4-3-1-316SS	RT5³/4-3-1-NP	11/32	7/16	23/32
6mm	1/8	5/64 / 2mm	RT5³/4-3-2	RT5³/4-3-2-SS	RT5³/4-3-2-316SS	RT5³/4-3-2-NP	11/32	7/16	23/32
6mm	1/8	3/32	RT5³/4-3-2¹/2	RT5³/4-3-2¹/2-SS	RT5³/4-3-2¹/2-316SS	RT5³/4-3-2¹/2-NP	11/32	7/16	23/32
6mm	1/8	1/8	RT5³/4-3-3	RT5³/4-3-3-SS	RT5³/4-3-3-316SS	RT5³/4-3-3-NP	11/8	7/16	23/32
6mm	1/8	5/32 / 4mm	RT5³/4-3-3¹/2	RT5³/4-3-3¹/2-SS	RT5³/4-3-3¹/2-316SS	RT5³/4-3-3¹/2-NP	11/8	7/16	23/32
6mm	1/8	.170	RT5³/4-3-4	RT5³/4-3-4-SS	RT5³/4-3-4-316SS	RT5³/4-3-4-NP	15/32	7/16	23/32
6mm	1/8	3/16	RT5³/4-3-5	RT5³/4-3-5-SS	RT5³/4-3-5-316SS	RT5³/4-3-5-NP	13/16	7/16	23/32
6mm	1/8	7/32	RT5³/4-3-5¹/2	RT5³/4-3-5¹/2-SS	RT5³/4-3-5¹/2-316SS	RT5³/4-3-5¹/2-NP	13/16	7/16	23/32
6mm	1/8	6mm	RT5³/4-3-5³/4	RT5³/4-3-5³/4-SS	RT5³/4-3-5³/4-316SS	RT5³/4-3-5³/4-NP	15/16	7/16	23/32
6mm	5/32 / 4mm	1/16	RT5³/4-3¹/2-1	RT5³/4-3¹/2-1-SS	RT5³/4-3¹/2-1-316SS	RT5³/4-3¹/2-1-NP	11/32	7/16	23/32
6mm	5/32 / 4mm	5/64 / 2mm	RT5³/4-3¹/2-2	RT5³/4-3¹/2-2-SS	RT5³/4-3¹/2-2-316SS	RT5³/4-3¹/2-2-NP	11/32	7/16	23/32
6mm	5/32 / 4mm	3/32	RT5³/4-3¹/2-2¹/2	RT5³/4-3¹/2-2¹/2-SS	RT5³/4-3¹/2-2¹/2-316SS	RT5³/4-3¹/2-2¹/2-NP	11/32	7/16	23/32
6mm	5/32 / 4mm	1/8	RT5³/4-3¹/2-3	RT5³/4-3¹/2-3-SS	RT5³/4-3¹/2-3-316SS	RT5³/4-3¹/2-3-NP	11/8	7/16	23/32
6mm	5/32 / 4mm	5/32 / 4mm	RT5³/4-3¹/2-3¹/2	RT5³/4-3¹/2-3¹/2-SS	RT5³/4-3¹/2-3¹/2-316SS	RT5³/4-3¹/2-3¹/2-NP	11/8	7/16	23/32
6mm	5/32 / 4mm	.170	RT5³/4-3¹/2-4	RT5³/4-3¹/2-4-SS	RT5³/4-3¹/2-4-316SS	RT5³/4-3¹/2-4-NP	15/32	7/16	23/32
6mm	5/32 / 4mm	3/16	RT5³/4-3¹/2-5	RT5³/4-3¹/2-5-SS	RT5³/4-3¹/2-5-316SS	RT5³/4-3¹/2-5-NP	13/16	7/16	23/32
6mm	5/32 / 4mm	7/32	RT5³/4-3¹/2-5¹/2	RT5³/4-3¹/2-5¹/2-SS	RT5³/4-3¹/2-5¹/2-316SS	RT5³/4-3¹/2-5¹/2-NP	13/16	7/16	23/32
6mm	5/32 / 4mm	6mm	RT5³/4-3¹/2-5³/4	RT5³/4-3¹/2-5³/4-SS	RT5³/4-3¹/2-5³/4-316SS	RT5³/4-3¹/2-5³/4-NP	15/16	7/16	23/32
6mm	.170	1/16	RT5³/4-4-1	RT5³/4-4-1-SS	RT5³/4-4-1-316SS	RT5³/4-4-1-NP	11/32	7/16	23/32
6mm	.170	5/64 / 2mm	RT5³/4-4-2	RT5³/4-4-2-SS	RT5³/4-4-2-316SS	RT5³/4-4-2-NP	11/32	7/16	23/32
6mm	.170	3/32	RT5³/4-4-2¹/2	RT5³/4-4-2¹/2-SS	RT5³/4-4-2¹/2-316SS	RT5³/4-4-2¹/2-NP	11/32	7/16	23/32
6mm	.170	1/8	RT5³/4-4-3	RT5³/4-4-3-SS	RT5³/4-4-3-316SS	RT5³/4-4-3-NP	11/8	7/16	23/32
6mm	.170	5/32 / 4mm	RT5³/4-4-3¹/2	RT5³/4-4-3¹/2-SS	RT5³/4-4-3¹/2-316SS	RT5³/4-4-3¹/2-NP	11/8	7/16	23/32
6mm	.170	.170	RT5³/4-4-4	RT5³/4-4-4-SS	RT5³/4-4-4-316SS	RT5³/4-4-4-NP	15/32	7/16	23/32
6mm	.170	3/16	RT5³/4-4-5	RT5³/4-4-5-SS	RT5³/4-4-5-316SS	RT5³/4-4-5-NP	13/16	7/16	23/32
6mm	.170	7/32	RT5³/4-4-5¹/2	RT5³/4-4-5¹/2-SS	RT5³/4-4-5¹/2-316SS	RT5³/4-4-5¹/2-NP	13/16	7/16	23/32
6mm	.170	6mm	RT5³/4-4-5³/4	RT5³/4-4-5³/4-SS	RT5³/4-4-5³/4-316SS	RT5³/4-4-5³/4-NP	15/16	7/16	23/32
6mm	3/16	1/16	RT5³/4-5-1	RT5³/4-5-1-SS	RT5³/4-5-1-316SS	RT5³/4-5-1-NP	11/32	7/16	23/32

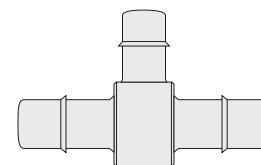
Tube ID			Part Numbers				Dimensions (Reference)		
9 O'clock	12 O'clock	3 O'clock	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Ref.	C Dia.
6mm	3/16	5/64 / 2mm	RT5 ³ /4-5-2	RT5 ³ /4-5-2-SS	RT5 ³ /4-5-2-316SS	RT5 ³ /4-5-2-NP	1 1/32	7/16	23/32
6mm	3/16	3/32	RT5 ³ /4-5-2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



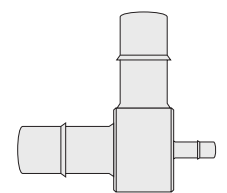
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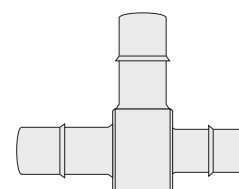
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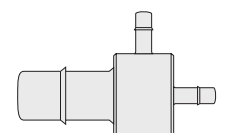
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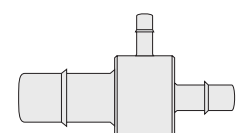
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RT5³/4-5 3/4-5 1/2



RT6-1-1

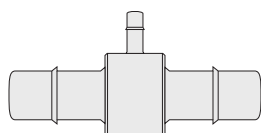
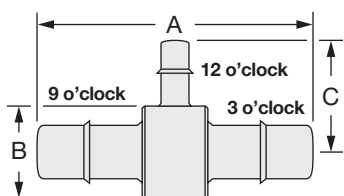


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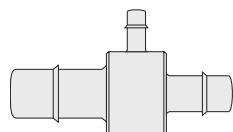
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A Reducing Tees (cont.)

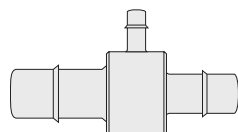
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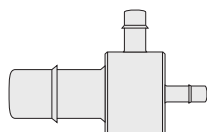
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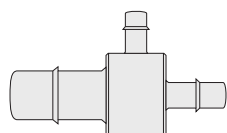
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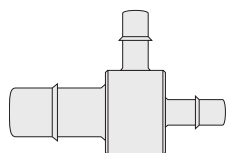
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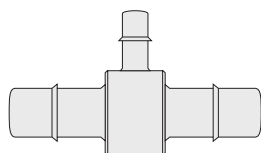
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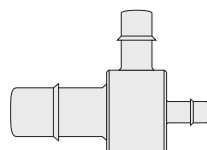
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RT6-3-3



RT6-3-6



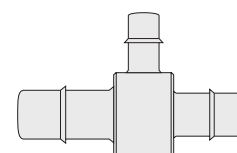
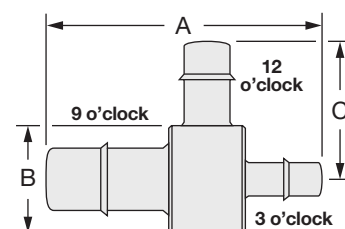
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on next
page

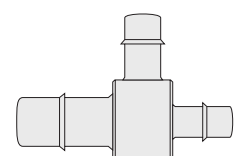
Tube ID			Part Numbers				Dimensions (Reference)		
9 O'clock	12 O'clock	3 O'clock	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Ref.	C Dia.
1/4	1/16	3/16	RT6-1-5	RT6-1-5-SS	RT6-1-5-316SS	RT6-1-5-NP	13/16	7/16	23/32
1/4	1/16	7/32	RT6-1-5 1/2	RT6-1-5 1/2-SS	RT6-1-5 1/2-316SS	RT6-1-5 1/2-NP	13/16	7/16	23/32
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	23/32
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	23/32
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	23/32
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	23/32
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	23/32
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	23/32
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	23/32
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	23/32
1/4	5/64 / 2mm	3/16	RT6-2-5	RT6-2-5-SS	RT6-2-5-316SS	RT6-2-5-NP	1 3/16	7/16	23/32
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	1 3/16	7/16	23/32
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	1 5/16	7/16	23/32
1/4	5/64 / 2mm	1/4	RT6-2-6	RT6-2-6-SS	RT6-2-6-316SS	RT6-2-6-NP	1 5/16	7/16	23/32
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	23/32
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	23/32
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	23/32
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	23/32
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	23/32
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	23/32
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	1 3/16	7/16	23/32
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	1 3/16	7/16	23/32
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	1 5/16	7/16	23/32
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	1 5/16	7/16	23/32
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	23/32
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	23/32
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	23/32
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	23/32
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	23/32
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	23/32
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	23/32
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	23/32
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	1 5/16	7/16	23/32
1/4	1/8	1/4	RT6-3-6	RT6-3-6-SS	RT6-3-6-316SS	RT6-3-6-NP	1 5/16	7/16	23/32
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	23/32
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	23/32
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	23/32
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	23/32
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	23/32
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	23/32

Square Body Tees available! See page 518!

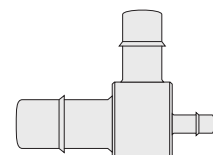
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1/4	5/32 / 4mm	3/16	RT6-3 1/2-5	RT6-3 1/2-5-SS	RT6-3 1/2-5-316SS	RT6-3 1/2-5-NP	1 3/16	7/16	23/32
1/4	5/32 / 4mm	7/32	RT6-3 1/2-5 1/2	RT6-3 1/2-5 1/2-SS	RT6-3 1/2-5 1/2-316SS	RT6-3 1/2-5 1/2-NP	1 3/16	7/16	23/32
1/4	5/32 / 4mm	6mm	RT6-3 1/2-5 3/4	RT6-3 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	23/32
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	23/32
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	23/32
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	23/32
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	23/32
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	23/32
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	23/32
1/4	.170	.170	RT6-4-4	RT6-4-4-SS	RT6-4-4-316SS	RT6-4-4-NP	1 5/32	7/16	23/32
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	23/32
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	23/32
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	23/32
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	23/32
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	23/32
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	23/32
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 1/2-NP	1 1/32	7/16	23/32
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	23/32
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 1/2-NP	1 1/8	7/16	23/32
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	23/32
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	23/32
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	23/32
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	23/32
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	23/32
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	23/32
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	23/32
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	23/32
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	23/32
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	23/32
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	23/32
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	23/32
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	23/32
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	23/32
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



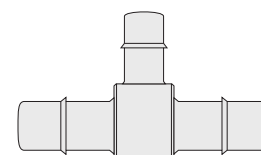
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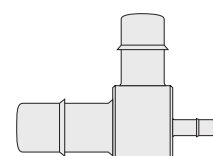
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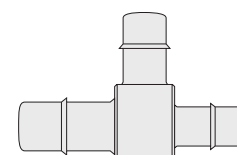
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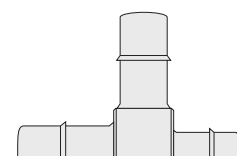
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RT6-5 1/2-1



RT6-5 1/2-5

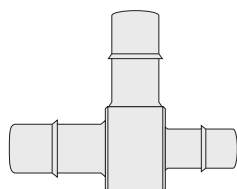
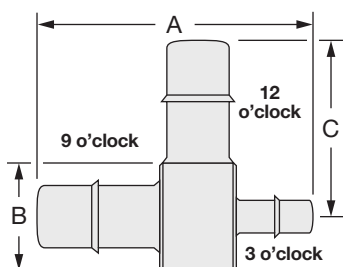


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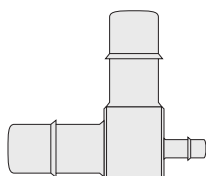
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next page

A Reducing Tees (cont.)

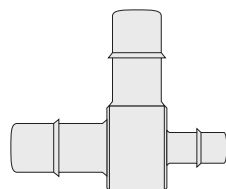
31



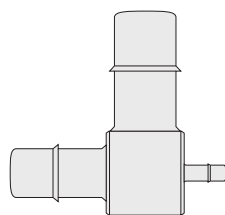
RT6-5^{3/4-5}



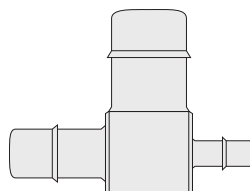
RT6-6-2



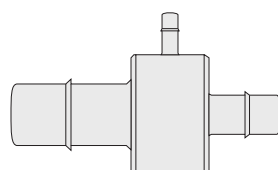
RT6-6-3^{1/2}



RT6-7-1



RT6-8-3



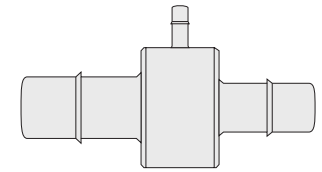
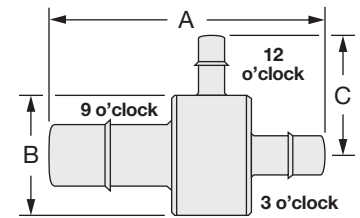
RT7-1-5

Square Body Tees
available! See page 518!

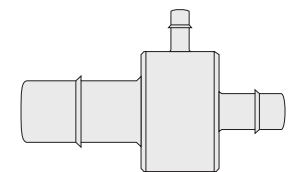
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next page

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 Ref.	C Dia.
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	13/16	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	13/16	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	15/16	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	15/16	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	13/32	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	13/32	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	13/32	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	15/32	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	13/16	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	13/15	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	15/16	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	23/32
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	23/32
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	23/32
1/4	5/16	1/8	RT6-7-3	RT6-7-3-SS	RT6-7-3-316SS	RT6-7-3-NP	17/32	7/16	23/32
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	17/32	7/16	23/32
1/4	5/16	.170	RT6-7-4	RT6-7-4-SS	RT6-7-4-316SS	RT6-7-4-NP	19/32	7/16	23/32
1/4	5/16	3/16	RT6-7-5	RT6-7-5-SS	RT6-7-5-316SS	RT6-7-5-NP	113/32	7/16	23/32
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	113/32	7/16	23/32
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	117/32	7/16	23/32
1/4	5/16	1/4	RT6-7-6	RT6-7-6-SS	RT6-7-6-316SS	RT6-7-6-NP	117/32	7/16	23/32
1/4	3/8	1/16	RT6-8-1	RT6-8-1-SS	RT6-8-1-316SS	RT6-8-1-NP	111/64	7/16	23/32
1/4	3/8	5/64 / 2mm	RT6-8-2	RT6-8-2-SS	RT6-8-2-316SS	RT6-8-2-NP	111/64	7/16	23/32
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	111/64	7/16	23/32
1/4	3/8	1/8	RT6-8-3	RT6-8-3-SS	RT6-8-3-316SS	RT6-8-3-NP	117/64	7/16	23/32
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	117/64	7/16	23/32
1/4	3/8	.170	RT6-8-4	RT6-8-4-SS	RT6-8-4-316SS	RT6-8-4-NP	119/64	7/16	23/32
1/4	3/8	3/16	RT6-8-5	RT6-8-5-SS	RT6-8-5-316SS	RT6-8-5-NP	121/64	7/16	23/32
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	121/64	7/16	23/32
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	129/64	7/16	23/32
1/4	3/8	1/4	RT6-8-6	RT6-8-6-SS	RT6-8-6-316SS	RT6-8-6-NP	129/64	7/16	23/32
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	27/32
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	27/32
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	27/32
5/16 / 8mm	1/16	1/8	RT7-1-3	RT7-1-3-SS	RT7-1-3-316SS	RT7-1-3-NP	111/32	5/8	27/32
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	111/32	5/8	27/32
5/16 / 8mm	1/16	.170	RT7-1-4	RT7-1-4-SS	RT7-1-4-316SS	RT7-1-4-NP	13/8	5/8	27/32
5/16 / 8mm	1/16	3/16	RT7-1-5	RT7-1-5-SS	RT7-1-5-316SS	RT7-1-5-NP	113/32	5/8	27/32

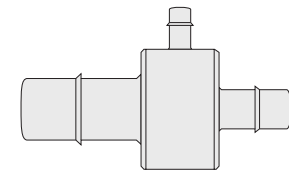
Tube ID			Part Numbers				Dimensions (Reference)		
9 O'clock	12 O'clock	3 O'clock	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Ref.	C Dia.
5/16 / 8mm	1/16	7/32	RT7-1-5 1/2	RT7-1-5 1/2-SS	RT7-1-5 1/2-316SS	RT7-1-5 1/2-NP	1 13/32	5/8	27/32
5/16 / 8mm	1/16	6mm	RT7-1-5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



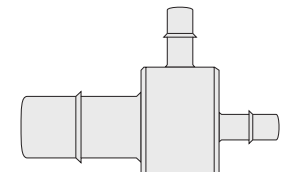
RT7-1-6



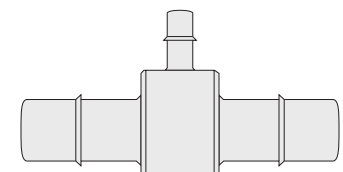
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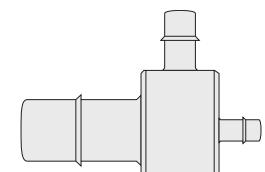
RT7-2 1/2-5



RT7-3-3



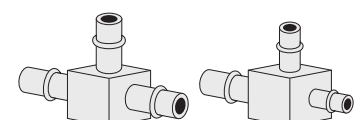
RT7-3-7



RT7-3 1/2-2 1/2

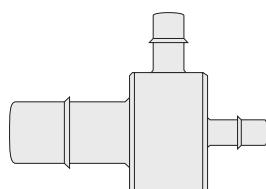
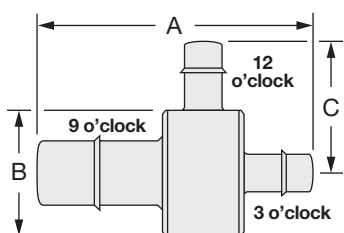
Continued on
next page

See pg. 518 for Square Body Tees!

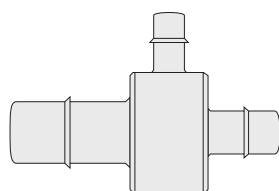


A Reducing Tees (cont.)

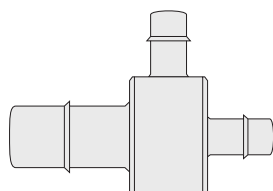
33



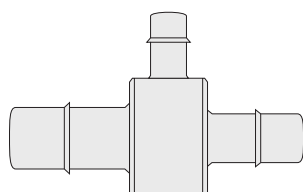
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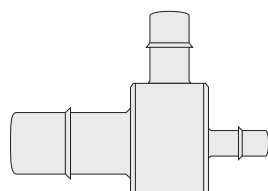
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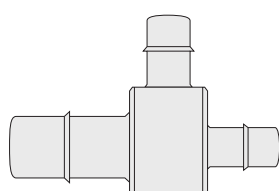
RT7-4-4



RT7-4-6



RT7-5-3

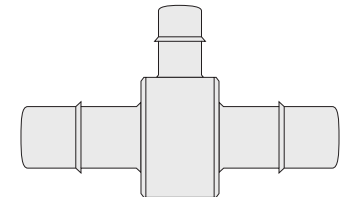
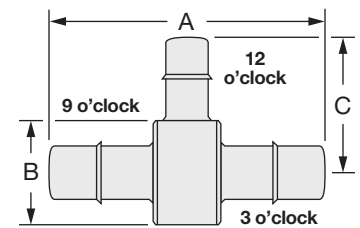


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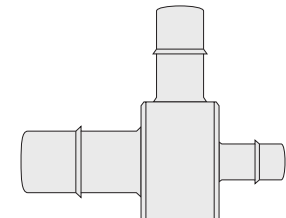
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Tube ID			Part Numbers				Dimensions (Reference)		
9 O'clock	12 O'clock	3 O'clock	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Ref.	C Dia.
5/16 / 8mm	5/32 / 4mm	1/8	RT7-3 1/2-3	RT7-3 1/2-3-SS	RT7-3 1/2-3-316SS	RT7-3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

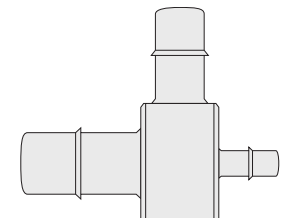
Tube ID			Part Numbers				Dimensions (Reference)		
9 O'clock	12 O'clock	3 O'clock	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Ref.	C Dia.
5/16 / 8mm	7/32	5/16 / 8mm	RT7-5 ¹ / ₂ -7	RT7-5 ¹ / ₂ -7-SS	RT7-5 ¹ / ₂ -7-316SS	RT7-5 ¹ / ₂ -7-NP	1 ²¹ / ₃₂	5/8	1 ¹ / ₁₆
5/16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



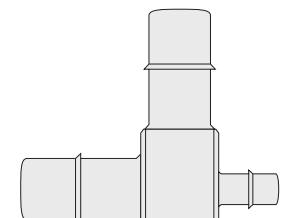
RT7-5¹/₂-7



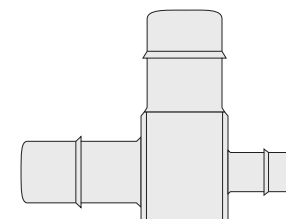
RT7-5³/₄-4



RT7-6-3



RT7-7-3¹/₂



RT7-8-5

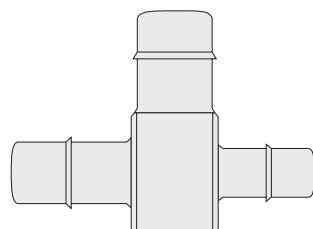
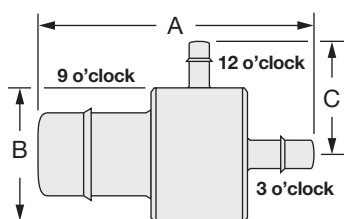
Continued on next page

See page 518 for Square Body Tees!

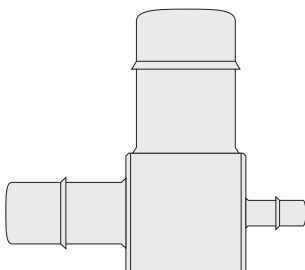
Note: Images are for visual representation only. Dimensions may vary at time of manufacturing. Consult factory for details!

A Reducing Tees (cont.)

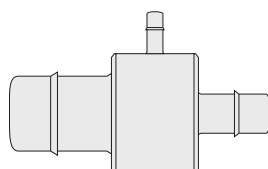
35



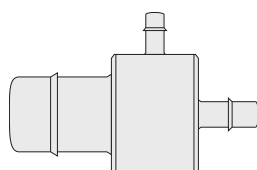
RT7-8-6



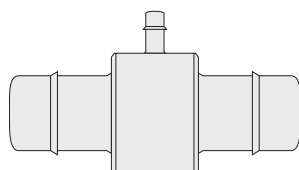
RT7-10-3



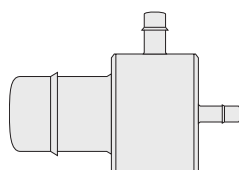
RT8-1-5



RT8-2-3



RT8-2-8



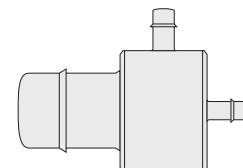
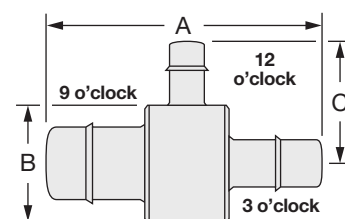
RT8-2 1/2-1

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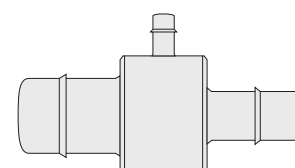
Square Body Tees available! See page 518!

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 Ref.	C Dia.
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	Consult Factory	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	Consult Factory	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	Consult Factory	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	Consult Factory	5/8	Consult Factory
5/16 / 8mm	1/2	5/64 / 2mm	RT7-10-2	RT7-10-2-SS	RT7-10-2-316SS	RT7-10-2-NP	Consult Factory	5/8	Consult Factory
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	Consult Factory	5/8	Consult Factory
5/16 / 8mm	1/2	1/8	RT7-10-3	RT7-10-3-SS	RT7-10-3-316SS	RT7-10-3-NP	Consult Factory	5/8	Consult Factory
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	Consult Factory	5/8	Consult Factory
5/16 / 8mm	1/2	.170	RT7-10-4	RT7-10-4-SS	RT7-10-4-316SS	RT7-10-4-NP	Consult Factory	5/8	Consult Factory
5/16 / 8mm	1/2	3/16	RT7-10-5	RT7-10-5-SS	RT7-10-5-316SS	RT7-10-5-NP	Consult Factory	5/8	Consult Factory
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	Consult Factory	5/8	Consult Factory
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	Consult Factory	5/8	Consult Factory
5/16 / 8mm	1/2	1/4	RT7-10-6	RT7-10-6-SS	RT7-10-6-316SS	RT7-10-6-NP	Consult Factory	5/8	Consult Factory
5/16 / 8mm	1/2	5/16 / 8mm	RT7-10-7	RT7-10-7-SS	RT7-10-7-316SS	RT7-10-7-NP	Consult Factory	3/4	Consult Factory
3/8	1/16	1/16	RT8-1-1	RT8-1-1-SS	RT8-1-1-316SS	RT8-1-1-NP	Consult Factory	5/8	Consult Factory
3/8	1/16	5/64 / 2mm	RT8-1-2	RT8-1-2-SS	RT8-1-2-316SS	RT8-1-2-NP	Consult Factory	5/8	Consult Factory
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	Consult Factory	5/8	Consult Factory
3/8	1/16	1/8	RT8-1-3	RT8-1-3-SS	RT8-1-3-316SS	RT8-1-3-NP	Consult Factory	5/8	Consult Factory
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	Consult Factory	5/8	Consult Factory
3/8	1/16	.170	RT8-1-4	RT8-1-4-SS	RT8-1-4-316SS	RT8-1-4-NP	Consult Factory	5/8	Consult Factory
3/8	1/16	3/16	RT8-1-5	RT8-1-5-SS	RT8-1-5-316SS	RT8-1-5-NP	Consult Factory	5/8	Consult Factory
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	Consult Factory	5/8	Consult Factory
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	Consult Factory	5/8	Consult Factory
3/8	1/16	1/4	RT8-1-6	RT8-1-6-SS	RT8-1-6-316SS	RT8-1-6-NP	Consult Factory	5/8	Consult Factory
3/8	1/16	5/16 / 8mm	RT8-1-7	RT8-1-7-SS	RT8-1-7-316SS	RT8-1-7-NP	Consult Factory	5/8	Consult Factory
3/8	1/16	3/8	RT8-1-8	RT8-1-8-SS	RT8-1-8-316SS	RT8-1-8-NP	Consult Factory	5/8	Consult Factory
3/8	5/64 / 2mm	1/16	RT8-2-1	RT8-2-1-SS	RT8-2-1-316SS	RT8-2-1-NP	Consult Factory	5/8	Consult Factory
3/8	5/64 / 2mm	5/64 / 2mm	RT8-2-2	RT8-2-2-SS	RT8-2-2-316SS	RT8-2-2-NP	Consult Factory	5/8	Consult Factory
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	Consult Factory	5/8	Consult Factory
3/8	5/64 / 2mm	1/8	RT8-2-3	RT8-2-3-SS	RT8-2-3-316SS	RT8-2-3-NP	Consult Factory	5/8	Consult Factory
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	Consult Factory	5/8	Consult Factory
3/8	5/64 / 2mm	.170	RT8-2-4	RT8-2-4-SS	RT8-2-4-316SS	RT8-2-4-NP	Consult Factory	5/8	Consult Factory
3/8	5/64 / 2mm	3/16	RT8-2-5	RT8-2-5-SS	RT8-2-5-316SS	RT8-2-5-NP	Consult Factory	5/8	Consult Factory
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	Consult Factory	5/8	Consult Factory
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	Consult Factory	5/8	Consult Factory
3/8	5/64 / 2mm	1/4	RT8-2-6	RT8-2-6-SS	RT8-2-6-316SS	RT8-2-6-NP	Consult Factory	5/8	Consult Factory
3/8	5/64 / 2mm	5/16 / 8mm	RT8-2-7	RT8-2-7-SS	RT8-2-7-316SS	RT8-2-7-NP	Consult Factory	5/8	Consult Factory
3/8	5/64 / 2mm	3/8	RT8-2-8	RT8-2-8-SS	RT8-2-8-316SS	RT8-2-8-NP	Consult Factory	5/8	Consult Factory
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	Consult Factory	5/8	Consult Factory

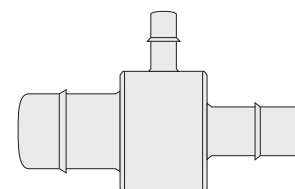
Tube ID			Part Numbers				Dimensions (Reference)		
9 O'clock	12 O'clock	3 O'clock	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Ref.	C Dia.
3/8	3/32	5/64 / 2mm	RT8-2'1/2-2	RT8-2'1/2-2-SS	RT8-2'1/2-2-316SS	RT8-2'1/2-2-NP	Consult Factory	5/8	Consult Factory
3/8	3/32	3/32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



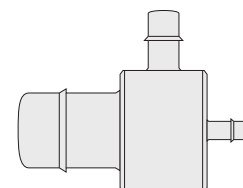
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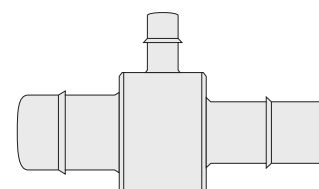
RT8-2'1/2-5'3/4



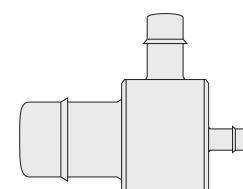
RT8-3-6



RT8-3'1/2-2



RT8-3'1/2-7



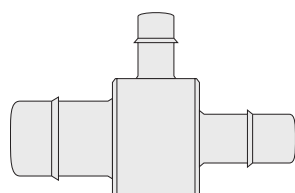
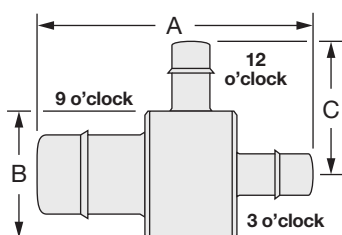
RT8-4-2'1/2

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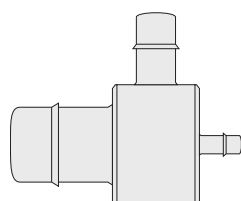
12 o'clock branch can be placed at other angles. Consult factory for details!

A Reducing Tees (cont.)

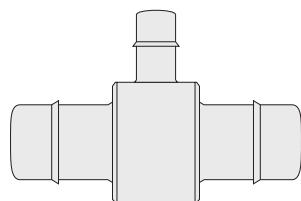
37



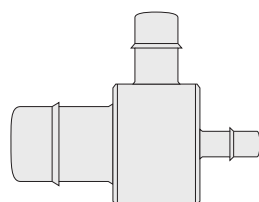
RT8-4-6



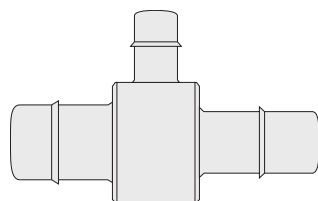
RT8-5-2



RT8-5-8



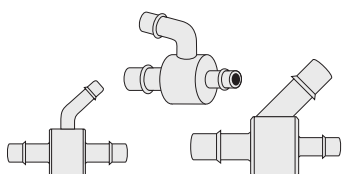
RT8-5 1/2-3



RT8-5 1/2-7

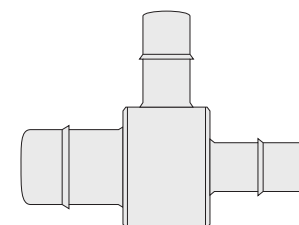
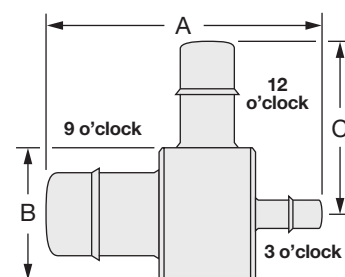
Continued on next page

Other options available!
Consult factory for details!

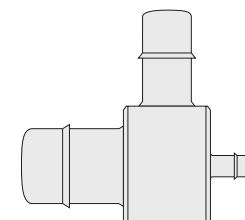


Tube ID			Part Numbers				Dimensions (Reference)		
9 O'clock	12 O'clock	3 O'clock	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Ref.	C Dia.
3/8	.170	.170	RT8-4-4	RT8-4-4-SS	RT8-4-4-316SS	RT8-4-4-NP	Consult Factory	5/8	Consult Factory
3/8	.170	3/16	RT8-4-5	RT8-4-5-SS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

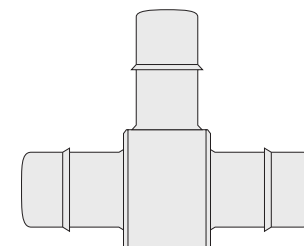
Tube ID			Part Numbers				Dimensions (Reference)		
9 O'clock	12 O'clock	3 O'clock	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Ref.	C Dia.
3/8	6mm	1/4	RT8-5 ³ / ₄ -6	RT8-5 ³ / ₄ -6-SS	RT8-5 ³ / ₄ -6-316SS	RT8-5 ³ / ₄ -6-NP	Consult Factory	5/8	Consult Factory
3/8	6mm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



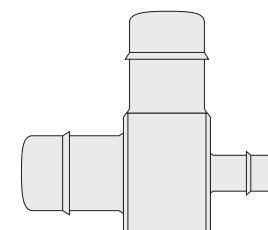
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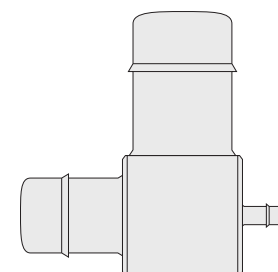
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RT8-7-8



RT8-8-4

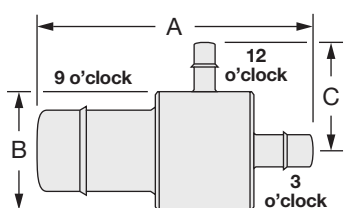


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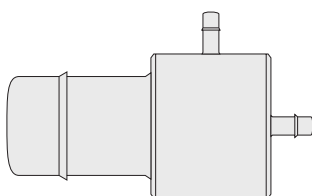
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A Reducing Tees (cont.)

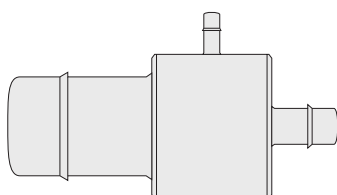
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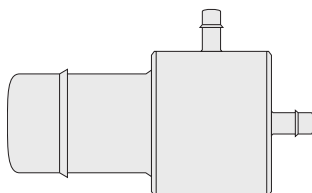
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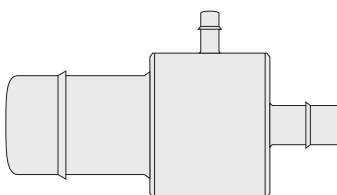
RT10-1-2



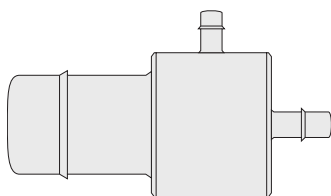
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RT10-2-2¹/₂



RT10-2-5

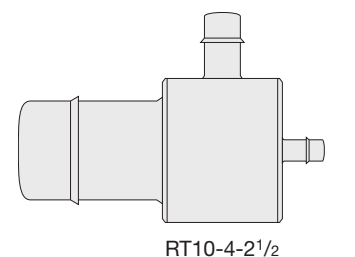
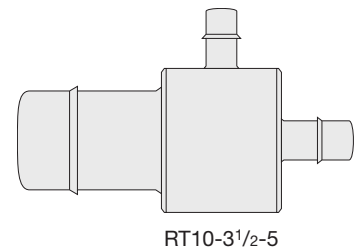
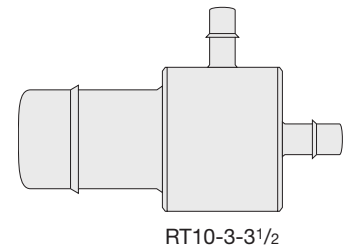
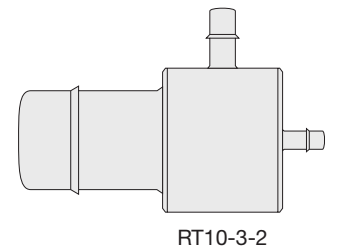
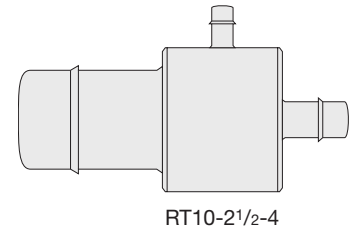
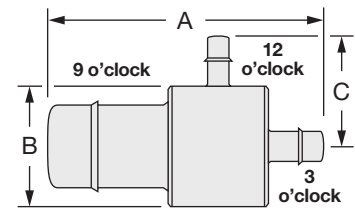


RT10-2¹/₂-3

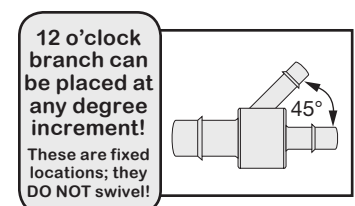
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Tube ID			Part Numbers				Dimensions (Reference)		
9 O'clock	12 O'clock	3 O'clock	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Ref.	C Dia.
3/8	1/2	3/32	RT8-10-2 ¹ / ₂	RT8-10-2 ¹ / ₂ -SS	RT8-10-2 ¹ / ₂ -316SS	RT8-10-2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

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 Ref.	C Dia.
1/2	3/32	5/32 / 4mm	RT10-2 1/2- 3 1/2	RT10-2 1/2-3 1/2- SS	RT10-2 1/2-3 1/2-316SS	RT10-2 1/2-3 1/2- NP	Consult Factory	3/4	Consult Factory
1/2	3/32	.170	RT10-2 1/2-4	RT10-2 1/2-4-SS	RT10-2 1/2-4-316SS	RT10-2 1/2-4-NP	Consult Factory	3/4	Consult Factory
1/2	3/32	3/16	RT10-2 1/2-5	RT10-2 1/2-5-SS	RT10-2 1/2-5-316SS	RT10-2 1/2-5-NP	Consult Factory	3/4	Consult Factory
1/2	3/32	7/32	RT10-2 1/2- 5 1/2	RT10-2 1/2-5 1/2- SS	RT10-2 1/2-5 1/2-316SS	RT10-2 1/2-5 1/2- NP	Consult Factory	3/4	Consult Factory
1/2	3/32	6mm	RT10-2 1/2- 5 3/4	RT10-2 1/2-5 3/4- SS	RT10-2 1/2-5 3/4-316SS	RT10-2 1/2-5 3/4- NP	Consult Factory	3/4	Consult Factory
1/2	3/32	1/4	RT10-2 1/2-6	RT10-2 1/2-6-SS	RT10-2 1/2-6-316SS	RT10-2 1/2-6-NP	Consult Factory	3/4	Consult Factory
1/2	3/32	5/16 / 8mm	RT10-2 1/2-7	RT10-2 1/2-7-SS	RT10-2 1/2-7-316SS	RT10-2 1/2-7-NP	Consult Factory	3/4	Consult Factory
1/2	3/32	3/8	RT10-2 1/2-8	RT10-2 1/2-8-SS	RT10-2 1/2-8-316SS	RT10-2 1/2-8-NP	Consult Factory	3/4	Consult Factory
1/2	3/32	1/2	RT10-2 1/2-10	RT10-2 1/2-10-SS	RT10-2 1/2-10-316SS	RT10-2 1/2-10-NP	Consult Factory	3/4	Consult Factory
1/2	1/8	1/16	RT10-3-1	RT10-3-1-SS	RT10-3-1-316SS	RT10-3-1-NP	Consult Factory	3/4	Consult Factory
1/2	1/8	5/64 / 2mm	RT10-3-2	RT10-3-2-SS	RT10-3-2-316SS	RT10-3-2-NP	Consult Factory	3/4	Consult Factory
1/2	1/8	3/32	RT10-3-2 1/2	RT10-3-2 1/2-SS	RT10-3-2 1/2-316SS	RT10-3-2 1/2-NP	Consult Factory	3/4	Consult Factory
1/2	1/8	1/8	RT10-3-3	RT10-3-3-SS	RT10-3-3-316SS	RT10-3-3-NP	Consult Factory	3/4	Consult Factory
1/2	1/8	5/32 / 4mm	RT10-3-3 1/2	RT10-3-3 1/2-SS	RT10-3-3 1/2-316SS	RT10-3-3 1/2-NP	Consult Factory	3/4	Consult Factory
1/2	1/8	.170	RT10-3-4	RT10-3-4-SS	RT10-3-4-316SS	RT10-3-4-NP	Consult Factory	3/4	Consult Factory
1/2	1/8	3/16	RT10-3-5	RT10-3-5-SS	RT10-3-5-316SS	RT10-3-5-NP	Consult Factory	3/4	Consult Factory
1/2	1/8	7/32	RT10-3-5 1/2	RT10-3-5 1/2-SS	RT10-3-5 1/2-316SS	RT10-3-5 1/2-NP	Consult Factory	3/4	Consult Factory
1/2	1/8	6mm	RT10-3-5 3/4	RT10-3-5 3/4-SS	RT10-3-5 3/4-316SS	RT10-3-5 3/4-NP	Consult Factory	3/4	Consult Factory
1/2	1/8	1/4	RT10-3-6	RT10-3-6-SS	RT10-3-6-316SS	RT10-3-6-NP	Consult Factory	3/4	Consult Factory
1/2	1/8	5/16 / 8mm	RT10-3-7	RT10-3-7-SS	RT10-3-7-316SS	RT10-3-7-NP	Consult Factory	3/4	Consult Factory
1/2	1/8	3/8	RT10-3-8	RT10-3-8-SS	RT10-3-8-316SS	RT10-3-8-NP	Consult Factory	3/4	Consult Factory
1/2	1/8	1/2	RT10-3-10	RT10-3-10-SS	RT10-3-10-316SS	RT10-3-10-NP	Consult Factory	3/4	Consult Factory
1/2	5/32 / 4mm	1/16	RT10-3 1/2-1	RT10-3 1/2-1-SS	RT10-3 1/2-1-316SS	RT10-3 1/2-1-NP	Consult Factory	3/4	Consult Factory
1/2	5/32 / 4mm	5/64 / 2mm	RT10-3 1/2-2	RT10-3 1/2-2-SS	RT10-3 1/2-2-316SS	RT10-3 1/2-2-NP	Consult Factory	3/4	Consult Factory
1/2	5/32 / 4mm	3/32	RT10-3 1/2- 2 1/2	RT10-3 1/2-2 1/2- SS	RT10-3 1/2-2 1/2-316SS	RT10-3 1/2-2 1/2- NP	Consult Factory	3/4	Consult Factory
1/2	5/32 / 4mm	1/8	RT10-3 1/2-3	RT10-3 1/2-3-SS	RT10-3 1/2-3-316SS	RT10-3 1/2-3-NP	Consult Factory	3/4	Consult Factory
1/2	5/32 / 4mm	5/32 / 4mm	RT10-3 1/2- 3 1/2	RT10-3 1/2-3 1/2- SS	RT10-3 1/2-3 1/2-316SS	RT10-3 1/2-3 1/2- NP	Consult Factory	3/4	Consult Factory
1/2	5/32 / 4mm	.170	RT10-3 1/2-4	RT10-3 1/2-4-SS	RT10-3 1/2-4-316SS	RT10-3 1/2-4-NP	Consult Factory	3/4	Consult Factory
1/2	5/32 / 4mm	3/16	RT10-3 1/2-5	RT10-3 1/2-5-SS	RT10-3 1/2-5-316SS	RT10-3 1/2-5-NP	Consult Factory	3/4	Consult Factory
1/2	5/32 / 4mm	7/32	RT10-3 1/2- 5 1/2	RT10-3 1/2-5 1/2- SS	RT10-3 1/2-5 1/2-316SS	RT10-3 1/2-5 1/2- NP	Consult Factory	3/4	Consult Factory
1/2	5/32 / 4mm	6mm	RT10-3 1/2- 5 3/4	RT10-3 1/2-5 3/4- SS	RT10-3 1/2-5 3/4-316SS	RT10-3 1/2-5 3/4- NP	Consult Factory	3/4	Consult Factory
1/2	5/32 / 4mm	1/4	RT10-3 1/2-6	RT10-3 1/2-6-SS	RT10-3 1/2-6-316SS	RT10-3 1/2-6-NP	Consult Factory	3/4	Consult Factory
1/2	5/32 / 4mm	5/16 / 8mm	RT10-3 1/2-7	RT10-3 1/2-7-SS	RT10-3 1/2-7-316SS	RT10-3 1/2-7-NP	Consult Factory	3/4	Consult Factory
1/2	5/32 / 4mm	3/8	RT10-3 1/2-8	RT10-3 1/2-8-SS	RT10-3 1/2-8-316SS	RT10-3 1/2-8-NP	Consult Factory	3/4	Consult Factory
1/2	5/32 / 4mm	1/2	RT10-3 1/2-10	RT10-3 1/2-10-SS	RT10-3 1/2-10-316SS	RT10-3 1/2-10-NP	Consult Factory	3/4	Consult Factory
1/2	.170	1/16	RT10-4-1	RT10-4-1-SS	RT10-4-1-316SS	RT10-4-1-NP	Consult Factory	3/4	Consult Factory
1/2	.170	5/64 / 2mm	RT10-4-2	RT10-4-2-SS	RT10-4-2-316SS	RT10-4-2-NP	Consult Factory	3/4	Consult Factory
1/2	.170	3/32	RT10-4-2 1/2	RT10-4-2 1/2-SS	RT10-4-2 1/2-316SS	RT10-4-2 1/2-NP	Consult Factory	3/4	Consult Factory
1/2	.170	1/8	RT10-4-3	RT10-4-3-SS	RT10-4-3-316SS	RT10-4-3-NP	Consult Factory	3/4	Consult Factory
1/2	.170	5/32 / 4mm	RT10-4-3 1/2	RT10-4-3 1/2-SS	RT10-4-3 1/2-316SS	RT10-4-3 1/2-NP	Consult Factory	3/4	Consult Factory

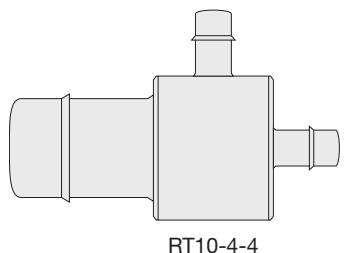
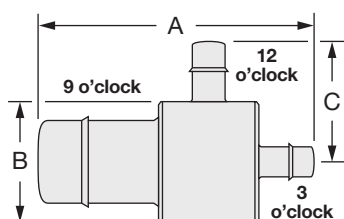


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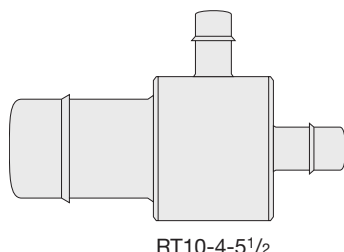


A Reducing Tees (cont.)

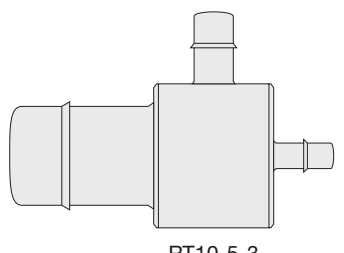
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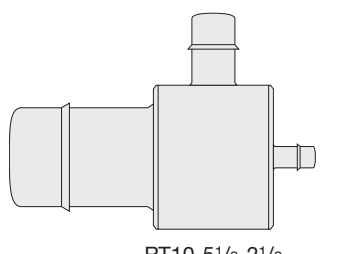
RT10-4-4



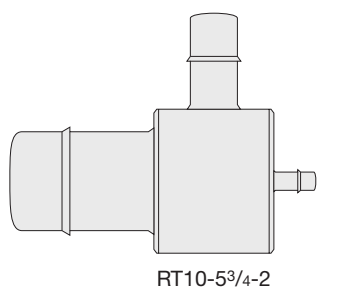
RT10-4-5 1/2



RT10-5-3



RT10-5 1/2-2 1/2



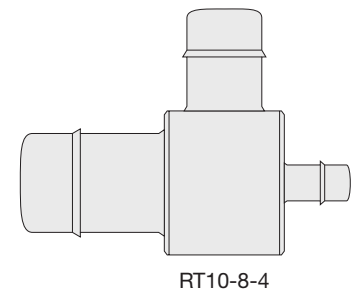
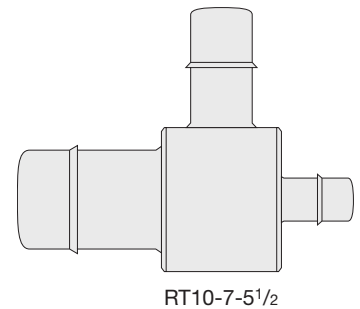
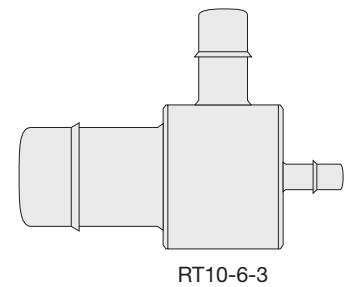
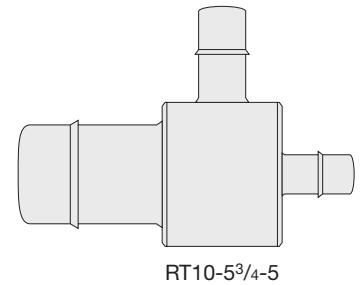
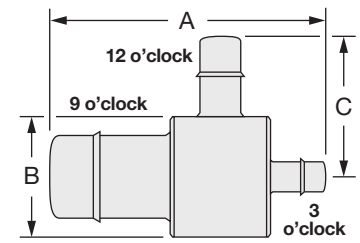
RT10-5 3/4-2

Continued on next page

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

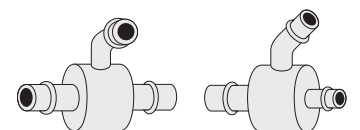
Tube ID			Part Numbers				Dimensions (Reference)		
9 O'clock	12 O'clock	3 O'clock	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Ref.	C Dia.
1/2	.170	.170	RT10-4-4	RT10-4-4-SS	RT10-4-4-316SS	RT10-4-4-NP	Consult Factory	3/4	Consult Factory
1/2	.170	3/16	RT10-4-5	RT10-4-5-SS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

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 Ref.	C Dia.
1/2	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	3/4	Consult Factory
1/2	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	Consult Factory	3/4	Consult Factory
1/2	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	Consult Factory	3/4	Consult Factory
1/2	6mm	1/4	RT10-5 ³ / ₄ -6	RT10-5 ³ / ₄ -6-SS	RT10-5 ³ / ₄ -6-316SS	RT10-5 ³ / ₄ -6-NP	Consult Factory	3/4	Consult Factory
1/2	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	Consult Factory	3/4	Consult Factory
1/2	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	Consult Factory	3/4	Consult Factory
1/2	6mm	1/2	RT10-5 ³ / ₄ -10	RT10-5 ³ / ₄ -10-SS	RT10-5 ³ / ₄ -10-316SS	RT10-5 ³ / ₄ -10-NP	Consult Factory	3/4	Consult Factory
1/2	1/4	1/16	RT10-6-1	RT10-6-1-SS	RT10-6-1-316SS	RT10-6-1-NP	Consult Factory	3/4	Consult Factory
1/2	1/4	5/64 / 2mm	RT10-6-2	RT10-6-2-SS	RT10-6-2-316SS	RT10-6-2-NP	Consult Factory	3/4	Consult Factory
1/2	1/4	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	Consult Factory	3/4	Consult Factory
1/2	1/4	1/8	RT10-6-3	RT10-6-3-SS	RT10-6-3-316SS	RT10-6-3-NP	Consult Factory	3/4	Consult Factory
1/2	1/4	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	Consult Factory	3/4	Consult Factory
1/2	1/4	.170	RT10-6-4	RT10-6-4-SS	RT10-6-4-316SS	RT10-6-4-NP	Consult Factory	3/4	Consult Factory
1/2	1/4	3/16	RT10-6-5	RT10-6-5-SS	RT10-6-5-316SS	RT10-6-5-NP	Consult Factory	3/4	Consult Factory
1/2	1/4	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	Consult Factory	3/4	Consult Factory
1/2	1/4	6mm	RT10-6-5 ³ / ₄	RT10-6-5 ³ / ₄ -SS	RT10-6-5 ³ / ₄ -316SS	RT10-6-5 ³ / ₄ -NP	Consult Factory	3/4	Consult Factory
1/2	1/4	1/4	RT10-6-6	RT10-6-6-SS	RT10-6-6-316SS	RT10-6-6-NP	Consult Factory	3/4	Consult Factory
1/2	1/4	5/16 / 8mm	RT10-6-7	RT10-6-7-SS	RT10-6-7-316SS	RT10-6-7-NP	Consult Factory	3/4	Consult Factory
1/2	1/4	3/8	RT10-6-8	RT10-6-8-SS	RT10-6-8-316SS	RT10-6-8-NP	Consult Factory	3/4	Consult Factory
1/2	1/4	1/2	RT10-6-10	RT10-6-10-SS	RT10-6-10-316SS	RT10-6-10-NP	Consult Factory	3/4	Consult Factory
1/2	5/16 / 8mm	1/16	RT10-7-1	RT10-7-1-SS	RT10-7-1-316SS	RT10-7-1-NP	Consult Factory	3/4	Consult Factory
1/2	5/16 / 8mm	5/64 / 2mm	RT10-7-2	RT10-7-2-SS	RT10-7-2-316SS	RT10-7-2-NP	Consult Factory	3/4	Consult Factory
1/2	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	Consult Factory	3/4	Consult Factory
1/2	5/16 / 8mm	1/8	RT10-7-3	RT10-7-3-SS	RT10-7-3-316SS	RT10-7-3-NP	Consult Factory	3/4	Consult Factory
1/2	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	Consult Factory	3/4	Consult Factory
1/2	5/16 / 8mm	.170	RT10-7-4	RT10-7-4-SS	RT10-7-4-316SS	RT10-7-4-NP	Consult Factory	3/4	Consult Factory
1/2	5/16 / 8mm	3/16	RT10-7-5	RT10-7-5-SS	RT10-7-5-316SS	RT10-7-5-NP	Consult Factory	3/4	Consult Factory
1/2	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	Consult Factory	3/4	Consult Factory
1/2	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	Consult Factory	3/4	Consult Factory
1/2	5/16 / 8mm	1/4	RT10-7-6	RT10-7-6-SS	RT10-7-6-316SS	RT10-7-6-NP	Consult Factory	3/4	Consult Factory
1/2	5/16 / 8mm	5/16 / 8mm	RT10-7-7	RT10-7-7-SS	RT10-7-7-316SS	RT10-7-7-NP	Consult Factory	3/4	Consult Factory
1/2	5/16 / 8mm	3/8	RT10-7-8	RT10-7-8-SS	RT10-7-8-316SS	RT10-7-8-NP	Consult Factory	3/4	Consult Factory
1/2	5/16 / 8mm	1/2	RT10-7-10	RT10-7-10-SS	RT10-7-10-316SS	RT10-7-10-NP	Consult Factory	3/4	Consult Factory
1/2	3/8	1/16	RT10-8-1	RT10-8-1-SS	RT10-8-1-316SS	RT10-8-1-NP	Consult Factory	3/4	Consult Factory
1/2	3/8	5/64 / 2mm	RT10-8-2	RT10-8-2-SS	RT10-8-2-316SS	RT10-8-2-NP	Consult Factory	3/4	Consult Factory
1/2	3/8	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	Consult Factory	3/4	Consult Factory
1/2	3/8	1/8	RT10-8-3	RT10-8-3-SS	RT10-8-3-316SS	RT10-8-3-NP	Consult Factory	3/4	Consult Factory
1/2	3/8	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	Consult Factory	3/4	Consult Factory
1/2	3/8	.170	RT10-8-4	RT10-8-4-SS	RT10-8-4-316SS	RT10-8-4-NP	Consult Factory	3/4	Consult Factory
1/2	3/8	3/16	RT10-8-5	RT10-8-5-SS	RT10-8-5-316SS	RT10-8-5-NP	Consult Factory	3/4	Consult Factory



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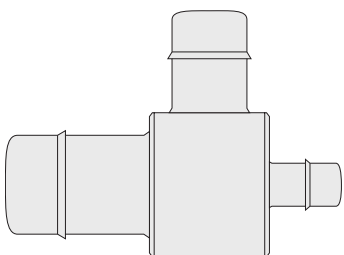
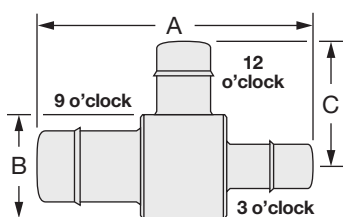
12 o'clock branch can be at any angle! Consult factory!



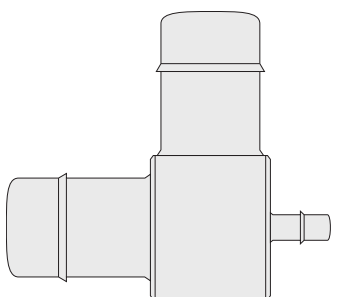
Fixed locations - they DO NOT swivel!

A Reducing Tees (cont.)

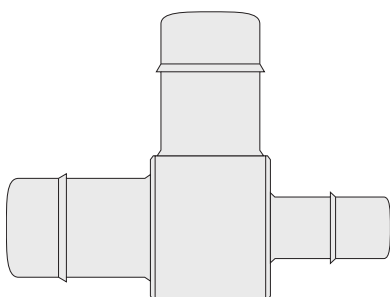
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RT10-8-5 1/2



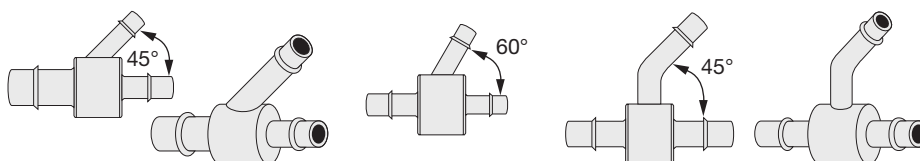
RT10-10-3



RT10-10-7

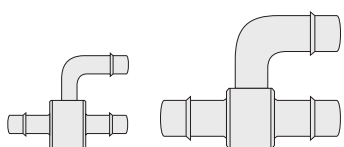
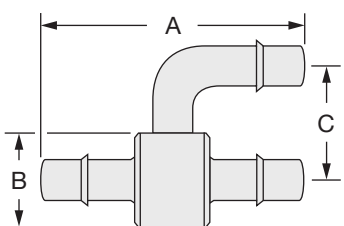
Tube ID			Part Numbers				Dimensions (Reference)		
9 O'clock	12 O'clock	3 O'clock	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Ref.	C Dia.
1/2	3/8	7/32	RT10-8-5 1/2	RT10-8-5 1/2-SS	RT10-8-5 1/2-316SS	RT10-8-5 1/2-NP	Consult Factory	Consult Factory	Consult Factory
1/2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

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



Parallel Run L-Tees

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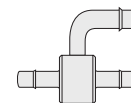
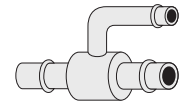
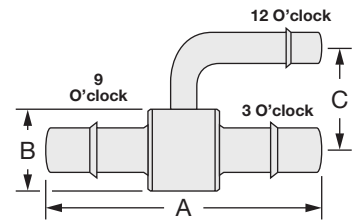


T2-L2-2

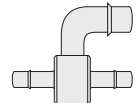
T4-L4-4

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	1/4	1/4
5/64 / 2mm	T2-L2-2	T2-L2-2-SS	T2-L2-2-316SS	T2-L2-2-NP	5/8	1/4	5/16
3/32	T2 1/2-L2 1/2-2 1/2	T2 1/2-L2 1/2-2 1/2-SS	T2 1/2-L2 1/2-2 1/2-316SS	T2 1/2-L2 1/2-2 1/2-NP	5/8	1/4	5/16
1/8	T3-L3-3	T3-L3-3-SS	T3-L3-3-316SS	T3-L3-3-NP	27/32	5/16	3/8
5/32 / 4mm	T3 1/2-L3 1/2-3 1/2	T3 1/2-L3 1/2-3 1/2-SS	T3 1/2-L3 1/2-3 1/2-316SS	T3 1/2-L3 1/2-3 1/2-NP	27/32	5/16	3/8
.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

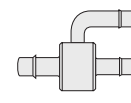
Tube ID			Part Numbers				Dimensions (Reference)		
9 O'clock	12 O'clock	3 O'clock	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Ref.	C Dia.
1/16	5/64 / 2mm	1/16	RT1-L2-1	RT1-L2-1-SS	RT1-L2-1-316SS	RT1-L2-1-NP	5/8	1/4	5/16
1/16	3/32	1/16	RT1-L2 1/2-1	RT1-L2 1/2-1-SS	RT1-L2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



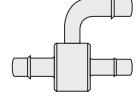
RT1-L2-1



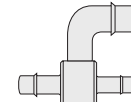
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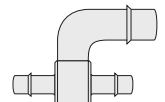
RT2-L1-1



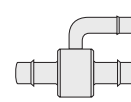
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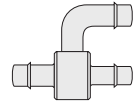
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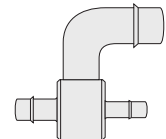
RT2-L3 1/2-2



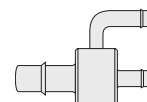
RT2 1/2-L1-2 1/2



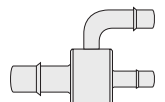
RT2 1/2-L2 1/2-2



RT2 1/2-L4-1



RT3-L1-3

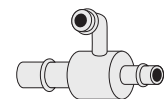


RT3-L2-1

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

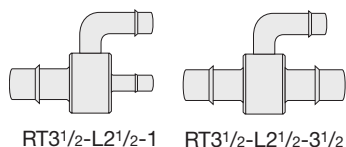
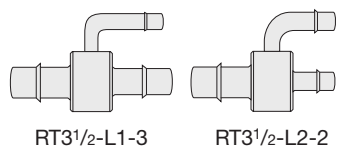
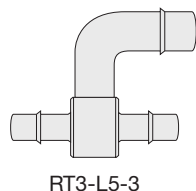
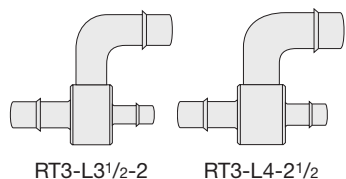
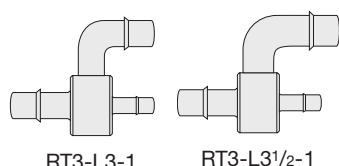
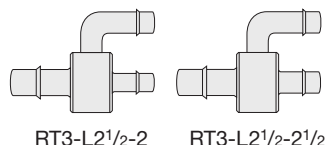
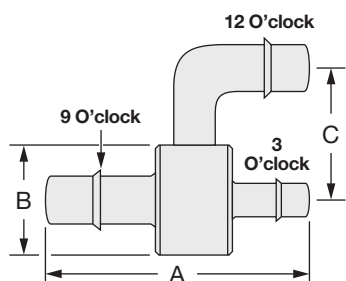
12 o'clock branch can be
placed at any degree increment!
Consult factory for details!



Fixed locations - they DO NOT swivel!

A Parallel Run Reducing L-Tees

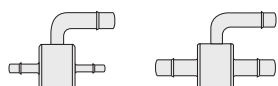
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Continued on next page

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

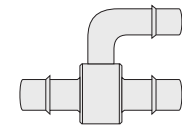
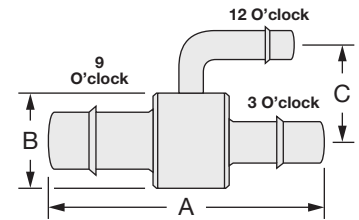
Smaller branch options available! Consult factory for details!



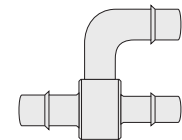
RT.040-L1-.031 RT1-L.050-1

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 Ref.	C Dia.
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			
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			
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			
1/8	3/16	5/64 / 2mm	RT3-L5-2	RT3-L5-2-SS	RT3-L5-2-316SS	RT3-L5-2-NP			
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			
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			
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			
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			
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			
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			
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			
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			
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			
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			
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			

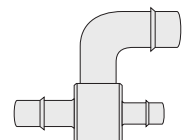
Tube ID			Part Numbers				Dimensions (Reference)		
9 O'clock	12 O'clock	3 O'clock	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Ref.	C Dia.
5/32 / 4mm	1/8	5/64 / 2mm	RT3 ¹ / ₂ -L3-2	RT3 ¹ / ₂ -L3-2-SS	RT3 ¹ / ₂ -L3-2-316SS	RT3 ¹ / ₂ -L3-2-NP	Consult Factory	Consult Factory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



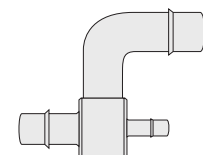
RT3¹/₂-L3-3¹/₂



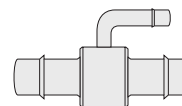
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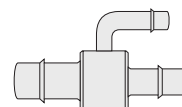
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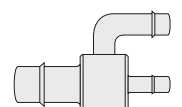
RT3¹/₂-L5-1



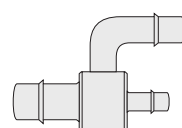
RT4-L1-4



RT4-L2-3



RT4-L2¹/₂-1



RT4-L3-2

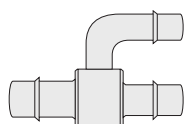
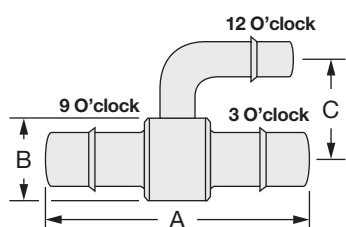
Continued on next page

Smaller branch options available! Consult factory!

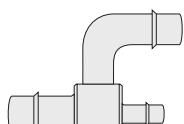
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Parallel Run Reducing L-Tees (cont.)

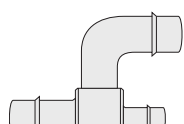
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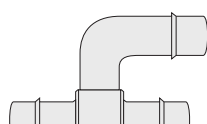
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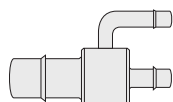
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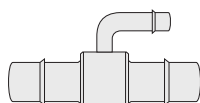
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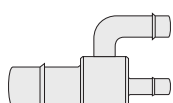
RT4-L5-4



RT5-L1-2



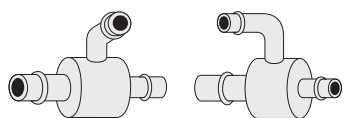
RT5-L2-5



RT5-L2 1/2-1

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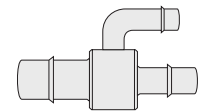
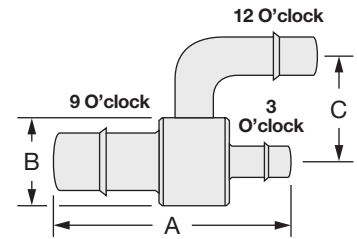
12 o'clock branch can be placed at any degree increment!



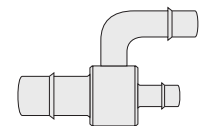
These are fixed locations; they do not swivel! Consult factory for details!

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 Ref.	C Dia.
.170	1/8	3/32	RT4-L3-2 1/2	RT4-L3-2 1/2-SS	RT4-L3-2 1/2-316SS	RT4-L3-2 1/2-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	Consult Factory	Consult Factory	Consult Factory
.170	1/8	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	Consult Factory	Consult Factory	Consult Factory
.170	1/8	.170	RT4-L3-4	RT4-L3-4-SS	RT4-L3-4-316SS	RT4-L3-4-NP	Consult Factory	Consult Factory	Consult Factory
.170	5/32 / 4mm	1/16	RT4-L3 1/2-1	RT4-L3 1/2-1-SS	RT4-L3 1/2-1-316SS	RT4-L3 1/2-1-NP	Consult Factory	Consult Factory	Consult Factory
.170	5/32 / 4mm	5/64 / 2mm	RT4-L3 1/2-2	RT4-L3 1/2-2-SS	RT4-L3 1/2-2-316SS	RT4-L3 1/2-2-NP	Consult Factory	Consult Factory	Consult Factory
.170	5/32 / 4mm	3/32	RT4-L3 1/2-2 1/2	RT4-L3 1/2-2 1/2-SS	RT4-L3 1/2-2 1/2-316SS	RT4-L3 1/2-2 1/2-NP	Consult Factory	Consult Factory	Consult Factory
.170	5/32 / 4mm	1/8	RT4-L3 1/2-3	RT4-L3 1/2-3-SS	RT4-L3 1/2-3-316SS	RT4-L3 1/2-3-NP	Consult Factory	Consult Factory	Consult Factory
.170	5/32 / 4mm	5/32 / 4mm	RT4-L3 1/2-3 1/2	RT4-L3 1/2-3 1/2-SS	RT4-L3 1/2-3 1/2-316SS	RT4-L3 1/2-3 1/2-NP	Consult Factory	Consult Factory	Consult Factory
.170	5/32 / 4mm	.170	RT4-L3 1/2-4	RT4-L3 1/2-4-SS	RT4-L3 1/2-4-316SS	RT4-L3 1/2-4-NP	Consult Factory	Consult Factory	Consult Factory
.170	.170	1/16	RT4-L4-1	RT4-L4-1-SS	RT4-L4-1-316SS	RT4-L4-1-NP	Consult Factory	Consult Factory	Consult Factory
.170	.170	5/64 / 2mm	RT4-L4-2	RT4-L4-2-SS	RT4-L4-2-316SS	RT4-L4-2-NP	Consult Factory	Consult Factory	Consult Factory
.170	.170	3/32	RT4-L4-2 1/2	RT4-L4-2 1/2-SS	RT4-L4-2 1/2-316SS	RT4-L4-2 1/2-NP	Consult Factory	Consult Factory	Consult Factory
.170	.170	1/8	RT4-L4-3	RT4-L4-3-SS	RT4-L4-3-316SS	RT4-L4-3-NP	Consult Factory	Consult Factory	Consult Factory
.170	.170	5/32 / 4mm	RT4-L4-3 1/2	RT4-L4-3 1/2-SS	RT4-L4-3 1/2-316SS	RT4-L4-3 1/2-NP	Consult Factory	Consult Factory	Consult Factory
.170	3/16	1/16	RT4-L5-1	RT4-L5-1-SS	RT4-L5-1-316SS	RT4-L5-1-NP	Consult Factory	Consult Factory	Consult Factory
.170	3/16	5/64 / 2mm	RT4-L5-2	RT4-L5-2-SS	RT4-L5-2-316SS	RT4-L5-2-NP	Consult Factory	Consult Factory	Consult Factory
.170	3/16	3/32	RT4-L5-2 1/2	RT4-L5-2 1/2-SS	RT4-L5-2 1/2-316SS	RT4-L5-2 1/2-NP	Consult Factory	Consult Factory	Consult Factory
.170	3/16	1/8	RT4-L5-3	RT4-L5-3-SS	RT4-L5-3-316SS	RT4-L5-3-NP	Consult Factory	Consult Factory	Consult Factory
.170	3/16	5/32 / 4mm	RT4-L5-3 1/2	RT4-L5-3 1/2-SS	RT4-L5-3 1/2-316SS	RT4-L5-3 1/2-NP	Consult Factory	Consult Factory	Consult Factory
.170	3/16	.170	RT4-L5-4	RT4-L5-4-SS	RT4-L5-4-316SS	RT4-L5-4-NP	Consult Factory	Consult Factory	Consult Factory
3/16	1/16	1/16	RT5-L1-1	RT5-L1-1-SS	RT5-L1-1-316SS	RT5-L1-1-NP	Consult Factory	Consult Factory	Consult Factory
3/16	1/16	5/64 / 2mm	RT5-L1-2	RT5-L1-2-SS	RT5-L1-2-316SS	RT5-L1-2-NP	Consult Factory	Consult Factory	Consult Factory
3/16	1/16	3/32	RT5-L1-2 1/2	RT5-L1-2 1/2-SS	RT5-L1-2 1/2-316SS	RT5-L1-2 1/2-NP	Consult Factory	Consult Factory	Consult Factory
3/16	1/16	1/8	RT5-L1-3	RT5-L1-3-SS	RT5-L1-3-316SS	RT5-L1-3-NP	Consult Factory	Consult Factory	Consult Factory
3/16	1/16	5/32 / 4mm	RT5-L1-3 1/2	RT5-L1-3 1/2-SS	RT5-L1-3 1/2-316SS	RT5-L1-3 1/2-NP	Consult Factory	Consult Factory	Consult Factory
3/16	1/16	.170	RT5-L1-4	RT5-L1-4-SS	RT5-L1-4-316SS	RT5-L1-4-NP	Consult Factory	Consult Factory	Consult Factory
3/16	1/16	3/16	RT5-L1-5	RT5-L1-5-SS	RT5-L1-5-316SS	RT5-L1-5-NP	Consult Factory	Consult Factory	Consult Factory
3/16	5/64 / 2mm	1/16	RT5-L2-1	RT5-L2-1-SS	RT5-L2-1-316SS	RT5-L2-1-NP	Consult Factory	Consult Factory	Consult Factory
3/16	5/64 / 2mm	5/64 / 2mm	RT5-L2-2	RT5-L2-2-SS	RT5-L2-2-316SS	RT5-L2-2-NP	Consult Factory	Consult Factory	Consult Factory
3/16	5/64 / 2mm	3/32	RT5-L2-2 1/2	RT5-L2-2 1/2-SS	RT5-L2-2 1/2-316SS	RT5-L2-2 1/2-NP	Consult Factory	Consult Factory	Consult Factory
3/16	5/64 / 2mm	1/8	RT5-L2-3	RT5-L2-3-SS	RT5-L2-3-316SS	RT5-L2-3-NP	Consult Factory	Consult Factory	Consult Factory
3/16	5/64 / 2mm	5/32 / 4mm	RT5-L2-3 1/2	RT5-L2-3 1/2-SS	RT5-L2-3 1/2-316SS	RT5-L2-3 1/2-NP	Consult Factory	Consult Factory	Consult Factory
3/16	5/64 / 2mm	.170	RT5-L2-4	RT5-L2-4-SS	RT5-L2-4-316SS	RT5-L2-4-NP	Consult Factory	Consult Factory	Consult Factory
3/16	5/64 / 2mm	3/16	RT5-L2-5	RT5-L2-5-SS	RT5-L2-5-316SS	RT5-L2-5-NP	Consult Factory	Consult Factory	Consult Factory
3/16	3/32	1/16	RT5-L2 1/2-1	RT5-L2 1/2-1-SS	RT5-L2 1/2-1-316SS	RT5-L2 1/2-1-NP	Consult Factory	Consult Factory	Consult Factory

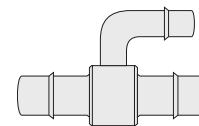
Tube ID			Part Numbers				Dimensions (Reference)		
9 O'clock	12 O'clock	3 O'clock	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Ref.	C Dia.
3/16	3/32	5/64 / 2mm	RT5-L2 ¹ / ₂ -2	RT5-L2 ¹ / ₂ -2-SS	RT5-L2 ¹ / ₂ -2-316SS	RT5-L2 ¹ / ₂ -2-NP	Consult Factory	Consult Factory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



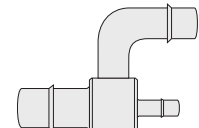
RT5-L2¹/₂-3



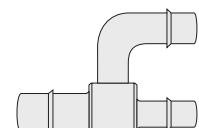
RT5-L3-2¹/₂



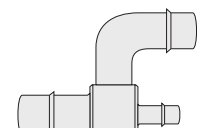
RT5-L3-5



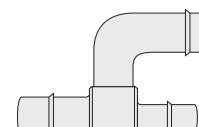
RT5-L3¹/₂-1



RT5-L3¹/₂-3



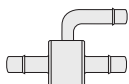
RT5-L4-2



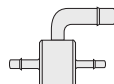
RT5-L5-3

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

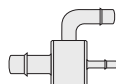
Smaller
branch
sizes
available!



RT1-L.050-1



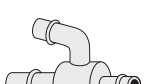
RT.040-L1-.031



RT2-L.050-.031

Consult
factory
for
details!

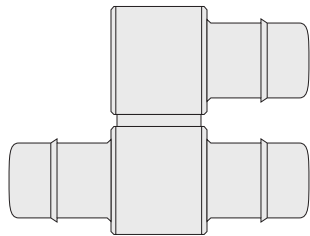
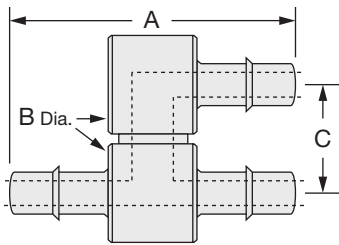
12 o'clock
branch can
be placed at
any degree
increment!



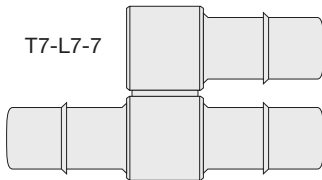
These
branches
do not
swivel!

A Fabricated Parallel Run L-Tees

50

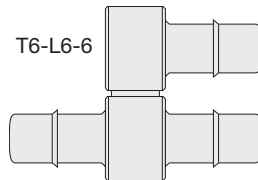


T8-L8-8

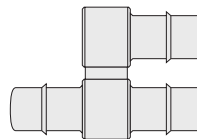


T7-L7-7

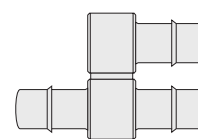
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
3/16	T5-L5-5	T5-L5-5-SS	T5-L5-5-316SS	T5-L5-5-NP	Consult Factory		
7/32	T5 ¹ / ₂ -L5 ¹ / ₂ -5 ¹ / ₂	T5 ¹ / ₂ -L5 ¹ / ₂ -5 ¹ / ₂ -SS	T5 ¹ / ₂ -L5 ¹ / ₂ -5 ¹ / ₂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



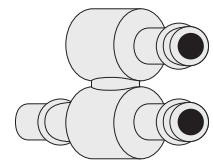
T6-L6-6



T5¹/₂-L5¹/₂-5¹/₂

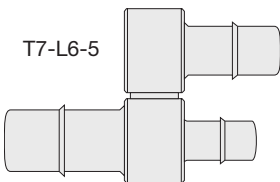
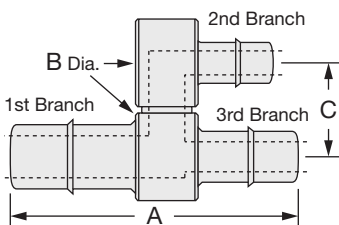


T5-L5-5

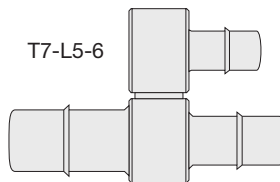


Fabricated Parallel Run Reducing L-Tees

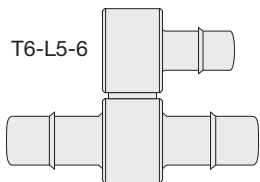
51



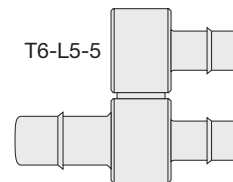
T7-L6-5



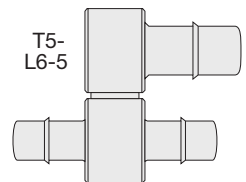
T7-L5-6



T6-L5-6



T6-L5-5



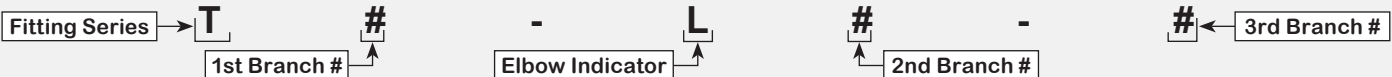
T5-L6-5

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

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

Part Numbers for Reducing Fabricated Parallel Run L-Tees:

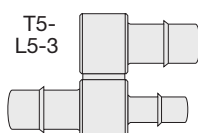


Unless otherwise specified, parts will be Brass. To order other materials, please add the following codes to the part number:
-SS = Stainless Steel 303 **-316SS = Stainless Steel 316** **-NP = Electroless Nickel Plate**

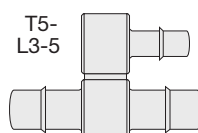
Smaller branch sizes available! Many configurations are possible! Consult factory for details!



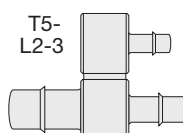
T6-L3-5



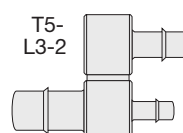
T5-L5-3



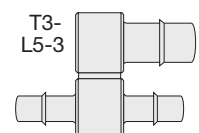
T5-L3-5



T5-L2-3



T5-L3-2



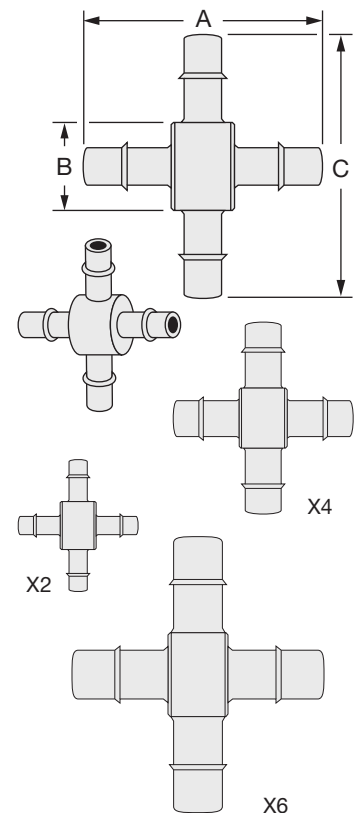
T3-L5-3

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	1 1/16
5/64 / 2mm	X2	X2-SS	X2-316SS	X2-NP	5/8	1/4	1 1/16
3/32	X2 1/2	X2 1/2-SS	X2 1/2-316SS	X2 1/2-NP	4 1/64	9/32	1 1/16
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 1/8
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



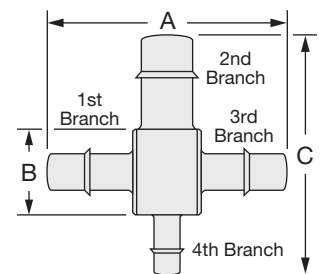
53

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	Consult Factory	Consult Factory	Consult Factory
3/32	2 1/2	Consult Factory	Consult Factory	Consult Factory
1/8	3	Consult Factory	Consult Factory	Consult Factory
5/32 / 4mm	3 1/2	Consult Factory	Consult Factory	Consult Factory

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

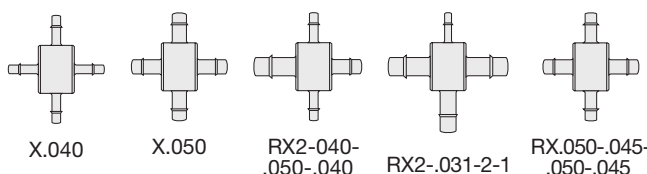
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Ref.	C Dia.
5/16 / 8mm	7	Consult Factory	Consult Factory	Consult Factory
3/8	8	Consult Factory	Consult Factory	Consult Factory
1/2	10	Consult Factory	Consult Factory	Consult Factory
5/8	11	Consult Factory	Consult Factory	Consult Factory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



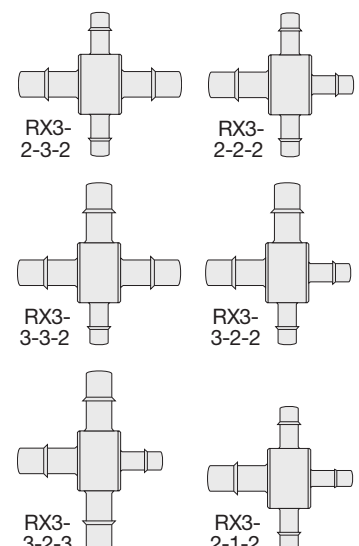
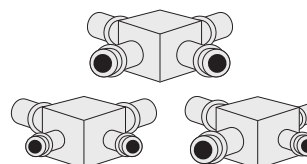
Part Numbers for Reducing Fabricated Parallel Run L-Tees:					
Fitting Series	RX	#	-	#	4th Branch #
		1st Branch #		2nd Branch #	3rd Branch #

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

Smaller branch sizes available! Consult factory for details!

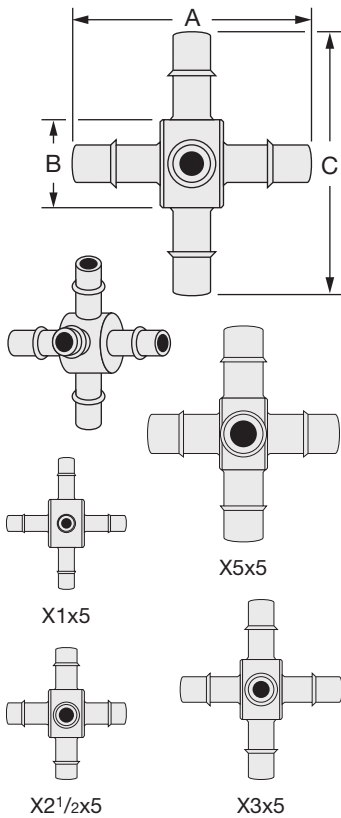


NEW: Square Body Crosses!
See page 519 for details!



A Five Branch Crosses

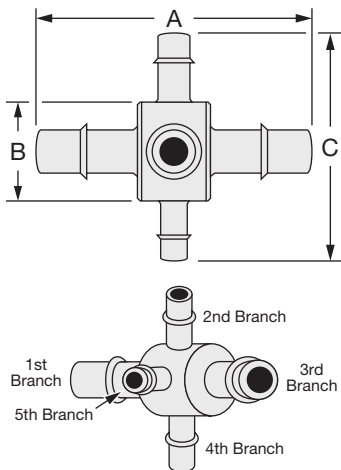
54



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	1 1/16
5/64 / 2mm	X2x5	X2x5-SS	X2x5-316SS	X2x5-NP	5/8	1/4	1 1/16
3/32	X2 1/2 x5	X2 1/2 x5-SS	X2 1/2 x5-316SS	X2 1/2 x5-NP	41/64	9/32	1 1/16
1/8	X3x5	X3x5-SS	X3x5-316SS	X3x5-NP	27/32	5/16	1 5/16
5/32 / 4mm	X3 1/2 x5	X3 1/2 x5-SS	X3 1/2 x5-316SS	X3 1/2 x5-NP	27/32	5/16	1 5/16
.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 1/2 x5	X5 1/2 x5-SS	X5 1/2 x5-316SS	X5 1/2 x5-NP	1.00	3/8	1 1/16
6mm	X5 3/4 x5	X5 3/4 x5-SS	X5 3/4 x5-316SS	X5 3/4 x5-NP	15/16	3/8	1 7/16
1/4	X6x5	X6x5-SS	X6x5-316SS	X6x5-NP	15/16	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



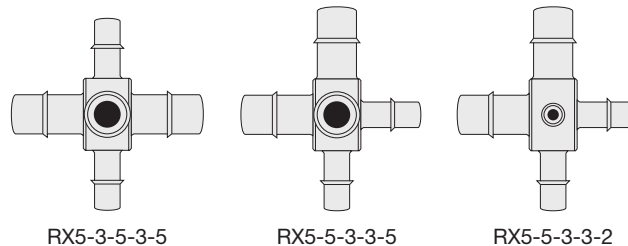
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Ref.	C Dia.
1/16	1	Consult Factory	Consult Factory	Consult Factory
5/64 / 2mm	2	Consult Factory	Consult Factory	Consult Factory
3/32	2 1/2	Consult Factory	Consult Factory	Consult Factory
1/8	3	Consult Factory	Consult Factory	Consult Factory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

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

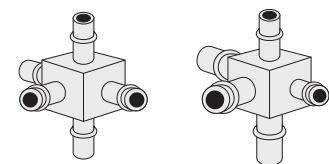
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Ref.	C Dia.
5/16 / 8mm	7	Consult Factory	Consult Factory	Consult Factory
3/8	8	Consult Factory	Consult Factory	Consult Factory
1/2	10	Consult Factory	Consult Factory	Consult Factory
5/8	11	Consult Factory	Consult Factory	Consult Factory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

Smaller branch sizes available!
Consult factory for details!

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



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



Part Numbers for Reducing Fabricated Parallel Run L-Tees:

Fitting Series	X	#	-	#	-	#	-	#	-	#	5th Branch #
		1st Branch #		2nd Branch #		3rd Branch #		4th Branch #			

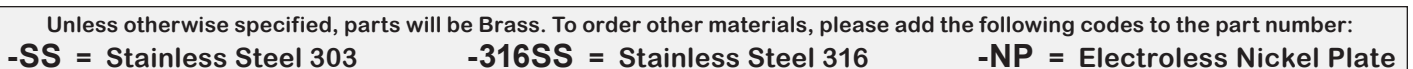
Unless otherwise specified, parts will be Brass. To order other materials, please add the following codes to the part number:
-SS = Stainless Steel 303 **-316SS** = Stainless Steel 316 **-NP** = Electroless Nickel Plate

Technical drawings of cross connectors. The top drawing is a side view of a cross connector with dimensions A (width), B (height), and C (total height). Below it are three isometric views of different sizes: X2x6, X3 1/2x6, and X6x6.

RX3-5-3-3-3-3

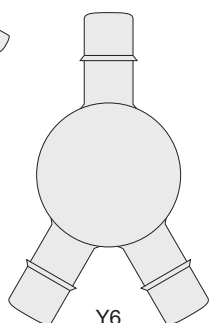
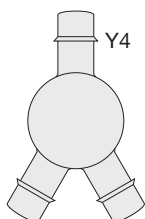
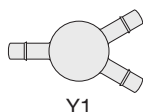
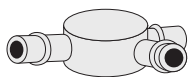
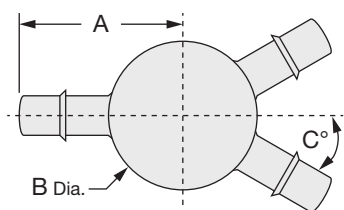
NEW: Square Body 6 Branch Crosses! Consult factory for details!

Part numbers may vary & should be confirmed.



Y Fittings

58

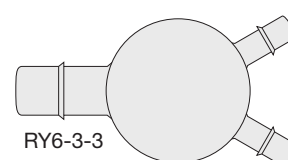
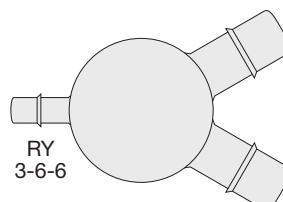
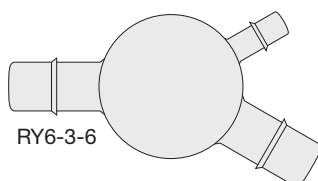
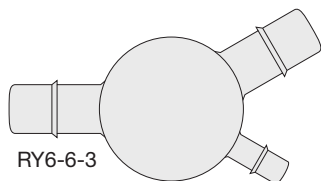
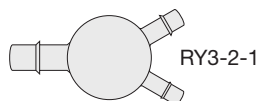
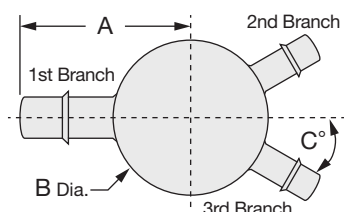


**Other
branch
angles
available!
Consult
factory
for
details!**

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
1/16	Y1	Y1-SS	Y1-316SS	Y1-NP	15/32	5/16	30°
5/64 / 2mm	Y2	Y2-SS	Y2-316SS	Y2-NP	15/32	5/16	30°
3/32	Y2 1/2	Y2 1/2-SS	Y2 1/2-316SS	Y2 1/2-NP	15/32	5/16	30°
1/8	Y3	Y3-SS	Y3-316SS	Y3-NP	17/32	7/16	30°
5/32 / 4mm	Y3 1/2	Y3 1/2-SS	Y3 1/2-316SS	Y3 1/2-NP	9/16	1/2	30°
.170	Y4	Y4-SS	Y4-316SS	Y4-NP	19/32	1/2	30°
3/16	Y5	Y5-SS	Y5-316SS	Y5-NP	5/8	1/2	30°
7/32	Y5 1/2	Y5 1/2-SS	Y5 1/2-316SS	Y5 1/2-NP	5/8	1/2	30°
6mm	Y5 3/4	Y5 3/4-SS	Y5 3/4-316SS	Y5 3/4-NP	7/8	3/4	30°
1/4	Y6	Y6-SS	Y6-316SS	Y6-NP	7/8	3/4	30°
5/16 / 8mm	Y7	Y7-SS	Y7-316SS	Y7-NP	1 1/8	1	30°
3/8	Y8	Y8-SS	Y8-316SS	Y8-NP	1 1/32	1	30°
1/2	Y10	Y10-SS	Y10-316SS	Y10-NP	1 3/8	1 1/4	30°
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

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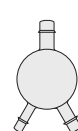
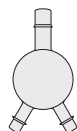
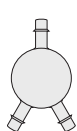


Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Ref.	C Dia.
1/16	1	Consult Factory	Consult Factory	Consult Factory
5/64 / 2mm	2			
3/32	2 1/2			
1/8	3			
5/32 / 4mm	3 1/2			

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!

Part Numbers for Reducing Y Fittings:

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

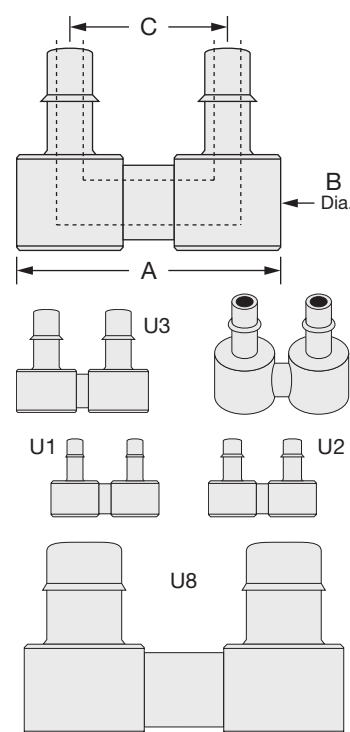
1st Branch # 2nd Branch #

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

60

Fabricated Close Quarter U Fitting with Stem Bridge

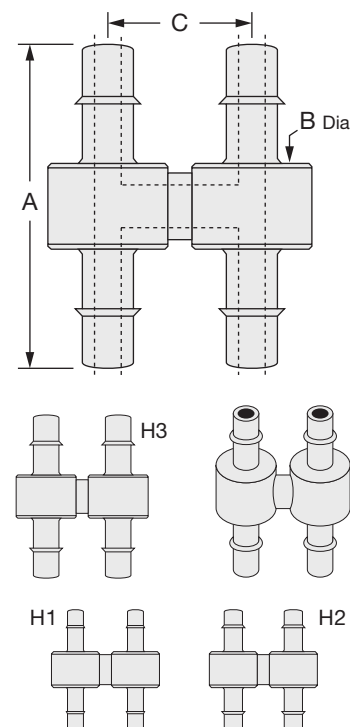
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
1/16	U1	U1-SS	U1-316SS	U1-NP	Consult Factory	Consult Factory	Consult Factory
5/64 / 2mm	U2	U2-SS	U2-316SS	U2-NP			
3/32	U2 1/2	U2 1/2-SS	U2 1/2-316SS	U2 1/2-NP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



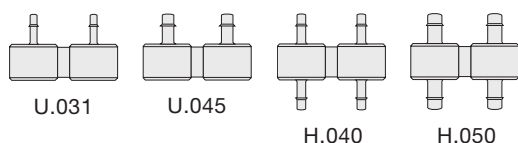
61

Parallel Run Combinations - H Fittings

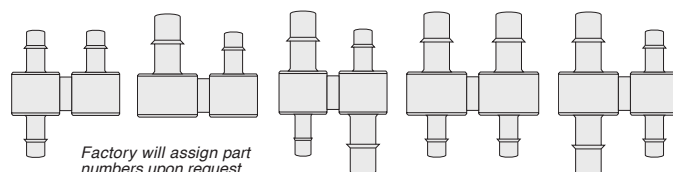
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
1/16	H1	H1-SS	H1-316SS	H1-NP	Consult Factory	Consult Factory	Consult Factory
5/64 / 2mm	H2	H2-SS	H2-316SS	H2-NP			
3/32	H2 1/2	H2 1/2-SS	H2 1/2-316SS	H2 1/2-NP			
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	1 5/32
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!



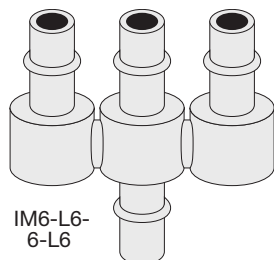
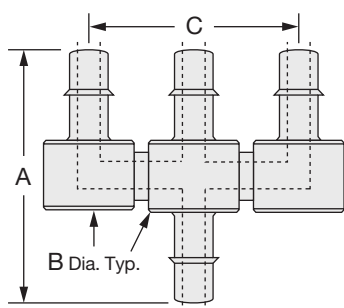
Reducing & Custom options available! Consult factory!



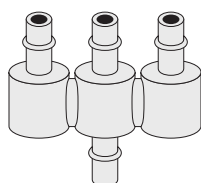
A

In-Line Manifold Parallel Run Combinations

62



IM6-L6-6-L6

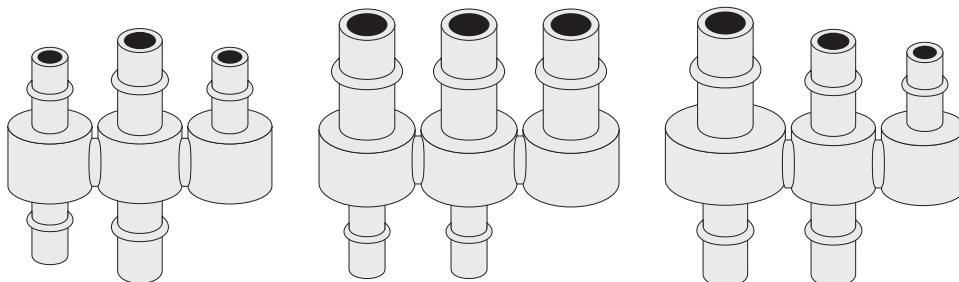


IM3-L3-3-L3

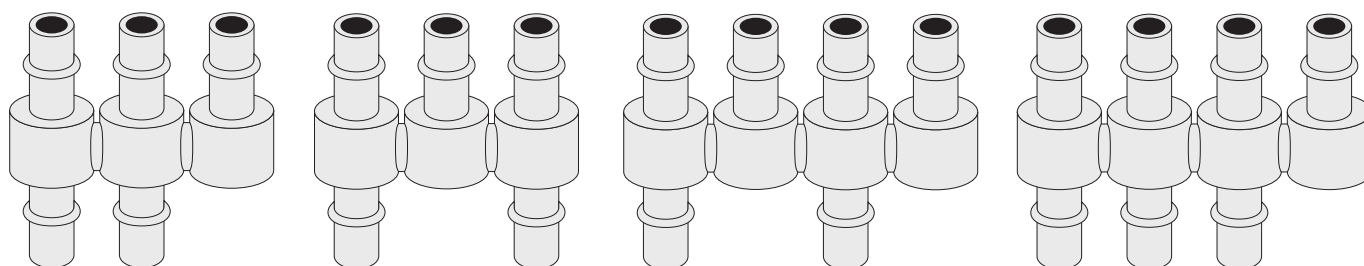
Smaller branch sizes available!
Consult factory for details!

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B 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	1 5/16
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	1 5/16
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	1 5/16
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	1 5/16
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	Consult Factory
3/8	IM8-L8-8-L8	IM8-L8-8-L8-SS	IM8-L8-8-L8-316SS	IM8-L8-8-L8-NP	Consult Factory	Consult Factory	Consult Factory
1/2	IM10-L10-10-L10	IM10-L10-10-L10-SS	IM10-L10-10-L10-316SS	IM10-L10-10-L10-NP	Consult Factory	Consult Factory	Consult Factory
5/8	IM11-L11-11-L11	IM11-L11-11-L11-SS	IM11-L11-11-L11-316SS	IM11-L11-11-L11-NP	Consult Factory	Consult Factory	Consult Factory
3/4	IM12-L12-12-L12	IM12-L12-12-L12-SS	IM12-L12-12-L12-316SS	IM12-L12-12-L12-NP	Consult Factory	Consult Factory	Consult Factory

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

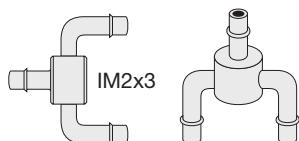
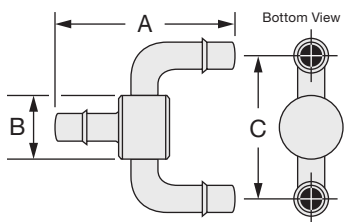


Custom In-Line Parallel Run Manifolds available! Numerous branch combinations possible! Consult factory for details!



In-Line Manifolds - Two L-Branched

63



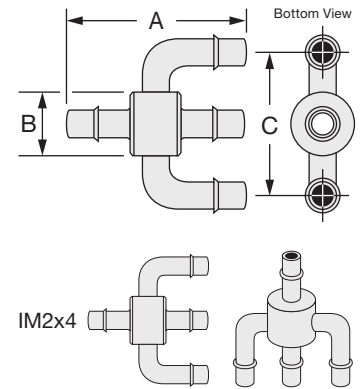
54

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

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

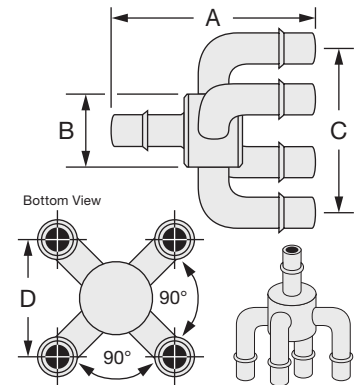
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
1/16	IM1x4	IM1x4-SS	IM1x4-316SS	IM1x4-NP	Consult Factory	1/4	Consult Factory
5/64 / 2mm	IM2x4	IM2x4-SS	IM2x4-316SS	IM2x4-NP		1/4	
3/32	IM2 1/2x4	IM2 1/2x4-SS	IM2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



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In-Line Manifolds - Four L Branches

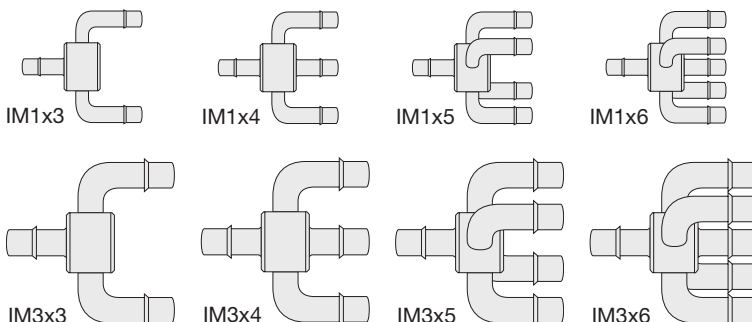
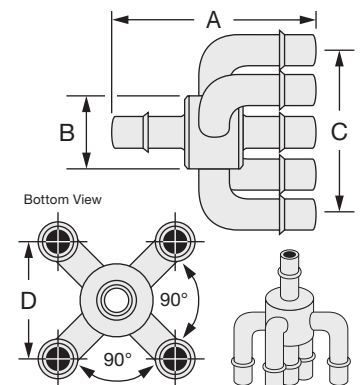
Tube ID	Part Numbers				Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.	D Ref.
1/16	IM1x5	IM1x5-SS	IM1x5-316SS	IM1x5-NP	Consult Factory	1/4	Consult Factory	Consult Factory
5/64 / 2mm	IM2x5	IM2x5-SS	IM2x5-316SS	IM2x5-NP		1/4		
3/32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



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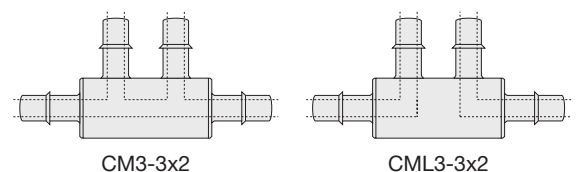
In-Line Manifolds - Five Outlet Branches (Four L Branches)

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	Consult Factory	5/16	Consult Factory	Consult Factory
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		



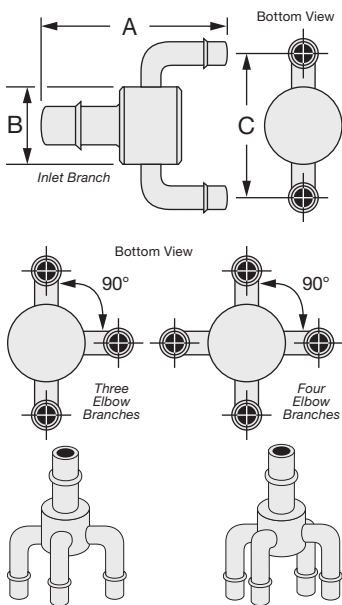
Hex Body options available! Consult factory for details!

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



In-Line Reducing Manifolds with L-Branches

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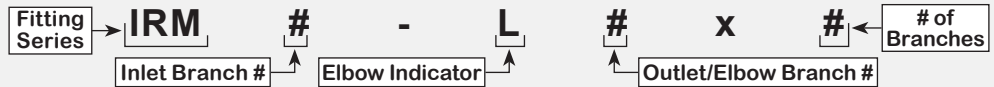
Inlet Branch		Dimensions (Reference)	
Tube ID	Branch Number	A Ref.	B Dia.
1/16	1	Consult Factory	Consult Factory
5/64 / 2mm	2	Consult Factory	Consult Factory
3/32	2 1/2	Consult Factory	Consult Factory
1/8	3	Consult Factory	Consult Factory
5/32 / 4mm	3 1/2	Consult Factory	Consult Factory
.170	4	Consult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

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	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
1/2	10	Consult Factory	Consult Factory

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

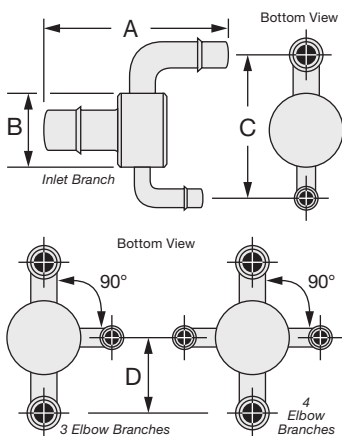
Available with two, three, or four outlet elbow branches!

Part Numbers for In-Line Reducing Manifolds:



In-Line Reducing Mixed Branch Size Manifolds

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

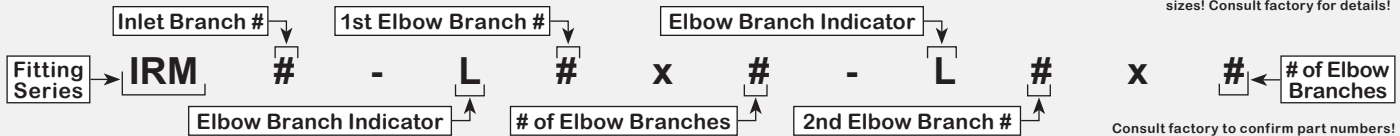
Inlet Branch		Dimensions (Reference)	
Tube ID	Branch Number	A Ref.	B Dia.
7/32	5 1/2	Consult Factory	Consult Factory
6mm	5 3/4	Consult Factory	Consult Factory
1/4	6	Consult Factory	Consult Factory
5/16 / 8mm	7	Consult Factory	Consult Factory
3/8	8	Consult Factory	Consult Factory
1/2	10	Consult Factory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

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

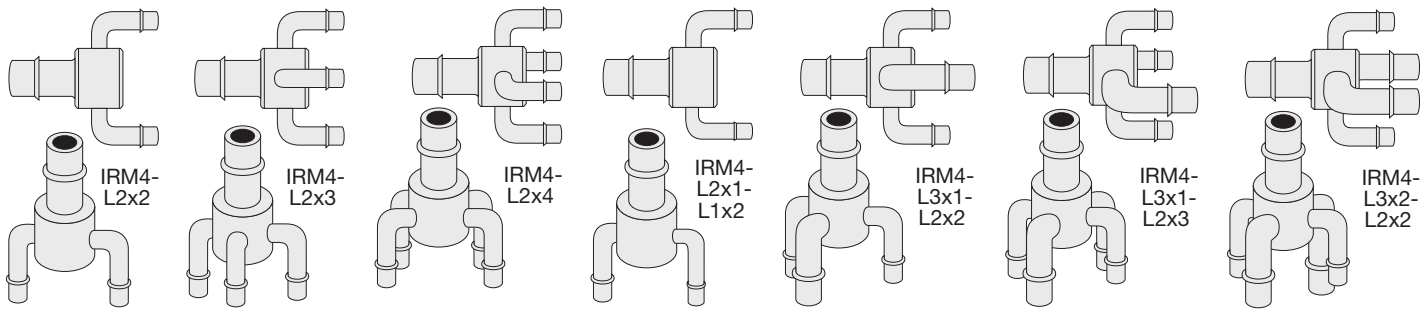
Available with two, three, or four outlet elbow branches!

Part Numbers for In-Line Reducing Mixed Branch Size Manifold Fittings:

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



Consult factory to confirm part numbers!



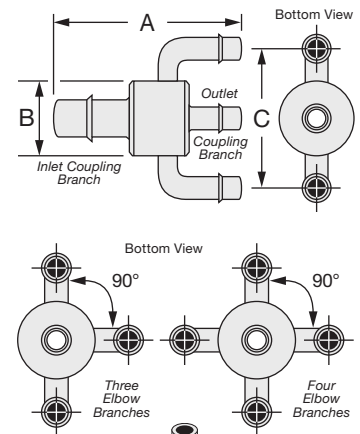
Unless otherwise specified, parts will be Brass. To order other materials, please add the following codes to the part number:
-SS = Stainless Steel 303 **-316SS = Stainless Steel 316** **-NP = Electroless Nickel Plate**

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		

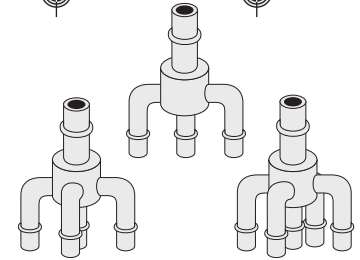
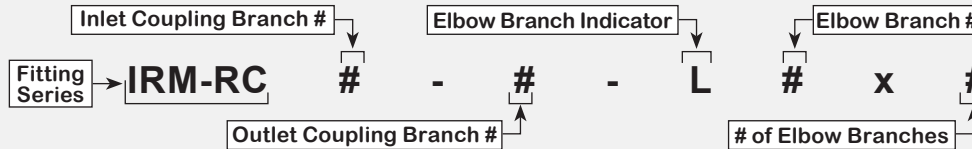
Inlet Branch		Dimensions (Reference)	
Tube ID	Branch Number	A Ref.	B Dia.
7/32	5 1/2	Consult Factory	Consult Factory
6mm	5 3/4		
1/4	6		
5/16 / 8mm	7		
3/8	8		
1/2	10		

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!

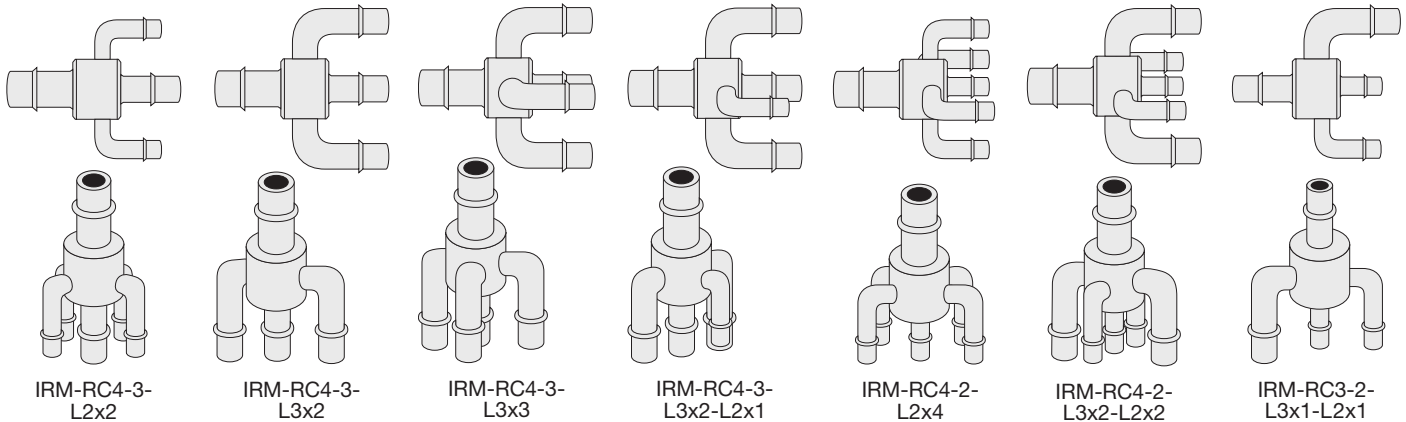
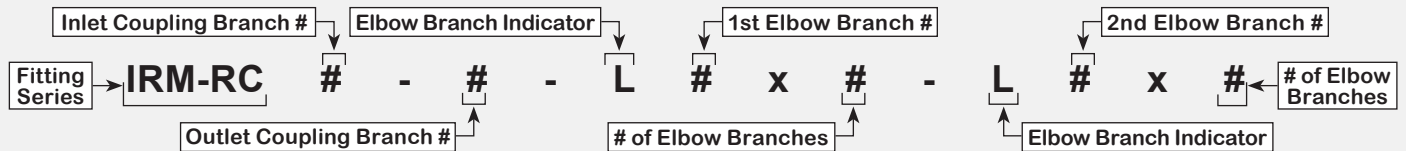


Part Numbers for In-Line Reducing Manifolds with Reducing Couplings:



Consult factory to confirm part numbers!

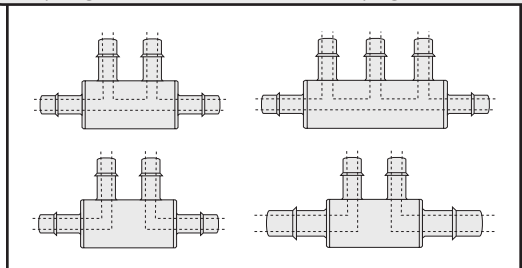
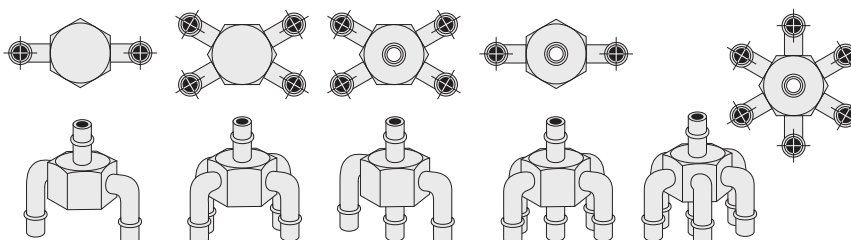
Part Numbers for In-Line Reducing Mixed Branch Manifolds with Reducing Couplings:



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**

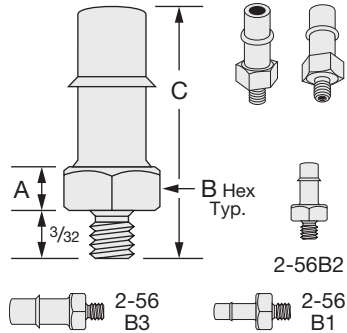
In-Line Manifolds available with Hex Bodies! Consult factory for details!

Coupling Manifolds available! See pages 502-503!



2-56 Thread to Tube

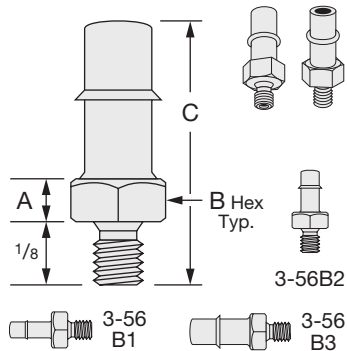
70



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

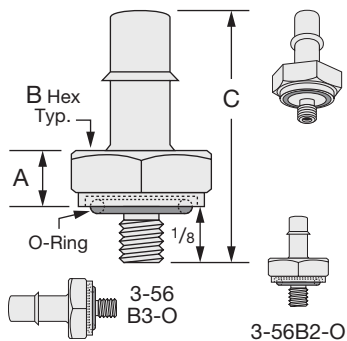
71



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	3/16	.429
5/64 / 2mm	3-56B2	3-56B2-SS	3-56B2-316SS	3-56B2-AL	3-56B2-NP	.085	3/16	.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 Seal Installed

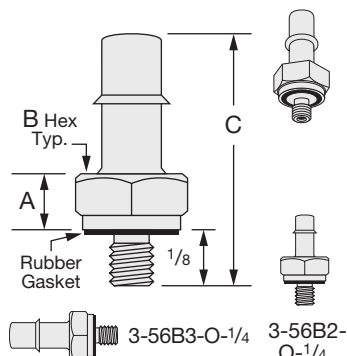
72



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	5/16	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	5/16	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	5/16	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	5/16	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	5/16	9/16
.170	3-56B4-O	3-56B4-O-SS	3-56B4-O-316SS	3-56B4-O-AL	3-56B4-O-NP	1/8	5/16	19/32

3-56 Thread to Tube with Captive Rubber Gasket Installed

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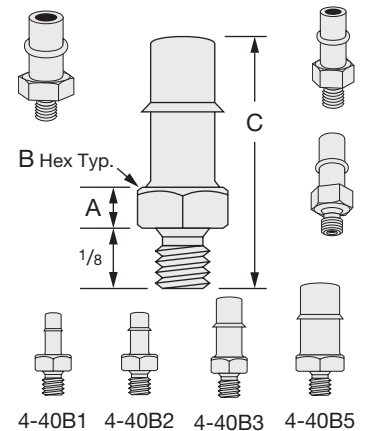


Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	3-56B1-O-1/4	3-56B1-O-1/4-SS	3-56B1-O-1/4-316SS	3-56B1-O-1/4-AL	3-56B1-O-1/4-NP	1/8	1/4	15/32
5/64 / 2mm	3-56B2-O-1/4	3-56B2-O-1/4-SS	3-56B2-O-1/4-316SS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

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4-40 Thread to Tube with Fibre Gasket Supplied

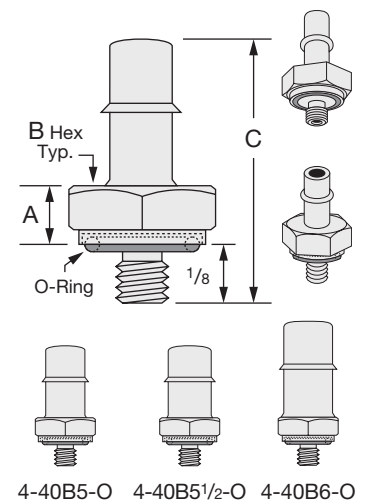
Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	4-40B1	4-40B1-SS	4-40B1-316SS	4-40B1-AL	4-40B1-NP	.085	3/16	.429
5/64 / 2mm	4-40B2	4-40B2-SS	4-40B2-316SS	4-40B2-AL	4-40B2-NP	.085	3/16	.429
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	.429
1/8	4-40B3	4-40B3-SS	4-40B3-316SS	4-40B3-AL	4-40B3-NP	.085	3/16	.523
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	.523
.170	4-40B4	4-40B4-SS	4-40B4-316SS	4-40B4-AL	4-40B4-NP	.085	1/4	.554
3/16	4-40B5	4-40B5-SS	4-40B5-316SS	4-40B5-AL	4-40B5-NP	.085	1/4	.585



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4-40 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.
1/16	4-40B1-O	4-40B1-O-SS	4-40B1-O-316SS	4-40B1-O-AL	4-40B1-O-NP	1/8	5/16	15/32
5/64 / 2mm	4-40B2-O	4-40B2-O-SS	4-40B2-O-316SS	4-40B2-O-AL	4-40B2-O-NP	1/8	5/16	15/32
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	5/16	15/32
1/8	4-40B3-O	4-40B3-O-SS	4-40B3-O-316SS	4-40B3-O-AL	4-40B3-O-NP	1/8	5/16	9/16
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	5/16	9/16
.170	4-40B4-O	4-40B4-O-SS	4-40B4-O-316SS	4-40B4-O-AL	4-40B4-O-NP	1/8	5/16	19/32
3/16	4-40B5-O	4-40B5-O-SS	4-40B5-O-316SS	4-40B5-O-AL	4-40B5-O-NP	1/8	5/16	5/8
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	5/8
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	3/4
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	3/4

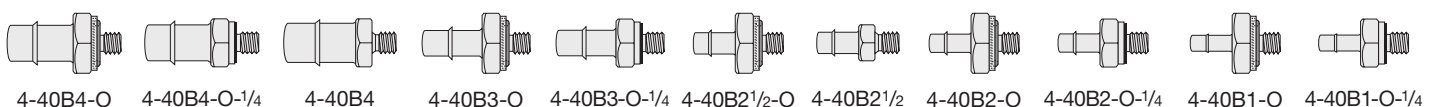
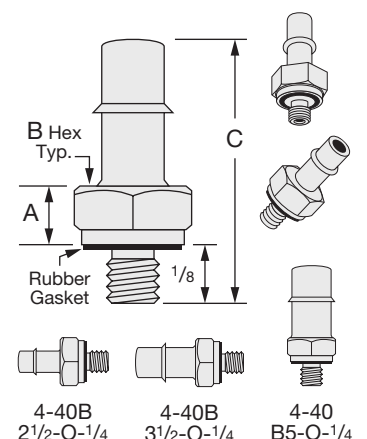


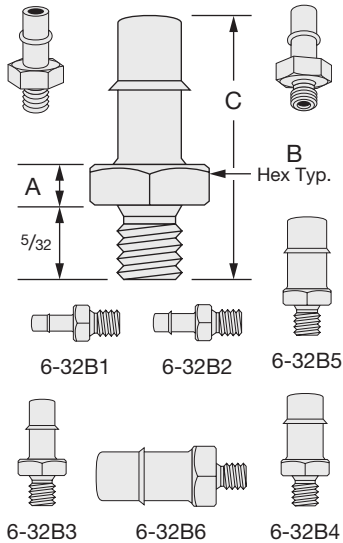
O-Ring options listed on page 65!

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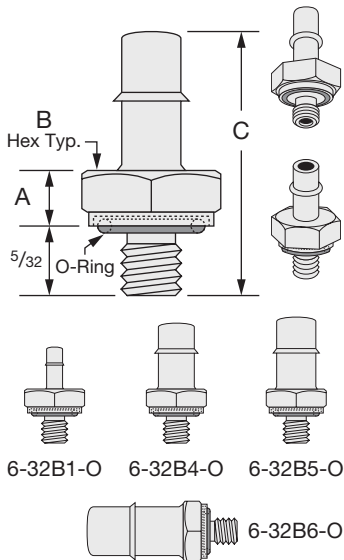
4-40 Thread to Tube with Captive Rubber Gasket Installed

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	15/32
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	15/32
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	15/32
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	9/16
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	9/16
.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	19/32
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	5/8

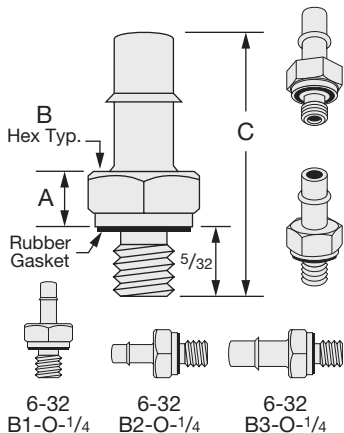


6-32 Thread to Tube with Fibre Gasket Supplied**77**

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 Seal 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

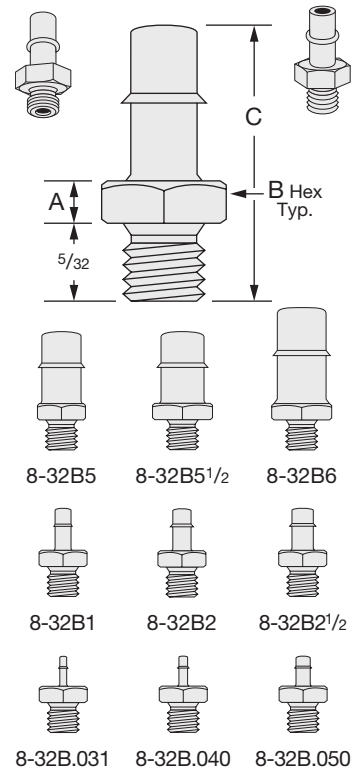
6-32 Thread to Tube with Captive Rubber Gasket Installed**79**

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

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8-32 Thread to Tube with Fibre Gasket Supplied

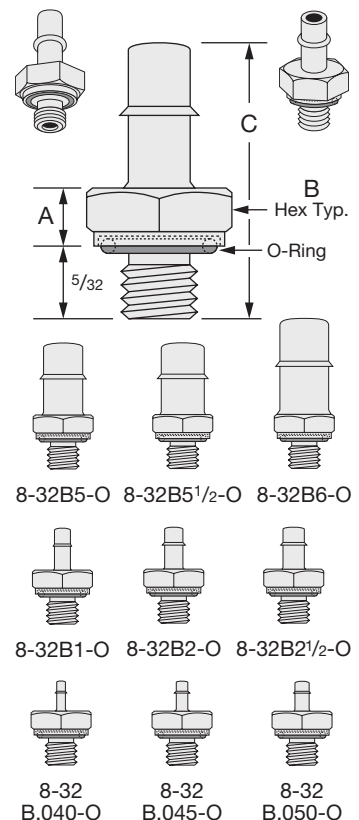
Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	8-32B.031	8-32B.031-SS	8-32B.031-316SS	8-32B.031-AL	8-32B.031-NP	.085	1/4	25/64
.040 / 1mm	8-32B.040	8-32B.040-SS	8-32B.040-316SS	8-32B.040-AL	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



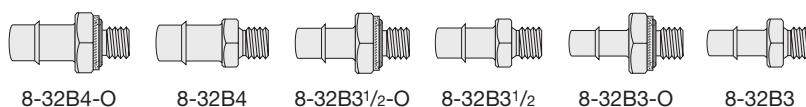
81

8-32 Thread to Tube with O-Ring 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	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!

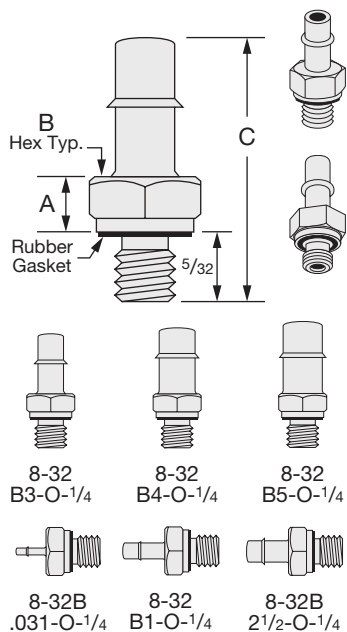


Supplied with Buna-N O-Ring! Other options listed on page 65!

8-32 Thread to Tube with Captive Rubber Gasket Installed

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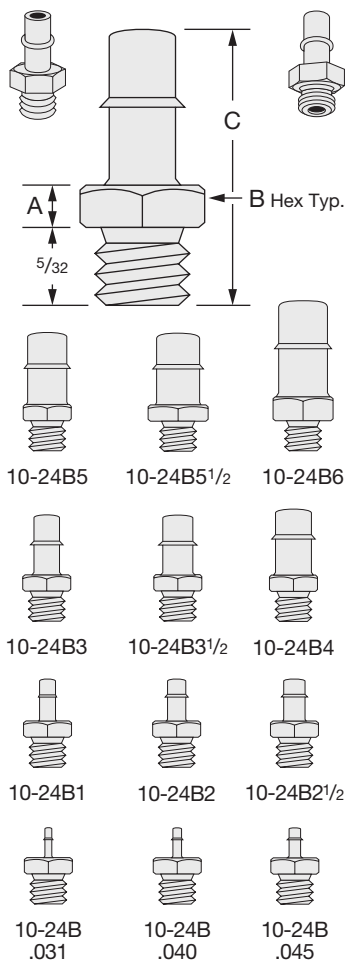
B



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

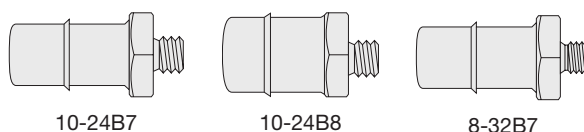
10-24 Thread to Tube with Fibre Gasket Supplied

83



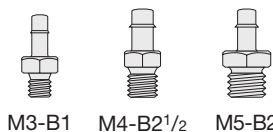
Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	10-24B.031	10-24B.031-SS	10-24B.031-316SS	10-24B.031-AL	10-24B.031-NP	.085	1/4	25/64
.040 / 1mm	10-24B.040	10-24B.040-SS	10-24B.040-316SS	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!



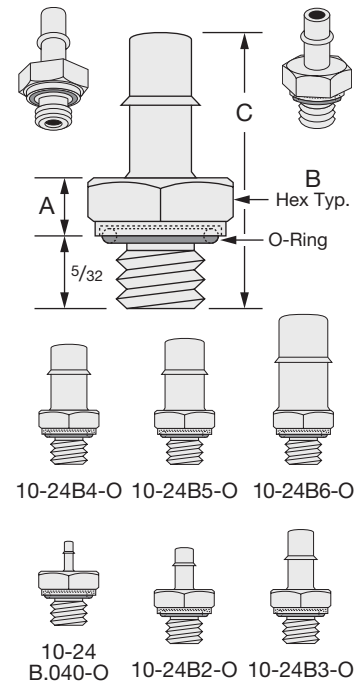
Consult factory for details!

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

84

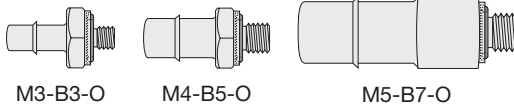
10-24 Thread to Tube with O-Ring Seal Installed

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	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



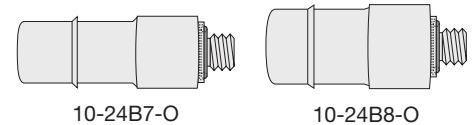
Supplied with Buna-N O-Ring!
Other options listed on page 65!

Metric Threads available! See pages 468 - 487!



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

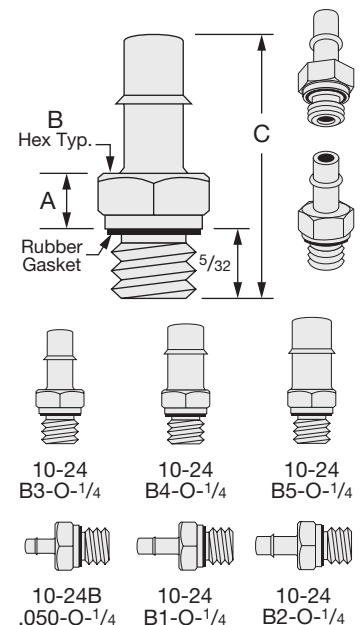
Larger branch sizes available with square bodies!



85

10-24 Thread to Tube with Captive Rubber Gasket Installed

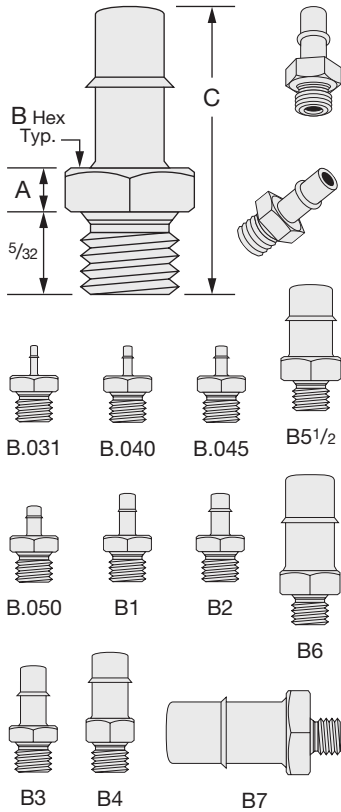
Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	10-24 B.031-O-1/4	10-24B.031-O-1/4-SS	10-24B.031-O-1/4-316SS	10-24B.031-O-1/4-AL	10-24B.031-O-1/4-NP	1/8	1/4	7/16
.040 / 1mm	10-24 B.040-O-1/4	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 Thread fittings with Captive Rubber Gaskets installed are available with larger tube ID's! Lead times may apply! Consult factory for details!

10-32 Thread to Tube with Fibre Gasket Supplied

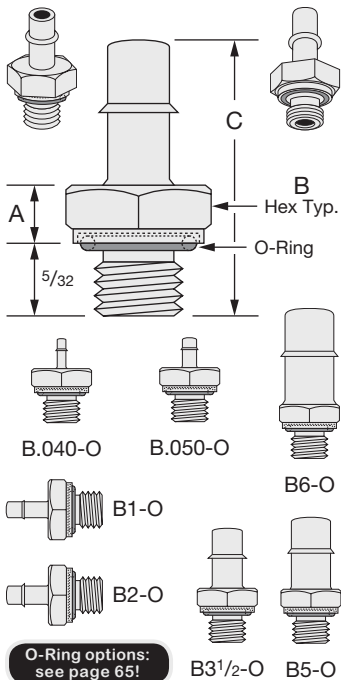
86



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 Seal Installed

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O-Ring options: see page 65!

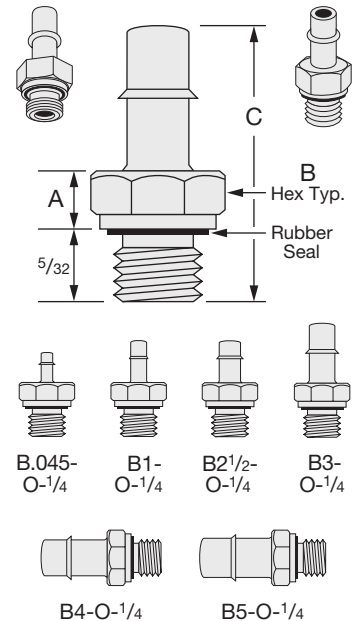
*B7-O & B8-O have Square Bodies

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	11/32*	3/8*	1.217
3/8	B8-O	B8-O-SS	B8-O-316SS	B8-O-AL	B8-O-NP	Consult Factory		

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10-32 Thread to Tube with Captive Rubber Gasket Installed

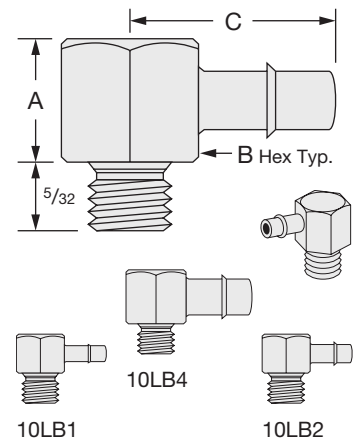
Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	B.031-O-1/4	B.031-O-1/4-SS	B.031-O-1/4-316SS	B.031-O-1/4-AL	B.031-O-1/4-NP	1/8	1/4	7/16
.040 / 1mm	B.040-O-1/4	B.040-O-1/4-SS	B.040-O-1/4-316SS	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	2 1/32



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10-32 Thread to Tube Elbows with Fibre Gasket Supplied

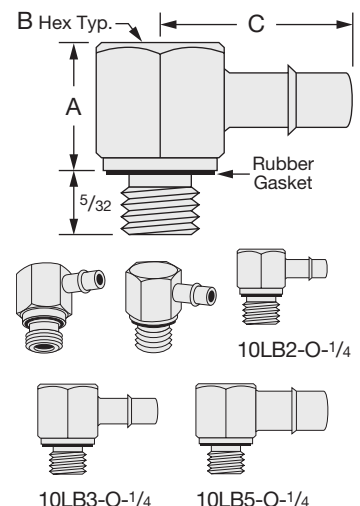
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	10LB1	10LB1-SS	10LB1-316SS	10LB1-NP	13/64	1/4	1 1/32
5/64 / 2mm	10LB2	10LB2-SS	10LB2-316SS	10LB2-NP	13/64	1/4	1 1/32
3/32	10LB2 1/2	10LB2 1/2-SS	10LB2 1/2-316SS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



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

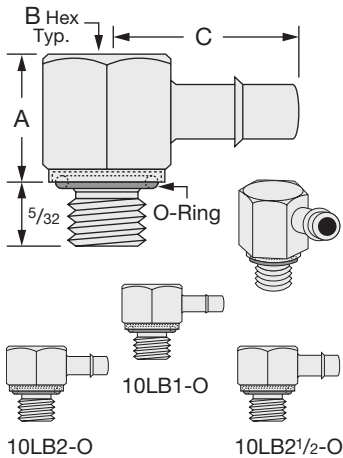
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	10LB1-O-1/4	10LB1-O-1/4-SS	10LB1-O-1/4-316SS	10LB1-O-1/4-NP	15/64	1/4	1 1/32
5/64 / 2mm	10LB2-O-1/4	10LB2-O-1/4-SS	10LB2-O-1/4-316SS	10LB2-O-1/4-NP	15/64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

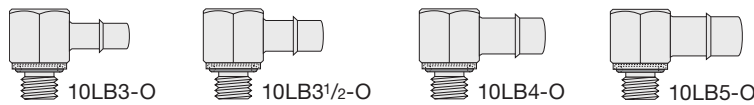
10-32 Thread to Tube Elbows with O-Ring Seal Installed

91



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

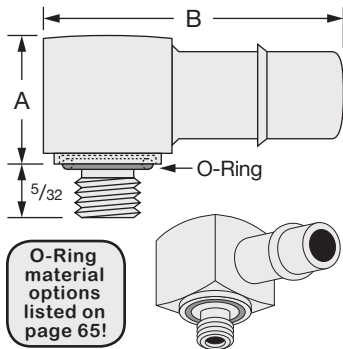
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	10LB1-O	10LB1-O-SS	10LB1-O-316SS	10LB1-O-NP	15/64	5/16	3/8
5/64 / 2mm	10LB2-O	10LB2-O-SS	10LB2-O-316SS	10LB2-O-NP	15/64	5/16	3/8
3/32	10LB2 1/2-O	10LB2 1/2-O-SS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



Smaller branch sizes
and Metric threads
available! Consult
factory for details!

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

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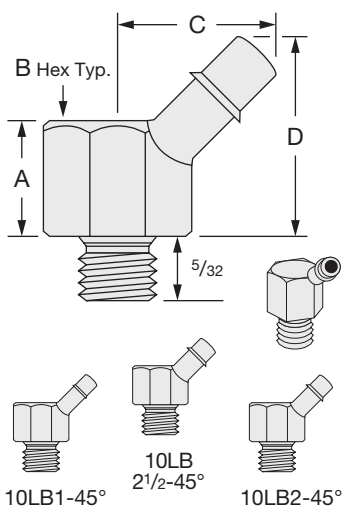
O-Ring
material
options
listed on
page 65!

Tube ID	Part Numbers				Dimensions (Reference)	
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.
7/32	10LB5 1/2-O	10LB5 1/2-O-SS	10LB5 1/2-O-316SS	10LB5 1/2-O-NP	3/8	13/16
6mm	10LB5 3/4-O	10LB5 3/4-O-SS	10LB5 3/4-O-316SS	10LB5 3/4-O-NP	3/8	7/8
1/4	10LB6-O	10LB6-O-SS	10LB6-O-316SS	10LB6-O-NP	3/8	7/8

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

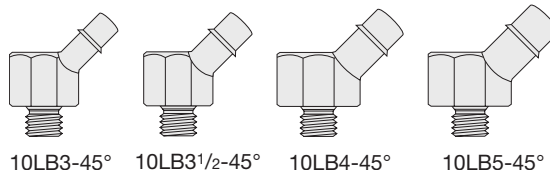
10-32 Thread to Tube 45° Elbows with Fibre Gasket Supplied

93

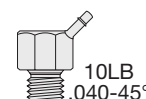


For systems that do not allow
the degree symbol (°) to be
used, it can be substituted with
'DEG' in the part number.

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!



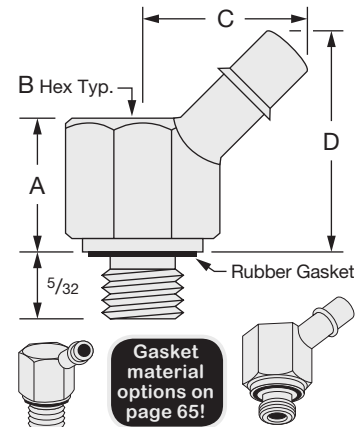
Consult
factory
for
details!



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

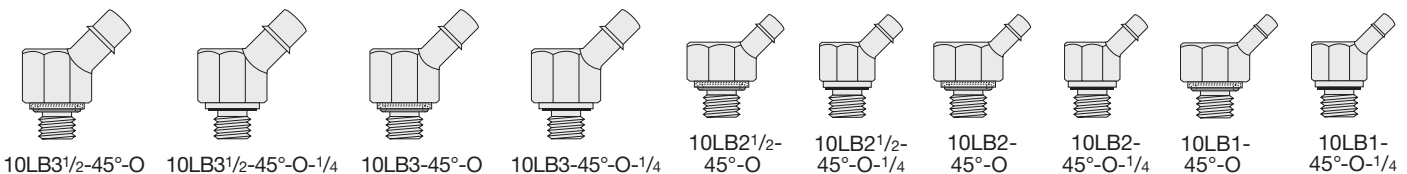
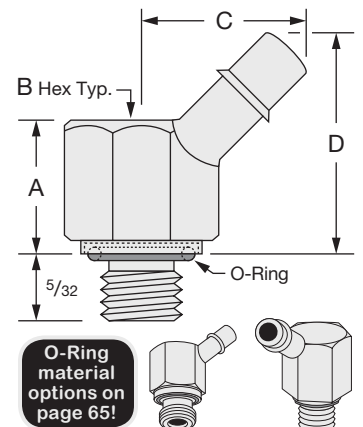
Tube ID	Part Numbers				Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/16	10LB1-45°-O-1/4	10LB1-45°-O-1/4-SS	10LB1-45°-O-1/4-316SS	10LB1-45°-O-1/4-NP	15/64	1/4	.270	.343
5/64 / 2mm	10LB2-45°-O-1/4	10LB2-45°-O-1/4-SS	10LB2-45°-O-1/4-316SS	10LB2-45°-O-1/4-NP	15/64	1/4	.269	.343
3/32	10LB21/2-45°-O-1/4	10LB21/2-45°-O-1/4-SS	10LB21/2-45°-O-1/4-316SS	10LB21/2-45°-O-1/4-NP	15/64	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	10LB31/2-45°-O-1/4	10LB31/2-45°-O-1/4-SS	10LB31/2-45°-O-1/4-316SS	10LB31/2-45°-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



95

10-32 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.	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	10LB21/2-45°-O	10LB21/2-45°-O-SS	10LB21/2-45°-O-316SS	10LB21/2-45°-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	10LB31/2-45°-O	10LB31/2-45°-O-SS	10LB31/2-45°-O-316SS	10LB31/2-45°-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



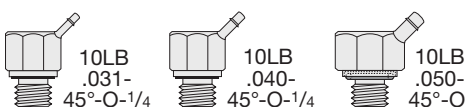
96

10-32 Thread to Tube 45° Elbows (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 Typ.	C Ref.
7/32	10LB51/2-45°-O	10LB51/2-45°-O-SS	10LB51/2-45°-O-316SS	10LB51/2-45°-O-NP	3/8	Consult Factory	Consult Factory
6mm	10LB53/4-45°-O	10LB53/4-45°-O-SS	10LB53/4-45°-O-316SS	10LB53/4-45°-O-NP	3/8	Consult Factory	Consult Factory
1/4	10LB6-45°-O	10LB6-45°-O-SS	10LB6-45°-O-316SS	10LB6-45°-O-NP	3/8	Consult Factory	Consult Factory

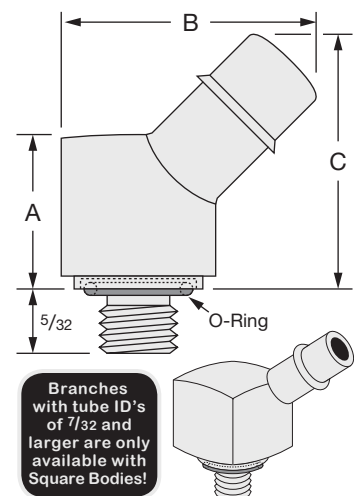
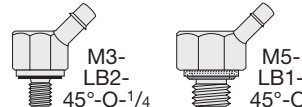
Note: for systems that do not allow the degree symbol (°) to be used, it can be substituted with 'DEG' in the part number.

Smaller branch sizes available!



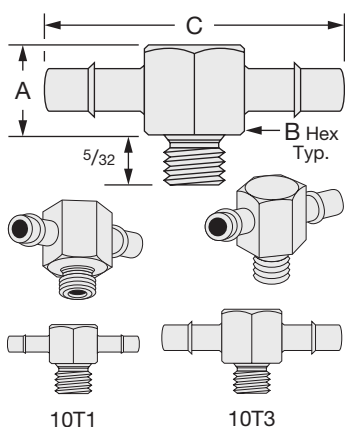
Lead times and minimum quantities apply! Consult factory for details!

Metric threads available!



10-32 Thread to Tube Tees with Fibre Gasket Supplied

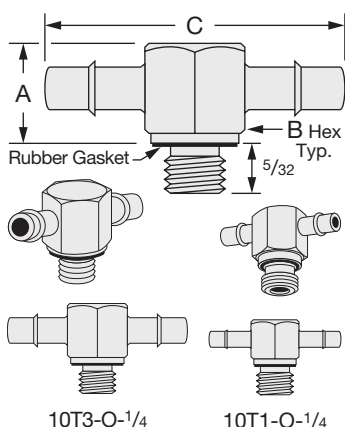
97



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	1 1/16
5/64 / 2mm	10T2	10T2-SS	10T2-316SS	10T2-NP	13/64	1/4	1 1/16
3/32	10T2	10T2 1/2-SS	10T2 1/2-316SS	10T2 1/2-NP	13/64	1/4	1 1/16
1/8	10T3	10T3-SS	10T3-316SS	10T3-NP	9/32	5/16	1 5/16
5/32 / 4mm	10T3 1/2	10T3 1/2-SS	10T3 1/2-316SS	10T3 1/2-NP	9/32	5/16	1 5/16
.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

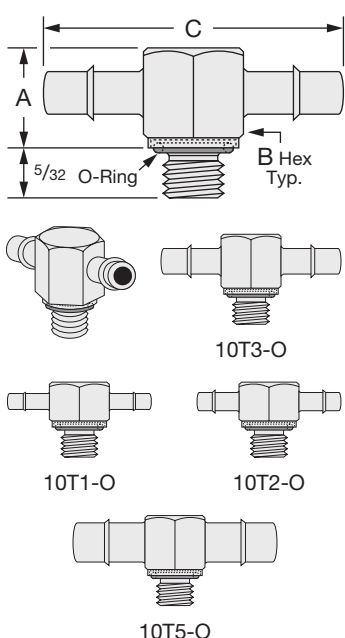
98



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	15/64	1/4	1 1/16
5/64 / 2mm	10T2-O-1/4	10T2-O-1/4-SS	10T2-O-1/4-316SS	10T2-O-1/4-NP	15/64	1/4	1 1/16
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	15/64	1/4	1 1/16
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	1 5/16
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	1 5/16
.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

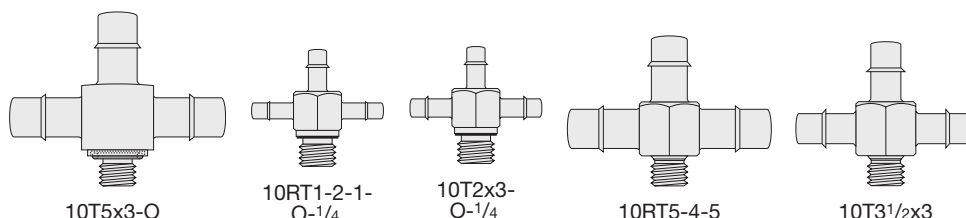
10-32 Thread to Tube Tees with O-Ring Seal Installed

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	1 5/16
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	1 5/16
.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

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



O-Ring material options are listed on page 65!

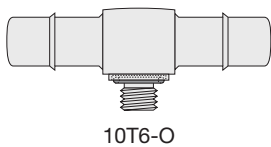
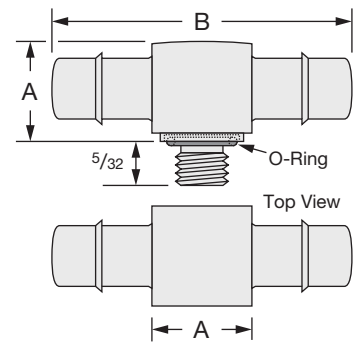
100

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

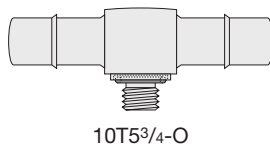
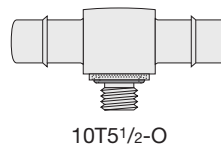
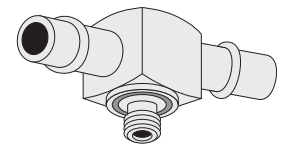
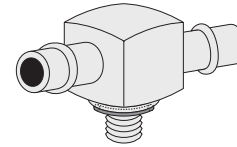
Tube ID	Part Numbers				Dimensions (Reference)	
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Ref.
7/32	10T5 ¹ / ₂ -O	10T5 ¹ / ₂ -O-SS	10T5 ¹ / ₂ -O-316SS	10T5 ¹ / ₂ -O-NP	3/8	1 1/4
6mm	10T5 ³ / ₄ -O	10T5 ³ / ₄ -O-SS	10T5 ³ / ₄ -O-316SS	10T5 ³ / ₄ -O-NP	3/8	1 3/8
1/4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

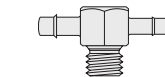
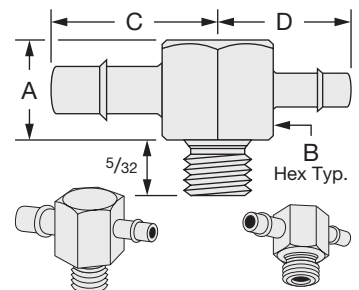

10T5³/₄-O

10T5¹/₂-O


101

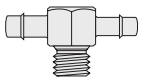
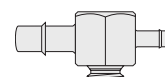
10-32 Thread to Tube Reducing Tees with Fibre Gasket Supplied

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

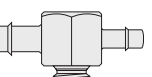
Smaller Branch Options		Dimensions (Reference)
Tube ID	Branch Number	D Ref.
1/16	1	11/32
5/64 / 2mm	2	11/32
3/32	2 1/2	11/32
1/8	3	15/32
5/32 / 4mm	3 1/2	15/32
.170	4	1/2



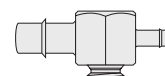
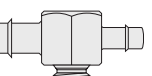
10RT2-1


10RT2¹/₂-2


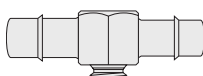
10RT3-1



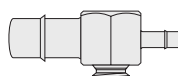
10RT3-2


10RT3¹/₂-1

10RT3¹/₂-2 1/2

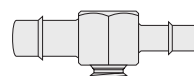
Part Numbers for 10-32 Thread to Tube Reducing Tees with Fibre Gasket Supplied:



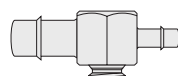
10RT5-4



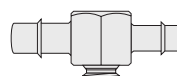
10RT5-1



10RT4-3



10RT4-2


10RT3¹/₂-3

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!

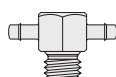


10LB.031

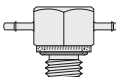


10LB.040-45°-O-1/4

10LB.045-O



10T.050



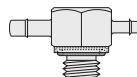
10T.031-O



10RT2-.040



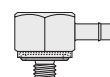
10T.045-O-1/4



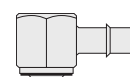
10RT1-.045-O

Consult factory for details!

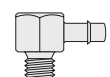
Metric Threads for Elbows & Tees available!



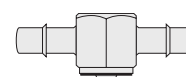
M3-LB1-O



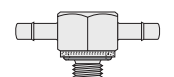
M5-LB3-O-1/4



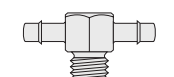
M4-LB2



M3-T3-O-1/4



M4-T1-O



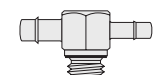
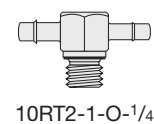
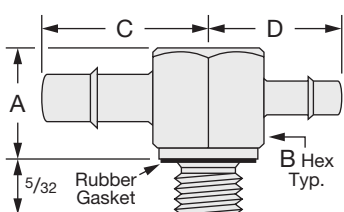
M5-T2

Lead times & minimum quantities apply!

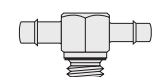
Consult factory for details!

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

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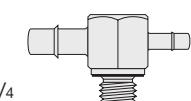
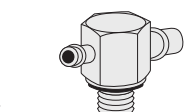


10RT2 1/2-1-O-1/4

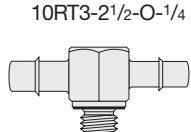


10RT2 1/2-2-O-1/4

Three
branch Tees
available!
Consult
factory for
details!



10RT3-2 1/2-O-1/4

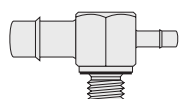
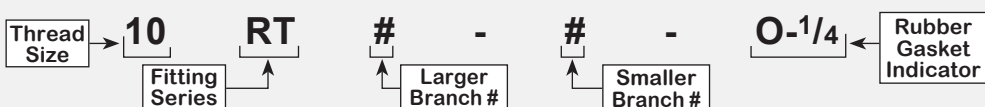


10RT3 1/2-3-O-1/4

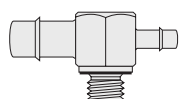
Larger Branch		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
5/64 / 2mm	2	15/64	1/4	11/32
3/32	2 1/2	15/64	1/4	11/32
1/8	3	5/16	5/16	15/32
5/32 / 4mm	3 1/2	5/16	5/16	15/32
.170	4	5/16	5/16	1/2
3/16	5	5/16	5/16	17/32

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

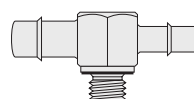
Part Numbers for 10-32 Thread to Tube Reducing Tees with Rubber Gasket Installed:



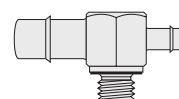
10RT4-1-O-1/4



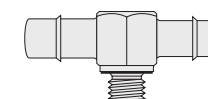
10RT4-2-O-1/4



10RT4-3-O-1/4



10RT5-2 1/2-O-1/4



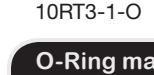
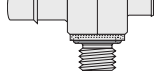
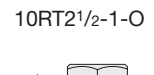
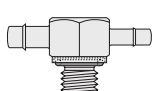
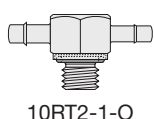
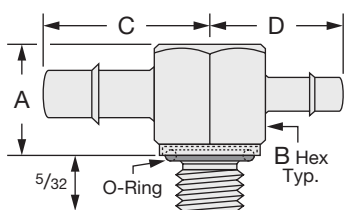
10RT5-4-O-1/4

Material options listed below!

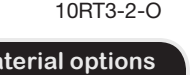
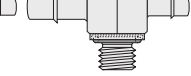
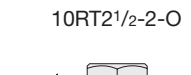
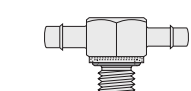
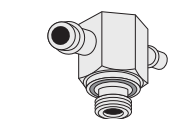
Metric Threads available! Consult factory for details!

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

103



10RT3-2-O

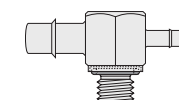
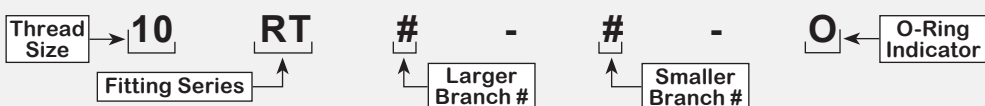


10RT4-2-O

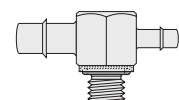
Larger Branch		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
5/64 / 2mm	2	15/64	5/16	3/8
3/32	2 1/2	15/64	5/16	3/8
1/8	3	5/16	5/16	15/32
5/32 / 4mm	3 1/2	5/16	5/16	15/32
.170	4	5/16	5/16	1/2
3/16	5	5/16	5/16	17/32

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

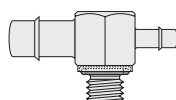
Part Numbers for 10-32 Thread to Tube Reducing Tees with O-Ring Installed:



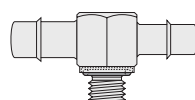
10RT3 1/2-1-O



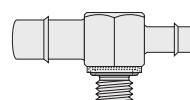
10RT3 1/2-2-O



10RT4-2-O



10RT4-3 1/2-O



10RT5-3-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

104

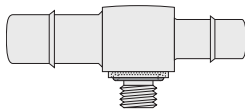
10-32 Thread to Tube Reducing Tees Square Body with O-Ring Seal Installed

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

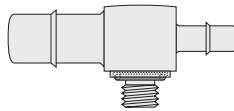
Smaller Branch		Dim. (Ref.)
Tube ID	Branch #	C Ref.
1/16	1	19/32
5/64 / 2mm	2	19/32
3/32	2 1/2	19/32

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

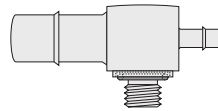
Smaller Branch		Dim. (Ref.)
Tube ID	Branch #	C Ref.
3/16	5	5/8
7/32	5 1/2	7/8
6mm	5 3/4	7/8



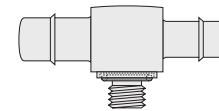
10RT6-5-O



10RT6-3-O

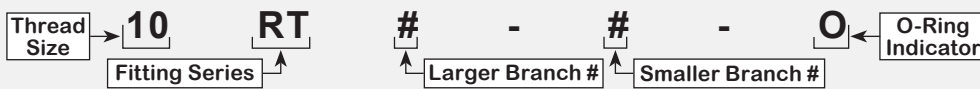


10RT5 3/4-2-O



10RT5 1/2-4-O

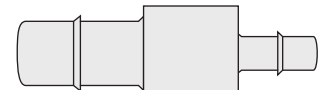
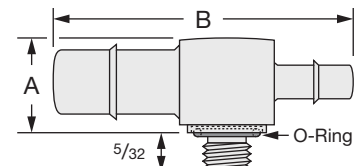
Part Numbers for 10-32 Thread to Tube Reducing Tees with O-Ring Installed:



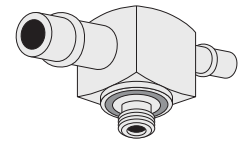
Unless otherwise specified, parts will be Brass.

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



Top View



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 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 White Viton
O-Rings

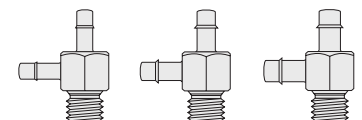
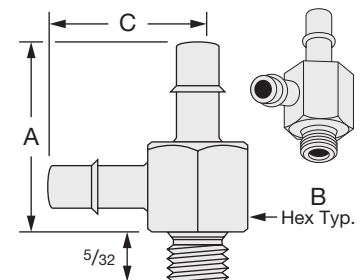
available upon request!
Consult factory for details!

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

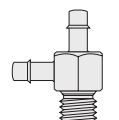
105

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

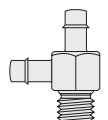
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	10LT1	10LT1-SS	10LT1-316SS	10LT1-NP	27/64	1/4	1 1/32
5/64 / 2mm	10LT2	10LT2-SS	10LT2-316SS	10LT2-NP	27/64	1/4	1 1/32
3/32	10LT2 1/2	10LT2 1/2-SS	10LT2 1/2-316SS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



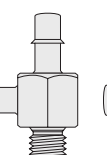
10LT1



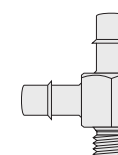
10LT2



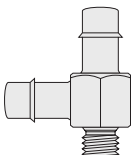
10LT2 1/2



10LT3

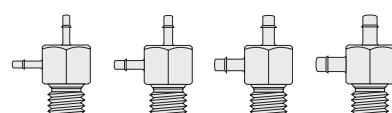


10LT3 1/2



10LT4

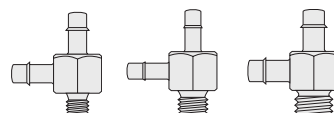
Smaller tube ID's available!



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

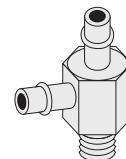
Consult factory for details!

Metric threads available!



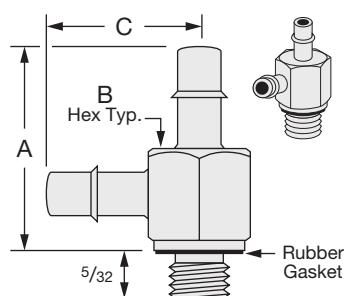
M3-LT2 M4-LT1 M5-LT2 1/2

Consult factory for details!


Note:
Images are for visual
representation only.

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

106

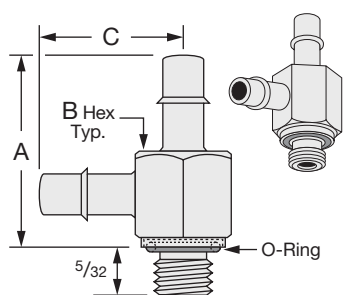


Gasket material options are listed on page 65!

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

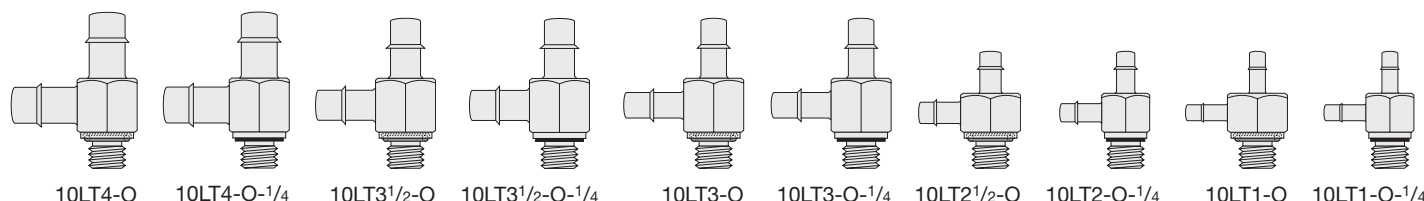
10-32 Thread to Tube L-Tees with O-Ring Seal Installed

107



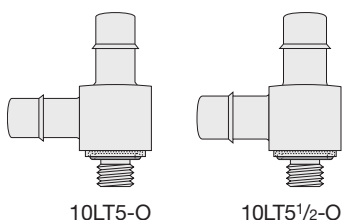
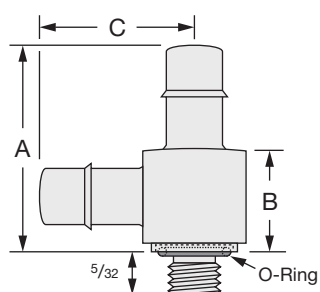
O-Ring material options are listed on page 65!

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



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

108

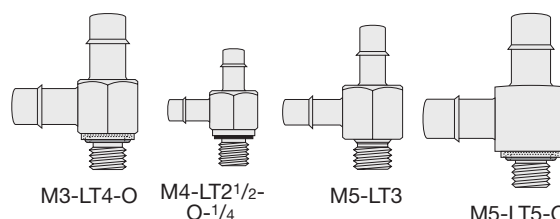


10-32 L-Tees with tube ID's of 3/16 & larger are only available with Square Bodies!

O-Ring options: see page 65!

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
3/16	10LT5-O	10LT5-O-SS	10LT5-O-316SS	10LT5-O-NP	21/32	5/16	17/32
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	1 1/16
1/4	10LT6-O	10LT6-O-SS	10LT6-O-316SS	10LT6-O-NP	7/8	3/8	1 1/16

Metric threads available! Consult factory for details!



109

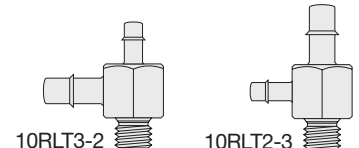
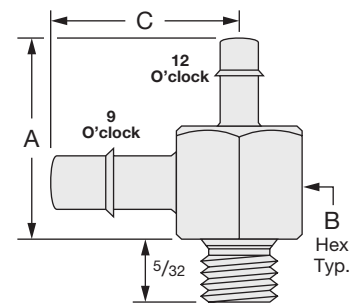
10-32 Thread to Tube Reducing L-Tees with Fibre Gasket Supplied

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 listed below!

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



110

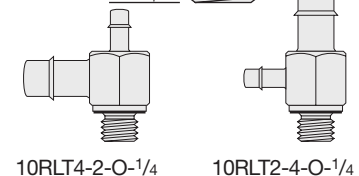
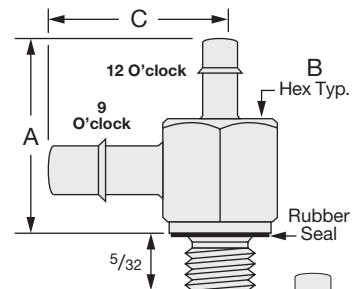
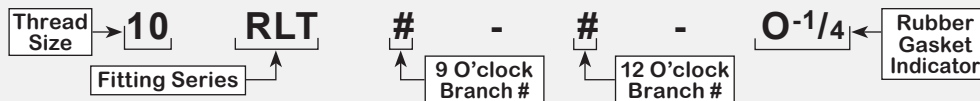
10-32 Thread to Tube Reducing L-Tees with Captive Rubber Gasket Installed

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 listed below!

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



111

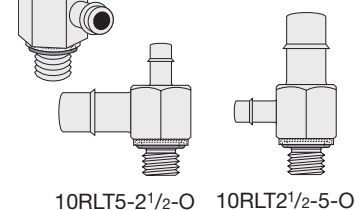
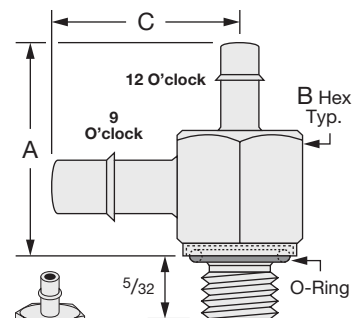
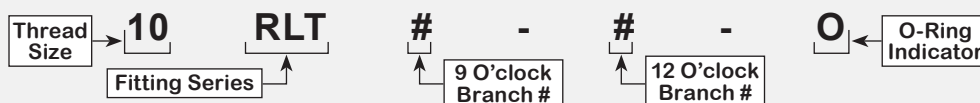
10-32 Thread to Tube Reducing L-Tees with O-Ring Seal Installed

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 listed on page 65!

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



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

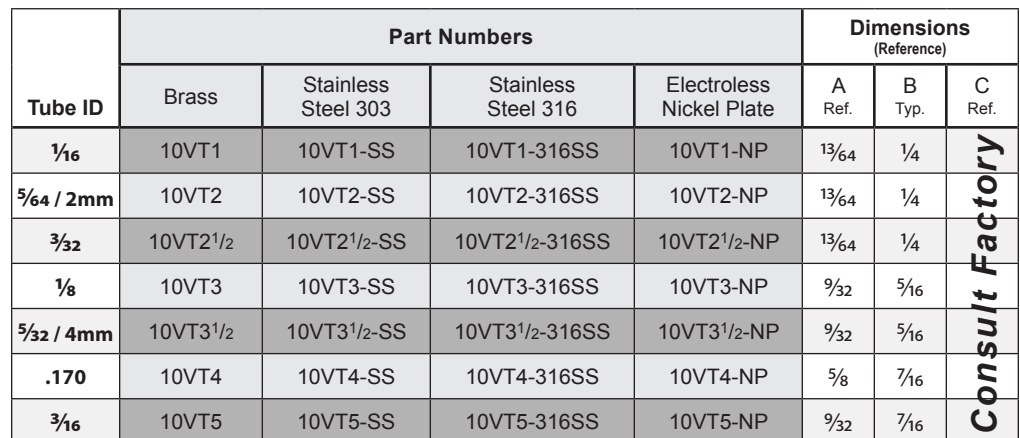
112



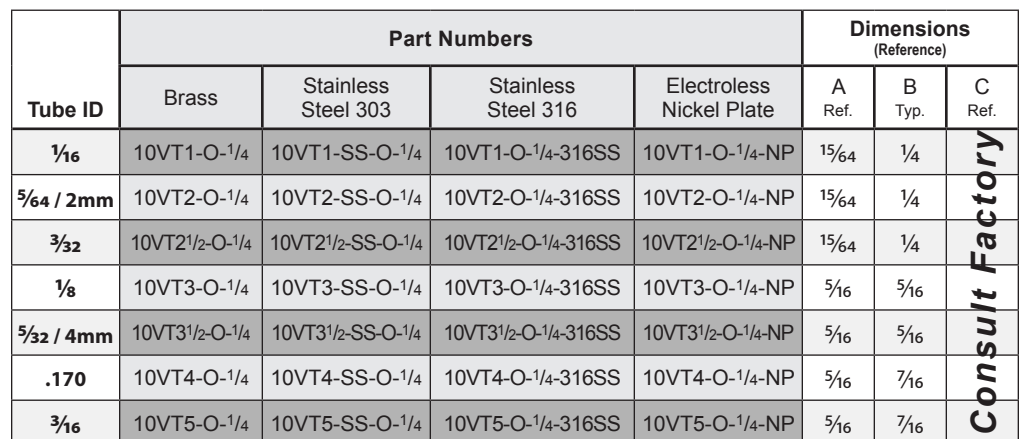
Smaller Branch		Dim. (Ref.)
Tube ID	Branch #	C Ref.
3/16	5	5/8
7/32	5 1/2	7/8
6mm	5 3/4	7/8

Thread Size → **10** → Fitting Series → **RLT** → 9 O'clock Branch # → 12 O'clock Branch # → O-Ring Indicator (0)

113



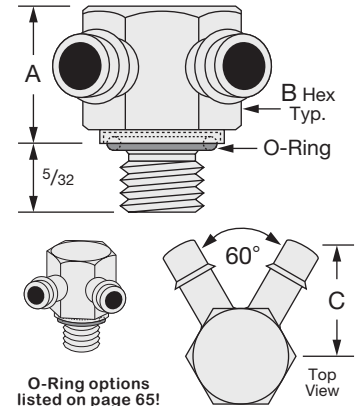
114



115

10-32 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.
1/16	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	



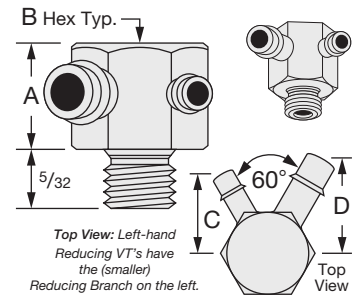
116

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

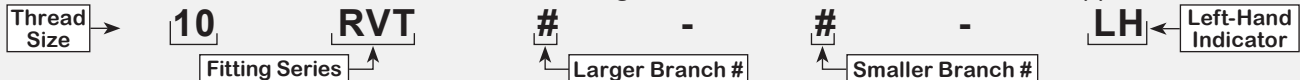
Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/16	1	Consult Factory			
5/64 / 2mm	2	Consult Factory			
3/32	2 1/2	Consult Factory			
1/8	3	Consult Factory			

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 listed on next page!



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



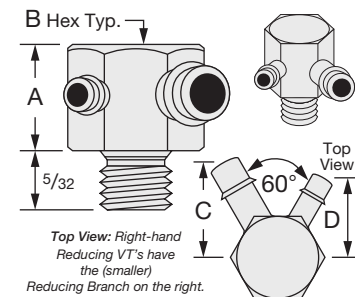
117

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

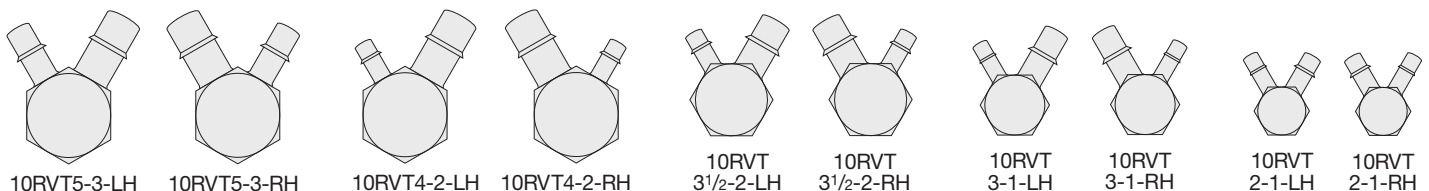
Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/16	1	Consult Factory			
5/64 / 2mm	2	Consult Factory			
3/32	2 1/2	Consult Factory			
1/8	3	Consult Factory			

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 listed on next page!

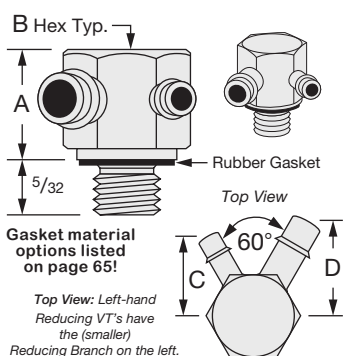


Part Numbers for 10-32 Reducing Right-Hand V-Tees with Fibre Gasket Supplied:



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

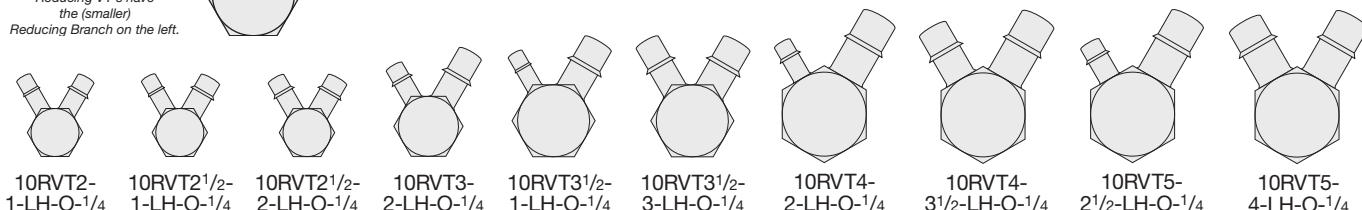
118



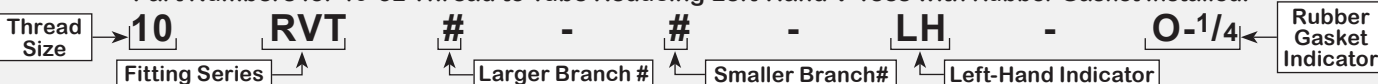
Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/16	1	Consult Factory			
5/64 / 2mm	2	Consult Factory			
3/32	2 1/2	Consult Factory			
1/8	3	Consult Factory			

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 listed below!

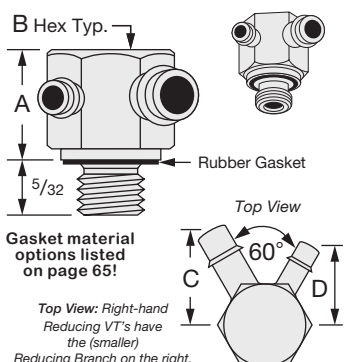


Part Numbers for 10-32 Thread to Tube Reducing Left-Hand V-Tees with Rubber Gasket Installed:



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

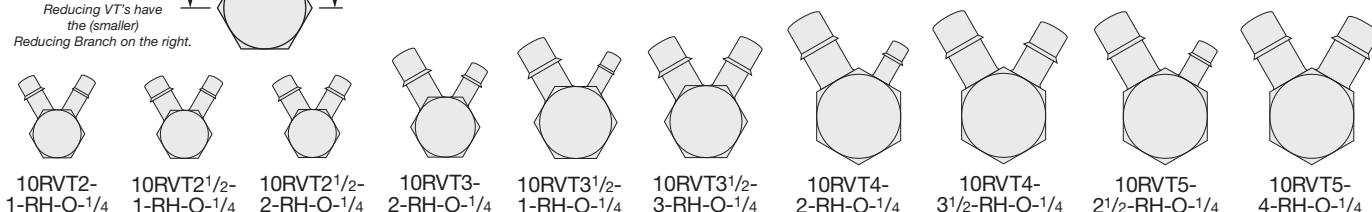
119



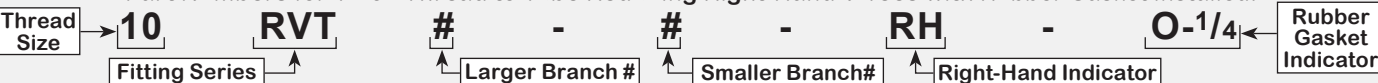
Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/16	1	Consult Factory			
5/64 / 2mm	2	Consult Factory			
3/32	2 1/2	Consult Factory			
1/8	3	Consult Factory			

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 listed below!



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



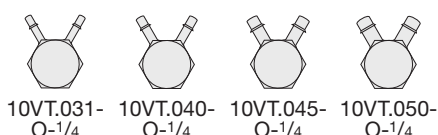
Unless otherwise specified, parts will be Brass. To order other materials, please add the following codes to the part number:

-SS = Stainless Steel 303

-316SS = Stainless Steel 316

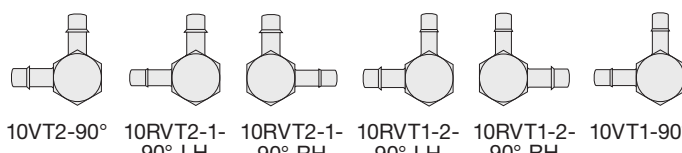
-NP = Electroless Nickel Plate

V-Tees with smaller tube ID's available!



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

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

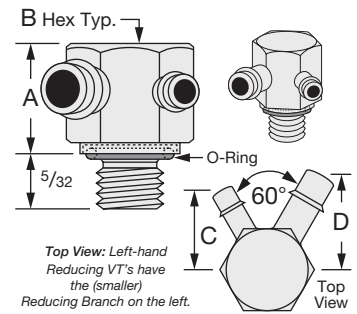


120 10-32 Thread to Tube Reducing Left-Hand V-Tees with O-Ring Seal Installed

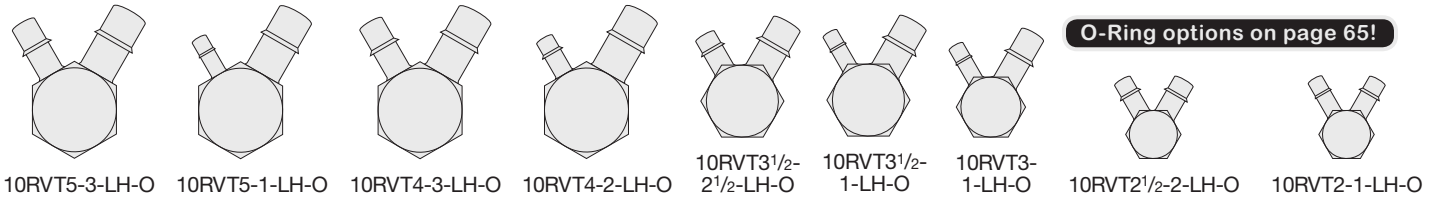
Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/16	1	Consult Factory			
5/64 / 2mm	2	Consult Factory			
3/32	2 1/2	Consult Factory			
1/8	3	Consult Factory			

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 listed below!



O-Ring options on page 65!



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

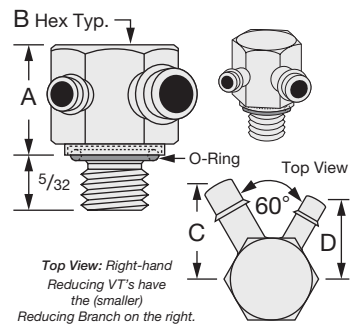


121 10-32 Thread to Tube Reducing Right-Hand V-Tees with O-Ring Seal Installed

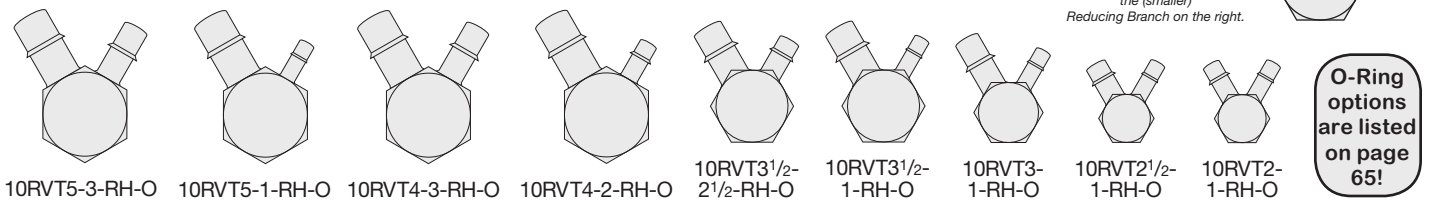
Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/16	1	Consult Factory			
5/64 / 2mm	2	Consult Factory			
3/32	2 1/2	Consult Factory			
1/8	3	Consult Factory			

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 listed below!



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:



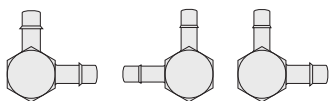
Unless otherwise specified, parts will be Brass. To order other materials, please add the following codes to the part number:

-SS = Stainless Steel 303

-316SS = Stainless Steel 316

-NP = Electroless Nickel Plate

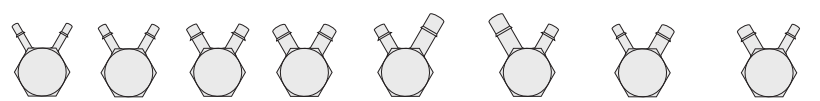
90° V-Tees also available!



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

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

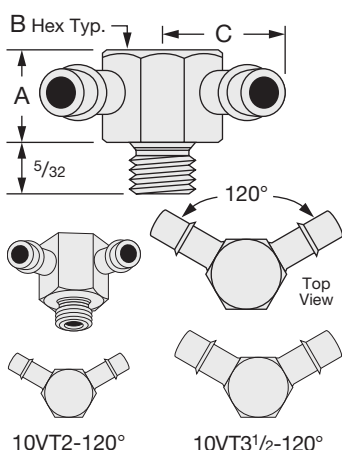
V-Tees & Reducing V-Tees also available with smaller tube ID's!



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

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

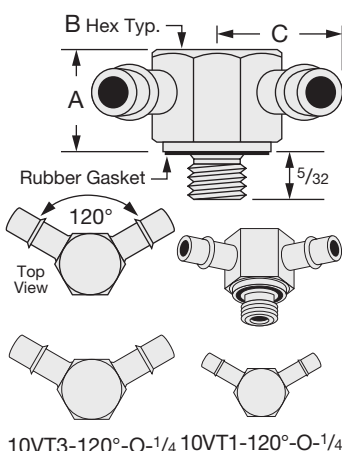
122



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	1 1/16
5/64 / 2mm	10VT2-120°	10VT2-120°-SS	10VT2-120°-316SS	10VT2-120°-NP	13/64	1/4	1 1/16
3/32	10VT2 1/2-120°	10VT2 1/2-120°-SS	10VT2 1/2-120°-316SS	10VT2 1/2-120°-NP	13/64	1/4	1 1/16
1/8	10VT3-120°	10VT3-120°-SS	10VT3-120°-316SS	10VT3-120°-NP	9/32	5/16	15/16
5/32 / 4mm	10VT3 1/2-120°	10VT3 1/2-120°-SS	10VT3 1/2-120°-316SS	10VT3 1/2-120°-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

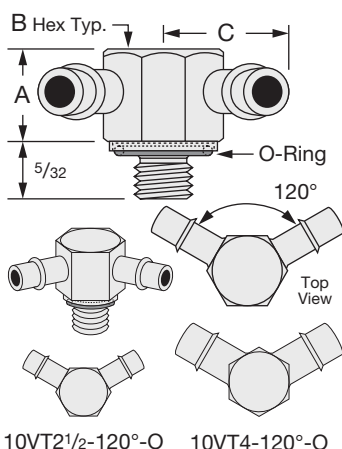
123



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	15/64	1/4	1 1/32
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	15/64	1/4	1 1/32
3/32	10VT2 1/2-120°-O-1/4	10VT2 1/2-120°-O-1/4-SS	10VT2 1/2-120°-O-1/4-316SS	10VT2 1/2-120°-O-1/4-NP	15/64	1/4	1 1/32
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	10VT3 1/2-120°-O-1/4	10VT3 1/2-120°-O-1/4-SS	10VT3 1/2-120°-O-1/4-316SS	10VT3 1/2-120°-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 Seal Installed

124

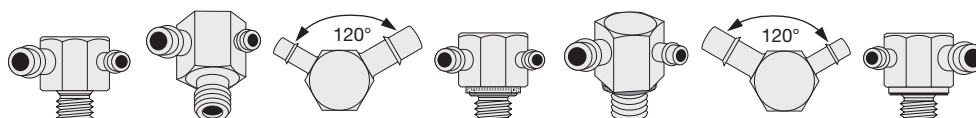


Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	10VT1-120°-O	10VT1-120°-O-SS	10VT1-120°-O-316SS	10VT1-120°-O-NP	15/64	5/16	3/8
5/64 / 2mm	10VT2-120°-O	10VT2-120°-O-SS	10VT2-120°-O-316SS	10VT2-120°-O-NP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

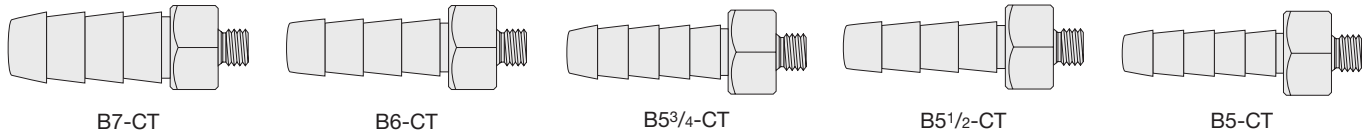
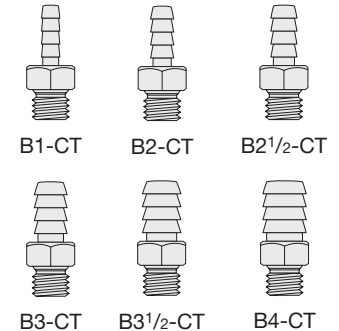
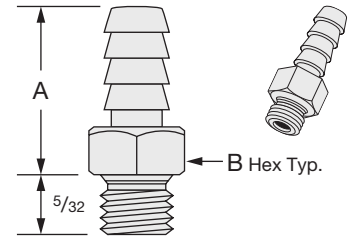
Smaller tube ID's available! Consult factory for details!

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

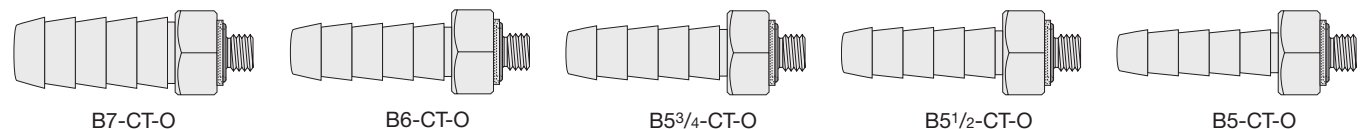
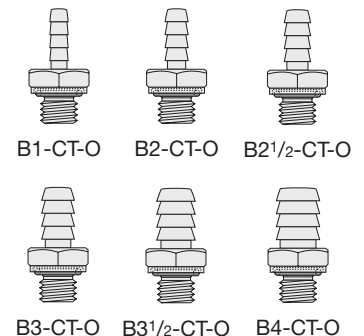
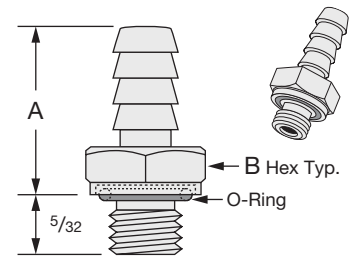


125 10-32 Thread to Tube Multiple Barb Fittings with Fibre or Buna-N Gasket Supplied

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	.440	1/4
5/64 / 2mm	B2-CT	B2-CT-SS	B2-CT-316SS	B2-CT-AL	B2-CT-NP	.440	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	.440	1/4
1/8	B3-CT	B3-CT-SS	B3-CT-316SS	B3-CT-AL	B3-CT-NP	.440	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	.440	1/4
.170	B4-CT	B4-CT-SS	B4-CT-316SS	B4-CT-AL	B4-CT-NP	.440	7/16
3/16	B5-CT	B5-CT-SS	B5-CT-316SS	B5-CT-AL	B5-CT-NP	1 1/4	7/16
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 1/4	7/16
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 1/4	7/16
1/4	B6-CT	B6-CT-SS	B6-CT-316SS	B6-CT-AL	B6-CT-NP	1 1/4	7/16
5/16 / 8mm	B7-CT	B7-CT-SS	B7-CT-316SS	B7-CT-AL	B7-CT-NP	1 1/4	7/16


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	.440	5/16
5/64 / 2mm	B2-CT-O	B2-CT-O-SS	B2-CT-O-316SS	B2-CT-O-AL	B2-CT-O-NP	.440	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	.440	5/16
1/8	B3-CT-O	B3-CT-O-SS	B3-CT-O-316SS	B3-CT-O-AL	B3-CT-O-NP	.440	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	.440	5/16
.170	B4-CT-O	B4-CT-O-SS	B4-CT-O-316SS	B4-CT-O-AL	B4-CT-O-NP	.440	5/16
3/16	B5-CT-O	B5-CT-O-SS	B5-CT-O-316SS	B5-CT-O-AL	B5-CT-O-NP	1 1/4	7/16
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 1/4	7/16
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 1/4	7/16
1/4	B6-CT-O	B6-CT-O-SS	B6-CT-O-316SS	B6-CT-O-AL	B6-CT-O-NP	1 1/4	7/16
5/16 / 8mm	B7-CT-O	B7-CT-O-SS	B7-CT-O-316SS	B7-CT-O-AL	B7-CT-O-NP	1 1/4	7/16



Multiple Barb Fittings available with thread sizes & tube ID's up to 2 inches!
Lead times & minimum quantities apply! Consult factory for details!

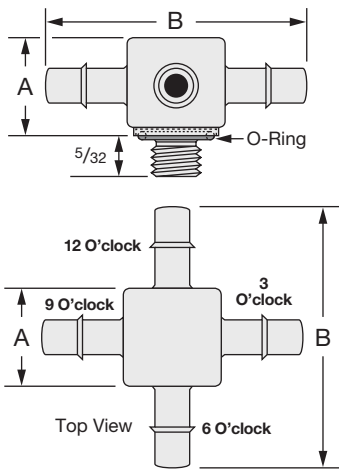
Peek® fittings available
upon request!

O-Ring options
on page 65!

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

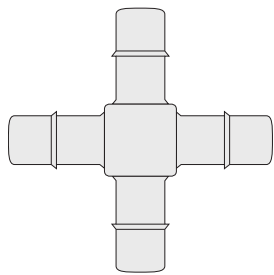
127

B

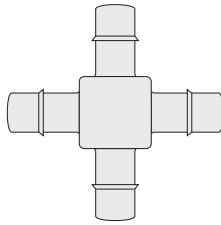


O-Ring options on page 65!

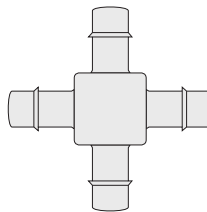
Tube ID	Part Numbers				Dimensions (Reference)	
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Ref.
1/16	10X1-O	10X1-O-SS	10X1-O-316SS	10X1-O-NP	3/8	13/16
5/64 / 2mm	10X2-O	10X2-O-SS	10X2-O-316SS	10X2-O-NP	3/8	13/16
3/32	10X2 1/2-O	10X2 1/2-O-SS	10X2 1/2-O-316SS	10X2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



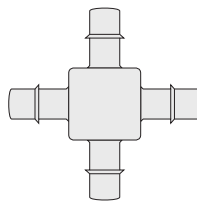
10X6-O



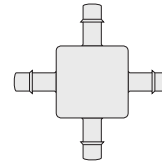
10X5-O



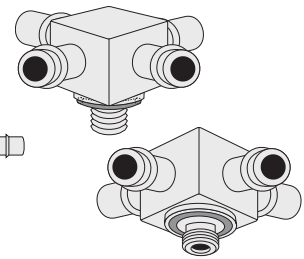
10X4-O



10X3 1/2-O

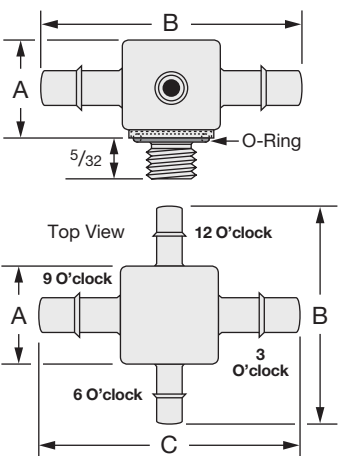


10X2-O



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

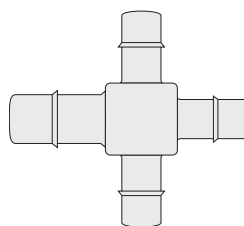
128



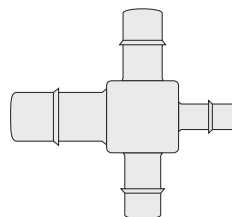
O-Ring options on page 65!

Material options are listed on the next page!

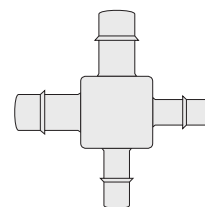
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Ref.	C Ref.
1/16	1	3/8	Consult Factory	
5/64 / 2mm	2	3/8	Consult Factory	
3/32	2 1/2	3/8	Consult Factory	
1/8	3	3/8	Consult Factory	
5/32 / 4mm	3 1/2	3/8	Consult Factory	



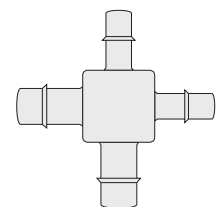
10RX6-5-5-5-O



10RX6-5-3-4-O



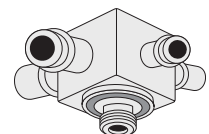
10RX4-4-3-3-O



10RX4-3-3-4-O

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

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

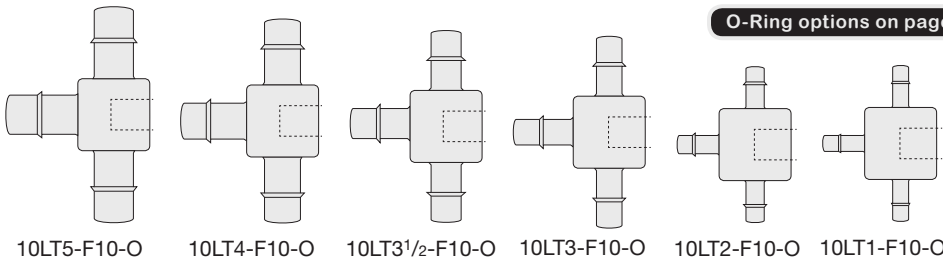
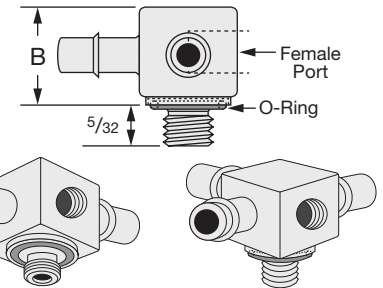
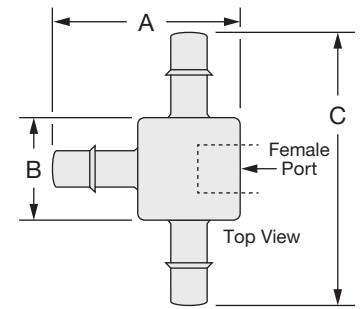


129

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

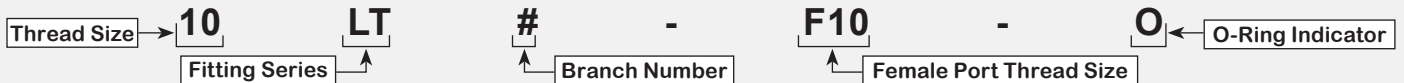
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Ref.	C Ref.
1/16	1	19/32	3/8	13/16
5/64 / 2mm	2	19/32	3/8	13/16
3/32	2 1/2	19/32	3/8	13/16
1/8	3	1 1/16	3/8	1.00
5/32 / 4mm	3 1/2	1 1/16	3/8	1.00

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!

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

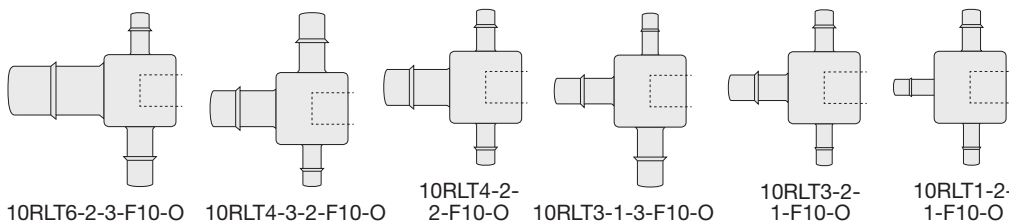
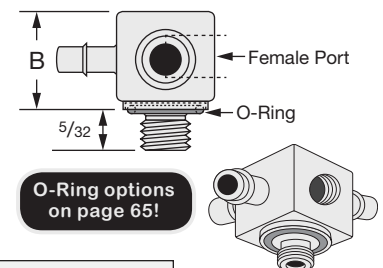
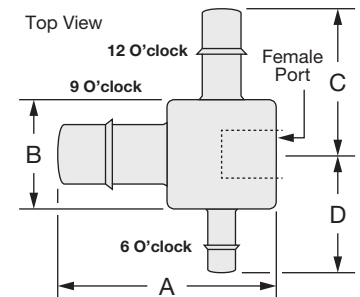


130

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

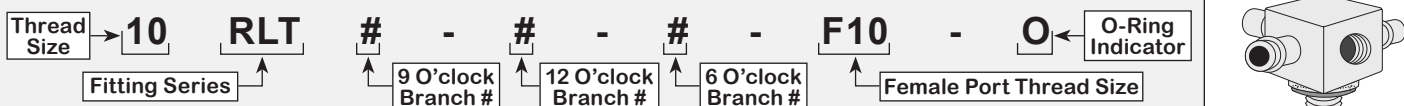
Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Ref.	C Ref.	D Ref.
1/16	1	19/32	3/8	13/32	13/32
5/64 / 2mm	2	19/32	3/8	13/32	13/32
3/32	2 1/2	19/32	3/8	13/32	13/32
1/8	3	1 1/16	3/8	1/2	1/2
5/32 / 4mm	3 1/2	1 1/16	3/8	1/2	1/2

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	1 1/16	1 1/16
1/4	6	7/8	3/8	1 1/16	1 1/16



O-Ring options on page 65!

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



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

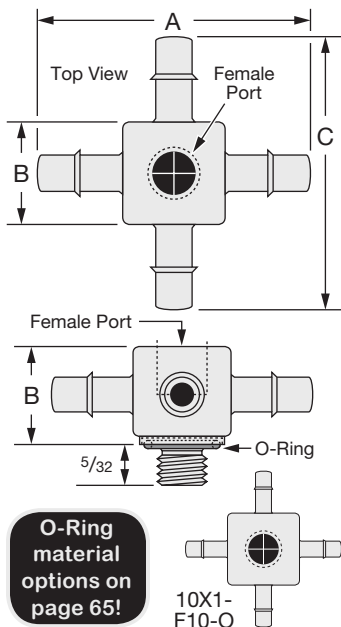
-SS = Stainless Steel 303

-316SS = Stainless Steel 316

-NP = Electroless Nickel Plate

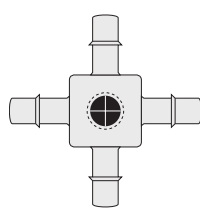
10-32 Thread to Tube Crosses with Female Port & O-Ring Seal Installed

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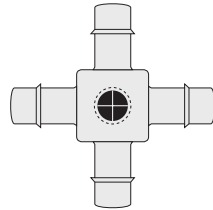


Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Ref.	C Ref.
1/16	1	13/16	3/8	13/16
5/64 / 2mm	2	13/16	3/8	13/16
3/32	2 1/2	13/16	3/8	13/16
1/8	3	1.00	3/8	1.00
5/32 / 4mm	3 1/2	1.00	3/8	1.00

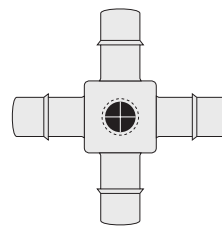
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Ref.	C Ref.
.170	4	1 1/16	3/8	1 1/16
3/16	5	1 1/8	3/8	1 1/8
7/32	5 1/2	1 1/8	3/8	1 1/8
6mm	5 3/4	1 3/8	3/8	1 3/8
1/4	6	1 3/8	3/8	1 3/8



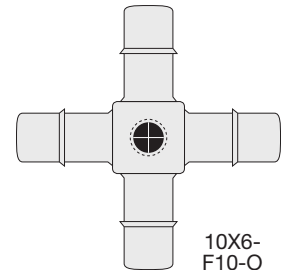
10X3-F10-O



10X4-F10-O



10X5-F10-O



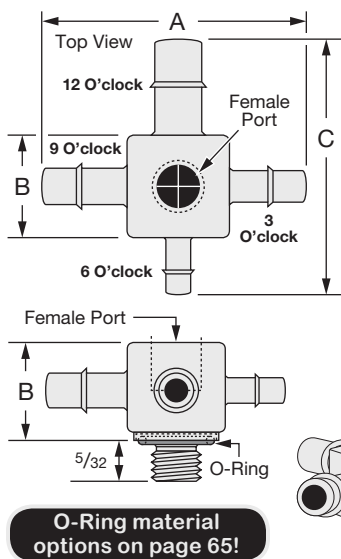
10X6-F10-O

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



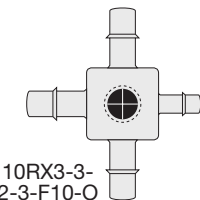
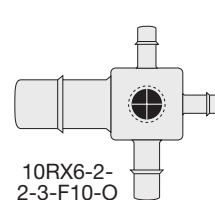
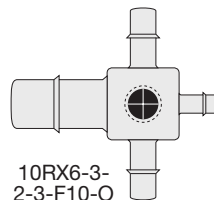
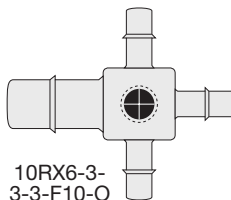
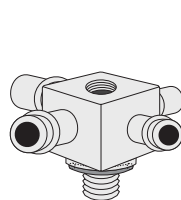
10-32 Thread to Tube Reducing Crosses with Female Port & O-Ring Seal Installed

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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	



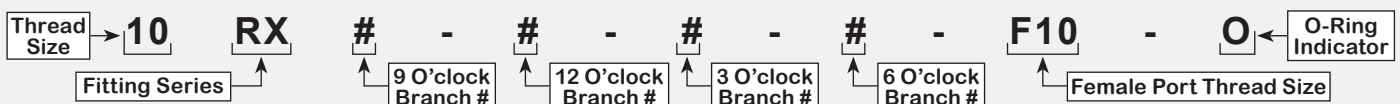
10RX6-3-3-F10-O

10RX6-3-2-F10-O

10RX6-2-2-F10-O

10RX6-2-3-F10-O

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



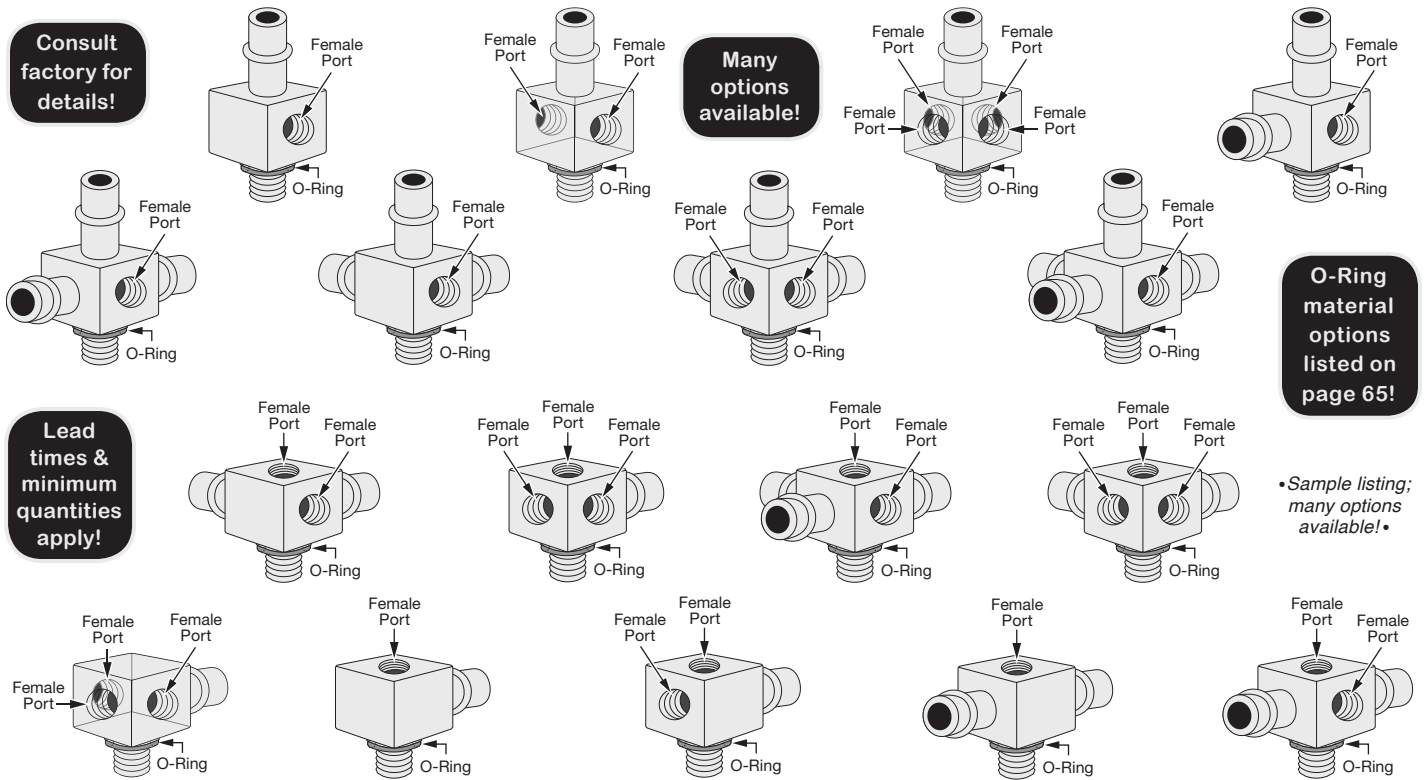
Unless otherwise specified, parts will be Brass. To order other materials, please add the following codes to the part number:

-SS = Stainless Steel 303

-316SS = Stainless Steel 316

-NP = Electroless Nickel Plate

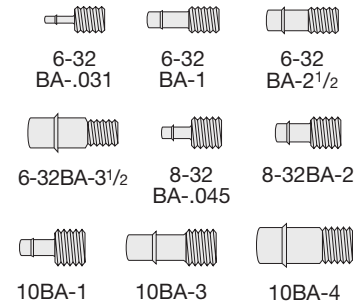
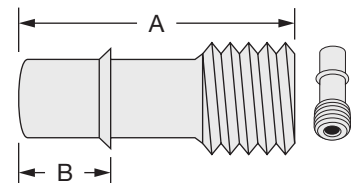
Custom 10-32 Thread to Tube Fittings with Female Ports & O-Ring Seal Installed



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6-32, 8-32, 10-32 Hexless™ Male Threaded 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: Images are for visual representation only. Dimensions may vary at the time of manufacturing. Consult factory for details!

Part Numbers for Hexless™ Male Threaded Barbs:

Thread Size → ## BA - # ← Branch Number
 Indicate Thread Size: 6-32, 8-32, or "10" for 10-32
 Fitting Series

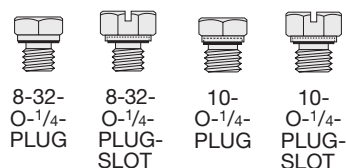
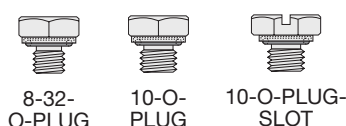
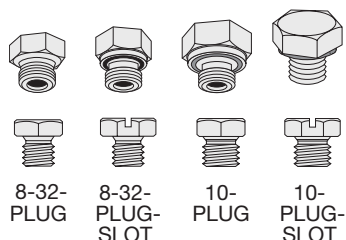
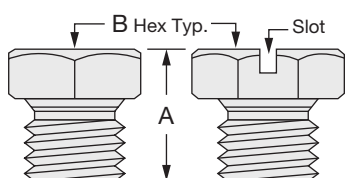
Thread Size Options:
6-32 • 8-32 • 10-32

Longer branches 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 -NP = Electroless Nickel Plate

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

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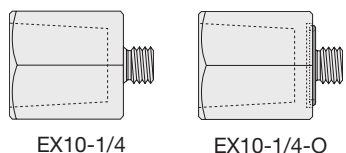
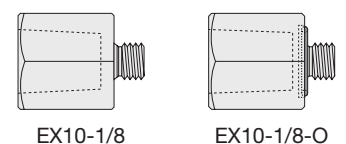
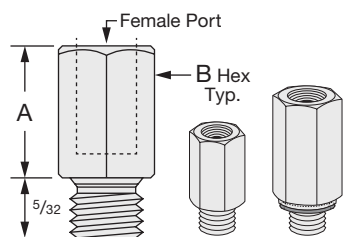
Type of Seal	Thread	Part Numbers				Dimensions (Reference)	
		Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.
Fibre Gasket	8-32	8-32-PLUG	8-32-PLUG-SS	8-32-PLUG-316SS	8-32-PLUG-NP	1/4	1/4
O-Ring	8-32	8-32-O-PLUG	8-32-O-PLUG-SS	8-32-O-PLUG-316SS	8-32-O-PLUG-NP	.293	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	.293	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	.293	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	.293	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

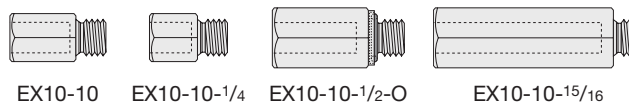
135



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

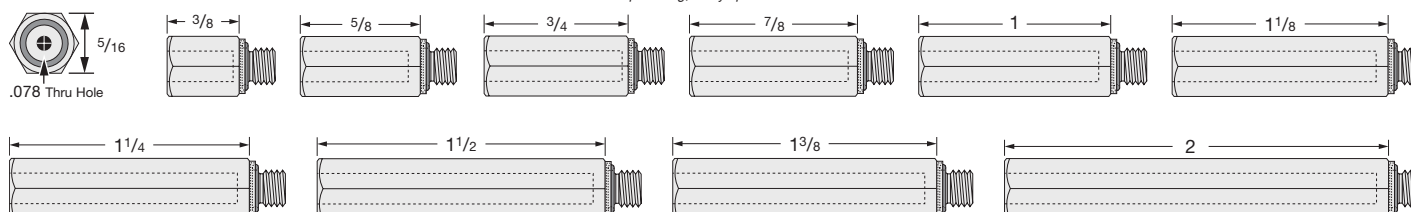
Male Thread	Type of Seal	Female Thread	Part Numbers					Dimensions (Reference)	
			Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.
10-32	Fibre Gasket	10-32	EX10-10	EX10-10-SS	EX10-10-316SS	EX10-10-AL	EX10-10-NP	1 1/32	1/4
10-32	Fibre Gasket	10-32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



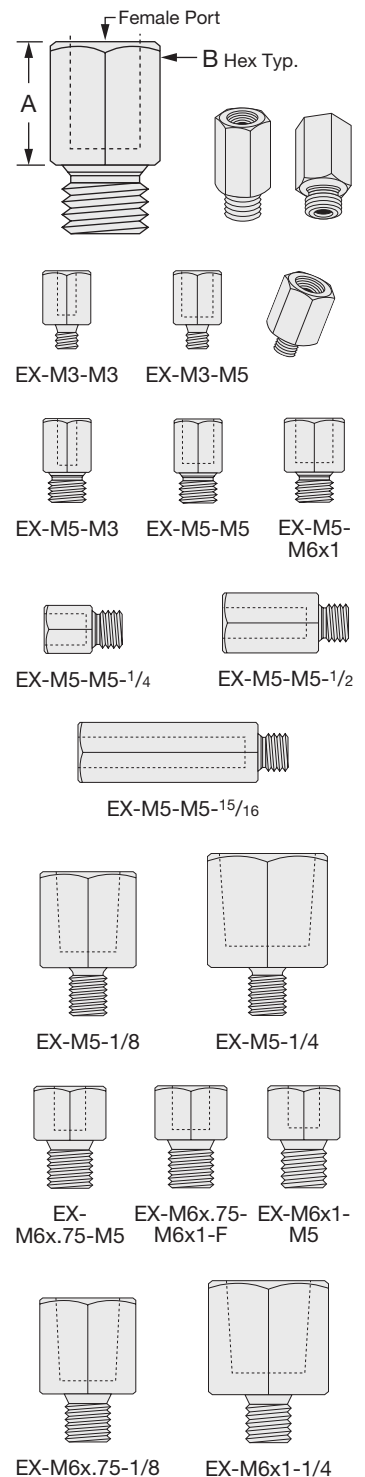
Male to Female Thread Extensions available with other body lengths! Lead times apply! Consult factory for details!

• Sample listing; many options available! •

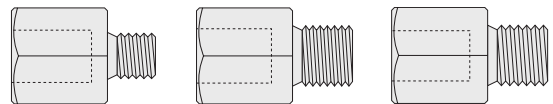


Metric Male Thread to Female Extensions with Fibre Gasket Supplied

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!

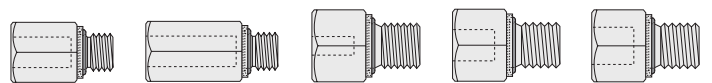


EX-M6x1xM8x1

EX-M8x.75xM8.75

EX-M8x1xM8x1.25

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



EX-M5-
M5-O

EX-M5-
M5-1/2-O

EX-M6x.75-
M3-O

EX-M6x1-
M5-O

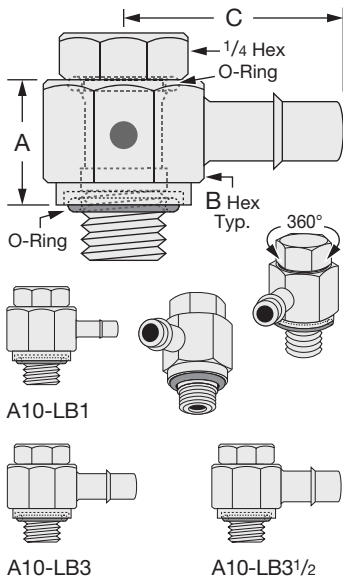
EX-M6x1-
M6x1-O

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

10-32 Thread to Tube Adjustable Elbows

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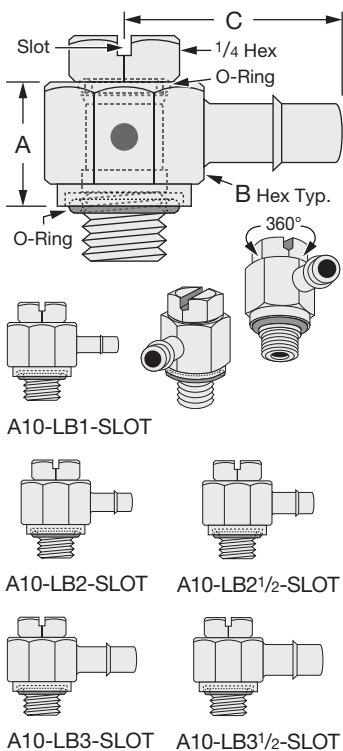
C



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	A10-LB1	A10-LB1-SS	A10-LB1-316SS	A10-LB1-AL	A10-LB1-NP	9/32	5/16	25/64
5/64 / 2mm	A10-LB2	A10-LB2-SS	A10-LB2-316SS	A10-LB2-AL	A10-LB2-NP	9/32	5/16	25/64
3/32	A10-LB2 1/2	A10-LB2 1/2-SS	A10-LB2 1/2-316SS	A10-LB2 1/2-AL	A10-LB2 1/2-NP	9/32	5/16	25/64
1/8	A10-LB3	A10-LB3-SS	A10-LB3-316SS	A10-LB3-AL	A10-LB3-NP	9/32	5/16	33/64
5/32 / 4mm	A10-LB3 1/2	A10-LB3 1/2-SS	A10-LB3 1/2-316SS	A10-LB3 1/2-AL	A10-LB3 1/2-NP	9/32	5/16	33/64
.170	A10-LB4	A10-LB4-SS	A10-LB4-316SS	A10-LB4-AL	A10-LB4-NP	.360	3/8	17/32
3/16	A10-LB5	A10-LB5-SS	A10-LB5-316SS	A10-LB5-AL	A10-LB5-NP	.360	3/8	9/16
7/32	A10-LB5 1/2	A10-LB5 1/2-SS	A10-LB5 1/2-316SS	A10-LB5 1/2-AL	A10-LB5 1/2-NP	.360	3/8	9/16
6mm	A10-LB5 3/4	A10-LB5 3/4-SS	A10-LB5 3/4-316SS	A10-LB5 3/4-AL	A10-LB5 3/4-NP	.360	7/16	23/32
1/4	A10-LB6	A10-LB6-SS	A10-LB6-316SS	A10-LB6-AL	A10-LB6-NP	.360	7/16	23/32

10-32 Thread to Tube Adjustable Elbows with Slotted Bolts

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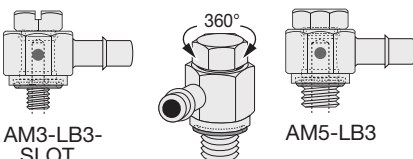
Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	A10-LB1-SLOT	A10-LB1-SLOT-SS	A10-LB1-SLOT-316SS	A10-LB1-SLOT-AL	A10-LB1-SLOT-NP	9/32	5/16	25/64
5/64 / 2mm	A10-LB2-SLOT	A10-LB2-SLOT-SS	A10-LB2-SLOT-316SS	A10-LB2-SLOT-AL	A10-LB2-SLOT-NP	9/32	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-AL	A10-LB2 1/2-SLOT-NP	9/32	5/16	25/64
1/8	A10-LB3-SLOT	A10-LB3-SLOT-SS	A10-LB3-SLOT-316SS	A10-LB3-SLOT-AL	A10-LB3-SLOT-NP	9/32	5/16	33/64
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-AL	A10-LB3 1/2-SLOT-NP	9/32	5/16	33/64
.170	A10-LB4-SLOT	A10-LB4-SLOT-SS	A10-LB4-SLOT-316SS	A10-LB4-SLOT-AL	A10-LB4-SLOT-NP	.360	3/8	17/32
3/16	A10-LB5-SLOT	A10-LB5-SLOT-SS	A10-LB5-SLOT-316SS	A10-LB5-SLOT-AL	A10-LB5-SLOT-NP	.360	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-AL	A10-LB5 1/2-SLOT-NP	.360	3/8	9/16
6mm	A10-LB5 3/4-SLOT	A10-LB5 3/4-SLOT-SS	A10-LB5 3/4-SLOT-316SS	A10-LB5 3/4-SLOT-AL	A10-LB5 3/4-SLOT-NP	.360	7/16	23/32
1/4	A10-LB6-SLOT	A10-LB6-SLOT-SS	A10-LB6-SLOT-316SS	A10-LB6-SLOT-AL	A10-LB6-SLOT-NP	.360	7/16	23/32

O-Rings materials listed on page 65!

Custom threads listed on page 83!

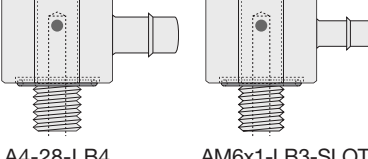
Anodized Aluminum available! See page 488!

M3 & M5 Adjustable Elbows available!



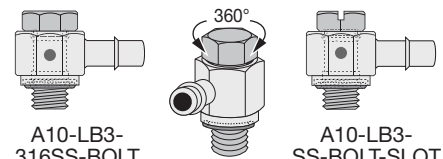
See pages 474 - 475!

Custom threads listed on page 83!



Consult factory for details!

Stainless Steel Bolts available!



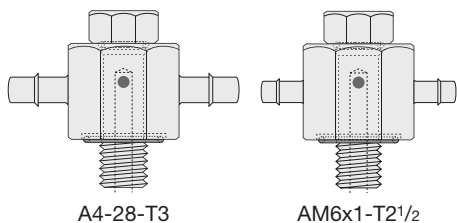
See page 522 for details!

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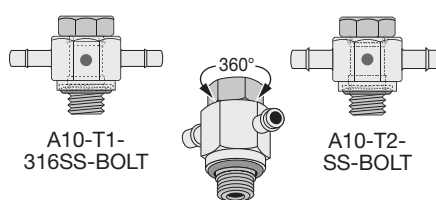
10-32 Thread to Tube Adjustable Tees

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	9/32	5/16	25/32
5/64 / 2mm	A10-T2	A10-T2-SS	A10-T2-316SS	A10-T2-NP	9/32	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	9/32	5/16	25/32
1/8	A10-T3	A10-T3-SS	A10-T3-316SS	A10-T3-NP	9/32	5/16	1 1/32
5/32 / 4mm	A10-T3 1/2	A10-T3 1/2-SS	A10-T3 1/2-316SS	A10-T3 1/2-NP	9/32	5/16	1 1/32
.170	A10-T4	A10-T4-SS	A10-T4-316SS	A10-T4-NP	.360	3/8	1 1/16
3/16	A10-T5	A10-T5-SS	A10-T5-316SS	A10-T5-NP	.360	3/8	1 1/8
7/32	A10-T5 1/2	A10-T5 1/2-SS	A10-T5 1/2-316SS	A10-T5 1/2-NP	.360	3/8	1 1/8
6mm	A10-T5 3/4	A10-T5 3/4-SS	A10-T5 3/4-316SS	A10-T5 3/4-NP	.360	7/16	1 7/16
1/4	A10-T6	A10-T6-SS	A10-T6-316SS	A10-T6-NP	.360	7/16	1 7/16

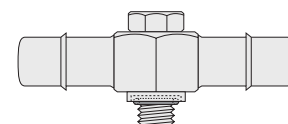
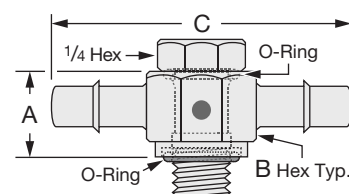
Custom male threads listed on page 83!



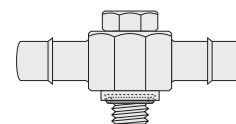
Stainless Steel Bolts available!



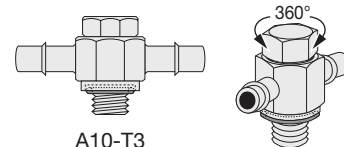
See page 522 for details!



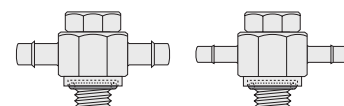
A10-T6



A10-T5



A10-T3



A10-T2 1/2

A10-T1

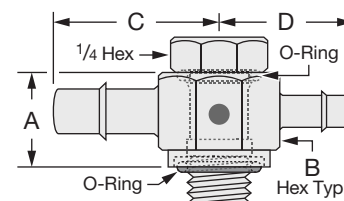
O-Ring materials on page 65!

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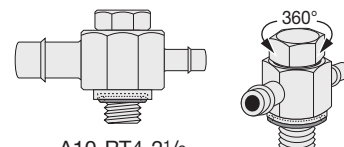
10-32 Thread to Tube Adjustable Reducing Tees

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/16	1	9/32	5/16	25/64	25/64
5/64 / 2mm	2	9/32	5/16	25/64	25/64
3/32	2 1/2	9/32	5/16	25/64	25/64
1/8	3	9/32	5/16	33/64	33/64
5/32 / 4mm	3 1/2	9/32	5/16	33/64	33/64

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
.170	4	.360	3/8	17/32	17/32
3/16	5	.360	3/8	9/16	9/16
7/32	5 1/2	.360	3/8	9/16	9/16
6mm	5 3/4	.360	7/16	23/32	23/32
1/4	6	.360	7/16	23/32	23/32

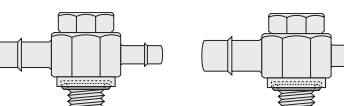
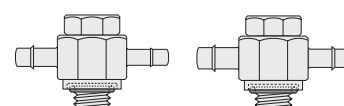


A10-RT4-2 1/2



A10-RT2-1

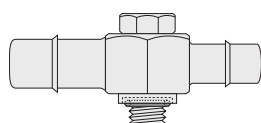
A10-RT2 1/2-2



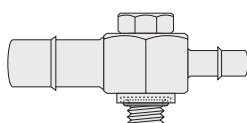
A10-RT3-2

A10-RT3 1/2-2 1/2

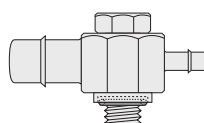
Part Numbers for 10-32 Thread to Tube Reducing Adjustable Tees:



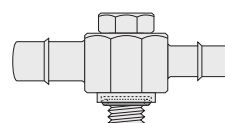
A10-RT6-5



A10-RT5 3/4-3



A10-RT5 1/2-2

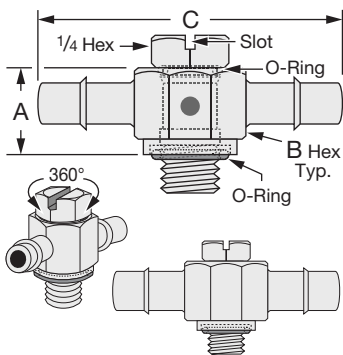


A10-RT5 3/16

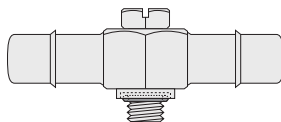
Unless otherwise specified, parts will be Brass. To order other materials, please add the following codes to the part number:
-SS = Stainless Steel 303 **-316SS** = Stainless Steel 316 **-NP** = Electroless Nickel Plate

10-32 Thread to Tube Adjustable Tees with Slotted Bolts

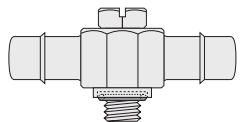
141



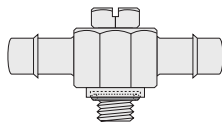
A10-T5-SLOT



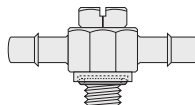
A10-T6-SLOT



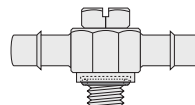
A10-T5 1/2-SLOT



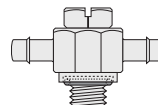
A10-T4-SLOT



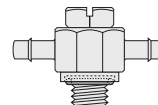
A10-T3-SLOT



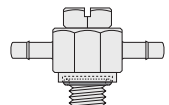
A10-T3 1/2-SLOT



A10-T2 1/2-SLOT



A10-T2-SLOT

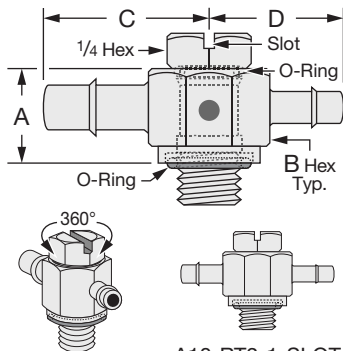


A10-T1-SLOT

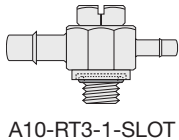
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	A10-T1-SLOT	A10-T1-SLOT-SS	A10-T1-SLOT-316SS	A10-T1-SLOT-NP	9/32	5/16	25/32
5/64 / 2mm	A10-T2-SLOT	A10-T2-SLOT-SS	A10-T2-SLOT-316SS	A10-T2-SLOT-NP	9/32	5/16	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	9/32	5/16	25/32
1/8	A10-T3-SLOT	A10-T3-SLOT-SS	A10-T3-SLOT-316SS	A10-T3-SLOT-NP	9/32	5/16	1 1/32
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	9/32	5/16	1 1/32
.170	A10-T4-SLOT	A10-T4-SLOT-SS	A10-T4-SLOT-316SS	A10-T4-SLOT-NP	.360	3/8	1 1/8
3/16	A10-T5-SLOT	A10-T5-SLOT-SS	A10-T5-SLOT-316SS	A10-T5-SLOT-NP	.360	3/8	1 3/16
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	.360	3/8	1 3/8
6mm	A10-T5 3/4-SLOT	A10-T5 3/4-SLOT-SS	A10-T5 3/4-SLOT-316SS	A10-T5 3/4-SLOT-NP	.360	7/16	1 7/16
1/4	A10-T6-SLOT	A10-T6-SLOT-SS	A10-T6-SLOT-316SS	A10-T6-SLOT-NP	.360	7/16	1 7/16

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

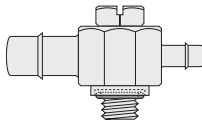
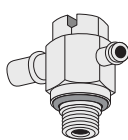
142



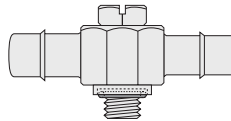
A10-RT2-1-SLOT



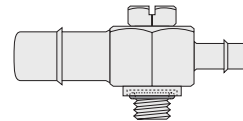
A10-RT3-1-SLOT



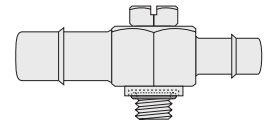
A10-RT5 1/2-SLOT



A10-RT5 1/2-SLOT



A10-RT5 3/4-3-SLOT



A10-RT6-4-SLOT

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/16	1	9/32	5/16	25/64	25/64
5/64 / 2mm	2	9/32	5/16	25/64	25/64
3/32	2 1/2	9/32	5/16	25/64	25/64
1/8	3	9/32	5/16	33/64	33/64
5/32 / 4mm	3 1/2	9/32	5/16	33/64	33/64

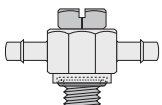
Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
.170	4	.360	3/8	9/16	9/16
3/16	5	.360	3/8	9/16	19/32
7/32	5 1/2	.360	7/16	19/32	9/16
6mm	5 3/4	.360	1/2	1	1
1/4	6	.360	1/2	1	1

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

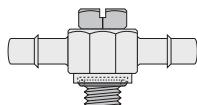


Unless otherwise specified, parts will be Brass. To order other materials, add the following codes to the part number:
-SS = Stainless Steel 303
-316SS = Stainless Steel 316
-NP = Electroless Nickel Plate

Stainless Steel Bolts available! See page 522!



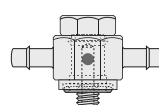
A10-T2-SLOT-SS-BOLT



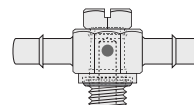
A10-T3-SLOT-316SS-BOLT

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

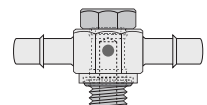
M3 & M5 Adjustables available! See pages 474 - 475!



AM3-T2



AM5-T3-SLOT



AM5-T3-SS-BOLT

143

Custom Male Thread Adjustable Elbows & Tees

Male Thread Size Options	Branches		Thread Options			
	Tube ID	Branch Number	M3	M5	M6	1/4-28
M3	1/16	1	✓	✓	✓	✓
M5	5/64 / 2mm	2	✓	✓	✓	✓
M6x1	3/32	2 1/2	✓	✓	✓	✓
1/4-28 (4-28)	1/8	3	✓	✓	✓	✓

Branches	Thread Options	Tube ID	Branch Number	M3	M5	M6	1/4-28
5/32 / 4mm	3 1/2	✓	✓	✓	✓	✓	✓
.170	4	✓	✓	✓	✓	✓	✓
3/16	5	✓	✓	✓	✓	✓	✓
7/32	5 1/2	✓	✓	✓	✓	✓	✓

Branches	Thread Options	Tube ID	Branch Number	M3	M5	M6	1/4-28
6mm	5 3/4	✓	✓	✓	✓	✓	✓
1/4	6	✓	✓	✓	✓	✓	✓
5/16 / 8mm	7	n/a	n/a	✓	✓	✓	✓
3/8	8	n/a	n/a	✓	✓	✓	✓

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Part Numbers for Custom Threaded Adjustable Elbows:



Part Numbers for Custom Threaded Adjustable Tees:



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

Material options for Adjustable Elbows & Tees listed below!

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Custom Male Thread Adjustable Elbows & Tees with Slotted Bolts

Male Thread Size Options	Branches		Thread Options			
	Tube ID	Branch Number	M3	M5	M6	1/4-28
M3	1/16	1	✓	✓	✓	✓
M5	5/64 / 2mm	2	✓	✓	✓	✓
M6x1	3/32	2 1/2	✓	✓	✓	✓
1/4-28	1/8	3	✓	✓	✓	✓

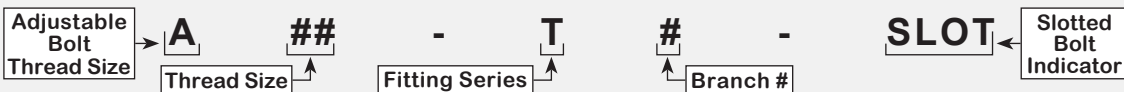
Branches	Thread Options	Tube ID	Branch Number	M3	M5	M6	1/4-28
5/32 / 4mm	3 1/2	✓	✓	✓	✓	✓	✓
.170	4	✓	✓	✓	✓	✓	✓
3/16	5	✓	✓	✓	✓	✓	✓
7/32	5 1/2	✓	✓	✓	✓	✓	✓

Branches	Thread Options	Tube ID	Branch Number	M3	M5	M6	1/4-28
6mm	5 3/4	✓	✓	✓	✓	✓	✓
1/4	6	✓	✓	✓	✓	✓	✓
5/16 / 8mm	7	n/a	n/a	✓	✓	✓	✓
3/8	8	n/a	n/a	✓	✓	✓	✓

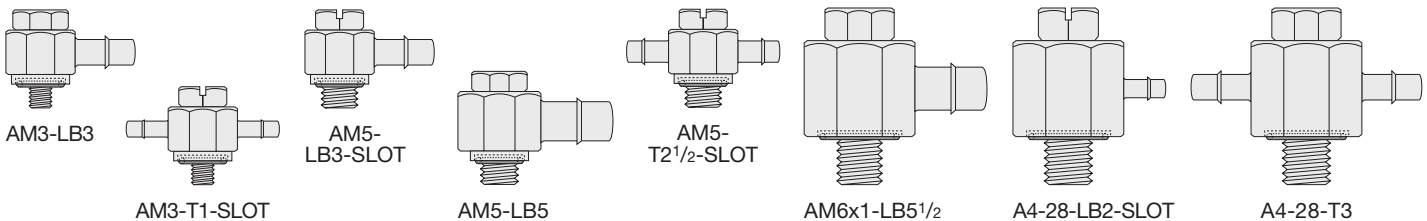
Part Numbers for Custom Threaded Adjustable Elbows with Slotted Bolts:



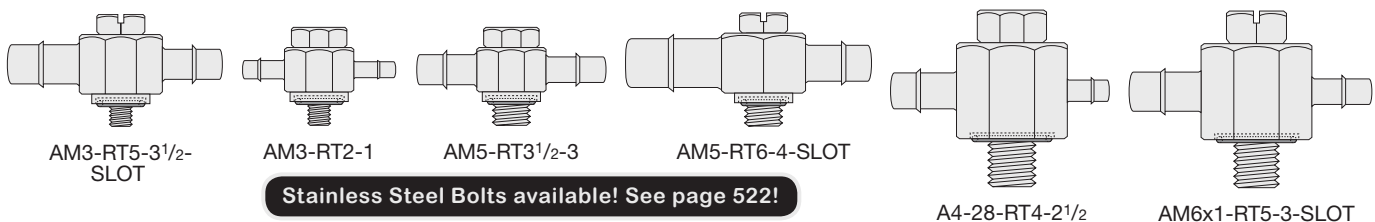
Part Numbers for Custom Threaded Adjustable Tees with Slotted Bolts:



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 (Elbows only)
-NP = Electroless Nickel Plate



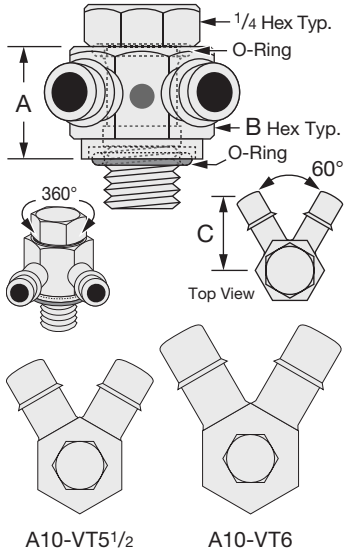
Custom Thread Reducing Tees available! Consult factory for details!



Stainless Steel Bolts available! See page 522!

10-32 Thread to Tube Adjustable V-Tees

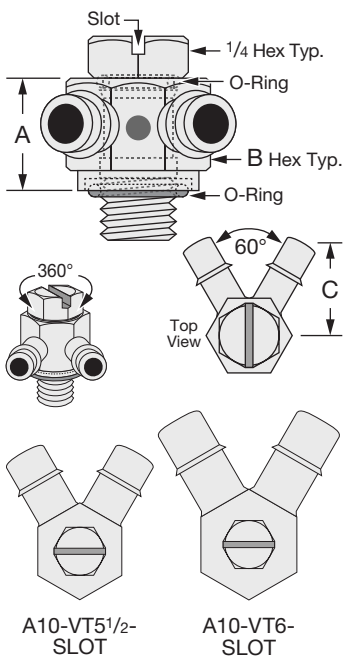
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Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	A10-VT1	A10-VT1-SS	A10-VT1-316SS	A10-VT1-NP	9/32	5/16	25/64
5/64 / 2mm	A10-VT2	A10-VT2-SS	A10-VT2-316SS	A10-VT2-NP	9/32	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	9/32	5/16	25/64
1/8	A10-VT3	A10-VT3-SS	A10-VT3-316SS	A10-VT3-NP	9/32	5/16	33/64
5/32 / 4mm	A10-VT3 1/2	A10-VT3 1/2-SS	A10-VT3 1/2-316SS	A10-VT3 1/2-NP	9/32	5/16	33/64
.170	A10-VT4	A10-VT4-SS	A10-VT4-316SS	A10-VT4-NP	.360	3/8	9/16
3/16	A10-VT5	A10-VT5-SS	A10-VT5-316SS	A10-VT5-NP	.360	3/8	9/16
7/32	A10-VT5 1/2	A10-VT5 1/2-SS	A10-VT5 1/2-316SS	A10-VT5 1/2-NP	.360	7/16	19/32
6mm	A10-VT5 3/4	A10-VT5 3/4-SS	A10-VT5 3/4-316SS	A10-VT5 3/4-NP	.360	1/2	1
1/4	A10-VT6	A10-VT6-SS	A10-VT6-316SS	A10-VT6-NP	.360	1/2	1

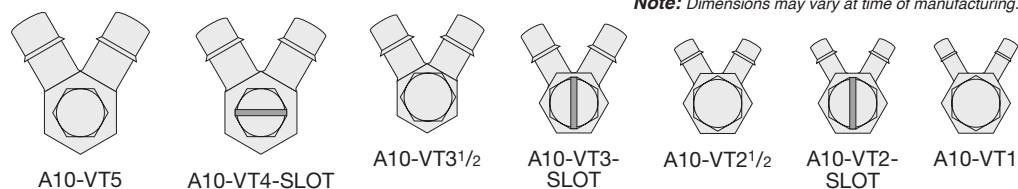
10-32 Thread to Tube Slotted Adjustable V-Tees

146



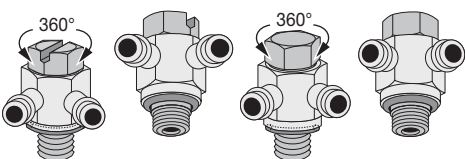
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	A10-VT1-SLOT	A10-VT1-SLOT-SS	A10-VT1-SLOT-316SS	A10-VT1-SLOT-NP	9/32	5/16	25/64
5/64 / 2mm	A10-VT2-SLOT	A10-VT2-SLOT-SS	A10-VT2-SLOT-316SS	A10-VT2-SLOT-NP	9/32	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	9/32	5/16	25/64
1/8	A10-VT3-SLOT	A10-VT3-SLOT-SS	A10-VT3-SLOT-316SS	A10-VT3-SLOT-NP	9/32	5/16	33/64
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	9/32	5/16	33/64
.170	A10-VT4-SLOT	A10-VT4-SLOT-SS	A10-VT4-SLOT-316SS	A10-VT4-SLOT-NP	.360	3/8	9/16
3/16	A10-VT5-SLOT	A10-VT5-SLOT-SS	A10-VT5-SLOT-316SS	A10-VT5-SLOT-NP	.360	3/8	9/16
7/32	A10-VT5 1/2-SLOT	A10-VT5 1/2-SLOT-SS	A10-VT5 1/2-SLOT-316SS	A10-VT5 1/2-SLOT-NP	.360	7/16	19/32
6mm	A10-VT5 3/4-SLOT	A10-VT5 3/4-SLOT-SS	A10-VT5 3/4-SLOT-316SS	A10-VT5 3/4-SLOT-NP	.360	1/2	1
1/4	A10-VT6-SLOT	A10-VT6-SLOT-SS	A10-VT6-SLOT-316SS	A10-VT6-SLOT-NP	.360	1/2	1

Note: Dimensions may vary at time of manufacturing.



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

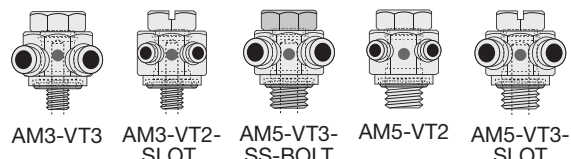
Stainless Steel Bolts available!



See page 522! Consult factory for details!

More Swivel options are available through the GT Series! See pages 505 - 515! Consult factory for details!

M3 & M5 threaded bolts also available!



Consult factory for details!

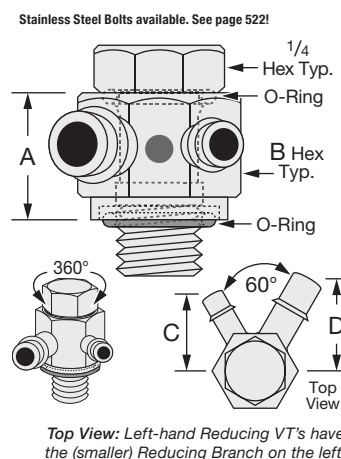
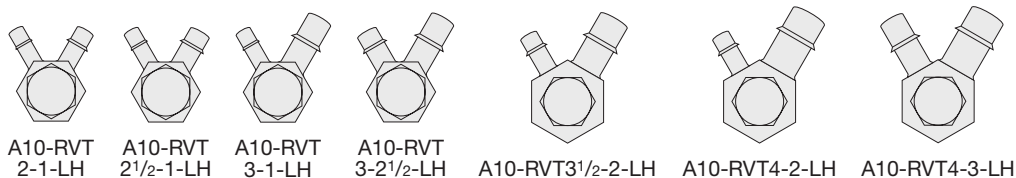
147

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	9/32	5/16	25/64	25/64
5/64 / 2mm	2	9/32	5/16	25/64	25/64
3/32	2 1/2	9/32	5/16	25/64	25/64
1/8	3	9/32	5/16	33/64	33/64
5/32 / 4mm	3 1/2	9/32	5/16	33/64	33/64

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
.170	4	.360	3/8	9/16	9/16
3/16	5	.360	3/8	9/16	19/32
7/32	5 1/2	.360	7/16	19/32	9/16
6mm	5 3/4	.360	1/2	1	1
1/4	6	.360	1/2	1	1

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



C

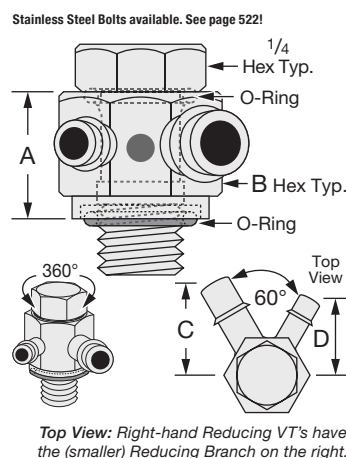
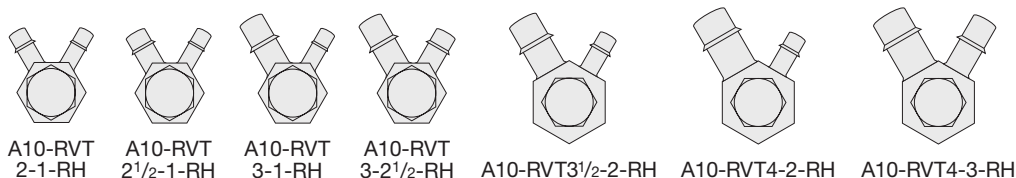
148

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	9/32	5/16	25/64	25/64
5/64 / 2mm	2	9/32	5/16	25/64	25/64
3/32	2 1/2	9/32	5/16	25/64	25/64
1/8	3	9/32	5/16	33/64	33/64
5/32 / 4mm	3 1/2	9/32	5/16	33/64	33/64

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
.170	4	.360	3/8	9/16	9/16
3/16	5	.360	3/8	9/16	19/32
7/32	5 1/2	.360	7/16	19/32	9/16
6mm	5 3/4	.360	1/2	1	1
1/4	6	.360	1/2	1	1

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



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**

M3 & M5 Bolts available!

Consult factory for details!

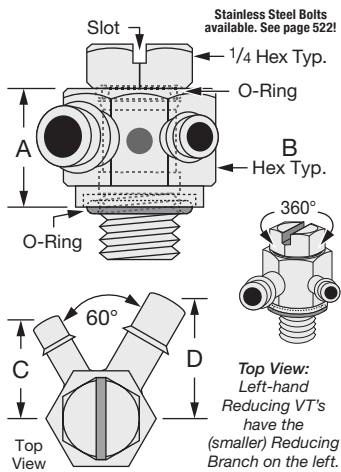
O-Ring material options are listed on page 65!

10-32, M3, and M5 Stainless Steel Bolts available!

See pages 522 - 523! Consult factory for details!

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

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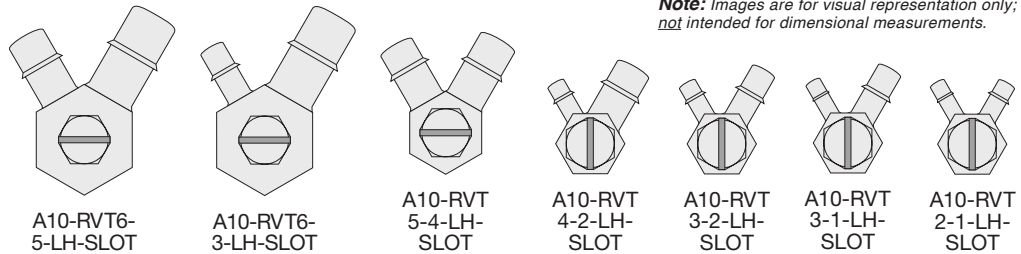


Supplied with Buna-N O-Rings! Other material options listed on page 65!

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/16	1	9/32	5/16	25/64	25/64
5/64 / 2mm	2	9/32	5/16	25/64	25/64
3/32	2 1/2	9/32	5/16	25/64	25/64
1/8	3	9/32	5/16	33/64	33/64
5/32 / 4mm	3 1/2	9/32	5/16	33/64	33/64

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
.170	4	.360	3/8	9/16	9/16
3/16	5	.360	3/8	9/16	19/32
7/32	5 1/2	.360	7/16	19/32	9/16
6mm	5 3/4	.360	1/2	1	1
1/4	6	.360	1/2	1	1

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

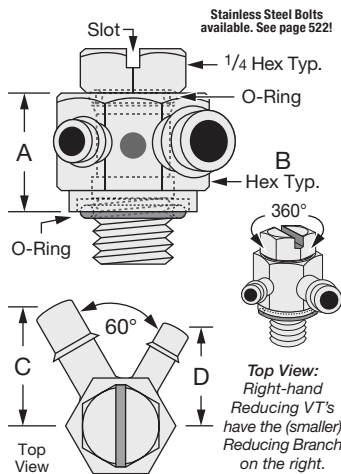


Part Numbers for 10-32 Thread to Tube Reducing Slotted Adjustable Left-Hand V-Tees:



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

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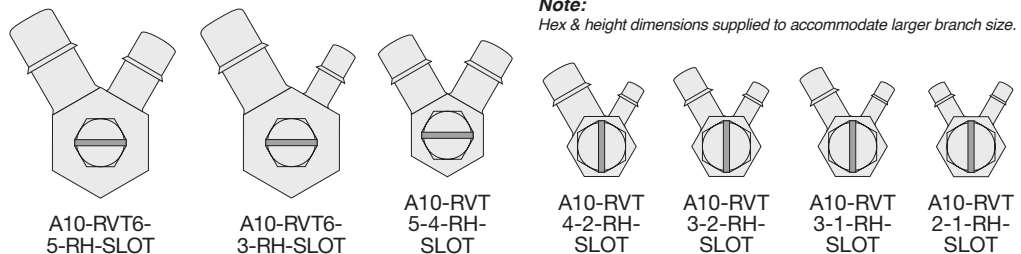


M3 and M5 threaded adjustable fittings available! See pages 474 and 475! Consult factory for details!

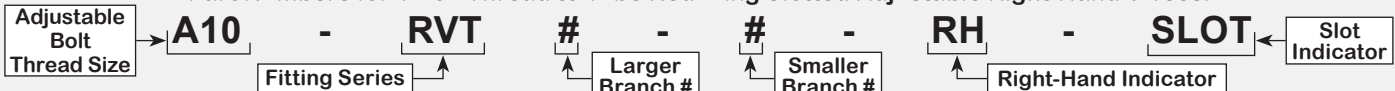
Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/16	1	9/32	5/16	25/64	25/64
5/64 / 2mm	2	9/32	5/16	25/64	25/64
3/32	2 1/2	9/32	5/16	25/64	25/64
1/8	3	9/32	5/16	33/64	33/64
5/32 / 4mm	3 1/2	9/32	5/16	33/64	33/64

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
.170	4	.360	3/8	9/16	9/16
3/16	5	.360	3/8	9/16	19/32
7/32	5 1/2	.360	7/16	19/32	9/16
6mm	5 3/4	.360	1/2	1	1
1/4	6	.360	1/2	1	1

Note: Hex & height dimensions supplied to accommodate larger branch size.



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



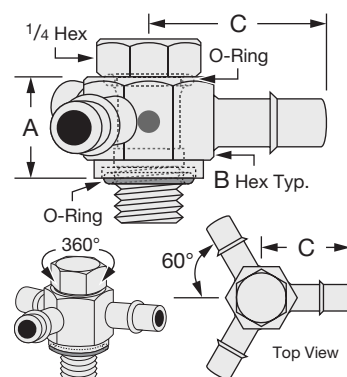
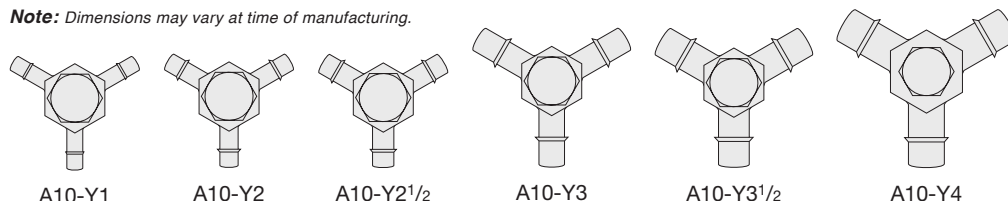
Unless otherwise specified, parts will be Brass. To order other materials, please add the following codes to the part number:
 -SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

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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	9/32	5/16	25/64
5/64 / 2mm	A10-Y2	A10-Y2-SS	A10-Y2-316SS	A10-Y2-NP	9/32	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	9/32	5/16	25/64
1/8	A10-Y3	A10-Y3-SS	A10-Y3-316SS	A10-Y3-NP	9/32	5/16	33/64
5/32 / 4mm	A10-Y3 1/2	A10-Y3 1/2-SS	A10-Y3 1/2-316SS	A10-Y3 1/2-NP	9/32	5/16	33/64
.170	A10-Y4	A10-Y4-SS	A10-Y4-316SS	A10-Y4-NP	.360	5/16	9/16
3/16	A10-Y5	A10-Y5-SS	A10-Y5-316SS	A10-Y5-NP	.360	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	.360	3/8	9/16
6mm	A10-Y5 3/4	A10-Y5 3/4-SS	A10-Y5 3/4-316SS	A10-Y5 3/4-NP	.360	7/16	23/32
1/4	A10-Y6	A10-Y6-SS	A10-Y6-316SS	A10-Y6-NP	.360	7/16	23/32

Note: Dimensions may vary at time of manufacturing.



A10-Y6

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

152

10-32 Thread Adjustable Reducing Y Fittings

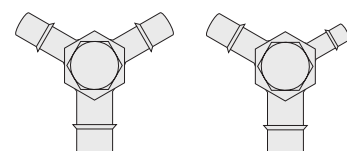
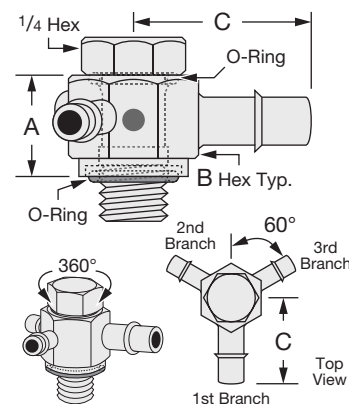
Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/16	1	9/32	5/16	25/64	25/64
5/64 / 2mm	2	9/32	5/16	25/64	25/64
3/32	2 1/2	9/32	5/16	25/64	25/64
1/8	3	9/32	5/16	33/64	33/64
5/32 / 4mm	3 1/2	9/32	5/16	33/64	33/64

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
.170	4	.360	3/8	9/16	9/16
3/16	5	.360	3/8	9/16	19/32
7/32	5 1/2	.360	7/16	19/32	9/16
6mm	5 3/4	.360	7/16	23/32	23/32
1/4	6	.360	7/16	23/32	23/32

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



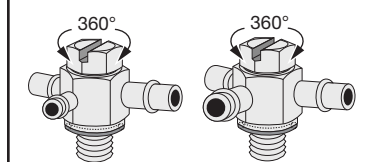
Unless otherwise specified, parts will be Brass. For other materials, add the following codes to the part number:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate



A10-RY4-3-3

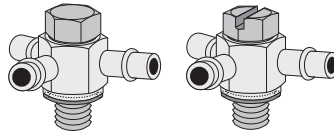
A10-RY4-3-2

Slotted Bolts available!



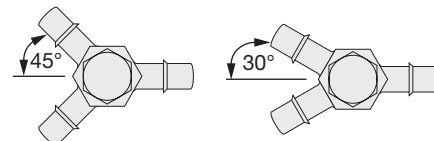
Consult factory for details!

Stainless Steel Bolts available!



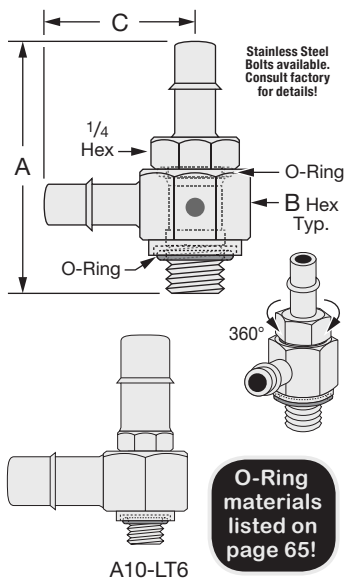
See page 521 for details!

Alternate branch angles available!



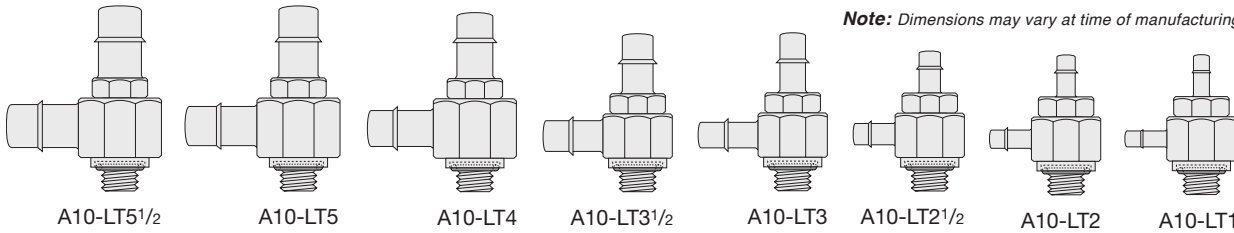
10-32 Thread Adjustable L-Tees

153



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	.605	5/16	25/64
5/64 / 2mm	A10-LT2	A10-LT2-SS	A10-LT2-316SS	A10-LT2-NP	.605	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	.605	5/16	25/64
1/8	A10-LT3	A10-LT3-SS	A10-LT3-316SS	A10-LT3-NP	.698	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	.698	5/16	33/64
.170	A10-LT4	A10-LT4-SS	A10-LT4-316SS	A10-LT4-NP	.809	3/8	9/16
3/16	A10-LT5	A10-LT5-SS	A10-LT5-316SS	A10-LT5-NP	.797	3/8	9/16
7/32	A10-VT5 1/2	A10-VT5 1/2-SS	A10-VT5 1/2-316SS	A10-VT5 1/2-NP	.797	3/8	9/16
6mm	A10-VT5 3/4	A10-VT5 3/4-SS	A10-VT5 3/4-316SS	A10-VT5 3/4-NP	.965	7/16	23/32
1/4	A10-LT6	A10-LT6-SS	A10-LT6-316SS	A10-LT6-NP	.965	7/16	23/32

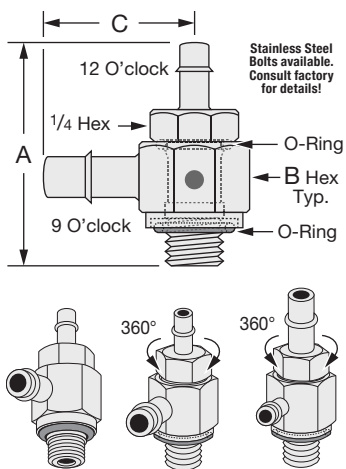
Note: Dimensions may vary at time of manufacturing.



Other threads available! See page 83 for options!

10-32 Thread to Tube Adjustable Reducing L-Tees

154

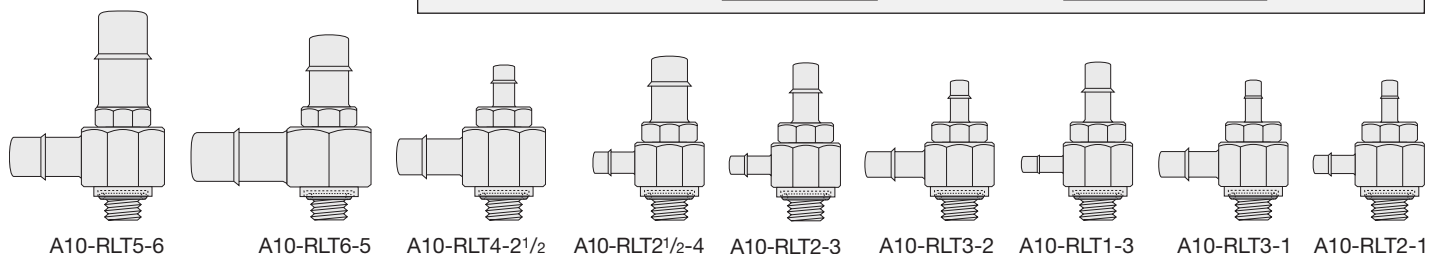


Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/16	1	Consult Factory	Consult Factory	Consult Factory
5/64 / 2mm	2	Consult Factory	Consult Factory	Consult Factory
3/32	2 1/2	Consult Factory	Consult Factory	Consult Factory
1/8	3	Consult Factory	Consult Factory	Consult Factory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

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

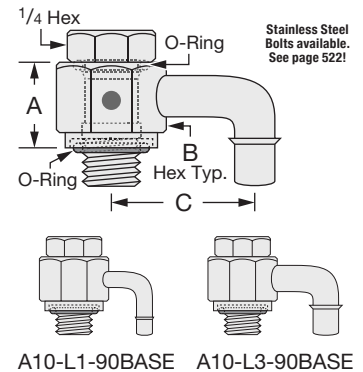


Unless otherwise specified, parts will be Brass. To order other materials, please add the following codes to the part number:
-SS = Stainless Steel 303 **-316SS = Stainless Steel 316** **-NP = Electroless Nickel Plate**

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	9/32	5/16	Consult Factory Consult Factory
5/64 / 2mm	A10-L2-90BASE	A10-L2-90BASE-SS	A10-L2-90BASE-316SS	A10-L2-90BASE-NP	9/32	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	9/32	5/16	
1/8	A10-L3-90BASE	A10-L3-90BASE-SS	A10-L3-90BASE-316SS	A10-L3-90BASE-NP	9/32	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	9/32	5/16	
.170	A10-L4-90BASE	A10-L4-90BASE-SS	A10-L4-90BASE-316SS	A10-L4-90BASE-NP	.360	3/8	
3/16	A10-L5-90BASE	A10-L5-90BASE-SS	A10-L5-90BASE-316SS	A10-L5-90BASE-NP	.360	3/8	

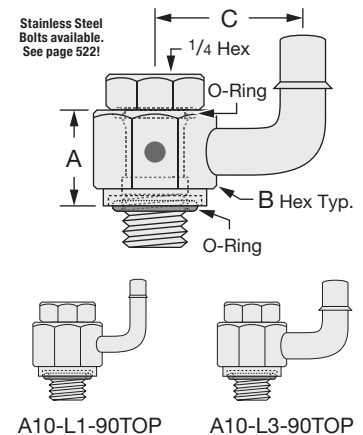


O-Ring options on page 65!

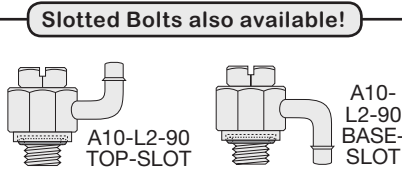
156

10-32 Thread to Tube Adjustable 90° Top Elbows

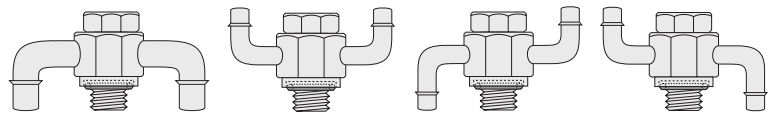
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	A10-L1-90TOP	A10-L1-90TOP-SS	A10-L1-90TOP-316SS	A10-L1-90TOP-NP	9/32	5/16	Consult Factory Consult Factory
5/64 / 2mm	A10-L2-90TOP	A10-L2-90TOP-SS	A10-L2-90TOP-316SS	A10-L2-90TOP-NP	9/32	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	9/32	5/16	
1/8	A10-L3-90TOP	A10-L3-90TOP-SS	A10-L3-90TOP-316SS	A10-L3-90TOP-NP	9/32	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	9/32	5/16	
.170	A10-L4-90TOP	A10-L4-90TOP-SS	A10-L4-90TOP-316SS	A10-L4-90TOP-NP	.360	3/8	
3/16	A10-L5-90TOP	A10-L5-90TOP-SS	A10-L5-90TOP-316SS	A10-L5-90TOP-NP	.360	3/8	



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



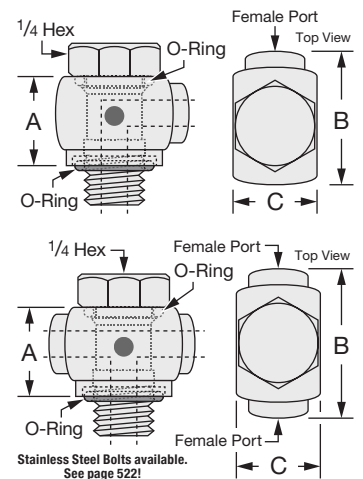
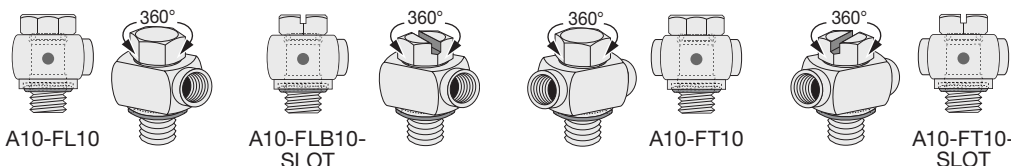
Other Branch configurations available! Consult factory for details!



157

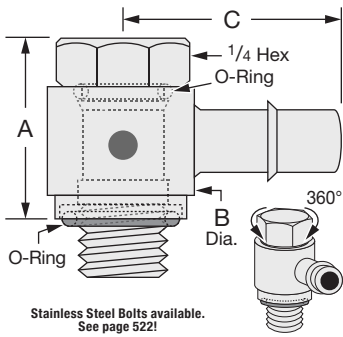
10-32 Thread Adjustable Elbows and Tees with Female Port(s)

Fitting Type	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Typ.
Elbow (No Slot)	A10-FL-10	A10-FL-10-SS	A10-FL-10-316SS	A10-FL-10-NP	Consult Factory	Consult Factory	Consult Factory
Elbow Slotted Bolt	A10-FL-10-SLOT	A10-FL-10-SLOT-SS	A10-FL-10-SLOT-316SS	A10-FL-10-SLOT-NP	Consult Factory	Consult Factory	Consult Factory
Tee (No Slot)	A10-FT-10	A10-FT-10-SS	A10-FT-10-316SS	A10-FT-10-NP	Consult Factory	Consult Factory	Consult Factory
Tee Slotted Bolt	A10-FT-10-SLOT	A10-FT-10-SLOT-SS	A10-FT-10-SLOT-316SS	A10-FT-10-SLOT-NP	Consult Factory	Consult Factory	Consult Factory



10-32 Thread to Tube Adjustable Elbows with Round Bodies

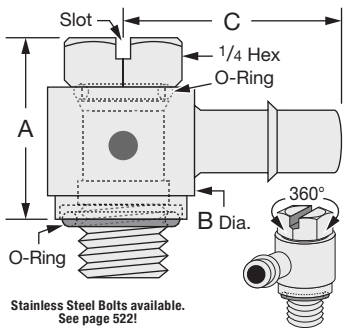
158



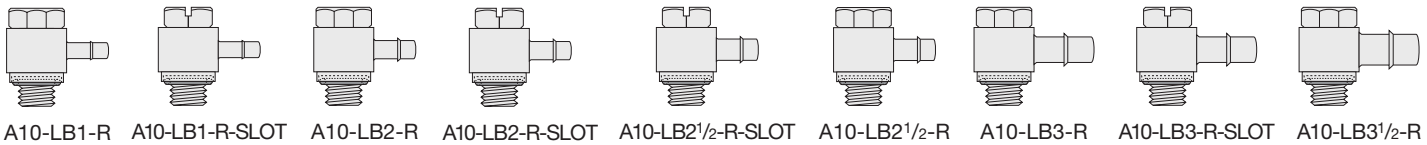
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
1/16	A10-LB1-R	A10-LB1-R-SS	A10-LB1-R-316SS	A10-LB1-R-NP	Consult Factory	Consult Factory	Consult Factory
5/64 / 2mm	A10-LB2-R	A10-LB2-R-SS	A10-LB2-R-316SS	A10-LB2-R-NP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

10-32 Thread Slotted Adjustable Elbows with Round Bodies

159

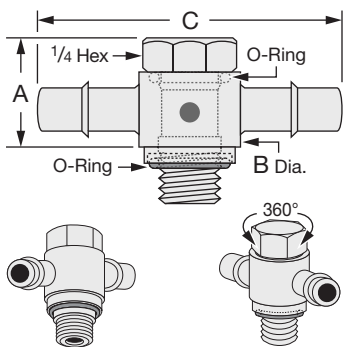


Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
1/16	A10-LB1-R-SLOT	A10-LB1-R-SLOT-SS	A10-LB1-R-SLOT-316SS	A10-LB1-R-SLOT-NP	Consult Factory	Consult Factory	Consult Factory
5/64 / 2mm	A10-LB2-R-SLOT	A10-LB2-R-SLOT-SS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

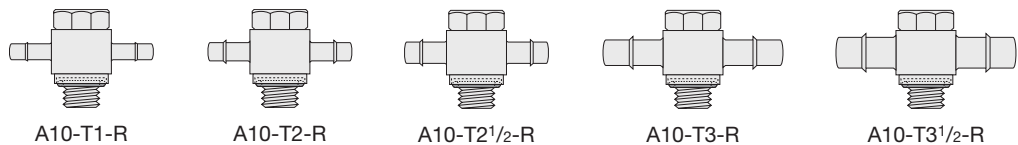


10-32 Thread Adjustable Tees with Round Bodies

160

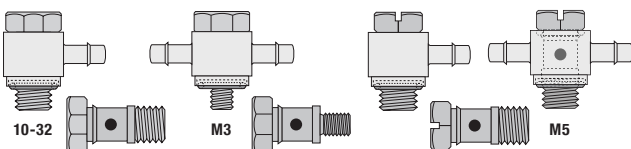


Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
1/16	A10-T1-R	A10-T1-R-SS	A10-T1-R-316SS	A10-T1-R-NP	Consult Factory	Consult Factory	Consult Factory
5/64 / 2mm	A10-T2-R	A10-T2-R-SS	A10-T2-R-316SS	A10-T2-R-NP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



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

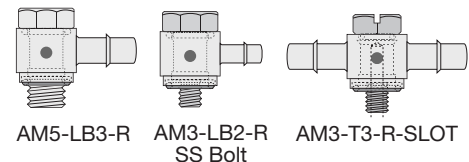
Stainless Steel Bolts available! See pages 522-523!



See page 521 for Nano Adjustables!

Consult factory for details!

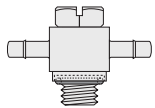
M3 & M5 threaded bolts available!



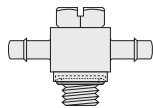
161

10-32 Thread Slotted Adjustable Tees with Round Bodies

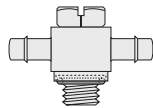
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
1/16	A10-T1-R-SLOT	A10-T1-R-SLOT-SS	A10-T1-R-SLOT-316SS	A10-T1-R-SLOT-NP	Consult Factory	Consult Factory	Consult Factory
5/64 / 2mm	A10-T2-R-SLOT	A10-T2-R-SLOT-SS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



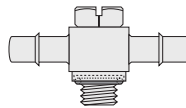
A10-T1-R-SLOT



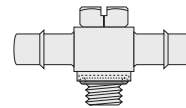
A10-T2-R-SLOT



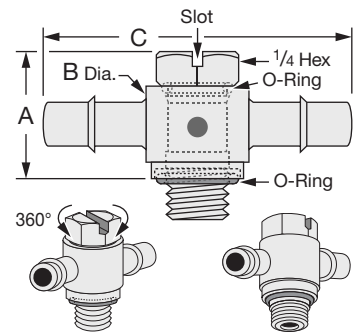
A10-T2 1/2-R-SLOT



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!

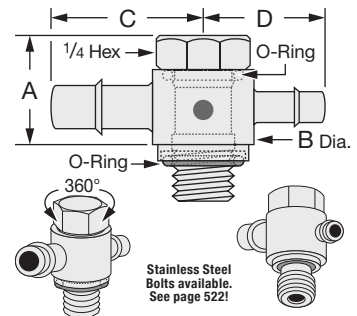
162

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

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

O-Ring options listed on page 65!



Stainless Steel Bolts available. See page 522!

M3 & M5 Thread Bolts available! See page 523! Consult factory!

Part Numbers for 10-32 Thread Adjustable Reducing Tees:



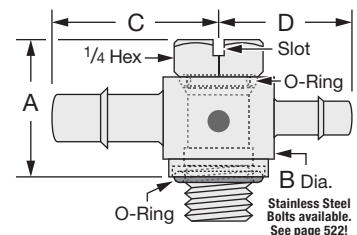
163

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.
1/16	1	Consult Factory		
5/64 / 2mm	2	Consult Factory		
3/32	2 1/2	Consult Factory		

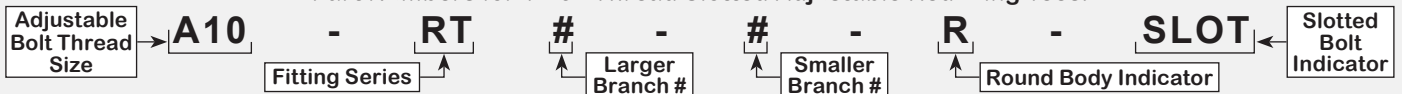
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Dia.	C Ref.
1/8	3	Consult Factory		
5/32 / 4mm	3 1/2	Consult Factory		

O-Ring options listed on page 65!

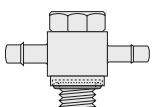


Stainless Steel Bolts available. See page 522!

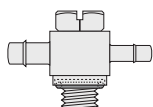
Part Numbers for 10-32 Thread Slotted Adjustable Reducing Tees:



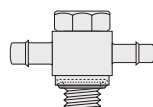
Unless otherwise specified, parts will be Brass. To order other materials, please add the following codes to the part number:
-SS = Stainless Steel 303 **-316SS = Stainless Steel 316** **-NP = Electroless Nickel Plate**



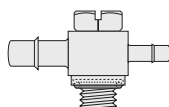
A10-RT2-1-R



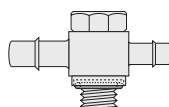
A10-RT2 1/2-1-R-SLOT



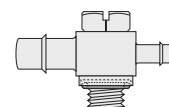
A10-RT2 1/2-2-R



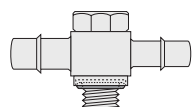
A10-RT3-1-R-SLOT



A10-RT3-2 1/2-R



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

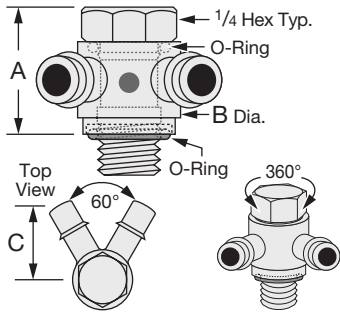


A10-RT3 1/2-3-R

10-32 Thread Adjustable V-Tees with Round Bodies

164

Stainless Steel Bolts available. See page 522!

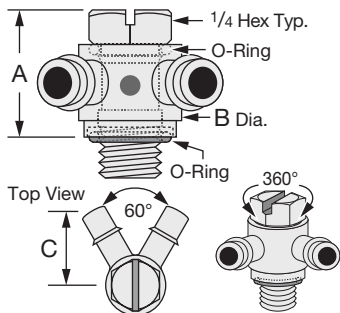


Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
1/16	A10-VT1-R	A10-VT1-R-SS	A10-VT1-R-316SS	A10-VT1-R-NP	Consult Factory		
5/64 / 2mm	A10-VT2-R	A10-VT2-R-SS	A10-VT2-R-316SS	A10-VT2-R-NP	Consult Factory		
3/32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

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

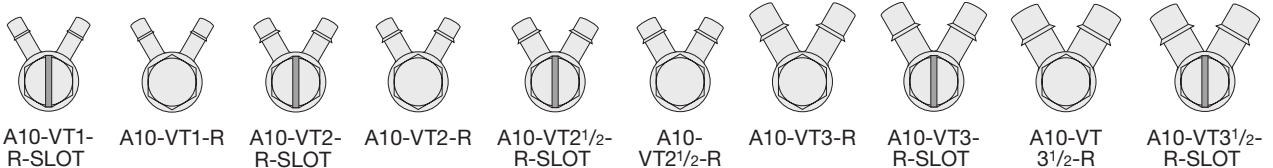
165

Stainless Steel Bolts available. See page 522!



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	Consult Factory		
5/64 / 2mm	A10-VT2-R-SLOT	A10-VT2-R-SLOT-SS	A10-VT2-R-SLOT-316SS	A10-VT2-R-SLOT-NP	Consult Factory		
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	Consult Factory		
1/8	A10-VT3-R-SLOT	A10-VT3-R-SLOT-SS	A10-VT3-R-SLOT-316SS	A10-VT3-R-SLOT-NP	Consult Factory		
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	Consult Factory		

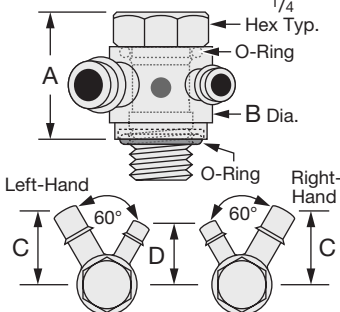
O-Ring material options on page 65!



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

166

Stainless Steel Bolts available. See page 522!



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

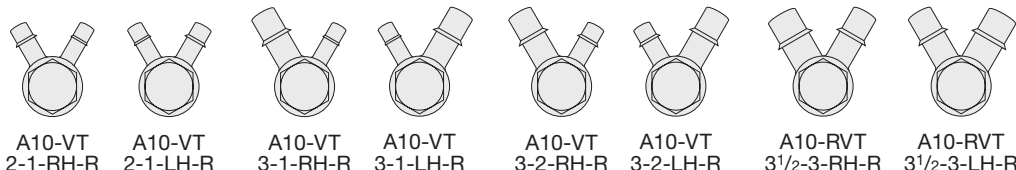
Top View: Right-handed Reducing VT's have the smaller branch on the right.
Left-handed Reducing VT's have the smaller branch on the left.

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 10-32 Adjustable Reducing Left/Right-Hand V-Tees with Round Bodies:



O-Ring material options on page 65!



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

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	Consult Factory		
5/64 / 2mm	2	Consult Factory		
3/32	2 1/2	Consult Factory		

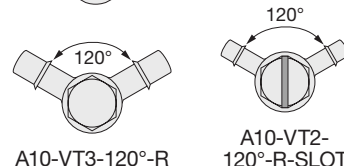
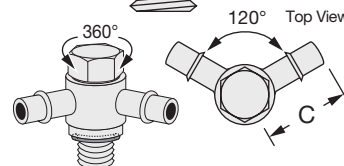
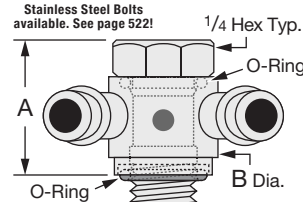
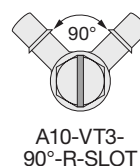
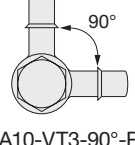
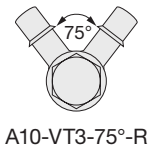
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Dia.	C Ref.
1/8	3	Consult Factory		
5/32 / 4mm	3 1/2	Consult Factory		

75°, 90°, and 120° V-Tees available!

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



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



O-Ring options on page 65!

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!

M3 & M5 Thread Bolts also available! See page 523!

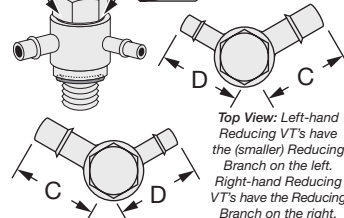
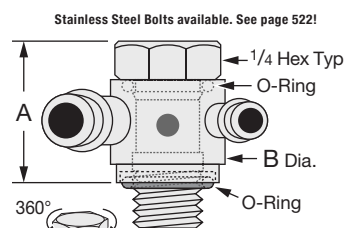
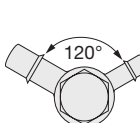
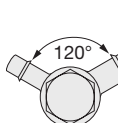
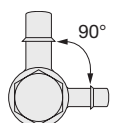
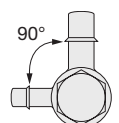
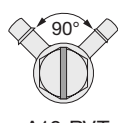
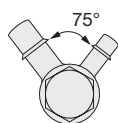
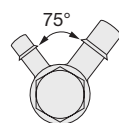
168

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

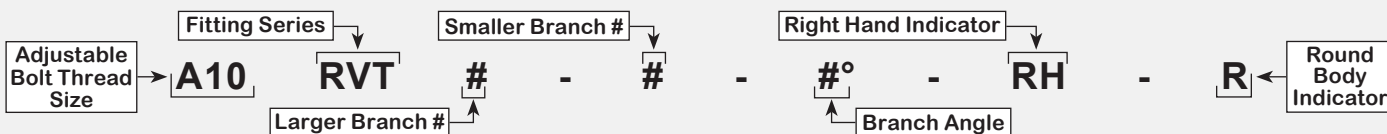
Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Dia.	C Ref.	D Ref.
1/16	1	Consult Factory			
5/64 / 2mm	2	Consult Factory			
3/32	2 1/2	Consult Factory			

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

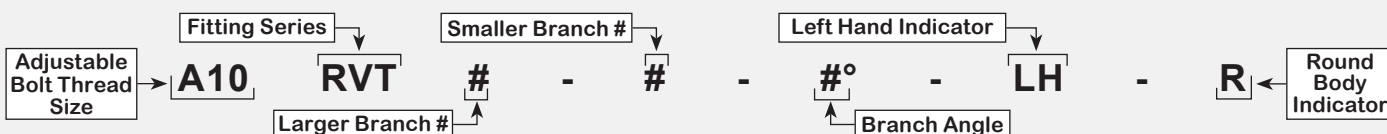
75°, 90°, and 120° V-Tees available!



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



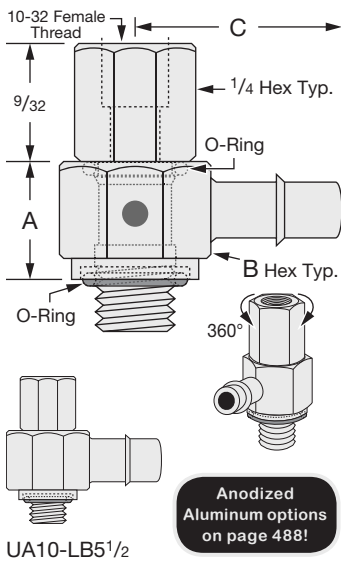
Part Numbers for 10-32 Thread to Tube Adjustable Custom Right-Hand Reducing V-Tees with Round Bodies:



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 Universal Adjustable Elbows with 10-32 Female Bolts Thread

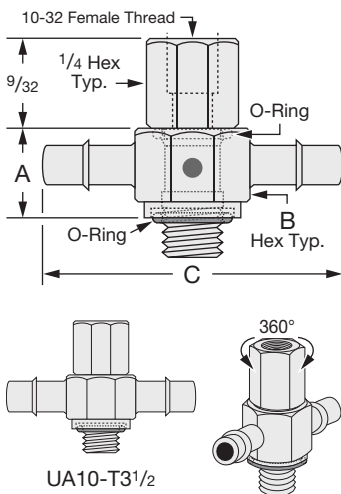
169



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	UA10-LB1	UA10-LB1-SS	UA10-LB1-316SS	UA10-LB1-AL	UA10-LB1-NP	.281	5/16	25/64
5/64 / 2mm	UA10-LB2	UA10-LB2-SS	UA10-LB2-316SS	UA10-LB2-AL	UA10-LB2-NP	.281	5/16	25/64
3/32	UA10-LB2 1/2	UA10-LB2 1/2-SS	UA10-LB2 1/2-316SS	UA10-LB2 1/2-AL	UA10-LB2 1/2-NP	.281	5/16	25/64
1/8	UA10-LB3	UA10-LB3-SS	UA10-LB3-316SS	UA10-LB3-AL	UA10-LB3-NP	.281	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-AL	UA10-LB3 1/2-NP	.281	5/16	33/64
.170	UA10-LB4	UA10-LB4-SS	UA10-LB4-316SS	UA10-LB4-AL	UA10-LB4-NP	.360	3/8	9/16
3/16	UA10-LB5	UA10-LB5-SS	UA10-LB5-316SS	UA10-LB5-AL	UA10-LB5-NP	.360	3/8	9/16
7/32	UA10-LB5 1/2	UA10-LB5 1/2-SS	UA10-LB5 1/2-316SS	UA10-LB5 1/2-AL	UA10-LB5 1/2-NP	.360	3/8	9/16
6mm	UA10-LB5 3/4	UA10-LB5 3/4-SS	UA10-LB5 3/4-316SS	UA10-LB5 3/4-AL	UA10-LB5 3/4-NP	.360	7/16	23/32
1/4	UA10-LB6	UA10-LB6-SS	UA10-LB6-316SS	UA10-LB6-AL	UA10-LB6-NP	.360	7/16	23/32

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

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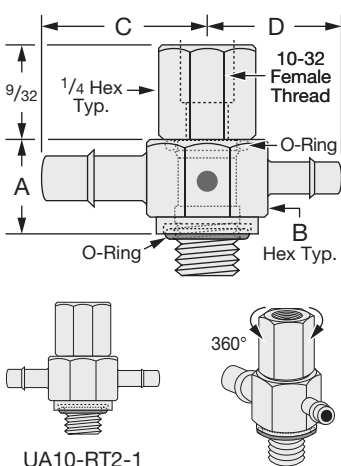


Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	UA10-T1	UA10-T1-SS	UA10-T1-316SS	UA10-T1-NP	.281	5/16	25/32
5/64 / 2mm	UA10-T2	UA10-T2-SS	UA10-T2-316SS	UA10-T2-NP	.281	5/16	25/32
3/32	UA10-T2 1/2	UA10-T2 1/2-SS	UA10-T2 1/2-316SS	UA10-T2 1/2-NP	.281	5/16	25/32
1/8	UA10-T3	UA10-T3-SS	UA10-T3-316SS	UA10-T3-NP	.281	5/16	1 1/32
5/32 / 4mm	UA10-T3 1/2	UA10-T3 1/2-SS	UA10-T3 1/2-316SS	UA10-T3 1/2-NP	.281	5/16	1 1/32
.170	UA10-T4	UA10-T4-SS	UA10-T4-316SS	UA10-T4-NP	.360	3/8	1 1/8
3/16	UA10-T5	UA10-T5-SS	UA10-T5-316SS	UA10-T5-NP	.360	3/8	1 3/16
7/32	UA10-T5 1/2	UA10-T5 1/2-SS	UA10-T5 1/2-316SS	UA10-T5 1/2-NP	.360	3/8	1 3/8
6mm	UA10-T5 3/4	UA10-T5 3/4-SS	UA10-T5 3/4-316SS	UA10-T5 3/4-NP	.360	7/16	1 7/16
1/4	UA10-T6	UA10-T6-SS	UA10-T6-316SS	UA10-T6-NP	.360	7/16	1 7/16

O-Ring options on page 65!

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

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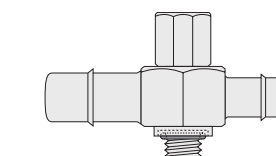
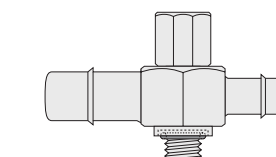
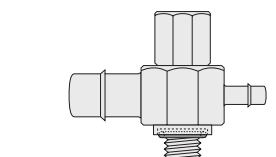
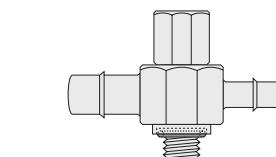
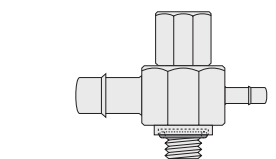
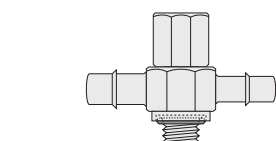
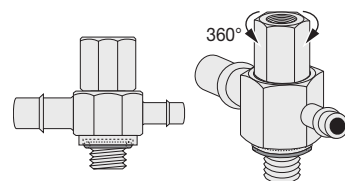
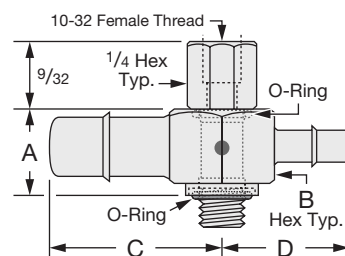


Tube ID	Part Numbers				Dimensions (Reference)			
	Larger Branch	Smaller Branch	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.
5/64 / 2mm	1/16	1/16	UA10-RT2-1	UA10-RT2-1-SS	UA10-RT2-1-316SS	UA10-RT2-1-NP	9/32	5/16
3/32	1/16	1/16	UA10-RT2 1/2-1	UA10-RT2 1/2-1-SS	UA10-RT2 1/2-1-316SS	UA10-RT2 1/2-1-NP	9/32	5/16
3/32	5/64 / 2mm	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	9/32	5/16
1/8	1/16	1/16	UA10-RT3-1	UA10-RT3-1-SS	UA10-RT3-1-316SS	UA10-RT3-1-NP	9/32	5/16
1/8	5/64 / 2mm	5/64 / 2mm	UA10-RT3-2	UA10-RT3-2-SS	UA10-RT3-2-316SS	UA10-RT3-2-NP	9/32	5/16
1/8	3/32	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	9/32	5/16
5/32 / 4mm	1/16	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	9/32	5/16
5/32 / 4mm	5/64 / 2mm	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	9/32	5/16

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

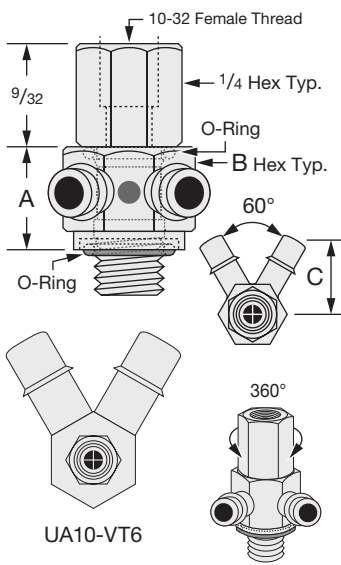
Tube ID		Part Numbers				Dimensions (Reference)			
Larger Branch	Smaller Branch	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
5/32 / 4mm	3/32	UA10- RT3 ¹ / ₂ -2 ¹ / ₂	UA10-RT3 ¹ / ₂ -2 ¹ / ₂ - SS	UA10-RT3 ¹ / ₂ -2 ¹ / ₂ - 316SS	UA10-RT3 ¹ / ₂ -2 ¹ / ₂ - NP	.281	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	.281	5/16	33/64	33/64
.170	1/16	UA10-RT4-1	UA10-RT4-1-SS	UA10-RT4-1-316SS	UA10-RT4-1-NP	.360	3/8	9/16	27/64
.170	5/64 / 2mm	UA10-RT4-2	UA10-RT4-2-SS	UA10-RT4-2-316SS	UA10-RT4-2-NP	.360	3/8	9/16	27/64
.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	.360	3/8	9/16	27/64
.170	1/8	UA10-RT4-3	UA10-RT4-3-SS	UA10-RT4-3-316SS	UA10-RT4-3-NP	.360	3/8	9/16	35/64
.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	.360	3/8	9/16	35/64
3/16	1/16	UA10-RT5-1	UA10-RT5-1-SS	UA10-RT5-1-316SS	UA10-RT5-1-NP	.360	3/8	9/16	27/64
3/16	5/64 / 2mm	UA10-RT5-2	UA10-RT5-2-SS	UA10-RT5-2-316SS	UA10-RT5-2-NP	.360	3/8	9/16	27/64
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	.360	3/8	9/16	27/64
3/16	1/8	UA10-RT5-3	UA10-RT5-3-SS	UA10-RT5-3-316SS	UA10-RT5-3-NP	.360	3/8	9/16	35/64
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	.360	3/8	9/16	35/64
3/16	.170	UA10-RT5-4	UA10-RT5-4-SS	UA10-RT5-4-316SS	UA10-RT5-4-NP	.360	3/8	9/16	9/16
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	.360	3/8	9/16	27/64
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	.360	3/8	9/16	27/64
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	.360	3/8	9/16	27/64
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	.360	3/8	9/16	35/64
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	.360	3/8	9/16	35/64
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	.360	3/8	9/16	9/16
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	.360	3/8	9/16	9/16
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	.360	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	.360	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	.360	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	.360	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	.360	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	.360	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	.360	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	.360	7/16	23/32	19/32
1/4	1/16	UA10-RT6-1	UA10-RT6-1-SS	UA10-RT6-1-316SS	UA10-RT6-1-NP	.360	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	.360	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	.360	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	.360	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	.360	7/16	23/32	17/32
1/4	.170	UA10-RT6-4	UA10-RT6-4-SS	UA10-RT6-4-316SS	UA10-RT6-4-NP	.360	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	.360	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	.360	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	.360	7/16	23/32	23/32



O-Ring options on page 65!

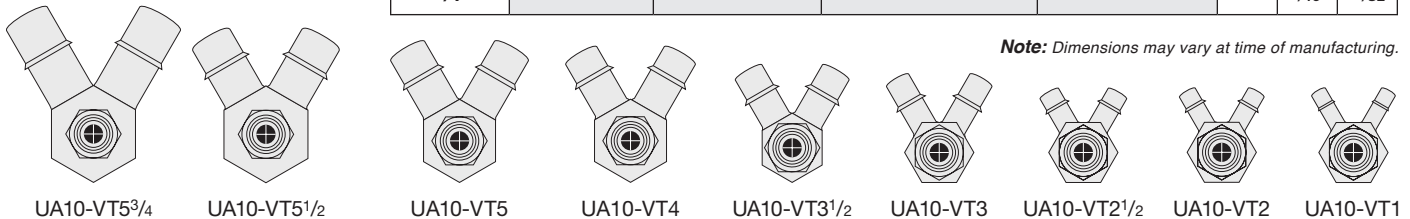
10-32 Universal Adjustable V-Tees with 10-32 Female Bolts Thread

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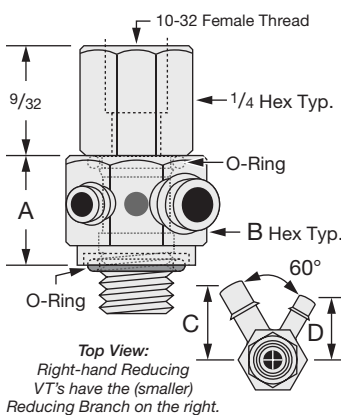
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	UA10-VT1	UA10-VT1-SS	UA10-VT1-316SS	UA10-VT1-NP	.281	5/16	25/64
5/64 / 2mm	UA10-VT2	UA10-VT2-SS	UA10-VT2-316SS	UA10-VT2-NP	.281	5/16	25/64
3/32	UA10-VT2 1/2	UA10-VT2 1/2-SS	UA10-VT2 1/2-316SS	UA10-VT2 1/2-NP	.281	5/16	25/64
1/8	UA10-VT3	UA10-VT3-SS	UA10-VT3-316SS	UA10-VT3-NP	.281	5/16	33/64
5/32 / 4mm	UA10-VT3 1/2	UA10-VT3 1/2-SS	UA10-VT3 1/2-316SS	UA10-VT3 1/2-NP	.281	5/16	33/64
.170	UA10-VT4	UA10-VT4-SS	UA10-VT4-316SS	UA10-VT4-NP	.360	3/8	9/16
3/16	UA10-VT5	UA10-VT5-SS	UA10-VT5-316SS	UA10-VT5-NP	.360	3/8	9/16
7/32	UA10-VT5 1/2	UA10-VT5 1/2-SS	UA10-VT5 1/2-316SS	UA10-VT5 1/2-NP	.360	7/16	19/32
6mm	UA10-VT5 3/4	UA10-VT5 3/4-SS	UA10-VT5 3/4-316SS	UA10-VT5 3/4-NP	.360	7/16	23/32
1/4	UA10-VT6	UA10-VT6-SS	UA10-VT6-316SS	UA10-VT6-NP	.360	7/16	23/32

Note: Dimensions may vary at time of manufacturing.



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

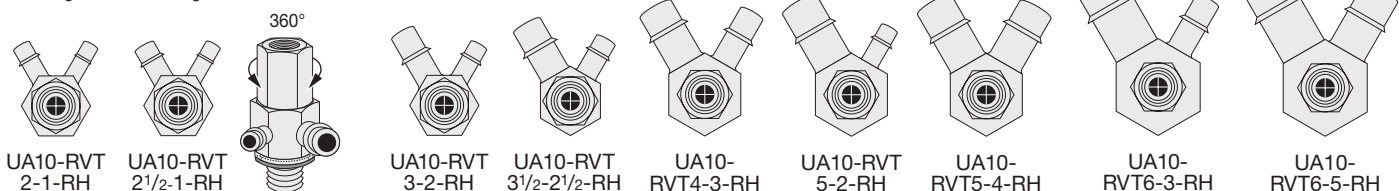
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Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/16	1	.281	5/16	25/64	25/64
5/64 / 2mm	2	.281	5/16	25/64	25/64
3/32	2 1/2	.281	5/16	25/64	25/64
1/8	3	.281	5/16	33/64	33/64
5/32 / 4mm	3 1/2	.281	5/16	33/64	33/64

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
.170	4	.360	3/8	9/16	9/16
3/16	5	.360	3/8	9/16	9/16
7/32	5 1/2	.360	7/16	19/32	19/32
6mm	5 3/4	.360	7/16	23/32	23/32
1/4	6	.360	7/16	23/32	23/32

Note: Smaller branch sizes available! Consult factory for details!



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

Universal Adjustable Bolt Indicator	UA10	-	RVT	#	-	#	-	RH	Right-Hand Indicator
		Fitting Series		Larger Branch #		Smaller 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

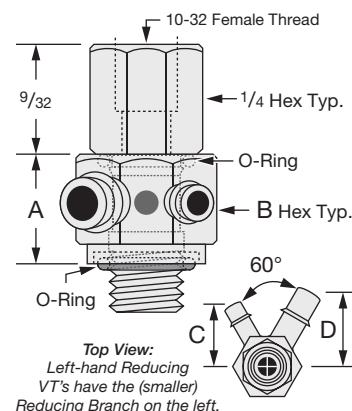
M3 and M5 Thread Bolts available! Consult factory for details!

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

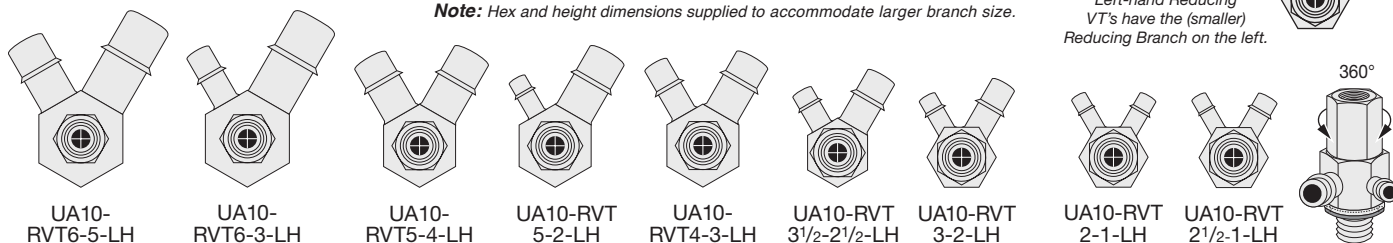
175 10-32 Universal Adjustable Left-Hand Reducing V-Tees with 10-32 Female Bolt

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/16	1	.281	5/16	25/64	25/64
5/64 / 2mm	2	.281	5/16	25/64	25/64
3/32	2 1/2	.281	5/16	25/64	25/64
1/8	3	.281	5/16	33/64	33/64
5/32 / 4mm	3 1/2	.281	5/16	33/64	33/64

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
.170	4	.360	3/8	9/16	9/16
3/16	5	.360	3/8	9/16	9/16
7/32	5 1/2	.360	7/16	19/32	19/32
6mm	5 3/4	.360	7/16	23/32	23/32
1/4	6	.360	7/16	23/32	23/32



Note: Hex and height dimensions supplied to accommodate larger branch size.



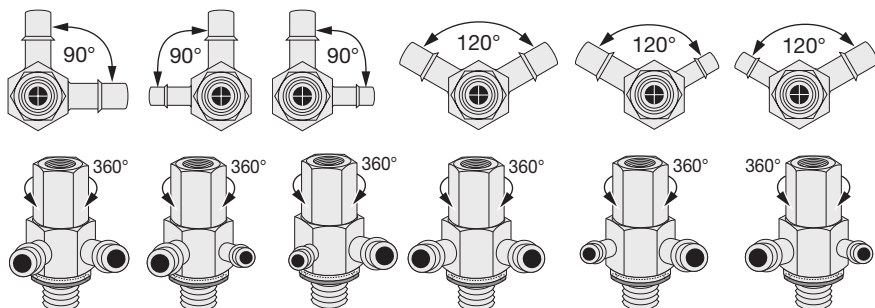
Part Numbers for 10-32 Universal Adjustable Left-Hand Reducing V-Tees with Female Thread Bolts:



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**

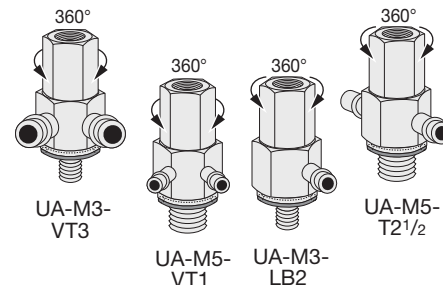
Universal Adjustable fittings are supplied with Buna-N O-Rings! Other O-Ring material options are listed on page 65!

Universal V-Tees with Female Bolts are available with 90° & 120° branches!



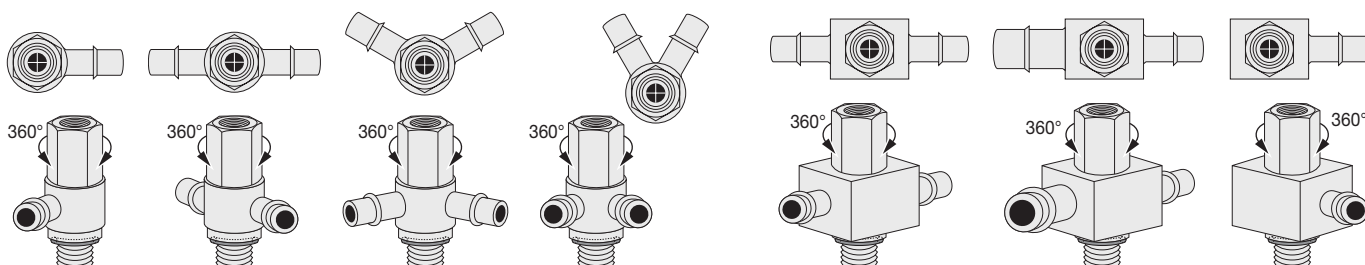
Lead times and minimum quantities apply! Consult factory for details!

M3 & M5 Thread Bolts available!



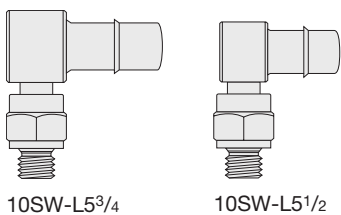
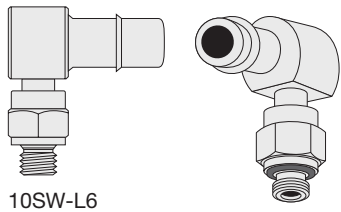
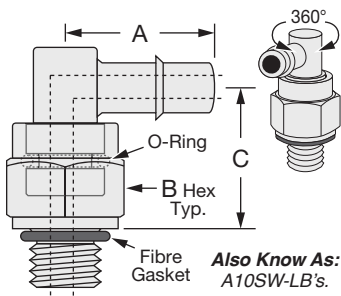
Lead times & minimum quantities apply! Consult factory for details!

10-32 Universal Fitting with Female Thread Bolts are available with Round or Square Bodies! Consult factory for details!



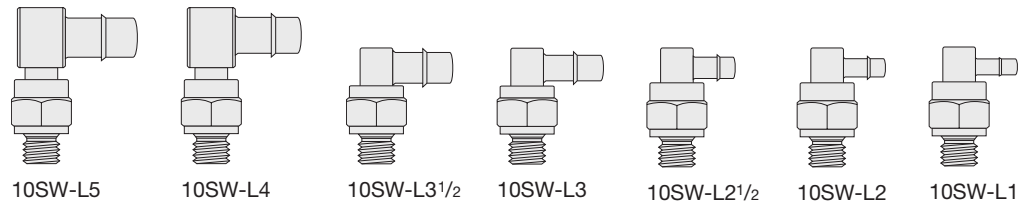
10-32 Swivel Elbows with Fibre Gasket Supplied

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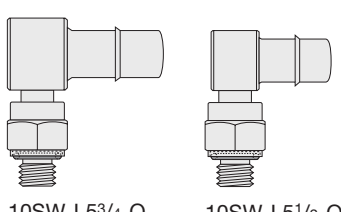
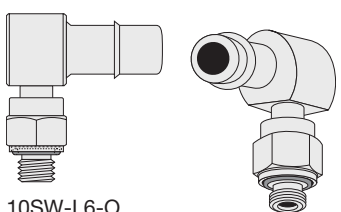
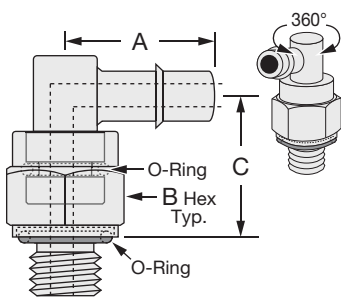
Note:
Dimensions may vary at time of manufacturing.

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-L2 1/2	10SW-L2 1/2-SS	10SW-L2 1/2-316SS	10SW-L2 1/2-NP	19/64	5/16	23/64
1/8	10SW-L3	10SW-L3-SS	10SW-L3-316SS	10SW-L3-NP	3/8	5/16	25/64
5/32 / 4mm	10SW-L3 1/2	10SW-L3 1/2-SS	10SW-L3 1/2-316SS	10SW-L3 1/2-NP	3/8	5/16	25/64
.170	10SW-L4	10SW-L4-SS	10SW-L4-316SS	10SW-L4-NP	15/32	5/16	1/2
3/16	10SW-L5	10SW-L5-SS	10SW-L5-316SS	10SW-L5-NP	1/2	5/16	.518
7/32	10SW-L5 1/2	10SW-L5 1/2-SS	10SW-L5 1/2-316SS	10SW-L5 1/2-NP	1/2	5/16	.518
6mm	10SW-L5 3/4	10SW-L5 3/4-SS	10SW-L5 3/4-316SS	10SW-L5 3/4-NP	21/32	5/16	.605
1/4	10SW-L6	10SW-L6-SS	10SW-L6-316SS	10SW-L6-NP	21/32	5/16	.605



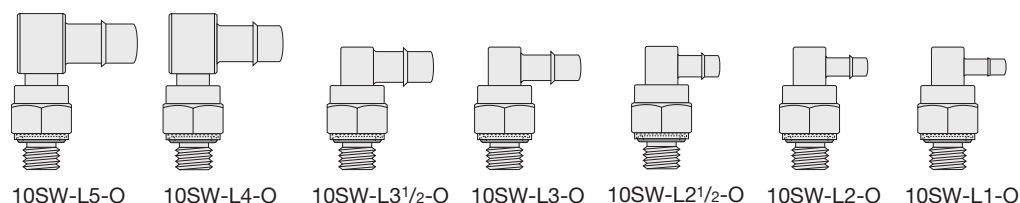
10-32 Swivel Elbows with O-Ring Seal Installed

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

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	23/64
5/64 / 2mm	10SW-L2-O	10SW-L2-O-SS	10SW-L2-O-316SS	10SW-L2-O-NP	19/64	5/16	23/64
3/32	10SW-L2 1/2-O	10SW-L2 1/2-O-SS	10SW-L2 1/2-O-316SS	10SW-L2 1/2-O-NP	19/64	5/16	23/64
1/8	10SW-L3-O	10SW-L3-O-SS	10SW-L3-O-316SS	10SW-L3-O-NP	3/8	5/16	25/64
5/32 / 4mm	10SW-L3 1/2-O	10SW-L3 1/2-O-SS	10SW-L3 1/2-O-316SS	10SW-L3 1/2-O-NP	3/8	5/16	25/64
.170	10SW-L4-O	10SW-L4-O-SS	10SW-L4-O-316SS	10SW-L4-O-NP	15/32	5/16	1/2
3/16	10SW-L5-O	10SW-L5-O-SS	10SW-L5-O-316SS	10SW-L5-O-NP	1/2	5/16	.518
7/32	10SW-L5 1/2-O	10SW-L5 1/2-O-SS	10SW-L5 1/2-O-316SS	10SW-L5 1/2-O-NP	1/2	5/16	.518
6mm	10SW-L5 3/4-O	10SW-L5 3/4-O-SS	10SW-L5 3/4-O-316SS	10SW-L5 3/4-O-NP	21/32	5/16	.605
1/4	10SW-L6-O	10SW-L6-O-SS	10SW-L6-O-316SS	10SW-L6-O-NP	21/32	5/16	.605



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

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

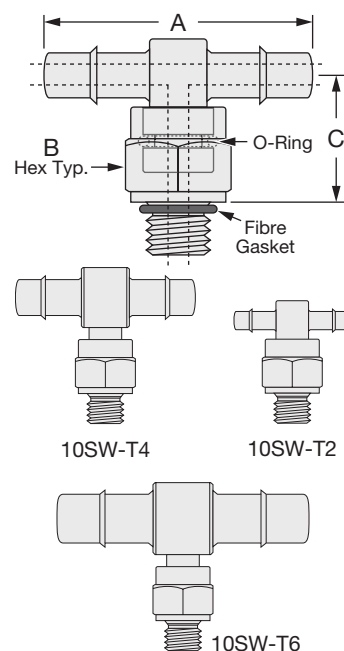
178

10-32 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	19/32	5/16	23/64
5/64 / 2mm	10SW-T2	10SW-T2-SS	10SW-T2-316SS	10SW-T2-NP	19/32	5/16	23/64
3/32	10SW-T2 1/2	10SW-T2 1/2-SS	10SW-T2 1/2-316SS	10SW-T2 1/2-NP	19/32	5/16	23/64
1/8	10SW-T3	10SW-T3-SS	10SW-T3-316SS	10SW-T3-NP	3/4	5/16	25/64
5/32 / 4mm	10SW-T3 1/2	10SW-T3 1/2-SS	10SW-T3 1/2-316SS	10SW-T3 1/2-NP	3/4	5/16	25/64
.170	10SW-T4	10SW-T4-SS	10SW-T4-316SS	10SW-T4-NP	15/16	5/16	1/2
3/16	10SW-T5	10SW-T5-SS	10SW-T5-316SS	10SW-T5-NP	1	5/16	.518
7/32	10SW-T5 1/2	10SW-T5 1/2-SS	10SW-T5 1/2-316SS	10SW-T5 1/2-NP	1	5/16	.518
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	.605
1/4	10SW-T6	10SW-T6-SS	10SW-T6-316SS	10SW-T6-NP	1 5/16	5/16	.605

10-32 Swivel Fittings now available in Stainless Steel!

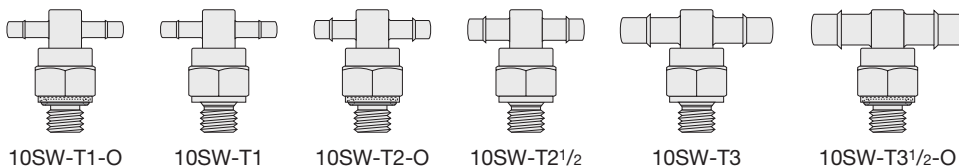
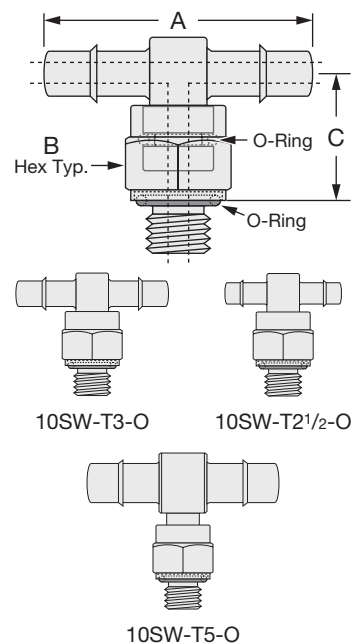
M3 & M5 Bolts available upon request!



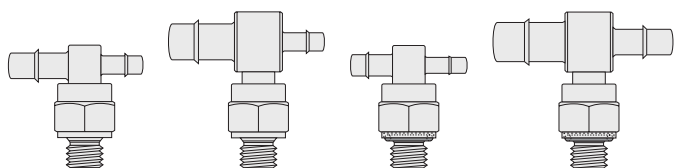
179

10-32 Swivel Tees with O-Ring Seal Installed

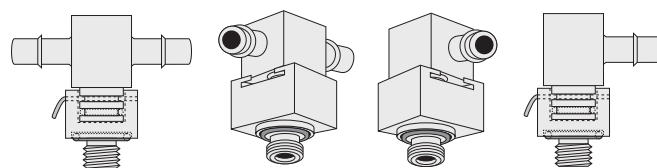
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	10SW-T1-O	10SW-T1-O-SS	10SW-T1-O-316SS	10SW-T1-O-NP	19/32	5/16	23/64
5/64 / 2mm	10SW-T2-O	10SW-T2-O-SS	10SW-T2-O-316SS	10SW-T2-O-NP	19/32	5/16	23/64
3/32	10SW-T2 1/2-O	10SW-T2 1/2-O-SS	10SW-T2 1/2-O-316SS	10SW-T2 1/2-O-NP	19/32	5/16	23/64
1/8	10SW-T3-O	10SW-T3-O-SS	10SW-T3-O-316SS	10SW-T3-O-NP	3/4	5/16	25/64
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	3/4	5/16	25/64
.170	10SW-T4-O	10SW-T4-O-SS	10SW-T4-O-316SS	10SW-T4-O-NP	15/16	5/16	1/2
3/16	10SW-T5-O	10SW-T5-O-SS	10SW-T5-O-316SS	10SW-T5-O-NP	1	5/16	.518
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	.518
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	.605
1/4	10SW-T6-O	10SW-T6-O-SS	10SW-T6-O-316SS	10SW-T6-O-NP	1 5/16	5/16	.605


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

10-32 Reducing Swivel Tees available! Consult factory for details!

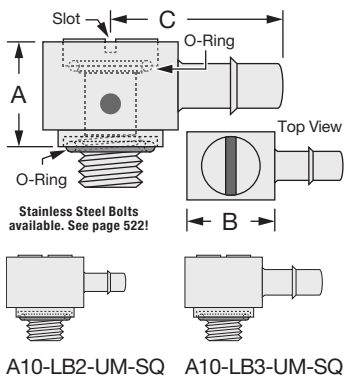


Square Body 10-32 Swivel Fittings available! See pages 506-507!



10-32 Ultra-Miniature Elbows with Square Body

180



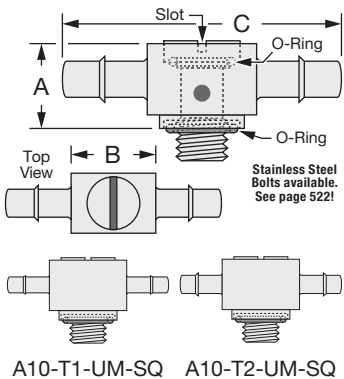
Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Ref.	C Ref.
1/16	A10-LB1-UM-SQ	A10-LB1-UM-SQ-SS	A10-LB1-UM-SQ-316SS	A10-LB1-UM-SQ-AL	A10-LB1-UM-SQ-NP	5/16	.403	.420
5/64 / 2mm	A10-LB2-UM-SQ	A10-LB2-UM-SQ-SS	A10-LB2-UM-SQ-316SS	A10-LB2-UM-SQ-AL	A10-LB2-UM-SQ-NP	5/16	.403	.420
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-AL	A10-LB2 1/2-UM-SQ-NP	5/16	.403	.420
1/8	A10-LB3-UM-SQ	A10-LB3-UM-SQ-SS	A10-LB3-UM-SQ-316SS	A10-LB3-UM-SQ-AL	A10-LB3-UM-SQ-NP	5/16	.403	.514
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-AL	A10-LB3 1/2-UM-SQ-NP	5/16	.403	.514
.170	A10-LB4-UM-SQ	A10-LB4-UM-SQ-SS	A10-LB4-UM-SQ-316SS	A10-LB4-UM-SQ-AL	A10-LB4-UM-SQ-NP	5/16	.403	.545

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

Anodized Aluminum options available! See page 488!

10-32 Ultra-Miniature Tees with Square Body

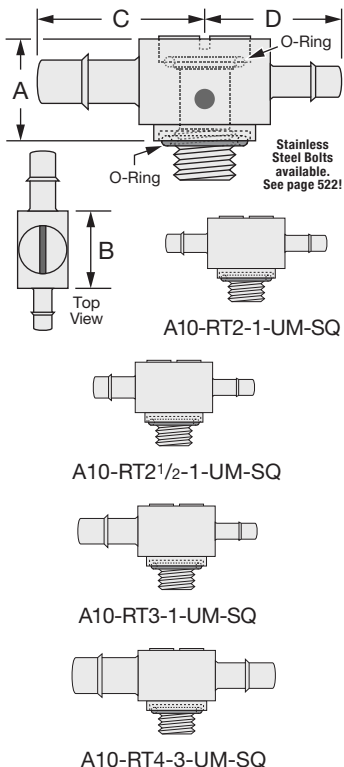
181



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	.403	.840
5/64 / 2mm	A10-T2-UM-SQ	A10-T2-UM-SQ-SS	A10-T2-UM-SQ-316SS	A10-T2-UM-SQ-NP	5/16	.403	.840
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	.403	.840
1/8	A10-T3-UM-SQ	A10-T3-UM-SQ-SS	A10-T3-UM-SQ-316SS	A10-T3-UM-SQ-NP	5/16	.403	1.028
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	.403	1.028
.170	A10-T4-UM-SQ	A10-T4-UM-SQ-SS	A10-T4-UM-SQ-316SS	A10-T4-UM-SQ-NP	5/16	.403	1.090

10-32 Ultra-Miniature Reducing Tees with Square Body

182



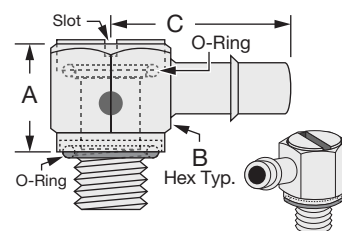
Tube ID		Part Numbers				Dimensions (Reference)			
Larger Branch	Smaller Branch	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Ref.	C Ref.	D Ref.
5/64 / 2mm	1/16	A10-RT2-1-UM-SQ	A10-RT2-1-UM-SQ-SS	A10-RT2-1-UM-SQ-316SS	A10-RT2-1-UM-SQ-NP	5/16	.403	.420	.420
3/32	1/16	A10-RT2 1/2-1-UM-SQ	A10-RT2 1/2-1-UM-SQ-SS	A10-RT2 1/2-1-UM-SQ-316SS	A10-RT2 1/2-1-UM-SQ-NP	5/16	.403	.420	.420
3/32	5/64 / 2mm	A10-RT2 1/2-2-UM-SQ	A10-RT2 1/2-2-UM-SQ-SS	A10-RT2 1/2-2-UM-SQ-316SS	A10-RT2 1/2-2-UM-SQ-NP	5/16	.403	.420	.420
1/8	1/16	A10-RT3-1-UM-SQ	A10-RT3-1-UM-SQ-SS	A10-RT3-1-UM-SQ-316SS	A10-RT3-1-UM-SQ-NP	5/16	.403	.514	.420
1/8	5/64 / 2mm	A10-RT3-2-UM-SQ	A10-RT3-2-UM-SQ-SS	A10-RT3-2-UM-SQ-316SS	A10-RT3-2-UM-SQ-NP	5/16	.403	.514	.420
1/8	3/32	A10-RT3-2 1/2-UM-SQ	A10-RT3-2 1/2-UM-SQ-SS	A10-RT3-2 1/2-UM-SQ-316SS	A10-RT3-2 1/2-UM-SQ-NP	5/16	.403	.514	.420
5/32 / 4mm	1/16	A10-RT3 1/2-1-UM-SQ	A10-RT3 1/2-1-UM-SQ-SS	A10-RT3 1/2-1-UM-SQ-316SS	A10-RT3 1/2-1-UM-SQ-NP	5/16	.403	.514	.420
5/32 / 4mm	5/64 / 2mm	A10-RT3 1/2-2-UM-SQ	A10-RT3 1/2-2-UM-SQ-SS	A10-RT3 1/2-2-UM-SQ-316SS	A10-RT3 1/2-2-UM-SQ-NP	5/16	.403	.514	.420
5/32 / 4mm	3/32	A10-RT3 1/2-2 1/2-UM-SQ	A10-RT3 1/2-2 1/2-UM-SQ-SS	A10-RT3 1/2-2 1/2-UM-SQ-316SS	A10-RT3 1/2-2 1/2-UM-SQ-NP	5/16	.403	.514	.420
5/32 / 4mm	1/8	A10-RT3 1/2-3-UM-SQ	A10-RT3 1/2-3-UM-SQ-SS	A10-RT3 1/2-3-UM-SQ-316SS	A10-RT3 1/2-3-UM-SQ-NP	5/16	.403	.514	.514
.170	1/16	A10-RT4-1-UM-SQ	A10-RT4-1-UM-SQ-SS	A10-RT4-1-UM-SQ-316SS	A10-RT4-1-UM-SQ-NP	5/16	.403	.545	.420
.170	5/64 / 2mm	A10-RT4-2-UM-SQ	A10-RT4-2-UM-SQ-SS	A10-RT4-2-UM-SQ-316SS	A10-RT4-2-UM-SQ-NP	5/16	.403	.545	.420
.170	3/32	A10-RT4-2 1/2-UM-SQ	A10-RT4-2 1/2-UM-SQ-SS	A10-RT4-2 1/2-UM-SQ-316SS	A10-RT4-2 1/2-UM-SQ-NP	5/16	.403	.545	.420
.170	1/8	A10-RT4-3-UM-SQ	A10-RT4-3-UM-SQ-SS	A10-RT4-3-UM-SQ-316SS	A10-RT4-3-UM-SQ-NP	5/16	.403	.545	.514
.170	5/32 / 4mm	A10-RT4-3 1/2-UM-SQ	A10-RT4-3 1/2-UM-SQ-SS	A10-RT4-3 1/2-UM-SQ-316SS	A10-RT4-3 1/2-UM-SQ-NP	5/16	.403	.545	.514

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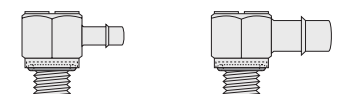
10-32 Ultra-Miniature Elbows with Hex Body

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	A10-LB1-UM	A10-LB1-UM-SS	A10-LB1-UM-316SS	A10-LB1-UM-AL	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-AL	A10-LB2-UM-NP	9/32	5/16	3/8
3/32	A10-LB2 1/2-UM	A10-LB2 1/2-UM-SS	A10-LB2 1/2-UM-316SS	A10-LB2 1/2-UM-AL	A10-LB2 1/2-UM-NP	9/32	5/16	3/8
1/8	A10-LB3-UM	A10-LB3-UM-SS	A10-LB3-UM-316SS	A10-LB3-UM-AL	A10-LB3-UM-NP	9/32	5/16	15/32
5/32 / 4mm	A10-LB3 1/2-UM	A10-LB3 1/2-UM-SS	A10-LB3 1/2-UM-316SS	A10-LB3 1/2-UM-AL	A10-LB3 1/2-UM-NP	9/32	5/16	15/32

Anodized Aluminum options available! Lead times and minimum quantities apply! See page 488!



Stainless Steel Bolts available. See page 522!



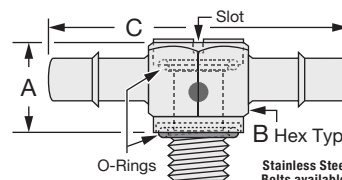
A10-LB2-UM

A10-LB3 1/2-UM

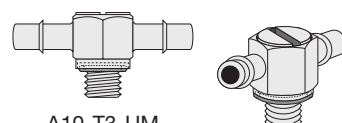
184

10-32 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	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-T2 1/2-UM	A10-T2 1/2-UM-SS	A10-T2 1/2-UM-316SS	A10-T2 1/2-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-T3 1/2-UM	A10-T3 1/2-UM-SS	A10-T3 1/2-UM-316SS	A10-T3 1/2-UM-NP	9/32	5/16	15/16



Stainless Steel Bolts available. See page 522!

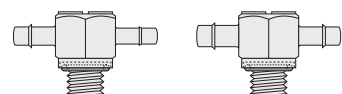
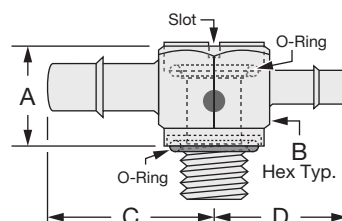


A10-T3-UM

185

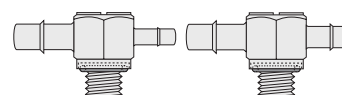
10-32 Ultra-Miniature Reducing Tees with Hex Body

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	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-RT2 1/2-1-UM	A10-RT2 1/2-1-UM-SS	A10-RT2 1/2-1-UM-316SS	A10-RT2 1/2-1-UM-NP	9/32	5/16	3/8	3/8
3/32	5/64 / 2mm	A10-RT2 1/2-2-UM	A10-RT2 1/2-2-UM-SS	A10-RT2 1/2-2-UM-316SS	A10-RT2 1/2-2-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-RT3-2 1/2-UM	A10-RT3-2 1/2-UM-SS	A10-RT3-2 1/2-UM-316SS	A10-RT3-2 1/2-UM-NP	9/32	5/16	15/32	3/8
5/32 / 4mm	1/16	A10-RT3 1/2-1-UM	A10-RT3 1/2-1-UM-SS	A10-RT3 1/2-1-UM-316SS	A10-RT3 1/2-1-UM-NP	9/32	5/16	15/32	3/8
5/32 / 4mm	5/64 / 2mm	A10-RT3 1/2-2-UM	A10-RT3 1/2-2-UM-SS	A10-RT3 1/2-2-UM-316SS	A10-RT3 1/2-2-UM-NP	9/32	5/16	15/32	3/8
5/32 / 4mm	3/32	A10-RT3 1/2-2 1/2-UM	A10-RT3 1/2-2 1/2-UM-SS	A10-RT3 1/2-2 1/2-UM-316SS	A10-RT3 1/2-2 1/2-UM-NP	9/32	5/16	15/32	3/8
5/32 / 4mm	1/8	A10-RT3 1/2-3-UM	A10-RT3 1/2-3-UM-SS	A10-RT3 1/2-3-UM-316SS	A10-RT3 1/2-3-UM-NP	9/32	5/16	15/32	15/32



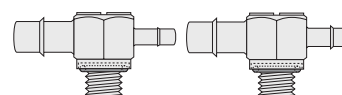
A10-RT2-1-UM

A10-RT2 1/2-2-UM



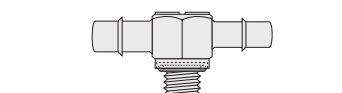
A10-RT3-1-UM

A10-RT3-2 1/2-UM



A10-RT3 1/2-1-UM

A10-RT3 1/2-2-UM



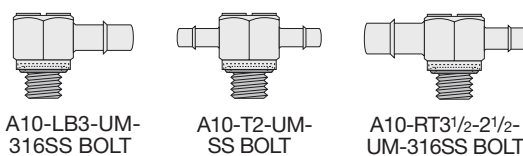
A10-RT3 1/2-3-UM

Nano Adjustable Elbows available!



Consult factory & see page 521!

Stainless Steel Bolts available! See page 522!



A10-LB3-UM-316SS BOLT

A10-T2-UM-SS BOLT

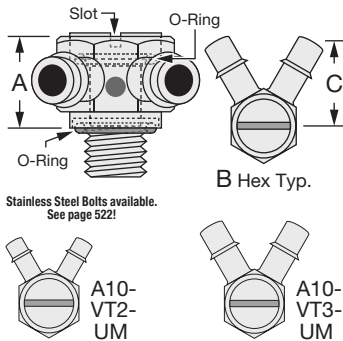
A10-RT3 1/2-2 1/2-UM-316SS BOLT

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

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

10-32 Ultra-Miniature V-Tees with Hex Body

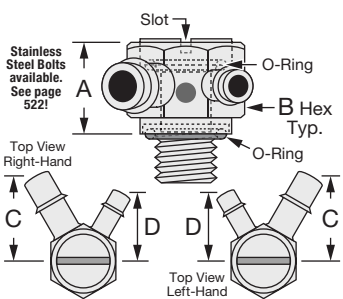
186



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

10-32 Ultra-Miniature Reducing V-Tees with Hex Body

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Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Dia.	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 Dia.	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

O-Ring material options listed on page 65!

Top View: Right-handed Reducing VT's have the (smaller) Reducing Branch on the right.
Left-handed Reducing VT's have the (smaller) Reducing Branch on the left.

Note: Dimensions may vary at time of manufacturing.

Part Numbers for 10-32 Ultra-Miniature Reducing Right-Hand V-Tees with Hex Bodies:



Part Numbers for 10-32 Ultra-Miniature Reducing Left-Hand V-Tees with Hex Bodies:

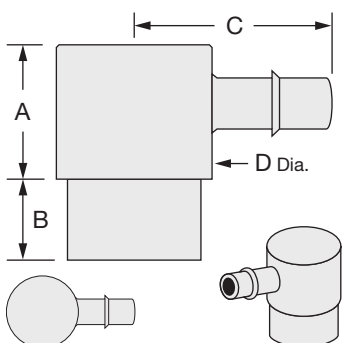


Unless otherwise specified, parts will be Brass. To order other materials, please add the following codes to the part number:
 -SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

Un-Threaded Press Fit

Un-Threaded Press Fit 90° Elbows

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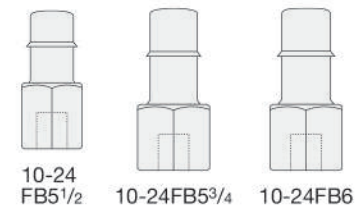
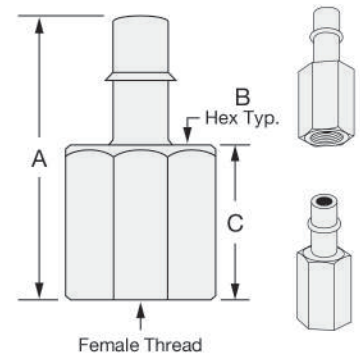


Tube ID	Press in Dimension	Part Numbers	Dimensions (Reference)			
		Brass	A Ref.	B Ref.	C Ref.	D Ref.
1/16	Consult Factory	LB1-PF	1/4	3/16	11/32	1/4
5/64 / 2mm	Consult Factory	LB2-PF	1/4	3/16	11/32	1/4
3/32	Consult Factory	LB2 ¹ / ₂ -PF	1/4	3/16	11/32	1/4
1/8	Consult Factory	LB3-PF	1/4	3/16	7/16	1/4
5/32 / 4mm	Consult Factory	LB3 ¹ / ₂ -PF	1/4	3/16	7/16	1/4

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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	1 1/16	1/4	1 1/32
5/64 / 2mm	10-24FB2	10-24FB2-SS	10-24FB2-316SS	10-24FB2-AL	10-24FB2-NP	1 1/16	1/4	1 1/32
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	1 1/16	1/4	1 1/32
1/8	10-24FB3	10-24FB3-SS	10-24FB3-316SS	10-24FB3-AL	10-24FB3-NP	2 1/32	1/4	1 1/32
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	2 1/32	1/4	1 1/32
.170	10-24FB4	10-24FB4-SS	10-24FB4-316SS	10-24FB4-AL	10-24FB4-NP	2 1/32	1/4	1 1/32
3/16	10-24FB5	10-24FB5-SS	10-24FB5-316SS	10-24FB5-AL	10-24FB5-NP	2 3/32	5/16	1 1/32
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	2 3/32	5/16	1 1/32
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	2 7/32	3/8	1 1/32
1/4	10-24FB6	10-24FB6-SS	10-24FB6-316SS	10-24FB6-AL	10-24FB6-NP	2 7/32	3/8	1 1/32



E

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

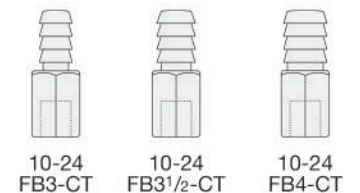
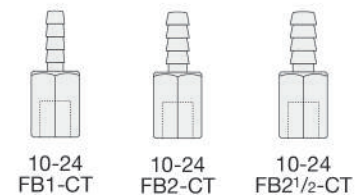
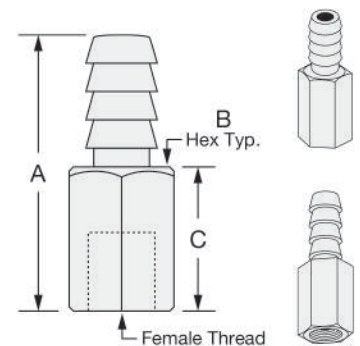


10-24FB5

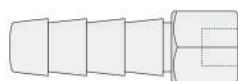
190

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	.659	1/4	1 1/32
5/64 / 2mm	10-24FB2-CT	10-24FB2-CT-SS	10-24FB2-CT-316SS	10-24FB2-CT-AL	10-24FB2-CT-NP	.659	1/4	1 1/32
3/32	10-24FB2 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	.659	1/4	1 1/32
1/8	10-24FB3-CT	10-24FB3-CT-SS	10-24FB3-CT-316SS	10-24FB3-CT-AL	10-24FB3-CT-NP	.659	1/4	1 1/32
5/32 / 4mm	10-24FB3 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	.659	1/4	1 1/32
.170	10-24FB4-CT	10-24FB4-CT-SS	10-24FB4-CT-316SS	10-24FB4-CT-AL	10-24FB4-CT-NP	.659	1/4	1 1/32
3/16	10-24FB5-CT	10-24FB5-CT-SS	10-24FB5-CT-316SS	10-24FB5-CT-AL	10-24FB5-CT-NP	1 3/16	5/16	1 1/32
7/32	10-24FB5 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 3/16	5/16	1 1/32
6mm	10-24FB5 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 3/16	3/8	1 1/32
1/4	10-24FB6-CT	10-24FB6-CT-SS	10-24FB6-CT-316SS	10-24FB6-CT-AL	10-24FB6-CT-NP	1 3/16	3/8	1 1/32
5/16 / 8mm	10-24FB7-CT	10-24FB7-CT-SS	10-24FB7-CT-316SS	10-24FB7-CT-AL	10-24FB7-CT-NP	1 3/16	3/8	1 1/32



10-24FB7-CT



10-24FB6-CT



10-24FB5 1/2-CT



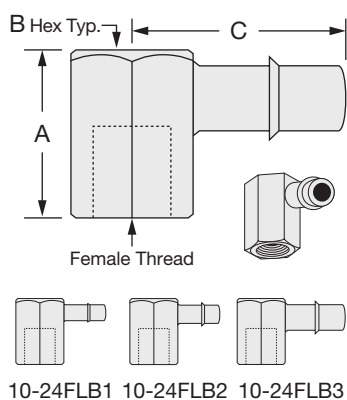
10-24FB5-CT

Other Multi-Barb Fittings available! Thread sizes & Tube ID's up to 2 inches!

Peek® fittings available upon rest!

10-24 Female Threaded Elbows

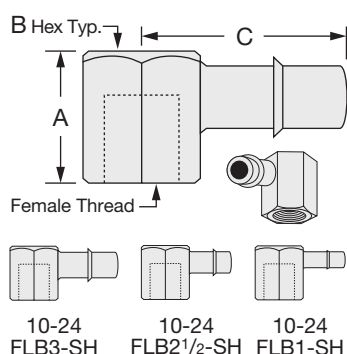
191



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	1 1/32	1/4	1 1/32
5/64 / 2mm	10-24FLB2	10-24FLB2-SS	10-24FLB2-316SS	10-24FLB2-NP	1 1/32	1/4	1 1/32
3/32	10-24FLB2 1/2	10-24FLB2 1/2-SS	10-24FLB2 1/2-316SS	10-24FLB2 1/2-NP	1 1/32	1/4	1 1/32
1/8	10-24FLB3	10-24FLB3-SS	10-24FLB3-316SS	10-24FLB3-NP	1 1/32	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	1 1/32	1/4	7/16
.170	10-24FLB4	10-24FLB4-SS	10-24FLB4-316SS	10-24FLB4-NP	1 1/32	1/4	15/32

10-24 Female Threaded Elbows with Short Bodies

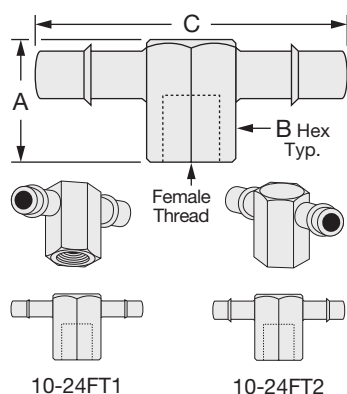
192



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	1 1/32
5/64 / 2mm	10-24FLB2-SH	10-24FLB2-SH-SS	10-24FLB2-SH-316SS	10-24FLB2-SH-NP	9/32	1/4	1 1/32
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	1 1/32
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 Threaded Tees

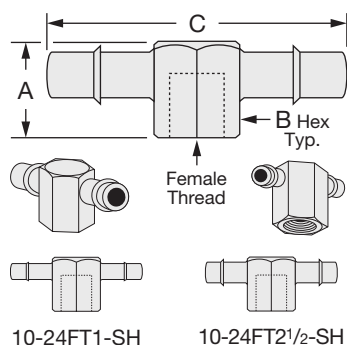
193



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	1 1/32	1/4	1 1/16
5/64 / 2mm	10-24FT2	10-24FT2-SS	10-24FT2-316SS	10-24FT2-NP	1 1/32	1/4	1 1/16
3/32	10-24FT2 1/2	10-24FT2 1/2-SS	10-24FT2 1/2-316SS	10-24FT2 1/2-NP	1 1/32	1/4	1 1/16
1/8	10-24FT3	10-24FT3-SS	10-24FT3-316SS	10-24FT3-NP	1 1/32	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	1 1/32	1/4	7/8
.170	10-24FT4	10-24FT4-SS	10-24FT4-316SS	10-24FT4-NP	1 1/32	1/4	15/16

10-24 Female Threaded 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	1 1/32
5/64 / 2mm	10-24FT2-SH	10-24FT2-SH-SS	10-24FT2-SH-316SS	10-24FT2-SH-NP	9/32	1/4	1 1/32
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	1 1/32
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

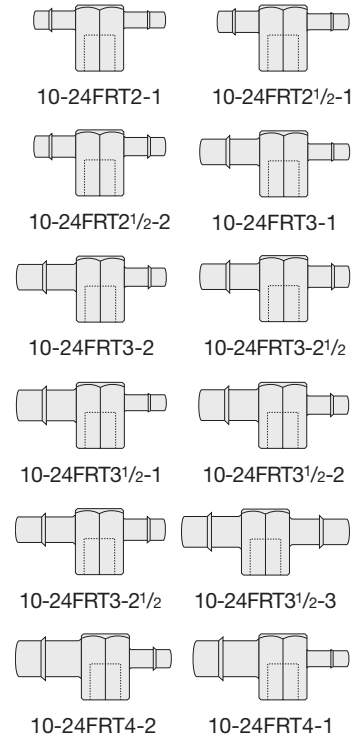
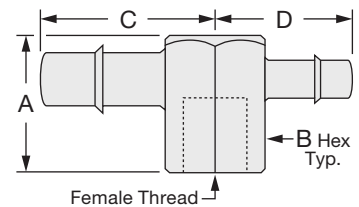
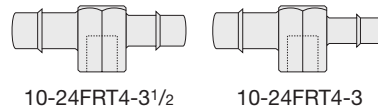
10-24 Female Threaded Reducing Tees

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!

10-24FT.040 10-24FRT.050-.031

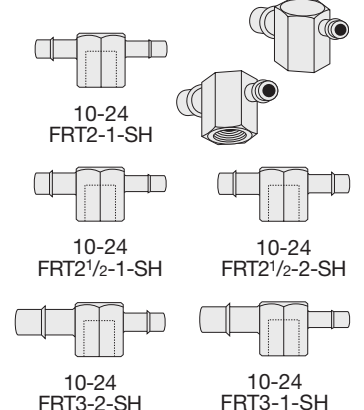
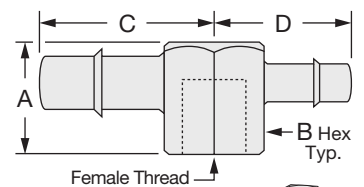
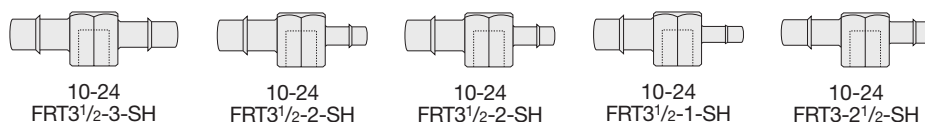
Consult factory for details!



196

10-24 Female Threaded Reducing Tees with Short Bodies

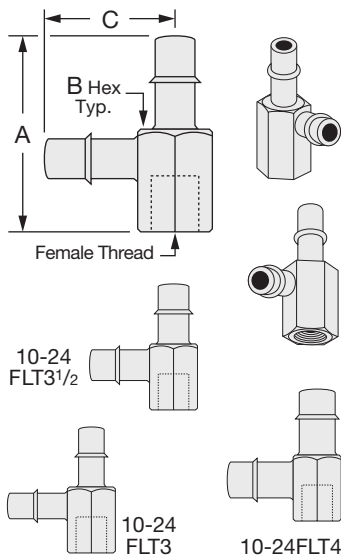
Tube ID		Part Numbers				Dimensions (Reference)			
Larger Branch	Smaller Branch	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
5/64/2mm	1/16	10-24FRT2-1-SH	10-24FRT2-1-SH-SS	10-24FRT2-1-SH-316SS	10-24FRT2-1-SH-NP	9/32	1/4	11/32	11/32
3/32	1/16	10-24FRT 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!

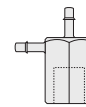
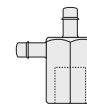
10-24 Female Threaded L-Tees

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	1 1/32
5/64 / 2mm	10-24FLT2	10-24FLT2-SS	10-24FLT2-316SS	10-24FLT2-NP	9/16	1/4	1 1/32
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	1 1/32
1/8	10-24FLT3	10-24FLT3-SS	10-24FLT3-316SS	10-24FLT3-NP	2 1/32	1/4	1 1/32
5/32 / 4mm	10-24FLT3 1/2	10-24FLT3 1/2-SS	10-24FLT3 1/2-316SS	10-24FLT3 1/2-NP	2 1/32	1/4	1 1/32
.170	10-24FLT4	10-24FLT4-SS	10-24FLT4-316SS	10-24FLT4-NP	1 1/16	1/4	15/32

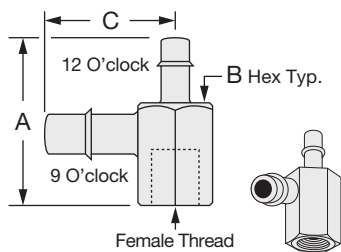
Smaller Tube ID's available!


10-24
FLT
.040

10-24
FLT
.050

Consult factory for details!

10-24 Female Threaded Reducing L-Tees

198



Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/16	1	9/16	1/4	1 1/32
5/64 / 2mm	2	9/16	1/4	1 1/32
3/32	2 1/2	9/16	1/4	1 1/32

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

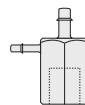
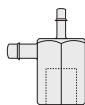
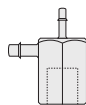
To order other materials, please add the following codes to the end of the part number:

-SS = Stainless Steel 303

-316SS = Stainless Steel 316

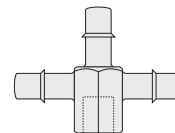
-NP = Electroless Nickel Plate

Smaller Tube ID's available!

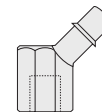

10-24FRLT
.031-.045

10-24FRLT
.050-.040

10-24FRLT
.045-.031

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

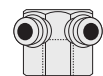
Other female fittings available!



Tee x 3



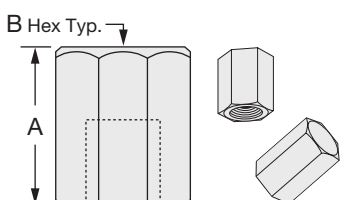
45° Elbows



V-Tee

10-24 Female Caps

199

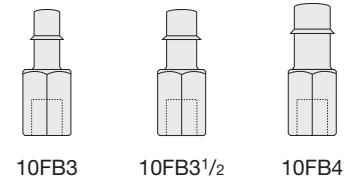
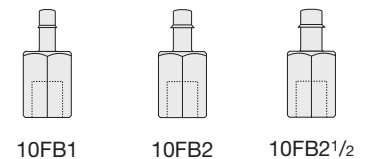
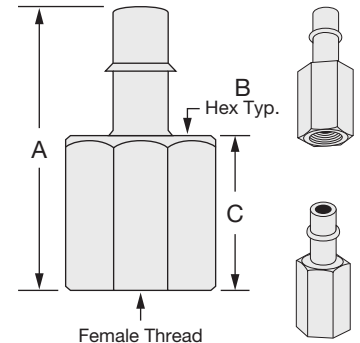


Body Style	Part Numbers					Dimensions (Reference)	
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.
Regular	10-24-CAP	10-24-CAP-SS	10-24-CAP-316SS	10-24-CAP-AL	10-24-CAP-NP	1 1/32	1/4
Short	10-24-CAP-SH	10-24-CAP-SH-SS	10-24-CAP-SH-316SS	10-24-CAP-SH-AL	10-24-CAP-SH-NP	9/32	1/4

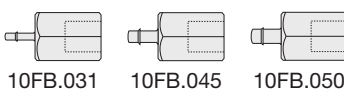
200

10-32 Female Thread to Tube

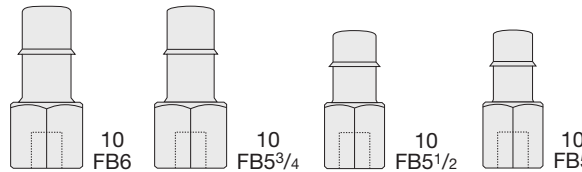
Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	10FB1	10FB1-SS	10FB1-316SS	10FB1-AL	10FB1-NP	9/16	1/4	1 1/32
5/64 / 2mm	10FB2	10FB2-SS	10FB2-316SS	10FB2-AL	10FB2-NP	9/16	1/4	1 1/32
3/32	10FB2 1/2	10FB2 1/2-SS	10FB2 1/2-316SS	10FB2 1/2-AL	10FB2 1/2-NP	9/16	1/4	1 1/32
1/8	10FB3	10FB3-SS	10FB3-316SS	10FB3-AL	10FB3-NP	21/32	1/4	1 1/32
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	1 1/32
.170	10FB4	10FB4-SS	10FB4-316SS	10FB4-AL	10FB4-NP	21/32	1/4	1 1/32
3/16	10FB5	10FB5-SS	10FB5-316SS	10FB5-AL	10FB5-NP	23/32	5/16	1 1/32
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	1 1/32
6mm	10FB5 3/4	10FB5 3/4-SS	10FB5 3/4-316SS	10FB5 3/4-AL	10FB5 3/4-NP	27/32	3/8	1 1/32
1/4	10FB6	10FB6-SS	10FB6-316SS	10FB6-AL	10FB6-NP	27/32	3/8	1 1/32



Smaller branch sizes available!



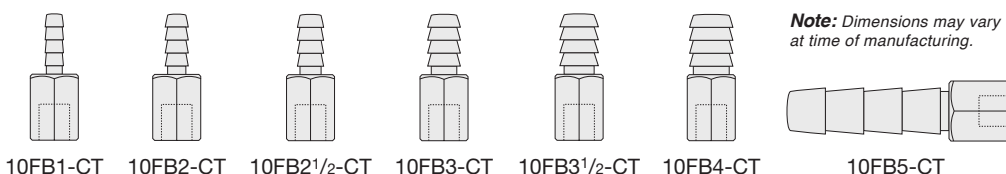
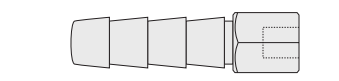
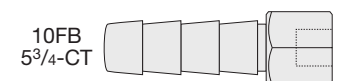
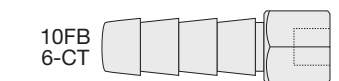
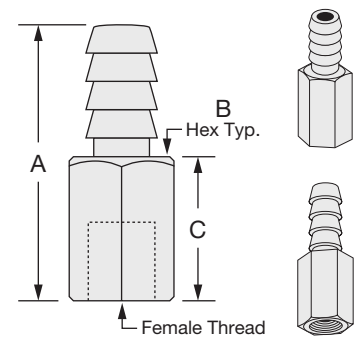
Consult factory for details!



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	.659	1/4	1 1/32
5/64 / 2mm	10FB2-CT	10FB2-CT-SS	10FB2-CT-316SS	10FB2-CT-AL	10FB2-CT-NP	.659	1/4	1 1/32
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	.659	1/4	1 1/32
1/8	10FB3-CT	10FB3-CT-SS	10FB3-CT-316SS	10FB3-CT-AL	10FB3-CT-NP	.659	1/4	1 1/32
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	.659	1/4	1 1/32
.170	10FB4-CT	10FB4-CT-SS	10FB4-CT-316SS	10FB4-CT-AL	10FB4-CT-NP	.659	1/4	1 1/32
3/16	10FB5-CT	10FB5-CT-SS	10FB5-CT-316SS	10FB5-CT-AL	10FB5-CT-NP	13/16	5/16	1 1/32
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	13/16	5/16	1 1/32
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	13/16	3/8	1 1/32
1/4	10FB6-CT	10FB6-CT-SS	10FB6-CT-316SS	10FB6-CT-AL	10FB6-CT-NP	13/16	3/8	1 1/32
5/16 / 8mm	10FB7-CT	10FB7-CT-SS	10FB7-CT-316SS	10FB7-CT-AL	10FB7-CT-NP	13/16	3/8	1 1/32



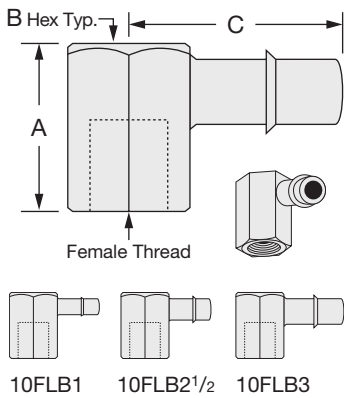
Note: Dimensions may vary at time of manufacturing.

Multi-Barb fittings available with thread sizes & tube ID's up to 2 inches!

Peek® fittings available upon request!

10-32 Female Threaded Elbows

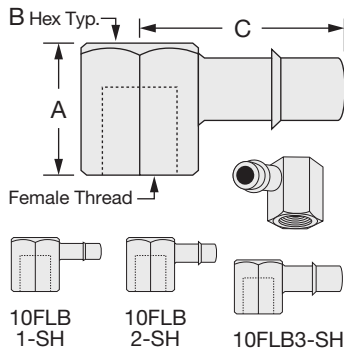
202



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	1 1/32	1/4	1 1/32
5/64/2mm	10FLB2	10FLB2-SS	10FLB2-316SS	10FLB2-NP	1 1/32	1/4	1 1/32
3/32	10FLB2 1/2	10FLB2 1/2-SS	10FLB2 1/2-316SS	10FLB2 1/2-NP	1 1/32	1/4	1 1/32
1/8	10FLB3	10FLB3-SS	10FLB3-316SS	10FLB3-NP	1 1/32	1/4	7/16
5/32/4mm	10FLB3 1/2	10FLB3 1/2-SS	10FLB3 1/2-316SS	10FLB3 1/2-NP	1 1/32	1/4	7/16
.170	10FLB4	10FLB4-SS	10FLB4-316SS	10FLB4-NP	1 1/32	1/4	15/32

10-32 Female Threaded Elbows with Short Bodies

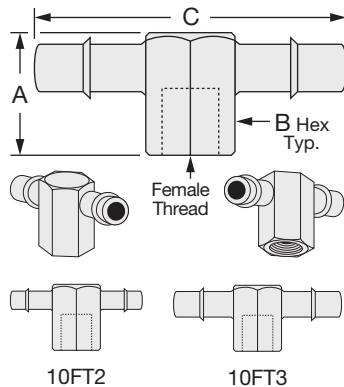
203



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	1 1/32
5/64/2mm	10FLB2-SH	10FLB2-SH-SS	10FLB2-SH-316SS	10FLB2-SH-NP	9/32	1/4	1 1/32
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	1 1/32
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 Threaded Tees

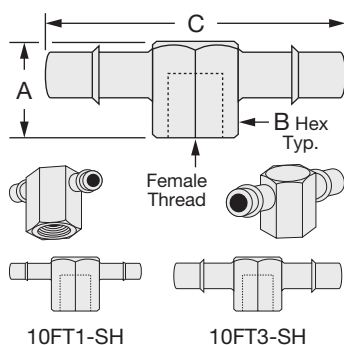
204



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	1 1/32	1/4	1 1/16
5/64/2mm	10FT2	10FT2-SS	10FT2-316SS	10FT2-NP	1 1/32	1/4	1 1/16
3/32	10FT2 1/2	10FT2 1/2-SS	10FT2 1/2-316SS	10FT2 1/2-NP	1 1/32	1/4	1 1/16
1/8	10FT3	10FT3-SS	10FT3-316SS	10FT3-NP	1 1/32	1/4	7/8
5/32/4mm	10FT3 1/2	10FT3 1/2-SS	10FT3 1/2-316SS	10FT3 1/2-NP	1 1/32	1/4	7/8
.170	10FT4	10FT4-SS	10FT4-316SS	10FT4-NP	1 1/32	1/4	15/16

10-32 Female Threaded Tees with Short Bodies

205

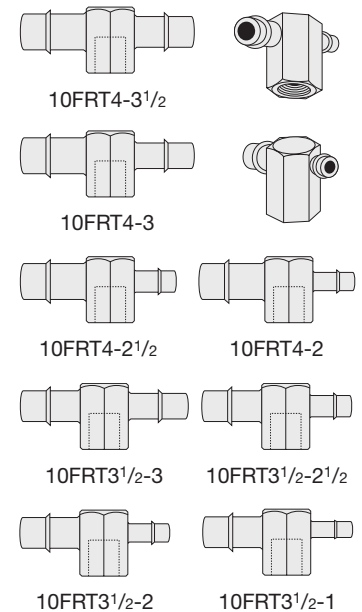
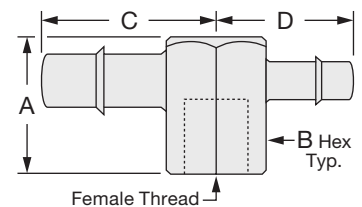
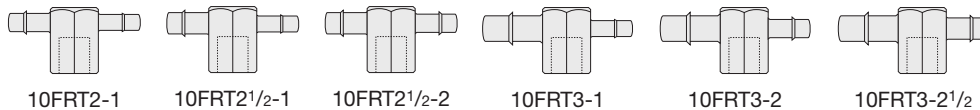


Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	10FT1-SH	10FT1-SH-SS	10FT1-SH-316SS	10FT1-SH-NP	9/32	1/4	1 1/32
5/64/2mm	10FT2-SH	10FT2-SH-SS	10FT2-SH-316SS	10FT2-SH-NP	9/32	1/4	1 1/32
3/32	10FT2 1/2-SH	10FT2 1/2-SH-SS	10FT2 1/2-SH-316SS	10FT2 1/2-SH-NP	9/32	1/4	1 1/32
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 Threaded 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

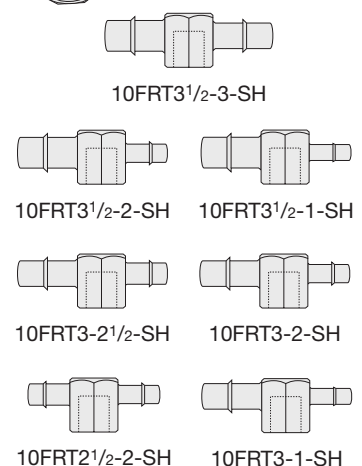
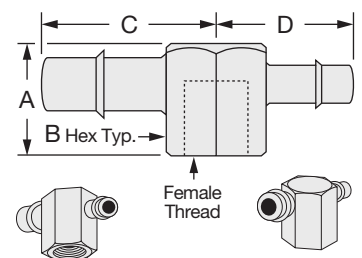


Smaller branch sizes available!
Consult factory for details!

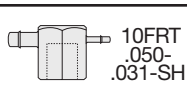
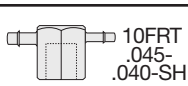
207

10-32 Female Threaded Reducing Tees with Short Bodies

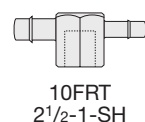
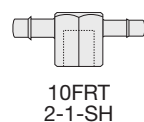
Tube ID		Part Numbers				Dimensions (Reference)			
Larger Branch	Smaller Branch	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
5/64/2mm	1/16	10FRT2-1-SH	10FRT2-1-SH-SS	10FRT2-1-SH-316SS	10FRT2-1-SH-NP	9/32	1/4	11/32	11/32
3/32	1/16	10FRT2 ¹ / ₂ -1-SH	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!

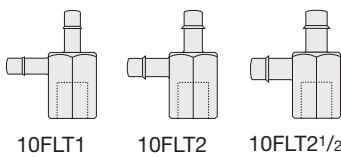
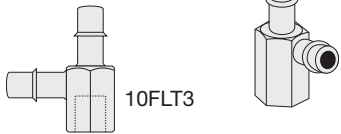
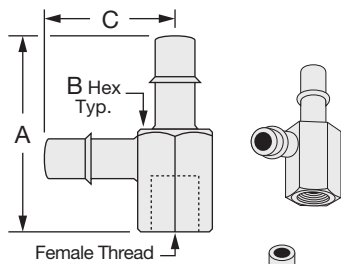


Consult
factory for
details!



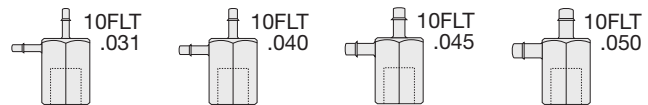
10-32 Female Threaded L-Tees

208



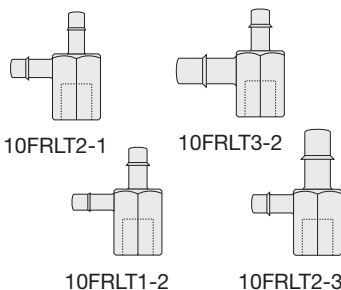
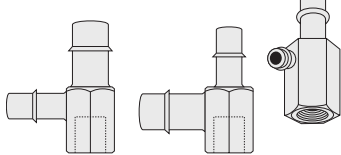
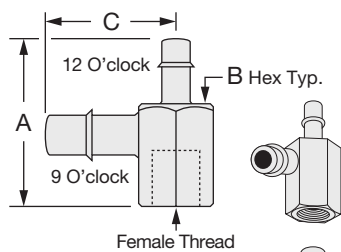
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	10FLT1	10FLT1-SS	10FLT1-316SS	10FLT1-NP	9/32	1/4	1 1/32
5/64 / 2mm	10FLT2	10FLT2-SS	10FLT2-316SS	10FLT2-NP	9/32	1/4	1 1/32
3/32	10FLT2 1/2	10FLT2 1/2-SS	10FLT2 1/2-316SS	10FLT2 1/2-NP	9/32	1/4	1 1/32
1/8	10FLT3	10FLT3-SS	10FLT3-316SS	10FLT3-NP	2 1/32	1/4	1 1/32
5/32 / 4mm	10FLT3 1/2	10FLT3 1/2-SS	10FLT3 1/2-316SS	10FLT3 1/2-NP	2 1/32	1/4	1 1/32
.170	10FLT4	10FLT4-SS	10FLT4-316SS	10FLT4-NP	2 1/32	1/4	1 1/32

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



10-32 Female Threaded Reducing L-Tees

209



Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/16	1	9/16	1/4	1 1/32
5/64 / 2mm	2	9/16	1/4	1 1/32
3/32	2 1/2	9/16	1/4	1 1/32

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

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

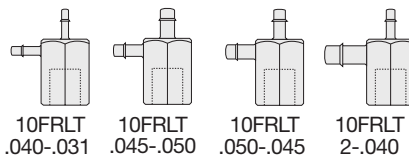
Thread Size	10	FRLT	#	-	#	12 O'clock Branch #
		Fitting Series			9 O'clock Branch #	

Unless otherwise specified, parts will be Brass.

To order other materials, please add the following codes to the end of the part number:

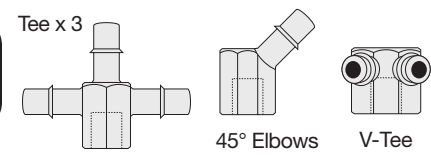
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

Smaller Branches/Tube ID's available!



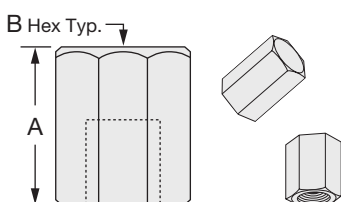
Consult factory for details!

Other 10-32 female fittings available!



10-32 Female Caps

210

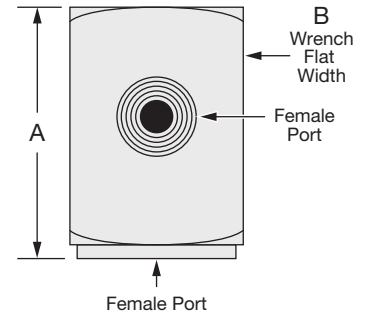


Body Style	Part Numbers					Dimensions (Reference)	
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.
Regular	10-CAP	10-CAP-SS	10-CAP-316SS	10-CAP-AL	10-CAP-NP	1 1/32	1/4
Short	10-CAP-SH	10-CAP-SH-SS	10-CAP-SH-316SS	10-CAP-SH-AL	10-CAP-SH-NP	9/32	1/4

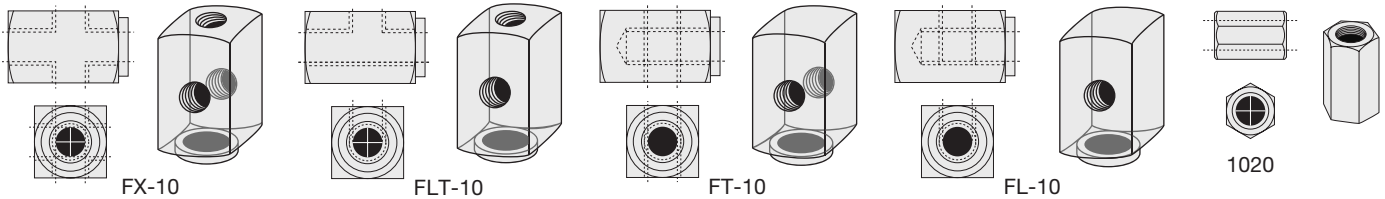
211

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



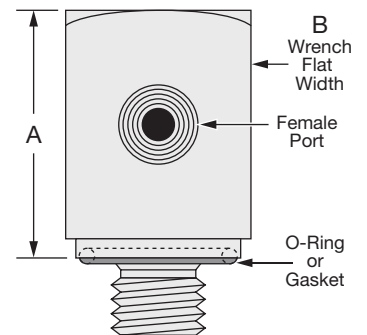
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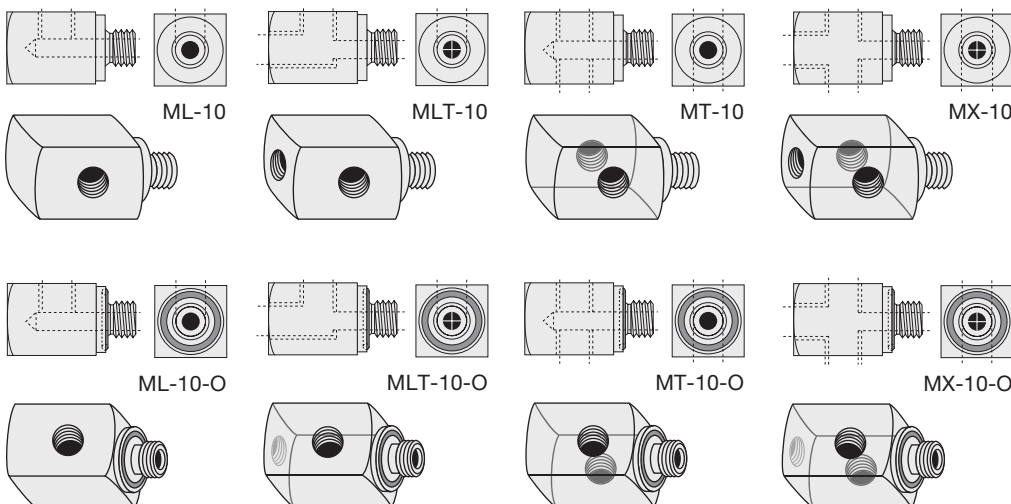
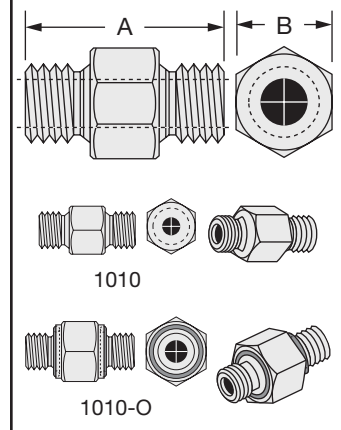
212

10-32 (F Series) Male to Female Thread Fittings & Male to Male Hex Nipples

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 Nipple w/ GA-10 Gasket	1010	1010-SS	1010-316SS	1010-AL	1010-NP	1/2	1/4
Hex Nipple w/ O-Ring	1010-O	1010-O-SS	1010-O-316SS	1010-O-AL	1010-O-NP	9/16	5/16
Square Elbow w/ GA-10 Gasket	ML-10	ML-10-SS	ML-10-316SS	ML-10-AL	ML-10-NP	1/2	3/8
Square Elbow w/ O-Ring	ML-10-O	ML-10-O-SS	ML-10-O-316SS	ML-10-O-AL	ML-10-O-NP	1/2	3/8
Square L-Tee w/ GA-10 Gasket	MLT-10	MLT-10-SS	MLT-10-316SS	MLT-10-AL	MLT-10-NP	1/2	3/8
Square L-Tee w/ O-Ring	MLT-10-O	MLT-10-O-SS	MLT-10-O-316SS	MLT-10-O-AL	MLT-10-O-NP	1/2	3/8
Square Tee w/ GA-10 Gasket	MT-10	MT-10-SS	MT-10-316SS	MT-10-AL	MT-10-NP	1/2	3/8
Square Tee w/ O-Ring	MT-10-O	MT-10-O-SS	MT-10-O-316SS	MT-10-O-AL	MT-10-O-NP	1/2	3/8
Square Cross w/ GA-10 Gasket	MX-10	MX-10-SS	MX-10-316SS	MX-10-AL	MX-10-NP	1/2	3/8
Square Cross w/ O-Ring	MX-10-O	MX-10-O-SS	MX-10-O-316SS	MX-10-O-AL	MX-10-O-NP	1/2	3/8



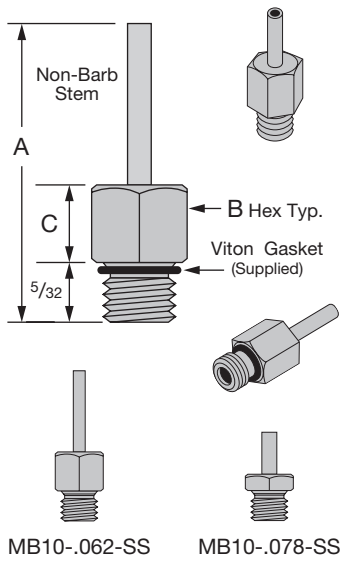
Male to Male Hex Nipple



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.

10-32 Male Thread Fittings with 304 Stainless Steel Microbore Stem

213

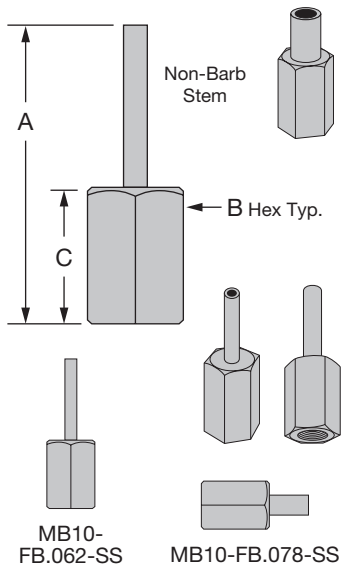


Tube OD	Part Numbers		Dimensions (Reference)		
	Stainless Steel 303 Fitting Body	Stainless Steel 316 Fitting Body	A Ref.	B Typ.	C Ref.
.012	MB10-.012-SS	MB10-.012-316SS	.822	1/4	13/64
.020	MB10-.020-SS	MB10-.020-316SS	.668	1/4	13/64
.025	MB10-.025-SS	MB10-.025-316SS	.738	1/4	13/64
.040	MB10-.040-SS	MB10-.040-316SS	.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		

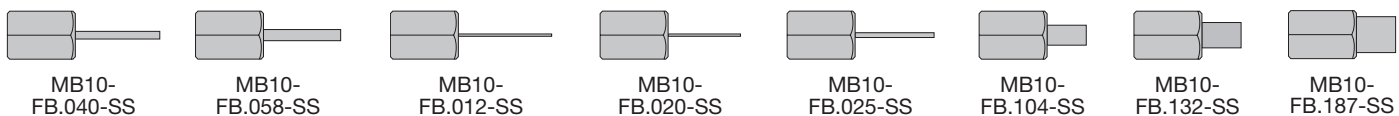


10-32 Female Thread Fittings with 304 Stainless Steel Microbore Stem

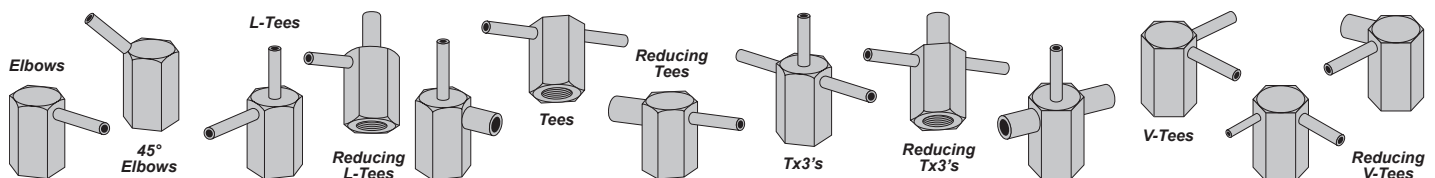
214



Tube OD	Part Numbers		Dimensions (Reference)		
	Stainless Steel 303 Fitting Body	Stainless Steel 316 Fitting Body	A Ref.	B Typ.	C Ref.
.012	MB10-FB.012-SS	MB10-FB.012-316SS	.842	1/4	.354
.020	MB10-FB.020-SS	MB10-FB.020-316SS	.733	1/4	.354
.025	MB10-FB.025-SS	MB10-FB.025-316SS	.767	1/4	.354
.040	MB10-FB.040-SS	MB10-FB.040-316SS	.794	1/4	.354
.058	MB10-FB.058-SS	MB10-FB.058-316SS	.756	1/4	.354
.062	MB10-FB.062-SS	MB10-FB.062-316SS	.779	1/4	.354
.078	MB10-FB.078-SS	MB10-FB.078-316SS	.564	1/4	.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		



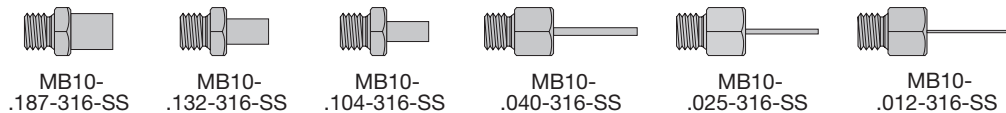
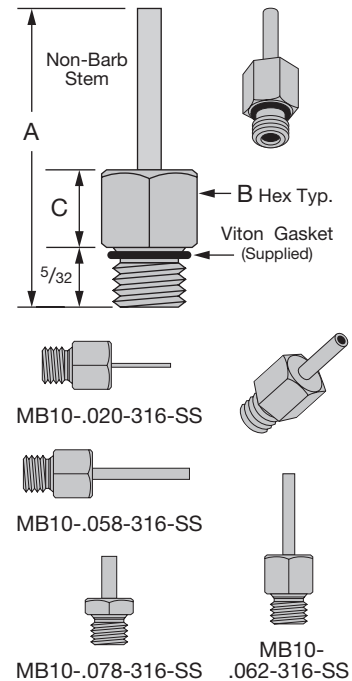
Many options available for Female Threaded Fittings with Microbore Stems! Consult factory for details!



215

10-32 Male Thread Fittings with 316 Stainless Steel Microbore Stem

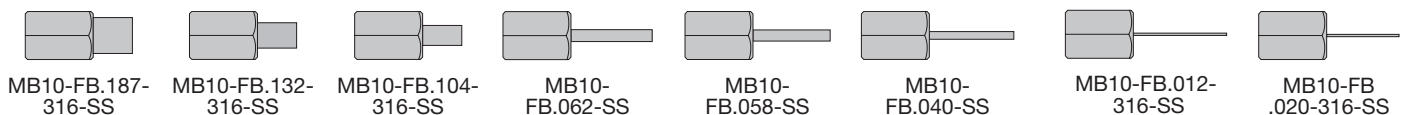
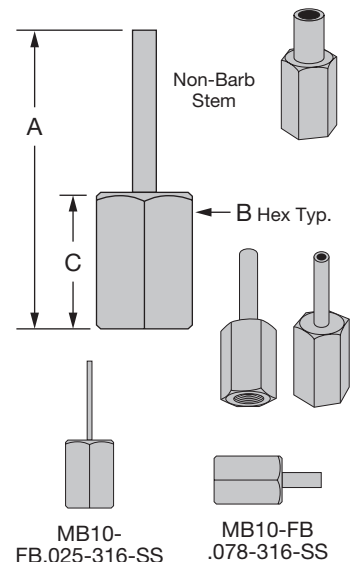
Tube OD	Part Numbers		Dimensions (Reference)		
	Stainless Steel 303 Fitting Body	Stainless Steel 316 Fitting Body	A Ref.	B Typ.	C Ref.
.012	MB10-.012-316-SS	MB10-.012-316-316SS	.822	1/4	13/64
.020	MB10-.020-316-SS	MB10-.020-316-316SS	.668	1/4	13/64
.025	MB10-.025-316-SS	MB10-.025-316-316SS	.738	1/4	13/64
.040	MB10-.040-316-SS	MB10-.040-316-316SS	.795	1/4	13/64
.058	MB10-.058-316-SS	MB10-.058-316-316SS	.865	1/4	13/64
.062	MB10-.062-316-SS	MB10-.062-316-316SS	.782	1/4	13/64
.078	MB10-.078-316-SS	MB10-.078-316-316SS	.460	1/4	.085
.104	MB10-.104-316-SS	MB10-.104-316-316SS	Consult Factory		
.132	MB10-.132-316-SS	MB10-.132-316-316SS	Consult Factory		
.187	MB10-.187-316-SS	MB10-.187-316-316SS	Consult Factory		



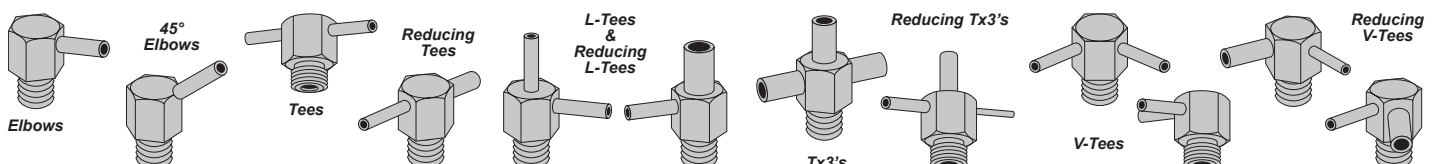
216

10-32 Female Thread Fittings with 316 Stainless Steel Microbore Stem

Tube OD	Part Numbers		Dimensions (Reference)		
	Stainless Steel 303 Fitting Body	Stainless Steel 316 Fitting Body	A Ref.	B Typ.	C Ref.
.012	MB10-FB.012-316-SS	MB10-FB.012-316-316SS	.842	1/4	.354
.020	MB10-FB.020-316-SS	MB10-FB.020-316-316SS	.733	1/4	.354
.025	MB10-FB.025-316-SS	MB10-FB.025-316-316SS	.767	1/4	.354
.040	MB10-FB.040-316-SS	MB10-FB.040-316-316SS	.794	1/4	.354
.058	MB10-FB.058-316-SS	MB10-FB.058-316-316SS	.756	1/4	.354
.062	MB10-FB.062-316-SS	MB10-FB.062-316-316SS	.779	1/4	.354
.078	MB10-FB.078-316-SS	MB10-FB.078-316-316SS	.564	1/4	.354
.104	MB10-FB.104-316-SS	MB10-FB.104-316-316SS	Consult Factory		
.132	MB10-FB.132-316-SS	MB10-FB.132-316-316SS	Consult Factory		
.187	MB10-FB.187-316-SS	MB10-FB.187-316-316SS	Consult Factory		

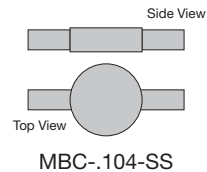
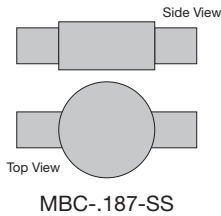
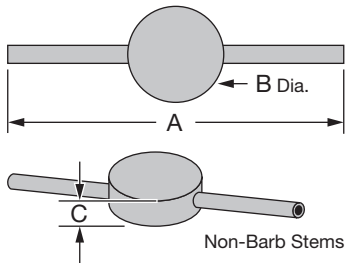


Many options available for Male Threaded Fittings with Microbore Stems! Consult factory for details!

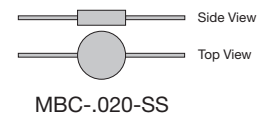
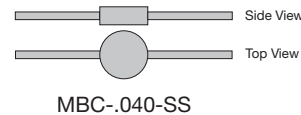
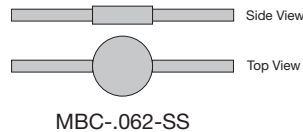


Straight Tubing Connector with 304 Stainless Steel Microbore Stems

217

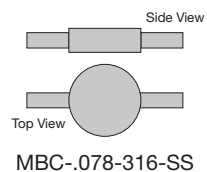
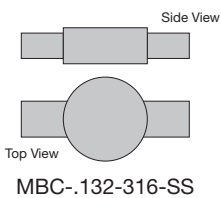
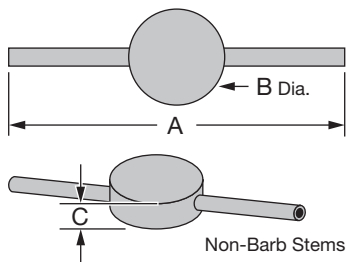


Tube OD	Part Numbers		Dimensions (Reference)		
	Stainless Steel 303 Fitting Body	Stainless Steel 316 Fitting Body	A Ref.	B Dia.	C Ref.
.012	MBC-.012-SS	MBC-.012-316SS	Consult Factory	Consult Factory	Consult Factory
.020	MBC-.020-SS	MBC-.020-316SS			
.025	MBC-.025-SS	MBC-.025-316SS			
.040	MBC-.040-SS	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			

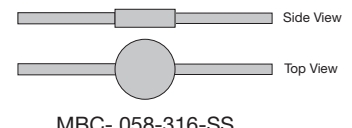
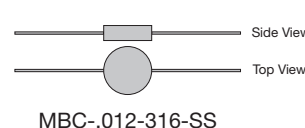
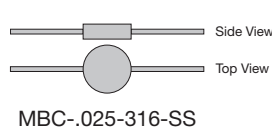


Straight Tubing Connector with 316 Stainless Steel Microbore Stems

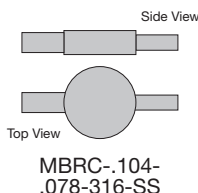
218



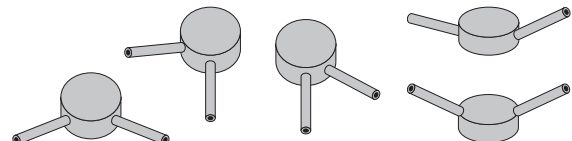
Tube OD	Part Numbers		Dimensions (Reference)		
	Stainless Steel 303 Fitting Body	Stainless Steel 316 Fitting Body	A Ref.	B Dia.	C Ref.
.012	MBC-.012-316-SS	MBC-.012-316-316SS	Consult Factory	Consult Factory	Consult Factory
.020	MBC-.020-316-SS	MBC-.020-316-316SS			
.025	MBC-.025-316-SS	MBC-.025-316-316SS			
.040	MBC-.040-316-SS	MBC-.040-316-316SS			
.058	MBC-.058-316-SS	MBC-.058-316-316SS			
.062	MBC-.062-316-SS	MBC-.062-316-316SS			
.078	MBC-.078-316-SS	MBC-.078-316-316SS			
.104	MBC-.104-316-SS	MBC-.104-316-316SS			
.132	MBC-.132-316-SS	MBC-.132-316-316SS			
.187	MBC-.187-316-SS	MBC-.187-316-316SS			



Reducing Straight Tube Connectors also available! Consult factory for details!



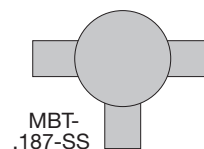
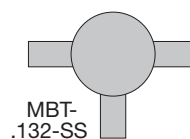
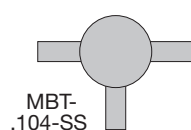
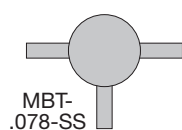
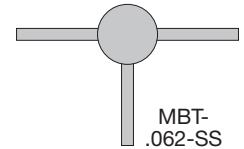
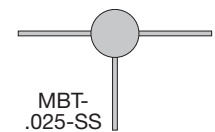
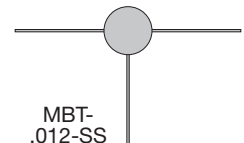
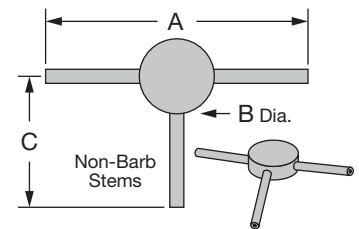
Custom Microbore Fittings available! Microbore Stems can be placed in a wide variety of locations and at various angles. Consult factory for details!



219

Three-Way Tubing Connector with 304 Stainless Steel Microbore Stems

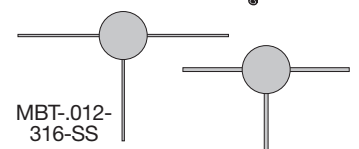
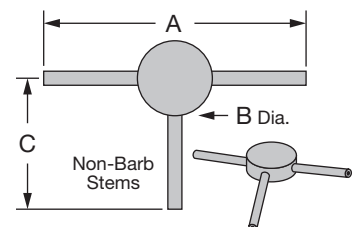
Tube OD	Part Numbers		Dimensions (Reference)		
	Stainless Steel 303 Fitting Body	Stainless Steel 316 Fitting Body	A Ref.	B Dia.	C Ref.
.012	MBT-.012-SS	MBT-.012-316SS	Consult Factory	Consult Factory	Consult Factory
.020	MBT-.020-SS	MBT-.020-316SS	Consult Factory	Consult Factory	Consult Factory
.025	MBT-.025-SS	MBT-.025-316SS	Consult Factory	Consult Factory	Consult Factory
.040	MBT-.040-SS	MBT-.040-316SS	Consult Factory	Consult Factory	Consult Factory
.058	MBT-.058-SS	MBT-.058-316SS	Consult Factory	Consult Factory	Consult Factory
.062	MBT-.062-SS	MBT-.062-316SS	Consult Factory	Consult Factory	Consult Factory
.078	MBT-.078-SS	MBT-.078-316SS	Consult Factory	Consult Factory	Consult Factory
.104	MBT-.104-SS	MBT-.104-316SS	Consult Factory	Consult Factory	Consult Factory
.132	MBT-.132-SS	MBT-.132-316SS	Consult Factory	Consult Factory	Consult Factory
.187	MBT-.187-SS	MBT-.187-316SS	Consult Factory	Consult Factory	Consult Factory



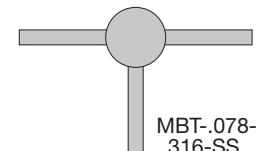
220

Three-Way Tubing Connector with 316 Stainless Steel Microbore Stems

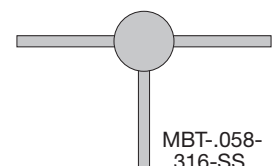
Tube OD	Part Numbers		Dimensions (Reference)		
	Stainless Steel 303 Fitting Body	Stainless Steel 316 Fitting Body	A Ref.	B Dia.	C Ref.
.012	MBT-.012-316-SS	MBT-.012-316-316SS	Consult Factory	Consult Factory	Consult Factory
.020	MBT-.020-316-SS	MBT-.020-316-316SS	Consult Factory	Consult Factory	Consult Factory
.025	MBT-.025-316-SS	MBT-.025-316-316SS	Consult Factory	Consult Factory	Consult Factory
.040	MBT-.040-316-SS	MBT-.040-316-316SS	Consult Factory	Consult Factory	Consult Factory
.058	MBT-.058-316-SS	MBT-.058-316-316SS	Consult Factory	Consult Factory	Consult Factory
.062	MBT-.062-316-SS	MBT-.062-316-316SS	Consult Factory	Consult Factory	Consult Factory
.078	MBT-.078-316-SS	MBT-.078-316-316SS	Consult Factory	Consult Factory	Consult Factory
.104	MBT-.104-316-SS	MBT-.104-316-316SS	Consult Factory	Consult Factory	Consult Factory
.132	MBT-.132-316-SS	MBT-.132-316-316SS	Consult Factory	Consult Factory	Consult Factory
.187	MBT-.187-316-SS	MBT-.187-316-316SS	Consult Factory	Consult Factory	Consult Factory



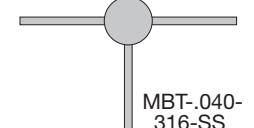
MBT-.020-316-SS



MBT-.078-316-SS



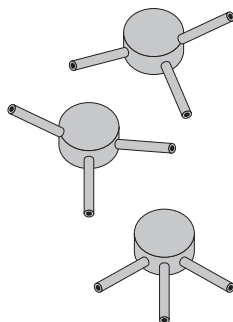
MBT-.058-316-SS



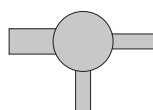
MBT-.040-316-SS

Custom Microbore Fittings available!

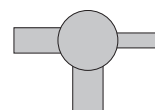
Microbore Stems can be placed a wide in variety of locations and at various angles. Consult factory for details!



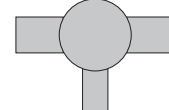
Reducing 3-Way Tube Connectors available!



MBRT-.132-.078-.078-SS



MBRT-.132-.158-.078-SS

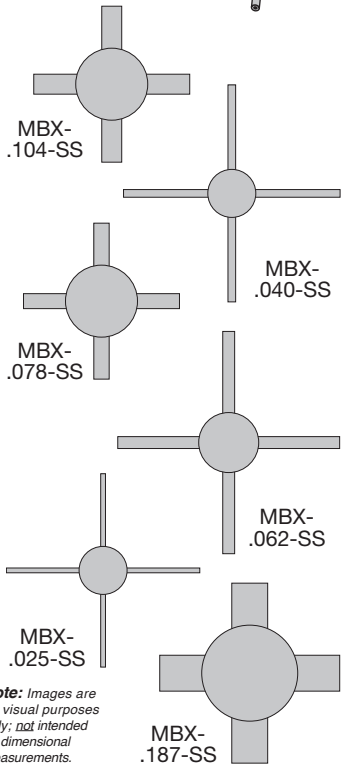
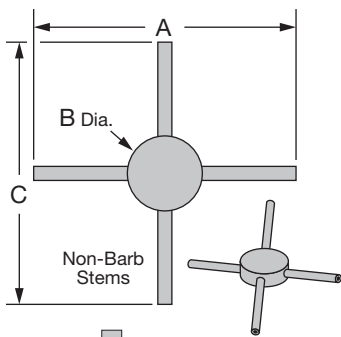


MBRT-.187-.187-.132-SS

Consult factory for details!

Four-Way Tubing Connector with 304 Stainless Steel Microbore Stems

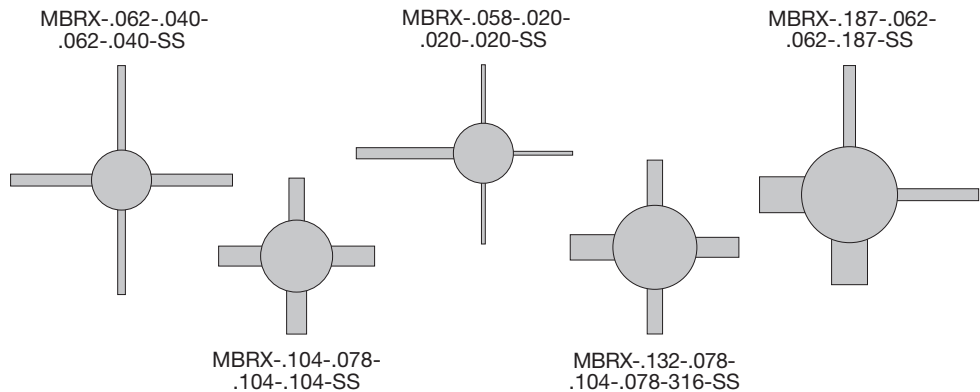
221



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

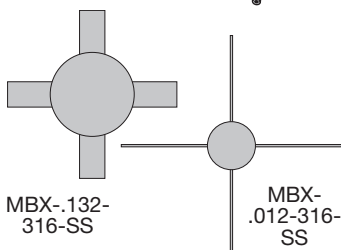
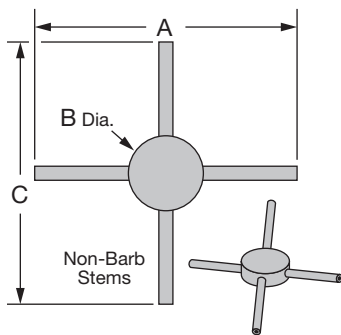
Tube OD	Part Numbers		Dimensions (Reference)		
	Stainless Steel 303 Fitting Body	Stainless Steel 316 Fitting Body	A Ref.	B Dia.	C Ref.
.012	MBX-.012-SS	MBX-.012-316SS	Consult Factory	Consult Factory	Consult Factory
.020	MBX-.020-SS	MBX-.020-316SS			
.025	MBX-.025-SS	MBX-.025-316SS			
.040	MBX-.040-SS	MBX-.040-316SS			
.058	MBX-.058-SS	MBX-.058-316SS			
.062	MBX-.062-SS	MBX-.062-316SS			
.078	MBX-.078-SS	MBX-.078-316SS			
.104	MBX-.104-SS	MBX-.104-316SS			
.132	MBX-.132-SS	MBX-.132-316SS			
.187	MBX-.187-SS	MBX-.187-316SS			

Reducing 4-Way Tube Connectors also available! Consult factory for details!



Four-Way Tubing Connector with 316 Stainless Steel Microbore Stems

222

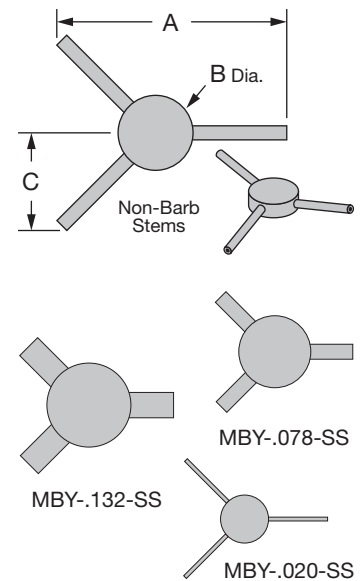


Tube OD	Part Numbers		Dimensions (Reference)		
	Stainless Steel 303 Fitting Body	Stainless Steel 316 Fitting Body	A Ref.	B Dia.	C Ref.
.012	MBX-.012-316-SS	MBX-.012-316-316SS	Consult Factory	Consult Factory	Consult Factory
.020	MBX-.020-316-SS	MBX-.020-316-316SS			
.025	MBX-.025-316-SS	MBX-.025-316-316SS			
.040	MBX-.040-316-SS	MBX-.040-316-316SS			
.058	MBX-.058-316-SS	MBX-.058-316-316SS			
.062	MBX-.062-316-SS	MBX-.062-316-316SS			
.078	MBX-.078-316-SS	MBX-.078-316-316SS			
.104	MBX-.104-316-SS	MBX-.104-316-316SS			
.132	MBX-.132-316-SS	MBX-.132-316-316SS			
.187	MBX-.187-316-SS	MBX-.187-316-316SS			

223

Y Tubing Connector with 304 Stainless Steel Microbore Stems

Tube OD	Part Numbers		Dimensions (Reference)		
	Stainless Steel 303 Fitting Body	Stainless Steel 316 Fitting Body	A Ref.	B Dia.	C Ref.
.012	MBY-.012-SS	MBY-.012-316SS	Consult Factory	Consult Factory	Consult Factory
.020	MBY-.020-SS	MBY-.020-316SS	Consult Factory	Consult Factory	Consult Factory
.025	MBY-.025-SS	MBY-.025-316SS	Consult Factory	Consult Factory	Consult Factory
.040	MBY-.040-SS	MBY-.040-316SS	Consult Factory	Consult Factory	Consult Factory
.058	MBY-.058-SS	MBY-.058-316SS	Consult Factory	Consult Factory	Consult Factory
.062	MBY-.062-SS	MBY-.062-316SS	Consult Factory	Consult Factory	Consult Factory
.078	MBY-.078-SS	MBY-.078-316SS	Consult Factory	Consult Factory	Consult Factory
.104	MBY-.104-SS	MBY-.104-316SS	Consult Factory	Consult Factory	Consult Factory
.132	MBY-.132-SS	MBY-.132-316SS	Consult Factory	Consult Factory	Consult Factory
.187	MBY-.187-SS	MBY-.187-316SS	Consult Factory	Consult Factory	Consult Factory

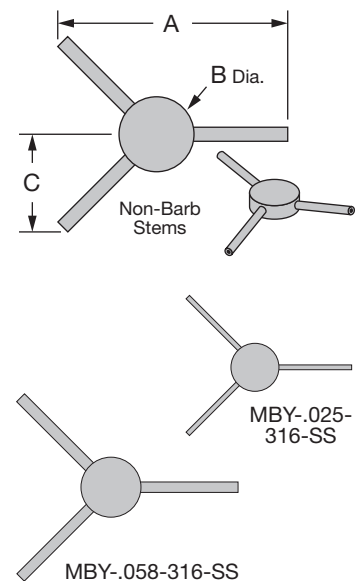


F

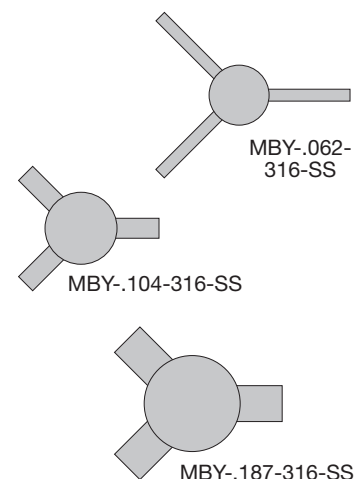
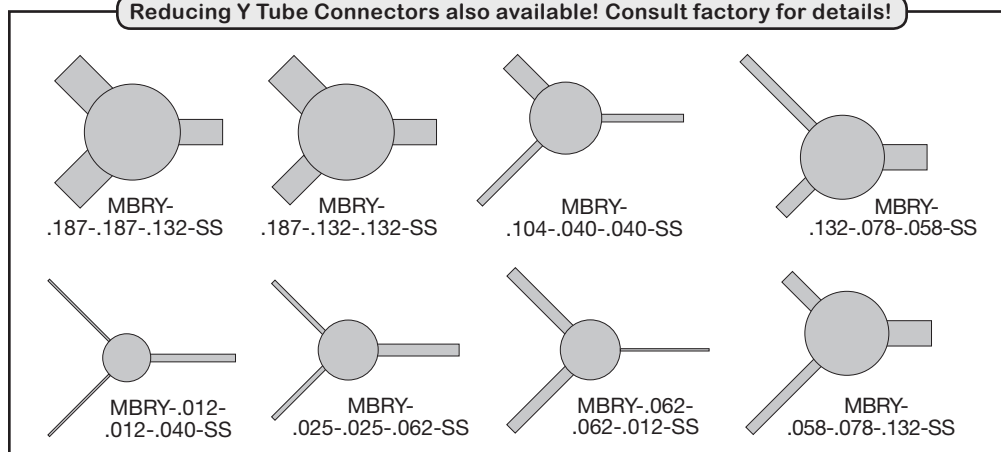
224

Y Tubing Connector with 316 Stainless Steel Microbore Stems

Tube OD	Part Numbers		Dimensions (Reference)		
	Stainless Steel 303 Fitting Body	Stainless Steel 316 Fitting Body	A Ref.	B Dia.	C Ref.
.012	MBY-.012-316-SS	MBY-.012-316-316SS	Consult Factory	Consult Factory	Consult Factory
.020	MBY-.020-316-SS	MBY-.020-316-316SS	Consult Factory	Consult Factory	Consult Factory
.025	MBY-.025-316-SS	MBY-.025-316-316SS	Consult Factory	Consult Factory	Consult Factory
.040	MBY-.040-316-SS	MBY-.040-316-316SS	Consult Factory	Consult Factory	Consult Factory
.058	MBY-.058-316-SS	MBY-.058-316-316SS	Consult Factory	Consult Factory	Consult Factory
.062	MBY-.062-316-SS	MBY-.062-316-316SS	Consult Factory	Consult Factory	Consult Factory
.078	MBY-.078-316-SS	MBY-.078-316-316SS	Consult Factory	Consult Factory	Consult Factory
.104	MBY-.104-316-SS	MBY-.104-316-316SS	Consult Factory	Consult Factory	Consult Factory
.132	MBY-.132-316-SS	MBY-.132-316-316SS	Consult Factory	Consult Factory	Consult Factory
.187	MBY-.187-316-SS	MBY-.187-316-316SS	Consult Factory	Consult Factory	Consult Factory

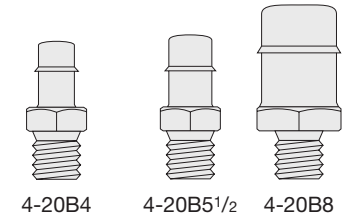
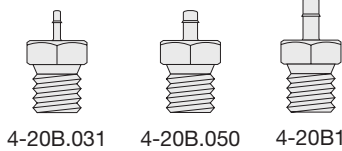
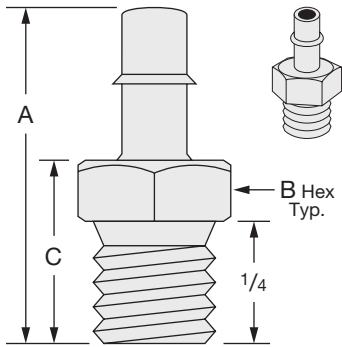


Reducing Y Tube Connectors also available! Consult factory for details!



1/4-20 (4-20) Thread to Tube with Fibre Gasket Supplied

225

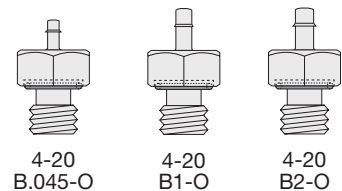
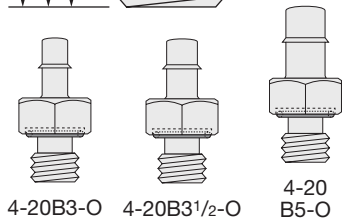
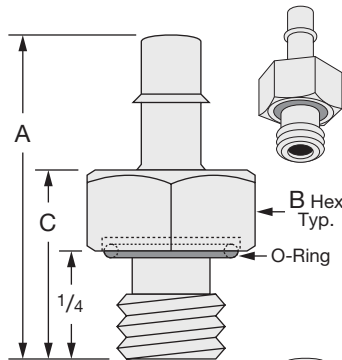


Note: Images are for visual representation only; not intended for dimensional measurements.

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	3/8
.040 / 1mm	4-20B.040	4-20B.040-SS	4-20B.040-316SS	N/A	4-20B.040-NP	17/32	5/16	3/8
3/64	4-20B.045	4-20B.045-SS	4-20B.045-316SS	N/A	4-20B.045-NP	17/32	5/16	3/8
.050	4-20B.050	4-20B.050-SS	4-20B.050-316SS	N/A	4-20B.050-NP	17/32	5/16	3/8
1/16	4-20B1	4-20B1-SS	4-20B1-316SS	4-20B1-AL	4-20B1-NP	19/32	5/16	3/8
5/64 / 2mm	4-20B2	4-20B2-SS	4-20B2-316SS	4-20B2-AL	4-20B2-NP	19/32	5/16	3/8
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	3/8
1/8	4-20B3	4-20B3-SS	4-20B3-316SS	4-20B3-AL	4-20B3-NP	11/16	5/16	3/8
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	3/8
.170	4-20B4	4-20B4-SS	4-20B4-316SS	4-20B4-AL	4-20B4-NP	11/16	5/16	3/8
3/16	4-20B5	4-20B5-SS	4-20B5-316SS	4-20B5-AL	4-20B5-NP	3/4	5/16	3/8
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	3/8
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	3/8
1/4	4-20B6	4-20B6-SS	4-20B6-316SS	4-20B6-AL	4-20B6-NP	7/8	5/16	3/8
5/16 / 8mm	4-20B7	4-20B7-SS	4-20B7-316SS	4-20B7-AL	4-20B7-NP	1.00	7/16	3/8
3/8	4-20B8	4-20B8-SS	4-20B8-316SS	4-20B8-AL	4-20B8-NP	29/32	7/16	3/8

1/4-20 (4-20) Thread to Tube with O-Ring Seal Installed

226



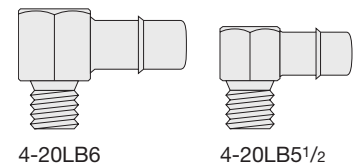
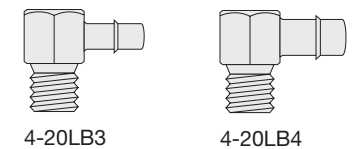
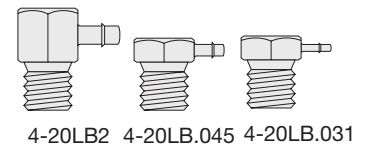
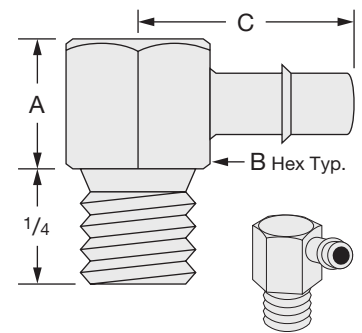
O-Ring options listed on page 65!

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	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	11/16	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

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1/4-20 (4-20) Thread to Tube Elbows with Fibre Gasket Supplied

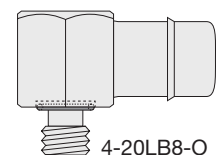
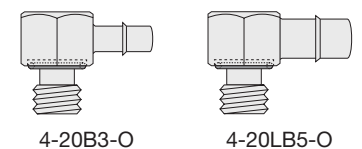
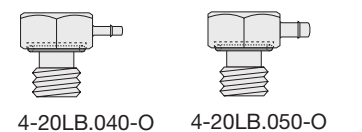
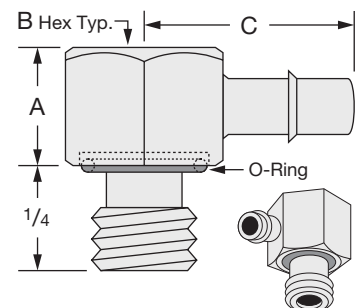
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	4-20LB.031	4-20LB.031-SS	4-20LB.031-316SS	4-20LB.031-NP	1/8	5/16	5/16
.040 / 1mm	4-20LB.040	4-20LB.040-SS	4-20LB.040-316SS	4-20LB.040-NP	1/8	5/16	5/16
3/64	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	1 1/16
1/4	4-20LB6	4-20LB6-SS	4-20LB6-316SS	4-20LB6-NP	3/8	3/8	1 1/16
5/16 / 8mm	4-20LB7	4-20LB7-SS	4-20LB7-316SS	4-20LB7-NP	1/2	5/8	1 5/16
3/8	4-20LB8	4-20LB8-SS	4-20LB8-316SS	4-20LB8-NP	1/2	5/8	2 7/32



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1/4-20 (4-20) 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	4-20LB.031-O	4-20LB.031-O-SS	4-20LB.031-O-316SS	4-20LB.031-O-NP	9/32	3/8	1 1/32
.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	1 1/32
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	1 1/32
.050	4-20LB.050-O	4-20LB.050-O-SS	4-20LB.050-O-316SS	4-20LB.050-O-NP	9/32	3/8	1 1/32
1/16	4-20LB1-O	4-20LB1-O-SS	4-20LB1-O-316SS	4-20LB1-O-NP	9/32	3/8	1 3/32
5/64 / 2mm	4-20LB2-O	4-20LB2-O-SS	4-20LB2-O-316SS	4-20LB2-O-NP	9/32	3/8	1 3/32
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	1 3/32
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	1 1/16
1/4	4-20LB6-O	4-20LB6-O-SS	4-20LB6-O-316SS	4-20LB6-O-NP	3/8	3/8	1 1/16
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	2 5/32

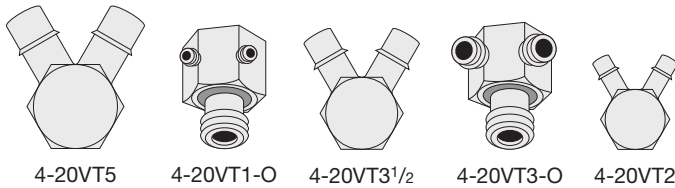


O-Ring options listed on page 65!

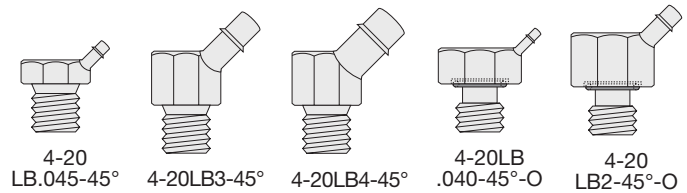
1/4-20 (4-20) Thread to Tube Options with Fibre Gaskets Supplied or O-Rings Installed

• Sample listing; many options available! •

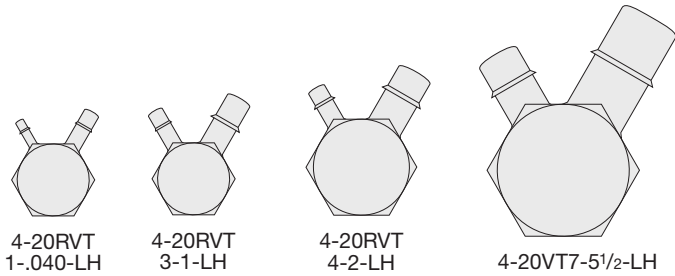
1/4-20 (4-20) V-Tees



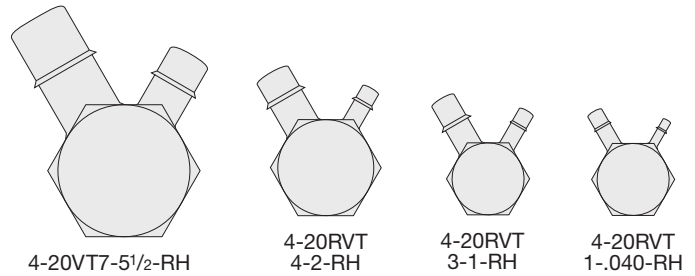
1/4-20 (4-20) 45° Elbows



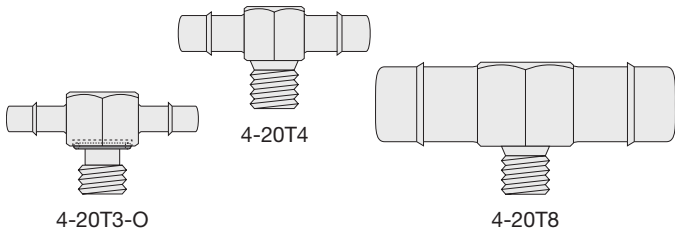
1/4-20 (4-20) Reducing Left-Hand V-Tees



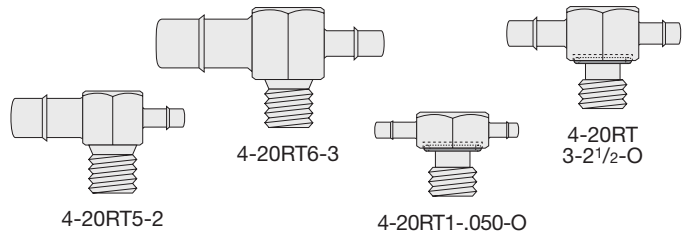
1/4-20 (4-20) Reducing Right-Hand V-Tees



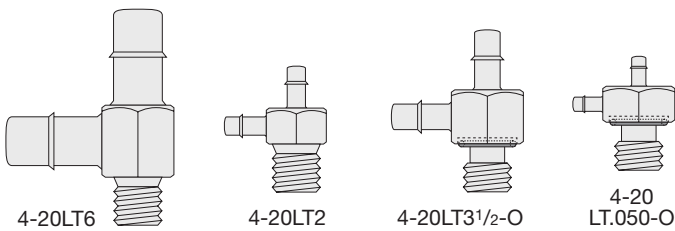
1/4-20 (4-20) Tees



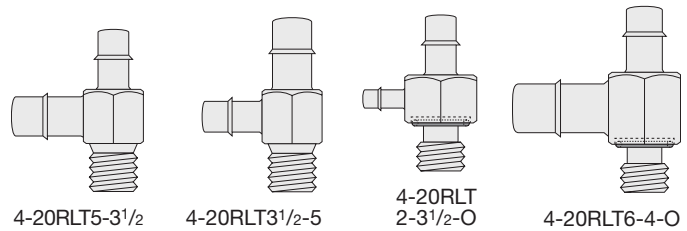
1/4-20 (4-20) Reducing Tees



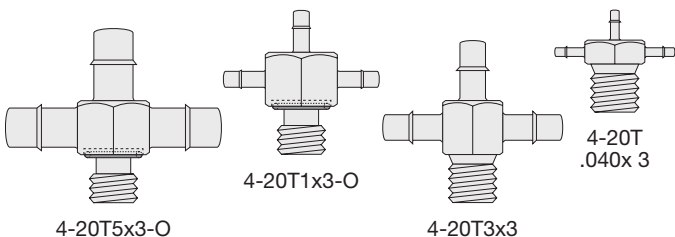
1/4-20 (4-20) L-Tees



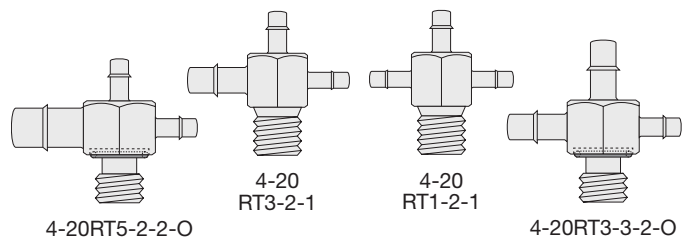
1/4-20 (4-20) Reducing L-Tees



1/4-20 (4-20) Tee x 3



1/4-20 (4-20) Reducing Tee x 3



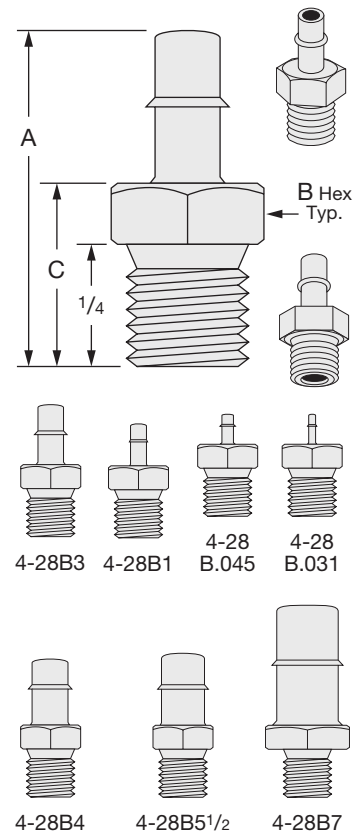
Consult factory for availability & details!

Buna-N O-Rings are standard. Other materail options listed on page 65!

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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	1 1/16	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	1 1/16	5/16	3/8
.170	4-28B4	4-28B4-SS	4-28B4-316SS	4-28B4-AL	4-28B4-NP	1 1/16	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

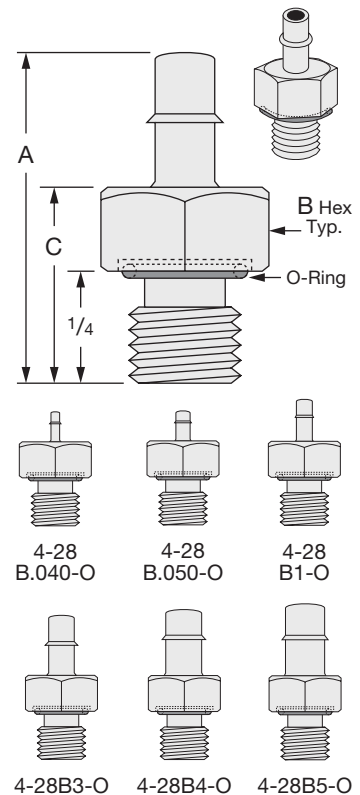


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230

1/4-28 (4-28) Thread to Tube with O-Ring Seal Installed

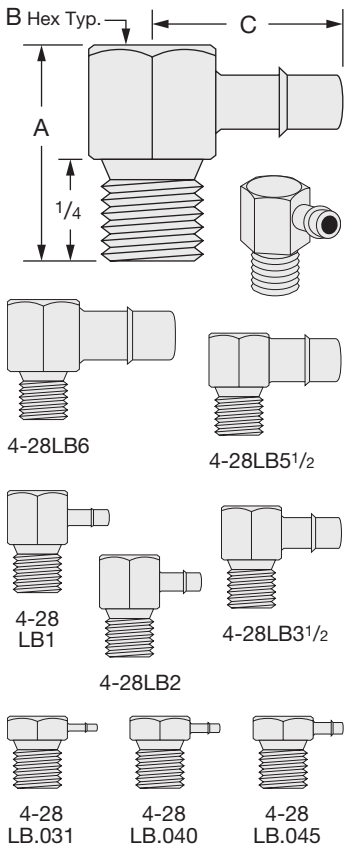
Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	4-28B.031-O	4-28B.031-O-SS	4-28B.031-O-316SS	N/A	4-28B.031-O-NP	19/32	3/8	7/16
.040 / 1mm	4-28B.040-O	4-28B.040-O-SS	4-28B.040-O-316SS	N/A	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

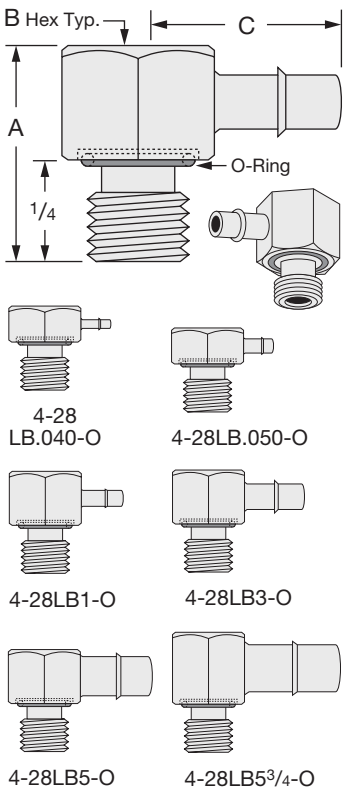
231



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

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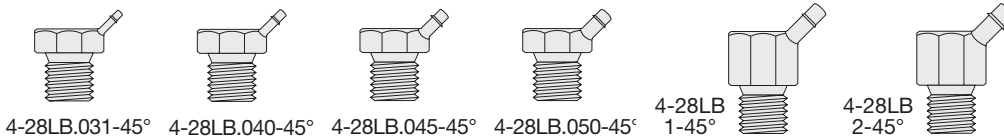
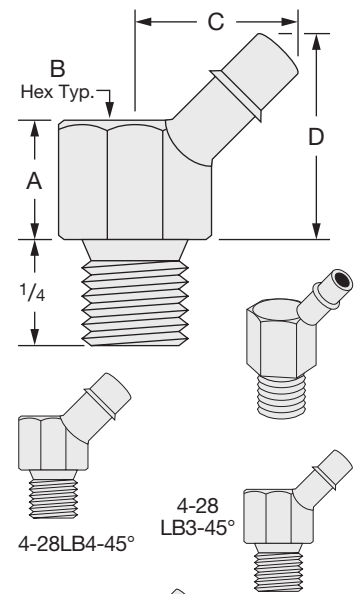
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	4-28LB.031-O	4-28LB.031-O-SS	4-28LB.031-O-316SS	4-28LB.031-O-NP	7/16	3/8	11/32
.040 / 1mm	4-28LB.040-O	4-28LB.040-O-SS	4-28LB.040-O-316SS	4-28LB.040-O-NP	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

O-Ring materials on page 65!

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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	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory
.050	4-28LB.050-45°	4-28LB.050-45°-SS	4-28LB.050-45°-316SS	4-28LB.050-45°-NP	1/8	5/16	Consult Factory	Consult Factory
1/16	4-28LB1-45°	4-28LB1-45°-SS	4-28LB1-45°-316SS	4-28LB1-45°-NP	9/32	5/16	Consult Factory	Consult Factory
5/64 / 2mm	4-28LB2-45°	4-28LB2-45°-SS	4-28LB2-45°-316SS	4-28LB2-45°-NP	9/32	5/16	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory
1/8	4-28LB3-45°	4-28LB3-45°-SS	4-28LB3-45°-316SS	4-28LB3-45°-NP	9/32	5/16	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory
.170	4-28LB4-45°	4-28LB4-45°-SS	4-28LB4-45°-316SS	4-28LB4-45°-NP	9/32	5/16	Consult Factory	Consult Factory

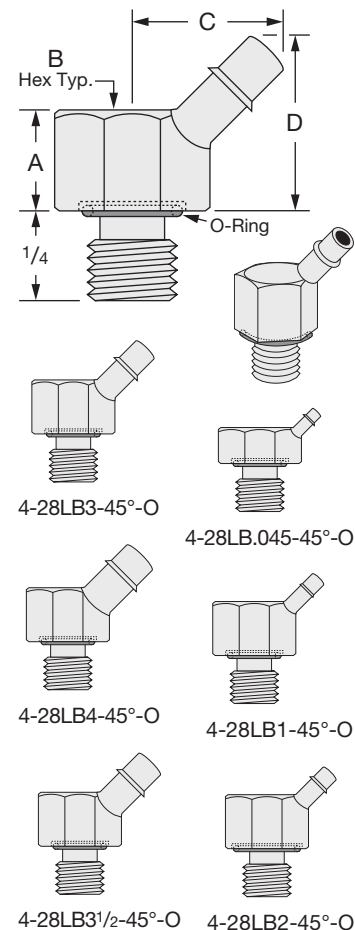


Note: For systems that do not allow the degree symbol (°) to be used, it can be substituted with 'DEG' in the part number.

234

1/4-28 (4-28) Thread to Tube 45° Elbows with O-Ring Seal Installed

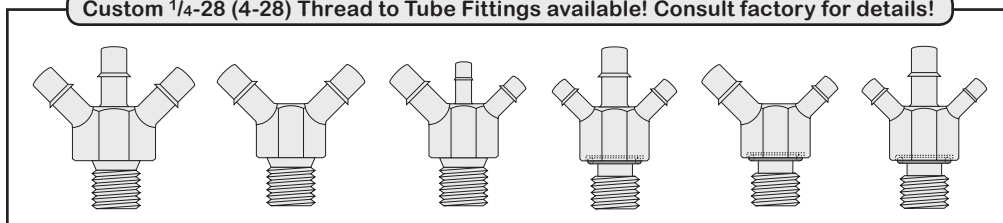
Tube ID	Part Numbers				Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/32	4-28LB.031-45°-O	4-28LB.031-45°-O-SS	4-28LB.031-45°-O-316SS	4-28LB.031-45°-O-NP	3/16	3/8	Consult Factory	Consult Factory
.040 / 1mm	4-28LB.040-45°-O	4-28LB.040-45°-O-SS	4-28LB.040-45°-O-316SS	4-28LB.040-45°-O-NP	3/16	3/8	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory
.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	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory
.170	4-28LB4-45°-O	4-28LB4-45°-O-SS	4-28LB4-45°-O-316SS	4-28LB4-45°-O-NP	9/32	3/8	Consult Factory	Consult Factory



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

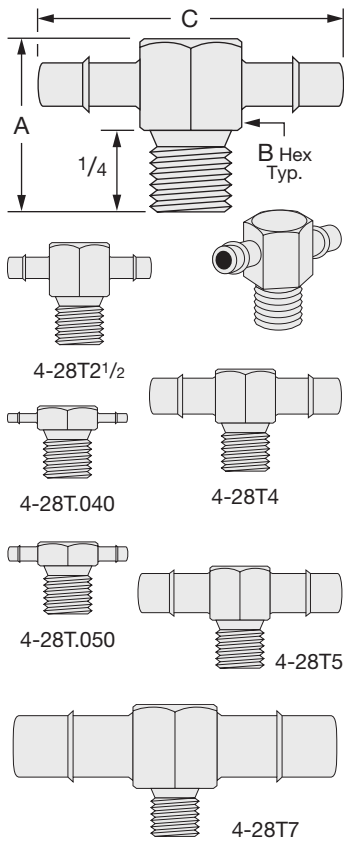
Supplied with Buna-N O-Rings. Other O-Ring options listed on page 65!

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

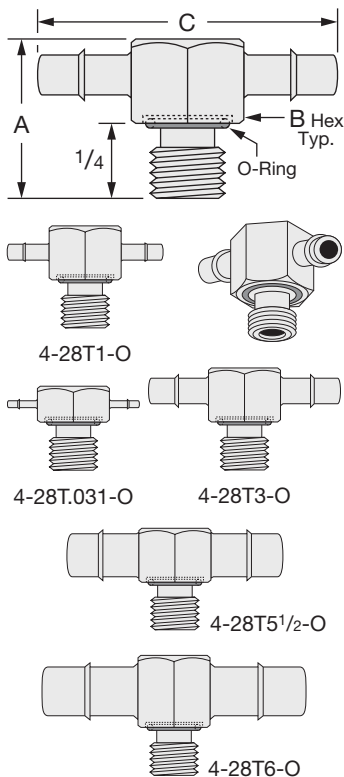
235



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

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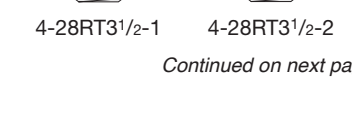
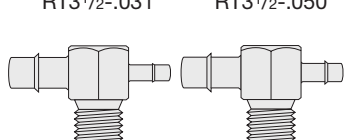
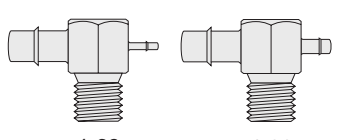
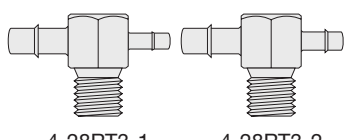
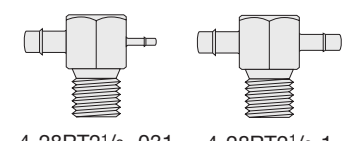
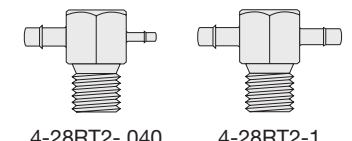
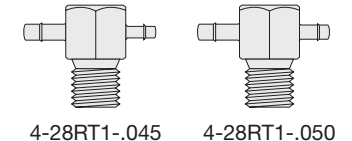
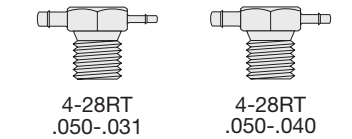
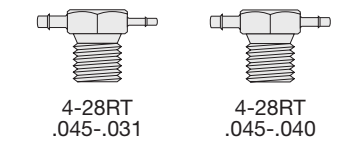
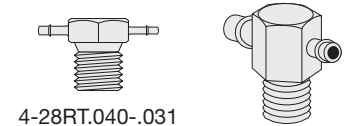
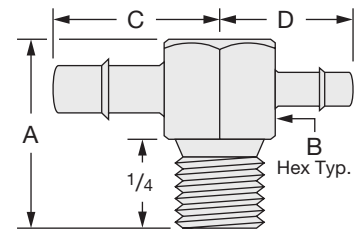
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	4-28T.031-O	4-28T.031-O-SS	4-28T.031-O-316SS	4-28T.031-O-NP	7/16	3/8	1 1/16
.040 / 1mm	4-28T.040-O	4-28T.040-O-SS	4-28T.040-O-316SS	4-28T.040-O-NP	7/16	3/8	1 1/16
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	1 1/16
.050	4-28T.050-O	4-28T.050-O-SS	4-28T.050-O-316SS	4-28T.050-O-NP	7/16	3/8	1 1/16
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

O-Ring materials on page 65!

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1/4-28 (4-28) Thread to Tube Reducing Tees with Fibre Gasket Supplied

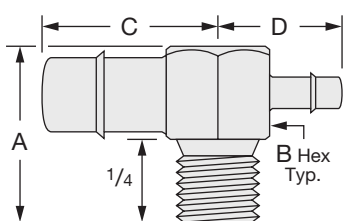
Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
.040 / 1mm	1/32	4-28RT.040-.031	4-28RT.040-.031-SS	4-28RT.040-.031-316SS	4-28RT.040-.031-NP	3/8	5/16	5/16	5/16
3/64	1/32	4-28RT.045-.031	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



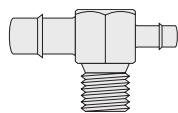
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1/4-28 (4-28) Thread to Tube Reducing Tees with Fibre Gasket Supplied (cont.)

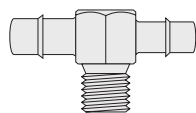
238



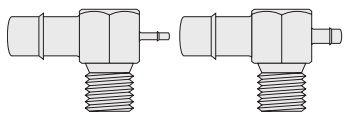
4-28RT4-.040



4-28RT4-2 1/2

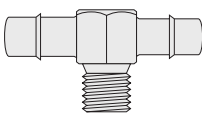


4-28RT4-3 1/2

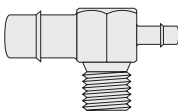


4-28RT5-.031

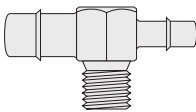
4-28RT5-.050



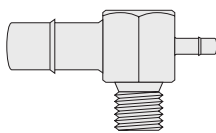
4-28RT5-4



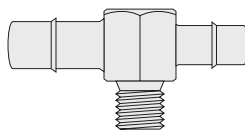
4-28RT5 1/2-2



4-28RT5 1/2-3



4-28RT5 3/4-1



4-28RT5 3/4-5

Continued on next page

Note:
Dimensions may vary at time of manufacturing.

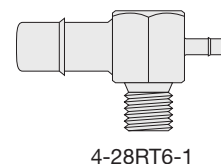
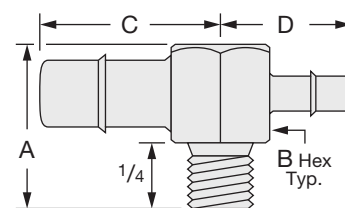
Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
.170	1/32	4-28RT4-.031	4-28RT4-.031-SS	4-28RT4-.031-316SS	4-28RT4-.031-NP	17/32	5/16	1/2	5/16
.170	.040 / 1mm	4-28RT4-.040	4-28RT4-.040-SS	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	1 1/16	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	1 1/16	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	1 1/16	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	1 1/16	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	1 1/16	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	1 1/16	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	1 1/16	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	1 1/16	9/16

.025 branch (1/50" tube ID) and other branch sizes available by special request! Consult factory for details!

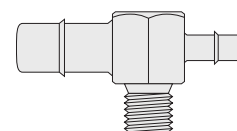
239

1/4-28 (4-28) Thread to Tube Reducing Tees with Fibre Gasket Supplied (cont.)

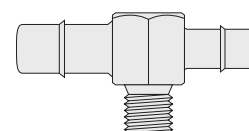
Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/4	1/16	4-28RT6-1	4-28RT6-1-SS	4-28RT6-1-316SS	4-28RT6-1-NP	5/8	3/8	11/16	13/32
1/4	5/64 / 2mm	4-28RT6-2	4-28RT6-2-SS	4-28RT6-2-316SS	4-28RT6-2-NP	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	17/8



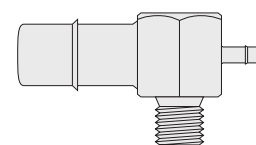
4-28RT6-1



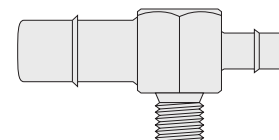
4-28RT6-3



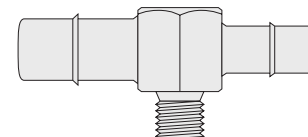
4-28RT6-5



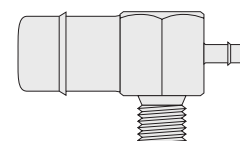
4-28RT7-1



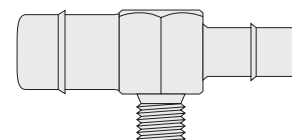
4-28RT7-4



4-28RT7-5 3/4

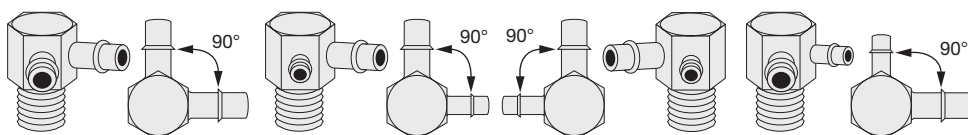


4-28RT8-2



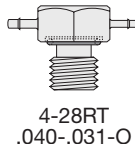
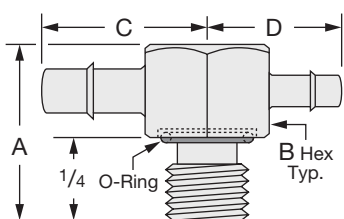
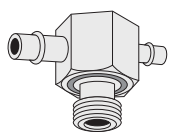
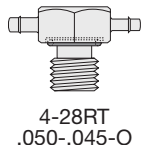
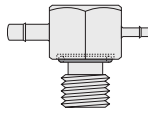
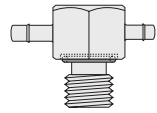
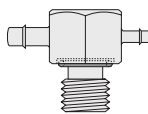
4-28RT8-6

1/4-28 (4-28) Male Thread 90° Tees & Reducing Tees available! Consult factory for details!

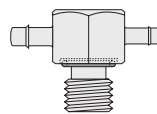


1/4-28 (4-28) Thread to Tube Reducing Tees with O-Ring Seal Installed

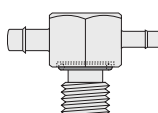
240

4-28RT
.040-.031-O4-28RT
.045-.040-O4-28RT
.050-.045-O4-28
RT1-.040-O4-28
RT1-.050-O

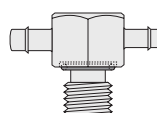
4-28RT2-.045-O



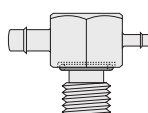
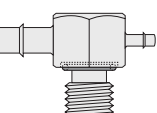
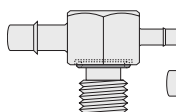
4-28RT2-1-O



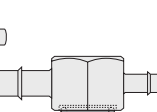
4-28RT2 1/2-1-O



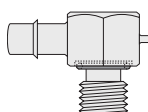
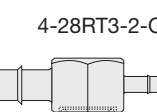
4-28RT2 1/2-2-O

4-28
RT2 1/2-.040-O4-28
RT3-.045-O

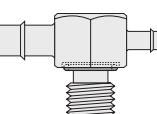
4-28RT3-1-O



4-28RT3-2-O

4-28
RT3 1/2-.031-O

4-28RT3 1/2-1-O



4-28RT3 1/2-2-O

**O-Ring
materials
listed on
page 65!**

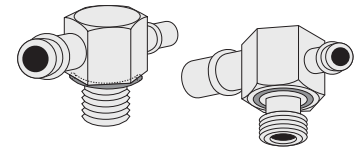
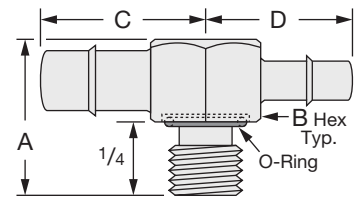
Continued on next page

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	4-28RT2 1/2-.031-O	4-28RT2 1/2-.031-O-SS	4-28RT2 1/2-.031-O-316SS	4-28RT2 1/2-.031-O-NP	17/32	3/8	13/32	11/32
3/32	.040 / 1mm	4-28RT2 1/2-.040-O	4-28RT2 1/2-.040-O-SS	4-28RT2 1/2-.040-O-316SS	4-28RT2 1/2-.040-O-NP	17/32	3/8	13/32	11/32
3/32	3/64	4-28RT2 1/2-.045-O	4-28RT2 1/2-.045-O-SS	4-28RT2 1/2-.045-O-316SS	4-28RT2 1/2-.045-O-NP	17/32	3/8	13/32	11/32
3/32	.050	4-28RT2 1/2-.050-O	4-28RT2 1/2-.050-O-SS	4-28RT2 1/2-.050-O-316SS	4-28RT2 1/2-.050-O-NP	17/32	3/8	13/32	11/32
3/32	1/16	4-28RT2 1/2-1-O	4-28RT2 1/2-1-O-SS	4-28RT2 1/2-1-O-316SS	4-28RT2 1/2-1-O-NP	17/32	3/8	13/32	13/32
3/32	5/64 / 2mm	4-28RT2 1/2-2-O	4-28RT2 1/2-2-O-SS	4-28RT2 1/2-2-O-316SS	4-28RT2 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	4-28RT3 1/2-.031-O	4-28RT3 1/2-.031-O-SS	4-28RT3 1/2-.031-O-316SS	4-28RT3 1/2-.031-O-NP	17/32	3/8	1/2	11/32
5/32	.040 / 1mm	4-28RT3 1/2-.040-O	4-28RT3 1/2-.040-O-SS	4-28RT3 1/2-.040-O-316SS	4-28RT3 1/2-.040-O-NP	17/32	3/8	1/2	11/32
5/32	3/64	4-28RT3 1/2-.045-O	4-28RT3 1/2-.045-O-SS	4-28RT3 1/2-.045-O-316SS	4-28RT3 1/2-.045-O-NP	17/32	3/8	1/2	11/32
5/32	.050	4-28RT3 1/2-.050-O	4-28RT3 1/2-.050-O-SS	4-28RT3 1/2-.050-O-316SS	4-28RT3 1/2-.050-O-NP	17/32	3/8	1/2	11/32
5/32	1/16	4-28RT3 1/2-1-O	4-28RT3 1/2-1-O-SS	4-28RT3 1/2-1-O-316SS	4-28RT3 1/2-1-O-NP	17/32	3/8	1/2	13/32
5/32	5/64 / 2mm	4-28RT3 1/2-2-O	4-28RT3 1/2-2-O-SS	4-28RT3 1/2-2-O-316SS	4-28RT3 1/2-2-O-NP	17/32	3/8	1/2	13/32
5/32	3/32	4-28RT3 1/2-2 1/2-O	4-28RT3 1/2-2 1/2-O-SS	4-28RT3 1/2-2 1/2-O-316SS	4-28RT3 1/2-2 1/2-O-NP	17/32	3/8	1/2	13/32
5/32	1/8	4-28RT3 1/2-3-O	4-28RT3 1/2-3-O-SS	4-28RT3 1/2-3-O-316SS	4-28RT3 1/2-3-O-NP	17/32	3/8	1/2	1/2

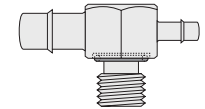
241

1/4-28 (4-28) Thread to Tube Reducing Tees with O-Ring Seal Installed (cont.)

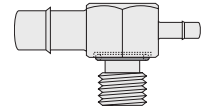
Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
.170	1/32	4-28RT4-.031-O	4-28RT4-.031-O-SS	4-28RT4-.031-O-316SS	4-28RT4-.031-O-NP	17/32	3/8	17/32	11/32
.170	.040 / 1mm	4-28RT4-.040-O	4-28RT4-.040-O-SS	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	17/32
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



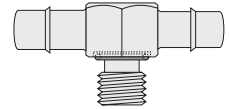
4-28RT4-.040-O



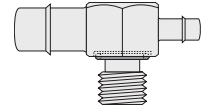
4-28RT4-2-O



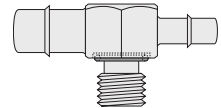
4-28RT5-1-O



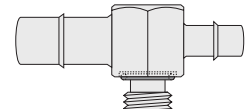
4-28RT5-4-O



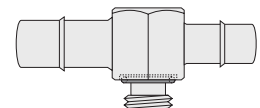
4-28RT5 1/2-2 1/2-O



4-28RT5 1/2-3-O



4-28RT5 3/4-3 1/2-O



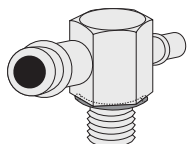
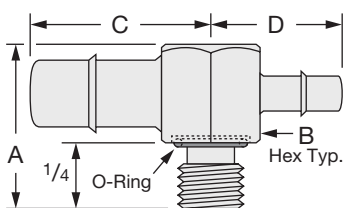
4-28RT5 3/4-5-O

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

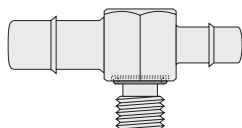
Continued on next page

1/4-28 (4-28) Thread to Tube Reducing Tees with O-Ring Seal Installed (cont.)

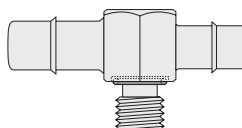
242



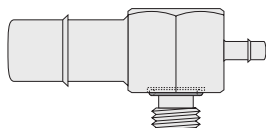
4-28RT6-1-O



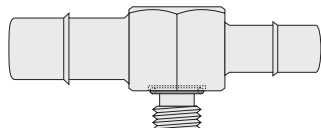
4-28RT6-4-O



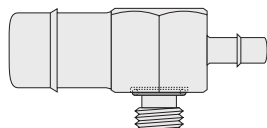
4-28RT6-5 1/2-O



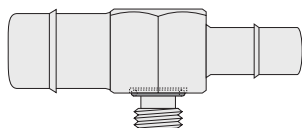
4-28RT7-2-O



4-28RT7-6-O



4-28RT8-3-O

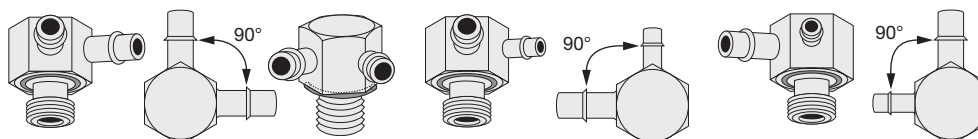


4-28RT8-5 3/4-O

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	1 1/16	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	1 1/16	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	1 1/16	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	1 1/16	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	1 1/16	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	1 1/16	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	1 1/16	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	1 1/16	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	1 1/16	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

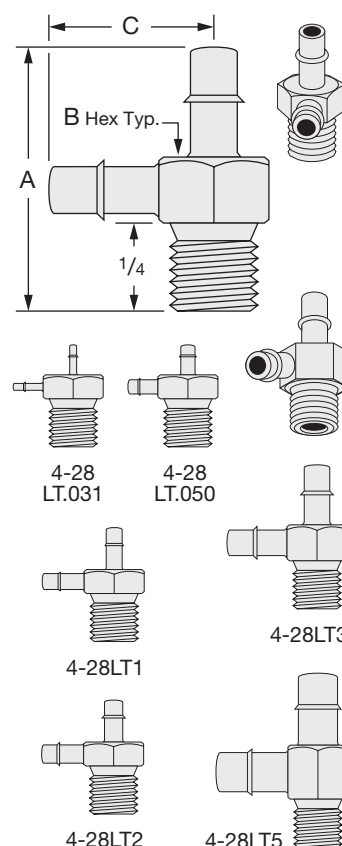
1/4-28 (4-28) Male Thread 90° Tees & Reducing Tees available! Consult factory for details!



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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 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		5/16	15/32
.170	4-28LT4	4-28LT4-SS	4-28LT4-316SS	4-28LT4-NP		5/16	1/2
3/16	4-28LT5	4-28LT5-SS	4-28LT5-316SS	4-28LT5-NP		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		5/16	17/32
6mm	4-28LT5 3/4	4-28LT5 3/4-SS	4-28LT5 3/4-316SS	4-28LT5 3/4-NP		3/8	1 1/16
1/4	4-28LT6	4-28LT6-SS	4-28LT6-316SS	4-28LT6-NP		3/8	1 1/16
5/16 / 8mm	4-28LT7	4-28LT7-SS	4-28LT7-316SS	4-28LT7-NP		7/16	15/16
3/8	4-28LT8	4-28LT8-SS	4-28LT8-316SS	4-28LT8-NP		7/16	27/32

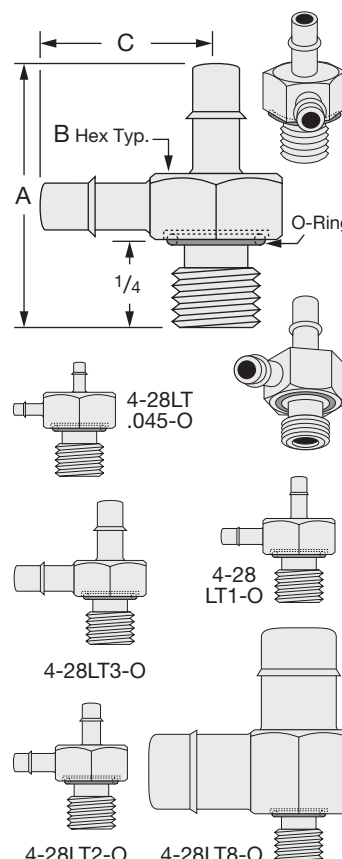


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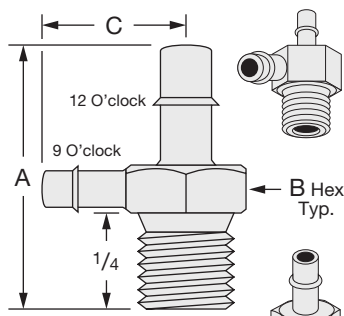
1/4-28 (4-28) Thread to Tube L-Tees with O-Ring Seal Installed

	Part Numbers				Dimensions (Reference)		
Tube ID	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 Consult Factory		



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		

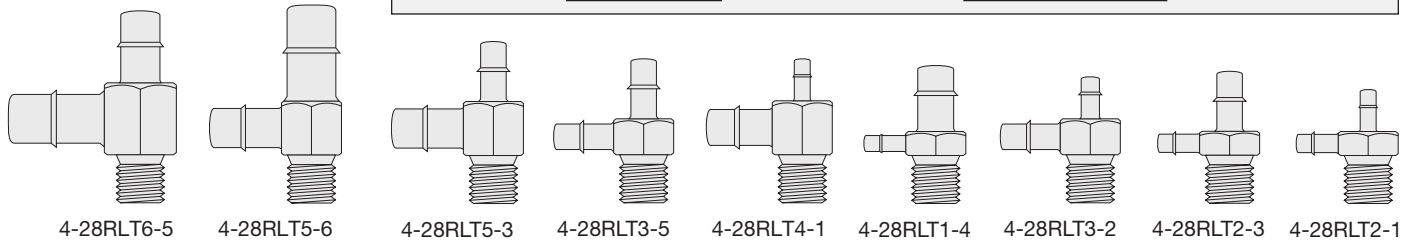
.025 branch (1/50" tube ID) available by special request!

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		

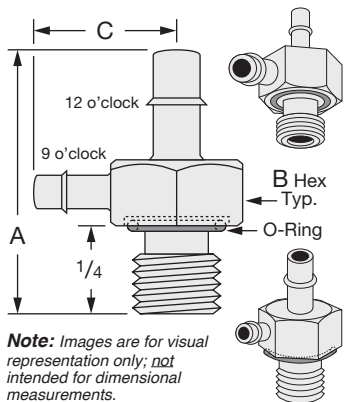
Note: Images are for visual reference only!

Part Numbers for 4-28 Thread to Tube Reducing L-Tees:



1/4-28 (4-28) Thread to Tube Reducing L-Tees with O-Ring Installed

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

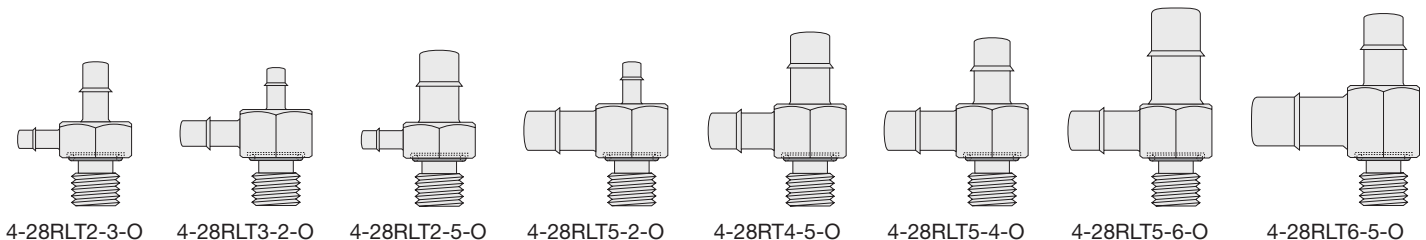
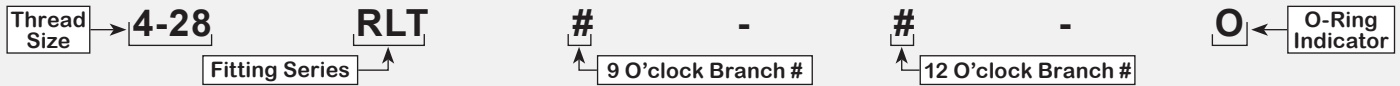
Branches		Dimensions (Reference)		
Tube ID	Branch #	A Ref.	B Typ.	C Ref.
1/32	.031	Consult Factory		
.040 / 1mm	.040	Consult Factory		
3/64	.045	Consult Factory		
.050	.050	Consult Factory		

O-Ring material options are listed on page 65!

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		

Part Numbers for 4-28 Thread to Tube Reducing L-Tees with O-Rings Installed:

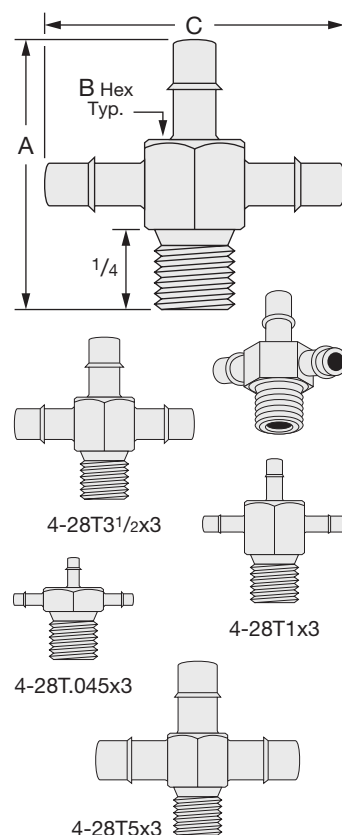


Unless otherwise specified, parts will be Brass. To order other materials, please add the following codes to the part number:
-SS = Stainless Steel 303 **-316SS = Stainless Steel 316** **-NP = Electroless Nickel Plate**

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

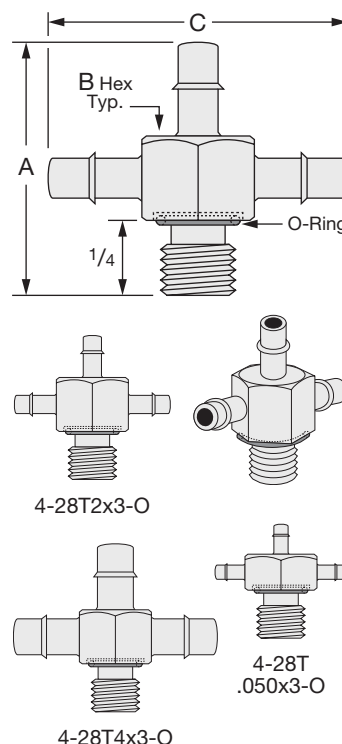


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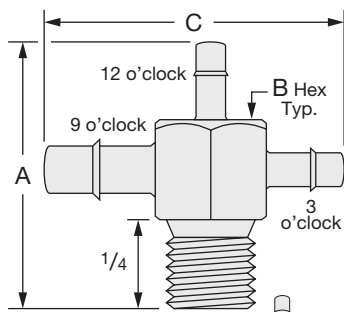
1/4-28 (4-28) Thread to Tube Tees x 3 with O-Ring Seal Installed

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	1 1/16
.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	1 1/16
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	1 1/16
.050	4-28T.050x3-O	4-28T.050x3-O-SS	4-28T.050x3-O-316SS	4-28T.050x3-O-NP	13/32	3/8	1 1/16
1/16	4-28T1x3-O	4-28T1x3-O-SS	4-28T1x3-O-316SS	4-28T1x3-O-NP	3/4	3/8	1 3/16
5/64 / 2mm	4-28T2x3-O	4-28T2x3-O-SS	4-28T2x3-O-316SS	4-28T2x3-O-NP	3/4	3/8	1 3/16
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	1 3/16
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 11/16



O-Ring material options are listed on page 65!

1/4-28 (4-28) Thread to Tube Custom Reducing Tees x 3 with Fibre Gasket Supplied 249



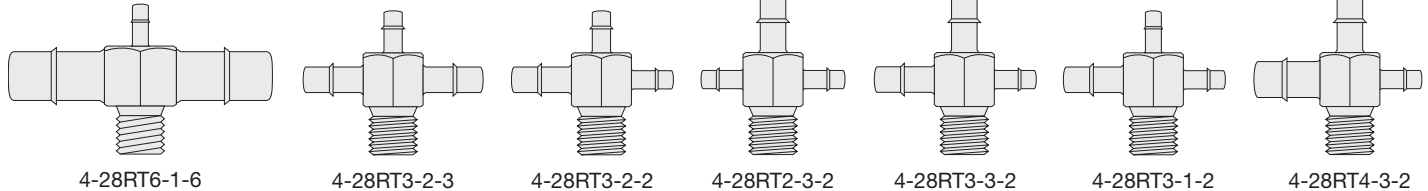
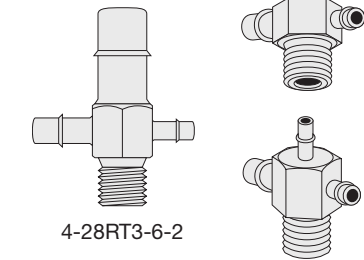
Branches		Dimensions (Reference)		
Tube ID	Branch #	A Ref.	B Typ.	C Ref.
1/32	.031	Consult Factory		
.040 / 1mm	.040	Consult Factory		
3/64	.045	Consult Factory		
.050	.050	Consult Factory		

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		

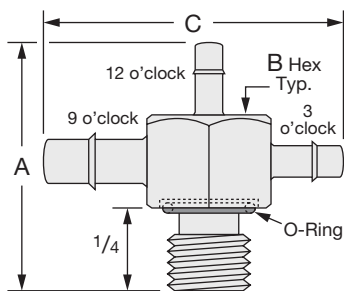
Branches		Dimensions (Reference)		
Tube ID	Branch #	A Ref.	B Typ.	C Ref.
3/16	5	Consult Factory		
7/32	5 1/2	Consult Factory		
6mm	5 3/4	Consult Factory		
1/4	6	Consult Factory		
5/16 / 8mm	7	Consult Factory		
3/8	8	Consult Factory		

.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:



1/4-28 (4-28) Thread to Tube Custom 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		

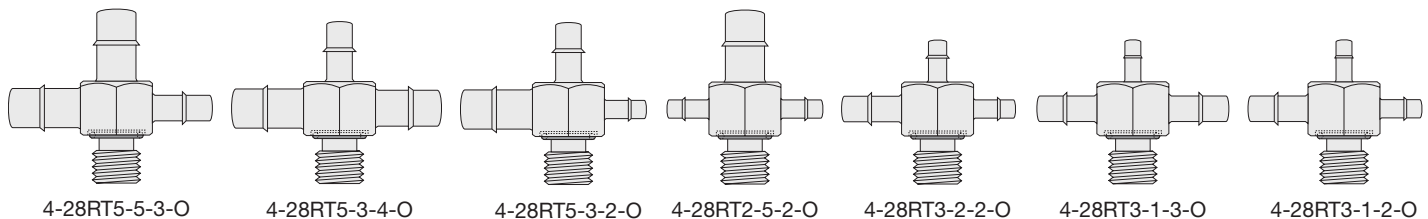
Branches		Dimensions (Reference)		
Tube ID	Branch #	A Ref.	B Typ.	C Ref.
1/16	1	Consult Factory		
5/64 / 2mm	2	Consult Factory		
3/32	2 1/2	Consult Factory		
1/8	3	Consult Factory		
5/32 / 4mm	3 1/2	Consult Factory		
.170	4	Consult Factory		

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:

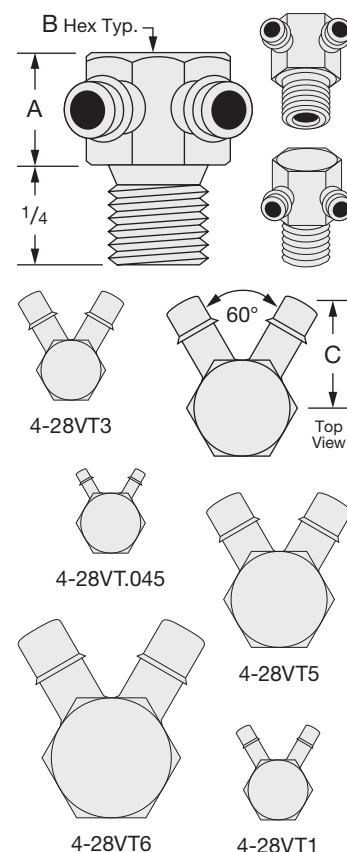


Unless otherwise specified, parts will be Brass. To order other materials, please add the following codes to the part number:
-SS = Stainless Steel 303 **-316SS = Stainless Steel 316** **-NP = Electroless Nickel Plate**

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	Consult Factory
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	Consult Factory
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	Consult Factory
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	Consult Factory
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	Consult Factory

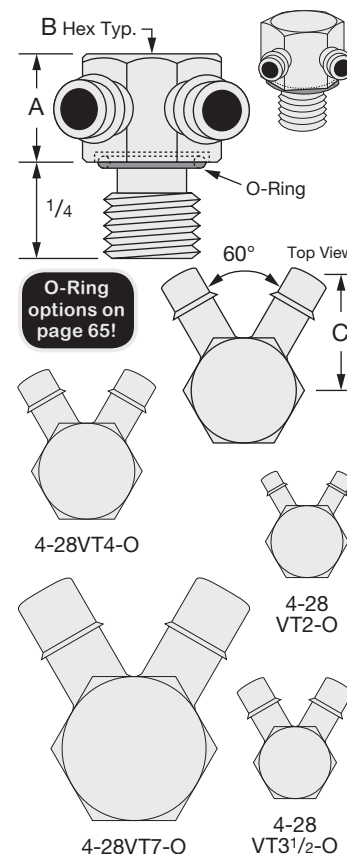


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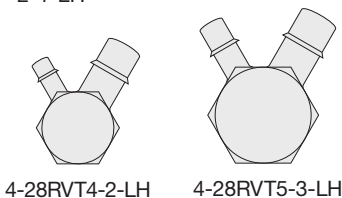
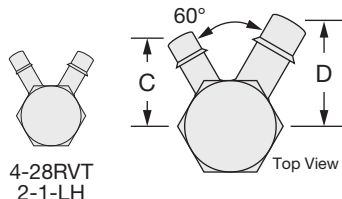
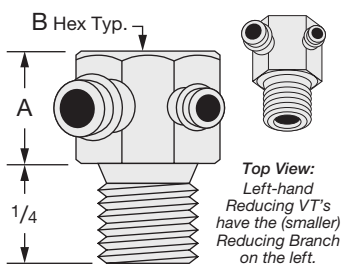
1/4-28 (4-28) Thread to Tube V-Tees with O-Ring Seal Installed

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	Consult Factory
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	Consult Factory
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	Consult Factory
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	Consult Factory
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	Consult Factory



1/4-28 (4-28) Thread to Tube Reducing Left Hand V-Tees

253



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		

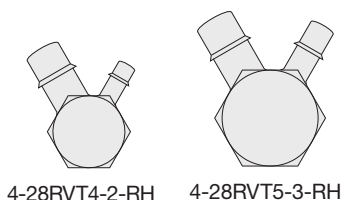
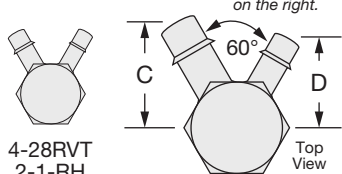
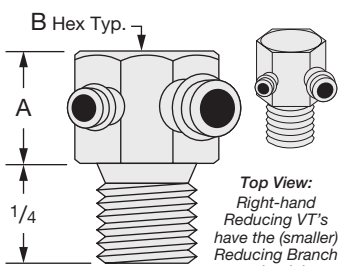
Branches		Dimensions (Reference)			
Tube ID	Branch #	A Ref.	B Typ.	C Ref.	D Ref.
5/32 / 4mm	3 1/2	Consult Factory	Consult Factory		
.170	4	Consult Factory	Consult Factory		
3/16	5	Consult Factory	Consult Factory		
7/32	5 1/2	Consult Factory	Consult Factory		
6mm	5 3/4	Consult Factory	Consult Factory		
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	RVT	#	-	#	-	LH	Left Hand Indicator
	Fitting Series		Larger Branch		Smaller Branch			

1/4-28 (4-28) Thread to Tube Reducing Right Hand V-Tees

254



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		

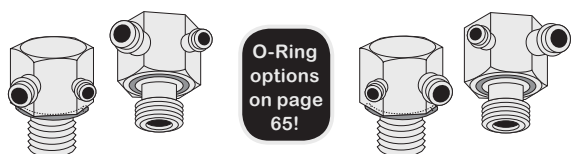
Branches		Dimensions (Reference)			
Tube ID	Branch #	A Ref.	B Typ.	C Ref.	D Ref.
5/32 / 4mm	3 1/2	Consult Factory	Consult Factory		
.170	4	Consult Factory	Consult Factory		
3/16	5	Consult Factory	Consult Factory		
7/32	5 1/2	Consult Factory	Consult Factory		
6mm	5 3/4	Consult Factory	Consult Factory		
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	RVT	#	-	#	-	RH	Right Hand Indicator
	Fitting Series		Larger Branch		Smaller 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

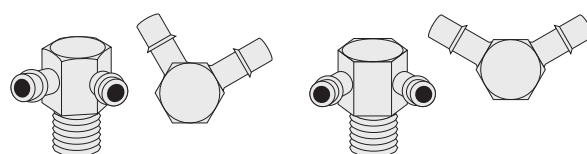
O-Ring options available! Consult factory for details!



O-Ring options on page 65!

Lead times & minimum quantities apply!

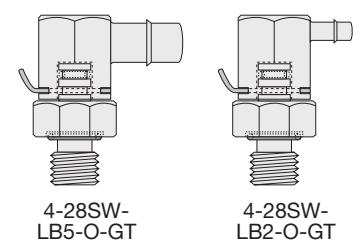
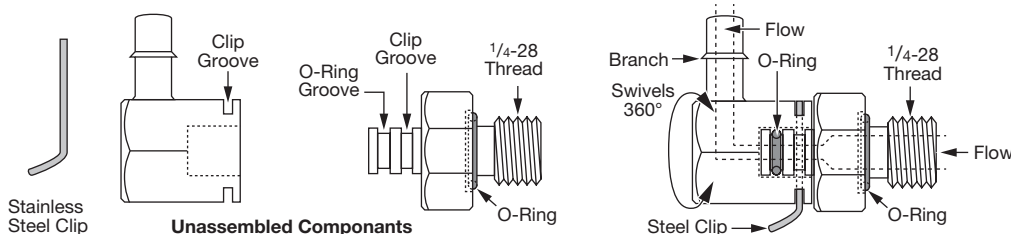
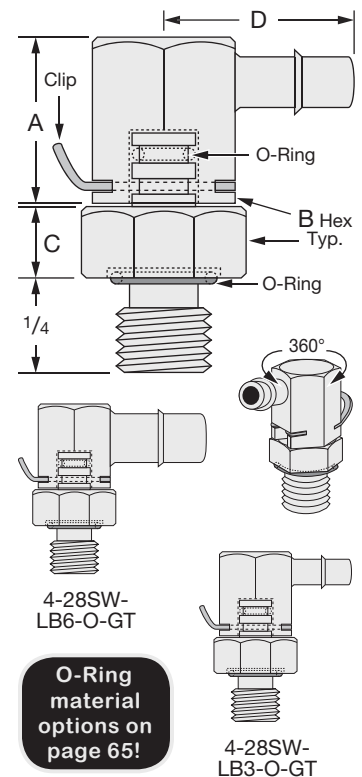
90° & 120° V-Tees available! Consult factory for details!



255

1/4-28 (4-28) Thread to Tube Swivel Elbows with Clip Groove

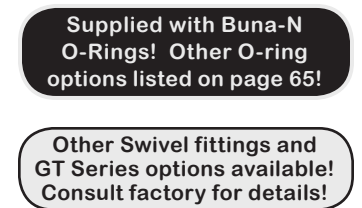
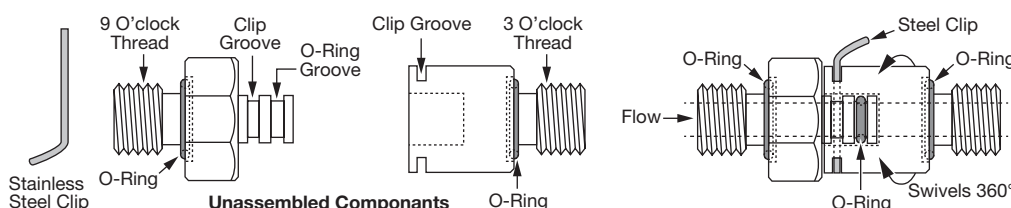
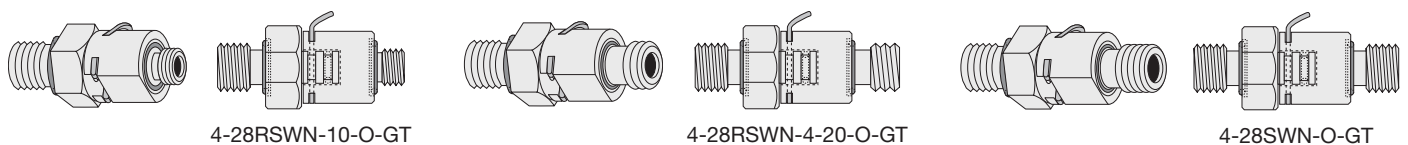
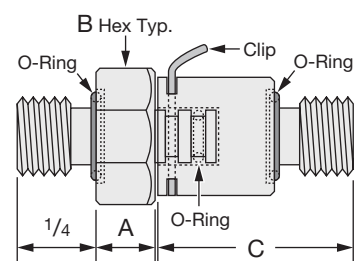
Tube ID	Part Numbers				Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/32	4-28SW-LB.031-O-GT	4-28SW-LB.031-O-GT-SS	4-28SW-LB.031-O-GT-316SS	4-28SW-LB.031-O-GT-NP	1/2	3/8	3/16	11/16
.040 / 1mm	4-28SW-LB.040-O-GT	4-28SW-LB.040-O-GT-SS	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



256

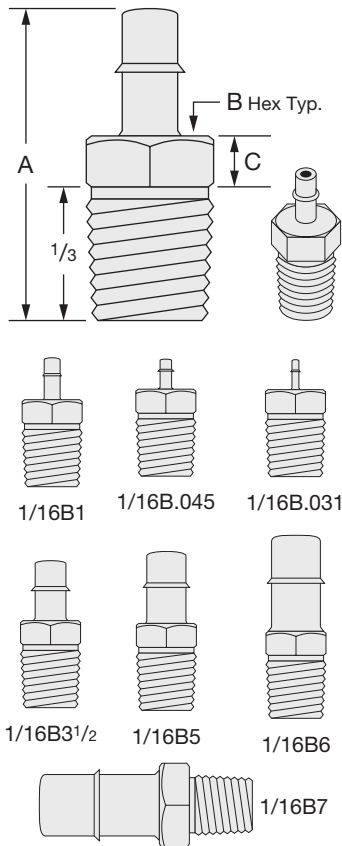
1/4-28 (4-28) Thread Swivel Nipples and Reducing Swivel Nipples

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	4-28RSWN-GT	4-28RSWN-GT-SS	4-28RSWN-GT-316SS	4-28RSWN-GT-AL	4-28RSWN-GT-NP	Consult Factory		
1/4-28	1/4-20	4-28RSWN-4-20-GT	4-28RSWN-4-20-GT-SS	4-28RSWN-4-20-GT-316SS	4-28RSWN-4-20-GT-AL	4-28RSWN-4-20-GT-NP	Consult Factory		
1/4-28	10-32	4-28RSWN-10-GT	4-28RSWN-10-GT-SS	4-28RSWN-10-GT-316SS	4-28RSWN-10-GT-AL	4-28RSWN-10-GT-NP	Consult Factory		



1/16 Male Thread to Tube

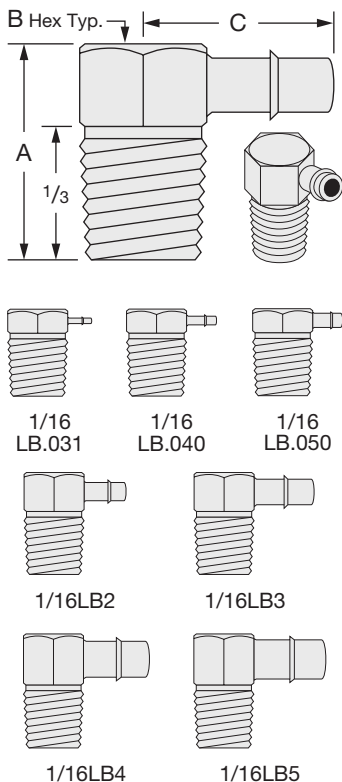
257



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	17/64	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

1/16 Male Thread to Tube Elbows

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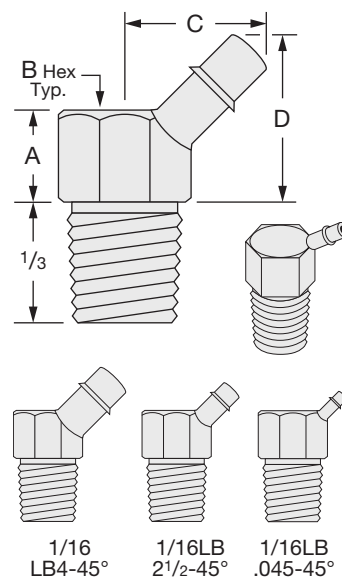


Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/16LB.031	1/16LB.031-SS	1/16LB.031-316SS	1/16LB.031-NP	29/64	5/16	5/16
.040 / 1mm	1/16LB.040	1/16LB.040-SS	1/16LB.040-316SS	1/16LB.040-NP	29/64	5/16	5/16
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	1 1/16
1/4	1/16LB6	1/16LB6-SS	1/16LB6-316SS	1/16LB6-NP	19/32	5/16	1 1/16

259

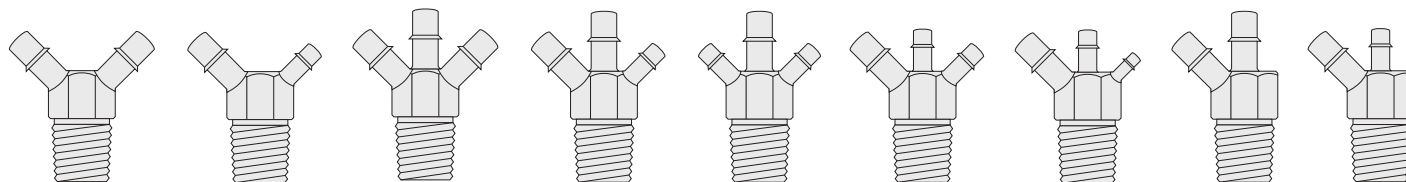
1/16 Male Thread to Tube 45° Elbows

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	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory
.050	1/16LB.050-45°	1/16LB.050-45°-SS	1/16LB.050-45°-316SS	1/16LB.050-45°-NP	1/4	5/16	Consult Factory	Consult Factory
1/16	1/16LB1-45°	1/16LB1-45°-SS	1/16LB1-45°-316SS	1/16LB1-45°-NP	1/4	5/16	Consult Factory	Consult Factory
5/64 / 2mm	1/16LB2-45°	1/16LB2-45°-SS	1/16LB2-45°-316SS	1/16LB2-45°-NP	1/4	5/16	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory
1/8	1/16LB3-45°	1/16LB3-45°-SS	1/16LB3-45°-316SS	1/16LB3-45°-NP	1/4	5/16	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory
.170	1/16LB4-45°	1/16LB4-45°-SS	1/16LB4-45°-316SS	1/16LB4-45°-NP	1/4	5/16	Consult Factory	Consult Factory



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.

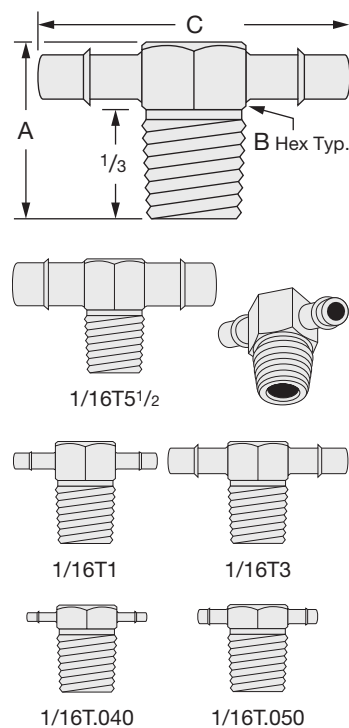
Custom 1/16 NPT Male Thread to Tube fittings available! Lead times apply! Consult factory for details!



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1/16 Male Thread to Tube Tees

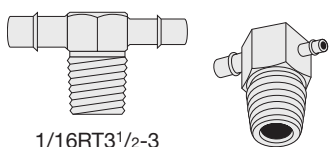
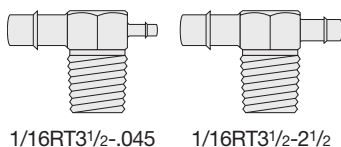
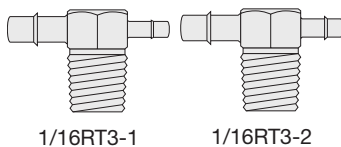
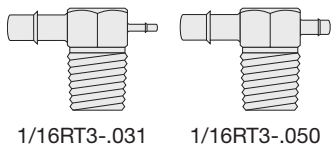
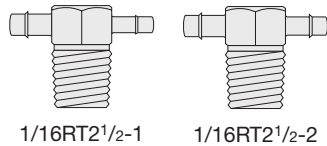
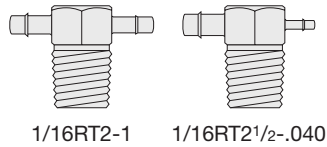
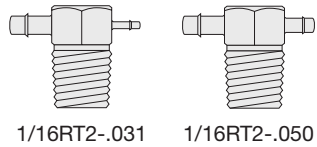
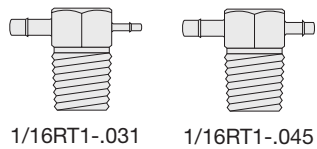
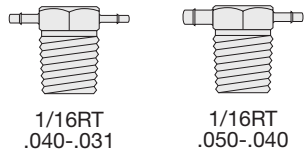
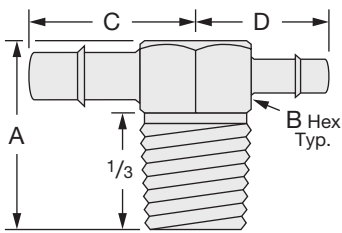
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/16T.031	1/16T.031-SS	1/16T.031-316SS	1/16T.031-NP	29/64	5/16	5/8
.040 / 1mm	1/16T.040	1/16T.040-SS	1/16T.040-316SS	1/16T.040-NP	29/64	5/16	5/8
3/64	1/16T.045	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



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

1/16 Male Thread to Tube Reducing Tees

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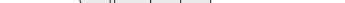
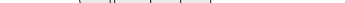
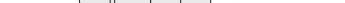
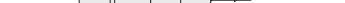
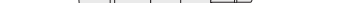
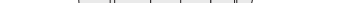
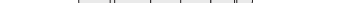
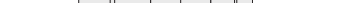
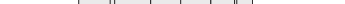
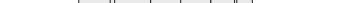
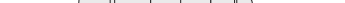
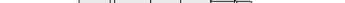
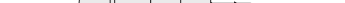
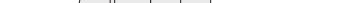
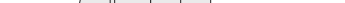
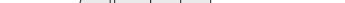
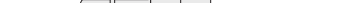
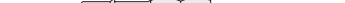
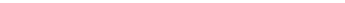
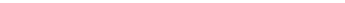
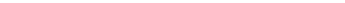
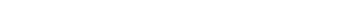
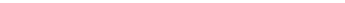
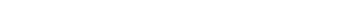
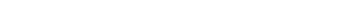
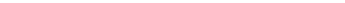
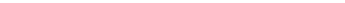
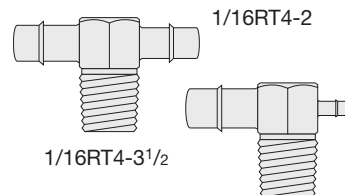
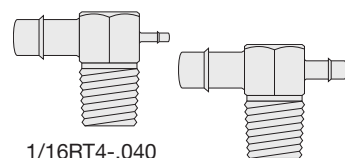
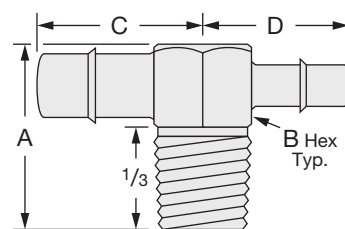
Note:
Dimensions may vary at time of manufacturing.

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	1/16RT2 1/2-.031	1/16RT2 1/2-.031-SS	1/16RT2 1/2-.031-316SS	1/16RT2 1/2-.031-NP	17/32	5/16	3/8	5/16
3/32	.040 / 1mm	1/16RT2 1/2-.040	1/16RT2 1/2-.040-SS	1/16RT2 1/2-.040-316SS	1/16RT2 1/2-.040-NP	17/32	5/16	3/8	5/16
3/32	3/64	1/16RT2 1/2-.045	1/16RT2 1/2-.045-SS	1/16RT2 1/2-.045-316SS	1/16RT2 1/2-.045-NP	17/32	5/16	3/8	5/16
3/32	.050	1/16RT2 1/2-.050	1/16RT2 1/2-.050-SS	1/16RT2 1/2-.050-316SS	1/16RT2 1/2-.050-NP	17/32	5/16	3/8	5/16
3/32	1/16	1/16RT2 1/2-1	1/16RT2 1/2-1-SS	1/16RT2 1/2-1-316SS	1/16RT2 1/2-1-NP	17/32	5/16	3/8	3/8
3/32	5/64 / 2mm	1/16RT2 1/2-2	1/16RT2 1/2-2-SS	1/16RT2 1/2-2-316SS	1/16RT2 1/2-2-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	1/16RT3-2 1/2	1/16RT3-2 1/2-SS	1/16RT3-2 1/2-316SS	1/16RT3-2 1/2-NP	17/32	5/16	15/32	3/8
5/32 / 4mm	1/32	1/16RT3 1/2-.031	1/16RT3 1/2-.031-SS	1/16RT3 1/2-.031-316SS	1/16RT3 1/2-.031-NP	17/32	5/16	15/32	5/16
5/32 / 4mm	.040 / 1mm	1/16RT3 1/2-.040	1/16RT3 1/2-.040-SS	1/16RT3 1/2-.040-316SS	1/16RT3 1/2-.040-NP	17/32	5/16	15/32	5/16
5/32 / 4mm	3/64	1/16RT3 1/2-.045	1/16RT3 1/2-.045-SS	1/16RT3 1/2-.045-316SS	1/16RT3 1/2-.045-NP	17/32	5/16	15/32	5/16
5/32 / 4mm	.050	1/16RT3 1/2-.050	1/16RT3 1/2-.050-SS	1/16RT3 1/2-.050-316SS	1/16RT3 1/2-.050-NP	17/32	5/16	15/32	5/16
5/32 / 4mm	1/16	1/16RT3 1/2-1	1/16RT3 1/2-1-SS	1/16RT3 1/2-1-316SS	1/16RT3 1/2-1-NP	17/32	5/16	15/32	3/8
5/32 / 4mm	5/64 / 2mm	1/16RT3 1/2-2	1/16RT3 1/2-2-SS	1/16RT3 1/2-2-316SS	1/16RT3 1/2-2-NP	17/32	5/16	15/32	3/8
5/32 / 4mm	3/32	1/16RT3 1/2-2 1/2	1/16RT3 1/2-2 1/2-SS	1/16RT3 1/2-2 1/2-316SS	1/16RT3 1/2-2 1/2-NP	17/32	5/16	15/32	3/8
5/32 / 4mm	1/8	1/16RT3 1/2-3	1/16RT3 1/2-3-SS	1/16RT3 1/2-3-316SS	1/16RT3 1/2-3-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

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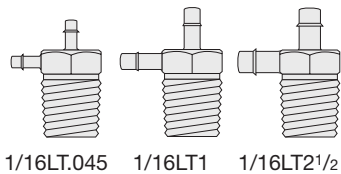
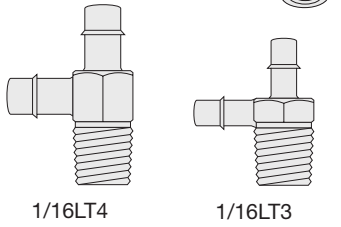
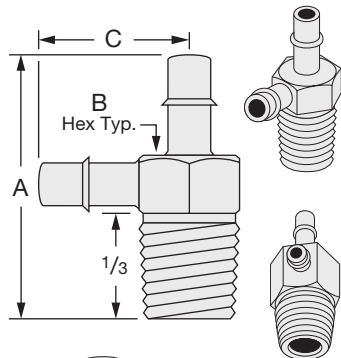
1/16 Male Thread to Tube Reducing Tees

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.
.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	1 1/16	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	1 1/16	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	1 1/16	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	1 1/16	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	1 1/16	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	1 1/16	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	1 1/16	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	1 1/16	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	1 1/16	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	1 1/16	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	1 1/16	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	1 1/16	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	1 1/16	15/32
1/4	.170	1/16RT6-4	1/16RT6-4-SS	1/16RT6-4-316SS	1/16RT6-4-NP	19/32	5/16	1 1/16	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	1 1/16	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	1 1/16	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	1 1/16	1 1/16



1/16 Male Thread to Tube L-Tees

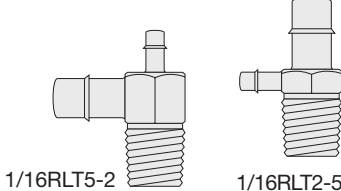
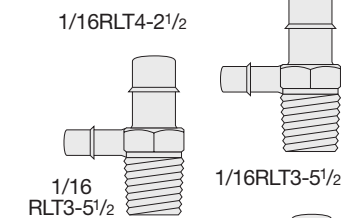
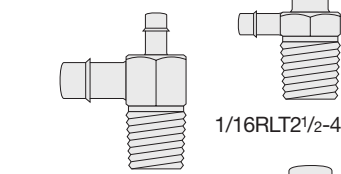
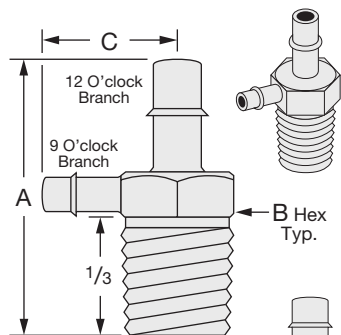
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Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/16LT.031	1/16LT.031-SS	1/16LT.031-316SS	1/16LT.031-NP	39/64	5/16	5/16
.040 / 1mm	1/16LT.040	1/16LT.040-SS	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	15/64	5/16	11/16
1/4	1/16LT6	1/16LT6-SS	1/16LT6-316SS	1/16LT6-NP	15/64	5/16	11/16

1/16 Male Thread to Tube Reducing L-Tees

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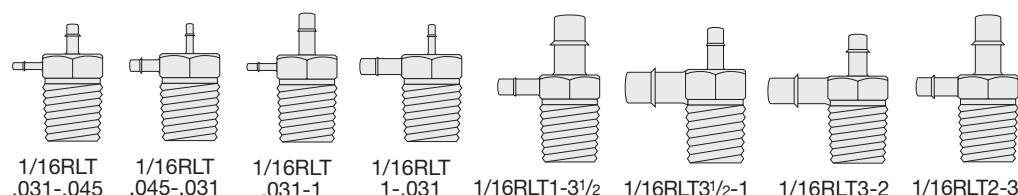


Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/32	.031	Consult Factory	5/16	5/16
.040 / 1mm	.040		5/16	5/16
3/64	.045		5/16	5/16
.050	.050		5/16	5/16
1/16	1		5/16	3/8
5/64 / 2mm	2		5/16	3/8
3/32	2 1/2		5/16	3/8

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/8	3	49/64	5/16	15/32
5/32 / 4mm	3 1/2	49/64	5/16	15/32
.170	4	15/16	5/16	1/2
3/16	5	31/32	5/16	17/32
7/32	5 1/2	31/32	5/16	17/32
6mm	5 3/4	15/64	5/16	11/16
1/4	6	15/64	5/16	11/16

Part Numbers for 1/16 Male Thread to Tube Reducing L-Tees:

Thread Size	1/16	RLT	#	-	#	12 O'clock Branch #
Fitting Series						
						9 O'clock Branch #

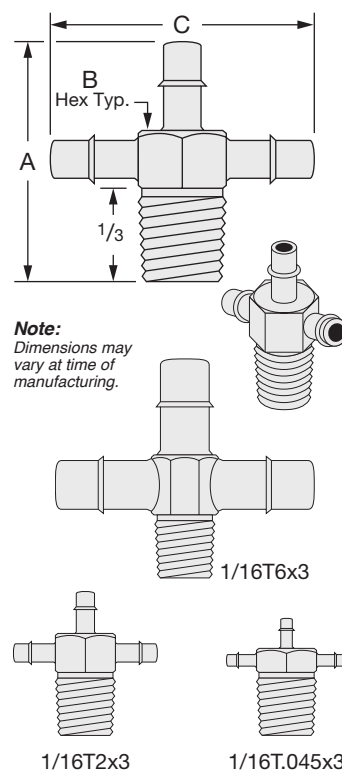


Unless otherwise specified, parts will be Brass. To order other materials, add the following codes to the part number:
-SS = Stainless Steel 303 **-316SS = Stainless Steel 316** **-NP = Electroless Nickel Plate**

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1/16 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	1/16T.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

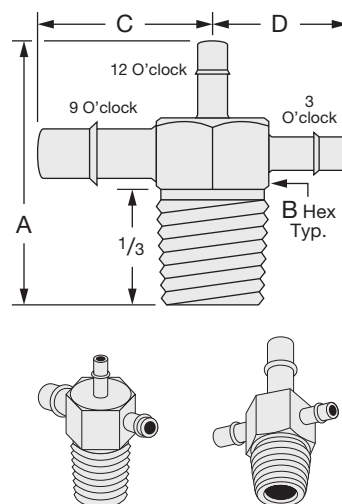


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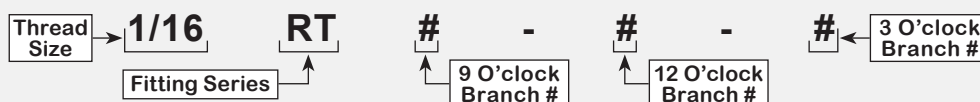
1/16 Male Thread to Tube Custom Reducing Tees x 3

Branches		Dimensions (Reference)			
Tube ID	Branch Number	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		43/64	3/8	3/8
5/64 / 2mm	2		43/64	5/16	3/8
3/32	2 1/2	43/64	5/16	3/8	3/8

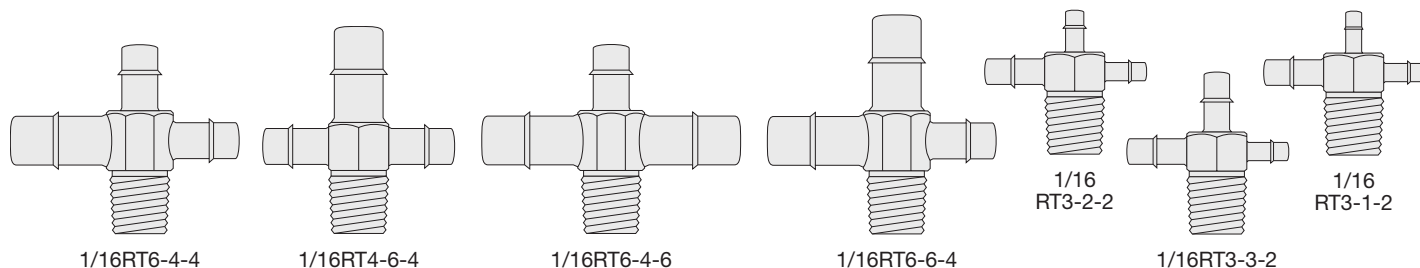
Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/8	3	49/64	5/16	15/32	15/32
5/32 / 4mm	3 1/2	49/64	5/16	15/32	15/32
.170	4	15/16	5/16	1/2	1/2
3/16	5	31/32	5/16	17/32	17/32
7/32	5 1/2	31/32	5/16	17/32	17/32
6mm	5 3/4	15/64	5/16	1 1/16	1 1/16
1/4	6	15/64	5/16	1 1/16	1 1/16



Part Numbers for 1/16 Male Thread to Tube Reducing Tees x 3:

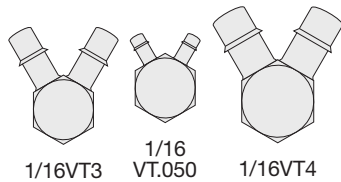
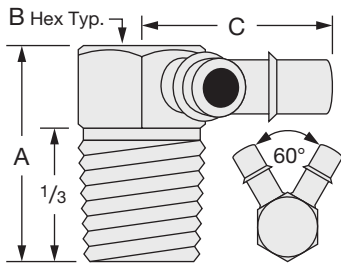


Material options listed on previous page!



1/16 Male Thread to Tube V-Tees (Standard 60°)

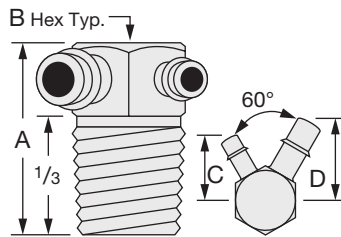
267



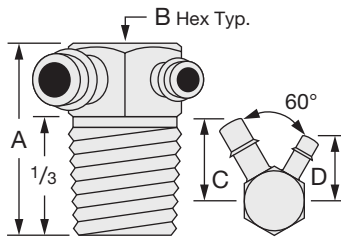
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/16VT.031	1/16VT.031-SS	1/16VT.031-316SS	1/16VT.031-NP	29/64	5/16	5/16
.040 / 1mm	1/16VT.040	1/16VT.040-SS	1/16VT.040-316SS	1/16VT.040-NP	29/64	5/16	5/16
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 Male Thread to Tube Left-Hand or Right-Hand Reducing V-Tees

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Top View: Left-hand Reducing VT's have the (smaller) Reducing Branch on the left.



Top View: Right-hand Reducing VT's have the (smaller) Reducing Branch on the right.

Branches		Dimensions (Reference)			
Tube ID	Branch Number	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		17/32	5/16	3/8
5/64 / 2mm	2	17/32	5/16	3/8	3/8

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

Material options listed below!

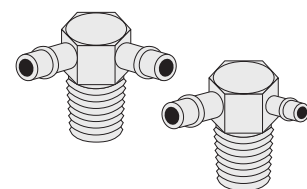
Part Numbers for 1/16 NPT Thread to Tube Reducing Left-Hand V-Tees:

Thread Size	1/16	RVT	#	-	#	-	LH	Left Hand Indicator
Fitting Series			Larger Branch #		Smaller Branch #			

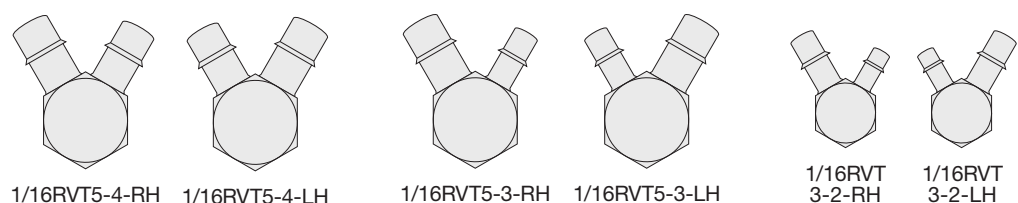
Part Numbers for 1/16 NPT Thread to Tube Reducing Right-Hand V-Tees:

Thread Size	1/16	RVT	#	-	#	-	RH	Right Hand Indicator
Fitting Series			Larger Branch #		Smaller Branch #			

120° V-Tees also available!



Consult factory for details!

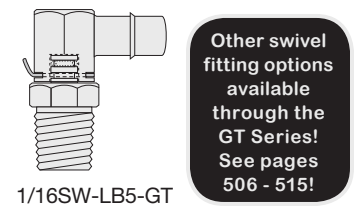
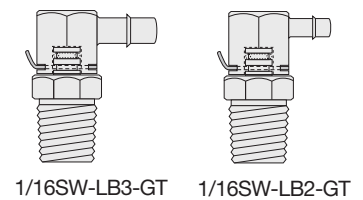
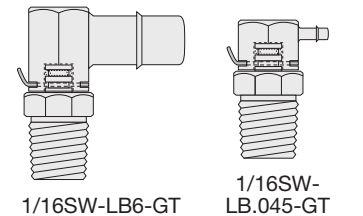
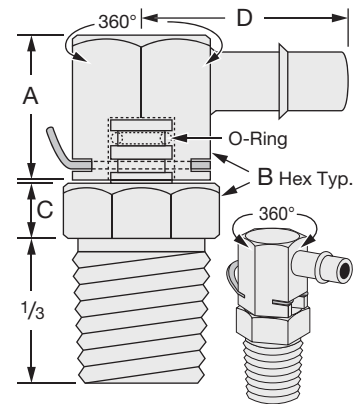


Unless otherwise specified, parts will be Brass. To order other materials, add the following codes to the part number:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

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1/16 Male Thread to Tube Swivel Elbows with Clip Groove

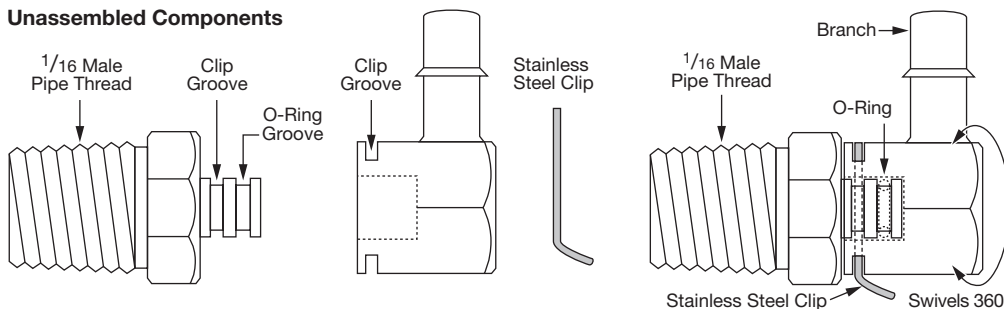
Tube ID	Part Numbers				Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/32	1/16SW-LB.031-GT	1/16SW-LB.031-GT-SS	1/16SW-LB.031-GT-316SS	1/16SW-LB.031-GT-NP	Consult Factory			
.040 / 1mm	1/16SW-LB.040-GT	1/16SW-LB.040-GT-SS	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			



Other swivel fitting options available through the GT Series! See pages 506 - 515!

Note: Images are for visual representation only.

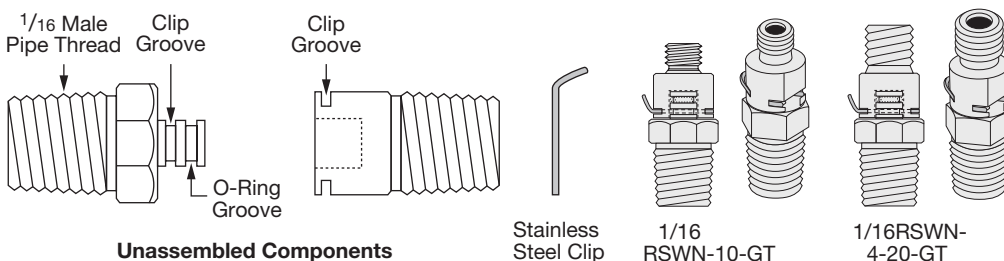
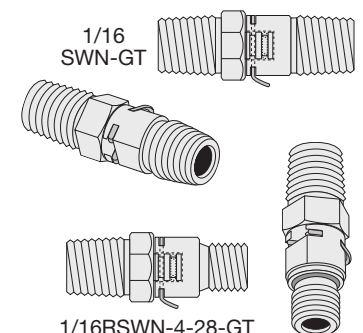
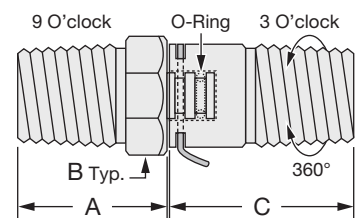
Unassembled Components



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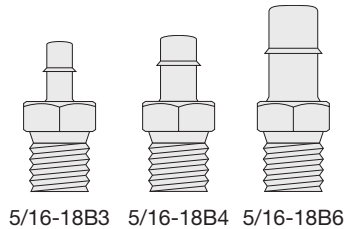
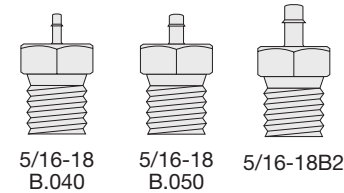
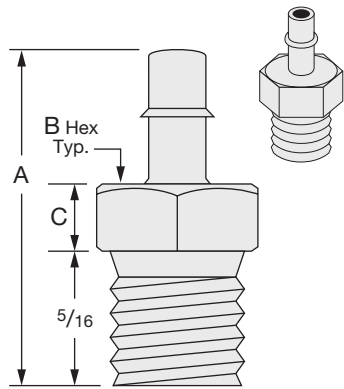
1/16 Thread Swivel Nipples and Reducing Swivel Nipples

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	Factory	Factory	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	Factory	Factory	Factory
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	Consult	Consult	Consult
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	Consult	Consult	Consult



5/16-18 Male Thread to Tube

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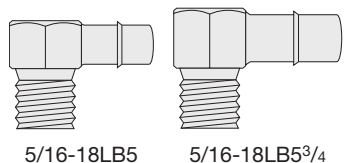
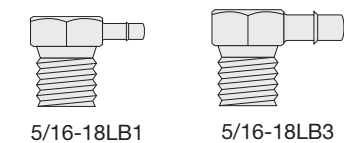
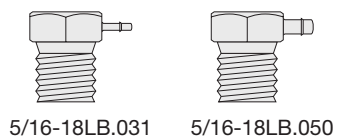
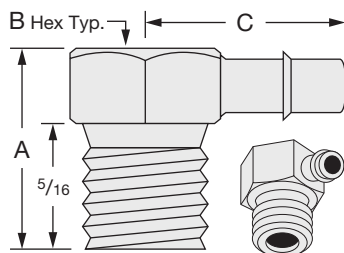


O-Ring options also available!

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	1 1/16	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	1 1/16	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	1 1/16	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	3/8	5/32

5/16-18 Male Thread to Tube Elbows

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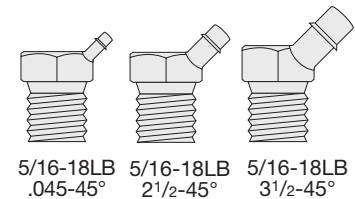
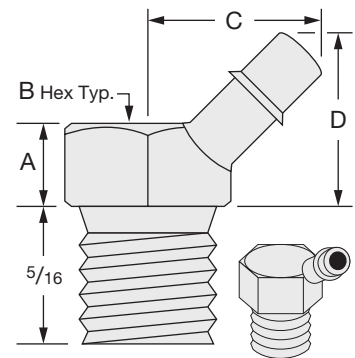
Note: Images are for visual representation only; not intended for dimensional measurements.

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	5/16-18LB.031	5/16-18LB.031-SS	5/16-18LB.031-316SS	5/16-18LB.031-NP	15/32	3/8	1 1/32
.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	1 1/32
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	1 1/32
.050	5/16-18LB.050	5/16-18LB.050-SS	5/16-18LB.050-316SS	5/16-18LB.050-NP	15/32	3/8	1 1/32
1/16	5/16-18LB1	5/16-18LB1-SS	5/16-18LB1-316SS	5/16-18LB1-NP	15/32	3/8	1 3/32
5/64 / 2mm	5/16-18LB2	5/16-18LB2-SS	5/16-18LB2-316SS	5/16-18LB2-NP	15/32	3/8	1 3/32
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	1 3/32
1/8	5/16-18LB3	5/16-18LB3-SS	5/16-18LB3-316SS	5/16-18LB3-NP	15/32	3/8	1 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	15/32	3/8	1 1/2
.170	5/16-18LB4	5/16-18LB4-SS	5/16-18LB4-316SS	5/16-18LB4-NP	15/32	3/8	1 7/32
3/16	5/16-18LB5	5/16-18LB5-SS	5/16-18LB5-316SS	5/16-18LB5-NP	1 1/2	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	1 1/2	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		

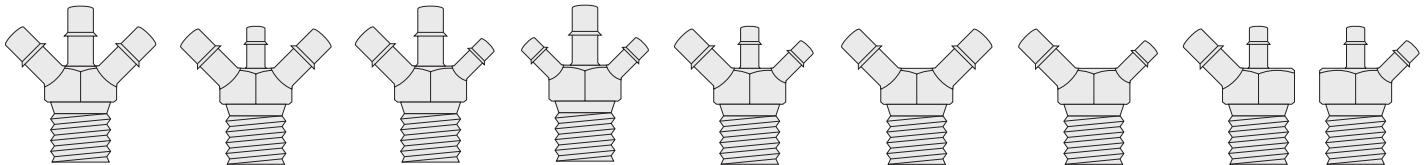
273

5/16-18 Male Thread to Tube 45° Elbows

Tube ID	Part Numbers				Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	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	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory
.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	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory
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	15/32	3/8	Consult Factory	Consult Factory
.170	5/16-18LB4-45°	5/16-18LB4-45°-SS	5/16-18LB4-45°-316SS	5/16-18LB4-45°-NP	15/32	3/8	Consult Factory	Consult Factory



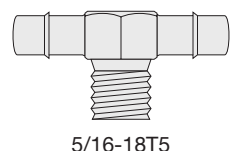
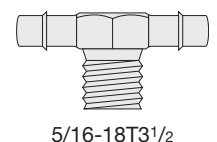
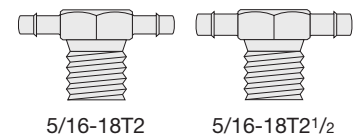
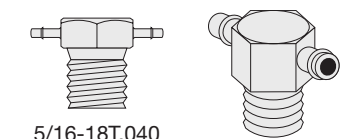
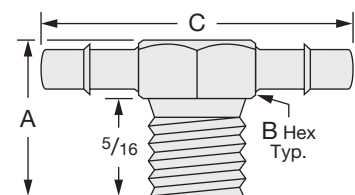
Custom 5/16-18 male thread fittings available! Lead times & minimum quantities apply! Consult factory for details!



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5/16-18 Male Thread to Tube Tees

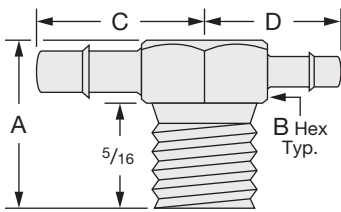
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	5/16-18T.031	5/16-18T.031-SS	5/16-18T.031-316SS	5/16-18T.031-NP	15/32	3/8	1 1/16
.040 / 1mm	5/16-18T.040	5/16-18T.040-SS	5/16-18T.040-316SS	5/16-18T.040-NP	15/32	3/8	1 1/16
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	1 1/16
.050	5/16-18T.050	5/16-18T.050-SS	5/16-18T.050-316SS	5/16-18T.050-NP	15/32	3/8	1 1/16
1/16	5/16-18T1	5/16-18T1-SS	5/16-18T1-316SS	5/16-18T1-NP	15/32	3/8	1 3/16
5/64 / 2mm	5/16-18T2	5/16-18T2-SS	5/16-18T2-316SS	5/16-18T2-NP	15/32	3/8	1 3/16
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	1 3/16
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	15/32	3/8	1
.170	5/16-18T4	5/16-18T4-SS	5/16-18T4-316SS	5/16-18T4-NP	15/32	3/8	1 1/16
3/16	5/16-18T5	5/16-18T5-SS	5/16-18T5-316SS	5/16-18T5-NP	1/2	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	1/2	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		



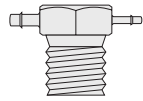
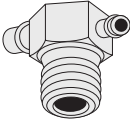
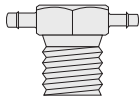
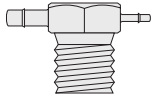
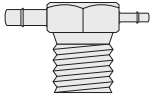
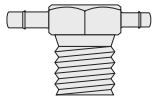
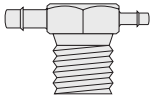
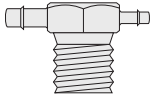
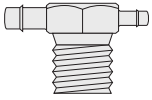
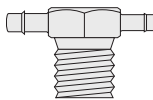
O-Ring options available! Material options listed on page 65! Consult factory for details!

5/16-18 Male Thread to Tube Reducing Tees

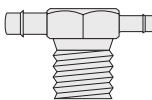
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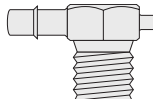
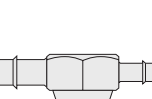
O-Ring options
also available!
Consult factory
for details!

5/16-18RT
.045-.0315/16-18RT
.050-.0455/16-18RT
1-.0315/16-18RT
1-.0405/16-18RT
1-.0505/16-18RT
2-.0455/16-18RT
2-.0455/16-18RT
2 1/2-.050

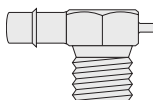
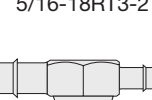
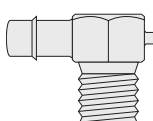
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5/16-18RT2 1/2-1

5/16-18RT
3-.050

5/16-18RT3-2

5/16-18RT
3 1/2-.0405/16-18RT
3 1/2-2 1/2

5/16-18RT4-.045

Continued on
next page

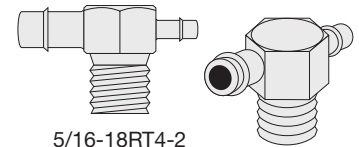
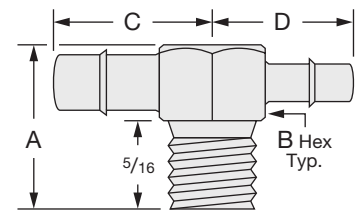
Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
.040 / 1mm	1/32	5/16-18RT .040-.031	5/16-18 RT.040-.031-SS	5/16-18 RT.040-.031-316SS	5/16-18 RT.040-.031-NP	1 1/32	3/8	1 1/32	1 1/32
3/64	1/32	5/16-18RT .045-.031	5/16-18 RT.045-.031-SS	5/16-18 RT.045-.031-316SS	5/16-18 RT.045-.031-NP	1 1/32	3/8	1 1/32	1 1/32
3/64	.040 / 1mm	5/16-18RT .045-.040	5/16-18 RT.045-.040-SS	5/16-18 RT.045-.040-316SS	5/16-18 RT.045-.040-NP	1 1/32	3/8	1 1/32	1 1/32
.050	1/32	5/16-18RT .050-.031	5/16-18 RT.050-.031-SS	5/16-18 RT.050-.031-316SS	5/16-18 RT.050-.031-NP	1 1/32	3/8	1 1/32	1 1/32
.050	.040 / 1mm	5/16-18RT .050-.040	5/16-18 RT.050-.040-SS	5/16-18 RT.050-.040-316SS	5/16-18 RT.050-.040-NP	1 1/32	3/8	1 1/32	1 1/32
.050	1/64	5/16-18RT .050-.045	5/16-18 RT.050-.045-SS	5/16-18 RT.050-.045-316SS	5/16-18 RT.050-.045-NP	1 1/32	3/8	1 1/32	1 1/32
1/16	1/32	5/16-18RT 1-.031	5/16-18 RT1-.031-SS	5/16-18 RT1-.031-316SS	5/16-18 RT1-.031-NP	1 1/32	3/8	1 3/32	1 1/32
1/16	.040 / 1mm	5/16-18RT 1-.040	5/16-18 RT1-.040-SS	5/16-18 RT1-.040-316SS	5/16-18 RT1-.040-NP	1 1/32	3/8	1 3/32	1 1/32
1/16	3/64	5/16-18RT 1-.045	5/16-18 RT1-.045-SS	5/16-18 RT1-.045-316SS	5/16-18 RT1-.045-NP	1 1/32	3/8	1 3/32	1 1/32
1/16	.050	5/16-18RT 1-.050	5/16-18 RT1-.050-SS	5/16-18 RT1-.050-316SS	5/16-18 RT1-.050-NP	1 1/32	3/8	1 3/32	1 1/32
5/64 / 2mm	1/32	5/16-18RT 2-.031	5/16-18 RT2-.031-SS	5/16-18 RT2-.031-316SS	5/16-18 RT2-.031-NP	1 1/32	3/8	1 3/32	1 1/32
5/64 / 2mm	.040 / 1mm	5/16-18RT 2-.040	5/16-18 RT2-.040-SS	5/16-18 RT2-.040-316SS	5/16-18 RT2-.040-NP	1 1/32	3/8	1 3/32	1 1/32
5/64 / 2mm	3/64	5/16-18RT 2-.045	5/16-18 RT2-.045-SS	5/16-18 RT2-.045-316SS	5/16-18 RT2-.045-NP	1 1/32	3/8	1 3/32	1 1/32
5/64 / 2mm	.050	5/16-18RT 2-.050	5/16-18 RT2-.050-SS	5/16-18 RT2-.050-316SS	5/16-18 RT2-.050-NP	1 1/32	3/8	1 3/32	1 1/32
5/64 / 2mm	1/16	5/16-18RT 2-1	5/16-18 RT2-1-SS	5/16-18 RT2-1-316SS	5/16-18 RT2-1-NP	1 1/32	3/8	1 3/32	1 3/32
3/32	1/32	5/16-18RT 2 1/2-.031	5/16-18 RT2 1/2-.031-SS	5/16-18 RT2 1/2-.031-316SS	5/16-18 RT2 1/2-.031-NP	1 1/32	3/8	1 3/32	1 1/32
3/32	.040 / 1mm	5/16-18RT 2 1/2-.040	5/16-18 RT2 1/2-.040-SS	5/16-18 RT2 1/2-.040-316SS	5/16-18 RT2 1/2-.040-NP	1 1/32	3/8	1 3/32	1 1/32
3/32	3/64	5/16-18RT 2 1/2-.045	5/16-18 RT2 1/2-.045-SS	5/16-18 RT2 1/2-.045-316SS	5/16-18 RT2 1/2-.045-NP	1 1/32	3/8	1 3/32	1 1/32
3/32	.050	5/16-18RT 2 1/2-.050	5/16-18 RT2 1/2-.050-SS	5/16-18 RT2 1/2-.050-316SS	5/16-18 RT2 1/2-.050-NP	1 1/32	3/8	1 3/32	1 1/32
3/32	1/16	5/16-18RT 2 1/2-1	5/16-18 RT2 1/2-1-SS	5/16-18 RT2 1/2-1-316SS	5/16-18 RT2 1/2-1-NP	1 1/32	3/8	1 3/32	1 3/32
3/32	5/64 / 2mm	5/16-18RT 2 1/2-2	5/16-18 RT2 1/2-2-SS	5/16-18 RT2 1/2-2-316SS	5/16-18 RT2 1/2-2-NP	1 1/32	3/8	1 3/32	1 3/32
1/8	1/32	5/16-18RT 3-.031	5/16-18 RT3-.031-SS	5/16-18 RT3-.031-316SS	5/16-18 RT3-.031-NP	1 1/32	3/8	1 1/2	1 1/32
1/8	.040 / 1mm	5/16-18RT 3-.040	5/16-18 RT3-.040-SS	5/16-18 RT3-.040-316SS	5/16-18 RT3-.040-NP	1 1/32	3/8	1 1/2	1 1/32
1/8	3/64	5/16-18RT 3-.045	5/16-18 RT3-.045-SS	5/16-18 RT3-.045-316SS	5/16-18 RT3-.045-NP	1 1/32	3/8	1 1/2	1 1/32
1/8	.050	5/16-18RT 3-.050	5/16-18 RT3-.050-SS	5/16-18 RT3-.050-316SS	5/16-18 RT3-.050-NP	1 1/32	3/8	1 1/2	1 1/32
1/8	1/16	5/16-18RT 3-1	5/16-18 RT3-1-SS	5/16-18 RT3-1-316SS	5/16-18 RT3-1-NP	1 1/32	3/8	1 1/2	1 3/32
1/8	5/64 / 2mm	5/16-18RT 3-2	5/16-18 RT3-2-SS	5/16-18 RT3-2-316SS	5/16-18 RT3-2-NP	1 1/32	3/8	1 1/2	1 3/32
1/8	3/32	5/16-18RT 3-2 1/2	5/16-18 RT3-2 1/2-SS	5/16-18 RT3-2 1/2-316SS	5/16-18 RT3-2 1/2-NP	1 1/32	3/8	1 1/2	1 3/32
5/32 / 4mm	1/32	5/16-18RT 3 1/2-.031	5/16-18 RT3 1/2-.031-SS	5/16-18 RT3 1/2-.031-316SS	5/16-18 RT3 1/2-.031-NP	1 1/32	3/8	1 1/2	1 1/32
5/32 / 4mm	.040 / 1mm	5/16-18RT 3 1/2-.040	5/16-18 RT3 1/2-.040-SS	5/16-18 RT3 1/2-.040-316SS	5/16-18 RT3 1/2-.040-NP	1 1/32	3/8	1 1/2	1 1/32
5/32 / 4mm	3/64	5/16-18RT 3 1/2-.045	5/16-18 RT3 1/2-.045-SS	5/16-18 RT3 1/2-.045-316SS	5/16-18 RT3 1/2-.045-NP	1 1/32	3/8	1 1/2	1 1/32
5/32 / 4mm	.050	5/16-18RT 3 1/2-.050	5/16-18 RT3 1/2-.050-SS	5/16-18 RT3 1/2-.050-316SS	5/16-18 RT3 1/2-.050-NP	1 1/32	3/8	1 1/2	1 1/32
5/32 / 4mm	1/16	5/16-18RT 3 1/2-1	5/16-18 RT3 1/2-1-SS	5/16-18 RT3 1/2-1-316SS	5/16-18 RT3 1/2-1-NP	1 1/32	3/8	1 1/2	1 3/32
5/32 / 4mm	5/64 / 2mm	5/16-18RT 3 1/2-2	5/16-18 RT3 1/2-2-SS	5/16-18 RT3 1/2-2-316SS	5/16-18 RT3 1/2-2-NP	1 1/32	3/8	1 1/2	1 3/32
5/32 / 4mm	3/32	5/16-18RT 3 1/2-2 1/2	5/16-18 RT3 1/2-2 1/2-SS	5/16-18 RT3 1/2-2 1/2-316SS	5/16-18 RT3 1/2-2 1/2-NP	1 1/32	3/8	1 1/2	1 3/32
5/32 / 4mm	1/8	5/16-18RT 3 1/2-3	5/16-18 RT3 1/2-3-SS	5/16-18 RT3 1/2-3-316SS	5/16-18 RT3 1/2-3-NP	1 1/32	3/8	1 1/2	1 1/2
.170	1/32	5/16-18RT 4-.031	5/16-18 RT4-.031-SS	5/16-18 RT4-.031-316SS	5/16-18 RT4-.031-NP	1 1/32	3/8	1 7/32	1 1/32
.170	.040 / 1mm	5/16-18RT 4-.040	5/16-18 RT4-.040-SS	5/16-18 RT4-.040-316SS	5/16-18 RT4-.040-NP	1 1/32	3/8	1 7/32	1 1/32
.170	3/64	5/16-18RT 4-.045	5/16-18 RT4-.045-SS	5/16-18 RT4-.045-316SS	5/16-18 RT4-.045-NP	1 1/32	3/8	1 7/32	1 1/32
.170	.050	5/16-18RT 4-.050	5/16-18 RT4-.050-SS	5/16-18 RT4-.050-316SS	5/16-18 RT4-.050-NP	1 1/32	3/8	1 7/32	1 1/32

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

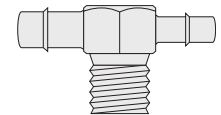
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5/16-18 Male Thread to Tube Reducing Tees (continued)

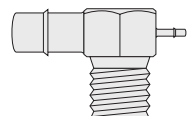
Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
.170	1/16	5/16-18RT 4-1	5/16-18 RT4-1-SS	5/16-18 RT4-1-316SS	5/16-18 RT4-1-NP	11/32	3/8	17/32	13/32
.170	5/64 / 2mm	5/16-18RT 4-2	5/16-18 RT4-2-SS	5/16-18 RT4-2-316SS	5/16-18 RT4-2-NP	11/32	3/8	17/32	13/32
.170	3/32	5/16-18RT 4-2 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	11/32	3/8	17/32	13/32
.170	1/8	5/16-18RT 4-3	5/16-18 RT4-3-SS	5/16-18 RT4-3-316SS	5/16-18 RT4-3-NP	11/32	3/8	17/32	1/2
.170	5/32 / 4mm	5/16-18RT 4-3 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	11/32	3/8	17/32	1/2
3/16	1/32	5/16-18RT 5-.031	5/16-18 RT5-.031-SS	5/16-18 RT5-.031-316SS	5/16-18 RT5-.031-NP	1/2	3/8	9/16	11/32
3/16	.040 / 1mm	5/16-18RT 5-.040	5/16-18 RT5-.040-SS	5/16-18 RT5-.040-316SS	5/16-18 RT5-.040-NP	1/2	3/8	9/16	11/32
3/16	3/64	5/16-18RT 5-.045	5/16-18 RT5-.045-SS	5/16-18 RT5-.045-316SS	5/16-18 RT5-.045-NP	1/2	3/8	9/16	11/32
3/16	.050	5/16-18RT 5-.050	5/16-18 RT5-.050-SS	5/16-18 RT5-.050-316SS	5/16-18 RT5-.050-NP	1/2	3/8	9/16	11/32
3/16	1/16	5/16-18RT 5-1	5/16-18 RT5-1-SS	5/16-18 RT5-1-316SS	5/16-18 RT5-1-NP	1/2	3/8	9/16	13/32
3/16	5/64 / 2mm	5/16-18RT 5-2	5/16-18 RT5-2-SS	5/16-18 RT5-2-316SS	5/16-18 RT5-2-NP	1/2	3/8	9/16	13/32
3/16	3/32	5/16-18RT 5-2 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	1/2	3/8	9/16	13/32
3/16	1/8	5/16-18RT 5-3	5/16-18 RT5-3-SS	5/16-18 RT5-3-316SS	5/16-18 RT5-3-NP	1/2	3/8	9/16	1/2
3/16	5/32 / 4mm	5/16-18RT 5-3 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	1/2	3/8	9/16	1/2
3/16	.170	5/16-18RT 5-4	5/16-18 RT5-4-SS	5/16-18 RT5-4-316SS	5/16-18 RT5-4-NP	1/2	3/8	9/16	21/32
7/32	1/16	5/16-18RT 5 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	1/2	3/8	9/16	13/32
7/32	5/64 / 2mm	5/16-18RT 5 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	1/2	3/8	9/16	13/32
7/32	3/32	5/16-18RT 5 1/2-2 1/2	5/16-18 RT5 1/2-2 1/2-SS	5/16-18 RT5 1/2-2 1/2-316SS	5/16-18 RT5 1/2-2 1/2-NP	1/2	3/8	9/16	13/32
7/32	1/8	5/16-18RT 5 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	1/2	3/8	9/16	1/2
7/32	5/32 / 4mm	5/16-18RT 5 1/2-3 1/2	5/16-18 RT5 1/2-3 1/2-SS	5/16-18 RT5 1/2-3 1/2-316SS	5/16-18 RT5 1/2-3 1/2-NP	1/2	3/8	9/16	1/2
7/32	.170	5/16-18RT 5 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	1/2	3/8	9/16	21/32
7/32	3/16	5/16-18RT 5 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	1/2	3/8	9/16	9/16
6mm	1/16	5/16-18RT 5 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	Consult Factory	Consult Factory	Consult Factory
6mm	5/64 / 2mm	5/16-18RT 5 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				
6mm	3/32	5/16-18RT 5 3/4-2 1/2	5/16-18 RT5 3/4-2 1/2-SS	5/16-18 RT5 3/4-2 1/2-316SS	5/16-18 RT5 3/4-2 1/2-NP				
6mm	1/8	5/16-18RT 5 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				
6mm	5/32 / 4mm	5/16-18RT 5 3/4-3 1/2	5/16-18 RT5 3/4-3 1/2-SS	5/16-18 RT5 3/4-3 1/2-316SS	5/16-18 RT5 3/4-3 1/2-NP				
6mm	.170	5/16-18RT 5 3/4-4	5/16-18 RT5 3/4-4-SS	5/16-18 RT5 3/4-4-316SS	5/16-18 RT5 3/4-4-NP				
6mm	3/16	5/16-18RT 5 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				
6mm	7/32	5/16-18RT 5 3/4-5 1/2	5/16-18 RT5 3/4-5 1/2-SS	5/16-18 RT5 3/4-5 1/2-316SS	5/16-18 RT5 3/4-5 1/2-NP				
1/4	1/16	5/16-18RT 6-1	5/16-18 RT6-1-SS	5/16-18 RT6-1-316SS	5/16-18 RT6-1-NP				
1/4	5/64 / 2mm	5/16-18RT 6-2	5/16-18 RT6-2-SS	5/16-18 RT6-2-316SS	5/16-18 RT6-2-NP				
1/4	3/32	5/16-18RT 6-2 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				
1/4	1/8	5/16-18RT 6-3	5/16-18 RT6-3-SS	5/16-18 RT6-3-316SS	5/16-18 RT6-3-NP				
1/4	5/32 / 4mm	5/16-18RT 6-3 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				
1/4	.170	5/16-18RT 6-4	5/16-18 RT6-4-SS	5/16-18 RT6-4-316SS	5/16-18 RT6-4-NP				
1/4	3/16	5/16-18RT 6-5	5/16-18 RT6-5-SS	5/16-18 RT6-5-316SS	5/16-18 RT6-5-NP				
1/4	7/32	5/16-18RT 6-5 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				
1/4	6mm	5/16-18RT 6-5 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				



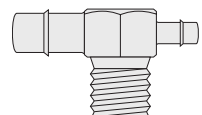
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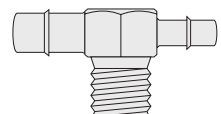
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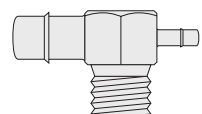
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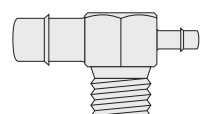
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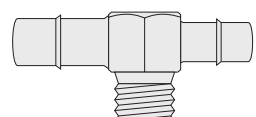
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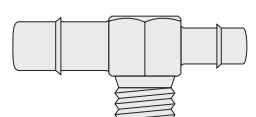
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5/16-18RT5 1/2-2



5/16-18RT5 3/4-5

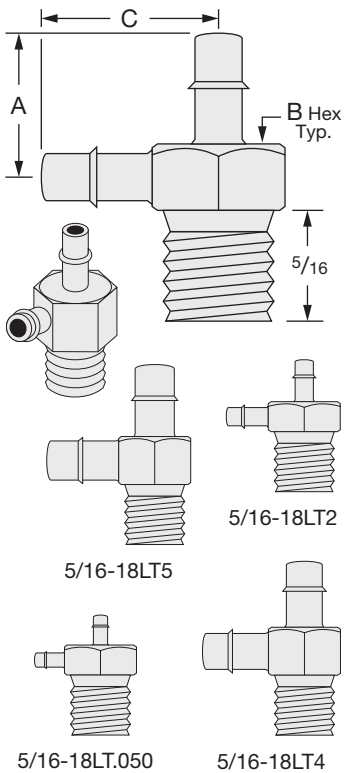


5/16-18RT6-4

O-Ring options also available!

5/16-18 Male Thread to Tube L-Tees

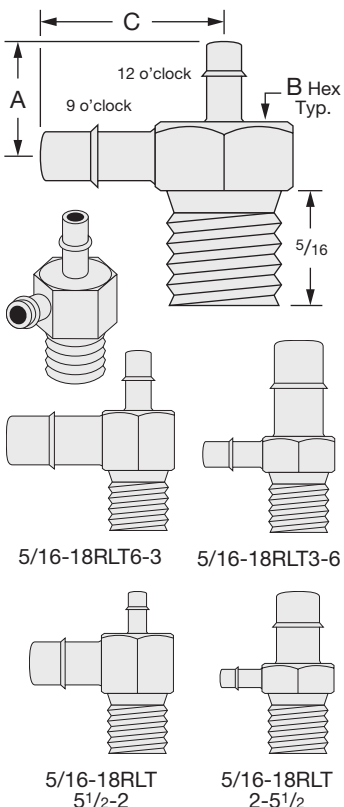
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Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Typ
1/32	5/16-18LT.031	5/16-18LT.031-SS	5/16-18LT.031-316SS	5/16-18LT.031-NP	Consult Factory	3/8	11/32
.040 / 1mm	5/16-18LT.040	5/16-18LT.040-SS	5/16-18LT.040-316SS	5/16-18LT.040-NP		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		3/8	11/32
.050	5/16-18LT.050	5/16-18LT.050-SS	5/16-18LT.050-316SS	5/16-18LT.050-NP		3/8	11/32
1/16	5/16-18LT1	5/16-18LT1-SS	5/16-18LT1-316SS	5/16-18LT1-NP		3/8	13/32
5/64 / 2mm	5/16-18LT2	5/16-18LT2-SS	5/16-18LT2-316SS	5/16-18LT2-NP		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		3/8	13/32
1/8	5/16-18LT3	5/16-18LT3-SS	5/16-18LT3-316SS	5/16-18LT3-NP		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		3/8	1/2
.170	5/16-18LT4	5/16-18LT4-SS	5/16-18LT4-316SS	5/16-18LT4-NP		3/8	17/32
3/16	5/16-18LT5	5/16-18LT5-SS	5/16-18LT5-316SS	5/16-18LT5-NP	Consult Factory	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		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

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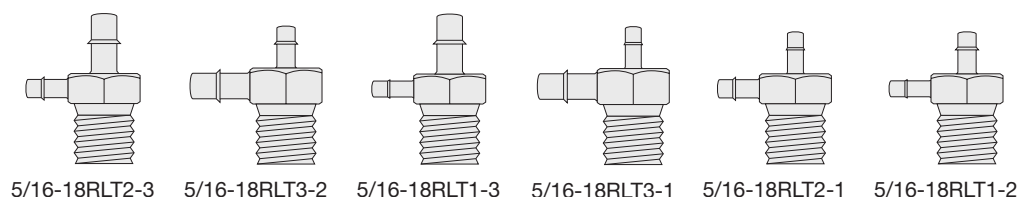


Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/32	.031	Consult Factory		
.040 / 1mm	.040	Consult Factory		
3/64	.045	Consult Factory		
.050	.050	Consult Factory		
1/16	1	Consult Factory		
5/64 / 2mm	2	Consult Factory		
3/32	2 1/2	Consult Factory		

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	RLT	#	-	#	12 O'clock Branch #
		Fitting Series				9 O'clock Branch #



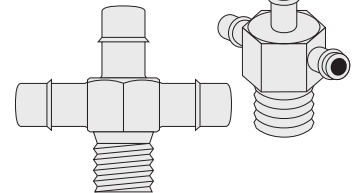
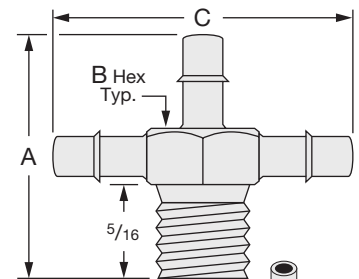
O-Ring options available!
Consult factory for details!

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 -NP = Electroless Nickel Plate

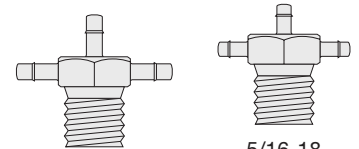
279

5/16-18 Male Thread to Tube Tees x 3

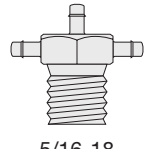
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	5/16-18T.031x3	5/16-18T.031x3-SS	5/16-18T.031x3-316SS	5/16-18T.031x3-NP	Consult Factory	3/8	1 1/16
.040 / 1mm	5/16-18T.040x3	5/16-18T.040x3-SS	5/16-18T.040x3-316SS	5/16-18T.040x3-NP		3/8	1 1/16
3/64	5/16-18T.045x3	5/16-18T.045x3-SS	5/16-18T.045x3-316SS	5/16-18T.045x3-NP		3/8	1 1/16
.050	5/16-18T.050x3	5/16-18T.050x3-SS	5/16-18T.050x3-316SS	5/16-18T.050x3-NP		3/8	1 1/16
1/16	5/16-18T1x3	5/16-18T1x3-SS	5/16-18T1x3-316SS	5/16-18T1x3-NP		3/8	1 3/16
5/64 / 2mm	5/16-18T2x3	5/16-18T2x3-SS	5/16-18T2x3-316SS	5/16-18T2x3-NP		3/8	1 3/16
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		3/8	1 3/16
1/8	5/16-18T3x3	5/16-18T3x3-SS	5/16-18T3x3-316SS	5/16-18T3x3-NP		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		3/8	1
.170	5/16-18T4x3	5/16-18T4x3-SS	5/16-18T4x3-316SS	5/16-18T4x3-NP		3/8	1 1/16
3/16	5/16-18T5x3	5/16-18T5x3-SS	5/16-18T5x3-316SS	5/16-18T5x3-NP	Consult Factory	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		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			
1/4	5/16-18T6x3	5/16-18T6x3-SS	5/16-18T6x3-316SS	5/16-18T6x3-NP	Consult Factory		



5/16-18T5 1/2 x 3



5/16-18T1x3


5/16-18
T.050x3

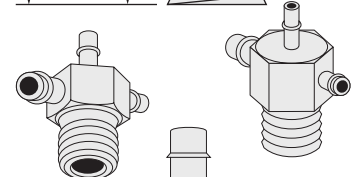
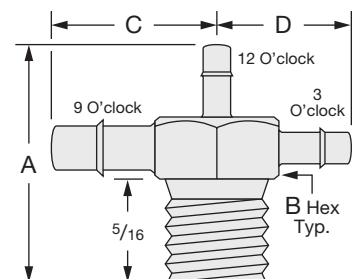
Note: Images are for visual representation only; not intended for dimensional measurements.

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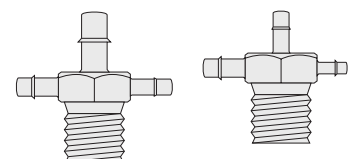
5/16-18 Male Thread to Tube Reducing Tees x 3

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		

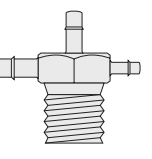
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/8	3	Consult Factory		
5/32 / 4mm	3 1/2	Consult Factory		
.170	4	Consult Factory		
3/16	5	Consult Factory		
7/32	5 1/2	Consult Factory		
6mm	5 3/4	Consult Factory		
1/4	6	Consult Factory		



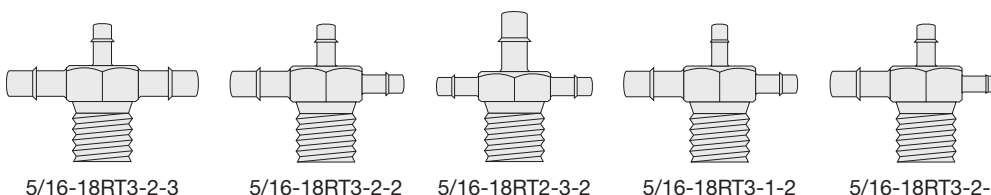
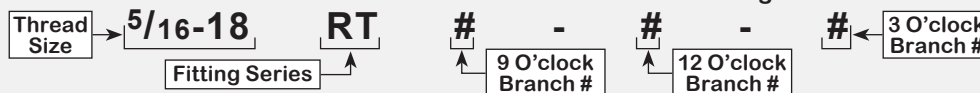
5/16-18T5-4-3



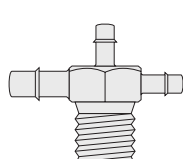
5/16-18T2-3-1


5/16-18T
2-1-.045

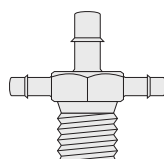
Part Numbers for 5/16-18 Male Thread to Tube Reducing Tees x 3:



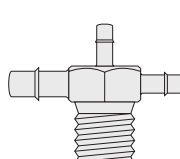
5/16-18T3-2-3



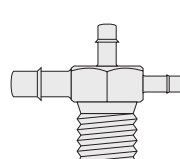
5/16-18T3-2-2



5/16-18RT2-3-2



5/16-18T3-1-2



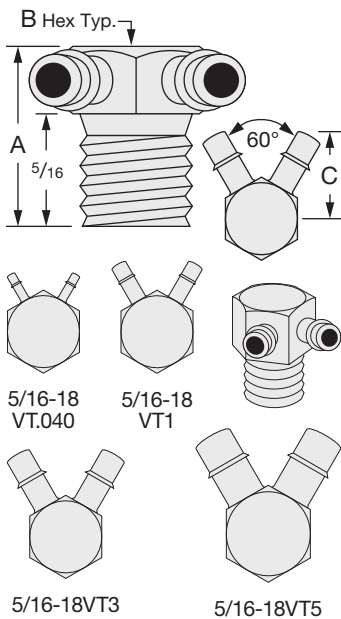
5/16-18T3-2-1

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**

O-Ring options available!
Consult factory for details!

5/16-18 Male Thread to Tube V-Tees

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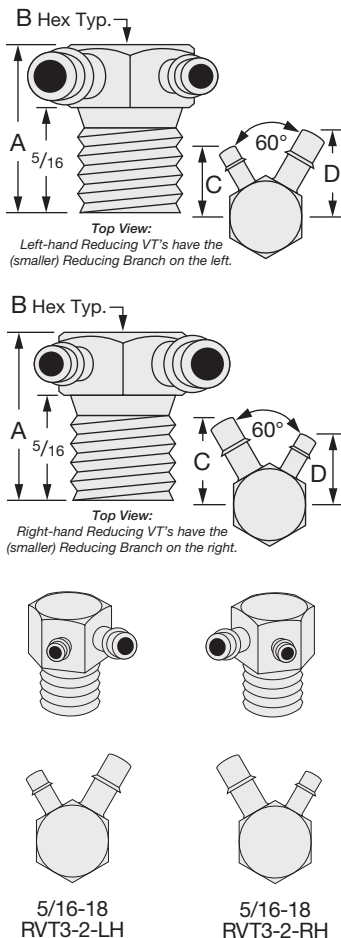


Custom 5/16-18 V-Tees & Reducing V-Tees with 90° & 120° branches also available. Consult factory for details!

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	15/32	3/8	1/2
.170	5/16-18VT4	5/16-18VT4-SS	5/16-18VT4-316SS	5/16-18VT4-NP	15/32	3/8	17/32
3/16	5/16-18VT5	5/16-18VT5-SS	5/16-18VT5-316SS	5/16-18VT5-NP	1/2	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	1/2	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

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Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	15/32	3/8	11/32	11/32
.040 / 1mm	.040	15/32	3/8	11/32	11/32
3/64	.045	15/32	3/8	11/32	11/32
.050	.050	15/32	3/8	11/32	11/32
1/16	1	15/32	3/8	13/32	13/32
5/64 / 2mm	2	15/32	3/8	13/32	13/32
3/32	2 1/2	15/32	3/8	13/32	13/32

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/8	3	15/32	3/8	1/2	1/2
5/32 / 4mm	3 1/2	15/32	3/8	1/2	1/2
.170	4	15/32	3/8	17/32	17/32
3/16	5	1/2	7/16	9/16	9/16
7/32	5 1/2	1/2	7/16	9/16	9/16
6mm	5 3/4	Consult Factory			
1/4	6	Consult Factory			

Part Numbers for 5/16-18 Thread to Tube Reducing Left-Hand V-Tees:

Thread Size	5/16-18	RVT	#	-	#	-	LH	Left-Hand Indicator
		Fitting Series			Larger Branch #		Smaller Branch #	

Part Numbers for 5/16-18 Thread to Tube Reducing Right-Hand V-Tees:

Thread Size	5/16-18	RVT	#	-	#	-	RH	Right-Hand Indicator
		Fitting Series			Larger Branch #		Smaller Branch #	

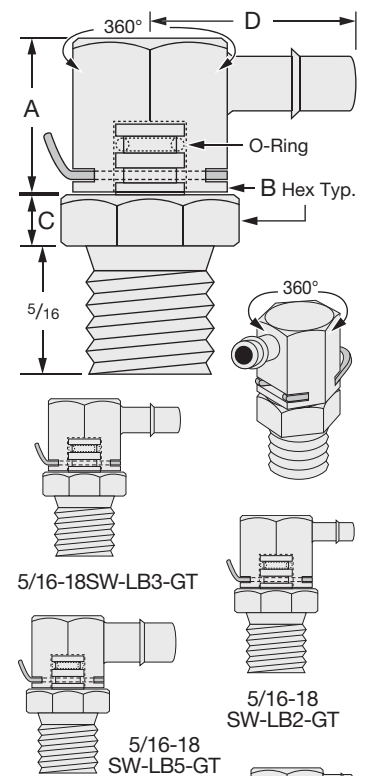
O-Ring options also available! O-Ring materials listed on page 65! Consult factory for details!

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

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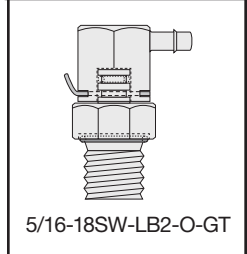
5/16-18 Male Thread to Tube Swivel Elbows with Clip Groove

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	15/32	3/8	1/8	11/32
.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	15/32	3/8	1/8	11/32
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	15/32	3/8	1/8	11/32
.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	15/32	3/8	1/8	11/32
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	15/32	3/8	1/8	13/32
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	15/32	3/8	1/8	13/32
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	15/32	3/8	1/8	13/32
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	15/32	3/8	1/8	1/2
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	15/32	3/8	1/8	1/2
.170	5/16-18SW-LB4-GT	5/16-18SW-LB4-GT-SS	5/16-18SW-LB4-GT-316SS	5/16-18SW-LB4-GT-NP	15/32	3/8	1/8	17/32
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	1/2	3/8	1/8	9/16
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	1/2	3/8	1/8	9/16
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			



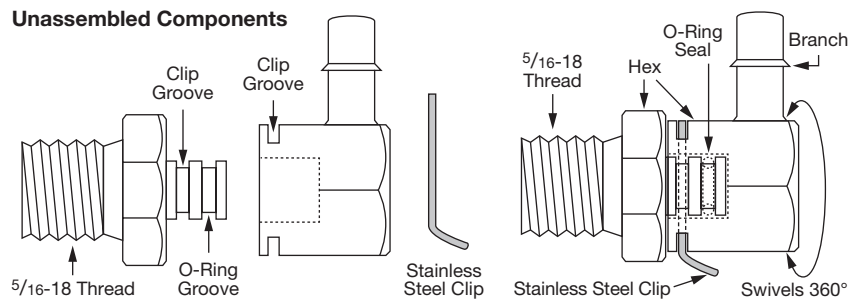
J

O-Ring options available!



O-Ring materials options are listed on page 65!

Unassembled Components

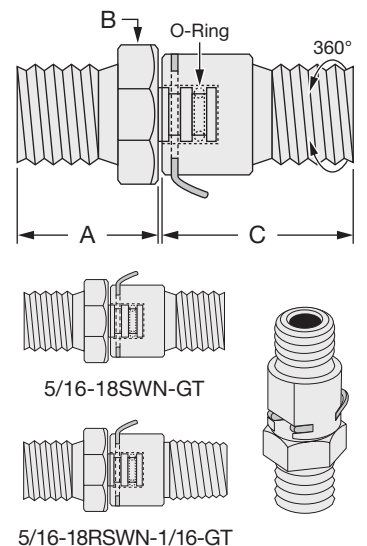
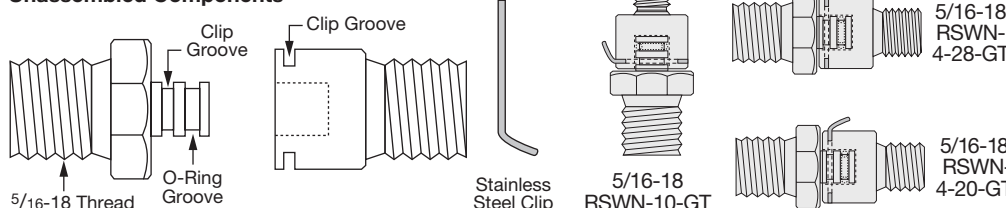


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5/16-18 Male Thread Swivel Nipples and Reducing Swivel Nipples

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	Consult Factory	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	Consult Factory	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory	Consult Factory

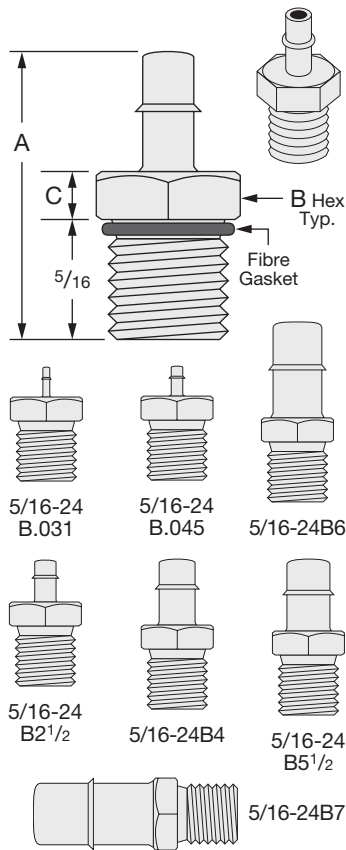
Unassembled Components



Note: Images are for visual representation only.

5/16-24 Male Pipe Thread to Tube with Fibre Gasket Supplied

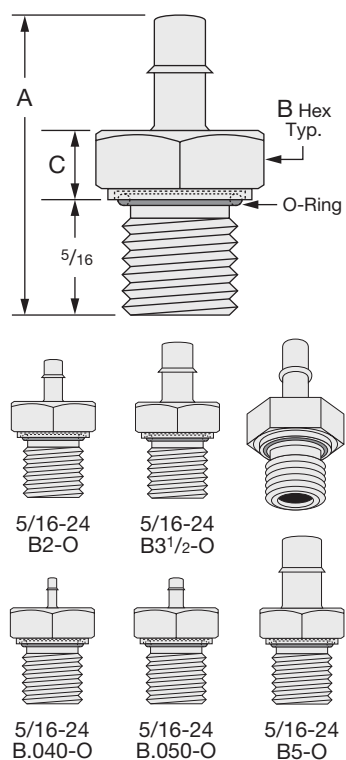
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Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	5/16-24B.031	5/16-24B.031-SS	5/16-24B.031-316SS	N/A	5/16-24B.031-NP	5/8	3/8	5/32
.040 / 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	3/8	5/32

5/16-24 Male Pipe Thread to Tube with O-Ring Seal Installed

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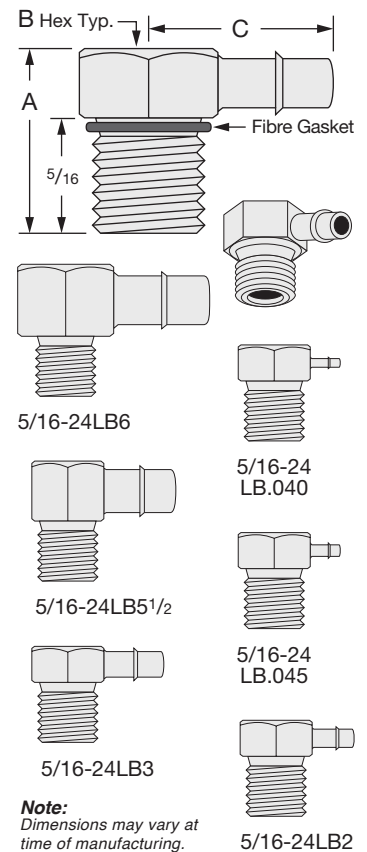
Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	5/16-24B.031-O	5/16-24B.031-O-SS	5/16-24B.031-O-316SS	N/A	5/16-24B.031-O-NP	Consult Factory	Consult Factory	Consult Factory
.040 / 1mm	5/16-24B.040-O	5/16-24B.040-O-SS	5/16-24B.040-O-316SS	N/A	5/16-24B.040-O-NP	Consult Factory	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory	Consult Factory
.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	Consult Factory	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory	Consult Factory
5/32 / 4mm	5/16-24B3 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	Consult Factory	Consult Factory	Consult Factory
.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	Consult Factory	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory	Consult Factory
7/32	5/16-24B5 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	Consult Factory	Consult Factory	Consult Factory
6mm	5/16-24B5 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	Consult Factory	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory	Consult Factory

O-Ring materials on page 65!

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5/16-24 Male Pipe 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	15/32	3/8	1/2
.170	5/16-24LB4	5/16-24LB4-SS	5/16-24LB4-316SS	5/16-24LB4-NP	15/32	3/8	17/32
3/16	5/16-24LB5	5/16-24LB5-SS	5/16-24LB5-316SS	5/16-24LB5-NP	1/2	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	1/2	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		

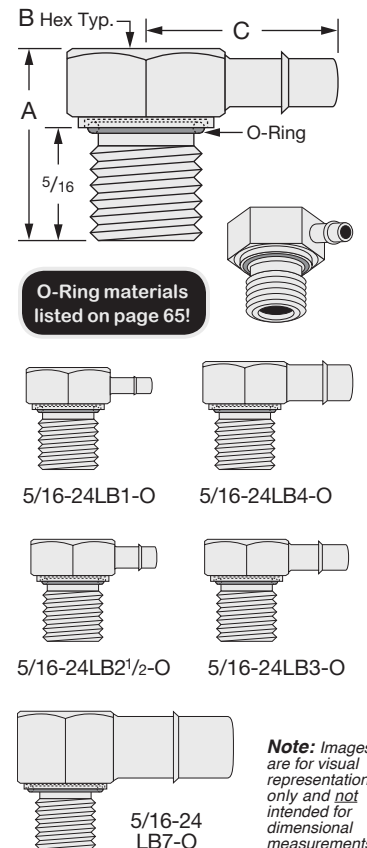


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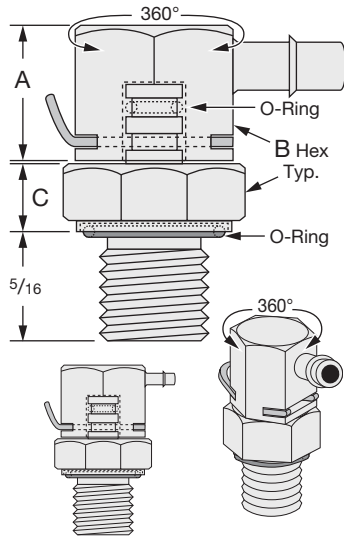
5/16-24 Male Pipe Thread to Tube Elbows with O-Ring Seal Installed

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	5/16-24LB.031-O	5/16-24LB.031-O-SS	5/16-24LB.031-O-316SS	5/16-24LB.031-O-NP	Consult Factory		
.040 / 1mm	5/16-24LB.040-O	5/16-24LB.040-O-SS	5/16-24LB.040-O-316SS	5/16-24LB.040-O-NP	Consult Factory		
3/64	5/16-24LB.045-O	5/16-24LB.045-O-SS	5/16-24LB.045-O-316SS	5/16-24LB.045-O-NP	Consult Factory		
.050	5/16-24LB.050-O	5/16-24LB.050-O-SS	5/16-24LB.050-O-316SS	5/16-24LB.050-O-NP	Consult Factory		
1/16	5/16-24LB1-O	5/16-24LB1-O-SS	5/16-24LB1-O-316SS	5/16-24LB1-O-NP	Consult Factory		
5/64 / 2mm	5/16-24LB2-O	5/16-24LB2-O-SS	5/16-24LB2-O-316SS	5/16-24LB2-O-NP	Consult Factory		
3/32	5/16-24LB2 1/2-O	5/16-24LB2 1/2-O-SS	5/16-24LB2 1/2-O-316SS	5/16-24LB2 1/2-O-NP	Consult Factory		
1/8	5/16-24LB3-O	5/16-24LB3-O-SS	5/16-24LB3-O-316SS	5/16-24LB3-O-NP	Consult Factory		
5/32 / 4mm	5/16-24LB3 1/2-O	5/16-24LB3 1/2-O-SS	5/16-24LB3 1/2-O-316SS	5/16-24LB3 1/2-O-NP	Consult Factory		
.170	5/16-24LB4-O	5/16-24LB4-O-SS	5/16-24LB4-O-316SS	5/16-24LB4-O-NP	Consult Factory		
3/16	5/16-24LB5-O	5/16-24LB5-O-SS	5/16-24LB5-O-316SS	5/16-24LB5-O-NP	Consult Factory		
7/32	5/16-24LB5 1/2-O	5/16-24LB5 1/2-O-SS	5/16-24LB5 1/2-O-316SS	5/16-24LB5 1/2-O-NP	Consult Factory		
6mm	5/16-24LB5 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		

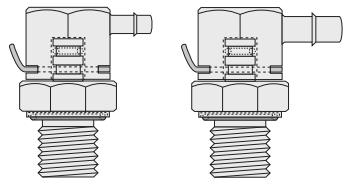


5/16-24 Male Pipe Thread to Tube Swivel Elbows with Clip Groove

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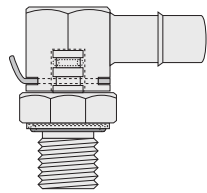


5/16-24SW-LB.045-GT



5/16-24SW-LB2-GT

5/16-24SW-LB3-GT

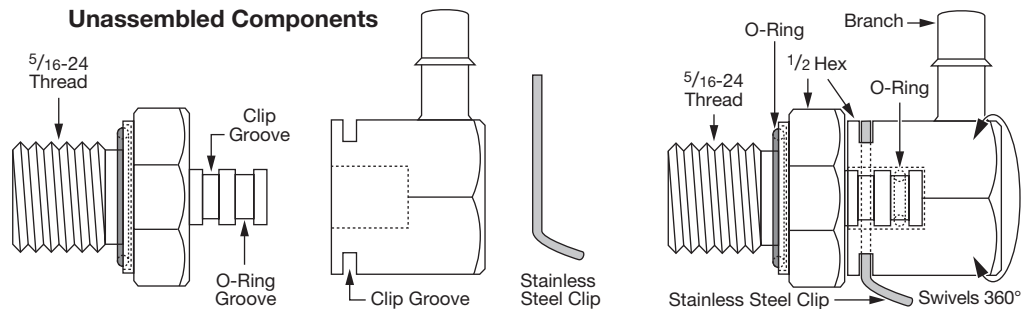


5/16-24SW-LB5 3/4-GT

O-Ring material options listed on page 65!

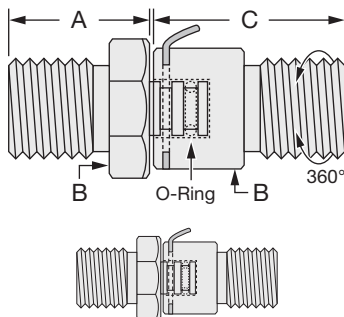
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	5/16-24SW-LB.031-GT	5/16-24SW-LB.031-GT-SS	5/16-24SW-LB.031-GT-316SS	5/16-24SW-LB.031-GT-NP	Consult Factory	Consult Factory	Consult Factory
.040 / 1mm	5/16-24SW-LB.040-GT	5/16-24SW-LB.040-GT-SS	5/16-24SW-LB.040-GT-316SS	5/16-24SW-LB.040-GT-NP	Consult Factory	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory	Consult Factory
.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	Consult Factory	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory	Consult Factory
.170	5/16-24SW-LB4-GT	5/16-24SW-LB4-GT-SS	5/16-24SW-LB4-GT-316SS	5/16-24SW-LB4-GT-NP	Consult Factory	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory	Consult Factory

Unassembled Components



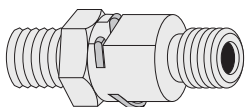
5/16-24 Male Pipe Thread Swivel Nipples and Reducing Swivel Nipples

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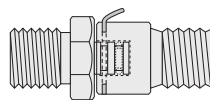
5/16-24SWN-GT

O-Ring options available!

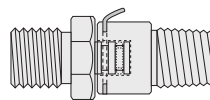


Material options on page 65!

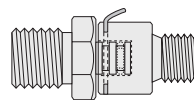
9 O'clock Thread Size	3 O'clock Thread Size	Part Numbers					Dimensions (Reference)		
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
5/16-24	5/16-24	5/16-24 SWN-GT	5/16-24SWN-GT-SS	5/16-24SWN-GT-316SS	5/16-24SWN-GT-AL	5/16-24SWN-GT-NP	Consult 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	Consult Factory	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory	Consult Factory



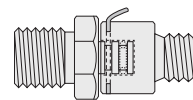
5/16-24RSWN-5/16-18-GT



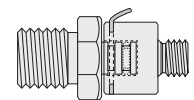
5/16-24RSWN-1/16-GT



5/16-24RSWN-4-28-GT



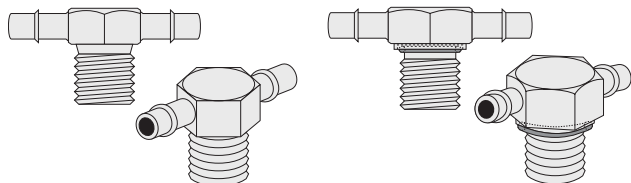
5/16-24RSWN-4-20-GT



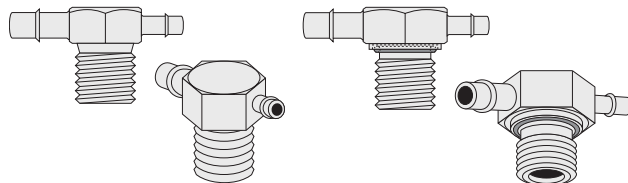
5/16-24RSWN-10-GT

5/16-24 Thread to Tube Options with Fibre Gaskets Supplied or O-Rings Installed

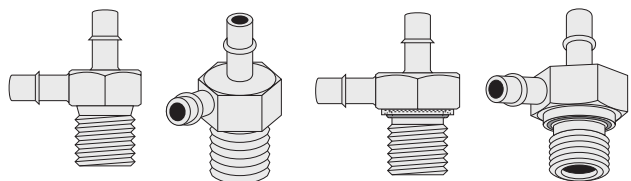
5/16-24 Tees



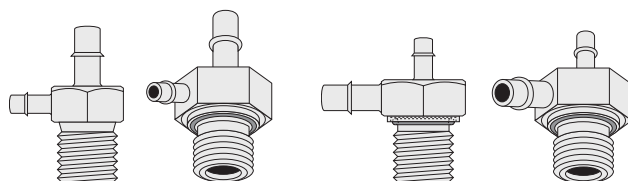
5/16-24 Reducing Tees



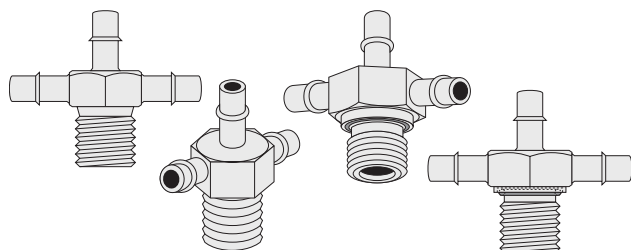
5/16-24 L-Tees



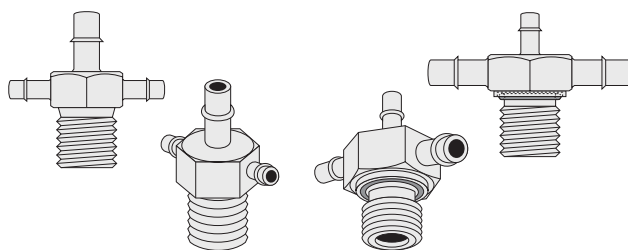
5/16-24 Reducing L-Tees



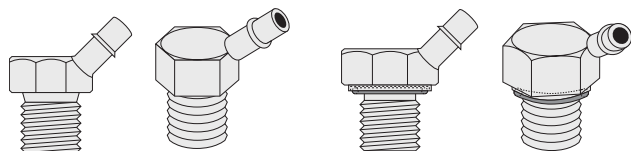
5/16-24 Tee x 3



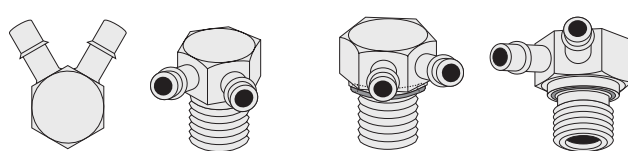
5/16-24 Reducing Tee x 3



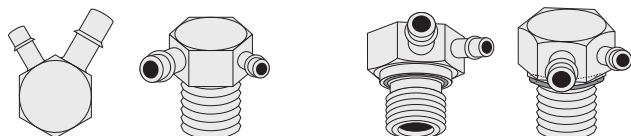
5/16-24 45° Elbows



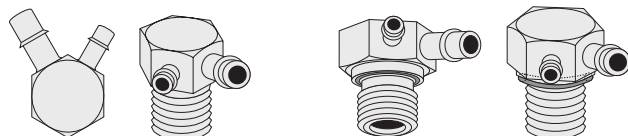
5/16-24 V-Tees



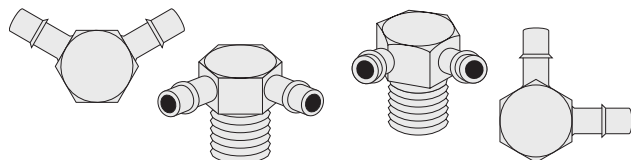
5/16-24 Reducing Left-Hand V-Tees



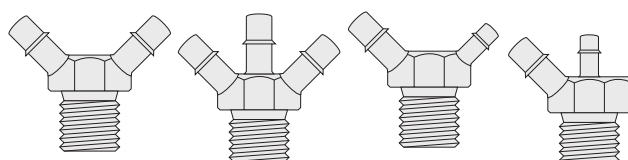
5/16-24 Reducing Right-Hand V-Tees



5/16-24 90° & 120° V-Tees



5/16-24 Thread to Tube Custom Fittings

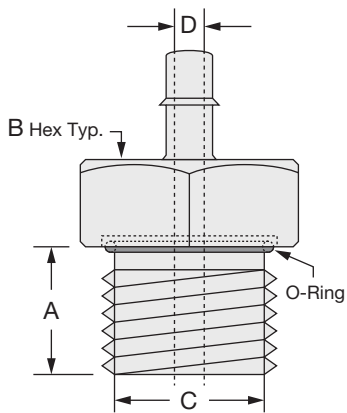


Quantities & lead times apply! Consult factory for details!

O-Ring material options listed on page 65!

SAE Male Pipe Thread to Tube Fittings with O-Ring Supplied

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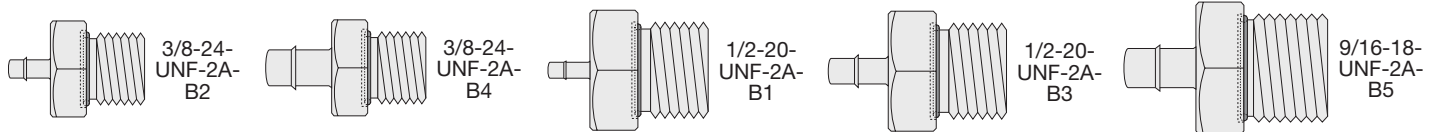
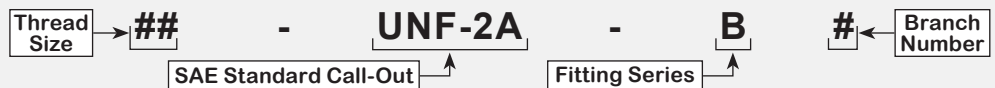


Part Numbers	Dimensions			
Unified Screw Thread (Thread Size)	A	B	C	D
3/8-24-UNF-2A	.287/.303	1/2	.310/.315	.125/.132
7/16-20-UNF-2A	.350/.366	9/16	.361/.366	.177/.184
1/2-20-UNF-2A	.350/.366	5/8	.424/.429	.236/.245
9/16-18-UNF-2A	.386/.402	11/16	.479/.484	.295/.304
3/4-16-UNF-2A	.429/.455	7/8	.657/.662	.394/.403
7/8-14-UNF-2A	.492/.508	1	.770/.775	.492/.503

SAE Standards!

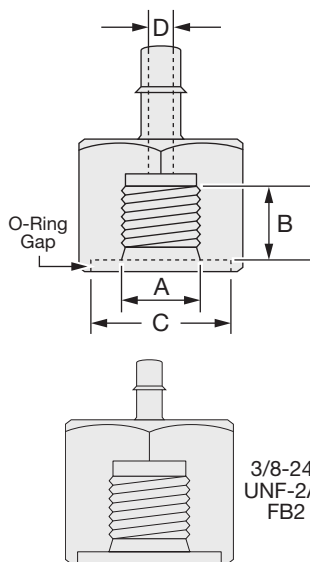
O-Ring material options
are listed on page 65!

Part Numbers for SAE UNF Female Pipe Thread to Tube Fittings:



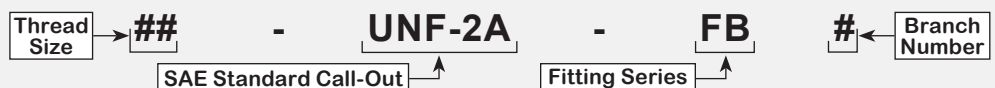
SAE Female Pipe Thread to Tube Fittings with O-Ring Supplied

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Part Numbers	Dimensions			
Unified Screw Thread (Thread Size)	A	B	C	D
3/8-24-UNF-2A	.421/.425	.394	.748	.138
7/16-20-UNF-2A	.488/.492	.453	.827	.177
1/2-20-UNF-2A	.551/.555	.453	.906	.236
9/16-18-UNF-2A	.616/.620	.500	.984	.295
3/4-16-UNF-2A	.811/.815	.563	1.181	.394
7/8-14-UNF-2A	.943/.948	.657	1.339	.492

Part Numbers for SAE UNF Female Pipe Thread to Tube Fittings:



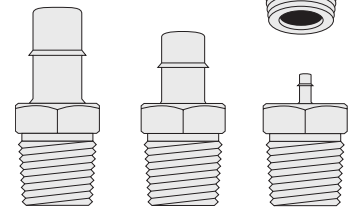
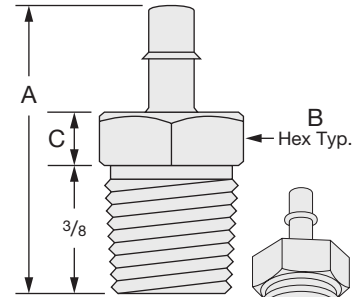
SAE UNF Thread to Tube Branch Sizes and Material Options

Branches		Branches		Branches		Branches		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
Tube ID	Branch Number	Tube ID	Branch Number	Tube ID	Branch Number	Tube ID	Branch Number	
1/32	.031	1/16	1	1/8	3	3/16	5	
.040 / 1mm	.040	5/64 / 2mm	2	5/32 / 4mm	3 1/2	7/32	5 1/2	
3/64	.045	3/32	2 1/2	.170	4	6mm	5 3/4	
.050	.050	Unless otherwise specified, parts will be Brass.				1/4	6	

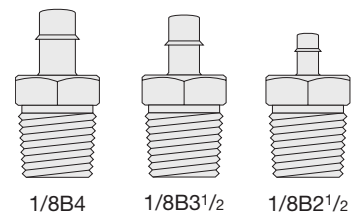
293

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	1 1/16	7/16	5/32
.040 / 1mm	1/8B.040	1/8B.040-SS	1/8B.040-316SS	N/A	1/8B.040-NP	1 1/16	7/16	5/32
3/64	1/8B.045	1/8B.045-SS	1/8B.045-316SS	N/A	1/8B.045-NP	1 1/16	7/16	5/32
.050	1/8B.050	1/8B.050-SS	1/8B.050-316SS	N/A	1/8B.050-NP	1 1/16	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	3 1/32	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	3 1/32	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 1/2	7/16	5/32
1/4	1/8B6	1/8B6-SS	1/8B6-316SS	1/8B6-AL	1/8B6-NP	1 1/2	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



1/8B6 1/8B5 1/2 1/8B.045



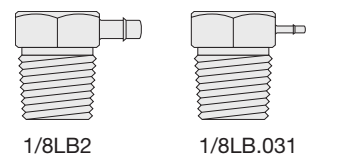
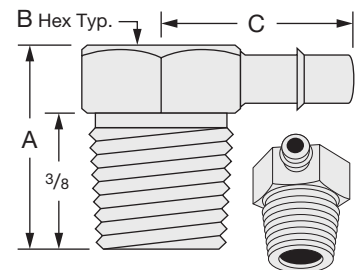
1/8B4 1/8B3 1/2 1/8B2 1/2

M

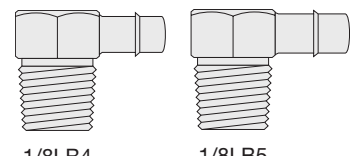
294

1/8 NPT Male Thread to Tube Elbows

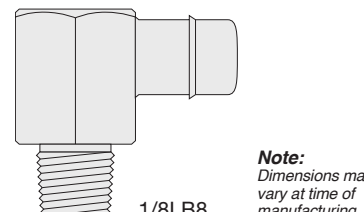
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/8LB.031	1/8LB.031-SS	1/8LB.031-316SS	1/8LB.031-NP	9/16	7/16	3/8
.040 / 1mm	1/8LB.040	1/8LB.040-SS	1/8LB.040-316SS	1/8LB.040-NP	9/16	7/16	3/8
3/64	1/8LB.045	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	1 1/16	7/16	23/32
1/4	1/8LB6	1/8LB6-SS	1/8LB6-316SS	1/8LB6-NP	1 1/16	7/16	23/32
5/16 / 8mm	1/8LB7	1/8LB7-SS	1/8LB7-316SS	1/8LB7-NP	1 5/16	5/8	15/16
3/8	1/8LB8	1/8LB8-SS	1/8LB8-316SS	1/8LB8-NP	1 5/16	5/8	27/32
1/2	1/8LB10	1/8LB10-SS	1/8LB10-316SS	1/8LB10-NP	1 5/16	3/4	1 1/8



1/8LB2 1/8LB.031



1/8LB4 1/8LB5



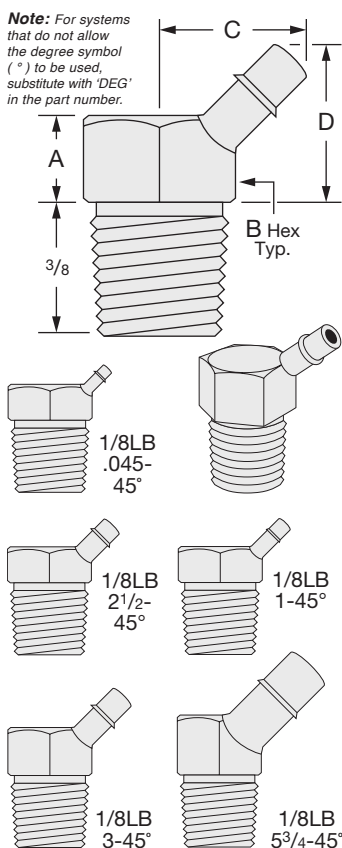
1/8LB8

Note:
Dimensions may vary at time of manufacturing.

1/8 NPT Male Thread to Tube 45° Elbows

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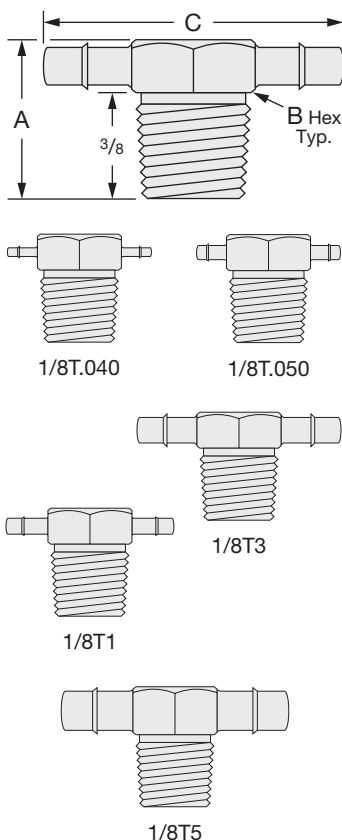
Note: For systems that do not allow the degree symbol (°) to be used, substitute with 'DEG' in the part number.



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	1/8LB.031-45°	1/8LB.031-45°-SS	1/8LB.031-45°-316SS	1/8LB.031-45°-NP	1/4	7/16	Consult Factory	Consult Factory
.040 / 1mm	1/8LB.040-45°	1/8LB.040-45°-SS	1/8LB.040-45°-316SS	1/8LB.040-45°-NP	1/4	7/16	Consult Factory	Consult Factory
3/64	1/8LB.045-45°	1/8LB.045-45°-SS	1/8LB.045-45°-316SS	1/8LB.045-45°-NP	1/4	7/16	Consult Factory	Consult Factory
.050	1/8LB.050-45°	1/8LB.050-45°-SS	1/8LB.050-45°-316SS	1/8LB.050-45°-NP	1/4	7/16	Consult Factory	Consult Factory
1/16	1/8LB1-45°	1/8LB1-45°-SS	1/8LB1-45°-316SS	1/8LB1-45°-NP	1/4	7/16	Consult Factory	Consult Factory
5/64 / 2mm	1/8LB2-45°	1/8LB2-45°-SS	1/8LB2-45°-316SS	1/8LB2-45°-NP	1/4	7/16	Consult Factory	Consult Factory
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	1/4	7/16	Consult Factory	Consult Factory
1/8	1/8LB3-45°	1/8LB3-45°-SS	1/8LB3-45°-316SS	1/8LB3-45°-NP	1/4	7/16	Consult Factory	Consult Factory
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	1/4	7/16	Consult Factory	Consult Factory
.170	1/8LB4-45°	1/8LB4-45°-SS	1/8LB4-45°-316SS	1/8LB4-45°-NP	1/4	7/16	Consult Factory	Consult Factory
3/16	1/8LB5-45°	1/8LB5-45°-SS	1/8LB5-45°-316SS	1/8LB5-45°-NP	1/4	7/16	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory
6mm	1/8LB5 3/4-45°	1/8LB5 3/4-45°-SS	1/8LB5 3/4-45°-316SS	1/8LB5 3/4-45°-NP	5/16	7/16	Consult Factory	Consult Factory
1/4	1/8LB6-45°	1/8LB6-45°-SS	1/8LB6-45°-316SS	1/8LB6-45°-NP	5/16	7/16	Consult Factory	Consult Factory
5/16 / 8mm	1/8LB7-45°	1/8LB7-45°-SS	1/8LB7-45°-316SS	1/8LB7-45°-NP	45/64	5/8	Consult Factory	Consult Factory
3/8	1/8LB8-45°	1/8LB8-45°-SS	1/8LB8-45°-316SS	1/8LB8-45°-NP	45/64	5/8	Consult Factory	Consult Factory
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

1/8 NPT Male Thread to Tube Tees

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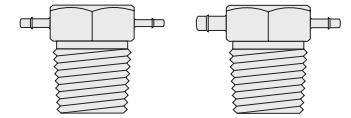
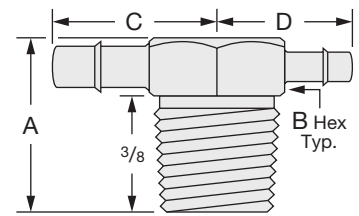


Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/8T.031	1/8T.031-SS	1/8T.031-316SS	1/8T.031-NP	9/16	7/16	3/4
.040 / 1mm	1/8T.040	1/8T.040-SS	1/8T.040-316SS	1/8T.040-NP	9/16	7/16	3/4
3/64	1/8T.045	1/8T.045-SS	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 1/8
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	11/16	7/16	1 7/16
1/4	1/8T6	1/8T6-SS	1/8T6-316SS	1/8T6-NP	11/16	7/16	1 7/16
5/16 / 8mm	1/8T7	1/8T7-SS	1/8T7-316SS	1/8T7-NP	1 5/64	5/8	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

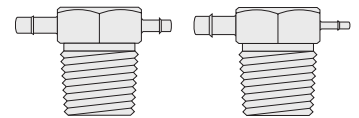
297

1/8 NPT Male Thread to Tube Reducing Tees

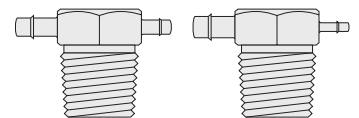
Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
.040 / 1mm	1/32	1/8RT-.040-.031	1/8RT-.040-.031-SS	1/8RT-.040-.031-316SS	1/8RT-.040-.031-NP	9/16	7/16	3/8	3/8
3/64	1/32	1/8RT-.045-.031	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



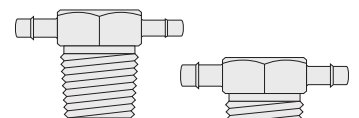
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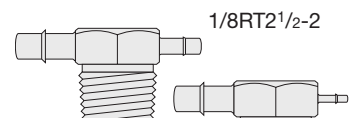
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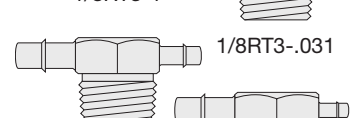
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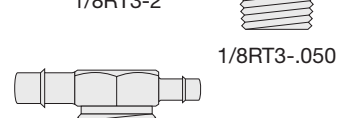
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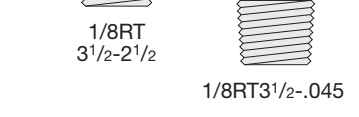
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1/8RT3 1/2-2 1/2 1/8RT3 1/2-.045



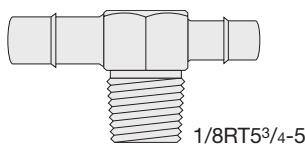
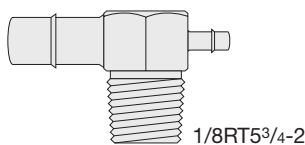
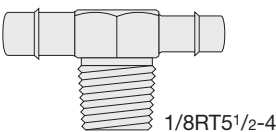
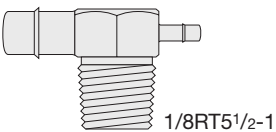
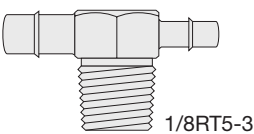
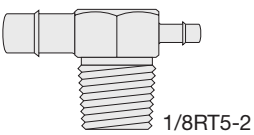
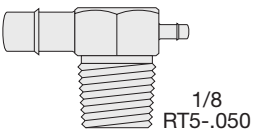
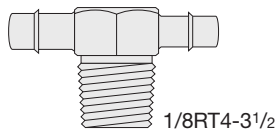
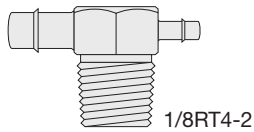
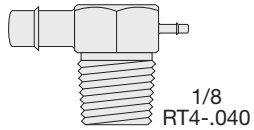
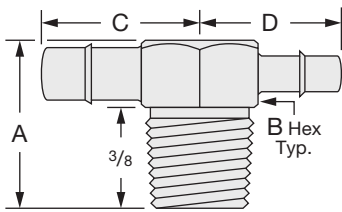
1/8RT3 1/2-3

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

Continued on next page

1/8 NPT Male Thread to Tube Reducing Tees (continued)

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Continued on next page

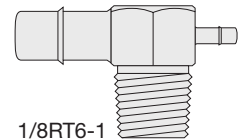
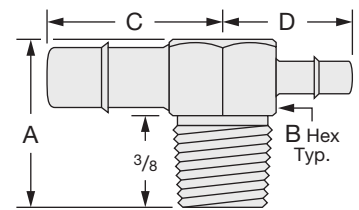
Note: Images are for visual representation only; not intended for dimensional measurements.

Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 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

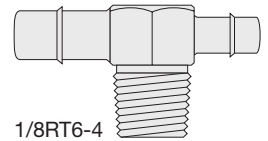
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1/8 NPT Male Thread to Tube Reducing Tees (continued)

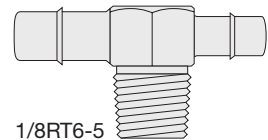
Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/4	1/16	1/8RT6-1	1/8RT6-1-SS	1/8RT6-1-316SS	1/8RT6-1-NP	11/16	7/16	23/32	7/16
1/4	5/64 / 2mm	1/8RT6-2	1/8RT6-2-SS	1/8RT6-2-316SS	1/8RT6-2-NP	11/16	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	11/16	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	11/16	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	11/16	7/16	23/32	17/32
1/4	.170	1/8RT6-4	1/8RT6-4-SS	1/8RT6-4-316SS	1/8RT6-4-NP	11/16	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	11/16	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	11/16	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	11/16	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	15/64	5/8	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	15/64	5/8	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	15/64	5/8	15/16	19/32
5/16 / 8mm	1/8	1/8RT7-3	1/8RT7-3-SS	1/8RT7-3-316SS	1/8RT7-3-NP	15/64	5/8	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	15/64	5/8	15/16	11/16
5/16 / 8mm	.170	1/8RT7-4	1/8RT7-4-SS	1/8RT7-4-316SS	1/8RT7-4-NP	15/64	5/8	15/16	23/32
5/16 / 8mm	3/16	1/8RT7-5	1/8RT7-5-SS	1/8RT7-5-316SS	1/8RT7-5-NP	15/64	5/8	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	15/64	5/8	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	15/64	5/8	15/16	7/8
5/16 / 8mm	1/4	1/8RT7-6	1/8RT7-6-SS	1/8RT7-6-316SS	1/8RT7-6-NP	15/64	5/8	15/16	7/8
3/8	1/16	1/8RT8-1	1/8RT8-1-SS	1/8RT8-1-316SS	1/8RT8-1-NP	15/64	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	15/64	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	15/64	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	15/64	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	15/64	5/8	27/32	11/16
3/8	.170	1/8RT8-4	1/8RT8-4-SS	1/8RT8-4-316SS	1/8RT8-4-NP	15/64	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	15/64	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	15/64	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	15/64	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	15/64	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	15/64	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	15/64	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	15/64	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	15/64	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	15/64	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	15/64	3/4	1 1/8	11/16



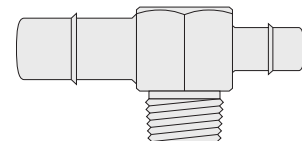
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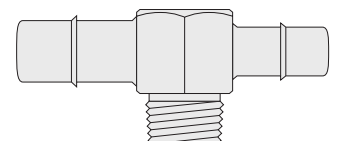
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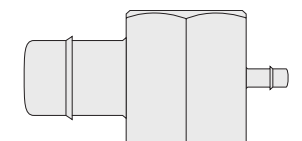
1/8RT6-5



1/8RT7-4



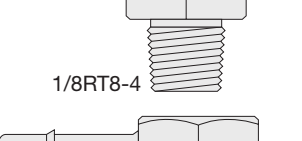
1/8RT7-6



1/8RT8-2



1/8RT8-4



1/8RT8-6

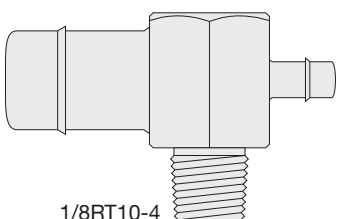
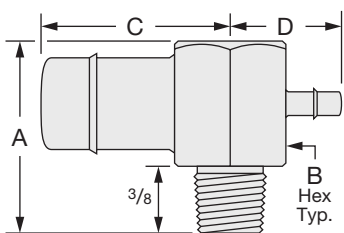


1/8RT10-3

Continued on next page

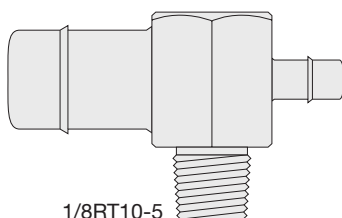
1/8 NPT Male Thread to Tube Reducing Tees (continued)

300

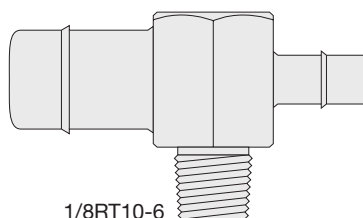


1/8RT10-4

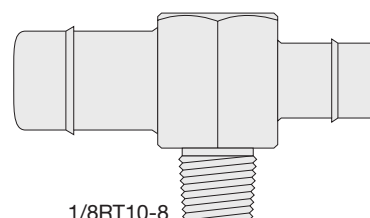
Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/2	.170	1/8RT10-4	1/8RT10-4-SS	1/8RT10-4-316SS	1/8RT10-4-NP	1 5/64	3/4	1 1/8	23/32
1/2	3/16	1/8RT10-5	1/8RT10-5-SS	1/8RT10-5-316SS	1/8RT10-5-NP	1 5/64	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	1 5/64	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	1 5/64	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	1 5/64	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	1 5/64	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	1 5/64	3/4	1 1/8	27/32



1/8RT10-5



1/8RT10-6

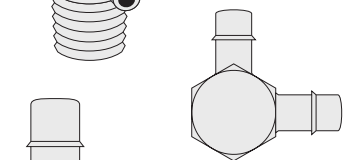
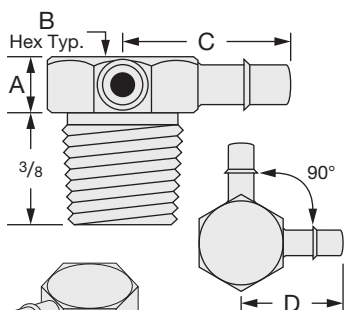


1/8RT10-8

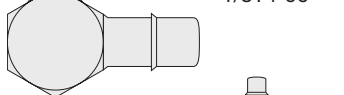
Note:
Images are for visual representation only;
not intended for dimensional measurements.
Dimensions may vary at time of manufacturing.

1/8 NPT Male Thread to Tube 90° Tees

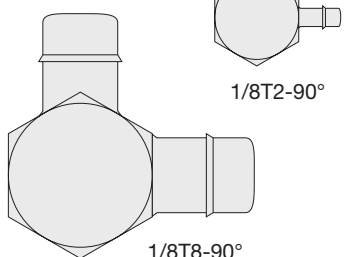
301



1/8T4-90°



1/8T6-90°



1/8T8-90°

Tube ID	Part Numbers				Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/32	1/8T.031-90°	1/8T.031-90°-SS	1/8T.031-90°-316SS	1/8T.031-90°-NP	9/16	7/16	3/8	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	3/8
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	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	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	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	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	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	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	17/32
.170	1/8T4-90°	1/8T4-90°-SS	1/8T4-90°-316SS	1/8T4-90°-NP	5/8	7/16	9/16	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	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	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	1 1/16	7/16	23/32	23/32
1/4	1/8T6-90°	1/8T6-90°-SS	1/8T6-90°-316SS	1/8T6-90°-NP	1 1/16	7/16	23/32	23/32
5/16 / 8mm	1/8T7-90°	1/8T7-90°-SS	1/8T7-90°-316SS	1/8T7-90°-NP	1 5/64	5/8	15/16	15/16
3/8	1/8T8-90°	1/8T8-90°-SS	1/8T8-90°-316SS	1/8T8-90°-NP	1 5/64	5/8	27/32	27/32
1/2	1/8T10-90°	1/8T10-90°-SS	1/8T10-90°-316SS	1/8T10-90°-NP	1 5/64	3/4	1 1/8	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.

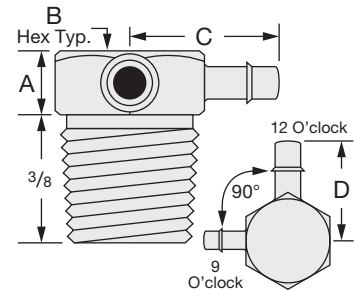
302

1/8 NPT Male Thread to Tube Reducing 90° Left-Hand Tees

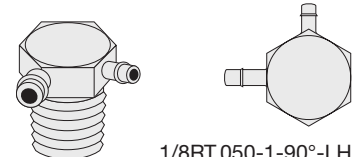
Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	3/16	7/16	3/8	Consult Factory Consult Factory
.040 / 1mm	.040	3/16	7/16	3/8	
3/64	.045	3/16	7/16	3/8	
.050	.050	3/16	7/16	3/8	
1/16	1	3/16	7/16	7/16	
5/64 / 2mm	2	3/16	7/16	7/16	
3/32	2 1/2	3/16	7/16	7/16	
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	45/64	5/8	15/16	
3/8	8	45/64	5/8	27/32	
1/2	10	45/64	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.



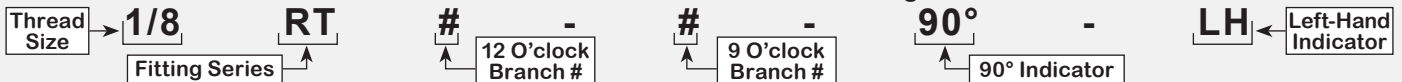
Top View: Left-hand Reducing 90° T's have the hex flat branch on the left (9 o'clock), while the hex point branch is at 12 o'clock.



1/8RT.050-1-90°-LH

M

Part Numbers for 1/8 NPT Male Thread to Tube Reducing Left-Hand 90° Tees:



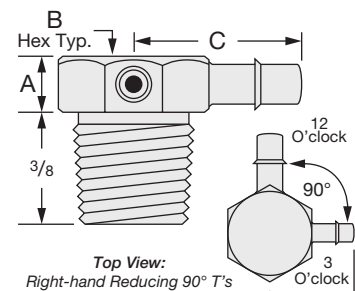
303

1/8 NPT Male Thread to Tube Reducing Right-Hand 90° Tees

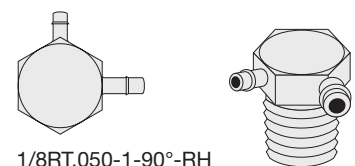
Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	3/16	7/16	3/8	Consult Factory Consult Factory
.040 / 1mm	.040	3/16	7/16	3/8	
3/64	.045	3/16	7/16	3/8	
.050	.050	3/16	7/16	3/8	
1/16	1	3/16	7/16	7/16	
5/64 / 2mm	2	3/16	7/16	7/16	
3/32	2 1/2	3/16	7/16	7/16	
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	45/64	5/8	15/16	
3/8	8	45/64	5/8	27/32	
1/2	10	45/64	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.

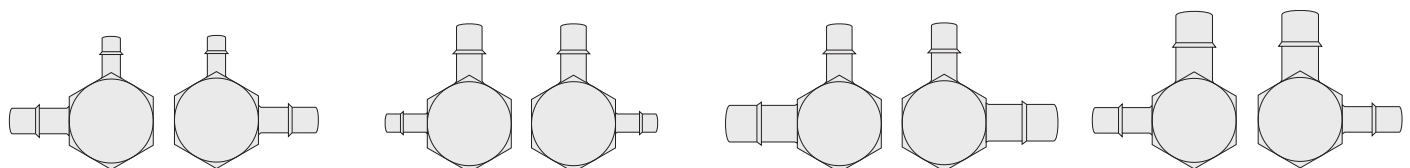
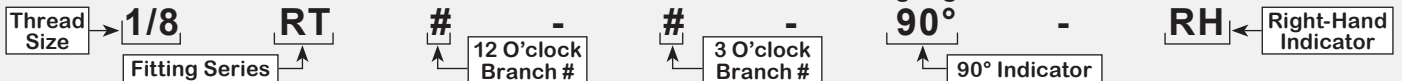


Top View: Right-hand Reducing 90° T's have the hex flat branch on the right (3 o'clock) while the hex point branch is at 12 o'clock.



1/8RT.050-1-90°-RH

Part Numbers for 1/8 NPT Male Thread to Tube Reducing Right-Hand 90° Tees:



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:

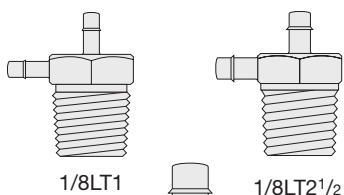
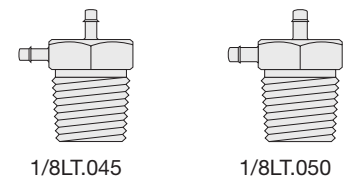
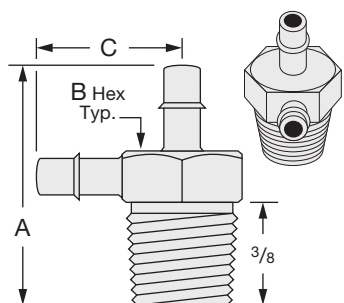
-SS = Stainless Steel 303

-316SS = Stainless Steel 316

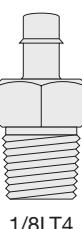
-NP = Electroless Nickel Plate

1/8 NPT Male Thread to Tube L-Tees

304



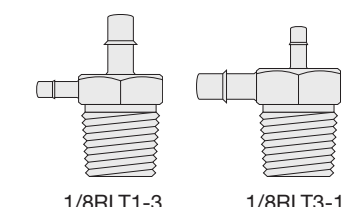
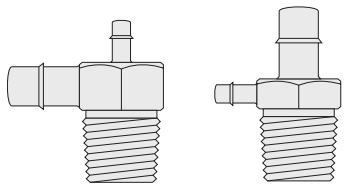
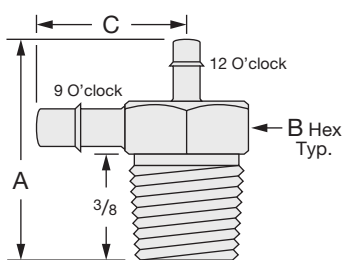
Note:
Dimensions
may vary
at time of
manufacturing.



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	1 1/16	7/16	3/8
.040 / 1mm	1/8LT.040	1/8LT.040-SS	1/8LT.040-316SS	1/8LT.040-NP	1 1/16	7/16	3/8
3/64	1/8LT.045	1/8LT.045-SS	1/8LT.045-316SS	1/8LT.045-NP	1 1/16	7/16	3/8
.050	1/8LT.050	1/8LT.050-SS	1/8LT.050-316SS	1/8LT.050-NP	1 1/16	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		
1/4	1/8LT6	1/8LT6-SS	1/8LT6-316SS	1/8LT6-NP			
5/16 / 8mm	1/8LT7	1/8LT7-SS	1/8LT7-316SS	1/8LT7-NP			
3/8	1/8LT8	1/8LT8-SS	1/8LT8-316SS	1/8LT8-NP			
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



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		5/8	15/16
3/8	8		5/8	27/32
1/2	10		3/4	1 1/8

Material options listed below!

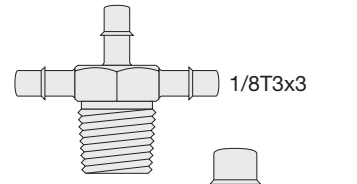
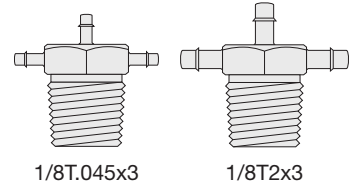
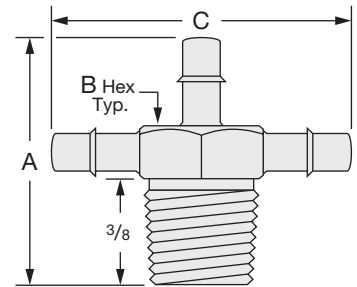
Part Numbers for 1/8 Male Thread to Tube Reducing L-Tees:				
Thread Size	1/8	RLT	#	#
	Fitting Series		9 O'clock Branch #	12 O'clock Branch #

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				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/8T.031x3	1/8T.031x3-SS	1/8T.031x3-316SS	1/8T.031x3-NP	1 1/16	7/16	3/4
.040 / 1mm	1/8T.040x3	1/8T.040x3-SS	1/8T.040x3-316SS	1/8T.040x3-NP	1 1/16	7/16	3/4
3/64	1/8T.045x3	1/8T.045x3-SS	1/8T.045x3-316SS	1/8T.045x3-NP	1 1/16	7/16	3/4
.050	1/8T.050x3	1/8T.050x3-SS	1/8T.050x3-316SS	1/8T.050x3-NP	1 1/16	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 1/8
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	5/8	1 7/8
3/8	1/8T8x3	1/8T8x3-SS	1/8T8x3-316SS	1/8T8x3-NP	Consult Factory	5/8	1 13/16
1/2	1/8T10x3	1/8T10x3-SS	1/8T10x3-316SS	1/8T10x3-NP	Consult Factory	3/4	2 1/4



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

1/8T5 1/2x3

M

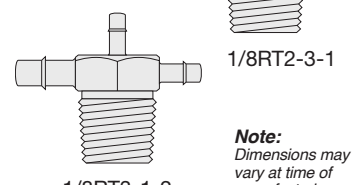
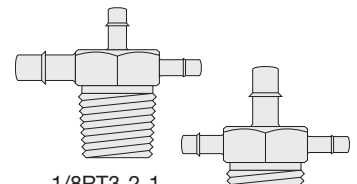
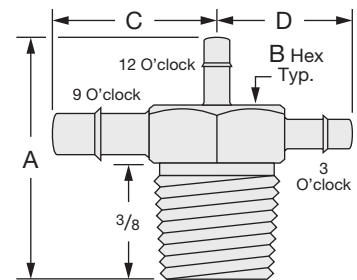
307

1/8 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	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		Dimensions (Reference)			
Tube ID	Branch Number	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		5/8	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 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	RT	#	-	#	-	#	3 O'clock Branch #
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:

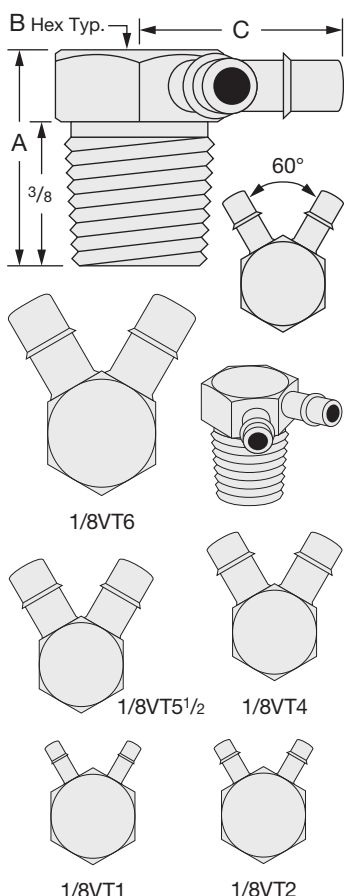
-SS = Stainless Steel 303

-316SS = Stainless Steel 316

-NP = Electroless Nickel Plate

1/8 NPT Male Thread to Tube V-Tees

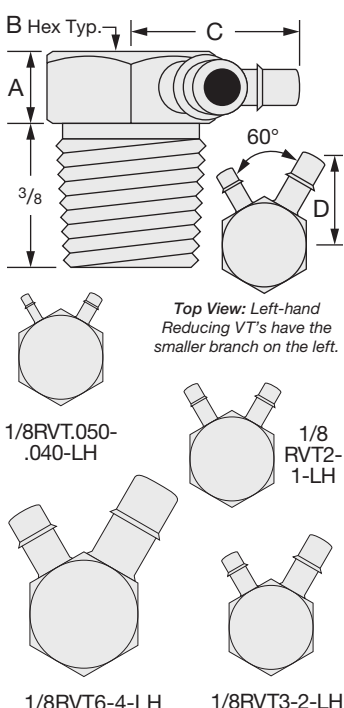
308



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	1 1/16	9/16	23/32
1/4	1/8VT6	1/8VT6-SS	1/8VT6-316SS	1/8VT6-NP	1 1/16	9/16	23/32
5/16 / 8mm	1/8VT7	1/8VT7-SS	1/8VT7-316SS	1/8VT7-NP	1 5/64	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	45/64	5/8	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 below!

Part Numbers for 1/8 NPT Male Thread to Tube Left-Hand Reducing V-Tees:

Thread Size	1/8	RVT	#	-	#	-	LH	Left-Hand Indicator
		Fitting Series			Larger Branch #			Smaller 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**

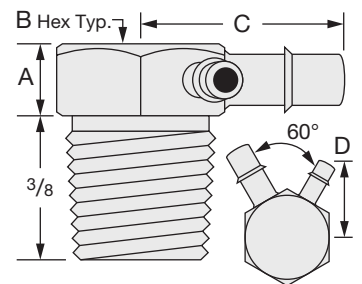
310

1/8 NPT Male Thread to Tube Right-Hand Reducing V-Tees

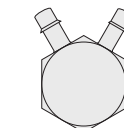
Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	3/16	7/16	3/8	3/8
.040 / 1mm	.040	3/16	7/16	3/8	3/8
3/64	.045	3/16	7/16	3/8	3/8
.050	.050	3/16	7/16	3/8	3/8
1/16	1	3/16	7/16	7/16	7/16
5/64 / 2mm	2	3/16	7/16	7/16	7/16
3/32	2 1/2	3/16	7/16	7/16	7/16
1/8	3	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	45/64	5/8	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

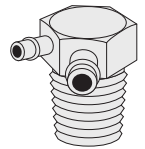
Material options listed on previous page!



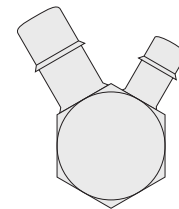
Top View: Right-hand Reducing VT's have the smaller branch on the right.



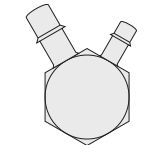
1/8 RVT2-1-RH



1/8 RVT3-2-RH

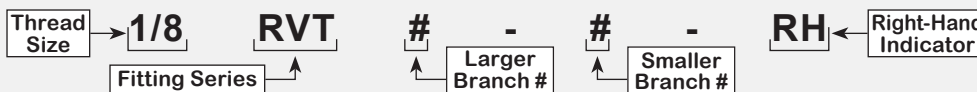


1/8 RVT4-6-RH



1/8 RVT5-10-RH

Part Numbers for 1/8 NPT Male Thread to Tube Right-Hand Reducing V-Tees:

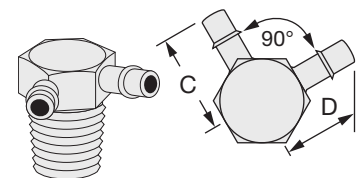
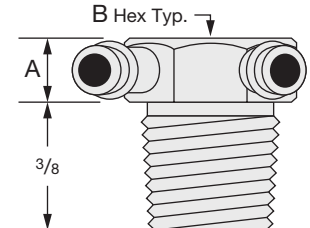


311

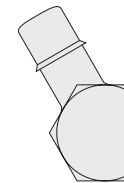
1/8 NPT Male Thread to Tube 90° V-Tees

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	3/8	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	3/8
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	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	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	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	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	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	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	17/32
.170	1/8VT4-90°	1/8VT4-90°-SS	1/8VT4-90°-316SS	1/8VT4-90°-NP	5/8	7/16	9/16	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	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	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	1 1/16	7/16	23/32	23/32
1/4	1/8VT6-90°	1/8VT6-90°-SS	1/8VT6-90°-316SS	1/8VT6-90°-NP	1 1/16	7/16	23/32	23/32
5/16 / 8mm	1/8VT7-90°	1/8VT7-90°-SS	1/8VT7-90°-316SS	1/8VT7-90°-NP	1 5/16	5/8	15/16	15/16
3/8	1/8VT8-90°	1/8VT8-90°-SS	1/8VT8-90°-316SS	1/8VT8-90°-NP	1 5/16	5/8	27/32	27/32
1/2	1/8VT10-90°	1/8VT10-90°-SS	1/8VT10-90°-316SS	1/8VT10-90°-NP	1 5/16	3/4	1 1/8	1 1/8

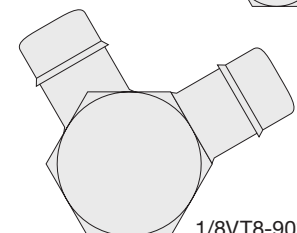
Note: for systems that do not allow the degree symbol (°) to be used, it can be substituted with 'DEG' in the part number.



1/8 VT6-90°



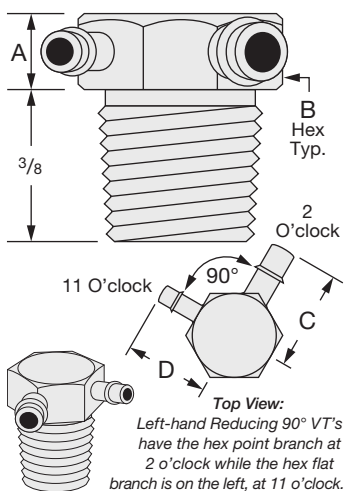
1/8 VT2-90°



1/8 VT8-90°

1/8 NPT Male Thread to Tube Reducing Left-Hand 90° V-Tees

312



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 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	45/64	5/8	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** → **RVT** → **#** - **#** - **90°** - **LH** → Left-Hand Indicator

Fitting Series

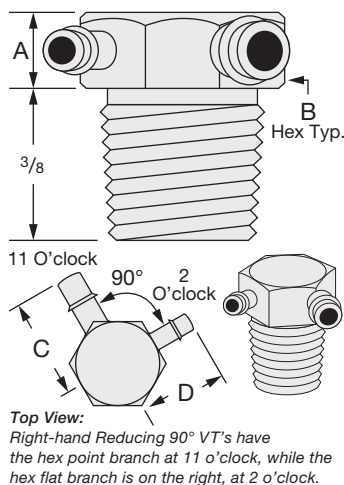
2 O'clock Branch

11 O'clock Branch

90° Indicator

1/8 NPT Male Thread to Tube Reducing Right-Hand 90° V-Tees

313



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 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	45/64	5/8	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:

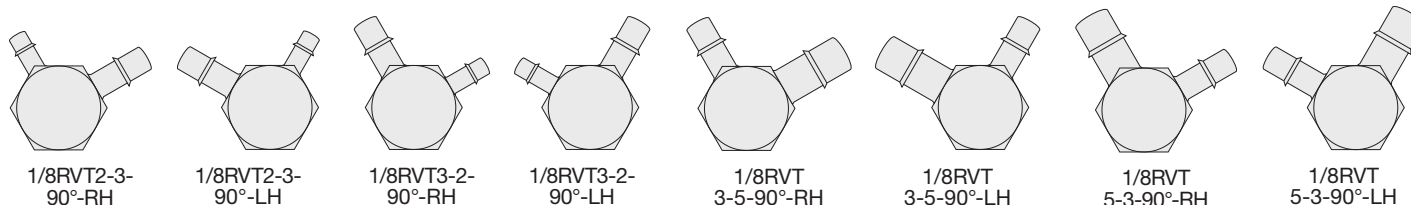
Thread Size → **1/8** → **RVT** → **#** - **#** - **90°** - **RH** → Right-Hand Indicator

Fitting Series

11 O'clock Branch

2 O'clock Branch

90° Indicator



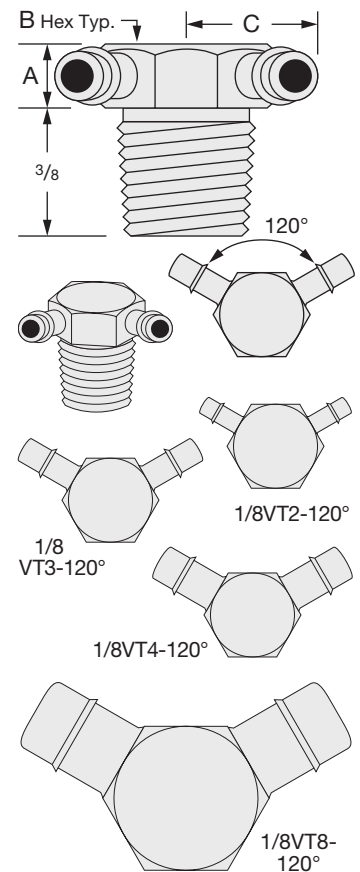
Unless otherwise specified, parts will be Brass. To order other materials, please add the following codes to the part number:

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

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	9/16	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	9/16	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	9/16	7/16	3/8
.050	1/8VT.050-120°	1/8VT.050-120°-SS	1/8VT.050-120°-316SS	1/8VT.050-120°-NP	9/16	7/16	3/8
1/16	1/8VT1-120°	1/8VT1-120°-SS	1/8VT1-120°-316SS	1/8VT1-120°-NP	9/16	7/16	7/16
5/64 / 2mm	1/8VT2-120°	1/8VT2-120°-SS	1/8VT2-120°-316SS	1/8VT2-120°-NP	9/16	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	9/16	7/16	7/16
1/8	1/8VT3-120°	1/8VT3-120°-SS	1/8VT3-120°-316SS	1/8VT3-120°-NP	9/16	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	9/16	7/16	17/32
.170	1/8VT4-120°	1/8VT4-120°-SS	1/8VT4-120°-316SS	1/8VT4-120°-NP	5/8	7/16	9/16
3/16	1/8VT5-120°	1/8VT5-120°-SS	1/8VT5-120°-316SS	1/8VT5-120°-NP	5/8	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	5/8	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	11/16	9/16	23/32
1/4	1/8VT6-120°	1/8VT6-120°-SS	1/8VT6-120°-316SS	1/8VT6-120°-NP	11/16	9/16	23/32
5/16 / 8mm	1/8VT7-120°	1/8VT7-120°-SS	1/8VT7-120°-316SS	1/8VT7-120°-NP	15/64	5/8	15/16
3/8	1/8VT8-120°	1/8VT8-120°-SS	1/8VT8-120°-316SS	1/8VT8-120°-NP	15/64	5/8	27/32
1/2	1/8VT10-120°	1/8VT10-120°-SS	1/8VT10-120°-316SS	1/8VT10-120°-NP	15/64	5/8	1 1/8



M

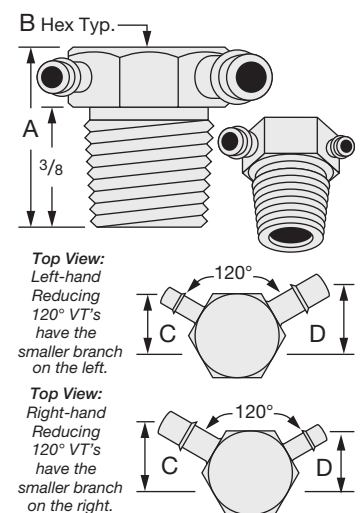
315

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

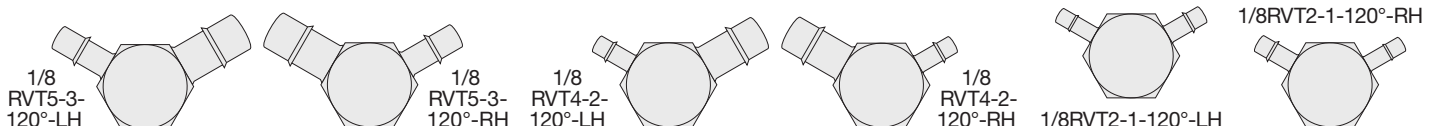
Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
.170	4	1/4	7/16	9/16	9/16
3/16	5	1/4	7/16	19/32	19/32
7/32	5 1/2	1/4	7/16	19/32	19/32
6mm	5 3/4	5/16	9/16	23/32	23/32
1/4	6	5/16	9/16	23/32	23/32
5/16 / 8mm	7	45/64	5/8	15/16	15/16
3/8	8	45/64	5/8	27/32	27/32
1/2	10	45/64	5/8	1 1/8	1 1/8

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



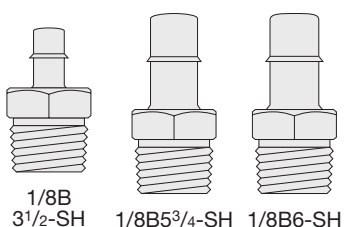
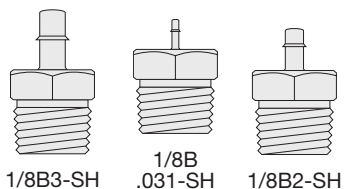
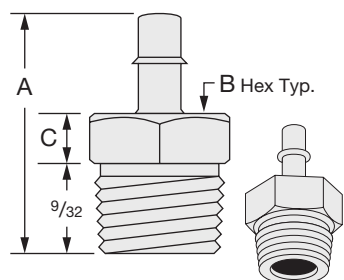
Part Numbers for 1/8 NPT Male Thread to Tube Reducing Left or Right-Hand 120° V-Tees:

Thread Size	1/8	RVT	#	-	#	-	120°	-	LH/RH	120° Indicator
		Fitting Series			Larger Branch		Smaller Branch		Left/Right-Hand Indicator	



1/8 NPT Short Male Thread to Tube

316

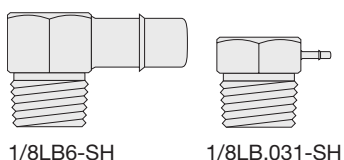
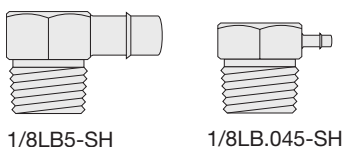
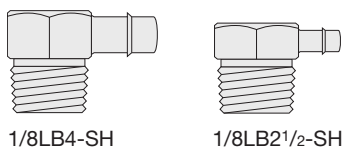
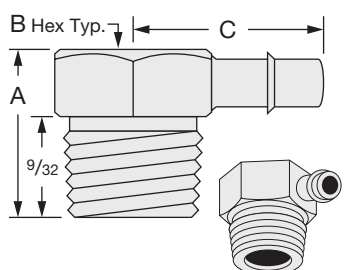


Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/8B.031-SH	1/8B.031-SH-SS	1/8B.031-SH-316SS	N/A	1/8B.031-SH-NP	5/16	7/16	5/32
.040 / 1mm	1/8B.040-SH	1/8B.040-SH-SS	1/8B.040-SH-316SS	N/A	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

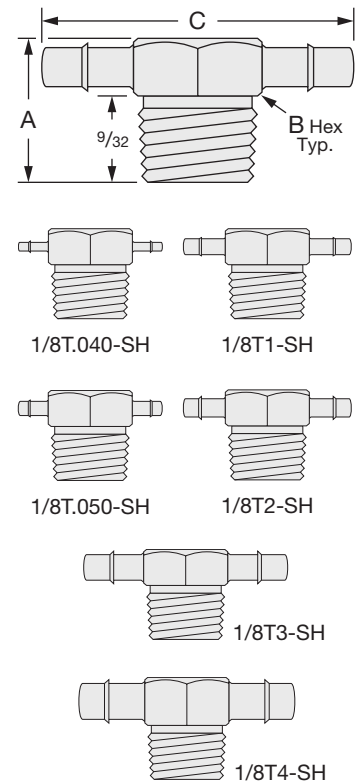
Note: Images are for visual representation only. Dimensions may vary at time of manufacturing.

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				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	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 1/8
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

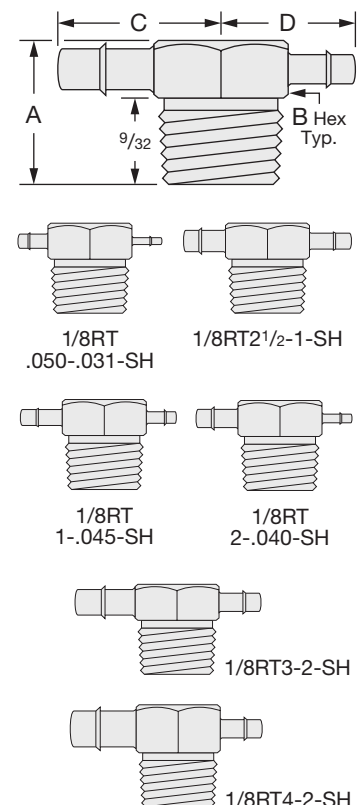


319

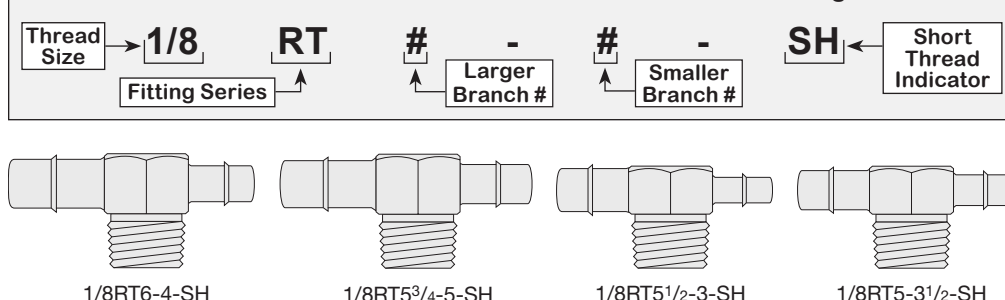
1/8 NPT Short Male Thread to Tube Reducing Tees

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	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



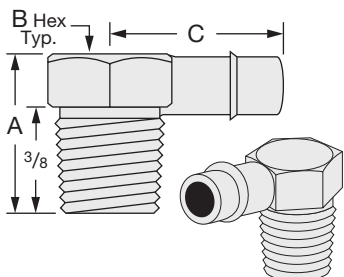
Part Numbers for 1/8 NPT Short Male Thread to Tube Reducing Tees:



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 Low Profile Elbows

320

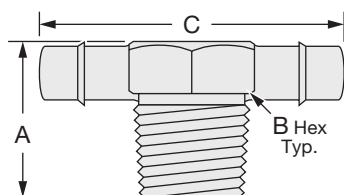


Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
.170	1/8LB4-LP	1/8LB4-LP-SS	1/8LB4-LP-316SS	1/8LB4-LP-NP	15/16	7/16	9/16
3/16	1/8LB5-LP	1/8LB5-LP-SS	1/8LB5-LP-316SS	1/8LB5-LP-NP	15/16	7/16	19/32

Low Profile Fittings: #4 & #5 Branches with shorter (3/16 vs. 1/4) hex height!

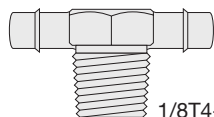
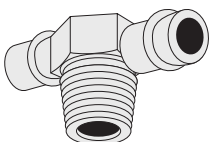
1/8 NPT Male Thread to Tube Low Profile Tees

321

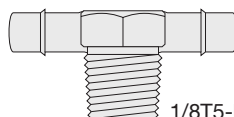


Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
.170	1/8T4-LP	1/8T4-LP-SS	1/8T4-LP-316SS	1/8T4-LP-NP	15/16	7/16	1 1/8
3/16	1/8T5-LP	1/8T5-LP-SS	1/8T5-LP-316SS	1/8T5-LP-NP	15/16	7/16	1 3/16

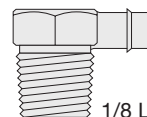
Note:
Dimensions
may vary
at time of
manufacturing.



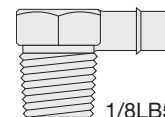
1/8T4-LP



1/8T5-LP



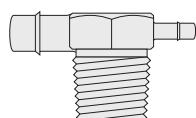
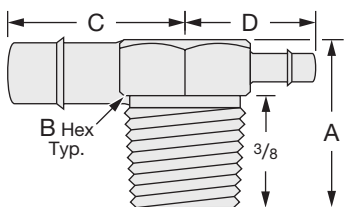
1/8 LB4-LP



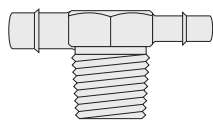
1/8LB5-LP

1/8 NPT Male Thread to Tube Low Profile Reducing Tees

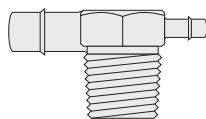
322



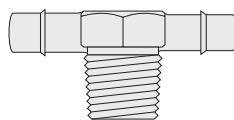
1/8RT4-1-LP



1/8RT4-3-LP



1/8RT5-2-LP



1/8RT5-4-LP

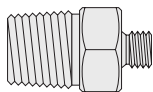
Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
.170	1/32	1/8RT4-.031-LP	1/8RT4-.031-LP-SS	1/8RT4-.031-LP-316SS	1/8RT4-.031-LP-NP	15/16	7/16	9/16	3/8
.170	.040 / 1mm	1/8RT4-.040-LP	1/8RT4-.040-LP-SS	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.

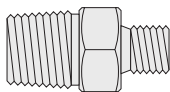
323

1/8 NPT Male Thread Hex Nipple & Reducing Hex Nipples

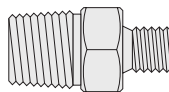
9 O'clock Thread Size	3 O'clock Thread Size	Part Numbers					Dimensions (Reference)	
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.
1/8 NPT	1/8 NPT	1/8HN	1/8HN-SS	1/8HN-316SS	1/8HN-AL	1/8HN-NP	31/32	7/16
1/8 NPT	10-32	1/8x10-RHN	1/8x10-RHN-SS	1/8x10-RHN-316SS	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	Consult Factory	
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	1/8xM10x 1.25-RHN-SS	1/8xM10x 1.25-RHN-316SS	1/8xM10x 1.25-RHN-AL	1/8xM10x 1.25-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



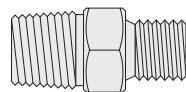
1/8x10-RHN



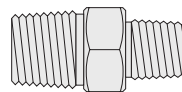
1/8x4-28-RHN



1/8xM6x1-RHN

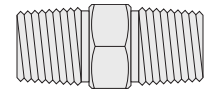
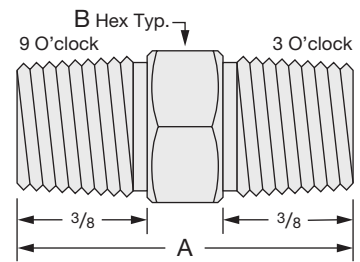


1/8xM8x1-RHN



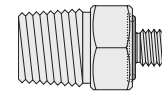
1/8x1/16-RHN

Reducing Hex Nipples are available with branches: Tees & Crosses! Consult factory for details!

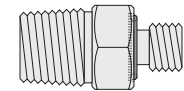


1/8HN

O-ring options available on straight (reducing) threads!



1/8x10-RHN-O



1/8x4-28-RHN-O

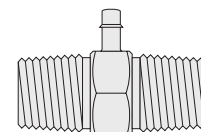
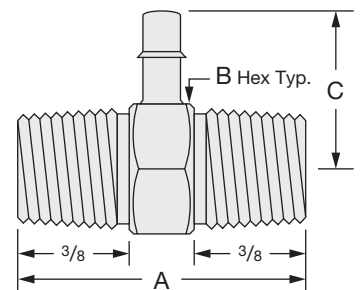
O-ring material options on pg 65!

M

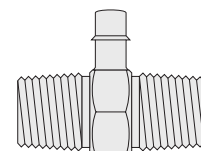
324

1/8 NPT Male Nipples with Tube Branches: Tees

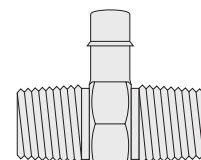
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/8HN-T.031	1/8HN-T.031-SS	1/8HN-T.031-316SS	1/8HN-T.031-NP	31/32	7/16	3/8
.040 / 1mm	1/8HN-T.040	1/8HN-T.040-SS	1/8HN-T.040-316SS	1/8HN-T.040-NP	31/32	7/16	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



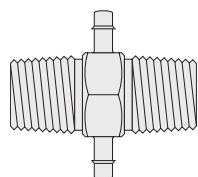
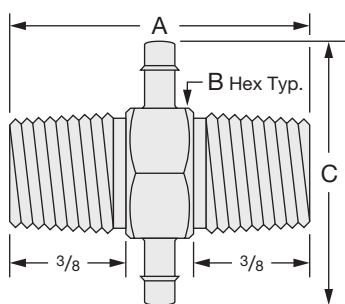
1/8HN-T3 1/2



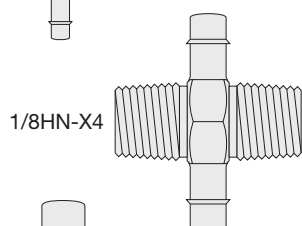
1/8HN-T5

1/8 NPT Male Thread Nipples with Tube Branches: Crosses

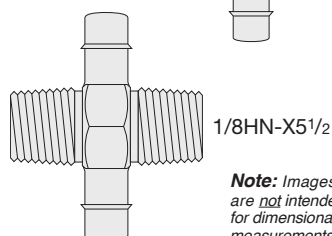
325



1/8HN-X2



1/8HN-X4



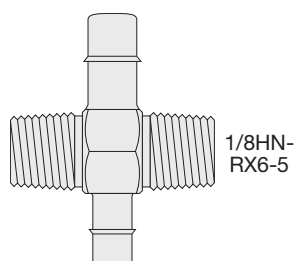
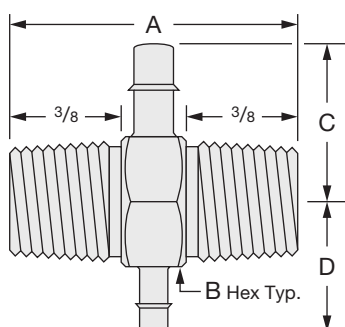
1/8HN-X5 1/2

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	3 1/32	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	3 1/32	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	3 1/32	7/16	3/4
.050	1/8HN-X.050	1/8HN-X.050-SS	1/8HN-X.050-316SS	1/8HN-X.050-NP	3 1/32	7/16	3/4
1/16	1/8HN-X1	1/8HN-X1-SS	1/8HN-X1-316SS	1/8HN-X1-NP	3 1/32	7/16	7/8
5/64 / 2mm	1/8HN-X2	1/8HN-X2-SS	1/8HN-X2-316SS	1/8HN-X2-NP	3 1/32	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	3 1/32	7/16	7/8
1/8	1/8HN-X3	1/8HN-X3-SS	1/8HN-X3-316SS	1/8HN-X3-NP	3 1/32	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	3 1/32	7/16	1 1/16
.170	1/8HN-X4	1/8HN-X4-SS	1/8HN-X4-316SS	1/8HN-X4-NP	3 1/32	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 Nipples with Tube Branches: Reducing Crosses

326



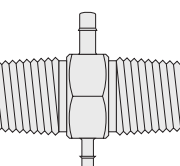
1/8HN-RX6-5

Branches		Dimensions (Reference)			
Tube ID	Branch #	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	3 1/32	7/16	3/8	3/8
.040 / 1mm	.040	3 1/32	7/16	3/8	3/8
3/64	.045	3 1/32	7/16	3/8	3/8
.050	.050	3 1/32	7/16	3/8	3/8
1/16	1	3 1/32	7/16	7/16	7/16
5/64 / 2mm	2	3 1/32	7/16	7/16	7/16

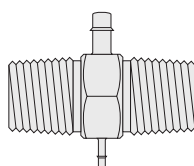
Branches		Dimensions (Reference)			
Tube ID	Branch #	A Ref.	B Typ.	C Ref.	D Ref.
3/32	2 1/2	3 1/32	7/16	7/16	7/16
1/8	3	3 1/32	7/16	17/32	17/32
5/32 / 4mm	3 1/2	3 1/32	7/16	17/32	17/32
.170	4	3 1/32	7/16	9/16	9/16
3/16	5	1	7/16	19/32	19/32
7/32	5 1/2	1	7/16	19/32	19/32

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			

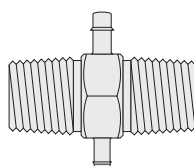
Reducing Thread options available!



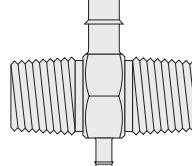
1/8HN-RX1-.045



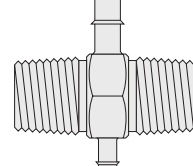
1/8HN-RX2-.031



1/8HN-RX2-1



1/8HN-RX3 1/2-1



1/8HN-RX3-2

Part Numbers for 1/8 NPT Nipples with Reducing Cross Branches:

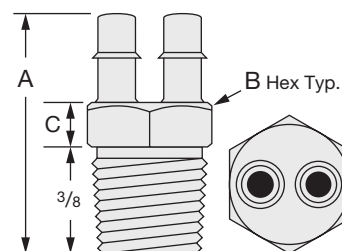
Thread Size	1/8	HN-RX	#	-	#	Smaller Branch #
		Fitting Series		Larger Branch #		

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

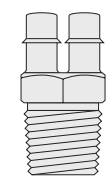
327

1/8 NPT Male Thread Straight Manifolds with 2 Branches

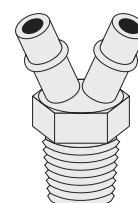
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/8B.031x2	1/8B.031x2-SS	1/8B.031x2-316SS	1/8B.031x2-NP	23/32	7/16	3/16
.040 / 1mm	1/8B.040x2	1/8B.040x2-SS	1/8B.040x2-316SS	1/8B.040x2-NP	23/32	7/16	3/16
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



Due to their sizes, #4 & #5 branches are mounted at an angle on the hex.



1/8B3 1/2x2

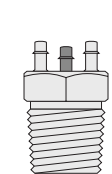
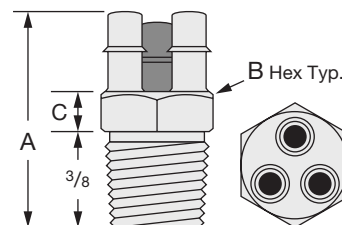


M

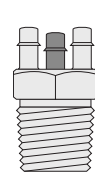
328

1/8 NPT Male Thread Straight Manifolds with 3 Branches

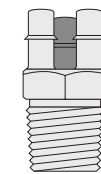
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/8B.031x3	1/8B.031x3-SS	1/8B.031x3-316SS	1/8B.031x3-NP	23/32	7/16	3/16
.040 / 1mm	1/8B.040x3	1/8B.040x3-SS	1/8B.040x3-316SS	1/8B.040x3-NP	23/32	7/16	3/16
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



1/8B.045x3



1/8B2x3

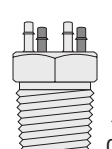
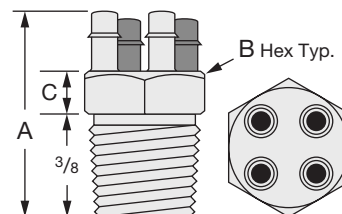


1/8B3x3

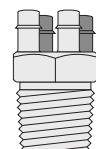
329

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



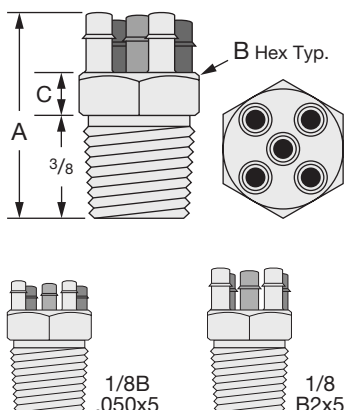
1/8B.040x4



1/8B2 1/2x4

1/8 NPT Male Thread Straight Manifolds with 5 Branches

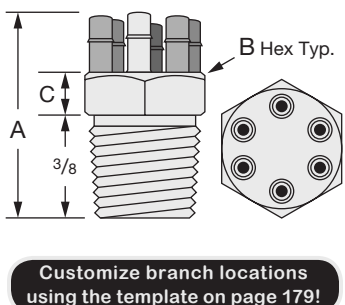
330



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

1/8 NPT Male Thread to Tube Manifolds with 6 Branches

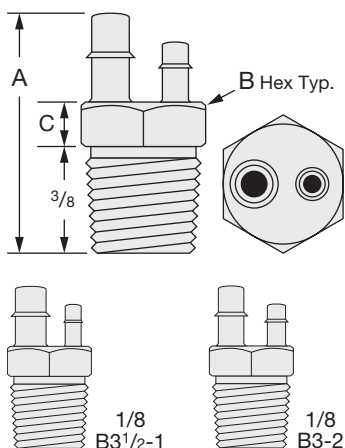
331



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



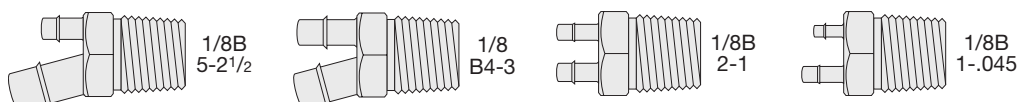
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/32	.031	23/32	7/16	3/16
.040 / 1mm	.040	23/32	7/16	3/16
3/64	.045	23/32	7/16	3/16
.050	.050	23/32	7/16	3/16
1/16	1	25/32	7/16	3/16
5/64 / 2mm	2	25/32	7/16	3/16

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

Unless otherwise specified, parts will be Brass.

Part Numbers for 1/8 NPT Male Thread Reducing Manifolds with 2 Branches:

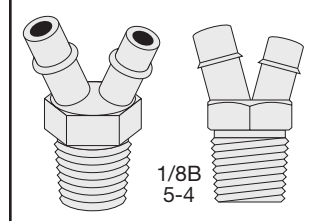
Thread Size	1/8	B	#	-	#	Smaller Branch Number
		Fitting Series				Larger Branch Number



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

Note: 1/8B5-4 branches are mounted at an angle on the hex!

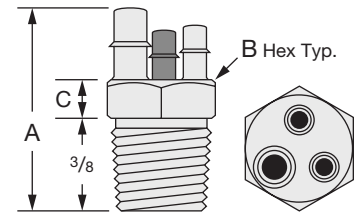


333

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



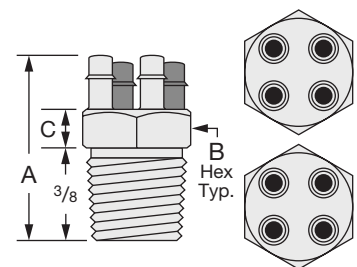
Material options listed on previous page!

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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



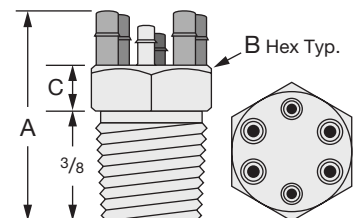
Material options listed on previous page!

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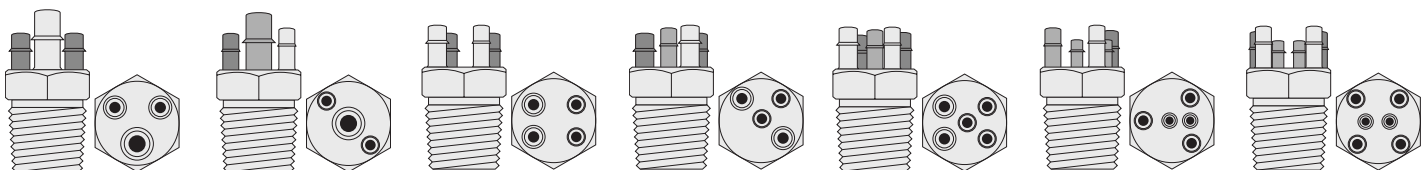
1/8 NPT Male Thread Straight Reducing Manifolds with 6 Branches

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

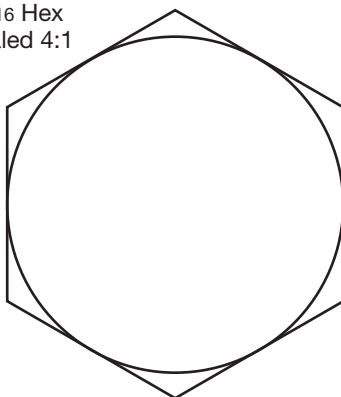
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
.050	.050	23/32	7/16	3/16
1/16	1	25/32	7/16	3/16



Material options listed on previous page!



Top View:
7/16 Hex
Scaled 4:1



1/8 NPT Male Thread Straight Manifold Template for Branch Sizes and Locations

To Use:

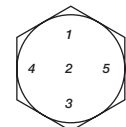
Indicate the desired location of each branch by writing the numbers 1 through 6 (1 = 1st Branch, etc.) on the diagram on the left. Mark the coordinating Branch Number (size) in the chart below. Reference tables on pages 177-179 for Branch Numbers and Tube ID's. Upon receipt of this template, a part number* 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:

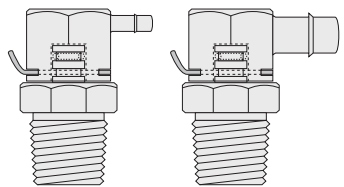
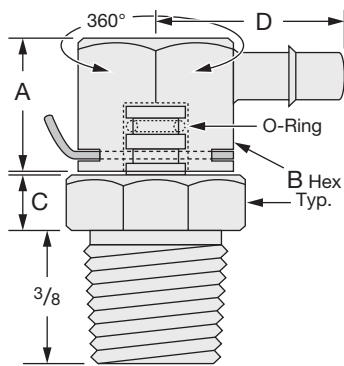
1st Branch(1)= 2 4th Branch(4)= 1
 2nd Branch(2)= 2 5th Branch(5)= 1
 3rd Branch(3)= 2 6th Branch(6)= n/a

Part number: 1/8B2-2-2-1-1
 Two #2 Branches (1st, 2nd, 3rd)
 Two #1 Branches (4th, 5th)

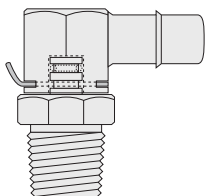
*Part numbers will vary depending on branch configuration

1/8 NPT Male Thread to Tube Swivel Elbows with Clip Groove

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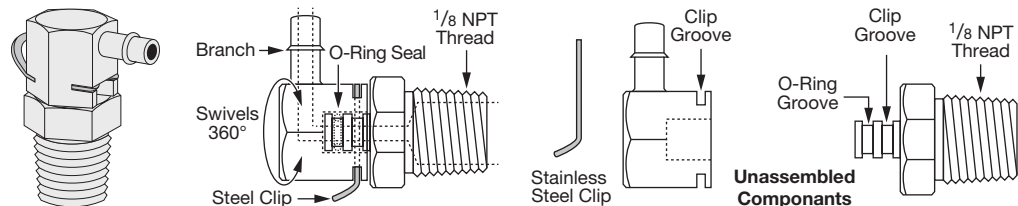
1/8SW-LB1-GT 1/8SW-LB4-GT



1/8SW-LB6-GT

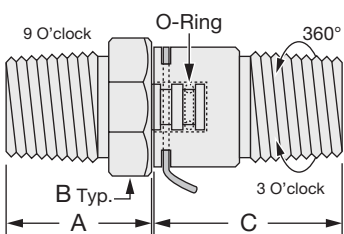
Other Swivel fitting options available!
See pages 504 - 515!
Consult factory for details!

Tube ID	Part Numbers				Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	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 Consult Factory 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-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		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

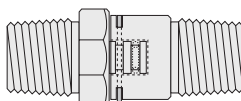


1/8 NPT Male Thread Swivel Nipples and Reducing Swivel Nipples

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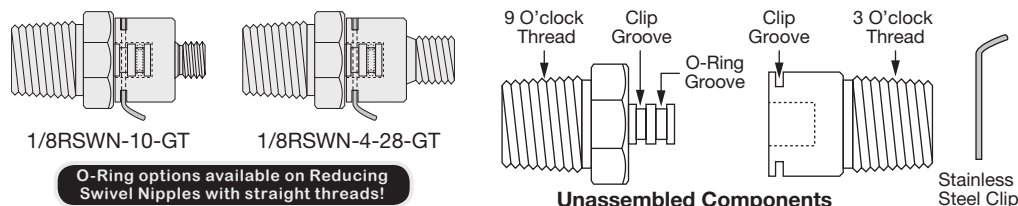


1/8SWN-GT



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	1/8RSWN-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			



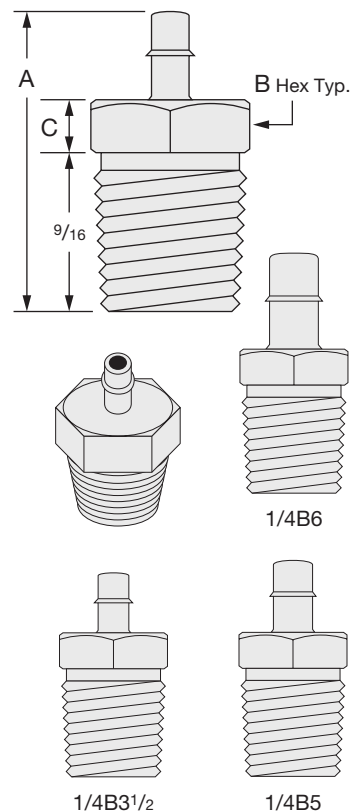
Note: Images are for visual representation only; not intended for dimensional measurements.

O-Ring options available on Reducing Swivel Nipples with straight threads!

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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

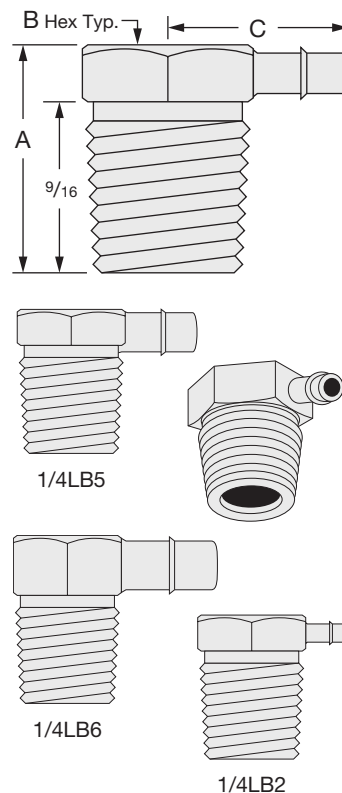


N

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1/4 NPT Male Thread to Tube Elbows

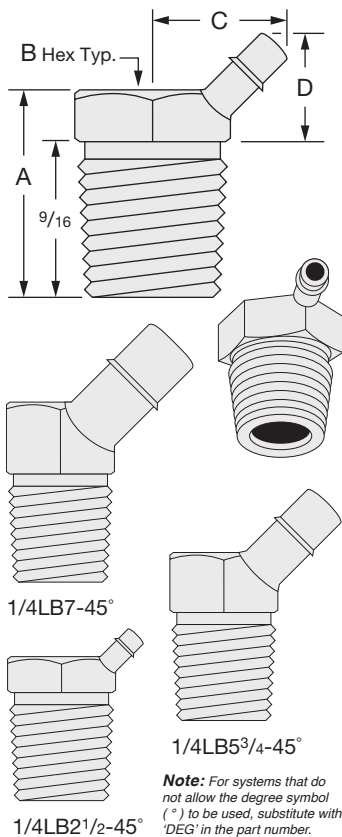
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/4LB.031	1/4LB.031-SS	1/4LB.031-316SS	1/4LB.031-NP	3/4	9/16	7/16
.040 / 1mm	1/4LB.040	1/4LB.040-SS	1/4LB.040-316SS	1/4LB.040-NP	3/4	9/16	7/16
3/64	1/4LB.045	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	25/32
1/4	1/4LB6	1/4LB6-SS	1/4LB6-316SS	1/4LB6-NP	7/8	9/16	25/32
5/16 / 8mm	1/4LB7	1/4LB7-SS	1/4LB7-316SS	1/4LB7-NP	15/16	5/8	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

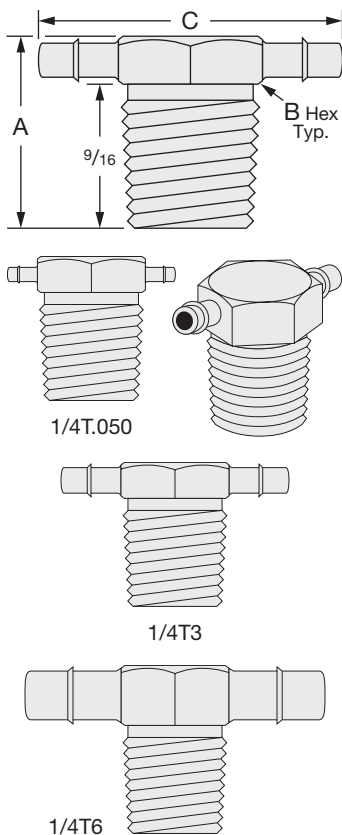
340



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	Consult Factory	Consult Factory
.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	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory
.050	1/4LB.050-45°	1/4LB.050-45°-SS	1/4LB.050-45°-316SS	1/4LB.050-45°-NP	3/4	9/16	Consult Factory	Consult Factory
1/16	1/4LB1-45°	1/4LB1-45°-SS	1/4LB1-45°-316SS	1/4LB1-45°-NP	3/4	9/16	Consult Factory	Consult Factory
5/64 / 2mm	1/4LB2-45°	1/4LB2-45°-SS	1/4LB2-45°-316SS	1/4LB2-45°-NP	3/4	9/16	Consult Factory	Consult Factory
3/32	1/4LB2 ^{1/2} -45°	1/4LB2 ^{1/2} -45°-SS	1/4LB2 ^{1/2} -45°-316SS	1/4LB2 ^{1/2} -45°-NP	3/4	9/16	Consult Factory	Consult Factory
1/8	1/4LB3-45°	1/4LB3-45°-SS	1/4LB3-45°-316SS	1/4LB3-45°-NP	3/4	9/16	Consult Factory	Consult Factory
5/32 / 4mm	1/4LB3 ^{1/2} -45°	1/4LB3 ^{1/2} -45°-SS	1/4LB3 ^{1/2} -45°-316SS	1/4LB3 ^{1/2} -45°-NP	3/4	9/16	Consult Factory	Consult Factory
.170	1/4LB4-45°	1/4LB4-45°-SS	1/4LB4-45°-316SS	1/4LB4-45°-NP	3/4	9/16	Consult Factory	Consult Factory
3/16	1/4LB5-45°	1/4LB5-45°-SS	1/4LB5-45°-316SS	1/4LB5-45°-NP	3/4	9/16	Consult Factory	Consult Factory
7/32	1/4LB5 ^{1/2} -45°	1/4LB5 ^{1/2} -45°-SS	1/4LB5 ^{1/2} -45°-316SS	1/4LB5 ^{1/2} -45°-NP	3/4	9/16	Consult Factory	Consult Factory
6mm	1/4LB5 ^{3/4} -45°	1/4LB5 ^{3/4} -45°-SS	1/4LB5 ^{3/4} -45°-316SS	1/4LB5 ^{3/4} -45°-NP	7/8	9/16	Consult Factory	Consult Factory
1/4	1/4LB6-45°	1/4LB6-45°-SS	1/4LB6-45°-316SS	1/4LB6-45°-NP	7/8	9/16	Consult Factory	Consult Factory
5/16 / 8mm	1/4LB7-45°	1/4LB7-45°-SS	1/4LB7-45°-316SS	1/4LB7-45°-NP	15/16	9/16	Consult Factory	Consult Factory
3/8	1/4LB8-45°	1/4LB8-45°-SS	1/4LB8-45°-316SS	1/4LB8-45°-NP	1 ¹⁷ / ₆₄	5/8	Consult Factory	Consult Factory
1/2	1/4LB10-45°	1/4LB10-45°-SS	1/4LB10-45°-316SS	1/4LB10-45°-NP	1 ¹⁷ / ₆₄	5/8	Consult Factory	Consult Factory

1/4 NPT Male Thread to Tube Tees

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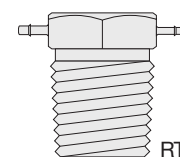
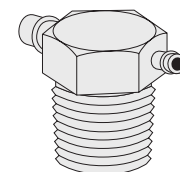
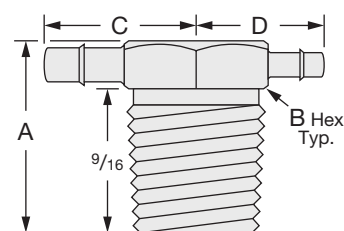
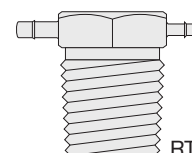
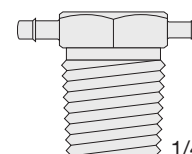


Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/4T.031	1/4T.031-SS	1/4T.031-316SS	1/4T.031-NP	3/4	9/16	7/8
.040 / 1mm	1/4T.040	1/4T.040-SS	1/4T.040-316SS	1/4T.040-NP	3/4	9/16	7/8
3/64	1/4T.045	1/4T.045-SS	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	1/4T2 ^{1/2}	1/4T2 ^{1/2} -SS	1/4T2 ^{1/2} -316SS	1/4T2 ^{1/2} -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	1/4T3 ^{1/2}	1/4T3 ^{1/2} -SS	1/4T3 ^{1/2} -316SS	1/4T3 ^{1/2} -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	1/4T5 ^{1/2}	1/4T5 ^{1/2} -SS	1/4T5 ^{1/2} -316SS	1/4T5 ^{1/2} -NP	3/4	9/16	1 ⁵ / ₁₆
6mm	1/4T5 ^{3/4}	1/4T5 ^{3/4} -SS	1/4T5 ^{3/4} -316SS	1/4T5 ^{3/4} -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

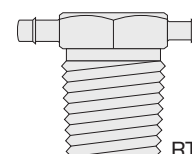
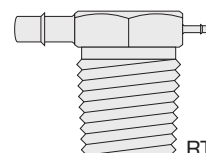
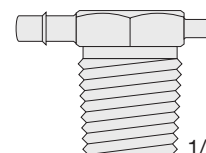
342

1/4 NPT Male Thread to Tube Reducing Tees

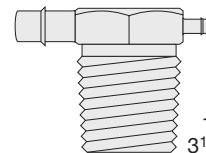
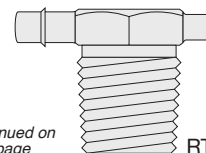
Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
.040 / 1mm	1/32	1/4RT.040-.031	1/4RT.040-.031-SS	1/4RT.040-.031-316SS	1/4RT.040-.031-NP	3/4	9/16	7/16	7/16
3/64	1/32	1/4RT.045-.031	1/4RT.045-.031-SS	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


1/4
RT.040-.031

1/4
RT1-.045


1/4RT2-1


1/4
RT2 1/2-2

1/4
RT3-.031


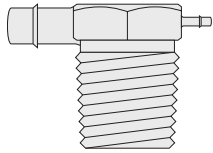
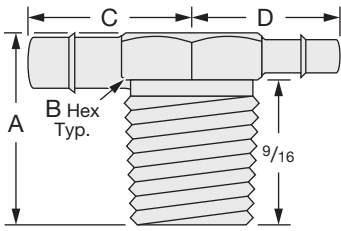
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1/4RT
3 1/2-.050

1/4
RT3 1/2-3

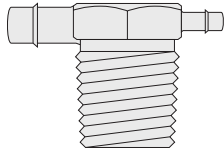
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next page

1/4 NPT Male Thread to Tube Reducing Tees (continued)

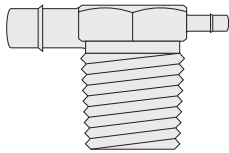
343



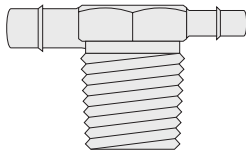
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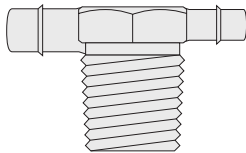
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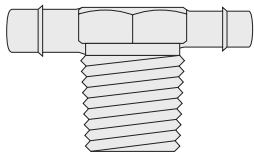
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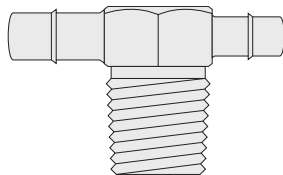
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1/4RT5 1/2-3 1/2



1/4RT5 1/2-4



1/4RT5 3/4-5

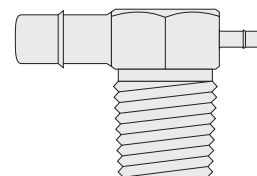
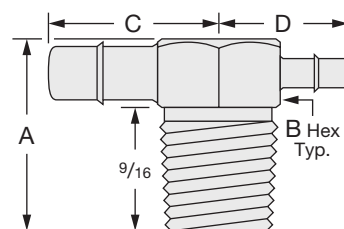
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Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
.170	1/32	1/4RT4-.031	1/4RT4-.031-SS	1/4RT4-.031-316SS	1/4RT4-.031-NP	3/4	9/16	5/8	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	25/32	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	25/32	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	25/32	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	25/32	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	25/32	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	25/32	21/32

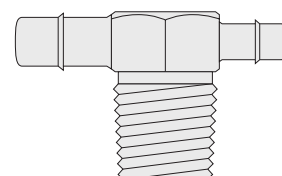
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1/4 NPT Male Thread to Tube Reducing Tees (continued)

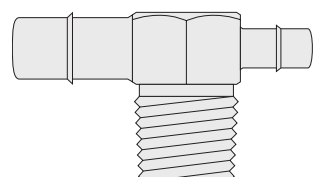
Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/4	1/16	1/4RT6-1	1/4RT6-1-SS	1/4RT6-1-316SS	1/4RT6-1-NP	7/8	9/16	25/32	1/2
1/4	5/64 / 2mm	1/4RT6-2	1/4RT6-2-SS	1/4RT6-2-316SS	1/4RT6-2-NP	7/8	9/16	25/32	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	25/32	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	25/32	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	25/32	19/32
1/4	.170	1/4RT6-4	1/4RT6-4-SS	1/4RT6-4-316SS	1/4RT6-4-NP	7/8	9/16	25/32	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	25/32	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	25/32	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	25/32	25/32
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	1 1/16
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	1 1/16
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	1 1/16
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	1 1/16
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



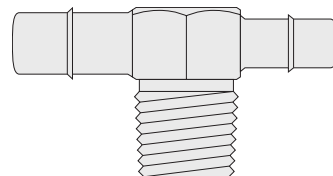
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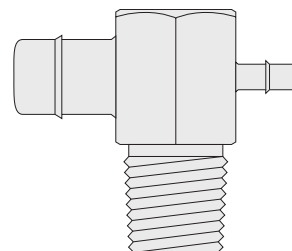
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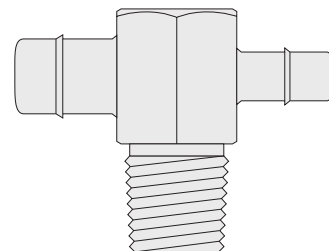
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1/4RT7-6



1/4RT8-3

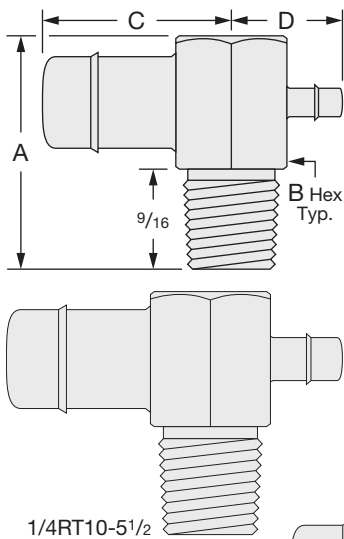


1/4RT8-6

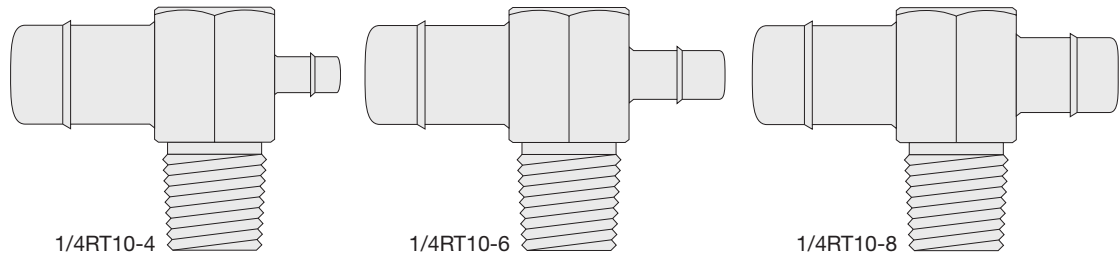
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1/4 NPT Male Thread to Tube Reducing Tees (continued)

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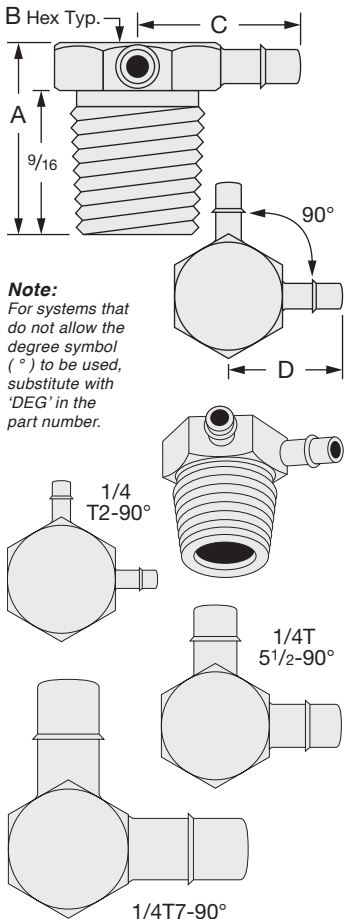
Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/2	5/32 / 4mm	1/4RT10-3 1/2	1/4RT10-3 1/2-SS	1/4RT10-3 1/2-316SS	1/4RT10-3 1/2-NP	1 17/64	5/8	1 1/32	1/2
1/2	.170	1/4RT10-4	1/4RT10-4-SS	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	1 1/16
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	1 1/16
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



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

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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		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		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		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		7/16
1/16	1/4T1-90°	1/4T1-90°-SS	1/4T1-90°-316SS	1/4T1-90°-NP	3/4	9/16		1/2
5/64 / 2mm	1/4T2-90°	1/4T2-90°-SS	1/4T2-90°-316SS	1/4T2-90°-NP	3/4	9/16		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		19/32
1/8	1/4T3-90°	1/4T3-90°-SS	1/4T3-90°-316SS	1/4T3-90°-NP	3/4	9/16		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		19/32
.170	1/4T4-90°	1/4T4-90°-SS	1/4T4-90°-316SS	1/4T4-90°-NP	3/4	9/16		5/8
3/16	1/4T5-90°	1/4T5-90°-SS	1/4T5-90°-316SS	1/4T5-90°-NP	3/4	9/16		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		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		25/32
1/4	1/4T6-90°	1/4T6-90°-SS	1/4T6-90°-316SS	1/4T6-90°-NP	7/8	9/16		25/32
5/16 / 8mm	1/4T7-90°	1/4T7-90°-SS	1/4T7-90°-316SS	1/4T7-90°-NP	15/16	5/8		29/32
3/8	1/4T8-90°	1/4T8-90°-SS	1/4T8-90°-316SS	1/4T8-90°-NP	1 17/64	5/8		27/32
1/2	1/4T10-90°	1/4T10-90°-SS	1/4T10-90°-316SS	1/4T10-90°-NP	1 17/64	5/8		1 1/32

Consult Factory Consult Factory Consult Factory

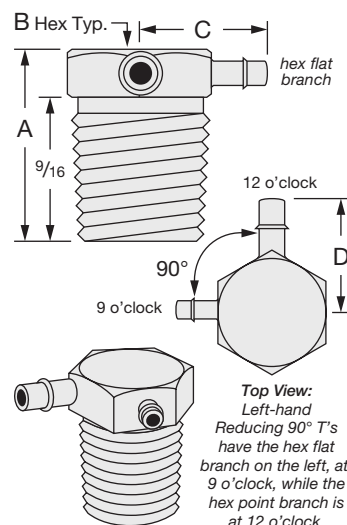
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1/4 NPT Male Thread to Tube Reducing 90° Left-Hand Tees

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	25/32	
1/4	6	7/8	9/16	25/32	
5/16 / 8mm	7	15/16	5/8	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.



Part Numbers for 1/4 NPT Male Thread to Tube Reducing Left-Hand 90° Tees:



N

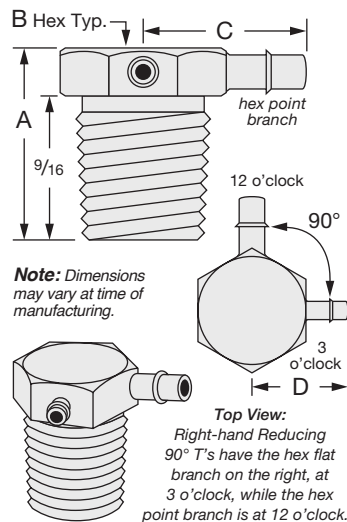
348

1/4 NPT Male Thread to Tube Reducing Right-Hand 90° Tees

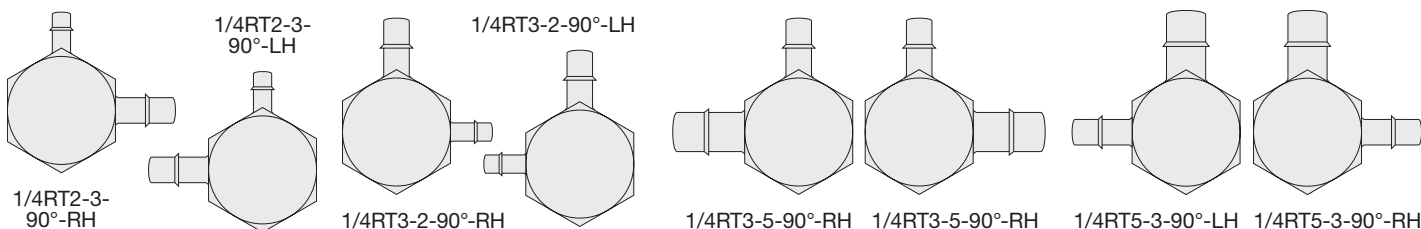
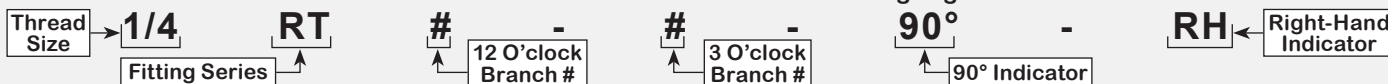
Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	3/4	9/16	7/16	Consult Factory
.040 / 1mm	.040	3/4	9/16	7/16	
3/64	.045	3/4	9/16	7/16	
.050	.050	3/4	9/16	7/16	
1/16	1	3/4	9/16	1/2	
5/64 / 2mm	2	3/4	9/16	1/2	
3/32	2 1/2	3/4	9/16	1/2	
1/8	3	3/4	9/16	19/32	
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	25/32	
1/4	6	7/8	9/16	25/32	
5/16 / 8mm	7	15/16	5/8	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.



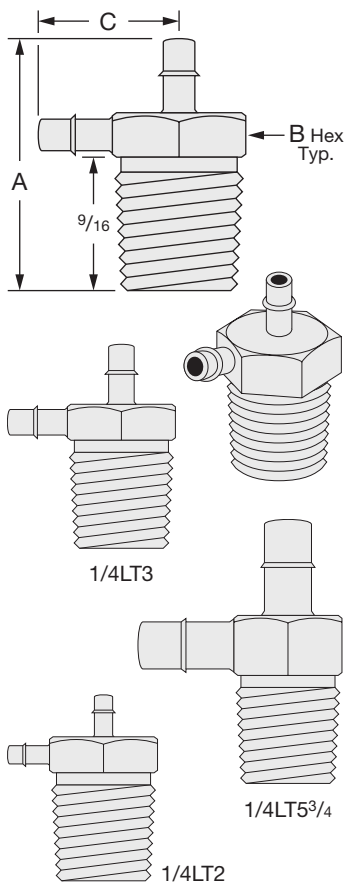
Part Numbers for 1/4 NPT Male Thread to Tube Reducing Right-Hand 90° Tees:



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

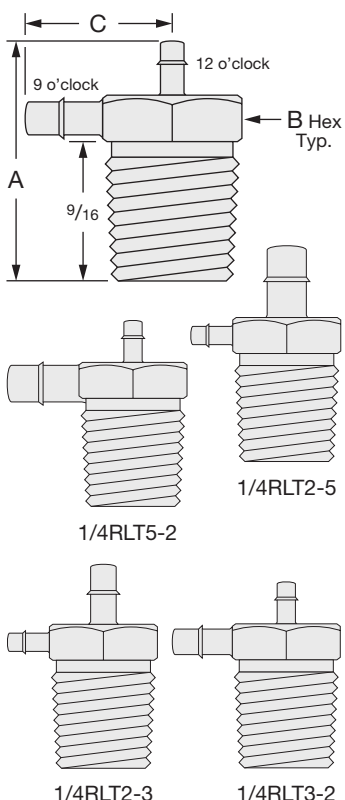
349



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	25/32
1/4	1/4LT6	1/4LT6-SS	1/4LT6-316SS	1/4LT6-NP	1 3/8	9/16	25/32
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 5/16	9/16	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

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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	25/32
1/4	6	1 3/8	9/16	25/32
5/16 / 8mm	7	1 1/2	9/16	29/32
3/8	8	1 5/16	9/16	27/32
1/2	10	2 1/64	5/8	1 1/32

Material options listed below!

Part Numbers for 1/4 Male Thread to Tube Reducing L-Tees:

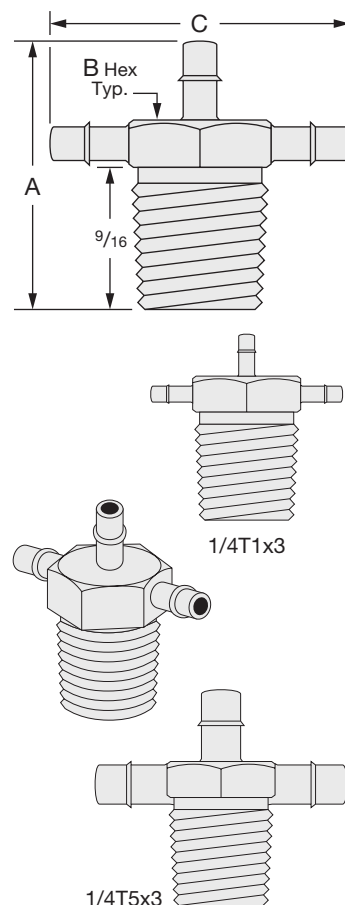
Thread Size	1/4	RLT	#	-	#	12 O'clock Branch #
		Fitting Series				9 O'clock Branch #

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

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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 5/16	5/8	1 11/16
1/2	1/4T10x3	1/4T10x3-SS	1/4T10x3-316SS	1/4T10x3-NP	2 1/16	5/8	2 1/16



N

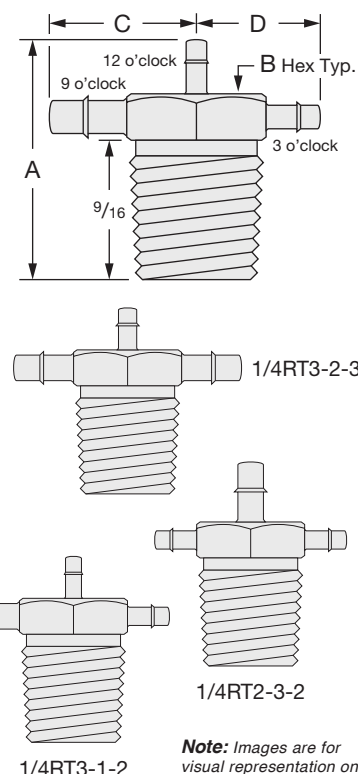
352

1/4 NPT Male Thread to Tube Reducing Tees x 3

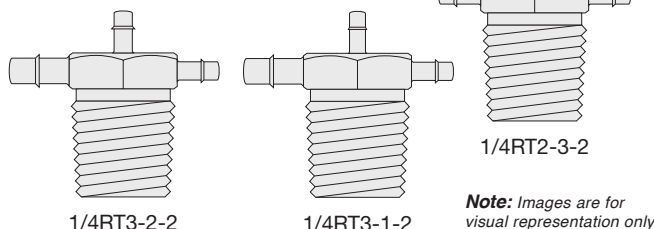
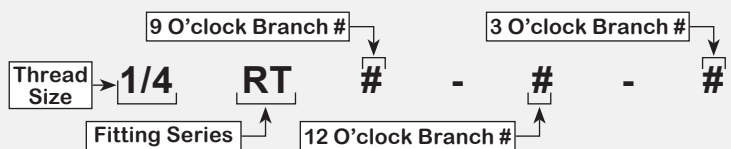
Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	29/32	9/16	7/16	7/16
.040 / 1mm	.040	29/32	9/16	7/16	7/16
3/64	.045	29/32	9/16	7/16	7/16
.050	.050	29/32	9/16	7/16	7/16
1/16	1	31/32	9/16	1/2	1/2
5/64 / 2mm	2	31/32	9/16	1/2	1/2
3/32	2 1/2	31/32	9/16	1/2	1/2
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	25/32	25/32
1/4	6	1 3/8	9/16	25/32	25/32
5/16 / 8mm	7	1 1/2	9/16	29/32	29/32
3/8	8	1 5/16	9/16	27/32	27/32
1/2	10	2 1/16	5/8	1 1/32	1 1/32

Material options listed on previous page!



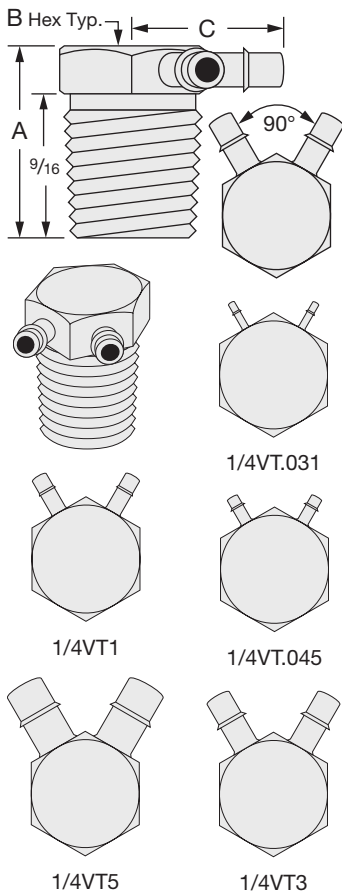
Part Numbers for 1/4 NPT Male Thread Reducing Tees x 3:



Note: Images are for visual representation only.

1/4 NPT Male Thread to Tube V-Tees

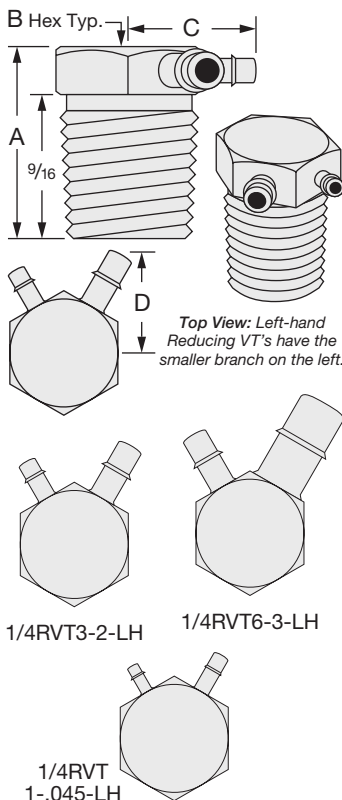
353



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	25/32
1/4	1/4VT6	1/4VT6-SS	1/4VT6-316SS	1/4VT6-NP	7/8	9/16	25/32
5/16 / 8mm	1/4VT7	1/4VT7-SS	1/4VT7-316SS	1/4VT7-NP	15/16	5/8	29/32
3/8	1/4VT8	1/4VT8-SS	1/4VT8-316SS	1/4VT8-NP	17/64	5/8	27/32
1/2	1/4VT10	1/4VT10-SS	1/4VT10-316SS	1/4VT10-NP	17/64	5/8	1 1/32

1/4 NPT Male Thread to Tube Left-Hand Reducing V-Tees

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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	25/32	25/32
1/4	6	7/8	9/16	25/32	25/32
5/16 / 8mm	7	15/16	5/8	29/32	29/32
3/8	8	17/64	5/8	27/32	27/32
1/2	10	17/64	5/8	1 1/32	1 1/32

Material options listed below!

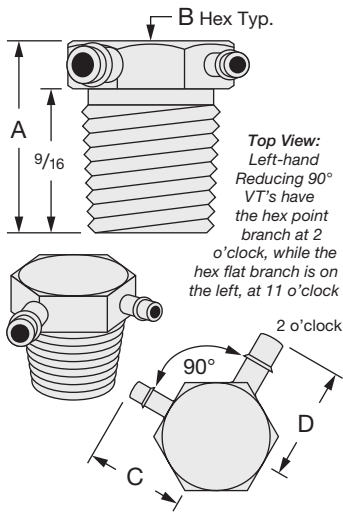
Part Numbers for 1/4 NPT Male Thread to Tube Left-Hand Reducing V-Tees:

Thread Size	1/4	RVT	#	-	#	-	LH	Left-Hand Indicator
		Fitting Series		Larger Branch #		Smaller 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 Male Thread to Tube Reducing Left-Hand 90° V-Tees

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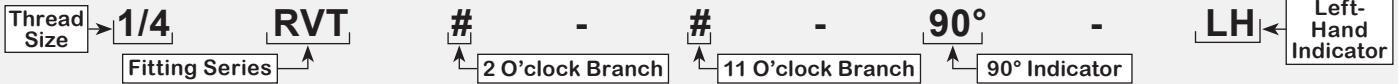


Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	3/4	9/16	7/16	
.040 / 1mm	.040	3/4	9/16	7/16	
3/64	.045	3/4	9/16	7/16	
.050	.050	3/4	9/16	7/16	
1/16	1	3/4	9/16	1/2	
5/64 / 2mm	2	3/4	9/16	1/2	
3/32	2 1/2	3/4	9/16	1/2	
1/8	3	3/4	9/16	19/32	
5/32 / 4mm	3 1/2	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	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	25/32	
1/4	6	7/8	9/16	25/32	
5/16 / 8mm	7	15/16	5/8	29/32	
3/8	8	1 17/64	5/8	27/32	
1/2	10	1 17/64	5/8	1 1/32	

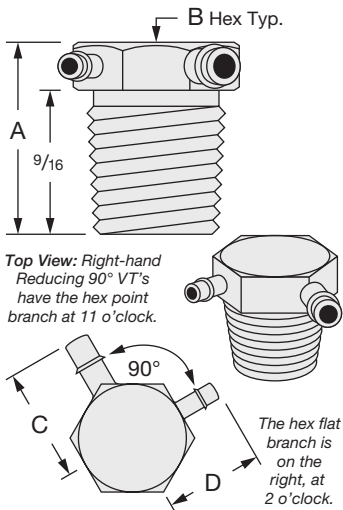
Note: For systems that do not allow the degree symbol (°) to be used, substitute with 'DEG' in the part number.

Part Numbers for 1/4 NPT Male Thread to Tube Reducing Left-Hand 90° V-Tees:



1/4 NPT Male Thread to Tube Reducing Right-Hand 90° V-Tees

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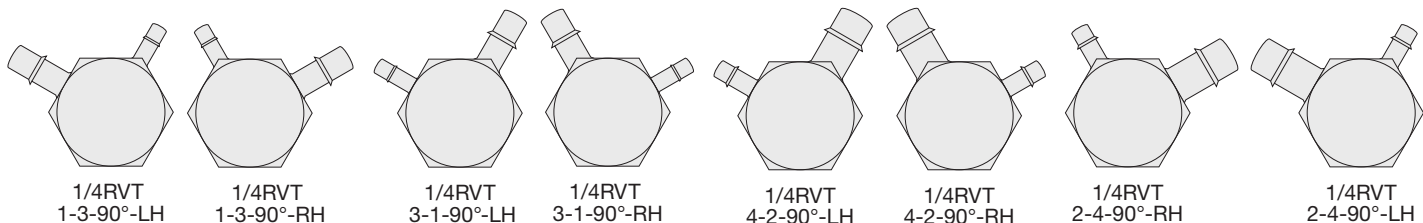
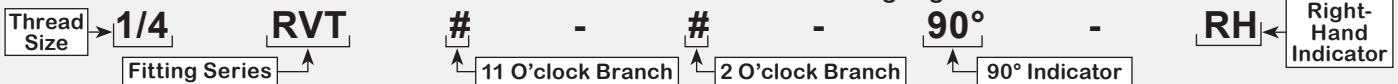


Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	3/4	9/16	7/16	
.040 / 1mm	.040	3/4	9/16	7/16	
3/64	.045	3/4	9/16	7/16	
.050	.050	3/4	9/16	7/16	
1/16	1	3/4	9/16	1/2	
5/64 / 2mm	2	3/4	9/16	1/2	
3/32	2 1/2	3/4	9/16	1/2	
1/8	3	3/4	9/16	19/32	
5/32 / 4mm	3 1/2	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	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	25/32	
1/4	6	7/8	9/16	25/32	
5/16 / 8mm	7	15/16	5/8	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.

Part Numbers for 1/4 NPT Male Thread to Tube Reducing Right-Hand 90° V-Tees:

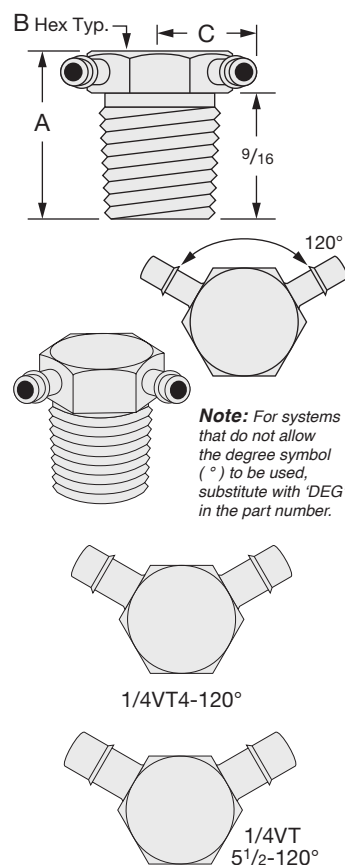


Unless otherwise specified, parts will be Brass. To order other materials, please add the following codes to the end of the part number:
-SS = Stainless Steel 303 **-316SS** = Stainless Steel 316 **-NP** = Electroless Nickel Plate

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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	25/32
1/4	1/4VT6-120°	1/4VT6-120°-SS	1/4VT6-120°-316SS	1/4VT6-120°-NP	7/8	9/16	25/32
5/16 / 8mm	1/4VT7-120°	1/4VT7-120°-SS	1/4VT7-120°-316SS	1/4VT7-120°-NP	15/16	5/8	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



N

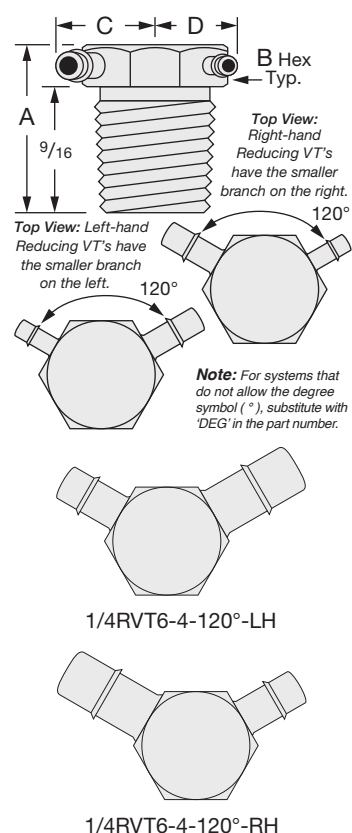
360

1/4 NPT Male Thread to Tube Reducing Left/Right-Hand 120° V-Tees

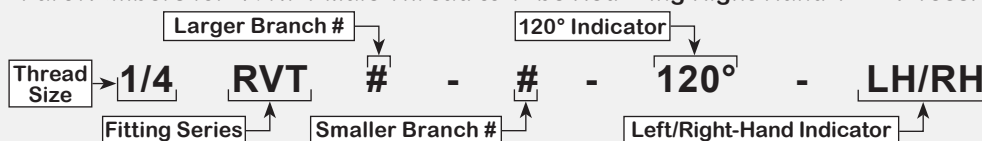
Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	3/4	9/16	7/16	7/16
.040 / 1mm	.040	3/4	9/16	7/16	7/16
3/64	.045	3/4	9/16	7/16	7/16
.050	.050	3/4	9/16	7/16	7/16
1/16	1	3/4	9/16	1/2	1/2
5/64 / 2mm	2	3/4	9/16	1/2	1/2
3/32	2 1/2	3/4	9/16	1/2	1/2
1/8	3	3/4	9/16	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	25/32	25/32
1/4	6	7/8	9/16	25/32	25/32
5/16 / 8mm	7	15/16	5/8	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 with 'DEG' in the part number.



Part Numbers for 1/4 NPT Male Thread to Tube Reducing Right-Hand 120° V-Tees:

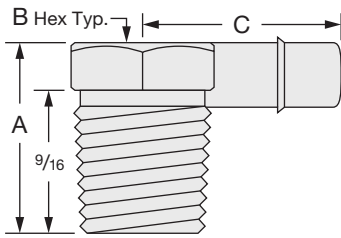


Unless otherwise specified, parts will be Brass. For other materials, add the following codes to the part number:

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

1/4 NPT Male Thread to Tube Low Profile Elbow

361

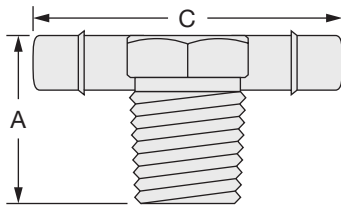


Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/4	1/4LB6-LP	1/4LB6-LP-SS	1/4LB6-LP-316SS	1/4LB6-LP-NP	3/16	7/16	9/16

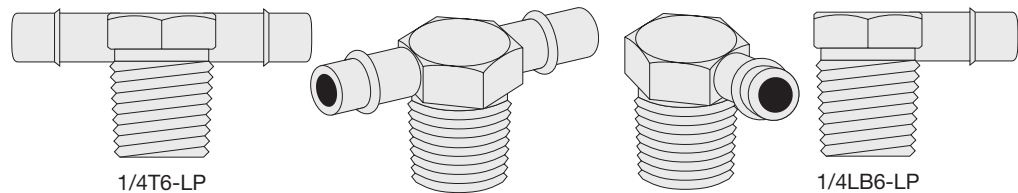
Low Profile Fittings: #6 Branch with Smaller Hex Height! (3/16 vs. 5/16 Standard)

1/4 NPT Male Thread to Tube Low Profile Tee

362



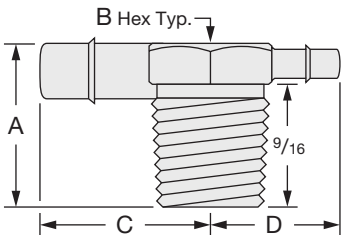
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/4	1/4T6-LP	1/4T6-LP-SS	1/4T6-LP-316SS	1/4T6-LP-NP	3/4	7/16	1 3/32



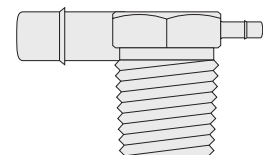
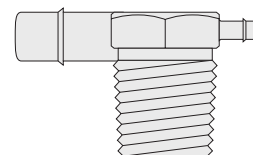
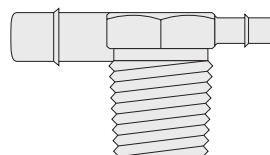
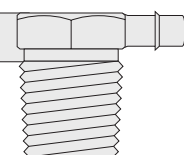
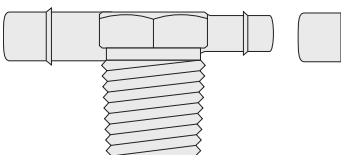
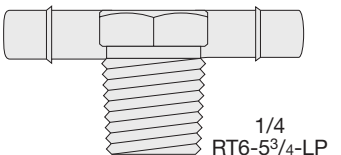
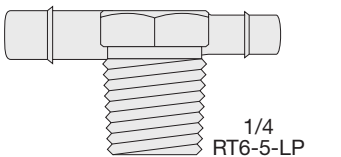
1/4 NPT Thread Low Profile 90° Tees also available! Consult factory for details!

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	25/32	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	25/32	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	25/32	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	25/32	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	25/32	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	25/32	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	25/32	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	25/32	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	25/32	25/32



1/4RT6-4-LP

1/4RT6-3 1/2-LP

1/4RT6-3-LP

1/4RT6-2-LP

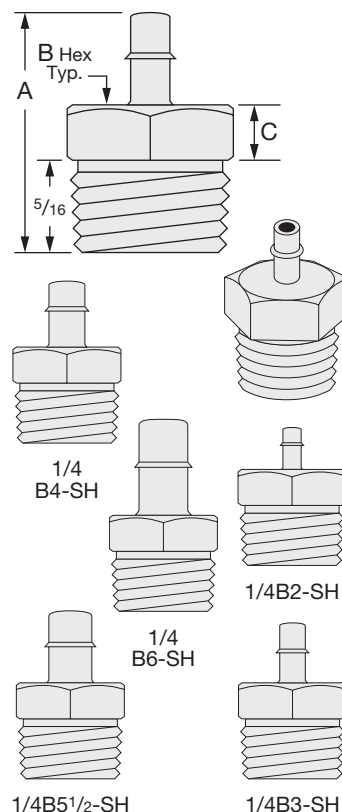
1/4RT6-1-LP

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

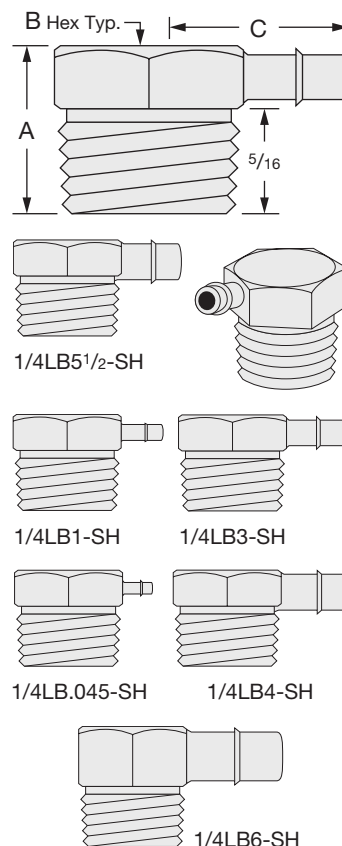
Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/4B.031-SH	1/4B.031-SH-SS	1/4B.031-SH-316SS	N/A	1/4B.031-SH-NP	2 1/32	9/16	3/16
.040 / 1mm	1/4B.040-SH	1/4B.040-SH-SS	1/4B.040-SH-316SS	N/A	1/4B.040-SH-NP	2 1/32	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	2 1/32	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	2 1/32	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	2 3/32	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	2 3/32	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	2 3/32	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	1 3/16	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	1 3/16	9/16	3/16
.170	1/4B4-SH	1/4B4-SH-SS	1/4B4-SH-316SS	1/4B4-SH-AL	1/4B4-SH-NP	2 7/32	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



365

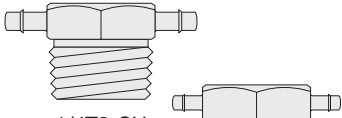
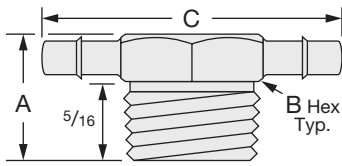
1/4 NPT Short Male Thread to Tube Elbows

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-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	2 1/32
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	2 1/32
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	2 5/32
1/4	1/4LB6-SH	1/4LB6-SH-SS	1/4LB6-SH-316SS	1/4LB6-SH-NP	7/8	7/16	2 5/32

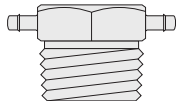


1/4 NPT Short Male Thread to Tube Short Tees

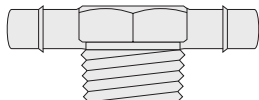
366



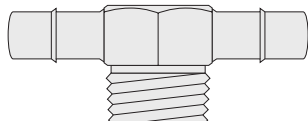
1/4T2-SH



1/4T.050-SH



1/4T5-SH

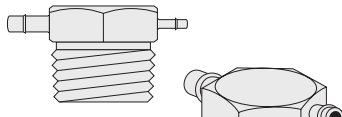
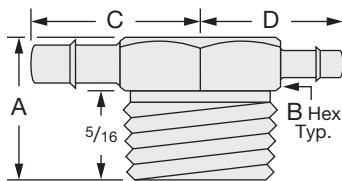


1/4T5^{3/4}-SH

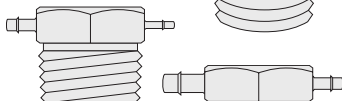
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/4T.031-SH	1/4T.031-SH-SS	1/4T.031-SH-316SS	1/4T.031-SH-NP	1/2	7/16	7/8
.040 / 1mm	1/4T.040-SH	1/4T.040-SH-SS	1/4T.040-SH-316SS	1/4T.040-SH-NP	1/2	7/16	7/8
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 Short Male Thread to Tube Reducing Tees

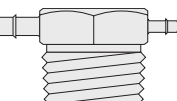
367



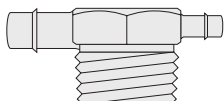
1/4RT 1-.040-SH



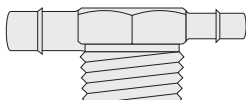
1/4RT.045-.031-SH



1/4RT 2-.045-SH

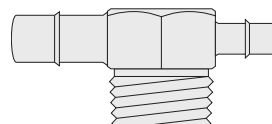


1/4RT4-2 1/2-SH

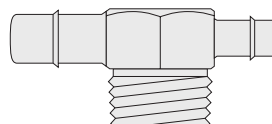


1/4RT5-3-SH

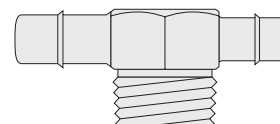
Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	3/16	7/16	3/8	3/8
.040 / 1mm	.040	3/16	7/16	3/8	3/8
3/64	.045	3/16	7/16	3/8	3/8
.050	.050	3/16	7/16	3/8	3/8
1/16	1	3/16	7/16	7/16	7/16
5/64 / 2mm	2	3/16	7/16	7/16	7/16
3/32	2 1/2	3/16	7/16	7/16	7/16



1/4RT5^{3/4}-3 1/2-SH



1/4RT6-4-SH



1/4RT6-5 1/2-SH

Other branch options available! Consult factory!

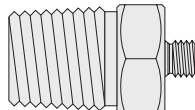
Part Numbers for 1/4 NPT Short Male Thread to Tube Reducing Tees:					
Thread Size	1/4	RT	#	-	#
Fitting Series			Larger Branch #		Smaller Branch #
					SH
					Short Thread Indicator

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

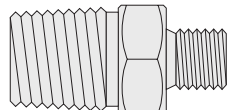
368

1/4 NPT Male Thread Hex Nipple & Reducing Hex Nipples

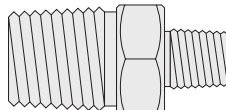
9 O'clock Thread Size	3 O'clock Thread Size	Part Numbers					Dimensions (Reference)	
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.
1/4 NPT	1/4 NPT	1/4HN	1/4HN-SS	1/4HN-316SS	1/4HN-AL	1/4HN-NP	1 3/8	9/16
1/4 NPT	1/8 NPT	1/4x1/8-RHN	1/4x1/8-RHN-SS	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	1/4xM10x1.25- RHN	1/4xM10x1.25- RHN-SS	1/4xM10x1.25- RHN-316SS	1/4xM10x1.25- RHN-AL	1/4xM10x1.25- RHN-NP		



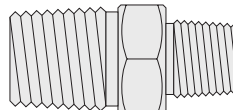
1/4x10-RHN



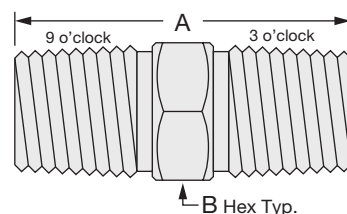
1/4xM8x1-RHN



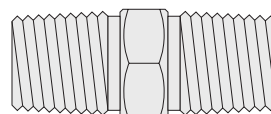
1/4x1/16-RHN



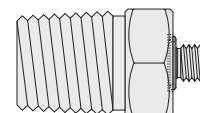
1/4x1/8-RHN



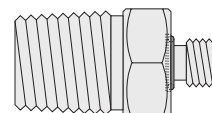
B Hex Typ.



1/4HN

O-ring options available on
straight (reducing) threads!


1/4x10-RHN-O



1/4x4-28-RHN-O

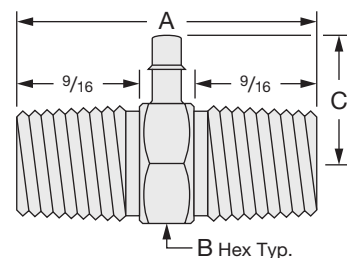
O-ring materials on page 65!

N

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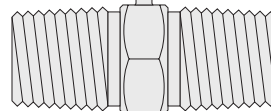
1/4 NPT Male Thread Nipples with Tube Branches: Tees

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	2 1/32
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	2 1/32
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	25/32
1/4	1/4HN-T6	1/4HN-T6-SS	1/4HN-T6-316SS	1/4HN-T6-NP	1 3/8	9/16	25/32
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		

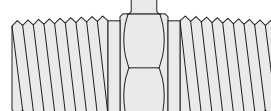


B Hex Typ.

1/4HN-T1



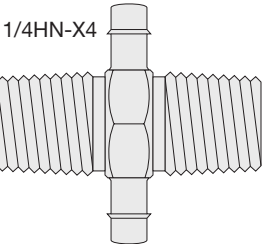
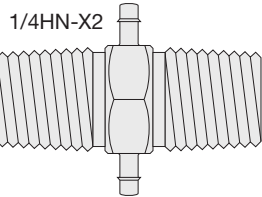
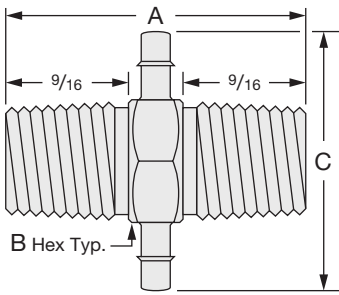
1/4HN-T3



1/4HN-T6

1/4 NPT Male Thread Nipples with Tube Branches: Crosses

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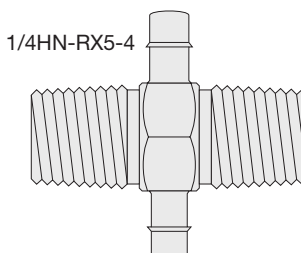
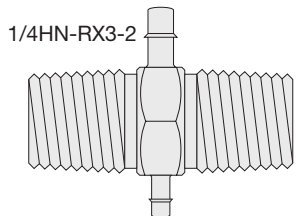
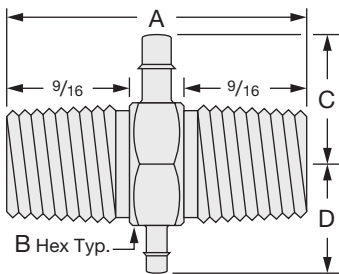


Note: Images are for visual representation only;
not intended for dimensional measurements.
Dimensions may vary at time of manufacturing.

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 1/16
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

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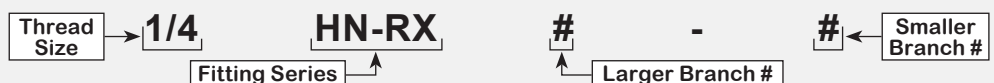


Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	1 3/8	9/16	Consult Factory	Consult Factory
.040 / 1mm	.040	1 3/8	9/16	Consult Factory	Consult Factory
3/64	.045	1 3/8	9/16	Consult Factory	Consult Factory
.050	.050	1 3/8	9/16	Consult Factory	Consult Factory
1/16	1	1 3/8	9/16	Consult Factory	Consult Factory
5/64 / 2mm	2	1 3/8	9/16	Consult Factory	Consult Factory
3/32	2 1/2	1 3/8	9/16	Consult Factory	Consult Factory
1/8	3	1 3/8	9/16	Consult Factory	Consult Factory
5/32 / 4mm	3 1/2	1 3/8	9/16	Consult Factory	Consult Factory

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	Consult Factory	Consult Factory
7/32	5 1/2	1 3/8	9/16	Consult Factory	Consult Factory
6mm	5 3/4	1 3/8	9/16	Consult Factory	Consult Factory
1/4	6	1 3/8	9/16	Consult Factory	Consult Factory
5/16 / 8mm	7	Consult Factory		Consult Factory	Consult Factory
3/8	8	Consult Factory		Consult Factory	Consult Factory
1/2	10	Consult Factory		Consult Factory	Consult Factory

Orifices options are available on page 445!

Part Numbers for 1/4 NPT Nipples with Reducing Cross Branches:

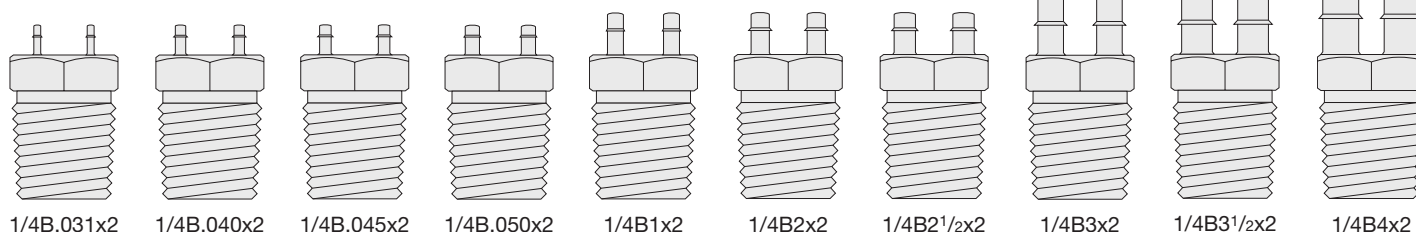
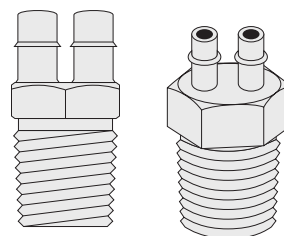
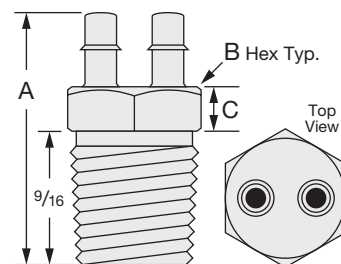


Unless otherwise specified, parts will be Brass. For other materials, add the following codes to the part number:
 -SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

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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

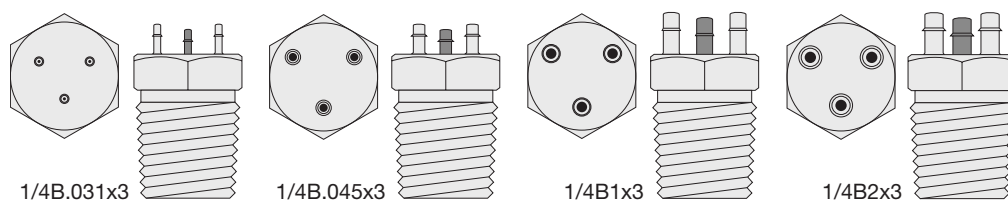
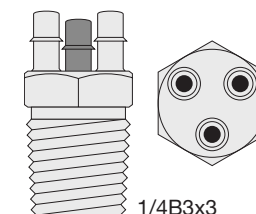
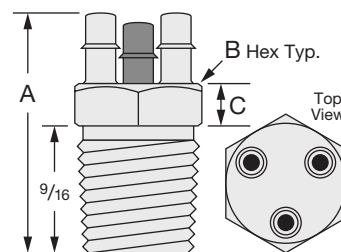


N

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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



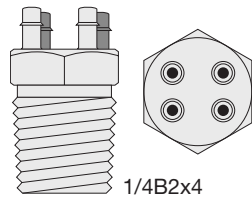
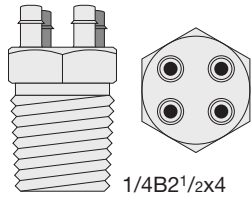
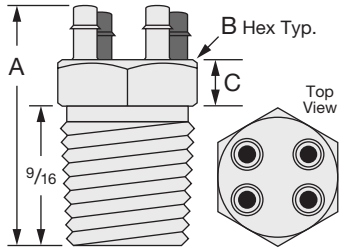
1/4B2 1/2x3

Use the template on page 203 to customize straight manifolds with alternate branch locations!

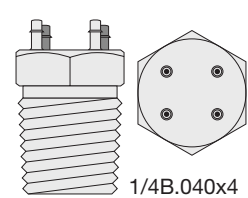
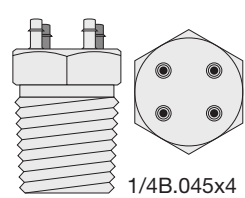
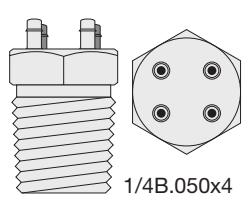
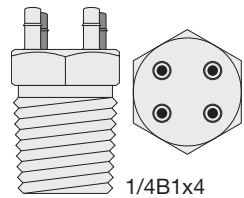
Note: Images are for visual representation only; not intended for dimensional measurements.

1/4 NPT Male Thread Straight Manifolds with 4 Branches

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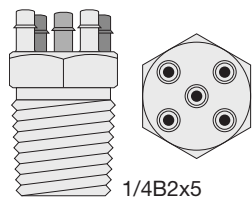
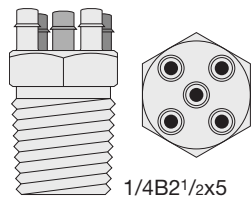
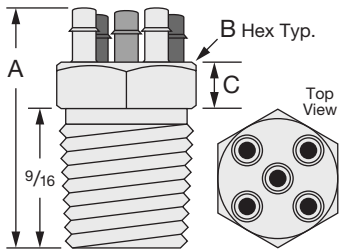


Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/4B.031x4	1/4B.031x4-SS	1/4B.031x4-316SS	1/4B.031x4-NP	29/32	9/16	3/16
.040 / 1mm	1/4B.040x4	1/4B.040x4-SS	1/4B.040x4-316SS	1/4B.040x4-NP	29/32	9/16	3/16
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 1/2 x 4	1/4B2 1/2 x 4-SS	1/4B2 1/2 x 4-316SS	1/4B2 1/2 x 4-NP	31/32	9/16	3/16

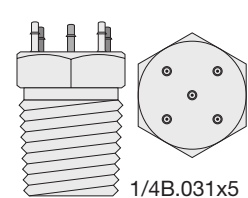
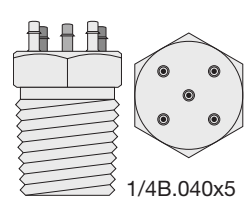
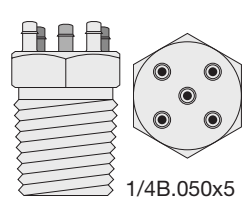
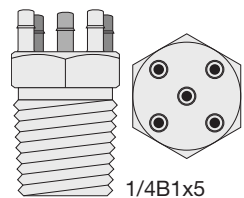


1/4 NPT Male Thread Straight Manifolds with 5 Branches

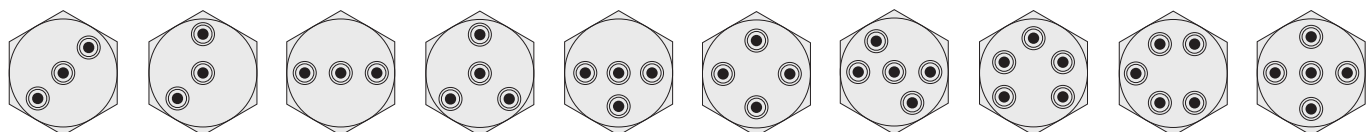
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Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/4B.031x5	1/4B.031x5-SS	1/4B.031x5-316SS	1/4B.031x5-NP	29/32	9/16	3/16
.040 / 1mm	1/4B.040x5	1/4B.040x5-SS	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 1/2 x 5	1/4B2 1/2 x 5-SS	1/4B2 1/2 x 5-316SS	1/4B2 1/2 x 5-NP	31/32	9/16	3/16



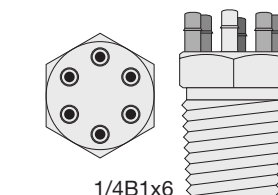
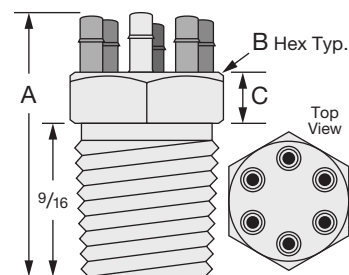
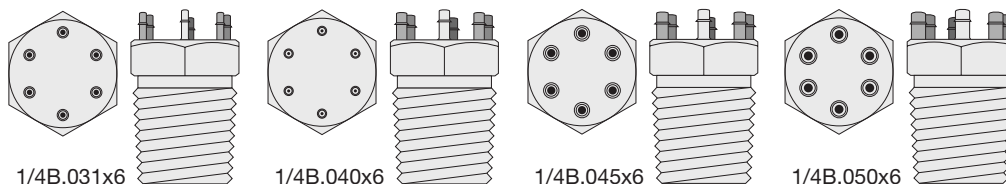
Use the template on page 203 to customize 1/4 NPT Straight Manifolds with alternate branch locations!



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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



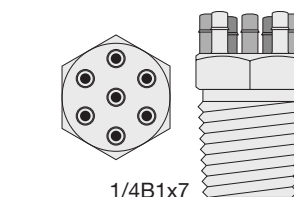
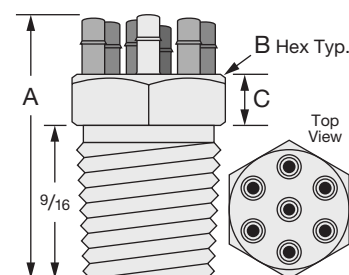
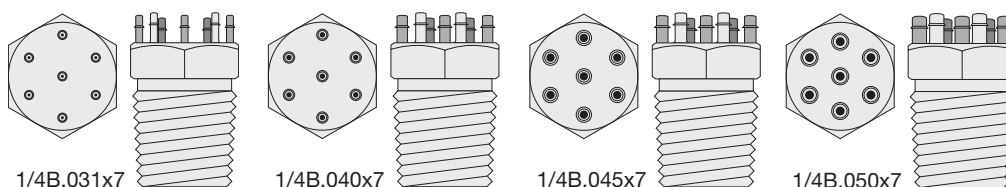
Note: Dimensions may vary at time of manufacturing.

N

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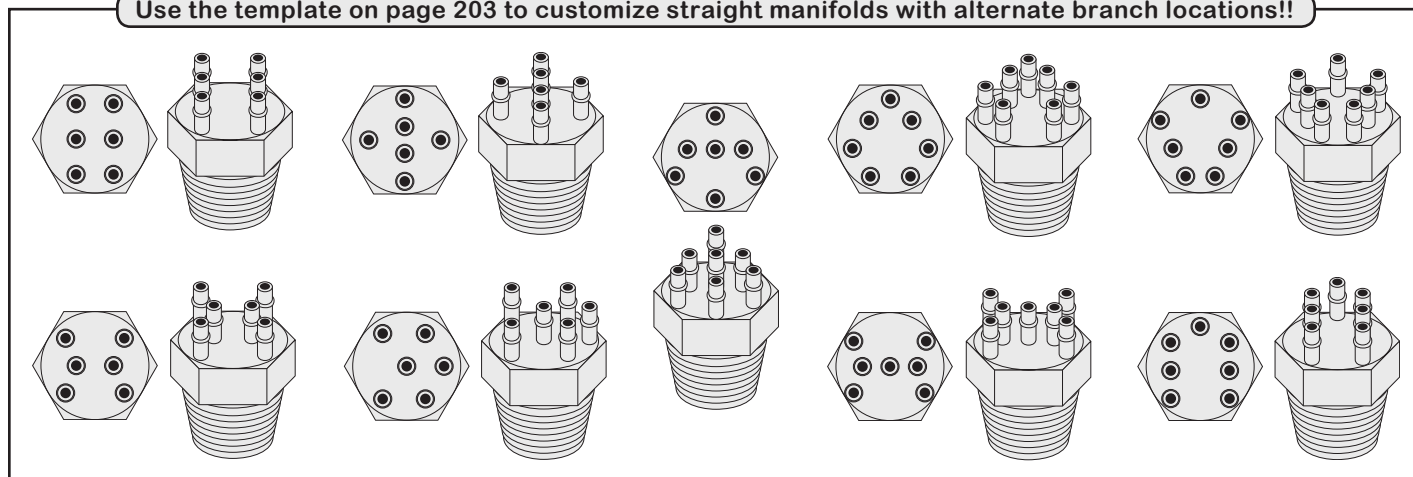
1/4 NPT Male Thread Straight Manifolds with 7 Branches

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



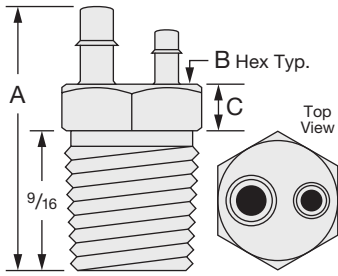
Note: Images are for visual representation only; not intended for dimensional measurements.

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

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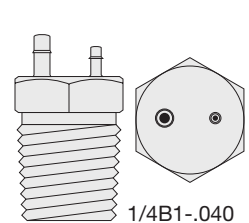
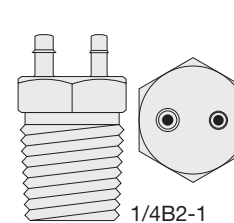
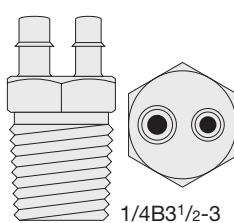
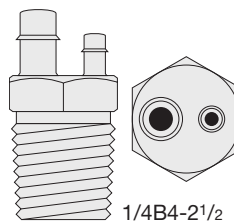
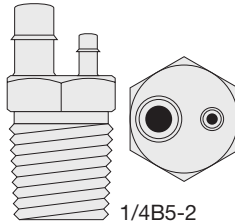
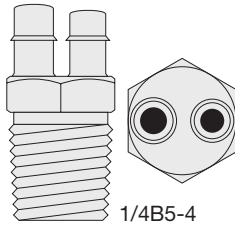
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/32	.031	29/32	9/16	3/16
.040 / 1mm	.040	29/32	9/16	3/16
3/64	.045	29/32	9/16	3/16
.050	.050	29/32	9/16	3/16
1/16	1	31/32	9/16	3/16
5/64 / 2mm	2	31/32	9/16	3/16

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!

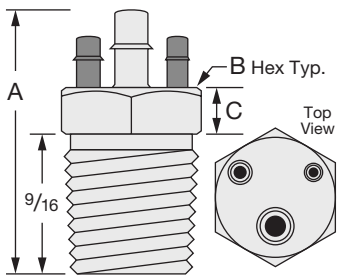
Part Numbers for 1/4 NPT Male Thread Reducing Manifolds with 2 Branches:

Thread Size → **1/4** **B** # - # Smaller Branch #
 Fitting Series Larger Branch #



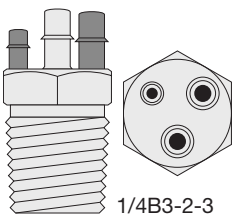
1/4 NPT Male Thread Straight Reducing Manifolds with 3 Branches

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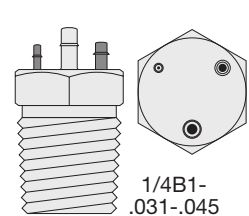
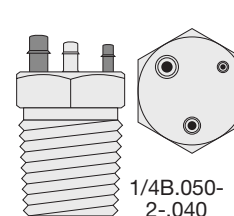
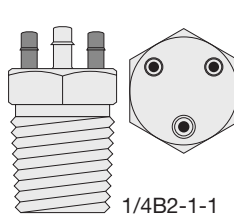
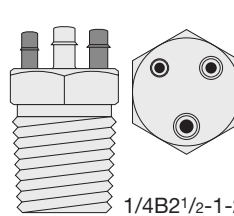


Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/32	.031	29/32	9/16	3/16
.040 / 1mm	.040	29/32	9/16	3/16
3/64	.045	29/32	9/16	3/16
.050	.050	29/32	9/16	3/16

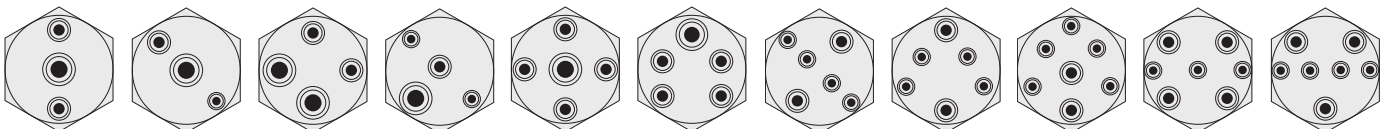
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/16	1	31/32	9/16	3/16
5/64 / 2mm	2	31/32	9/16	3/16
3/32	2 1/2	31/32	9/16	3/16
1/8	3	1 1/16	9/16	3/16



Use the template on page 203 to indicate branch sizes & location!



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

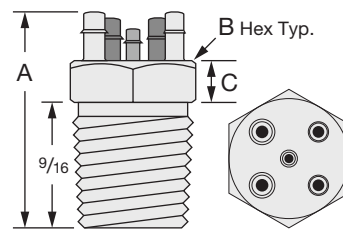
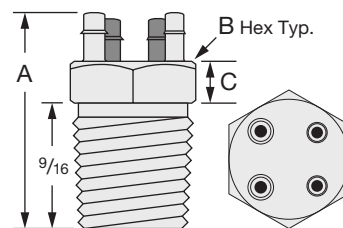
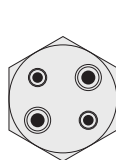
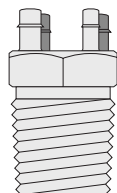
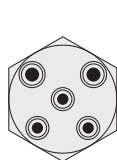
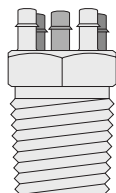
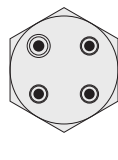
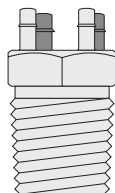
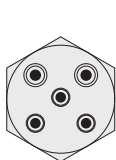
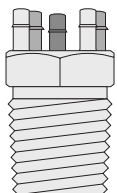
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1/4 NPT Male Thread Straight Reducing Manifolds with 4 or 5 Branches

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!

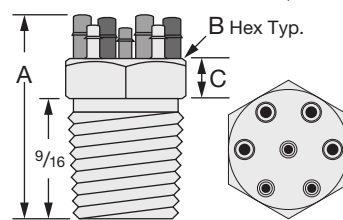
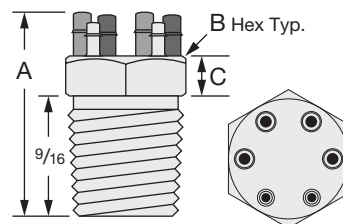
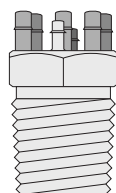
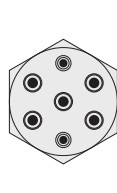
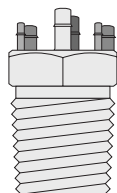
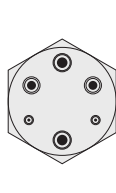
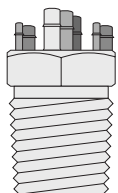
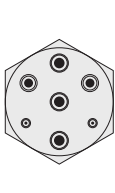
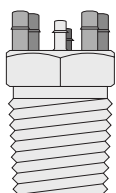
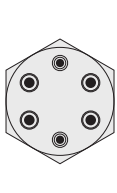
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1/4 NPT Male Thread Straight Reducing Manifolds with 6 or 7 Branches

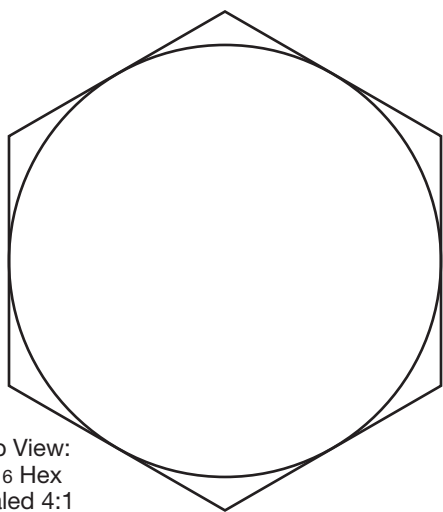
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/32	.031	29/32	9/16	3/16
.040 / 1mm	.040	29/32	9/16	3/16
3/64	.045	29/32	9/16	3/16

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) = _____

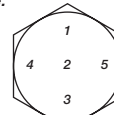
4th Branch (4) = _____

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

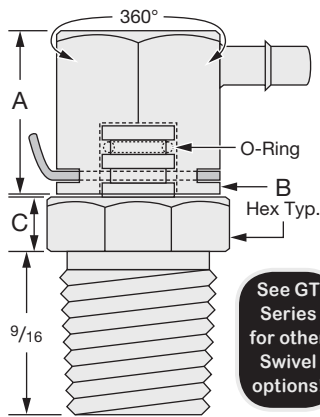
7th Branch(7)= n/a

Part number: 1/4B2-2-2-1-1
Two #2 Branches (1st, 2nd, 3rd)
Two #1 Branches (4th, 5th)

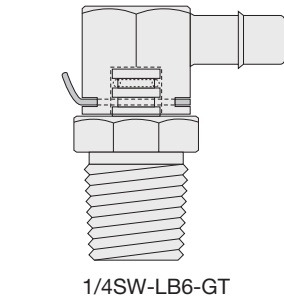
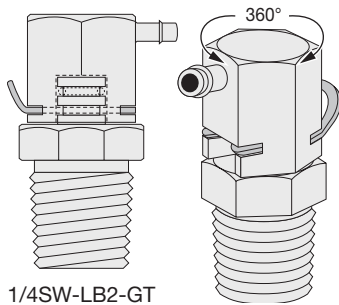
*Part numbers will
vary depending on
branch configuration

1/4 NPT Male Thread to Tube Swivel Elbows with Clip Groove

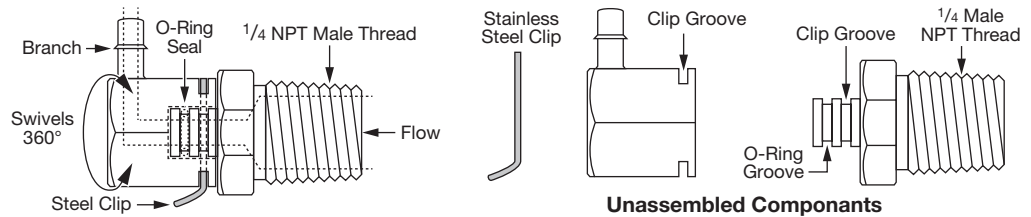
382



See GT Series for other Swivel options!

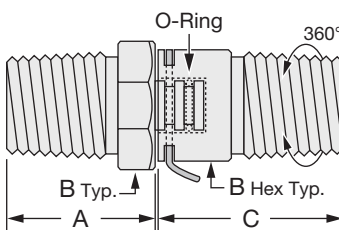


Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/4SW-LB.031-GT	1/4SW-LB.031-GT-SS	1/4SW-LB.031-GT-316SS	1/4SW-LB.031-GT-NP	Consult Factory	Consult Factory	Consult Factory
.040 / 1mm	1/4SW-LB.040-GT	1/4SW-LB.040-GT-SS	1/4SW-LB.040-GT-316SS	1/4SW-LB.040-GT-NP	Consult Factory	Consult Factory	Consult Factory
3/64	1/4SW-LB.045-GT	1/4SW-LB.045-GT-SS	1/4SW-LB.045-GT-316SS	1/4SW-LB.045-GT-NP	Consult Factory	Consult Factory	Consult Factory
.050	1/4SW-LB.050-GT	1/4SW-LB.050-GT-SS	1/4SW-LB.050-GT-316SS	1/4SW-LB.050-GT-NP	Consult Factory	Consult Factory	Consult Factory
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
5/64 / 2mm	1/4SW-LB2-GT	1/4SW-LB2-GT-SS	1/4SW-LB2-GT-316SS	1/4SW-LB2-GT-NP	Consult Factory	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory	Consult Factory
1/8	1/4SW-LB3-GT	1/4SW-LB3-GT-SS	1/4SW-LB3-GT-316SS	1/4SW-LB3-GT-NP	Consult Factory	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory	Consult Factory
.170	1/4SW-LB4-GT	1/4SW-LB4-GT-SS	1/4SW-LB4-GT-316SS	1/4SW-LB4-GT-NP	Consult Factory	Consult Factory	Consult Factory
3/16	1/4SW-LB5-GT	1/4SW-LB5-GT-SS	1/4SW-LB5-GT-316SS	1/4SW-LB5-GT-NP	Consult Factory	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory	Consult Factory
1/4	1/4SW-LB6-GT	1/4SW-LB6-GT-SS	1/4SW-LB6-GT-316SS	1/4SW-LB6-GT-NP	Consult Factory	Consult Factory	Consult Factory
5/16 / 8mm	1/4SW-LB7-GT	1/4SW-LB7-GT-SS	1/4SW-LB7-GT-316SS	1/4SW-LB7-GT-NP	Consult Factory	Consult Factory	Consult Factory
3/8	1/4SW-LB8-GT	1/4SW-LB8-GT-SS	1/4SW-LB8-GT-316SS	1/4SW-LB8-GT-NP	Consult Factory	Consult Factory	Consult Factory
1/2	1/4SW-LB10-GT	1/4SW-LB10-GT-SS	1/4SW-LB10-GT-316SS	1/4SW-LB10-GT-NP	Consult Factory	Consult Factory	Consult Factory

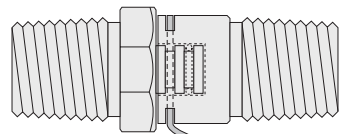


1/4 NPT Male Thread Swivel Nipples and Reducing Swivel Nipples

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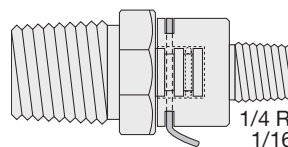


1/4SWN-GT

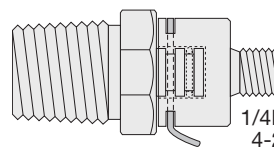


1/4RSWN-1/8-GT

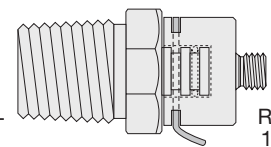
9 O'clock Thread Size	3 O'clock Thread Size	Part Numbers					Dimensions (Reference)		
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/4	1/4	1/4SWN-GT	1/4SWN-GT-SS	1/4SWN-GT-316SS	1/4SWN-GT-AL	1/4SWN-GT-NP	Consult Factory	Consult Factory	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	Consult Factory	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory	Consult Factory



1/4 RSWN-1/16-GT



1/4 RSWN-4-28-GT

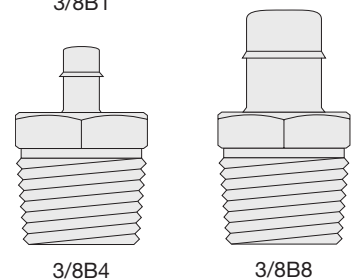
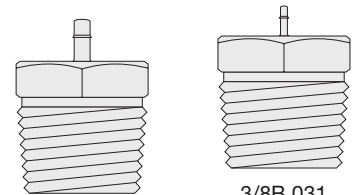
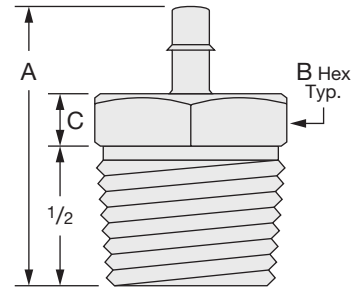


1/4 RSWN-10-GT

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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	1 1/16	3/16
.040 / 1mm	3/8B.040	3/8B.040-SS	3/8B.040-316SS	N/A	3/8B.040-NP	27/32	1 1/16	3/16
3/64	3/8B.045	3/8B.045-SS	3/8B.045-316SS	N/A	3/8B.045-NP	27/32	1 1/16	3/16
.050	3/8B.050	3/8B.050-SS	3/8B.050-316SS	N/A	3/8B.050-NP	27/32	1 1/16	3/16
1/16	3/8B1	3/8B1-SS	3/8B1-316SS	3/8B1-AL	3/8B1-NP	29/32	1 1/16	3/16
5/64 / 2mm	3/8B2	3/8B2-SS	3/8B2-316SS	3/8B2-AL	3/8B2-NP	29/32	1 1/16	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	1 1/16	3/16
1/8	3/8B3	3/8B3-SS	3/8B3-316SS	3/8B3-AL	3/8B3-NP	1	1 1/16	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	1 1/16	3/16
.170	3/8B4	3/8B4-SS	3/8B4-316SS	3/8B4-AL	3/8B4-NP	1 1/32	1 1/16	3/16
3/16	3/8B5	3/8B5-SS	3/8B5-316SS	3/8B5-AL	3/8B5-NP	1 1/16	1 1/16	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	1 1/16	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	1 1/16	3/16
1/4	3/8B6	3/8B6-SS	3/8B6-316SS	3/8B6-AL	3/8B6-NP	1 3/16	1 1/16	3/16
5/16 / 8mm	3/8B7	3/8B7-SS	3/8B7-316SS	3/8B7-AL	3/8B7-NP	1 5/16	1 1/16	3/16
3/8	3/8B8	3/8B8-SS	3/8B8-316SS	3/8B8-AL	3/8B8-NP	1 7/32	1 1/16	3/16
1/2	3/8B10	3/8B10-SS	3/8B10-316SS	3/8B10-AL	3/8B10-NP	1 7/16	1 1/16	3/16

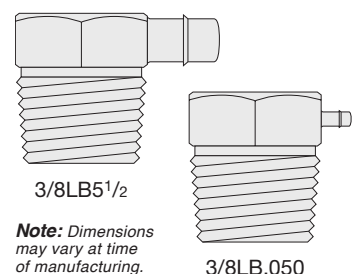
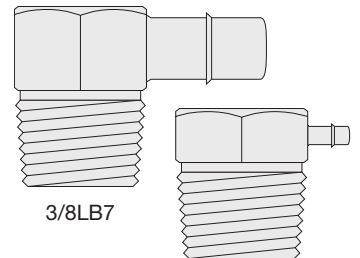
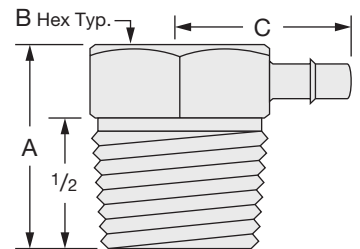


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3/8 NPT Male Thread to Tube Elbows

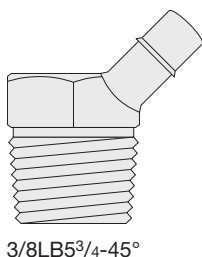
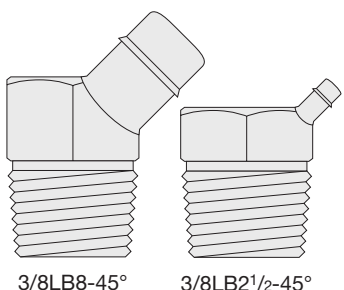
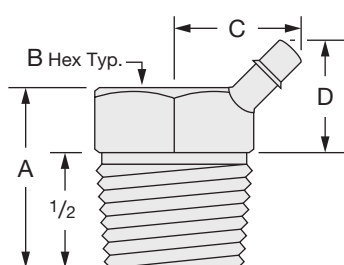
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	3/8LB.031	3/8LB.031-SS	3/8LB.031-316SS	3/8LB.031-NP	25/32	1 1/16	17/32
.040 / 1mm	3/8LB.040	3/8LB.040-SS	3/8LB.040-316SS	3/8LB.040-NP	25/32	1 1/16	17/32
3/64	3/8LB.045	3/8LB.045-SS	3/8LB.045-316SS	3/8LB.045-NP	25/32	1 1/16	17/32
.050	3/8LB.050	3/8LB.050-SS	3/8LB.050-316SS	3/8LB.050-NP	25/32	1 1/16	17/32
1/16	3/8LB1	3/8LB1-SS	3/8LB1-316SS	3/8LB1-NP	25/32	1 1/16	19/32
5/64 / 2mm	3/8LB2	3/8LB2-SS	3/8LB2-316SS	3/8LB2-NP	25/32	1 1/16	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	1 1/16	19/32
1/8	3/8LB3	3/8LB3-SS	3/8LB3-316SS	3/8LB3-NP	25/32	1 1/16	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	1 1/16	21/32
.170	3/8LB4	3/8LB4-SS	3/8LB4-316SS	3/8LB4-NP	25/32	1 1/16	1 1/16
3/16	3/8LB5	3/8LB5-SS	3/8LB5-316SS	3/8LB5-NP	25/32	1 1/16	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	1 1/16	23/32
6mm	3/8LB5 3/4	3/8LB5 3/4-SS	3/8LB5 3/4-316SS	3/8LB5 3/4-NP	15/16	1 1/16	27/32
1/4	3/8LB6	3/8LB6-SS	3/8LB6-316SS	3/8LB6-NP	15/16	1 1/16	27/32
5/16 / 8mm	3/8LB7	3/8LB7-SS	3/8LB7-316SS	3/8LB7-NP	15/16	1 1/16	29/32
3/8	3/8LB8	3/8LB8-SS	3/8LB8-316SS	3/8LB8-NP	15/16	1 1/16	7/8
1/2	3/8LB10	3/8LB10-SS	3/8LB10-316SS	3/8LB10-NP	1 1/8	1 1/16	1 1/32



Note: Dimensions may vary at time of manufacturing.

3/8 NPT Male Thread to Tube 45° Elbows

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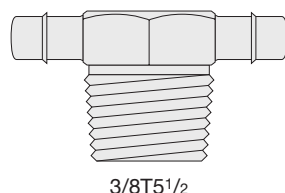
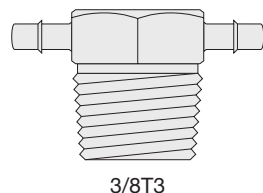
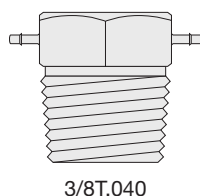
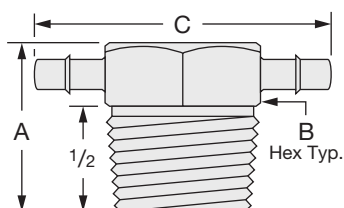


Note:
For systems that do not allow the degree symbol (°) to be used, substitute with 'DEG' in the part number.

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

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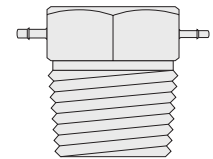
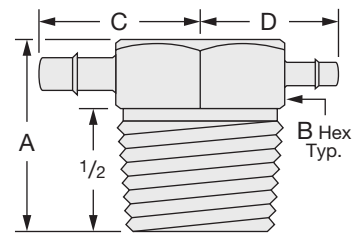


Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	3/8T.031	3/8T.031-SS	3/8T.031-316SS	3/8T.031-NP	25/32	11/16	1 1/16
.040 / 1mm	3/8T.040	3/8T.040-SS	3/8T.040-316SS	3/8T.040-NP	25/32	11/16	1 1/16
3/64	3/8T.045	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

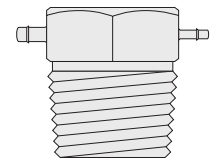
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3/8 NPT Male Thread to Tube Reducing Tees

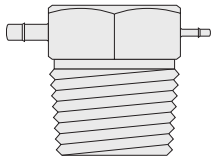
Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
.040 / 1mm	1/32	3/8RT.040-.031	3/8RT.040-.031-SS	3/8RT.040-.031-316SS	3/8RT.040-.031-NP	25/32	11/16	17/32	17/32
3/64	1/32	3/8RT.045-.031	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



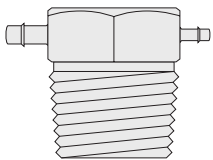
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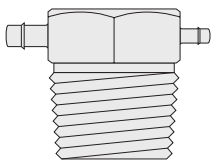
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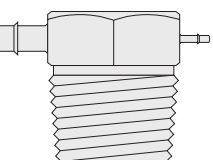
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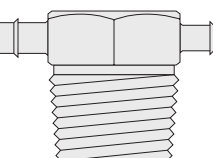
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3/8RT2 1/2-.050



3/8RT3-.031

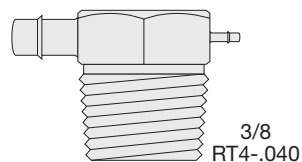
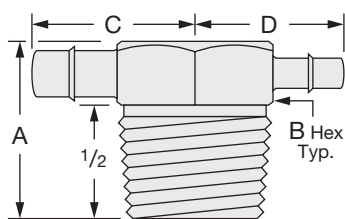
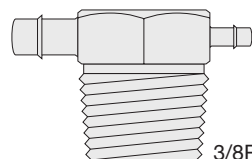


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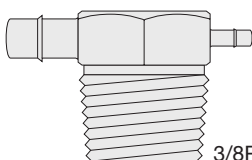
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3/8 NPT Male Thread to Tube Reducing Tees (continued)

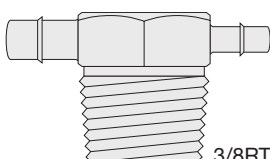
389

3/8
RT4-.040

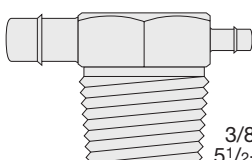
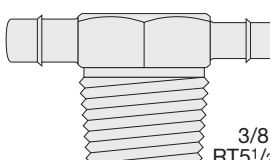
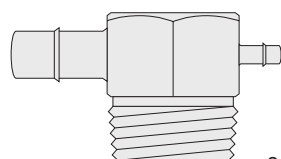
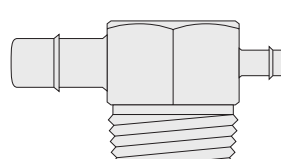
3/8RT4-2



3/8RT5-1



3/8RT5-3

3/8RT
5 1/2-2 1/23/8
RT5 1/2-43/8
RT5 3/4-2

3/8RT6-3

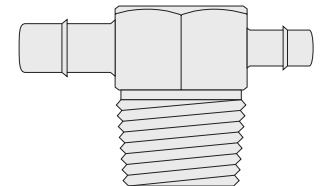
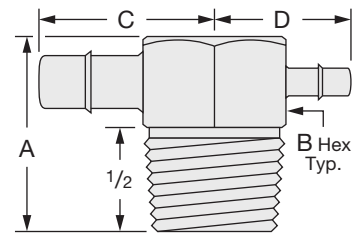
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Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
.170	1/32	3/8RT4-.031	3/8RT4-.031-SS	3/8RT4-.031-316SS	3/8RT4-.031-NP	25/32	11/16	11/16	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

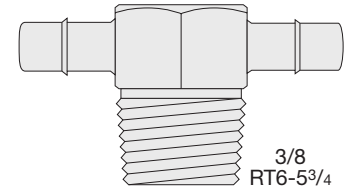
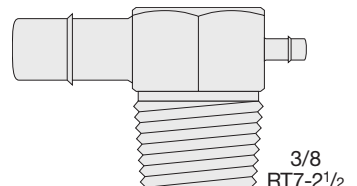
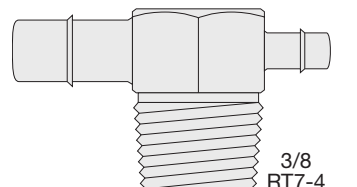
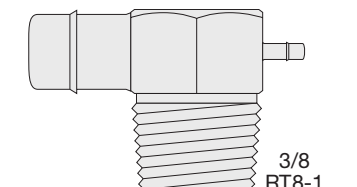
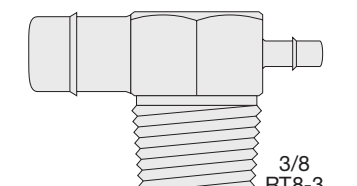
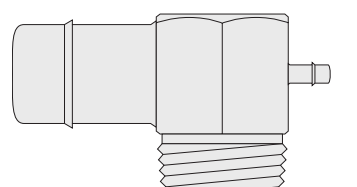
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3/8 NPT Male Thread to Tube Reducing Tees (continued)

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	1 1/16	27/32	2 1/32
1/4	.170	3/8RT6-4	3/8RT6-4-SS	3/8RT6-4-316SS	3/8RT6-4-NP	15/16	1 1/16	27/32	1 1/16
1/4	3/16	3/8RT6-5	3/8RT6-5-SS	3/8RT6-5-316SS	3/8RT6-5-NP	15/16	1 1/16	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	1 1/16	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	1 1/16	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	1 1/16	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	1 1/16	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	1 1/16	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	1 1/16	29/32	2 1/32
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	1 1/16	29/32	2 1/32
5/16 / 8mm	.170	3/8RT7-4	3/8RT7-4-SS	3/8RT7-4-316SS	3/8RT7-4-NP	15/16	1 1/16	29/32	1 1/16
5/16 / 8mm	3/16	3/8RT7-5	3/8RT7-5-SS	3/8RT7-5-316SS	3/8RT7-5-NP	15/16	1 1/16	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	1 1/16	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	1 1/16	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	1 1/16	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	1 1/16	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	1 1/16	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	1 1/16	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	1 1/16	7/8	2 1/32
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	1 1/16	7/8	2 1/32
3/8	.170	3/8RT8-4	3/8RT8-4-SS	3/8RT8-4-316SS	3/8RT8-4-NP	15/16	1 1/16	7/8	1 1/16
3/8	3/16	3/8RT8-5	3/8RT8-5-SS	3/8RT8-5-316SS	3/8RT8-5-NP	15/16	1 1/16	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	1 1/16	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	1 1/16	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	1 1/16	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	1 1/16	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	1 1/16	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	1 1/16	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	1 1/16	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	1 1/16	1 1/32	2 1/32
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	1 1/16	1 1/32	2 1/32
1/2	.170	3/8RT10-4	3/8RT10-4-SS	3/8RT10-4-316SS	3/8RT10-4-NP	1 1/8	1 1/16	1 1/32	1 1/16
1/2	3/16	3/8RT10-5	3/8RT10-5-SS	3/8RT10-5-316SS	3/8RT10-5-NP	1 1/8	1 1/16	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	1 1/16	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	1 1/16	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	1 1/16	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	1 1/16	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	1 1/16	1 1/32	7/8



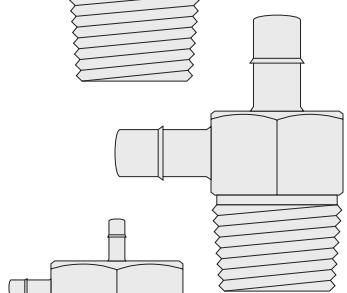
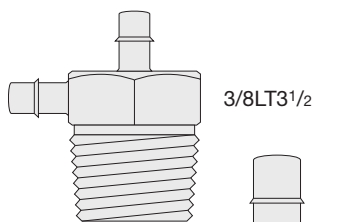
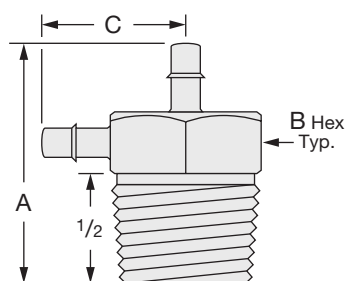
3/8RT6-4


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.

3/8 NPT Male Thread to Tube L-Tees

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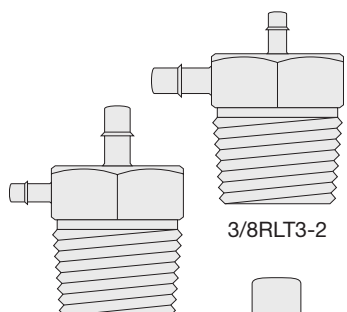
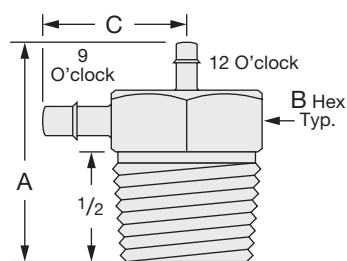


3/8LT1

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

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3/8RLT2-3

3/8RLT2 1/2-6

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.

Part Numbers for 3/8 Male Thread to Tube Reducing L-Tees:

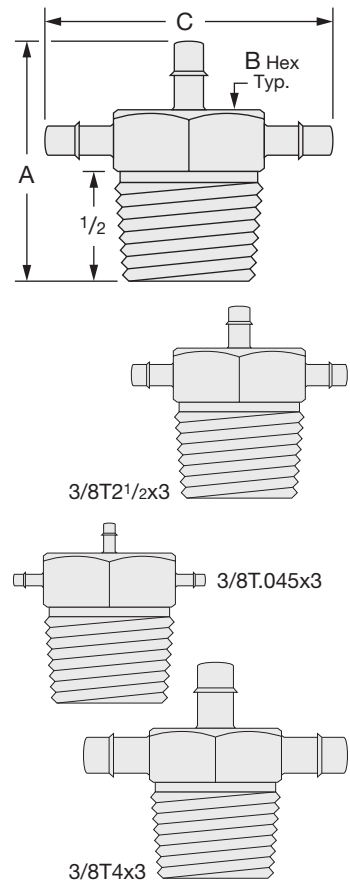
Thread Size	3/8	RLT	#	-	#	12 O'clock Branch #
Fitting Series						9 O'clock Branch #

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

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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	1 1/16	1 1/16
.040 / 1mm	3/8T.040x3	3/8T.040x3-SS	3/8T.040x3-316SS	3/8T.040x3-NP	15/16	1 1/16	1 1/16
3/64	3/8T.045x3	3/8T.045x3-SS	3/8T.045x3-316SS	3/8T.045x3-NP	15/16	1 1/16	1 1/16
.050	3/8T.050x3	3/8T.050x3-SS	3/8T.050x3-316SS	3/8T.050x3-NP	15/16	1 1/16	1 1/16
1/16	3/8T1x3	3/8T1x3-SS	3/8T1x3-316SS	3/8T1x3-NP	1	1 1/16	1 3/16
5/64 / 2mm	3/8T2x3	3/8T2x3-SS	3/8T2x3-316SS	3/8T2x3-NP	1	1 1/16	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	1 1/16	1 3/16
1/8	3/8T3x3	3/8T3x3-SS	3/8T3x3-316SS	3/8T3x3-NP	1 3/32	1 1/16	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	1 1/16	1 5/16
.170	3/8T4x3	3/8T4x3-SS	3/8T4x3-316SS	3/8T4x3-NP	1 3/32	1 1/16	1 3/8
3/16	3/8T5x3	3/8T5x3-SS	3/8T5x3-316SS	3/8T5x3-NP	1 5/32	1 1/16	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	1 1/16	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	1 1/16	1 11/16
1/4	3/8T6x3	3/8T6x3-SS	3/8T6x3-316SS	3/8T6x3-NP	1 7/8	1 1/16	1 11/16
5/16 / 8mm	3/8T7x3	3/8T7x3-SS	3/8T7x3-316SS	3/8T7x3-NP	1 11/16	1 1/16	1 13/16
3/8	3/8T8x3	3/8T8x3-SS	3/8T8x3-316SS	3/8T8x3-NP	1 15/32	1 1/16	1 3/4
1/2	3/8T10x3	3/8T10x3-SS	3/8T10x3-316SS	3/8T10x3-NP	1 7/8	1 1/16	2 1/16



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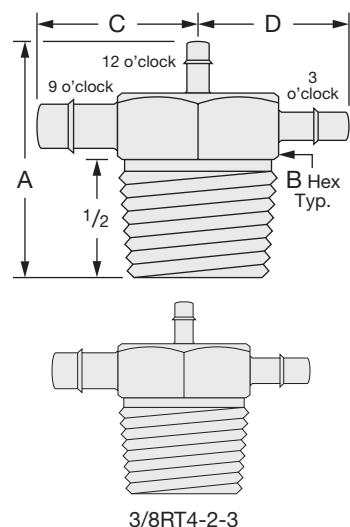
394

3/8 NPT Male Thread to Tube Reducing Tees x 3

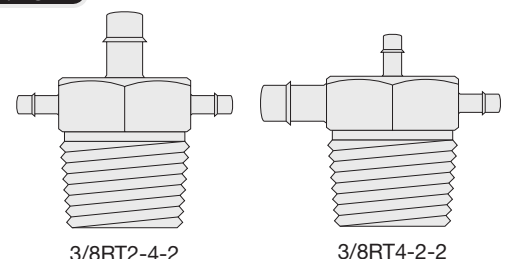
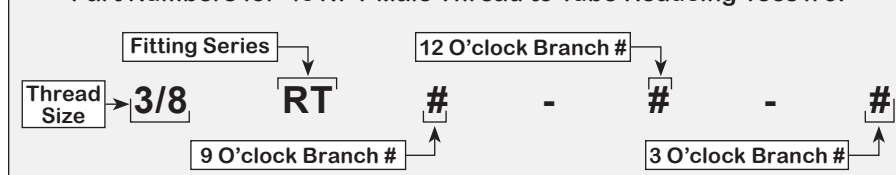
Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	1 1/16	1 7/32	1 7/32	1 7/32
.040 / 1mm	.040	1 1/16	1 7/32	1 7/32	1 7/32
3/64	.045	1 1/16	1 7/32	1 7/32	1 7/32
.050	.050	1 1/16	1 7/32	1 7/32	1 7/32
1/16	1	1 1/16	1 9/32	1 9/32	1 9/32
5/64 / 2mm	2	1 1/16	1 9/32	1 9/32	1 9/32
3/32	2 1/2	1 1/16	1 9/32	1 9/32	1 9/32
1/8	3	1 1/16	2 1/32	2 1/32	2 1/32
5/32 / 4mm	3 1/2	1 1/16	2 1/32	2 1/32	2 1/32

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
.170	4	1 1/16	1 1/16	1 1/16	1 1/16
3/16	5	1 1/16	2 3/32	2 3/32	2 3/32
7/32	5 1/2	1 1/16	2 3/32	2 3/32	2 3/32
6mm	5 3/4	1 1/16	2 7/32	2 7/32	2 7/32
1/4	6	1 1/16	2 7/32	2 7/32	2 7/32
5/16 / 8mm	7	1 1/16	2 9/32	2 9/32	2 9/32
3/8	8	1 1/16	7/8	7/8	7/8
1/2	10	1 1/16	1 1/32	1 1/32	1 1/32

Material options listed on previous page!

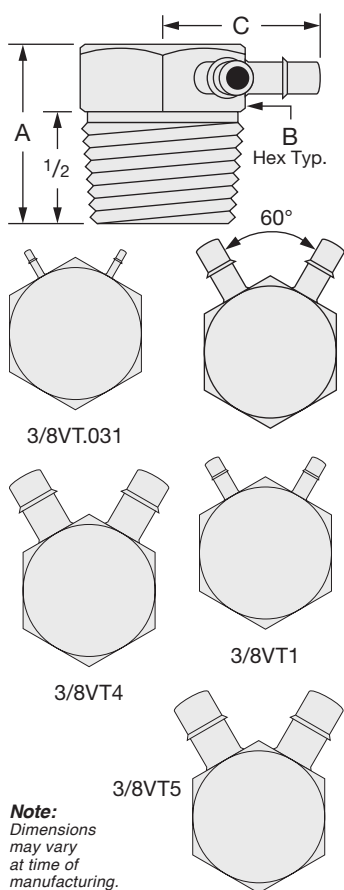


Part Numbers for 3/8 NPT Male Thread to Tube Reducing Tees x 3:



3/8 NPT Male Thread to Tube V-Tees

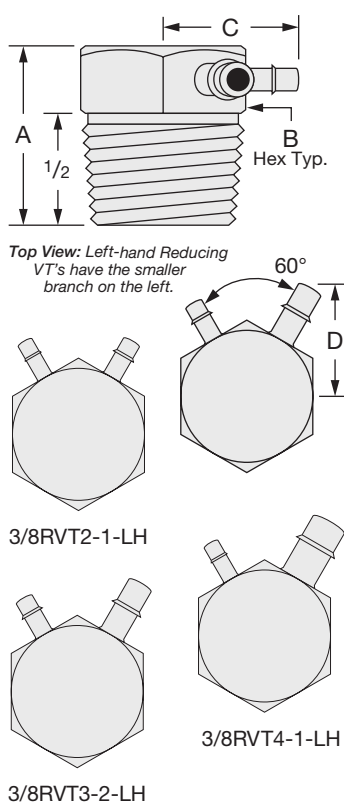
395



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

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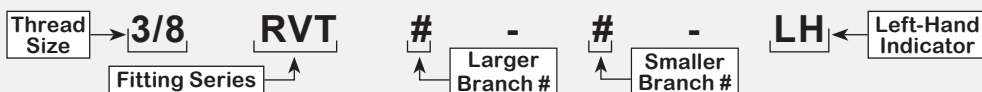


Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	25/32	11/16	17/32	17/32
.040 / 1mm	.040	25/32	11/16	17/32	17/32
3/64	.045	25/32	11/16	17/32	17/32
.050	.050	25/32	11/16	17/32	17/32
1/16	1	25/32	11/16	19/32	19/32
5/64 / 2mm	2	25/32	11/16	19/32	19/32
3/32	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.

Part Numbers for 3/8 NPT Male Thread to Tube Left-Hand Reducing V-Tees:



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

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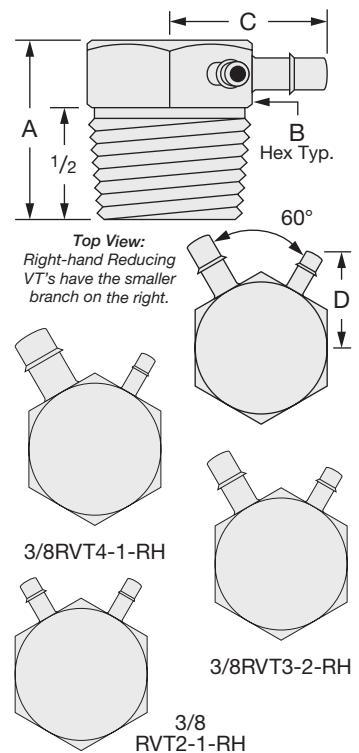
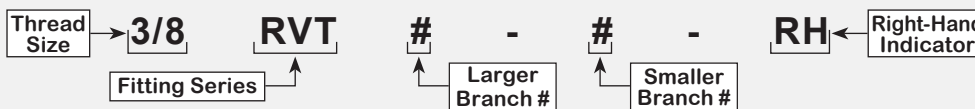
3/8 NPT Male Thread to Tube Right-Hand Reducing V-Tees

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	25/32	1 1/16	17/32	17/32
.040 / 1mm	.040	25/32	1 1/16	17/32	17/32
3/64	.045	25/32	1 1/16	17/32	17/32
.050	.050	25/32	1 1/16	17/32	17/32
1/16	1	25/32	1 1/16	19/32	19/32
5/64 / 2mm	2	25/32	1 1/16	19/32	19/32
3/32	2 1/2	25/32	1 1/16	19/32	19/32
1/8	3	25/32	1 1/16	2 1/32	2 1/32
5/32 / 4mm	3 1/2	25/32	1 1/16	2 1/32	2 1/32

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
.170	4	25/32	1 1/16	1 1/16	1 1/16
3/16	5	25/32	1 1/16	23/32	23/32
7/32	5 1/2	25/32	1 1/16	23/32	23/32
6mm	5 3/4	15/16	1 1/16	27/32	27/32
1/4	6	15/16	1 1/16	27/32	27/32
5/16 / 8mm	7	15/16	1 1/16	29/32	29/32
3/8	8	15/16	1 1/16	7/8	7/8
1/2	10	1 1/8	1 1/16	1 1/32	1 1/32

Material options listed on previous page!

Part Numbers for 3/8 NPT Male Thread to Tube Right-Hand Reducing V-Tees:

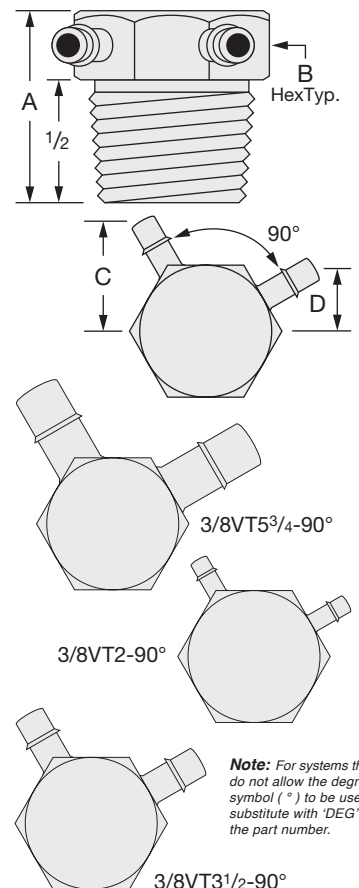


O

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3/8 NPT Male Thread to Tube 90° V-Tees

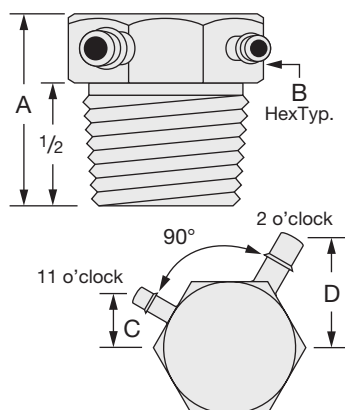
Tube ID	Part Numbers				Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/32	3/8VT.031-90°	3/8VT.031-90°-SS	3/8VT.031-90°-316SS	3/8VT.031-90°-NP	25/32	1 1/16	17/32	17/32
.040 / 1mm	3/8VT.040-90°	3/8VT.040-90°-SS	3/8VT.040-90°-316SS	3/8VT.040-90°-NP	25/32	1 1/16	17/32	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	1 1/16	17/32	17/32
.050	3/8VT.050-90°	3/8VT.050-90°-SS	3/8VT.050-90°-316SS	3/8VT.050-90°-NP	25/32	1 1/16	17/32	17/32
1/16	3/8VT1-90°	3/8VT1-90°-SS	3/8VT1-90°-316SS	3/8VT1-90°-NP	25/32	1 1/16	19/32	19/32
5/64 / 2mm	3/8VT2-90°	3/8VT2-90°-SS	3/8VT2-90°-316SS	3/8VT2-90°-NP	25/32	1 1/16	19/32	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	1 1/16	19/32	19/32
1/8	3/8VT3-90°	3/8VT3-90°-SS	3/8VT3-90°-316SS	3/8VT3-90°-NP	25/32	1 1/16	2 1/32	2 1/32
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	1 1/16	2 1/32	2 1/32
.170	3/8VT4-90°	3/8VT4-90°-SS	3/8VT4-90°-316SS	3/8VT4-90°-NP	25/32	1 1/16	1 1/16	1 1/16
3/16	3/8VT5-90°	3/8VT5-90°-SS	3/8VT5-90°-316SS	3/8VT5-90°-NP	25/32	1 1/16	23/32	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	1 1/16	23/32	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	1 1/16	27/32	27/32
1/4	3/8VT6-90°	3/8VT6-90°-SS	3/8VT6-90°-316SS	3/8VT6-90°-NP	15/16	1 1/16	27/32	27/32
5/16 / 8mm	3/8VT7-90°	3/8VT7-90°-SS	3/8VT7-90°-316SS	3/8VT7-90°-NP	15/16	1 1/16	29/32	29/32
3/8	3/8VT8-90°	3/8VT8-90°-SS	3/8VT8-90°-316SS	3/8VT8-90°-NP	15/16	1 1/16	7/8	7/8
1/2	3/8VT10-90°	3/8VT10-90°-SS	3/8VT10-90°-316SS	3/8VT10-90°-NP	1 1/8	1 1/16	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.

3/8 NPT Male Thread to Tube Reducing Left-Hand 90° V-Tees

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Top View:
Left-hand Reducing 90° VT's 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	9/32	1 1/16	17/32	Consult Factory
.040 / 1mm	.040	9/32	1 1/16	17/32	
3/64	.045	9/32	1 1/16	17/32	
.050	.050	9/32	1 1/16	17/32	
1/16	1	9/32	1 1/16	19/32	
5/64 / 2mm	2	9/32	1 1/16	19/32	
3/32	2 1/2	9/32	1 1/16	19/32	
1/8	3	9/32	1 1/16	2 1/32	
5/32 / 4mm	3 1/2	9/32	1 1/16	2 1/32	

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
.170	4	9/32	1 1/16	1 1/16	Consult Factory
3/16	5	9/32	1 1/16	23/32	
7/32	5 1/2	9/32	1 1/16	23/32	
6mm	5 3/4	7/16	1 1/16	27/32	
1/4	6	7/16	1 1/16	27/32	
5/16 / 8mm	7	7/16	1 1/16	29/32	
3/8	8	7/16	1 1/16	7/8	
1/2	10	5/8	1 1/16	1 1/32	

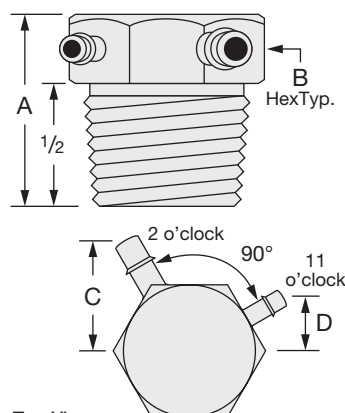
Note: For systems that do not allow the degree symbol (°) to be used, substitute with 'DEG' in the part number.

Part Numbers for 3/8 NPT Male Thread to Tube Reducing Left-Hand 90° V-Tees:

Thread Size	3/8	Fitting Series	RVT	#	-	#	-	90°	-	LH	Left-Hand Indicator
				2 O'clock Branch		11 O'clock Branch		90° Indicator			

3/8 NPT Male Thread to Tube Reducing Right-Hand 90° V-Tees

400



Top View:
Right-hand Reducing 90° VT's have the hex point branch at 11 o'clock while the hex flat branch is on the right, at 2 o'clock.

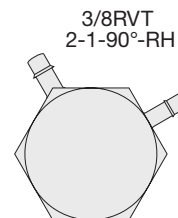
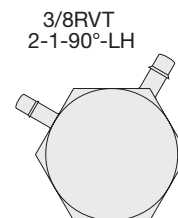
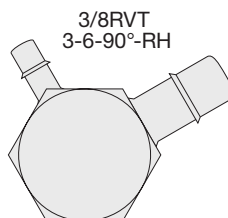
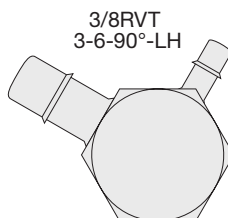
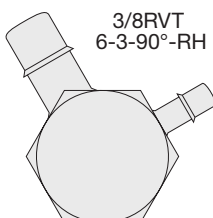
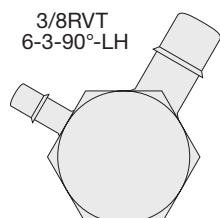
Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	9/32	1 1/16	17/32	Consult Factory
.040 / 1mm	.040	9/32	1 1/16	17/32	
3/64	.045	9/32	1 1/16	17/32	
.050	.050	9/32	1 1/16	17/32	
1/16	1	9/32	1 1/16	19/32	
5/64 / 2mm	2	9/32	1 1/16	19/32	
3/32	2 1/2	9/32	1 1/16	19/32	
1/8	3	9/32	1 1/16	2 1/32	
5/32 / 4mm	3 1/2	9/32	1 1/16	2 1/32	

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
.170	4	9/32	1 1/16	1 1/16	Consult Factory
3/16	5	9/32	1 1/16	23/32	
7/32	5 1/2	9/32	1 1/16	23/32	
6mm	5 3/4	7/16	1 1/16	27/32	
1/4	6	7/16	1 1/16	27/32	
5/16 / 8mm	7	7/16	1 1/16	29/32	
3/8	8	7/16	1 1/16	7/8	
1/2	10	5/8	1 1/16	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	#	-	#	-	90°	-	RH	Right-Hand Indicator
				11 O'clock Branch		2 O'clock Branch		90° Indicator			

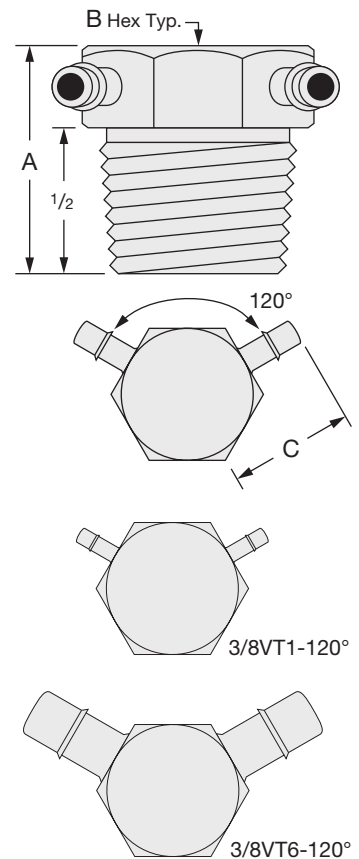


Unless otherwise specified, parts will be Brass. To order other materials, please add the following codes to the part number:
-SS = Stainless Steel 303 **-316SS = Stainless Steel 316** **-NP = Electroless Nickel Plate**

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3/8 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	3/8VT.031-120°	3/8VT.031-120°-SS	3/8VT.031-120°-316SS	3/8VT.031-120°-NP	25/32	1 1/16	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	1 1/16	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	1 1/16	17/32
.050	3/8VT.050-120°	3/8VT.050-120°-SS	3/8VT.050-120°-316SS	3/8VT.050-120°-NP	25/32	1 1/16	17/32
1/16	3/8VT1-120°	3/8VT1-120°-SS	3/8VT1-120°-316SS	3/8VT1-120°-NP	25/32	1 1/16	19/32
5/64 / 2mm	3/8VT2-120°	3/8VT2-120°-SS	3/8VT2-120°-316SS	3/8VT2-120°-NP	25/32	1 1/16	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	1 1/16	19/32
1/8	3/8VT3-120°	3/8VT3-120°-SS	3/8VT3-120°-316SS	3/8VT3-120°-NP	25/32	1 1/16	2 1/32
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	1 1/16	2 1/32
.170	3/8VT4-120°	3/8VT4-120°-SS	3/8VT4-120°-316SS	3/8VT4-120°-NP	25/32	1 1/16	1 1/16
3/16	3/8VT5-120°	3/8VT5-120°-SS	3/8VT5-120°-316SS	3/8VT5-120°-NP	25/32	1 1/16	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	1 1/16	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	1 1/16	27/32
1/4	3/8VT6-120°	3/8VT6-120°-SS	3/8VT6-120°-316SS	3/8VT6-120°-NP	15/16	1 1/16	27/32
5/16 / 8mm	3/8VT7-120°	3/8VT7-120°-SS	3/8VT7-120°-316SS	3/8VT7-120°-NP	15/16	1 1/16	29/32
3/8	3/8VT8-120°	3/8VT8-120°-SS	3/8VT8-120°-316SS	3/8VT8-120°-NP	15/16	1 1/16	7/8
1/2	3/8VT10-120°	3/8VT10-120°-SS	3/8VT10-120°-316SS	3/8VT10-120°-NP	1 1/8	1 1/16	1 1/32



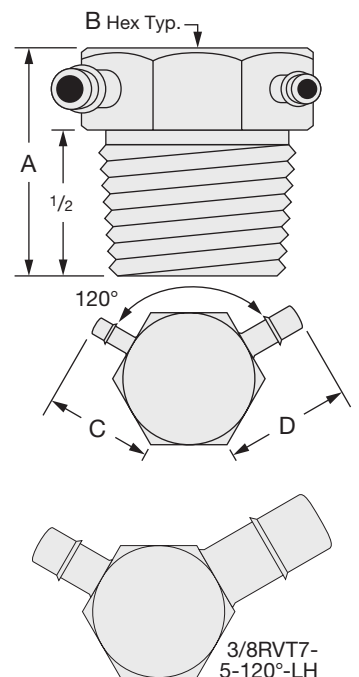
402

3/8 NPT Male Thread to Tube Reducing Left-Hand 120° V-Tees

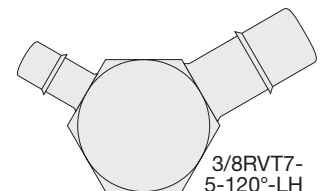
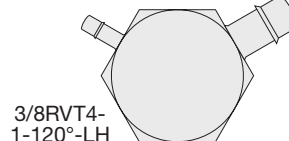
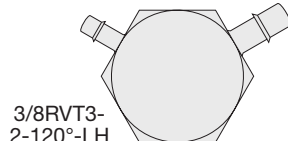
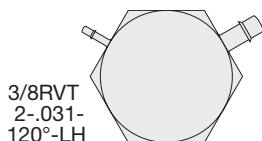
Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	9/32	1 1/16	17/32	17/32
.040 / 1mm	.040	9/32	1 1/16	17/32	17/32
3/64	.045	9/32	1 1/16	17/32	17/32
.050	.050	9/32	1 1/16	17/32	17/32
1/16	1	9/32	1 1/16	19/32	19/32
5/64 / 2mm	2	9/32	1 1/16	19/32	19/32
3/32	2 1/2	9/32	1 1/16	19/32	19/32
1/8	3	9/32	1 1/16	2 1/32	2 1/32
5/32 / 4mm	3 1/2	9/32	1 1/16	2 1/32	2 1/32

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
.170	4	9/32	1 1/16	1 1/16	1 1/16
3/16	5	9/32	1 1/16	23/32	23/32
7/32	5 1/2	9/32	1 1/16	23/32	23/32
6mm	5 3/4	7/16	1 1/16	27/32	27/32
1/4	6	7/16	1 1/16	27/32	27/32
5/16 / 8mm	7	7/16	1 1/16	29/32	29/32
3/8	8	7/16	1 1/16	7/8	7/8
1/2	10	5/8	1 1/16	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!

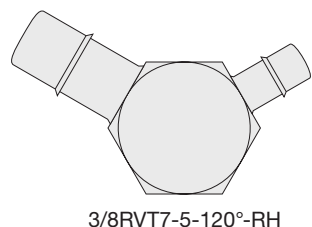
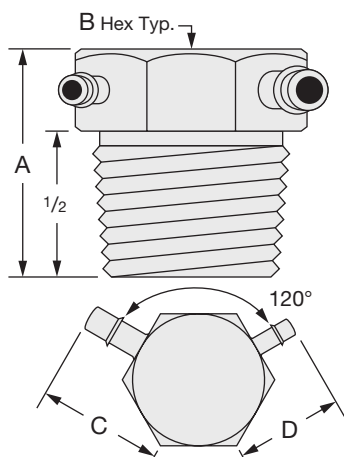


Part Numbers for 3/8 NPT Male Thread to Tube Reducing Left-Hand 120° V-Tees:

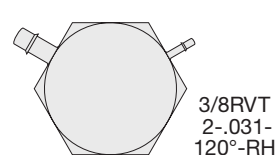
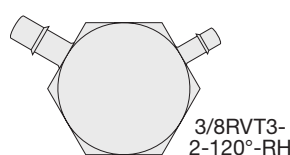
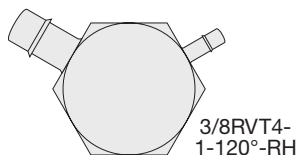
Thread Size	3/8	RVT	#	-	#	-	120°	-	LH	Left-Hand Indicator
		Fitting Series	Larger Branch #		Smaller Branch #		120° Indicator			

3/8 NPT Male Thread to Tube Reducing Right-Hand 120° V-Tees

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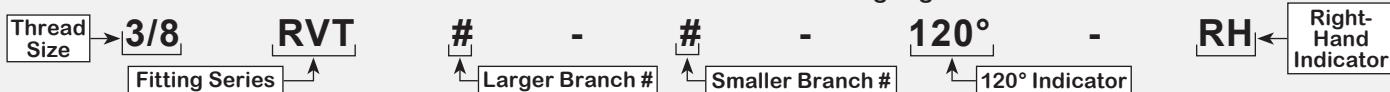
Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	9/32	1 1/16	17/32	17/32
.040 / 1mm	.040	9/32	1 1/16	17/32	17/32
3/64	.045	9/32	1 1/16	17/32	17/32
.050	.050	9/32	1 1/16	17/32	17/32
1/16	1	9/32	1 1/16	19/32	19/32
5/64 / 2mm	2	9/32	1 1/16	19/32	19/32
3/32	2 1/2	9/32	1 1/16	19/32	19/32
1/8	3	9/32	1 1/16	2 1/32	2 1/32
5/32 / 4mm	3 1/2	9/32	1 1/16	2 1/32	2 1/32



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

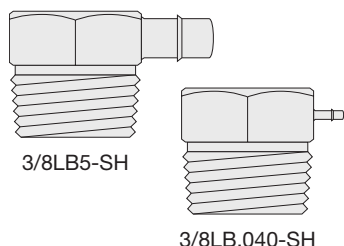
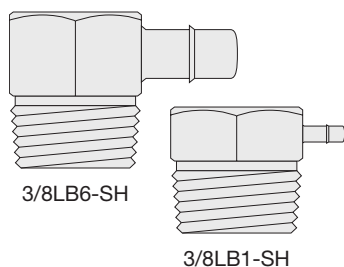
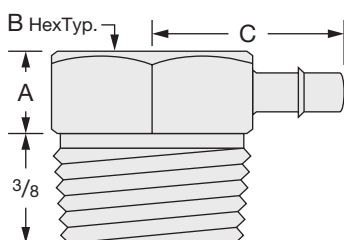
Material options listed on next page!

Part Numbers for 3/8 NPT Male Thread to Tube Reducing Right-Hand 120° V-Tees:



3/8 NPT Short Male Thread to Tube Elbows

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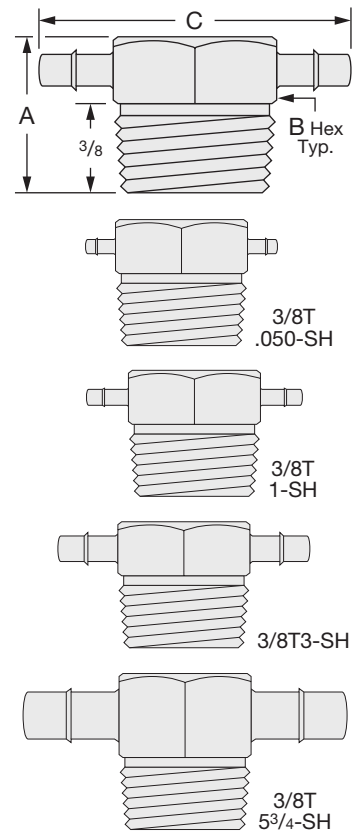


Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	3/8LB.031-SH	3/8LB.031-SH-SS	3/8LB.031-SH-316SS	3/8LB.031-SH-NP	9/32	1 1/16	17/32
.040 / 1mm	3/8LB.040-SH	3/8LB.040-SH-SS	3/8LB.040-SH-316SS	3/8LB.040-SH-NP	9/32	1 1/16	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	1 1/16	17/32
.050	3/8LB.050-SH	3/8LB.050-SH-SS	3/8LB.050-SH-316SS	3/8LB.050-SH-NP	9/32	1 1/16	17/32
1/16	3/8LB1-SH	3/8LB1-SH-SS	3/8LB1-SH-316SS	3/8LB1-SH-NP	9/32	1 1/16	19/32
5/64 / 2mm	3/8LB2-SH	3/8LB2-SH-SS	3/8LB2-SH-316SS	3/8LB2-SH-NP	9/32	1 1/16	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	1 1/16	19/32
1/8	3/8LB3-SH	3/8LB3-SH-SS	3/8LB3-SH-316SS	3/8LB3-SH-NP	9/32	1 1/16	2 1/32
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	1 1/16	2 1/32
.170	3/8LB4-SH	3/8LB4-SH-SS	3/8LB4-SH-316SS	3/8LB4-SH-NP	9/32	1 1/16	1 1/16
3/16	3/8LB5-SH	3/8LB5-SH-SS	3/8LB5-SH-316SS	3/8LB5-SH-NP	9/32	1 1/16	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	1 1/16	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	1 1/16	27/32
1/4	3/8LB6-SH	3/8LB6-SH-SS	3/8LB6-SH-316SS	3/8LB6-SH-NP	7/16	1 1/16	27/32

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3/8 NPT Short 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	3/8T.031-SH	3/8T.031-SH-SS	3/8T.031-SH-316SS	3/8T.031-SH-NP	2 1/32	1 1/16	1 1/16
.040 / 1mm	3/8T.040-SH	3/8T.040-SH-SS	3/8T.040-SH-316SS	3/8T.040-SH-NP	2 1/32	1 1/16	1 1/16
3/64	3/8T.045-SH	3/8T.045-SH-SS	3/8T.045-SH-316SS	3/8T.045-SH-NP	2 1/32	1 1/16	1 1/16
.050	3/8T.050-SH	3/8T.050-SH-SS	3/8T.050-SH-316SS	3/8T.050-SH-NP	2 1/32	1 1/16	1 1/16
1/16	3/8T1-SH	3/8T1-SH-SS	3/8T1-SH-316SS	3/8T1-SH-NP	2 1/32	1 1/16	1 3/16
5/64 / 2mm	3/8T2-SH	3/8T2-SH-SS	3/8T2-SH-316SS	3/8T2-SH-NP	2 1/32	1 1/16	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	2 1/32	1 1/16	1 3/16
1/8	3/8T3-SH	3/8T3-SH-SS	3/8T3-SH-316SS	3/8T3-SH-NP	2 1/32	1 1/16	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	2 1/32	1 1/16	1 5/16
.170	3/8T4-SH	3/8T4-SH-SS	3/8T4-SH-316SS	3/8T4-SH-NP	2 1/32	1 1/16	1 3/8
3/16	3/8T5-SH	3/8T5-SH-SS	3/8T5-SH-316SS	3/8T5-SH-NP	2 1/32	1 1/16	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	2 1/32	1 1/16	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	1 3/16	1 1/16	1 11/16
1/4	3/8T6-SH	3/8T6-SH-SS	3/8T6-SH-316SS	3/8T6-SH-NP	1 3/16	1 1/16	1 11/16

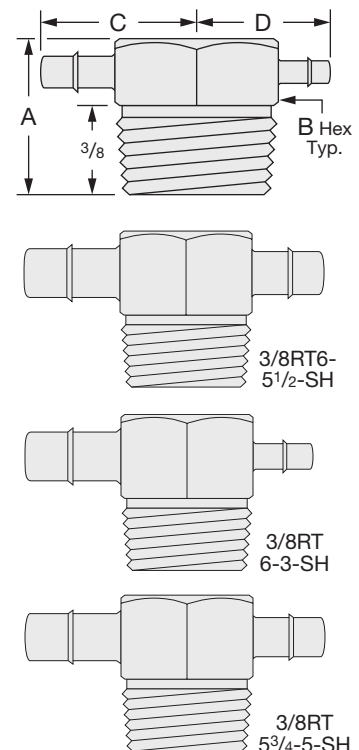


Custom 3/8 short NPT male thread fittings with larger branches available! Consult factory for details!

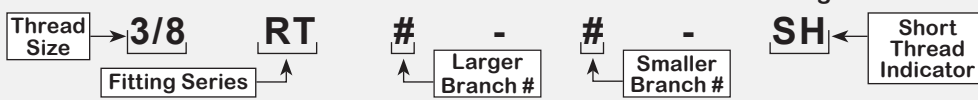
406

3/8 NPT Short Male Thread to Tube Reducing Tees

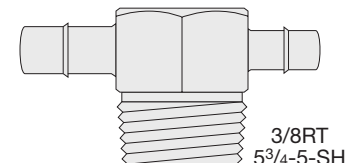
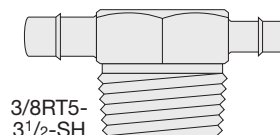
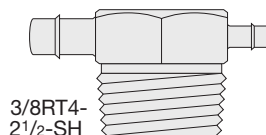
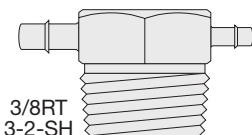
Branches		Dimensions (Reference)				Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.	Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	2 1/32	1 1/16	1 7/32	1 7/32	1/8	3	2 1/32	1 1/16	2 1/32	2 1/32
.040 / 1mm	.040	2 1/32	1 1/16	1 7/32	1 7/32	5/32 / 4mm	3 1/2	2 1/32	1 1/16	2 1/32	2 1/32
3/64	.045	2 1/32	1 1/16	1 7/32	1 7/32	.170	4	2 1/32	1 1/16	1 1/16	1 1/16
.050	.050	2 1/32	1 1/16	1 7/32	1 7/32	3/16	5	2 1/32	1 1/16	2 3/32	2 3/32
1/16	1	2 1/32	1 1/16	1 9/32	1 9/32	7/32	5 1/2	2 1/32	1 1/16	2 3/32	2 3/32
5/64 / 2mm	2	2 1/32	1 1/16	1 9/32	1 9/32	6mm	5 3/4	1 3/16	1 1/16	2 7/32	2 7/32
3/32	2 1/2	2 1/32	1 1/16	1 9/32	1 9/32	1/4	6	1 3/16	1 1/16	2 7/32	2 7/32



Part Numbers for 3/8 NPT Short Male Thread to Tube Reducing Tees:



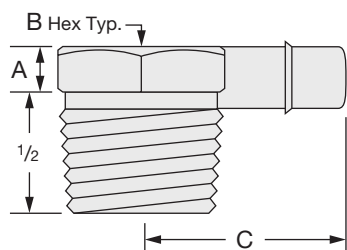
Note: Images are for visual representation only. Dimensions may vary at time of manufacturing.



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

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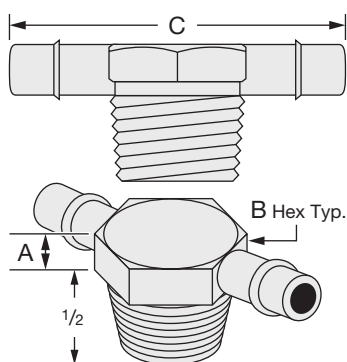


Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/4	3/8LB6-LP	3/8LB6-LP-SS	3/8LB6-LP-316SS	3/8LB6-LP-NP	3/16	1 1/16	27/32

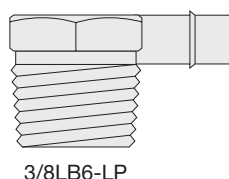
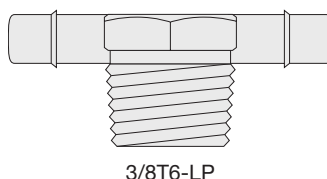
Low Profile Fittings: #6 Branch with Shorter Hex Height compared to standard!

3/8 NPT Male Thread to Tube Low Profile Tee

408



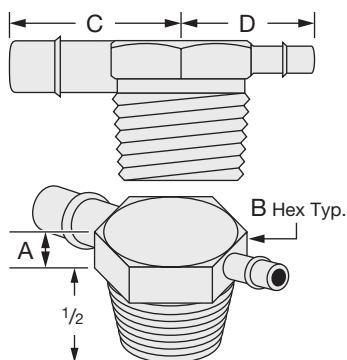
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/4	3/8T6-LP	3/8T6-LP-SS	3/8T6-LP-316SS	3/8T6-LP-NP	3/16	1 1/16	1 11/16



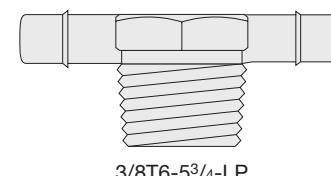
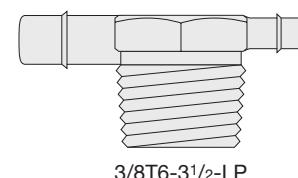
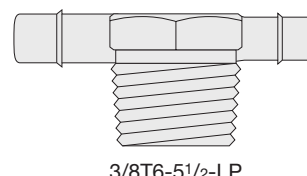
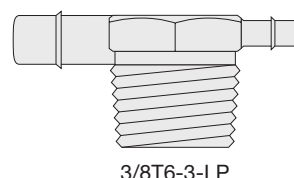
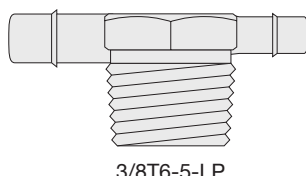
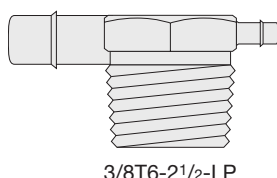
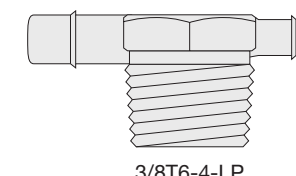
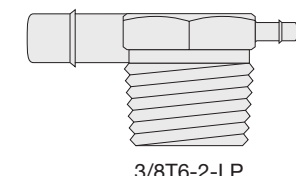
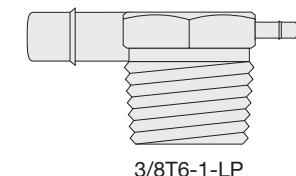
90° Low Profile Tees & other options maybe available upon special request! Lead times & minimum quantities apply! Consult factory for details!

3/8 NPT Male Thread to Tube Reducing Low Profile Tees

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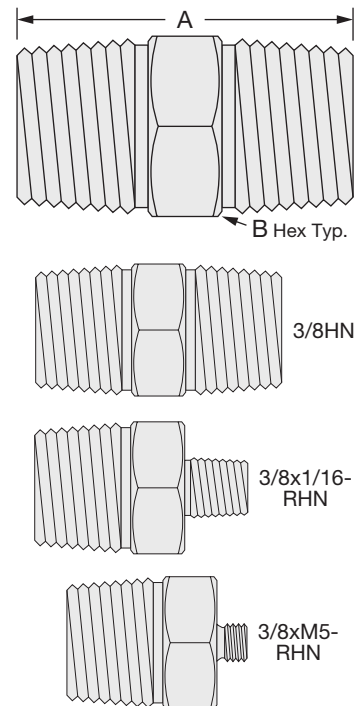
Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/4	1/16	3/8RT6-1-LP	3/8RT6-1-LP-SS	3/8RT6-1-LP-316SS	3/8RT6-1-LP-NP	3/16	1 1/16	27/32	19/32
1/4	5/64 / 2mm	3/8RT6-2-LP	3/8RT6-2-LP-SS	3/8RT6-2-LP-316SS	3/8RT6-2-LP-NP	3/16	1 1/16	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	1 1/16	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	1 1/16	27/32	2 1/32
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	1 1/16	27/32	2 1/32
1/4	.170	3/8RT6-4-LP	3/8RT6-4-LP-SS	3/8RT6-4-LP-316SS	3/8RT6-4-LP-NP	3/16	1 1/16	27/32	1 1/16
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	1 1/16	27/32	2 3/32
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	1 1/16	27/32	2 3/32
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	1 1/16	27/32	27/32



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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 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	M10x1.25	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



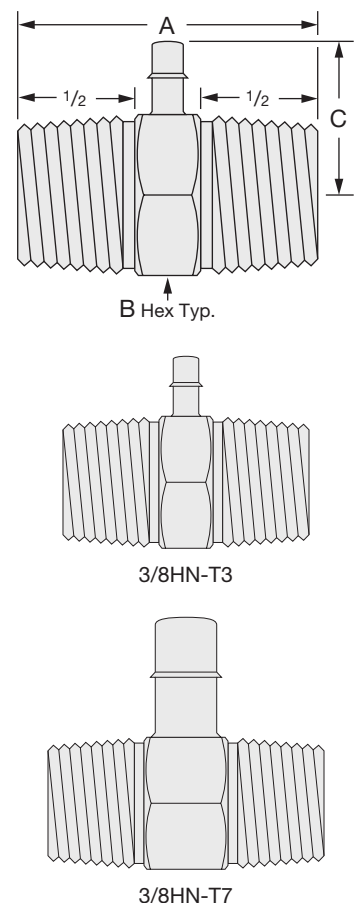
O-ring options available on straight (reducing) threads! O-ring options on page 65!

See pages 424 - 425 for other Hex Nipple options!

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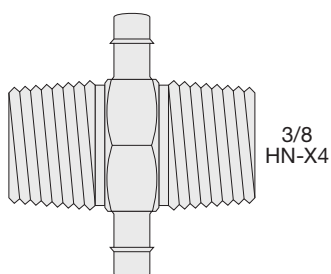
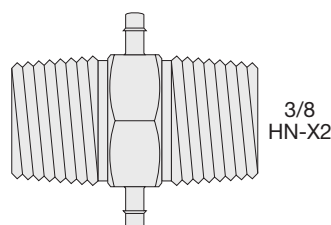
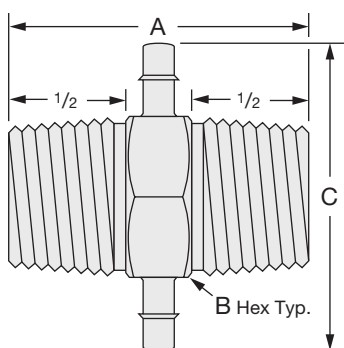
3/8 NPT Male Thread Nipples with Tube Branches: Tees

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	3/8HN-T.031	3/8HN-T.031-SS	3/8HN-T.031-316SS	3/8HN-T.031-NP	1 9/32	1 1/16	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	1 1/16	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	1 1/16	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	1 1/16	17/32
1/16	3/8HN-T1	3/8HN-T1-SS	3/8HN-T1-316SS	3/8HN-T1-NP	1 9/32	1 1/16	19/32
5/64 / 2mm	3/8HN-T2	3/8HN-T2-SS	3/8HN-T2-316SS	3/8HN-T2-NP	1 9/32	1 1/16	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	1 1/16	19/32
1/8	3/8HN-T3	3/8HN-T3-SS	3/8HN-T3-316SS	3/8HN-T3-NP	1 9/32	1 1/16	2 1/32
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	1 1/16	2 1/32
.170	3/8HN-T4	3/8HN-T4-SS	3/8HN-T4-316SS	3/8HN-T4-NP	1 9/32	1 1/16	1 1/16
3/16	3/8HN-T5	3/8HN-T5-SS	3/8HN-T5-316SS	3/8HN-T5-NP	1 9/32	1 1/16	2 3/32
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	1 1/16	2 3/32
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	1 1/16	2 7/32
1/4	3/8HN-T6	3/8HN-T6-SS	3/8HN-T6-316SS	3/8HN-T6-NP	1 3/8	1 1/16	2 7/32
5/16 / 8mm	3/8HN-T7	3/8HN-T7-SS	3/8HN-T7-316SS	3/8HN-T7-NP	1 7/16	1 1/16	2 9/32
3/8	3/8HN-T8	3/8HN-T8-SS	3/8HN-T8-316SS	3/8HN-T8-NP	1 7/16	1 1/16	7/8
1/2	3/8HN-T10	3/8HN-T10-SS	3/8HN-T10-316SS	3/8HN-T10-NP	1 5/8	1 1/16	1 1/32



3/8 NPT Male Thread Nipples with Tube Branches: Crosses

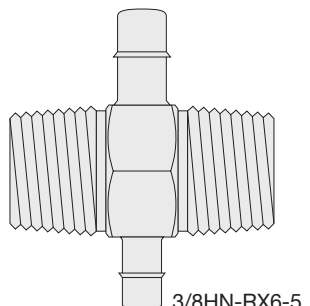
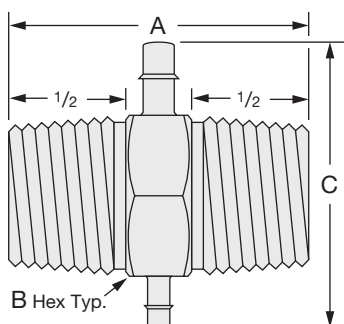
412



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-X.031	3/8HN-X.031-SS	3/8HN-X.031-316SS	3/8HN-X.031-NP	1 9/32	1 1/16	1 1/16
.040 / 1mm	3/8HN-X.040	3/8HN-X.040-SS	3/8HN-X.040-316SS	3/8HN-X.040-NP	1 9/32	1 1/16	1 1/16
3/64	3/8HN-X.045	3/8HN-X.045-SS	3/8HN-X.045-316SS	3/8HN-X.045-NP	1 9/32	1 1/16	1 1/16
.050	3/8HN-X.050	3/8HN-X.050-SS	3/8HN-X.050-316SS	3/8HN-X.050-NP	1 9/32	1 1/16	1 1/16
1/16	3/8HN-X1	3/8HN-X1-SS	3/8HN-X1-316SS	3/8HN-X1-NP	1 9/32	1 1/16	1 3/16
5/64 / 2mm	3/8HN-X2	3/8HN-X2-SS	3/8HN-X2-316SS	3/8HN-X2-NP	1 9/32	1 1/16	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	1 9/32	1 1/16	1 3/16
1/8	3/8HN-X3	3/8HN-X3-SS	3/8HN-X3-316SS	3/8HN-X3-NP	1 9/32	1 1/16	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	1 9/32	1 1/16	1 5/16
.170	3/8HN-X4	3/8HN-X4-SS	3/8HN-X4-316SS	3/8HN-X4-NP	1 9/32	1 1/16	1 3/8
3/16	3/8HN-X5	3/8HN-X5-SS	3/8HN-X5-316SS	3/8HN-X5-NP	1 9/32	1 1/16	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	1 9/32	1 1/16	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	1 1/16	1 11/16
1/4	3/8HN-X6	3/8HN-X6-SS	3/8HN-X6-316SS	3/8HN-X6-NP	1 3/8	1 1/16	1 11/16
5/16 / 8mm	3/8HN-X7	3/8HN-X7-SS	3/8HN-X7-316SS	3/8HN-X7-NP	1 7/16	1 1/16	1 13/16
3/8	3/8HN-X8	3/8HN-X8-SS	3/8HN-X8-316SS	3/8HN-X8-NP	1 7/16	1 1/16	1 3/4
1/2	3/8HN-X10	3/8HN-X10-SS	3/8HN-X10-316SS	3/8HN-X10-NP	1 5/8	1 1/16	2 1/16

3/8 NPT Male Thread Nipples with Tube Branches: Reducing Crosses

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Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	1 9/32	1 1/16	1 7/32	1 7/32
.040 / 1mm	.040	1 9/32	1 1/16	1 7/32	1 7/32
3/64	.045	1 9/32	1 1/16	1 7/32	1 7/32
.050	.050	1 9/32	1 1/16	1 7/32	1 7/32
1/16	1	1 9/32	1 1/16	1 9/32	1 9/32
5/64 / 2mm	2	1 9/32	1 1/16	1 9/32	1 9/32
3/32	2 1/2	1 9/32	1 1/16	1 9/32	1 9/32
1/8	3	1 9/32	1 1/16	2 1/32	2 1/32
5/32 / 4mm	3 1/2	1 9/32	1 1/16	2 1/32	2 1/32

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
.170	4	1 9/32	1 1/16	1 1/16	1 1/16
3/16	5	1 9/32	1 1/16	2 3/32	2 3/32
7/32	5 1/2	1 9/32	1 1/16	2 3/32	2 3/32
6mm	5 3/4	1 3/8	1 1/16	2 7/32	2 7/32
1/4	6	1 3/8	1 1/16	2 7/32	2 7/32
5/16 / 8mm	7	1 7/16	1 1/16	2 9/32	2 9/32
3/8	8	1 7/16	1 1/16	7/8	7/8
1/2	10	1 5/8	1 1/16	1 1/32	1 1/32

Orifices options listed on page 445!

Part Numbers for 3/8 NPT Nipples with Reducing Cross Branches:

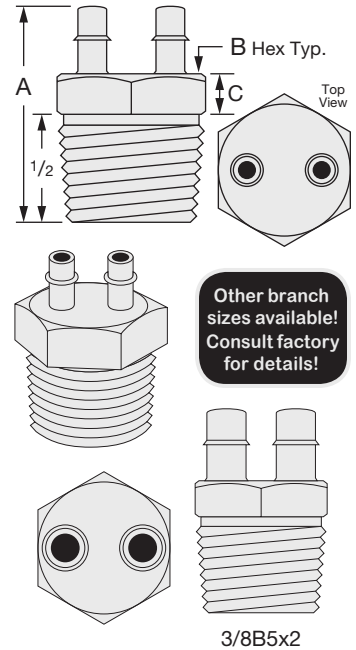
Thread Size	3/8	HN-RX	#	-	#	Smaller Branch #
		Fitting Series				Larger Branch #

Unless otherwise specified, parts will be Brass. To order other materials, please add the following codes to 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 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	1 1/16	3/16
.040 / 1mm	3/8B.040x2	3/8B.040x2-SS	3/8B.040x2-316SS	3/8B.040x2-NP	27/32	1 1/16	3/16
3/64	3/8B.045x2	3/8B.045x2-SS	3/8B.045x2-316SS	3/8B.045x2-NP	27/32	1 1/16	3/16
.050	3/8B.050x2	3/8B.050x2-SS	3/8B.050x2-316SS	3/8B.050x2-NP	27/32	1 1/16	3/16
1/16	3/8B1x2	3/8B1x2-SS	3/8B1x2-316SS	3/8B1x2-NP	29/32	1 1/16	3/16
5/64 / 2mm	3/8B2x2	3/8B2x2-SS	3/8B2x2-316SS	3/8B2x2-NP	29/32	1 1/16	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	1 1/16	3/16
1/8	3/8B3x2	3/8B3x2-SS	3/8B3x2-316SS	3/8B3x2-NP	1	1 1/16	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	1 1/16	3/16
.170	3/8B4x2	3/8B4x2-SS	3/8B4x2-316SS	3/8B4x2-NP	1 1/32	1 1/16	3/16
3/16	3/8B5x2	3/8B5x2-SS	3/8B5x2-316SS	3/8B5x2-NP	1 1/16	1 1/16	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	1 1/16	3/16

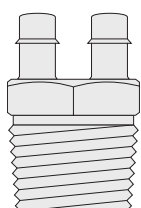
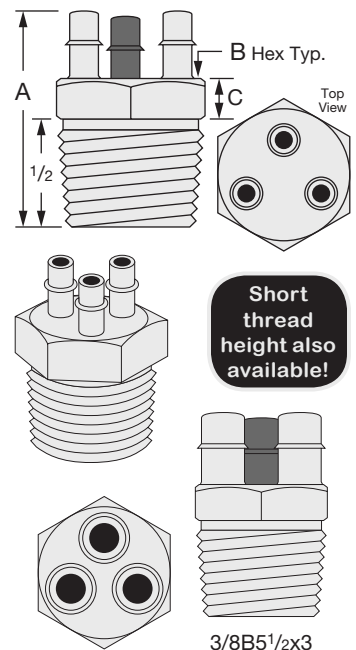


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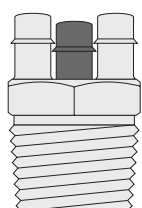
415

3/8 NPT Male Thread Straight Manifolds with 3 Branches

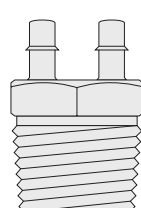
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	3/8B.031x3	3/8B.031x3-SS	3/8B.031x3-316SS	3/8B.031x3-NP	27/32	1 1/16	3/16
.040 / 1mm	3/8B.040x3	3/8B.040x3-SS	3/8B.040x3-316SS	3/8B.040x3-NP	27/32	1 1/16	3/16
3/64	3/8B.045x3	3/8B.045x3-SS	3/8B.045x3-316SS	3/8B.045x3-NP	27/32	1 1/16	3/16
.050	3/8B.050x3	3/8B.050x3-SS	3/8B.050x3-316SS	3/8B.050x3-NP	27/32	1 1/16	3/16
1/16	3/8B1x3	3/8B1x3-SS	3/8B1x3-316SS	3/8B1x3-NP	29/32	1 1/16	3/16
5/64 / 2mm	3/8B2x3	3/8B2x3-SS	3/8B2x3-316SS	3/8B2x3-NP	29/32	1 1/16	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	1 1/16	3/16
1/8	3/8B3x3	3/8B3x3-SS	3/8B3x3-316SS	3/8B3x3-NP	1	1 1/16	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	1 1/16	3/16
.170	3/8B4x3	3/8B4x3-SS	3/8B4x3-316SS	3/8B4x3-NP	1 1/32	1 1/16	3/16
3/16	3/8B5x3	3/8B5x3-SS	3/8B5x3-316SS	3/8B5x3-NP	1 1/16	1 1/16	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	1 1/16	3/16



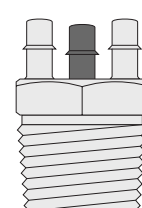
3/8B4x2



3/8B4x3



3/8B3x2

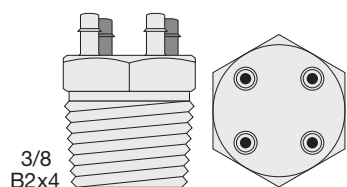
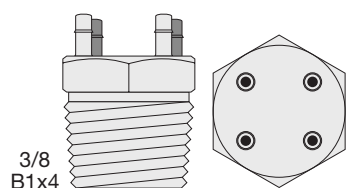
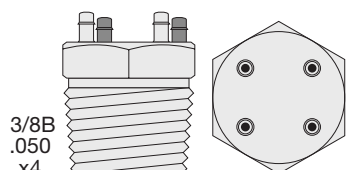
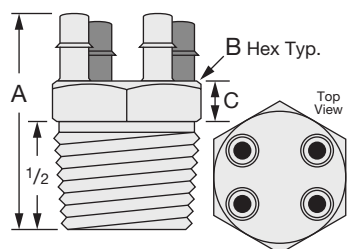


3/8B3x3

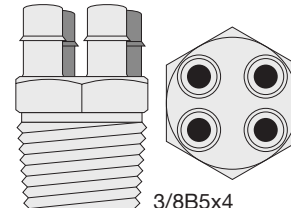
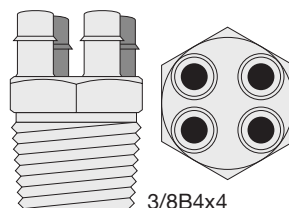
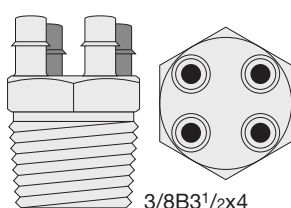
Customize Straight Manifolds with alternate branch locations!! Use the template on page 227 to indicate branch configuration!

3/8 NPT Male Thread Straight Manifolds with 4 Branches

416

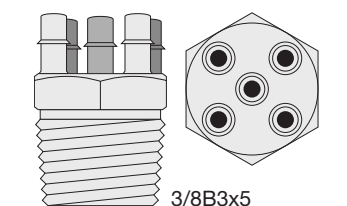
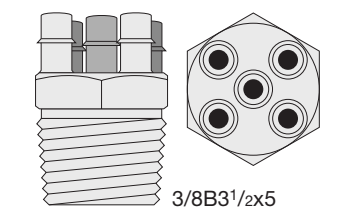
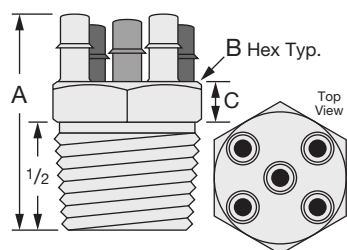


Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	3/8B.031x4	3/8B.031x4-SS	3/8B.031x4-316SS	3/8B.031x4-NP	27/32	1 1/16	3/16
.040 / 1mm	3/8B.040x4	3/8B.040x4-SS	3/8B.040x4-316SS	3/8B.040x4-NP	27/32	1 1/16	3/16
3/64	3/8B.045x4	3/8B.045x4-SS	3/8B.045x4-316SS	3/8B.045x4-NP	27/32	1 1/16	3/16
.050	3/8B.050x4	3/8B.050x4-SS	3/8B.050x4-316SS	3/8B.050x4-NP	27/32	1 1/16	3/16
1/16	3/8B1x4	3/8B1x4-SS	3/8B1x4-316SS	3/8B1x4-NP	29/32	1 1/16	3/16
5/64 / 2mm	3/8B2x4	3/8B2x4-SS	3/8B2x4-316SS	3/8B2x4-NP	29/32	1 1/16	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	1 1/16	3/16
1/8	3/8B3x4	3/8B3x4-SS	3/8B3x4-316SS	3/8B3x4-NP	1	1 1/16	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	1 1/16	3/16
.170	3/8B4x4	3/8B4x4-SS	3/8B4x4-316SS	3/8B4x4-NP	1 1/32	1 1/16	3/16
3/16	3/8B5x4	3/8B5x4-SS	3/8B5x4-316SS	3/8B5x4-NP	1 1/16	1 1/16	3/16

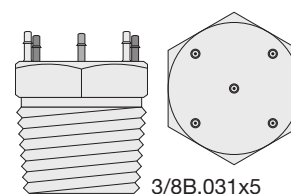
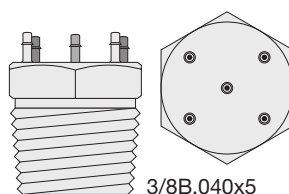
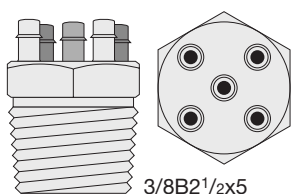


3/8 NPT Male Thread Straight Manifolds with 5 Branches

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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	1 1/16	3/16
.040 / 1mm	3/8B.040x5	3/8B.040x5-SS	3/8B.040x5-316SS	3/8B.040x5-NP	27/32	1 1/16	3/16
3/64	3/8B.045x5	3/8B.045x5-SS	3/8B.045x5-316SS	3/8B.045x5-NP	27/32	1 1/16	3/16
.050	3/8B.050x5	3/8B.050x5-SS	3/8B.050x5-316SS	3/8B.050x5-NP	27/32	1 1/16	3/16
1/16	3/8B1x5	3/8B1x5-SS	3/8B1x5-316SS	3/8B1x5-NP	29/32	1 1/16	3/16
5/64 / 2mm	3/8B2x5	3/8B2x5-SS	3/8B2x5-316SS	3/8B2x5-NP	29/32	1 1/16	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	1 1/16	3/16
1/8	3/8B3x5	3/8B3x5-SS	3/8B3x5-316SS	3/8B3x5-NP	1	1 1/16	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	1 1/16	3/16

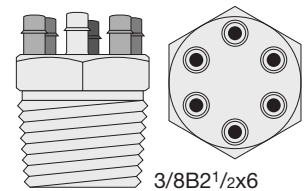
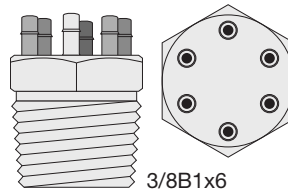
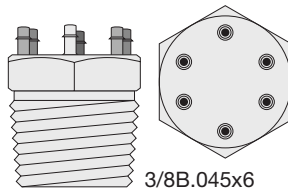
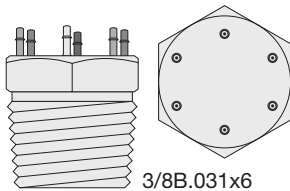
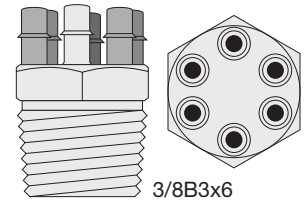
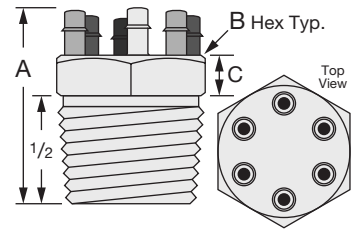


Customize Straight Manifolds with alternate branch locations! Use the template on page 227 to indicate branch placement!

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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	1 1/16	3/16
.040 / 1mm	3/8B.040x6	3/8B.040x6-SS	3/8B.040x6-316SS	3/8B.040x6-NP	27/32	1 1/16	3/16
3/64	3/8B.045x6	3/8B.045x6-SS	3/8B.045x6-316SS	3/8B.045x6-NP	27/32	1 1/16	3/16
.050	3/8B.050x6	3/8B.050x6-SS	3/8B.050x6-316SS	3/8B.050x6-NP	27/32	1 1/16	3/16
1/16	3/8B1x6	3/8B1x6-SS	3/8B1x6-316SS	3/8B1x6-NP	29/32	1 1/16	3/16
5/64 / 2mm	3/8B2x6	3/8B2x6-SS	3/8B2x6-316SS	3/8B2x6-NP	29/32	1 1/16	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	1 1/16	3/16
1/8	3/8B3x6	3/8B3x6-SS	3/8B3x6-316SS	3/8B3x6-NP	1	1 1/16	3/16

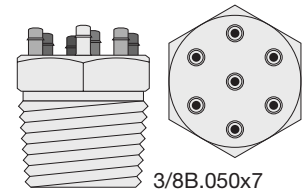
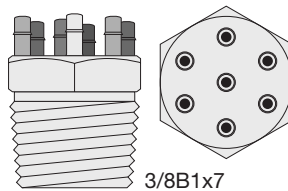
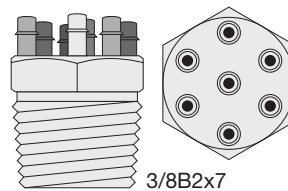
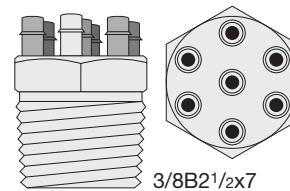
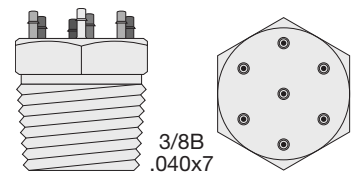
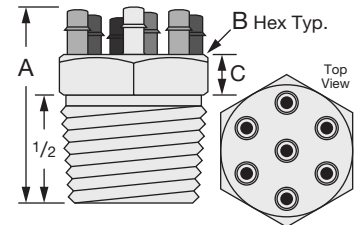


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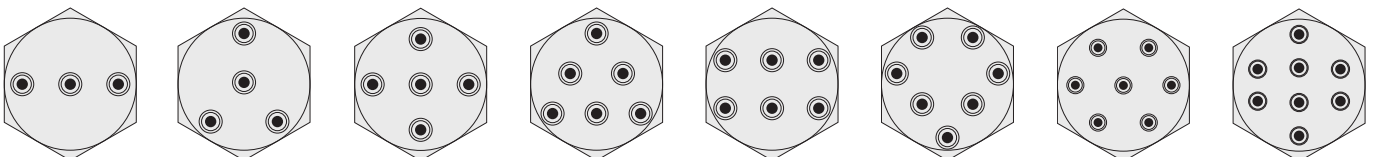
419

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	1 1/16	3/16
.040 / 1mm	3/8B.040x7	3/8B.040x7-SS	3/8B.040x7-316SS	3/8B.040x7-NP	27/32	1 1/16	3/16
3/64	3/8B.045x7	3/8B.045x7-SS	3/8B.045x7-316SS	3/8B.045x7-NP	27/32	1 1/16	3/16
.050	3/8B.050x7	3/8B.050x7-SS	3/8B.050x7-316SS	3/8B.050x7-NP	27/32	1 1/16	3/16
1/16	3/8B1x7	3/8B1x7-SS	3/8B1x7-316SS	3/8B1x7-NP	29/32	1 1/16	3/16
5/64 / 2mm	3/8B2x7	3/8B2x7-SS	3/8B2x7-316SS	3/8B2x7-NP	29/32	1 1/16	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	1 1/16	3/16



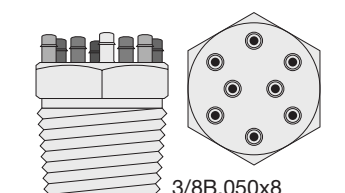
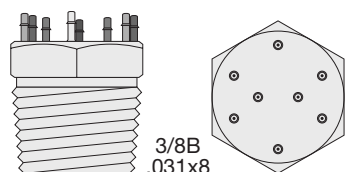
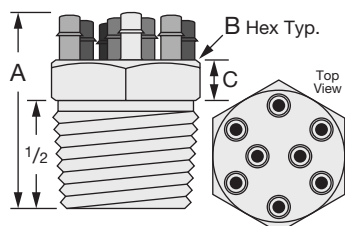
Customize Straight Manifolds with alternate branch locations! Use the Template on page 227 to indicate branch placement!



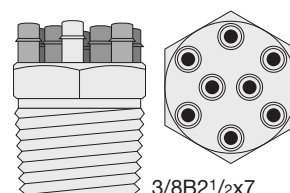
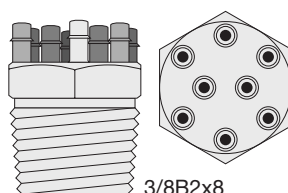
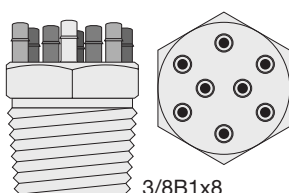
Short thread height and smaller branch sizes also available! Lead times and minimum quantities apply! Consult factory for details!

3/8 NPT Male Thread Straight Manifolds with 8 Branches

420

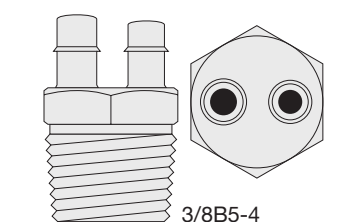
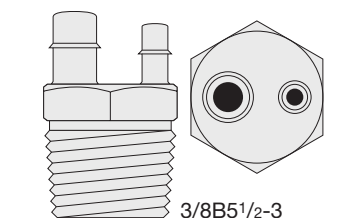
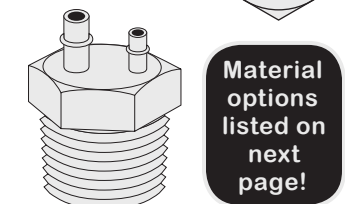
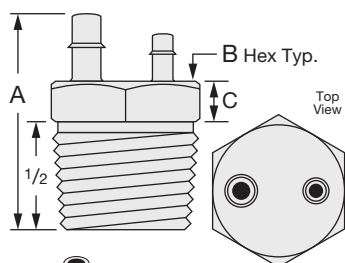


Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	3/8B.031x8	3/8B.031x8-SS	3/8B.031x8-316SS	3/8B.031x8-NP	27/32	1 1/16	3/16
.040 / 1mm	3/8B.040x8	3/8B.040x8-SS	3/8B.040x8-316SS	3/8B.040x8-NP	27/32	1 1/16	3/16
3/64	3/8B.045x8	3/8B.045x8-SS	3/8B.045x8-316SS	3/8B.045x8-NP	27/32	1 1/16	3/16
.050	3/8B.050x8	3/8B.050x8-SS	3/8B.050x8-316SS	3/8B.050x8-NP	27/32	1 1/16	3/16
1/16	3/8B1x8	3/8B1x8-SS	3/8B1x8-316SS	3/8B1x8-NP	29/32	1 1/16	3/16
5/64 / 2mm	3/8B2x8	3/8B2x8-SS	3/8B2x8-316SS	3/8B2x8-NP	29/32	1 1/16	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	1 1/16	3/16



3/8 NPT Male Thread Straight Reducing Manifolds with 2 Branches

421



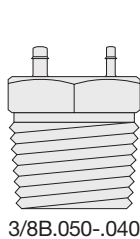
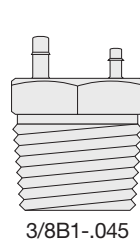
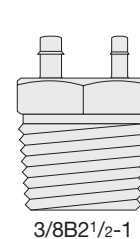
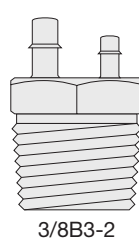
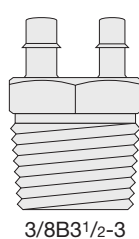
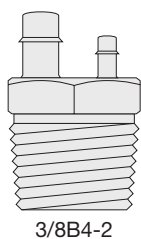
Material options listed on next page!

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/32	.031	27/32	1 1/16	3/16
.040 / 1mm	.040	27/32	1 1/16	3/16
3/64	.045	27/32	1 1/16	3/16
.050	.050	27/32	1 1/16	3/16
1/16	1	29/32	1 1/16	3/16
5/64 / 2mm	2	29/32	1 1/16	3/16

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
3/32	2 1/2	29/32	1 1/16	3/16
1/8	3	1	1 1/16	3/16
5/32 / 4mm	3 1/2	1	1 1/16	3/16
.170	4	1 1/32	1 1/16	3/16
3/16	5	1 1/16	1 1/16	3/16
7/32	5 1/2	1 1/16	1 1/16	3/16

Part Numbers for 3/8 NPT Straight Reducing Manifolds with 2 Branches:

Thread Size → **3/8** **B** # - # Smaller Branch #
 Fitting Series Larger Branch #



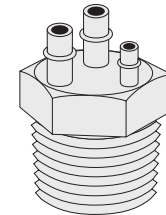
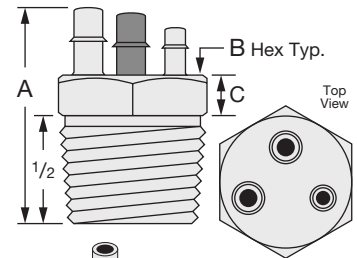
Customize Straight Manifolds with alternate branch locations! Use the template on page 227 to indicate branch sizes & placement!

422

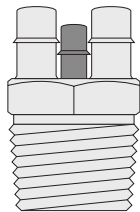
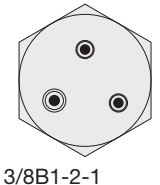
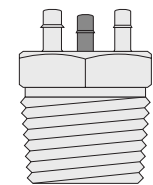
3/8 NPT Male Thread Straight Reducing Manifolds with 3 Branches

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/32	.031	27/32	1 1/16	3/16
.040 / 1mm	.040	27/32	1 1/16	3/16
3/64	.045	27/32	1 1/16	3/16
.050	.050	27/32	1 1/16	3/16
1/16	1	29/32	1 1/16	3/16
5/64 / 2mm	2	29/32	1 1/16	3/16

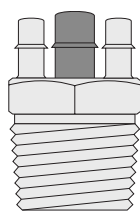
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
3/32	2 1/2	29/32	1 1/16	3/16
1/8	3	1	1 1/16	3/16
5/32 / 4mm	3 1/2	1	1 1/16	3/16
.170	4	1 1/32	1 1/16	3/16
3/16	5	1 1/16	1 1/16	3/16
7/32	5 1/2	1 1/16	1 1/16	3/16



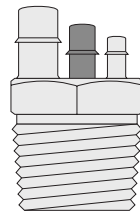
Short thread height also available! Consult factory for details!



3/8B3-5-5



3/8B5-3-3



3/8B3-5-2

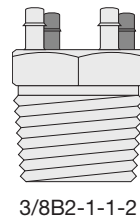
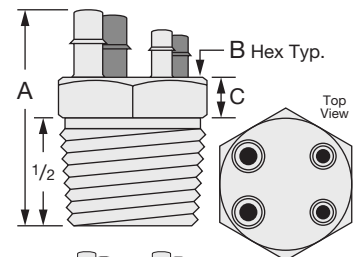
Use the template on page 227 to indicate branch sizes & placement! Consult factory for details!

423

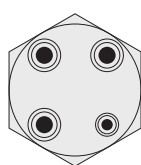
3/8 NPT Male Thread Straight Reducing Manifolds with 4 Branches

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/32	.031	27/32	1 1/16	3/16
.040 / 1mm	.040	27/32	1 1/16	3/16
3/64	.045	27/32	1 1/16	3/16
.050	.050	27/32	1 1/16	3/16
1/16	1	29/32	1 1/16	3/16
5/64 / 2mm	2	29/32	1 1/16	3/16

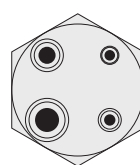
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
3/32	2 1/2	29/32	1 1/16	3/16
1/8	3	1	1 1/16	3/16
5/32 / 4mm	3 1/2	1	1 1/16	3/16
.170	4	1 1/32	1 1/16	3/16
3/16	5	1 1/16	1 1/16	3/16



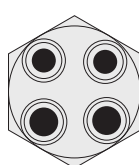
3/8B2-1-1-2



3/8B3-3-3-2



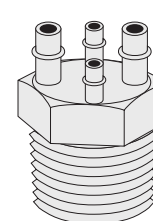
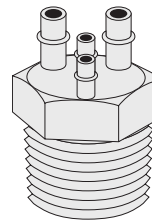
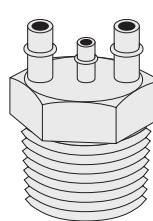
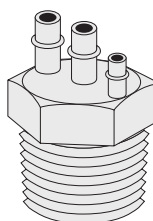
3/8B4-3-2-1



3/8B5-4-5-4

Use the template on page 227 to indicate branch sizes and configuration!

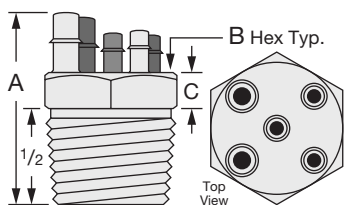
Customize Straight Reducing Manifolds with alternate branch locations! Use the template on page 227 to indicate branch placement!



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

3/8 NPT Male Thread Straight Reducing Manifolds with 5 Branches

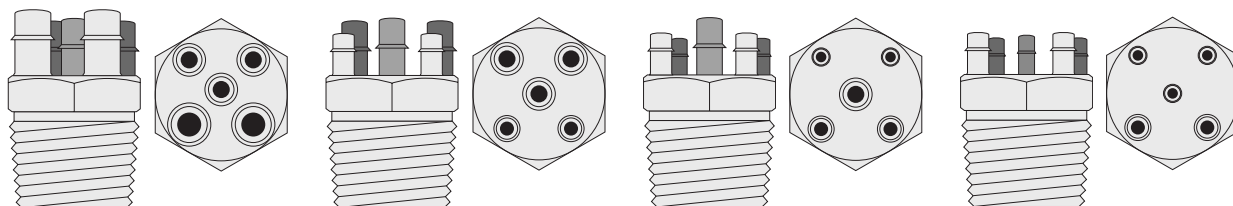
424



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	1 1/16	3/16
.040 / 1mm	.040	27/32	1 1/16	3/16
3/64	.045	27/32	1 1/16	3/16
.050	.050	27/32	1 1/16	3/16
1/16	1	29/32	1 1/16	3/16

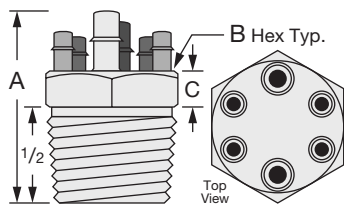
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
5/64 / 2mm	2	29/32	1 1/16	3/16
3/32	2 1/2	29/32	1 1/16	3/16
1/8	3	1	1 1/16	3/16
5/32 / 4mm	3 1/2	1	1 1/16	3/16
.170	4	1 1/32	1 1/16	3/16



Material options listed on next page!

3/8 NPT Male Thread Straight Reducing Manifolds with 6 Branches

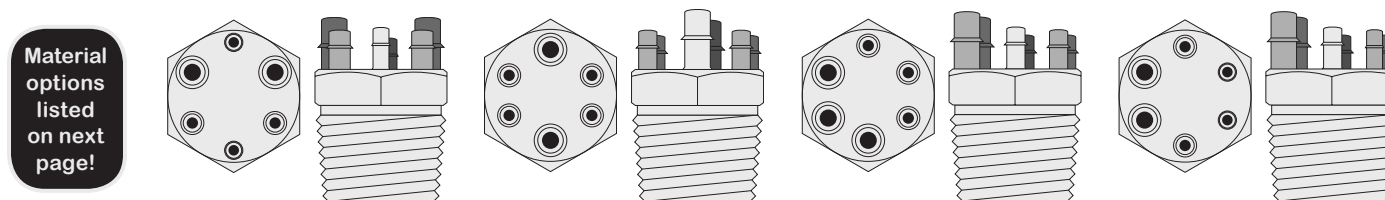
425



Use the template on page 227 to indicate branch sizes & placement!

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/32	.031	27/32	1 1/16	3/16
.040 / 1mm	.040	27/32	1 1/16	3/16
3/64	.045	27/32	1 1/16	3/16
.050	.050	27/32	1 1/16	3/16

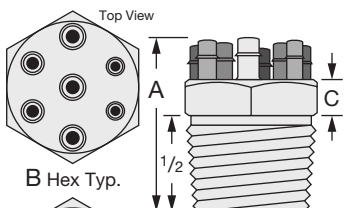
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/16	1	29/32	1 1/16	3/16
5/64 / 2mm	2	29/32	1 1/16	3/16
3/32	2 1/2	29/32	1 1/16	3/16
1/8	3	1	1 1/16	3/16



Material options listed on next page!

3/8 NPT Male Thread Reducing Straight Manifolds with 7 or 8 Branches

426

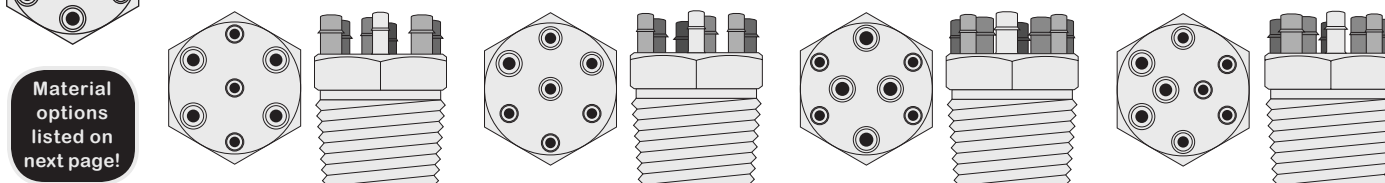


7 or 8 branch configurations!

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/32	.031	27/32	1 1/16	3/16
.040 / 1mm	.040	27/32	1 1/16	3/16
3/64	.045	27/32	1 1/16	3/16
.050	.050	27/32	1 1/16	3/16

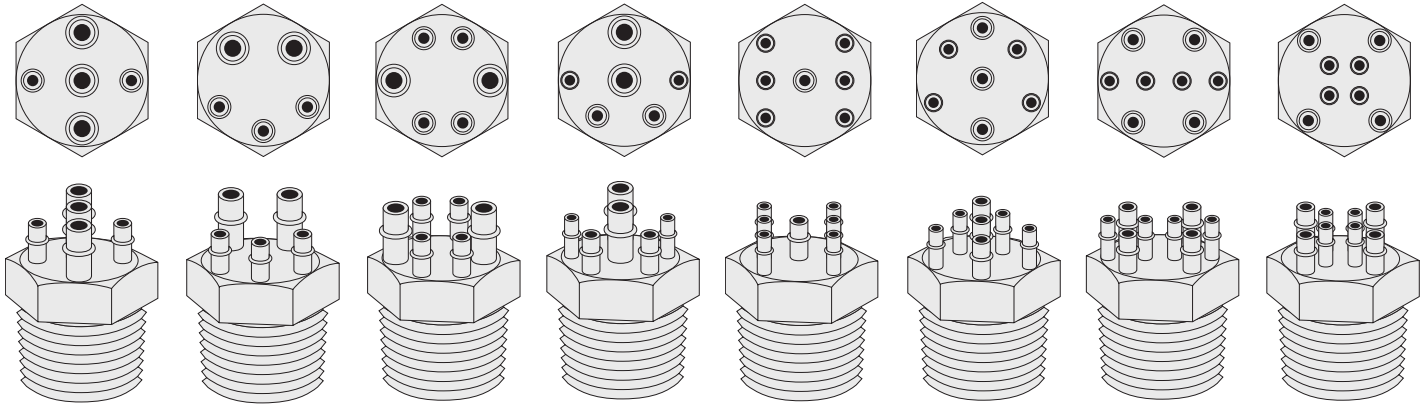
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/16	1	29/32	1 1/16	3/16
5/64 / 2mm	2	29/32	1 1/16	3/16
3/32	2 1/2	29/32	1 1/16	3/16

Use template on page 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!

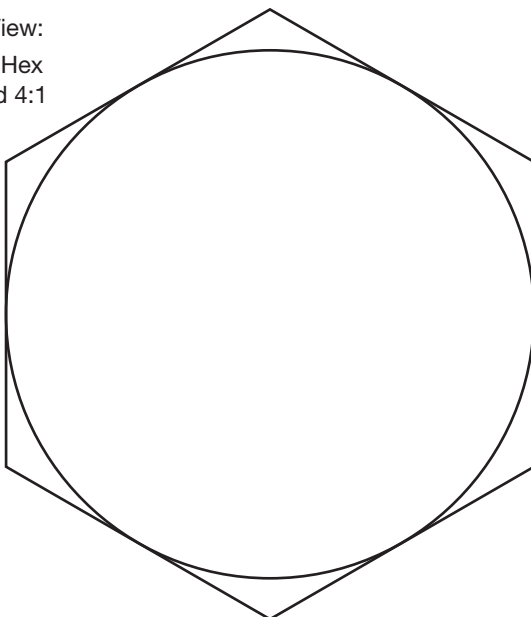
Unless otherwise specified, parts will be Brass. For other materials, the following codes will be added to the end of the part number:
 -SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

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 on the 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.

Top View:
 1 1/16 Hex
 Scaled 4:1



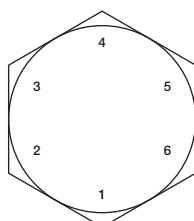
Consult factory for details!

Branch Numbers:

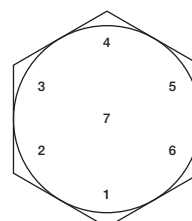
1st Branch (1) = _____ 5th Branch (5) = _____
 2nd Branch (2) = _____ 6th Branch (6) = _____
 3rd Branch (3) = _____ 7th Branch (7) = _____
 4th Branch (4) = _____ 8th Branch (8) = _____

*Part numbers will vary depending on branch configuration

Examples:



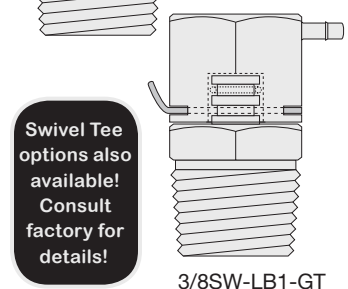
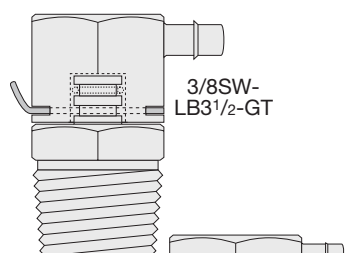
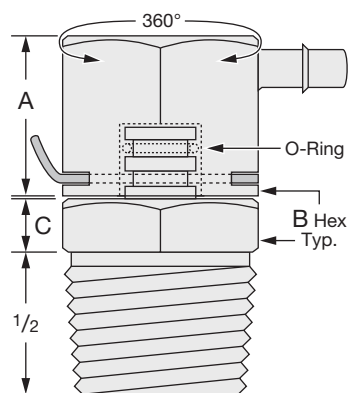
Branch Numbers:
 1st Branch (1) = 3 5th Branch (5) = 1
 2nd Branch (2) = 3 6th Branch (6) = 1
 3rd Branch (3) = 3 7th Branch (7) = n/a
 4th Branch (4) = 2 8th Branch (8) = n/a
 Three #3 Branches (1st, 2nd, 3rd)
 One #1 Branches (4th) Two #1 Branches (5th, 6th)



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)

3/8 NPT Male Thread to Tube Swivel Elbows with Clip Groove

427

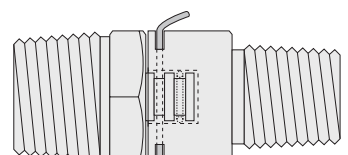
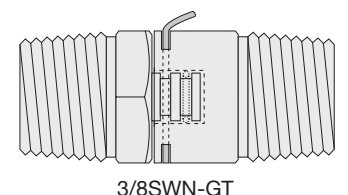
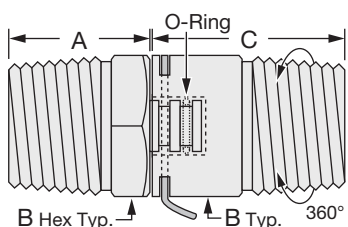


Swivel Tee options also available! Consult factory for details!

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	3/8SW-LB.031-GT	3/8SW-LB.031-GT-SS	3/8SW-LB.031-GT-316SS	3/8SW-LB.031-GT-NP	Consult Factory	Consult Factory	Consult Factory
.040 / 1mm	3/8SW-LB.040-GT	3/8SW-LB.040-GT-SS	3/8SW-LB.040-GT-316SS	3/8SW-LB.040-GT-NP	Consult Factory	Consult Factory	Consult Factory
3/64	3/8SW-LB.045-GT	3/8SW-LB.045-GT-SS	3/8SW-LB.045-GT-316SS	3/8SW-LB.045-GT-NP	Consult Factory	Consult Factory	Consult Factory
.050	3/8SW-LB.050-GT	3/8SW-LB.050-GT-SS	3/8SW-LB.050-GT-316SS	3/8SW-LB.050-GT-NP	Consult Factory	Consult Factory	Consult Factory
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
5/64 / 2mm	3/8SW-LB2-GT	3/8SW-LB2-GT-SS	3/8SW-LB2-GT-316SS	3/8SW-LB2-GT-NP	Consult Factory	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory	Consult Factory
1/8	3/8SW-LB3-GT	3/8SW-LB3-GT-SS	3/8SW-LB3-GT-316SS	3/8SW-LB3-GT-NP	Consult Factory	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory	Consult Factory
.170	3/8SW-LB4-GT	3/8SW-LB4-GT-SS	3/8SW-LB4-GT-316SS	3/8SW-LB4-GT-NP	Consult Factory	Consult Factory	Consult Factory
3/16	3/8SW-LB5-GT	3/8SW-LB5-GT-SS	3/8SW-LB5-GT-316SS	3/8SW-LB5-GT-NP	Consult Factory	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory	Consult Factory
1/4	3/8SW-LB6-GT	3/8SW-LB6-GT-SS	3/8SW-LB6-GT-316SS	3/8SW-LB6-GT-NP	Consult Factory	Consult Factory	Consult Factory
5/16 / 8mm	3/8SW-LB7-GT	3/8SW-LB7-GT-SS	3/8SW-LB7-GT-316SS	3/8SW-LB7-GT-NP	Consult Factory	Consult Factory	Consult Factory
3/8	3/8SW-LB8-GT	3/8SW-LB8-GT-SS	3/8SW-LB8-GT-316SS	3/8SW-LB8-GT-NP	Consult Factory	Consult Factory	Consult Factory
1/2	3/8SW-LB10-GT	3/8SW-LB10-GT-SS	3/8SW-LB10-GT-316SS	3/8SW-LB10-GT-NP	Consult Factory	Consult Factory	Consult Factory

3/8 NPT Male Thread Swivel Nipples and Reducing Swivel Nipples

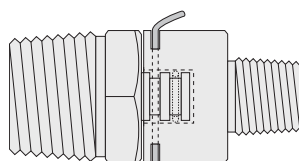
428



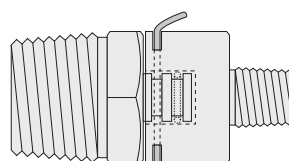
3/8RSWN-1/4-GT

Other Swivel options available through the GT Series! Consult factory for details!

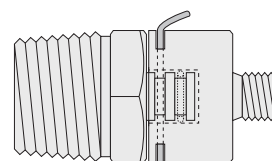
9 O'clock Thread Size	3 O'clock Thread Size	Part Numbers					Dimensions (Reference)		
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
3/8	3/8	3/8SWN-GT	3/8SWN-GT-SS	3/8SWN-GT-316SS	3/8SWN-GT-AL	3/8SWN-GT-NP	Consult Factory	Consult Factory	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	Consult Factory	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory	Consult Factory



3/8RSWN-1/8-GT



3/8RSWN-1/16-GT



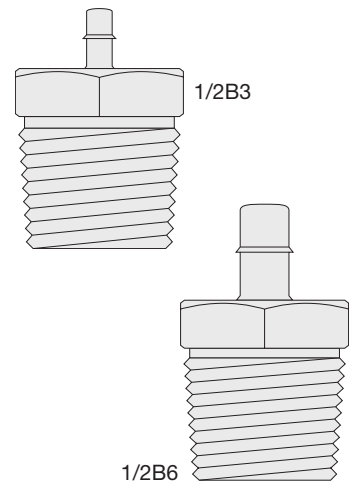
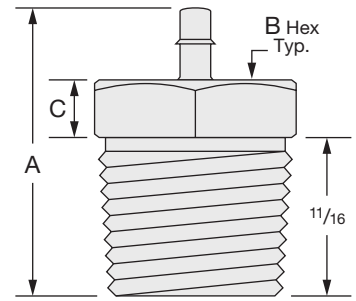
3/8RSWN-4-28-GT

O-Ring options available for parallel threads!

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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 3/32	7/8	1/4
.040 / 1mm	1/2B.040	1/2B.040-SS	1/2B.040-316SS	N/A	1/2B.040-NP	1 3/32	7/8	1/4
3/64	1/2B.045	1/2B.045-SS	1/2B.045-316SS	N/A	1/2B.045-NP	1 3/32	7/8	1/4
.050	1/2B.050	1/2B.050-SS	1/2B.050-316SS	N/A	1/2B.050-NP	1 3/32	7/8	1/4
1/16	1/2B1	1/2B1-SS	1/2B1-316SS	1/2B1-AL	1/2B1-NP	1 5/32	7/8	1/4
5/64 / 2mm	1/2B2	1/2B2-SS	1/2B2-316SS	1/2B2-AL	1/2B2-NP	1 5/32	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 5/32	7/8	1/4
1/8	1/2B3	1/2B3-SS	1/2B3-316SS	1/2B3-AL	1/2B3-NP	1 1/4	7/8	1/4
5/32 / 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 1/4	7/8	1/4
.170	1/2B4	1/2B4-SS	1/2B4-316SS	1/2B4-AL	1/2B4-NP	1 9/32	7/8	1/4
3/16	1/2B5	1/2B5-SS	1/2B5-316SS	1/2B5-AL	1/2B5-NP	1 5/16	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 5/16	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 7/16	7/8	1/4
1/4	1/2B6	1/2B6-SS	1/2B6-316SS	1/2B6-AL	1/2B6-NP	1 7/16	7/8	1/4
5/16 / 8mm	1/2B7	1/2B7-SS	1/2B7-316SS	1/2B7-AL	1/2B7-NP	1 9/16	7/8	1/4
3/8	1/2B8	1/2B8-SS	1/2B8-316SS	1/2B8-AL	1/2B8-NP	1 11/32	7/8	1/4
1/2	1/2B10	1/2B10-SS	1/2B10-316SS	1/2B10-AL	1/2B10-NP	1 11/16	7/8	1/4

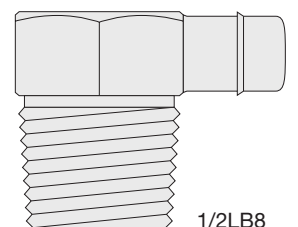
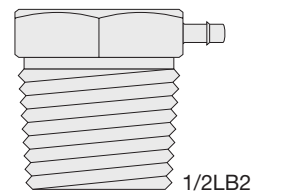
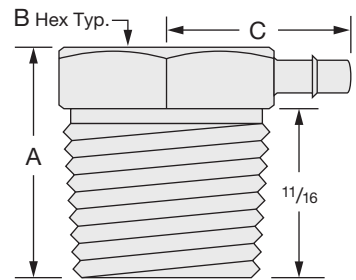


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430

1/2 NPT Male Thread to Tube Elbows

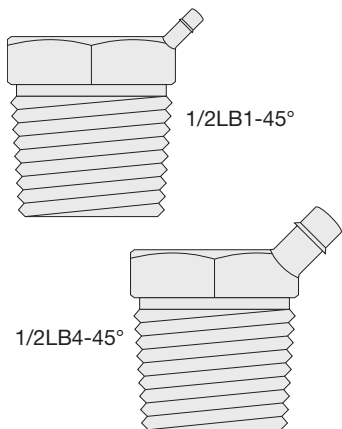
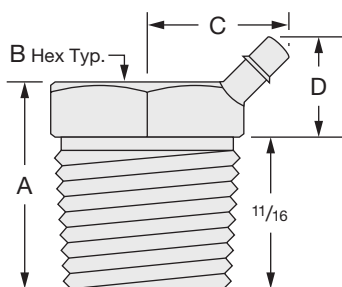
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/2LB.031	1/2LB.031-SS	1/2LB.031-316SS	1/2LB.031-NP	1 5/16	7/8	1 9/32
.040 / 1mm	1/2LB.040	1/2LB.040-SS	1/2LB.040-316SS	1/2LB.040-NP	1 5/16	7/8	1 9/32
3/64	1/2LB.045	1/2LB.045-SS	1/2LB.045-316SS	1/2LB.045-NP	1 5/16	7/8	1 9/32
.050	1/2LB.050	1/2LB.050-SS	1/2LB.050-316SS	1/2LB.050-NP	1 5/16	7/8	1 9/32
1/16	1/2LB1	1/2LB1-SS	1/2LB1-316SS	1/2LB1-NP	1 5/16	7/8	2 1/32
5/64 / 2mm	1/2LB2	1/2LB2-SS	1/2LB2-316SS	1/2LB2-NP	1 5/16	7/8	2 1/32
3/32	1/2LB2 1/2	1/2LB2 1/2-SS	1/2LB2 1/2-316SS	1/2LB2 1/2-NP	1 5/16	7/8	2 1/32
1/8	1/2LB3	1/2LB3-SS	1/2LB3-316SS	1/2LB3-NP	1 5/16	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	1 5/16	7/8	3/4
.170	1/2LB4	1/2LB4-SS	1/2LB4-316SS	1/2LB4-NP	1 5/16	7/8	2 5/32
3/16	1/2LB5	1/2LB5-SS	1/2LB5-316SS	1/2LB5-NP	1 5/16	7/8	1 3/16
7/32	1/2LB5 1/2	1/2LB5 1/2-SS	1/2LB5 1/2-316SS	1/2LB5 1/2-NP	1 5/16	7/8	1 3/16
6mm	1/2LB5 3/4	1/2LB5 3/4-SS	1/2LB5 3/4-316SS	1/2LB5 3/4-NP	1	7/8	1 5/16
1/4	1/2LB6	1/2LB6-SS	1/2LB6-316SS	1/2LB6-NP	1	7/8	1 5/16
5/16 / 8mm	1/2LB7	1/2LB7-SS	1/2LB7-316SS	1/2LB7-NP	1 1/8	7/8	1 1/16
3/8	1/2LB8	1/2LB8-SS	1/2LB8-316SS	1/2LB8-NP	1 1/8	7/8	3 1/32
1/2	1/2LB10	1/2LB10-SS	1/2LB10-316SS	1/2LB10-NP	1 9/32	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

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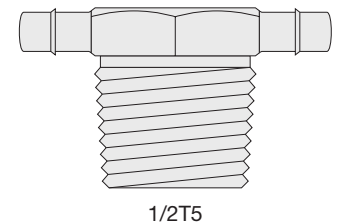
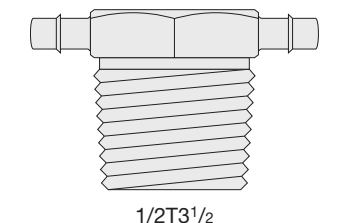
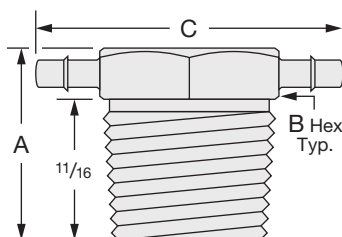


Note: For systems that do not allow the degree symbol (°) to be used, substitute with the designation 'DEG' in the part number.

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	15/16	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	15/16	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	15/16	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	15/16	7/8	Consult Factory	Consult Factory
1/16	1/2LB1-45°	1/2LB1-45°-SS	1/2LB1-45°-316SS	1/2LB1-45°-NP	15/16	7/8	Consult Factory	Consult Factory
5/64 / 2mm	1/2LB2-45°	1/2LB2-45°-SS	1/2LB2-45°-316SS	1/2LB2-45°-NP	15/16	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	15/16	7/8	Consult Factory	Consult Factory
1/8	1/2LB3-45°	1/2LB3-45°-SS	1/2LB3-45°-316SS	1/2LB3-45°-NP	15/16	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	15/16	7/8	Consult Factory	Consult Factory
.170	1/2LB4-45°	1/2LB4-45°-SS	1/2LB4-45°-316SS	1/2LB4-45°-NP	15/16	7/8	Consult Factory	Consult Factory
3/16	1/2LB5-45°	1/2LB5-45°-SS	1/2LB5-45°-316SS	1/2LB5-45°-NP	15/16	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	1	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	1 1/8	7/8	Consult Factory	Consult Factory
1/4	1/2LB6-45°	1/2LB6-45°-SS	1/2LB6-45°-316SS	1/2LB6-45°-NP	1 1/8	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 1/8	7/8	Consult Factory	Consult Factory
3/8	1/2LB8-45°	1/2LB8-45°-SS	1/2LB8-45°-316SS	1/2LB8-45°-NP	1 1/8	7/8	Consult Factory	Consult Factory
1/2	1/2LB10-45°	1/2LB10-45°-SS	1/2LB10-45°-316SS	1/2LB10-45°-NP	1 5/32	7/8	Consult Factory	Consult Factory

1/2 NPT Male Thread to Tube Tees

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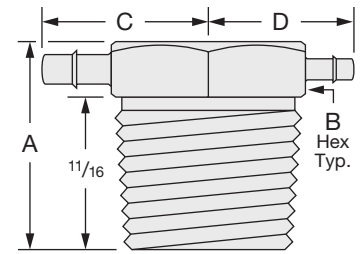
Note: Images are for visual representation only. Dimensions may vary at time of manufacturing. Consult factory for details!

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

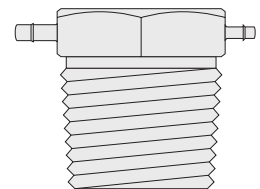
433

1/2 NPT Male Thread to Tube Reducing Tees

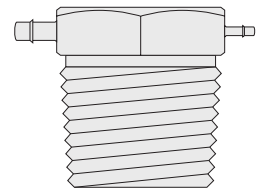
Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
.040 / 1mm	1/32	1/2RT-.040-.031	1/2RT-.040-.031-SS	1/2RT-.040-.031-316SS	1/2RT-.040-.031-NP	15/16	7/8	19/32	19/32
3/64	1/32	1/2RT-.045-.031	1/2RT-.045-.031-SS	1/2RT-.045-.031-316SS	1/2RT-.045-.031-NP	15/16	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	15/16	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	15/16	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	15/16	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	15/16	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	15/16	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	15/16	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	15/16	7/8	21/32	19/32
1/16	.050	1/2RT1-.050	1/2RT1-.050-SS	1/2RT1-.050-316SS	1/2RT1-.050-NP	15/16	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	15/16	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	15/16	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	15/16	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	15/16	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	15/16	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	15/16	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	15/16	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	15/16	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	15/16	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	15/16	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	15/16	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	15/16	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	15/16	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	15/16	7/8	3/4	19/32
1/8	.050	1/2RT3-.050	1/2RT3-.050-SS	1/2RT3-.050-316SS	1/2RT3-.050-NP	15/16	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	15/16	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	15/16	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	15/16	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	15/16	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	15/16	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	15/16	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	15/16	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	15/16	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	15/16	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	15/16	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	15/16	7/8	3/4	3/4



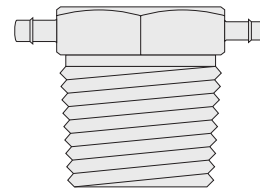
1/2RT-.050-.031



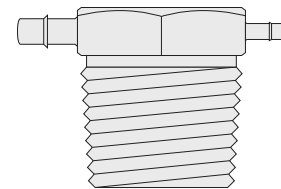
1/2RT1-.045



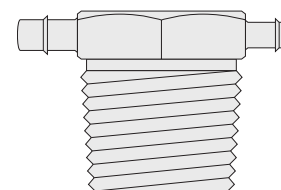
1/2RT2-.040



1/2RT2 1/2-2



1/2RT3-1

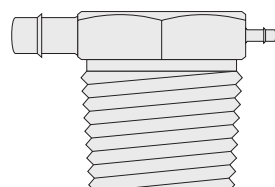
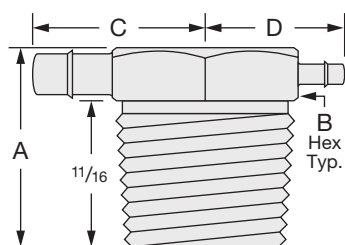


1/2RT3 1/2-3

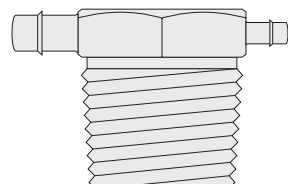
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1/2 NPT Male Thread to Tube Reducing Tees (continued)

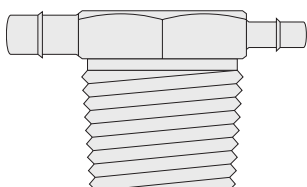
434



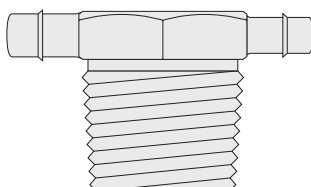
1/2 RT4-.045



1/2 RT4-2 1/2



1/2 RT5-3



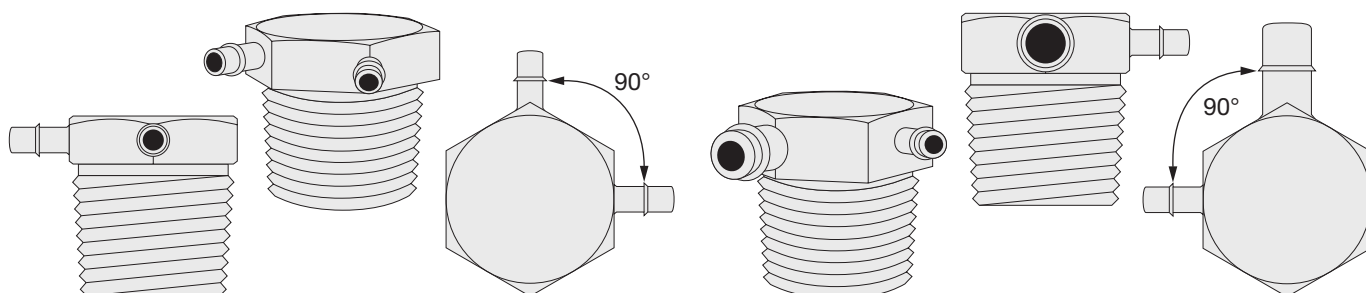
1/2 RT5 1/2-4

Continued on next page

Note: 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	15/16	7/8	25/32	19/32
.170	.040 / 1mm	1/2RT4-.040	1/2RT4-.040-SS	1/2RT4-.040-316SS	1/2RT4-.040-NP	15/16	7/8	25/32	19/32
.170	3/64	1/2RT4-.045	1/2RT4-.045-SS	1/2RT4-.045-316SS	1/2RT4-.045-NP	15/16	7/8	25/32	19/32
.170	.050	1/2RT4-.050	1/2RT4-.050-SS	1/2RT4-.050-316SS	1/2RT4-.050-NP	15/16	7/8	25/32	19/32
.170	1/16	1/2RT4-1	1/2RT4-1-SS	1/2RT4-1-316SS	1/2RT4-1-NP	15/16	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	15/16	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	15/16	7/8	25/32	21/32
.170	1/8	1/2RT4-3	1/2RT4-3-SS	1/2RT4-3-316SS	1/2RT4-3-NP	15/16	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	15/16	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	15/16	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	15/16	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	15/16	7/8	13/16	19/32
3/16	.050	1/2RT5-.050	1/2RT5-.050-SS	1/2RT5-.050-316SS	1/2RT5-.050-NP	15/16	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	15/16	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	15/16	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	15/16	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	15/16	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	15/16	7/8	13/16	3/4
3/16	.170	1/2RT5-4	1/2RT5-4-SS	1/2RT5-4-316SS	1/2RT5-4-NP	15/16	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	15/16	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	15/16	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	15/16	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	15/16	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	15/16	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	15/16	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	15/16	7/8	13/16	13/16

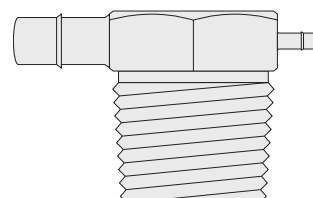
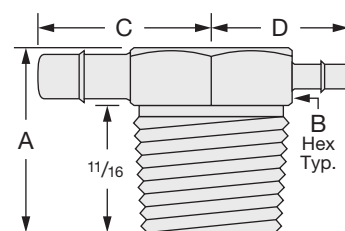
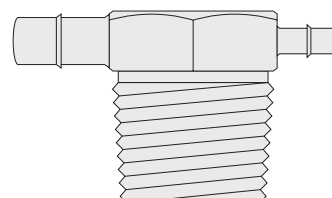
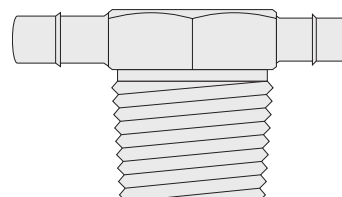
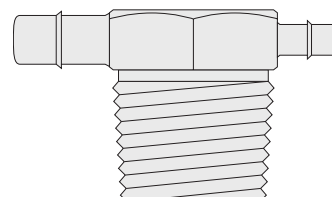
1/2 NPT Male Thread Tees and Reducing Tees are available with 90° branches! Consult factory for details!



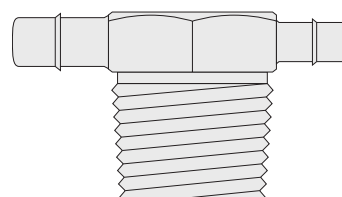
435

1/2 NPT Male Thread to Tube Reducing Tees (continued)

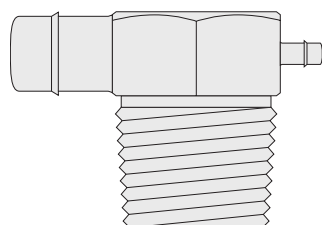
Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
6mm	1/16	1/2RT5 ³ / ₄ -1	1/2RT5 ³ / ₄ -1-SS	1/2RT5 ³ / ₄ -1-316SS	1/2RT5 ³ / ₄ -1-NP	1	7/8	15/16	21/32
6mm	5/64 / 2mm	1/2RT5 ³ / ₄ -2	1/2RT5 ³ / ₄ -2-SS	1/2RT5 ³ / ₄ -2-316SS	1/2RT5 ³ / ₄ -2-NP	1	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	1	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	1	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	1	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	1	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	1	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	1	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	1	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	1	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	1	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	1	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	1	7/8	15/16	3/4
1/4	.170	1/2RT6-4	1/2RT6-4-SS	1/2RT6-4-316SS	1/2RT6-4-NP	1	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	1	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	1	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	1	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 1/8	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 1/8	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 1/8	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 1/8	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 1/8	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 1/8	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 1/8	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 1/8	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 1/8	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 1/8	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 1/8	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 1/8	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 1/8	7/8	31/32	21/32


1/2RT5³/₄-1

1/2RT5³/₄-3

1/2RT5³/₄-5 1/2


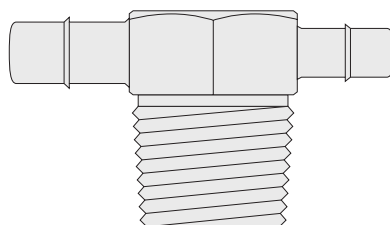
1/2RT6-3 1/2



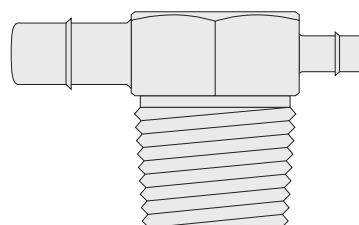
1/2RT6-5



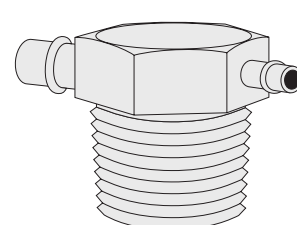
1/2RT8-2 1/2



1/2RT7-6



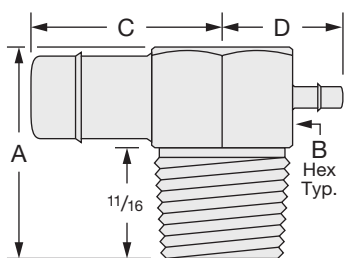
1/2RT7-4



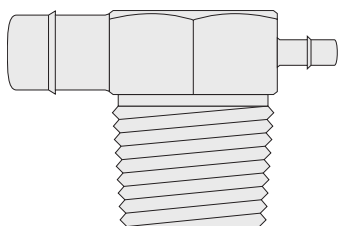
Continued on next page

1/2 NPT Male Thread to Tube Reducing Tees (continued)

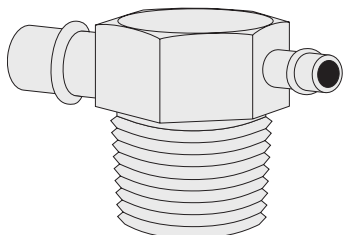
436



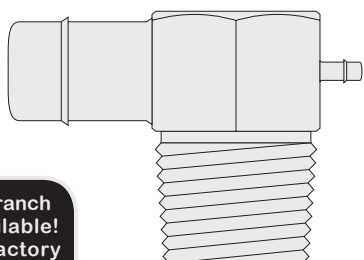
1/2RT8-3



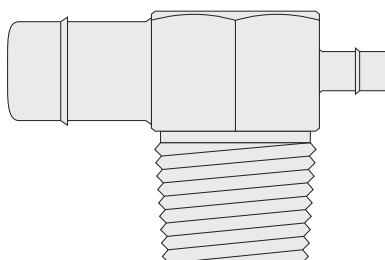
1/2RT8-4



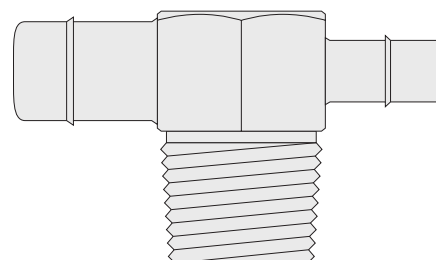
Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
3/8	1/8	1/2RT8-3	1/2RT8-3-SS	1/2RT8-3-316SS	1/2RT8-3-NP	1 1/8	7/8	3 1/32	3/4
3/8	5/32 / 4mm	1/2RT8-3 1/2	1/2RT8-3 1/2-SS	1/2RT8-3 1/2-316SS	1/2RT8-3 1/2-NP	1 1/8	7/8	3 1/32	3/4
3/8	.170	1/2RT8-4	1/2RT8-4-SS	1/2RT8-4-316SS	1/2RT8-4-NP	1 1/8	7/8	3 1/32	25/32
3/8	3/16	1/2RT8-5	1/2RT8-5-SS	1/2RT8-5-316SS	1/2RT8-5-NP	1 1/8	7/8	3 1/32	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 1/8	7/8	3 1/32	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 1/8	7/8	3 1/32	15/16
3/8	1/4	1/2RT8-6	1/2RT8-6-SS	1/2RT8-6-316SS	1/2RT8-6-NP	1 1/8	7/8	3 1/32	15/16
3/8	5/16 / 8mm	1/2RT8-7	1/2RT8-7-SS	1/2RT8-7-316SS	1/2RT8-7-NP	1 1/8	7/8	3 1/32	1 1/16
1/2	1/16	1/2RT10-1	1/2RT10-1-SS	1/2RT10-1-316SS	1/2RT10-1-NP	1 3/32	7/8	1 3/16	2 1/32
1/2	5/64 / 2mm	1/2RT10-2	1/2RT10-2-SS	1/2RT10-2-316SS	1/2RT10-2-NP	1 3/32	7/8	1 3/16	2 1/32
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 3/32	7/8	1 3/16	2 1/32
1/2	1/8	1/2RT10-3	1/2RT10-3-SS	1/2RT10-3-316SS	1/2RT10-3-NP	1 3/32	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 3/32	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 3/32	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 3/32	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 3/32	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 3/32	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 3/32	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 3/32	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 3/32	7/8	1 3/16	3 1/32



1/2RT10-2



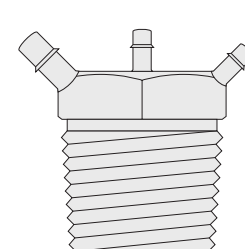
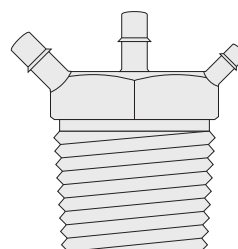
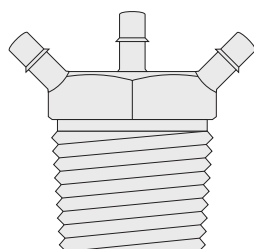
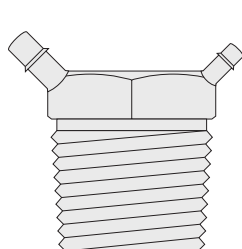
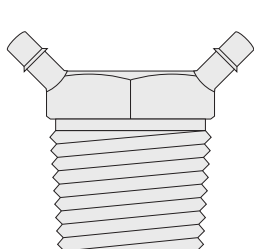
1/2RT10-5



1/2RT10-7

Larger branch sizes available! Consult factory for details!

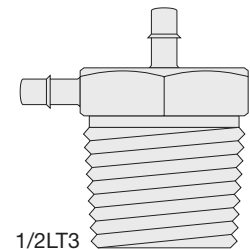
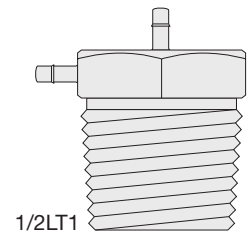
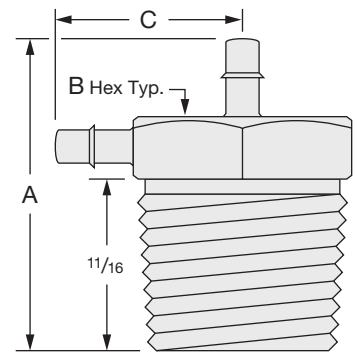
Custom 1/2 NPT Male Thread Fittings available! Lead times and minimum quantities apply! Consult factory for details!



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1/2 NPT Male 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	1/2LT.031	1/2LT.031-SS	1/2LT.031-316SS	1/2LT.031-NP	1 3/32	7/8	19 3/32
.040 / 1mm	1/2LT.040	1/2LT.040-SS	1/2LT.040-316SS	1/2LT.040-NP	1 3/32	7/8	19 3/32
3/64	1/2LT.045	1/2LT.045-SS	1/2LT.045-316SS	1/2LT.045-NP	1 3/32	7/8	19 3/32
.050	1/2LT.050	1/2LT.050-SS	1/2LT.050-316SS	1/2LT.050-NP	1 3/32	7/8	19 3/32
1/16	1/2LT1	1/2LT1-SS	1/2LT1-316SS	1/2LT1-NP	1 5/32	7/8	21 3/32
5/64 / 2mm	1/2LT2	1/2LT2-SS	1/2LT2-316SS	1/2LT2-NP	1 5/32	7/8	21 3/32
3/32	1/2LT2 1/2	1/2LT2 1/2-SS	1/2LT2 1/2-316SS	1/2LT2 1/2-NP	1 5/32	7/8	21 3/32
1/8	1/2LT3	1/2LT3-SS	1/2LT3-316SS	1/2LT3-NP	1 1/4	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 1/4	7/8	3/4
.170	1/2LT4	1/2LT4-SS	1/2LT4-316SS	1/2LT4-NP	1 9/32	7/8	25 3/32
3/16	1/2LT5	1/2LT5-SS	1/2LT5-316SS	1/2LT5-NP	1 5/16	7/8	13 1/16
7/32	1/2LT5 1/2	1/2LT5 1/2-SS	1/2LT5 1/2-316SS	1/2LT5 1/2-NP	1 5/16	7/8	13 1/16
6mm	1/2LT5 3/4	1/2LT5 3/4-SS	1/2LT5 3/4-316SS	1/2LT5 3/4-NP	1 1/2	7/8	15 1/16
1/4	1/2LT6	1/2LT6-SS	1/2LT6-316SS	1/2LT6-NP	1 1/2	7/8	15 1/16
5/16 / 8mm	1/2LT7	1/2LT7-SS	1/2LT7-316SS	1/2LT7-NP	1 3/4	7/8	1 1/16
3/8	1/2LT8	1/2LT8-SS	1/2LT8-316SS	1/2LT8-NP	1 21/32	7/8	3 1/32
1/2	1/2LT10	1/2LT10-SS	1/2LT10-316SS	1/2LT10-NP	1 15/16	7/8	13 1/16

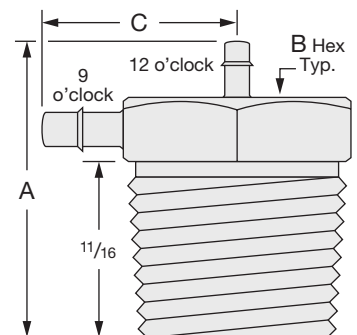


P

438

1/2 NPT Male Thread to Tube Reducing L-Tees

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Dia.	C Ref.
1/32	.031	Consult Factory	7/8	19 3/32
.040 / 1mm	.040		7/8	19 3/32
3/64	.045		7/8	19 3/32
.050	.050		7/8	19 3/32
1/16	1		7/8	21 3/32
5/64 / 2mm	2	Consult Factory	7/8	21 3/32
3/32	2 1/2		7/8	21 3/32
1/8	3		7/8	3/4
5/32 / 4mm	3 1/2		7/8	3/4
.170	4		7/8	25 3/32
3/16	5	Consult Factory	7/8	13 1/16
7/32	5 1/2		7/8	13 1/16
6mm	5 3/4		7/8	15 1/16
1/4	6		7/8	15 1/16
5/16 / 8mm	7		7/8	1 1/16
3/8	8	Consult Factory	7/8	3 1/32
1/2	10		7/8	13 1/16

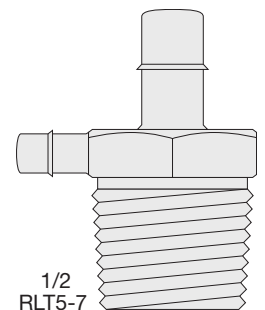
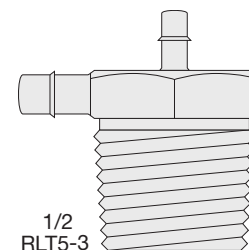
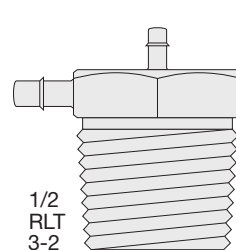
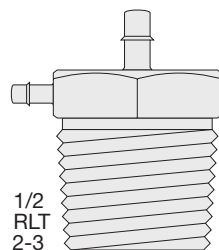


Unless otherwise specified, parts will be Brass. For other materials, add the following codes to the part number:

-SS =
Stainless Steel 303

-316SS =
Stainless Steel 316

-NP =
Electroless Nickel Plate



Part Numbers for 1/2 Male Thread to Tube Reducing L-Tees:

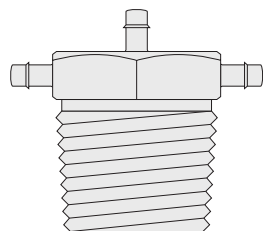
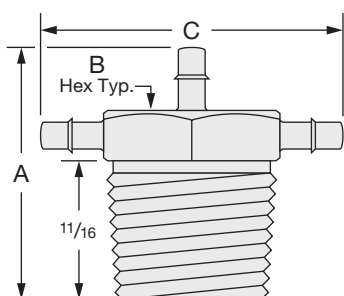


Larger branch sizes available!
Consult factory for details!

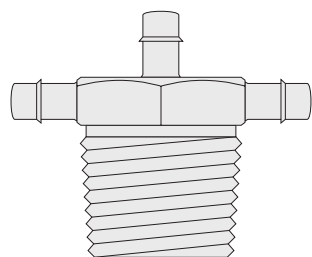
Note: Dimensions may vary at time of manufacturing.

1/2 NPT Male Thread to Tube Tees x 3

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1/2T2 1/2x3

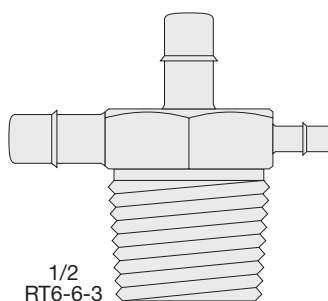
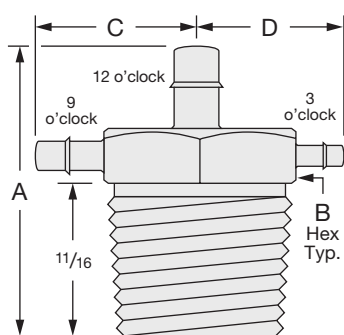
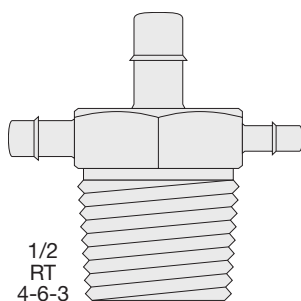
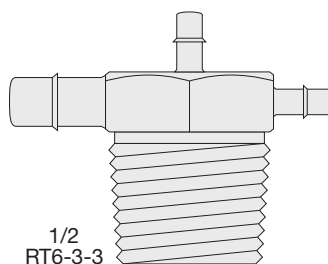
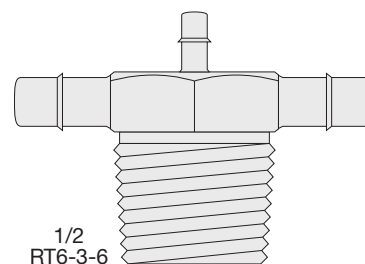


1/2T4x3

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 3/32	7/8	1 3/16
.040 / 1mm	1/2T.040x3	1/2T.040x3-SS	1/2T.040x3-316SS	1/2T.040x3-NP	1 3/32	7/8	1 3/16
3/64	1/2T.045x3	1/2T.045x3-SS	1/2T.045x3-316SS	1/2T.045x3-NP	1 3/32	7/8	1 3/16
.050	1/2T.050x3	1/2T.050x3-SS	1/2T.050x3-316SS	1/2T.050x3-NP	1 3/32	7/8	1 3/16
1/16	1/2T1x3	1/2T1x3-SS	1/2T1x3-316SS	1/2T1x3-NP	1 5/32	7/8	1 5/16
5/64 / 2mm	1/2T2x3	1/2T2x3-SS	1/2T2x3-316SS	1/2T2x3-NP	1 5/32	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 5/32	7/8	1 5/16
1/8	1/2T3x3	1/2T3x3-SS	1/2T3x3-316SS	1/2T3x3-NP	1 1/4	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 1/4	7/8	1 1/2
.170	1/2T4x3	1/2T4x3-SS	1/2T4x3-316SS	1/2T4x3-NP	1 9/32	7/8	1 9/16
3/16	1/2T5x3	1/2T5x3-SS	1/2T5x3-316SS	1/2T5x3-NP	1 5/16	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 5/16	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 1/2	7/8	1 7/8
1/4	1/2T6x3	1/2T6x3-SS	1/2T6x3-316SS	1/2T6x3-NP	1 1/2	7/8	1 7/8
5/16 / 8mm	1/2T7x3	1/2T7x3-SS	1/2T7x3-316SS	1/2T7x3-NP	1 3/4	7/8	2 1/8
3/8	1/2T8x3	1/2T8x3-SS	1/2T8x3-316SS	1/2T8x3-NP	1 21/32	7/8	1 15/16
1/2	1/2T10x3	1/2T10x3-SS	1/2T10x3-316SS	1/2T10x3-NP	1 15/16	7/8	2 3/8

1/2 NPT Male Thread to Tube Reducing Tees x 3

440


1/2
RT6-6-3

1/2
RT
4-6-3

1/2
RT6-3-3

1/2
RT6-3-6

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Dia.	C Ref.
1/32	.031	Consult Factory	7/8	1 9/32
.040 / 1mm	.040		7/8	1 9/32
3/64	.045		7/8	1 9/32
.050	.050		7/8	1 9/32
1/16	1		7/8	2 1/32
5/64 / 2mm	2	Consult Factory	7/8	2 1/32
3/32	2 1/2		7/8	2 1/32
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	Consult Factory	7/8	13/16
7/32	5 1/2		7/8	13/16
6mm	5 3/4		7/8	15/16
1/4	6		7/8	15/16
5/16 / 8mm	7		7/8	1 1/16
3/8	8	Consult Factory	7/8	31/32
1/2	10		7/8	13/16

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

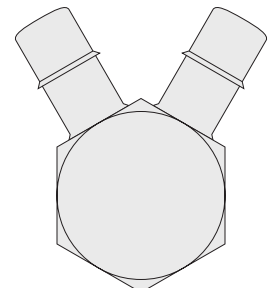
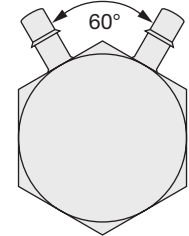
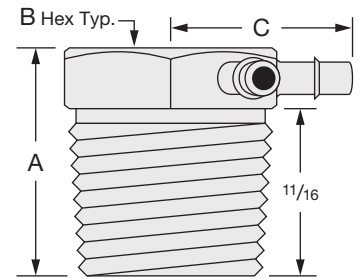
Part Numbers for 1/2 Male Thread to Tube Reducing Tees x 3:

Thread Size	1/2	RT	#	-	#	-	#	3 O'clock Branch #
Fitting Series			9 O'clock Branch #		12 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	15/16	7/8	19/32
.040 / 1mm	1/2VT.040	1/2VT.040-SS	1/2VT.040-316SS	1/2VT.040-NP	15/16	7/8	19/32
3/64	1/2VT.045	1/2VT.045-SS	1/2VT.045-316SS	1/2VT.045-NP	15/16	7/8	19/32
.050	1/2VT.050	1/2VT.050-SS	1/2VT.050-316SS	1/2VT.050-NP	15/16	7/8	19/32
1/16	1/2VT1	1/2VT1-SS	1/2VT1-316SS	1/2VT1-NP	15/16	7/8	21/32
5/64 / 2mm	1/2VT2	1/2VT2-SS	1/2VT2-316SS	1/2VT2-NP	15/16	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	15/16	7/8	21/32
1/8	1/2VT3	1/2VT3-SS	1/2VT3-316SS	1/2VT3-NP	15/16	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	15/16	7/8	3/4
.170	1/2VT4	1/2VT4-SS	1/2VT4-316SS	1/2VT4-NP	15/16	7/8	25/32
3/16	1/2VT5	1/2VT5-SS	1/2VT5-316SS	1/2VT5-NP	15/16	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	15/16	7/8	13/16
6mm	1/2VT5 3/4	1/2VT5 3/4-SS	1/2VT5 3/4-316SS	1/2VT5 3/4-NP	1	7/8	15/16
1/4	1/2VT6	1/2VT6-SS	1/2VT6-316SS	1/2VT6-NP	1	7/8	15/16
5/16 / 8mm	1/2VT7	1/2VT7-SS	1/2VT7-316SS	1/2VT7-NP	1 1/8	7/8	1 1/16
3/8	1/2VT8	1/2VT8-SS	1/2VT8-316SS	1/2VT8-NP	1 1/8	7/8	31/32
1/2	1/2VT10	1/2VT10-SS	1/2VT10-316SS	1/2VT10-NP	1 9/32	7/8	1 3/16



1/2VT7

Note: Dimensions may vary at time of manufacturing.

P

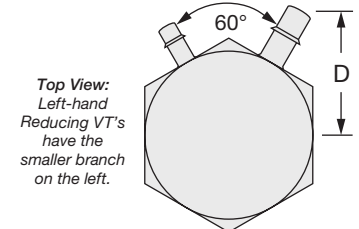
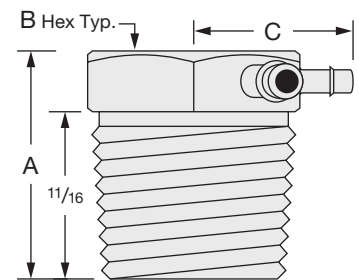
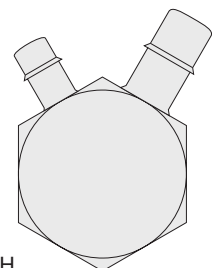
442

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	15/16	7/8	19/32	19/32
.040 / 1mm	.040	15/16	7/8	19/32	19/32
3/64	.045	15/16	7/8	19/32	19/32
.050	.050	15/16	7/8	19/32	19/32
1/16	1	15/16	7/8	21/32	21/32
5/64 / 2mm	2	15/16	7/8	21/32	21/32
3/32	2 1/2	15/16	7/8	21/32	21/32
1/8	3	15/16	7/8	3/4	3/4
5/32 / 4mm	3 1/2	15/16	7/8	3/4	3/4

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
.170	4	15/16	7/8	25/32	25/32
3/16	5	15/16	7/8	13/16	13/16
7/32	5 1/2	15/16	7/8	13/16	13/16
6mm	5 3/4	1	7/8	15/16	15/16
1/4	6	1	7/8	15/16	15/16
5/16 / 8mm	7	1 1/8	7/8	1 1/16	1 1/16
3/8	8	1 1/8	7/8	31/32	31/32
1/2	10	1 9/32	7/8	13/16	13/16

Larger branch sizes available! Consult factory!


Top View:
Left-hand
Reducing VT's
have the
smaller branch
on the left.


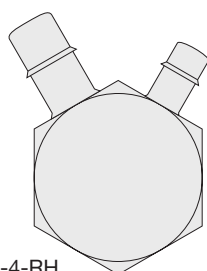
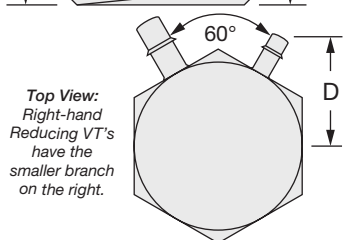
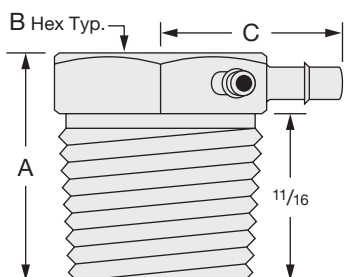
1/2RVT6-4-LH

Part Numbers for 1/2 NPT Male Thread to Tube Left-Hand Reducing V-Tees:


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

1/2 NPT Male Thread to Tube Right-Hand Reducing V-Tees

443



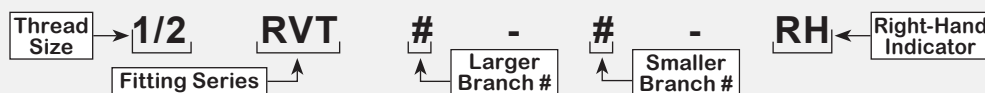
1/2RVT6-4-RH

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	15/16	7/8	19/32	19/32
.040 / 1mm	.040	15/16	7/8	19/32	19/32
3/64	.045	15/16	7/8	19/32	19/32
.050	.050	15/16	7/8	19/32	19/32
1/16	1	15/16	7/8	21/32	21/32
5/64 / 2mm	2	15/16	7/8	21/32	21/32
3/32	2 1/2	15/16	7/8	21/32	21/32
1/8	3	15/16	7/8	3/4	3/4
5/32 / 4mm	3 1/2	15/16	7/8	3/4	3/4

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
.170	4	15/16	7/8	25/32	25/32
3/16	5	15/16	7/8	13/16	13/16
7/32	5 1/2	15/16	7/8	13/16	13/16
6mm	5 3/4	1	7/8	15/16	15/16
1/4	6	1	7/8	15/16	15/16
5/16 / 8mm	7	1 1/8	7/8	1 1/16	1 1/16
3/8	8	1 1/8	7/8	31/32	31/32
1/2	10	1 9/32	7/8	13/16	13/16

Larger branch sizes available! Consult factory!

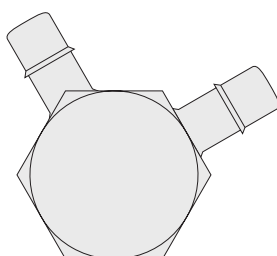
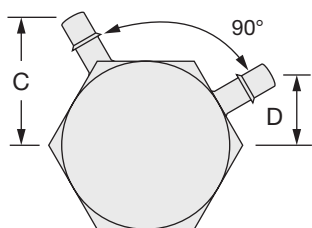
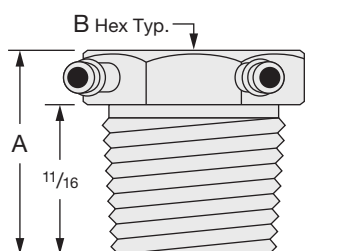
Part Numbers for 1/2 NPT Male Thread to Tube Right-Hand Reducing V-Tees:



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

1/2 NPT Male Thread to Tube 90° V-Tees

444



1/2VT6-90°

Tube ID	Part Numbers				Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/32	1/2VT.031-90°	1/2VT.031-90°-SS	1/2VT.031-90°-316SS	1/2VT.031-90°-NP	15/16	7/8		19/32
.040 / 1mm	1/2VT.040-90°	1/2VT.040-90°-SS	1/2VT.040-90°-316SS	1/2VT.040-90°-NP	15/16	7/8		19/32
3/64	1/2VT.045-90°	1/2VT.045-90°-SS	1/2VT.045-90°-316SS	1/2VT.045-90°-NP	15/16	7/8		19/32
.050	1/2VT.050-90°	1/2VT.050-90°-SS	1/2VT.050-90°-316SS	1/2VT.050-90°-NP	15/16	7/8		19/32
1/16	1/2VT1-90°	1/2VT1-90°-SS	1/2VT1-90°-316SS	1/2VT1-90°-NP	15/16	7/8		21/32
5/64 / 2mm	1/2VT2-90°	1/2VT2-90°-SS	1/2VT2-90°-316SS	1/2VT2-90°-NP	15/16	7/8		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	15/16	7/8		21/32
1/8	1/2VT3-90°	1/2VT3-90°-SS	1/2VT3-90°-316SS	1/2VT3-90°-NP	15/16	7/8		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	15/16	7/8		3/4
.170	1/2VT4-90°	1/2VT4-90°-SS	1/2VT4-90°-316SS	1/2VT4-90°-NP	15/16	7/8		25/32
3/16	1/2VT5-90°	1/2VT5-90°-SS	1/2VT5-90°-316SS	1/2VT5-90°-NP	15/16	7/8		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	15/16	7/8		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	1	7/8		15/16
1/4	1/2VT6-90°	1/2VT6-90°-SS	1/2VT6-90°-316SS	1/2VT6-90°-NP	1	7/8		15/16
5/16 / 8mm	1/2VT7-90°	1/2VT7-90°-SS	1/2VT7-90°-316SS	1/2VT7-90°-NP	1 1/8	7/8		1 1/16
3/8	1/2VT8-90°	1/2VT8-90°-SS	1/2VT8-90°-316SS	1/2VT8-90°-NP	1 1/8	7/8		31/32
1/2	1/2VT10-90°	1/2VT10-90°-SS	1/2VT10-90°-316SS	1/2VT10-90°-NP	1 9/32	7/8		13/16

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

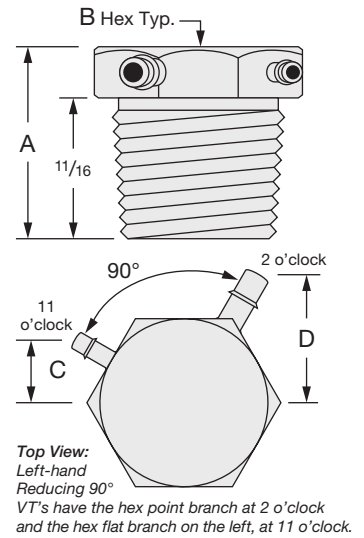
445

1/2 NPT Male Thread to Tube Reducing Left-Hand 90° V-Tees

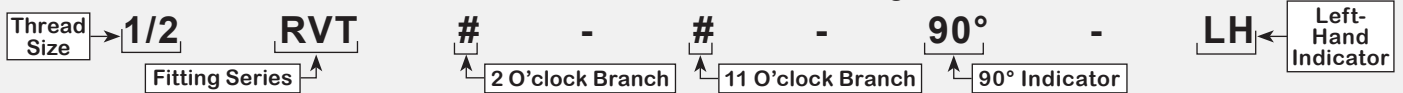
Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	15/16	7/8	19/32	Consult Factory Consult Factory
.040 / 1mm	.040	15/16	7/8	19/32	
3/64	.045	15/16	7/8	19/32	
.050	.050	15/16	7/8	19/32	
1/16	1	15/16	7/8	21/32	
5/64 / 2mm	2	15/16	7/8	21/32	
3/32	2 1/2	15/16	7/8	21/32	
1/8	3	15/16	7/8	3/4	
5/32 / 4mm	3 1/2	15/16	7/8	3/4	

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
.170	4	15/16	7/8	25/32	Consult Factory
3/16	5	15/16	7/8	13/16	
7/32	5 1/2	15/16	7/8	13/16	
6mm	5 3/4	1	7/8	15/16	
1/4	6	1	7/8	15/16	
5/16 / 8mm	7	1 1/8	7/8	1 1/16	
3/8	8	1 1/8	7/8	31/32	
1/2	10	1 9/32	7/8	13/16	

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 90° V-Tees:



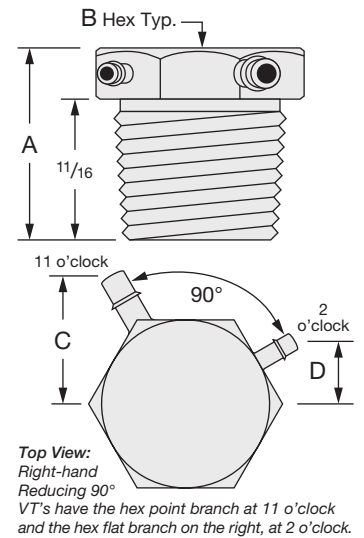
446

1/2 NPT Male Thread to Tube Reducing Right-Hand 90° V-Tees

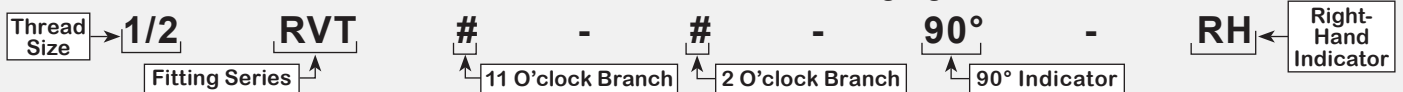
Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	15/16	7/8	19/32	Consult Factory Consult Factory
.040 / 1mm	.040	15/16	7/8	19/32	
3/64	.045	15/16	7/8	19/32	
.050	.050	15/16	7/8	19/32	
1/16	1	15/16	7/8	21/32	
5/64 / 2mm	2	15/16	7/8	21/32	
3/32	2 1/2	15/16	7/8	21/32	
1/8	3	15/16	7/8	3/4	
5/32 / 4mm	3 1/2	15/16	7/8	3/4	

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
.170	4	15/16	7/8	25/32	Consult Factory
3/16	5	15/16	7/8	13/16	
7/32	5 1/2	15/16	7/8	13/16	
6mm	5 3/4	1	7/8	15/16	
1/4	6	1	7/8	15/16	
5/16 / 8mm	7	1 1/8	7/8	1 1/16	
3/8	8	1 1/8	7/8	31/32	
1/2	10	1 9/32	7/8	13/16	

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

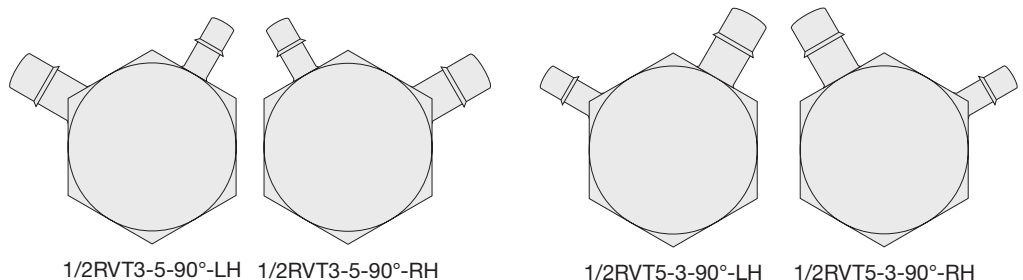


Part Numbers for 1/2 NPT Male Thread to Tube Reducing Right-Hand 90° V-Tees:



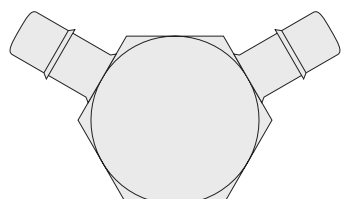
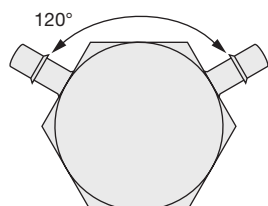
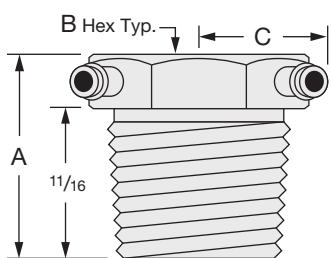
Unless otherwise specified, parts will be Brass. For other materials, add the following codes to the part number:

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



1/2 NPT Male Thread to Tube 120° V-Tees

447



1/2VT6-120°

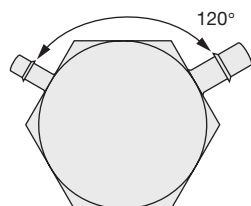
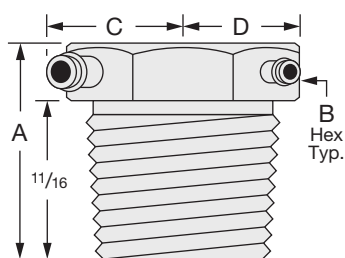
Larger branch sizes available!
Consult factory for details!

Note: For systems that don't allow the use of degree (°) symbol, substitute 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	15/16	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	15/16	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	15/16	7/8	19/32
.050	1/2VT.050-120°	1/2VT.050-120°-SS	1/2VT.050-120°-316SS	1/2VT.050-120°-NP	15/16	7/8	19/32
1/16	1/2VT1-120°	1/2VT1-120°-SS	1/2VT1-120°-316SS	1/2VT1-120°-NP	15/16	7/8	21/32
5/64 / 2mm	1/2VT2-120°	1/2VT2-120°-SS	1/2VT2-120°-316SS	1/2VT2-120°-NP	15/16	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	15/16	7/8	21/32
1/8	1/2VT3-120°	1/2VT3-120°-SS	1/2VT3-120°-316SS	1/2VT3-120°-NP	15/16	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	15/16	7/8	3/4
.170	1/2VT4-120°	1/2VT4-120°-SS	1/2VT4-120°-316SS	1/2VT4-120°-NP	15/16	7/8	25/32
3/16	1/2VT5-120°	1/2VT5-120°-SS	1/2VT5-120°-316SS	1/2VT5-120°-NP	15/16	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	15/16	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	1	7/8	15/16
1/4	1/2VT6-120°	1/2VT6-120°-SS	1/2VT6-120°-316SS	1/2VT6-120°-NP	1	7/8	15/16
5/16 / 8mm	1/2VT7-120°	1/2VT7-120°-SS	1/2VT7-120°-316SS	1/2VT7-120°-NP	1 1/8	7/8	1 1/16
3/8	1/2VT8-120°	1/2VT8-120°-SS	1/2VT8-120°-316SS	1/2VT8-120°-NP	1 1/8	7/8	31/32
1/2	1/2VT10-120°	1/2VT10-120°-SS	1/2VT10-120°-316SS	1/2VT10-120°-NP	1 3/32	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° VT's 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	15/16	7/8	19/32	19/32
.040 / 1mm	.040	15/16	7/8	19/32	19/32
3/64	.045	15/16	7/8	19/32	19/32
.050	.050	15/16	7/8	19/32	19/32
1/16	1	15/16	7/8	21/32	21/32
5/64 / 2mm	2	15/16	7/8	21/32	21/32
3/32	2 1/2	15/16	7/8	21/32	21/32
1/8	3	15/16	7/8	3/4	3/4
5/32 / 4mm	3 1/2	15/16	7/8	3/4	3/4

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
.170	4	15/16	7/8	25/32	25/32
3/16	5	15/16	7/8	13/16	13/16
7/32	5 1/2	1	7/8	13/16	13/16
6mm	5 3/4	1	7/8	15/16	15/16
1/4	6	1	7/8	15/16	15/16
5/16 / 8mm	7	1 1/8	7/8	1 1/16	1 1/16
3/8	8	1 1/8	7/8	31/32	31/32
1/2	10	1 3/32	7/8	13/16	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
Fitting Series			Larger Branch #		Smaller Branch #		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

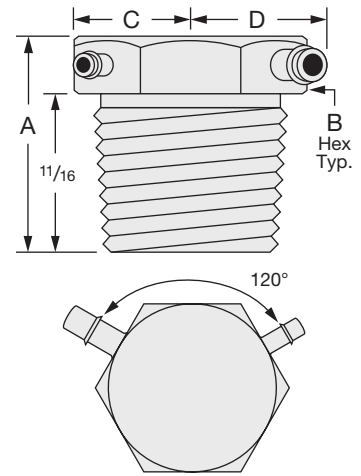
449

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	15/16	7/8	25/32	19/32
.040 / 1mm	.040	15/16	7/8	19/32	19/32
3/64	.045	15/16	7/8	19/32	19/32
.050	.050	15/16	7/8	19/32	19/32
1/16	1	15/16	7/8	21/32	21/32
5/64 / 2mm	2	15/16	7/8	21/32	21/32
3/32	2 1/2	15/16	7/8	21/32	21/32
1/8	3	15/16	7/8	3/4	3/4
5/32 / 4mm	3 1/2	15/16	7/8	3/4	3/4

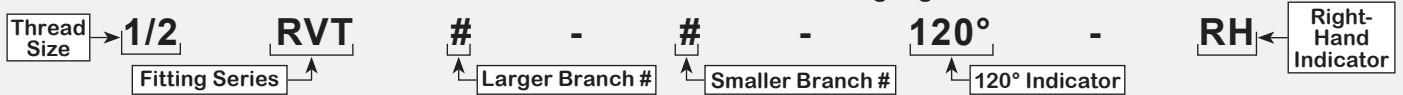
Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
.170	4	15/16	7/8	25/32	25/32
3/16	5	15/16	7/8	13/16	13/16
7/32	5 1/2	1	7/8	13/16	13/16
6mm	5 3/4	1	7/8	15/16	15/16
1/4	6	1	7/8	15/16	15/16
5/16 / 8mm	7	1 1/8	7/8	1 1/16	1 1/16
3/8	8	1 1/8	7/8	31/32	31/32
1/2	10	1 9/32	7/8	13/16	13/16

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° VT's have the smaller branch on the right.

Part Numbers for 1/2 NPT Male Thread to Tube Reducing Right-Hand 120° V-Tees:

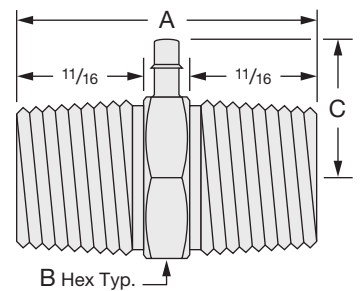


P

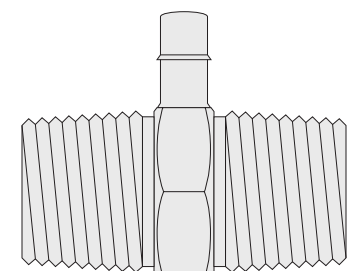
450

1/2 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	1/2HN-T.031	1/2HN-T.031-SS	1/2HN-T.031-316SS	1/2HN-T.031-NP	15/8	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	15/8	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	15/8	7/8	19/32
.050	1/2HN-T.050	1/2HN-T.050-SS	1/2HN-T.050-316SS	1/2HN-T.050-NP	15/8	7/8	19/32
1/16	1/2HN-T1	1/2HN-T1-SS	1/2HN-T1-316SS	1/2HN-T1-NP	15/8	7/8	21/32
5/64 / 2mm	1/2HN-T2	1/2HN-T2-SS	1/2HN-T2-316SS	1/2HN-T2-NP	15/8	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	15/8	7/8	21/32
1/8	1/2HN-T3	1/2HN-T3-SS	1/2HN-T3-316SS	1/2HN-T3-NP	15/8	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	15/8	7/8	3/4
.170	1/2HN-T4	1/2HN-T4-SS	1/2HN-T4-316SS	1/2HN-T4-NP	15/8	7/8	25/32
3/16	1/2HN-T5	1/2HN-T5-SS	1/2HN-T5-316SS	1/2HN-T5-NP	15/8	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 1/16	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 1/16	7/8	15/16
1/4	1/2HN-T6	1/2HN-T6-SS	1/2HN-T6-316SS	1/2HN-T6-NP	1 1/16	7/8	15/16
5/16 / 8mm	1/2HN-T7	1/2HN-T7-SS	1/2HN-T7-316SS	1/2HN-T7-NP	1 13/16	7/8	1 1/16
3/8	1/2HN-T8	1/2HN-T8-SS	1/2HN-T8-316SS	1/2HN-T8-NP	1 13/16	7/8	31/32
1/2	1/2HN-T10	1/2HN-T10-SS	1/2HN-T10-316SS	1/2HN-T10-NP	1 31/32	7/8	13/16



1/2HN-T2



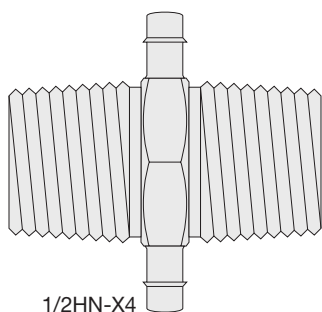
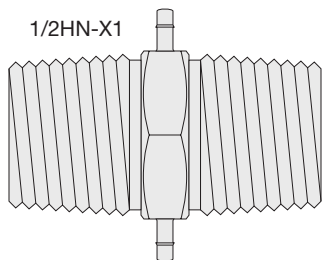
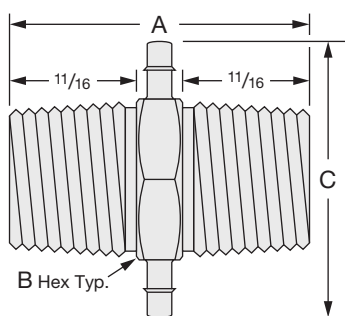
1/2HN-T5 3/4

Other Male Thread Hex Nipple options are listed on page 426! Consult factory for details!

Note: Images are for visual representation only. Dimensions may vary at time of manufacturing.

1/2 NPT Male Thread Nipples with Tube Branches: Crosses

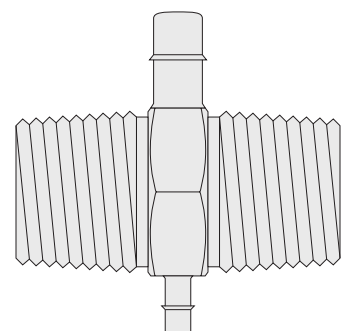
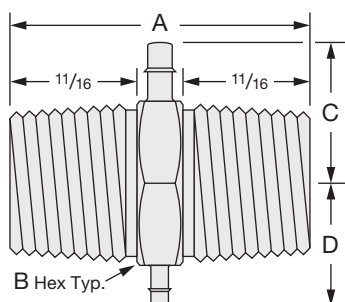
451



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 5/8	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 5/8	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 5/8	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 5/8	7/8	1 3/16
1/16	1/2HN-X1	1/2HN-X1-SS	1/2HN-X1-316SS	1/2HN-X1-NP	1 5/8	7/8	1 5/16
5/64 / 2mm	1/2HN-X2	1/2HN-X2-SS	1/2HN-X2-316SS	1/2HN-X2-NP	1 5/8	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 5/8	7/8	1 5/16
1/8	1/2HN-X3	1/2HN-X3-SS	1/2HN-X3-316SS	1/2HN-X3-NP	1 5/8	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 5/8	7/8	1 1/2
.170	1/2HN-X4	1/2HN-X4-SS	1/2HN-X4-316SS	1/2HN-X4-NP	1 5/8	7/8	1 9/16
3/16	1/2HN-X5	1/2HN-X5-SS	1/2HN-X5-316SS	1/2HN-X5-NP	1 5/8	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 11/16	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 11/16	7/8	1 7/8
1/4	1/2HN-X6	1/2HN-X6-SS	1/2HN-X6-316SS	1/2HN-X6-NP	1 11/16	7/8	1 7/8
5/16 / 8mm	1/2HN-X7	1/2HN-X7-SS	1/2HN-X7-316SS	1/2HN-X7-NP	1 13/16	7/8	2 1/8
3/8	1/2HN-X8	1/2HN-X8-SS	1/2HN-X8-316SS	1/2HN-X8-NP	1 13/16	7/8	1 15/16
1/2	1/2HN-X10	1/2HN-X10-SS	1/2HN-X10-316SS	1/2HN-X10-NP	1 31/32	7/8	2 3/8

1/2 NPT Male Thread Nipples with Tube Branches: Reducing Crosses

452



1/2HN-RX6-3

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	1 5/8	7/8	1 9/32	1 9/32
.040 / 1mm	.040	1 5/8	7/8	1 9/32	1 9/32
3/64	.045	1 5/8	7/8	1 9/32	1 9/32
.050	.050	1 5/8	7/8	1 9/32	1 9/32
1/16	1	1 5/8	7/8	2 1/32	2 1/32
5/64 / 2mm	2	1 5/8	7/8	2 1/32	2 1/32
3/32	2 1/2	1 5/8	7/8	2 1/32	2 1/32
1/8	3	1 5/8	7/8	3/4	3/4
5/32 / 4mm	3 1/2	1 5/8	7/8	3/4	3/4

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
.170	4	1 5/8	7/8	2 5/32	2 5/32
3/16	5	1 5/8	7/8	1 3/16	1 3/16
7/32	5 1/2	1 11/16	7/8	1 3/16	1 3/16
6mm	5 3/4	1 11/16	7/8	1 5/16	1 5/16
1/4	6	1 11/16	7/8	1 5/16	1 5/16
5/16 / 8mm	7	1 13/16	7/8	1 1/16	1 1/16
3/8	8	1 13/16	7/8	3 1/32	3 1/32
1/2	10	1 31/32	7/8	1 3/16	1 3/16

Other Hex Nipple options listed on page 428!

Part Numbers for 1/2 NPT Nipples with Reducing Cross Branches:

Thread Size	1/2	HN-RX	#	-	#	Smaller Branch #
		Fitting Series				Larger Branch #

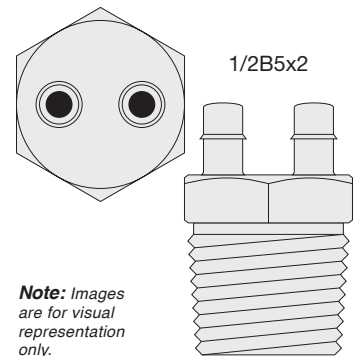
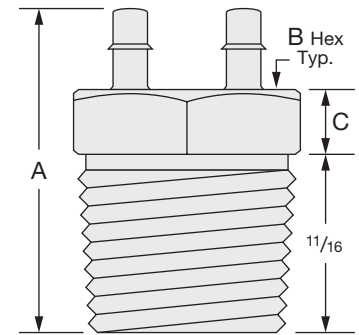
Unless otherwise specified, parts will be Brass. For other materials, add the following codes to the part number:
-SS = Stainless Steel 303 **-316SS** = Stainless Steel 316 **-NP** = Electroless Nickel Plate

Note: Images are for visual representation only. Dimensions may vary at time of manufacturing.

453

1/2 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	1/2B.031x2	1/2B.031x2-SS	1/2B.031x2-316SS	1/2B.031x2-NP	1 3/32	7/8	1/4
.040 / 1mm	1/2B.040x2	1/2B.040x2-SS	1/2B.040x2-316SS	1/2B.040x2-NP	1 3/32	7/8	1/4
3/64	1/2B.045x2	1/2B.045x2-SS	1/2B.045x2-316SS	1/2B.045x2-NP	1 3/32	7/8	1/4
.050	1/2B.050x2	1/2B.050x2-SS	1/2B.050x2-316SS	1/2B.050x2-NP	1 3/32	7/8	1/4
1/16	1/2B1x2	1/2B1x2-SS	1/2B1x2-316SS	1/2B1x2-NP	1 5/32	7/8	1/4
5/64 / 2mm	1/2B2x2	1/2B2x2-SS	1/2B2x2-316SS	1/2B2x2-NP	1 5/32	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 5/32	7/8	1/4
1/8	1/2B3x2	1/2B3x2-SS	1/2B3x2-316SS	1/2B3x2-NP	1 1/4	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 1/4	7/8	1/4
.170	1/2B4x2	1/2B4x2-SS	1/2B4x2-316SS	1/2B4x2-NP	1 9/32	7/8	1/4
3/16	1/2B5x2	1/2B5x2-SS	1/2B5x2-316SS	1/2B5x2-NP	1 5/16	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 5/16	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 7/16	7/8	1/4
1/4	1/2B6x2	1/2B6x2-SS	1/2B6x2-316SS	1/2B6x2-NP	1 7/16	7/8	1/4

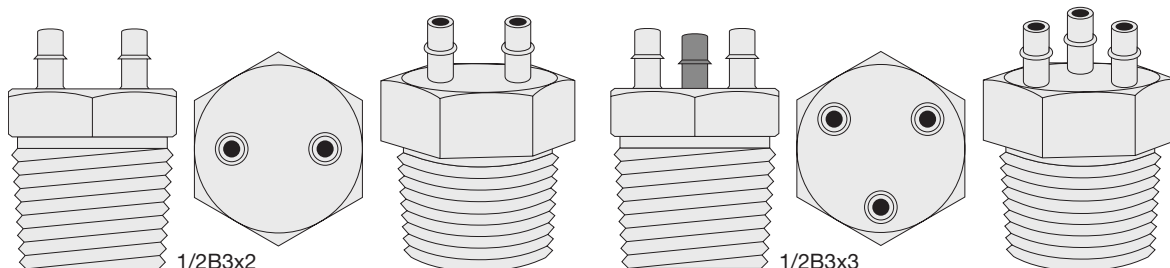
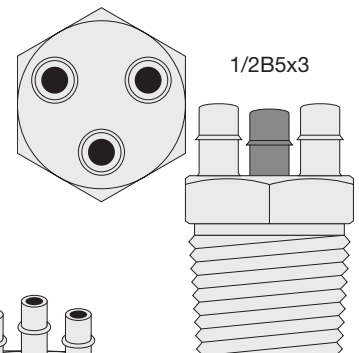
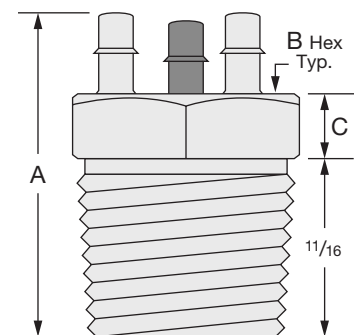


P

454

1/2 NPT Male Thread Straight Manifolds with 3 Branches

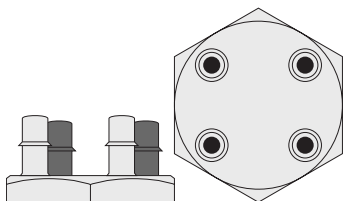
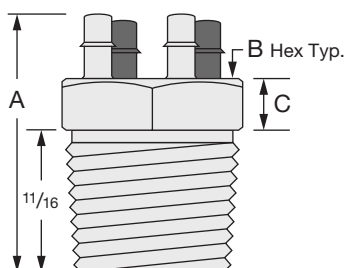
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/2B.031x3	1/2B.031x3-SS	1/2B.031x3-316SS	1/2B.031x3-NP	1 3/32	7/8	1/4
.040 / 1mm	1/2B.040x3	1/2B.040x3-SS	1/2B.040x3-316SS	1/2B.040x3-NP	1 3/32	7/8	1/4
3/64	1/2B.045x3	1/2B.045x3-SS	1/2B.045x3-316SS	1/2B.045x3-NP	1 3/32	7/8	1/4
.050	1/2B.050x3	1/2B.050x3-SS	1/2B.050x3-316SS	1/2B.050x3-NP	1 3/32	7/8	1/4
1/16	1/2B1x3	1/2B1x3-SS	1/2B1x3-316SS	1/2B1x3-NP	1 5/32	7/8	1/4
5/64 / 2mm	1/2B2x3	1/2B2x3-SS	1/2B2x3-316SS	1/2B2x3-NP	1 5/32	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 5/32	7/8	1/4
1/8	1/2B3x3	1/2B3x3-SS	1/2B3x3-316SS	1/2B3x3-NP	1 1/4	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 1/4	7/8	1/4
.170	1/2B4x3	1/2B4x3-SS	1/2B4x3-316SS	1/2B4x3-NP	1 9/32	7/8	1/4
3/16	1/2B5x3	1/2B5x3-SS	1/2B5x3-316SS	1/2B5x3-NP	1 5/16	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 5/16	7/8	1/4



Alternate branch locations available! Use the template on page 249 to indicate branch placement!

1/2 NPT Male Thread Straight Manifolds with 4 Branches

455



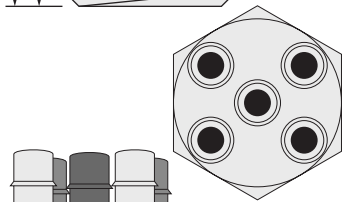
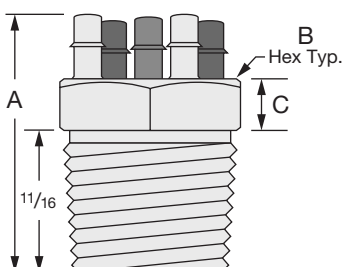
1/2B3x4

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

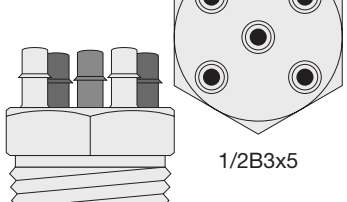
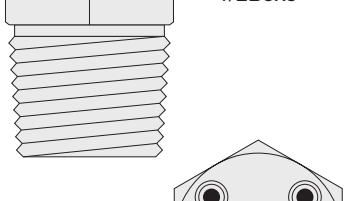
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/2B.031x4	1/2B.031x4-SS	1/2B.031x4-316SS	1/2B.031x4-NP	1 3/32	7/8	1/4
.040 / 1mm	1/2B.040x4	1/2B.040x4-SS	1/2B.040x4-316SS	1/2B.040x4-NP	1 3/32	7/8	1/4
3/64	1/2B.045x4	1/2B.045x4-SS	1/2B.045x4-316SS	1/2B.045x4-NP	1 3/32	7/8	1/4
.050	1/2B.050x4	1/2B.050x4-SS	1/2B.050x4-316SS	1/2B.050x4-NP	1 3/32	7/8	1/4
1/16	1/2B1x4	1/2B1x4-SS	1/2B1x4-316SS	1/2B1x4-NP	1 5/32	7/8	1/4
5/64 / 2mm	1/2B2x4	1/2B2x4-SS	1/2B2x4-316SS	1/2B2x4-NP	1 5/32	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 5/32	7/8	1/4
1/8	1/2B3x4	1/2B3x4-SS	1/2B3x4-316SS	1/2B3x4-NP	1 1/4	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 1/4	7/8	1/4
.170	1/2B4x4	1/2B4x4-SS	1/2B4x4-316SS	1/2B4x4-NP	1 9/32	7/8	1/4
3/16	1/2B5x4	1/2B5x4-SS	1/2B5x4-316SS	1/2B5x4-NP	1 5/16	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 5/16	7/8	1/4

1/2 NPT Male Thread Straight Manifolds with 5 Branches

456



1/2B5x5

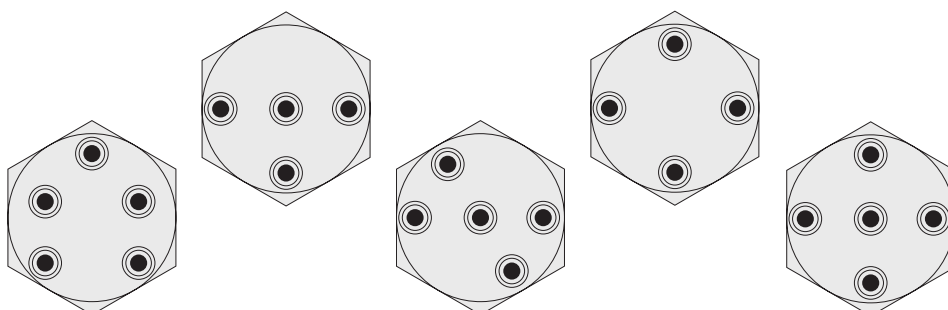


1/2B3x5

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 3/32	7/8	1/4
.040 / 1mm	1/2B.040x5	1/2B.040x5-SS	1/2B.040x5-316SS	1/2B.040x5-NP	1 3/32	7/8	1/4
3/64	1/2B.045x5	1/2B.045x5-SS	1/2B.045x5-316SS	1/2B.045x5-NP	1 3/32	7/8	1/4
.050	1/2B.050x5	1/2B.050x5-SS	1/2B.050x5-316SS	1/2B.050x5-NP	1 3/32	7/8	1/4
1/16	1/2B1x5	1/2B1x5-SS	1/2B1x5-316SS	1/2B1x5-NP	1 5/32	7/8	1/4
5/64 / 2mm	1/2B2x5	1/2B2x5-SS	1/2B2x5-316SS	1/2B2x5-NP	1 5/32	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 5/32	7/8	1/4
1/8	1/2B3x5	1/2B3x5-SS	1/2B3x5-316SS	1/2B3x5-NP	1 1/4	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 1/4	7/8	1/4
.170	1/2B4x5	1/2B4x5-SS	1/2B4x5-316SS	1/2B4x5-NP	1 9/16	7/8	1/4
3/16	1/2B5x5	1/2B5x5-SS	1/2B5x5-316SS	1/2B5x5-NP	1 5/16	7/8	1/4

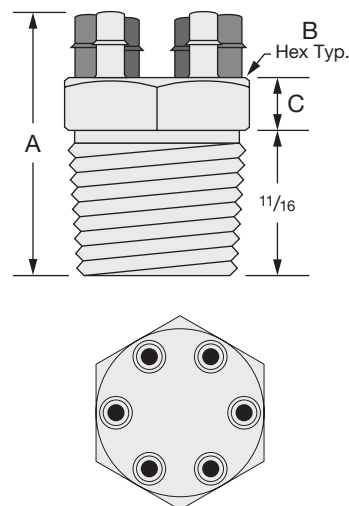
Alternate branch configurations available! See the template on page 249 for details!



457

1/2 NPT Male Thread to Tube Manifolds with 6 Branches

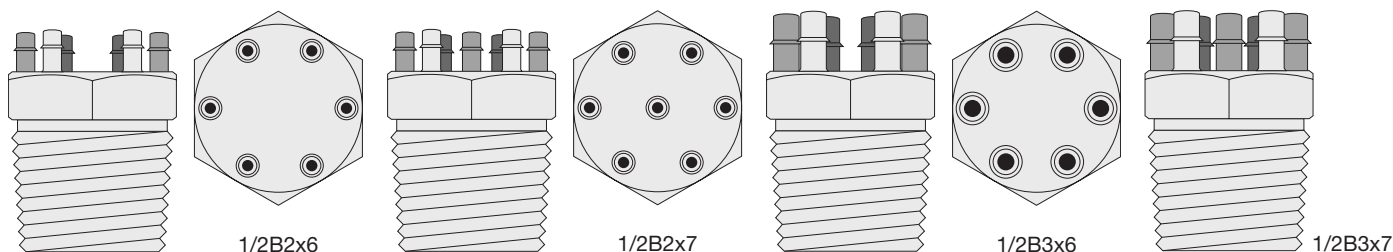
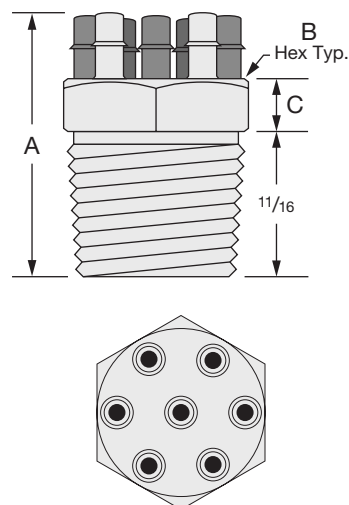
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/2B.031x6	1/2B.031x6-SS	1/2B.031x6-316SS	1/2B.031x6-NP	1 3/32	7/8	1/4
.040 / 1mm	1/2B.040x6	1/2B.040x6-SS	1/2B.040x6-316SS	1/2B.040x6-NP	1 3/32	7/8	1/4
3/64	1/2B.045x6	1/2B.045x6-SS	1/2B.045x6-316SS	1/2B.045x6-NP	1 3/32	7/8	1/4
.050	1/2B.050x6	1/2B.050x6-SS	1/2B.050x6-316SS	1/2B.050x6-NP	1 3/32	7/8	1/4
1/16	1/2B1x6	1/2B1x6-SS	1/2B1x6-316SS	1/2B1x6-NP	1 5/32	7/8	1/4
5/64 / 2mm	1/2B2x6	1/2B2x6-SS	1/2B2x6-316SS	1/2B2x6-NP	1 5/32	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 5/32	7/8	1/4
1/8	1/2B3x6	1/2B3x6-SS	1/2B3x6-316SS	1/2B3x6-NP	1 1/4	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 1/4	7/8	1/4



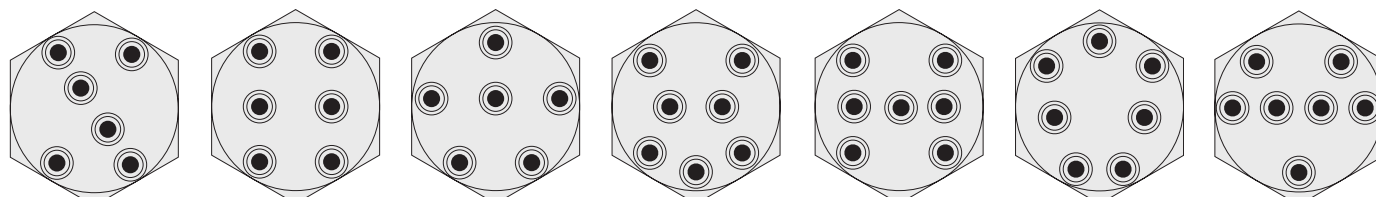
458

1/2 NPT Male Thread to Tube 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 3/32	7/8	1/4
.040 / 1mm	1/2B.040x7	1/2B.040x7-SS	1/2B.040x7-316SS	1/2B.040x7-NP	1 3/32	7/8	1/4
3/64	1/2B.045x7	1/2B.045x7-SS	1/2B.045x7-316SS	1/2B.045x7-NP	1 3/32	7/8	1/4
.050	1/2B.050x7	1/2B.050x7-SS	1/2B.050x7-316SS	1/2B.050x7-NP	1 3/32	7/8	1/4
1/16	1/2B1x7	1/2B1x7-SS	1/2B1x7-316SS	1/2B1x7-NP	1 5/32	7/8	1/4
5/64 / 2mm	1/2B2x7	1/2B2x7-SS	1/2B2x7-316SS	1/2B2x7-NP	1 5/32	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 5/32	7/8	1/4
1/8	1/2B3x7	1/2B3x7-SS	1/2B3x7-316SS	1/2B3x7-NP	1 1/4	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 1/4	7/8	1/4

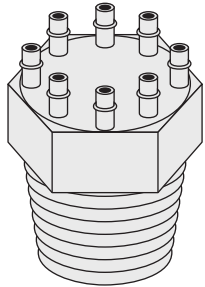
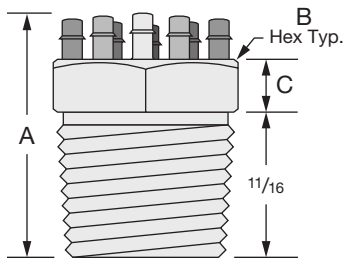


Customize Straight Manifolds with alternate branch locations! Use the template on page 249 to indicate branch placement!

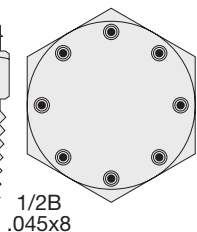
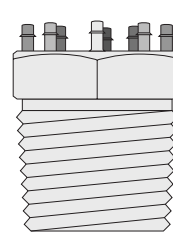
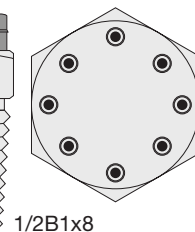
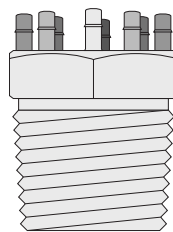
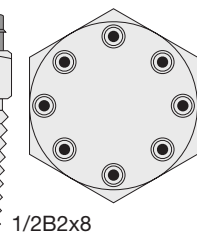
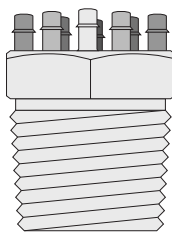


1/2 NPT Male Thread Straight Manifolds with 8 Branches

459



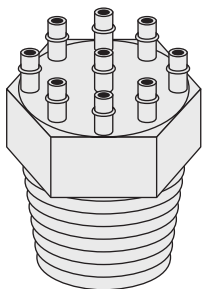
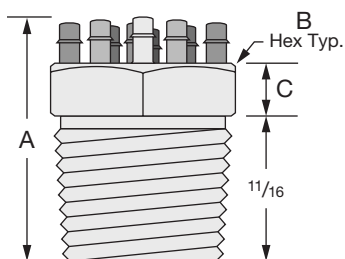
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/2B.031x8	1/2B.031x8-SS	1/2B.031x8-316SS	1/2B.031x8-NP	1 3/32	7/8	1/4
.040 / 1mm	1/2B.040x8	1/2B.040x8-SS	1/2B.040x8-316SS	1/2B.040x8-NP	1 3/32	7/8	1/4
3/64	1/2B.045x8	1/2B.045x8-SS	1/2B.045x8-316SS	1/2B.045x8-NP	1 3/32	7/8	1/4
.050	1/2B.050x8	1/2B.050x8-SS	1/2B.050x8-316SS	1/2B.050x8-NP	1 3/32	7/8	1/4
1/16	1/2B1x8	1/2B1x8-SS	1/2B1x8-316SS	1/2B1x8-NP	1 5/32	7/8	1/4
5/64 / 2mm	1/2B2x8	1/2B2x8-SS	1/2B2x8-316SS	1/2B2x8-NP	1 5/32	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 5/32	7/8	1/4



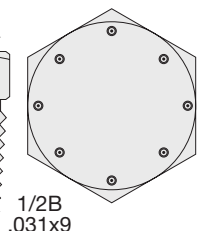
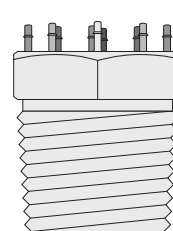
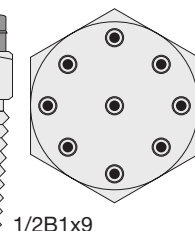
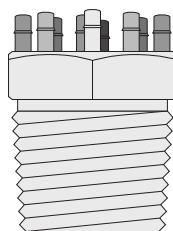
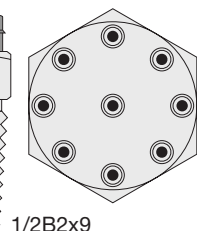
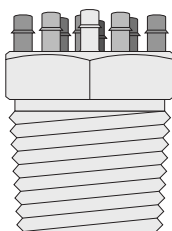
Note: Images are for visual representation only; not intended for dimensional measurements.

1/2 NPT Male Thread Straight Manifolds with 9 Branches

460

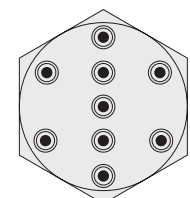
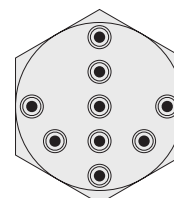
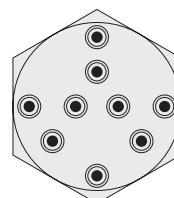
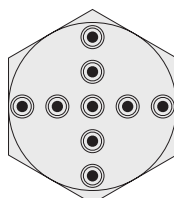
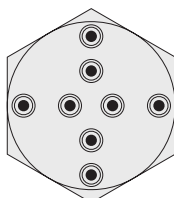
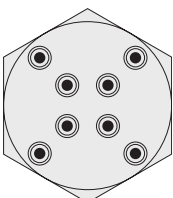
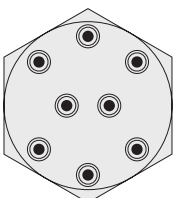


Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/2B.031x9	1/2B.031x9-SS	1/2B.031x9-316SS	1/2B.031x9-NP	1 3/32	7/8	1/4
.040 / 1mm	1/2B.040x9	1/2B.040x9-SS	1/2B.040x9-316SS	1/2B.040x9-NP	1 3/32	7/8	1/4
3/64	1/2B.045x9	1/2B.045x9-SS	1/2B.045x9-316SS	1/2B.045x9-NP	1 3/32	7/8	1/4
.050	1/2B.050x9	1/2B.050x9-SS	1/2B.050x9-316SS	1/2B.050x9-NP	1 3/32	7/8	1/4
1/16	1/2B1x9	1/2B1x9-SS	1/2B1x9-316SS	1/2B1x9-NP	1 5/32	7/8	1/4
5/64 / 2mm	1/2B2x9	1/2B2x9-SS	1/2B2x9-316SS	1/2B2x9-NP	1 5/32	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 5/32	7/8	1/4



Note: Dimensions may vary at time of manufacturing.

Customize Straight Manifolds with alternate branch locations! Use the template on page 249 to indicate branch placement!



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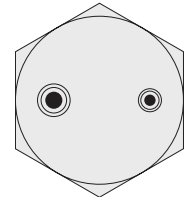
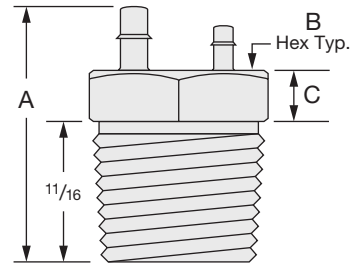
1/2 NPT Male Thread Straight Reducing Manifolds with 2 Branches

Branches		Dimensions (Reference)		
Tube ID	Branch #	A Ref.	B Typ.	C Ref.
1/32	.031	1 3/32	7/8	1/4
.040 / 1mm	.040	1 3/32	7/8	1/4
3/64	.045	1 3/32	7/8	1/4
.050	.050	1 3/32	7/8	1/4

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

Branches		Dimensions (Reference)		
Tube ID	Branch #	A Ref.	B Typ.	C Ref.
1/16	1	1 5/32	7/8	1/4
5/64 / 2mm	2	1 5/32	7/8	1/4
3/32	2 1/2	1 5/32	7/8	1/4
1/8	3	1 1/4	7/8	1/4
5/32 / 4mm	3 1/2	1 1/4	7/8	1/4

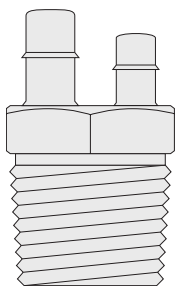
Branches		Dimensions (Reference)		
Tube ID	Branch #	A Ref.	B Typ.	C Ref.
.170	4	1 9/16	7/8	1/4
3/16	5	1 5/16	7/8	1/4
7/32	5 1/2	1 5/16	7/8	1/4
6mm	5 3/4	1 7/16	7/8	1/4
1/4	6	1 7/16	7/8	1/4



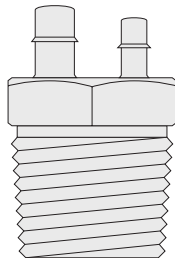
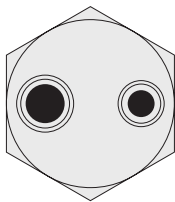
1/2B3-2

P

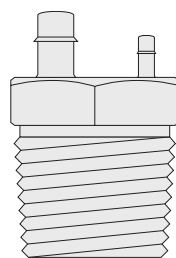
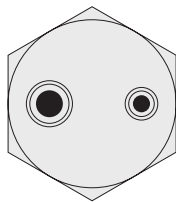
Part Numbers for 1/2 NPT Male Thread Reducing Manifolds with 2 Branches:



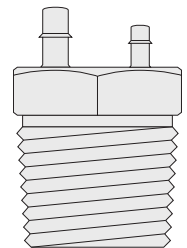
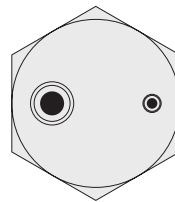
1/2B6-5



1/2B5-3



1/2B4-1



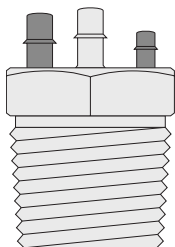
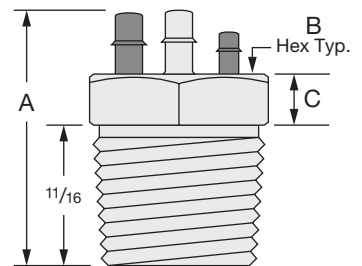
462

1/2 NPT Male Thread Straight Reducing Manifolds with 3 Branches

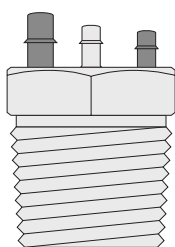
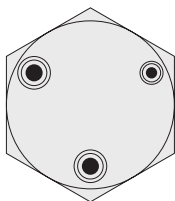
Branches		Dimensions (Reference)		
Tube ID	Branch #	A Ref.	B Typ.	C Ref.
1/32	.031	1 3/32	7/8	1/4
.040 / 1mm	.040	1 3/32	7/8	1/4
3/64	.045	1 3/32	7/8	1/4
.050	.050	1 3/32	7/8	1/4

Branches		Dimensions (Reference)		
Tube ID	Branch #	A Ref.	B Typ.	C Ref.
1/16	1	1 5/32	7/8	1/4
5/64 / 2mm	2	1 5/32	7/8	1/4
3/32	2 1/2	1 5/32	7/8	1/4
1/8	3	1 1/4	7/8	1/4

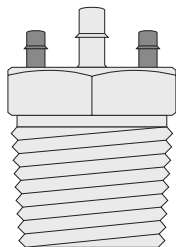
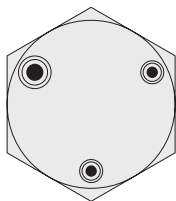
Branches		Dimensions (Reference)		
Tube ID	Branch #	A Ref.	B Typ.	C Ref.
5/32 / 4mm	3 1/2	1 1/4	7/8	1/4
.170	4	1 9/16	7/8	1/4
3/16	5	1 5/16	7/8	1/4
7/32	5 1/2	1 5/16	7/8	1/4



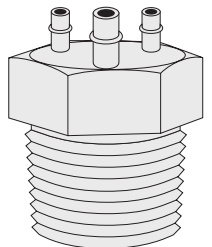
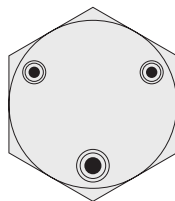
1/2B3-3-2



1/2B2-3-2



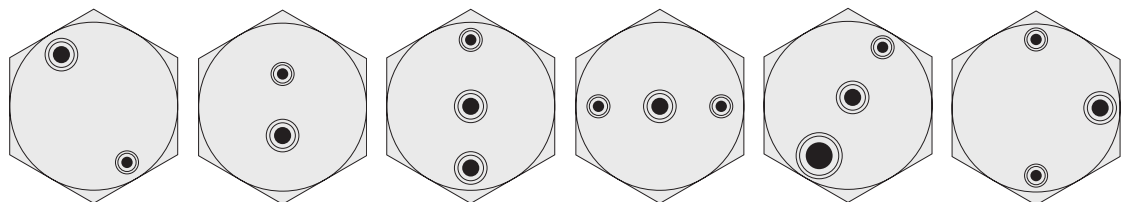
1/2B3-2-2



Unless otherwise specified, parts will be Brass. For other materials, add these codes to the part number:

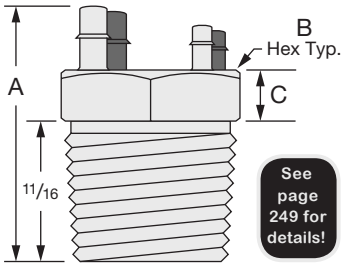
-SS =
Stainless Steel 303
-316SS =
Stainless Steel 316
-NP =
Electroless Nickel Plate

Customize Straight Manifolds with alternate branch locations! See the template on page 249!



1/2 NPT Male Thread Straight Reducing Manifolds with 4 Branches

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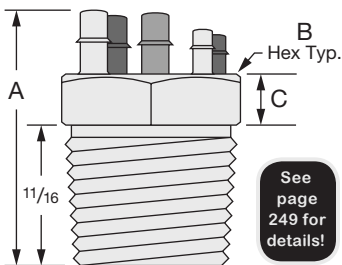
Branches		Dimensions (Reference)		
Tube ID	Branch #	A Ref.	B Typ.	C Ref.
1/32	.031	1 3/32	7/8	1/4
.040 / 1mm	.040	1 3/32	7/8	1/4
3/64	.045	1 3/32	7/8	1/4
.050	.050	1 3/32	7/8	1/4

Branches		Dimensions (Reference)		
Tube ID	Branch #	A Ref.	B Typ.	C Ref.
1/16	1	1 5/32	7/8	1/4
5/64 / 2mm	2	1 5/32	7/8	1/4
3/32	2 1/2	1 5/32	7/8	1/4
1/8	3	1 1/4	7/8	1/4

Branches		Dimensions (Reference)		
Tube ID	Branch #	A Ref.	B Typ.	C Ref.
5/32 / 4mm	3 1/2	1 1/4	7/8	1/4
.170	4	1 9/16	7/8	1/4
3/16	5	1 5/16	7/8	1/4
7/32	5 1/2	1 5/16	7/8	1/4

1/2 NPT Male Thread Straight Reducing Manifolds with 5 Branches

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Branches		Dimensions (Reference)		
Tube ID	Branch #	A Ref.	B Typ.	C Ref.
1/32	.031	1 3/32	7/8	1/4
.040 / 1mm	.040	1 3/32	7/8	1/4
3/64	.045	1 3/32	7/8	1/4
.050	.050	1 3/32	7/8	1/4

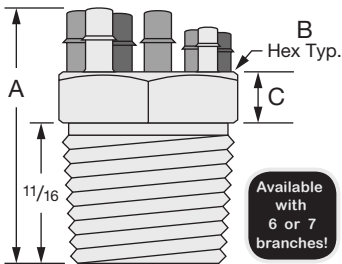
Branches		Dimensions (Reference)		
Tube ID	Branch #	A Ref.	B Typ.	C Ref.
1/16	1	1 5/32	7/8	1/4
5/64 / 2mm	2	1 5/32	7/8	1/4
3/32	2 1/2	1 5/32	7/8	1/4
1/8	3	1 1/4	7/8	1/4

Branches		Dimensions (Reference)		
Tube ID	Branch #	A Ref.	B Typ.	C Ref.
5/32 / 4mm	3 1/2	1 1/4	7/8	1/4
.170	4	1 9/16	7/8	1/4
3/16	5	1 5/16	7/8	1/4

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

1/2 NPT Male Thread Straight Reducing Manifolds with 6 or 7 Branches

465

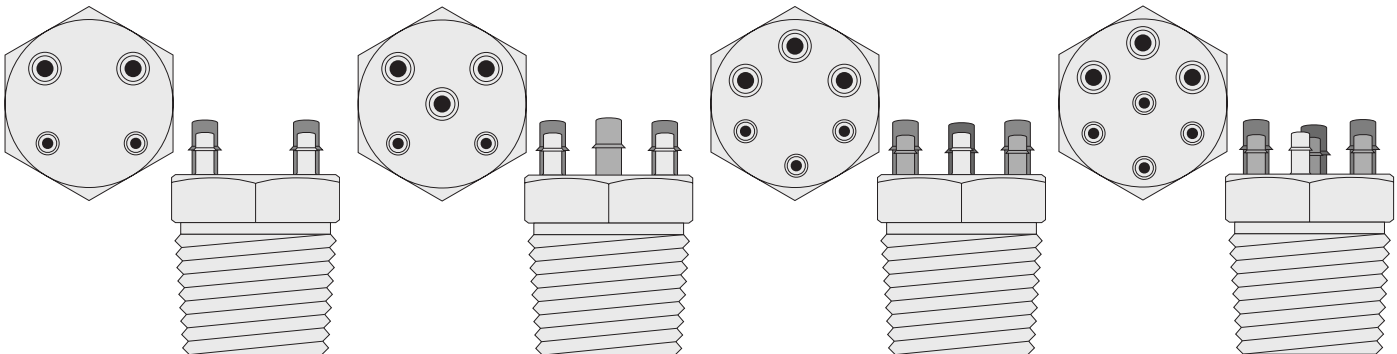


Branches		Dimensions (Reference)		
Tube ID	Branch #	A Ref.	B Typ.	C Ref.
1/32	.031	1 3/32	7/8	1/4
.040 / 1mm	.040	1 3/32	7/8	1/4
3/64	.045	1 3/32	7/8	1/4

Branches		Dimensions (Reference)		
Tube ID	Branch #	A Ref.	B Typ.	C Ref.
.050	.050	1 3/32	7/8	1/4
1/16	1	1 5/32	7/8	1/4
5/64 / 2mm	2	1 5/32	7/8	1/4

Branches		Dimensions (Reference)		
Tube ID	Branch #	A Ref.	B Typ.	C Ref.
3/32	2 1/2	1 5/32	7/8	1/4
1/8	3	1 1/4	7/8	1/4
5/32 / 4mm	3 1/2	1 1/4	7/8	1/4

Many options available! Use the template on page 249 to indicate branch sizes & placement!



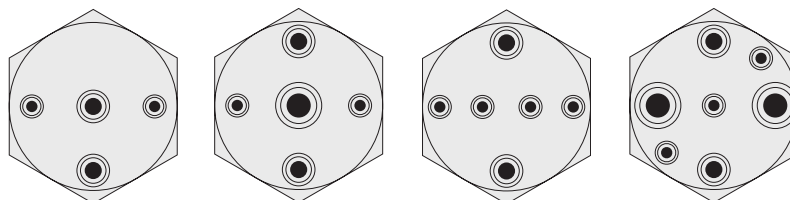
Unless otherwise specified, parts will be Brass. For other materials, add these codes to the part number:

-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

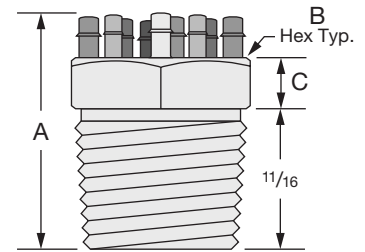
1/2 NPT Male Thread Straight Reducing Manifolds with 8 or 9 Branches

Branches		Dimensions (Reference)		
Tube ID	Branch #	A Ref.	B Typ.	C Ref.
1/32	.031	1 3/32	7/8	1/4
.040 / 1mm	.040	1 3/32	7/8	1/4
3/64	.045	1 3/32	7/8	1/4

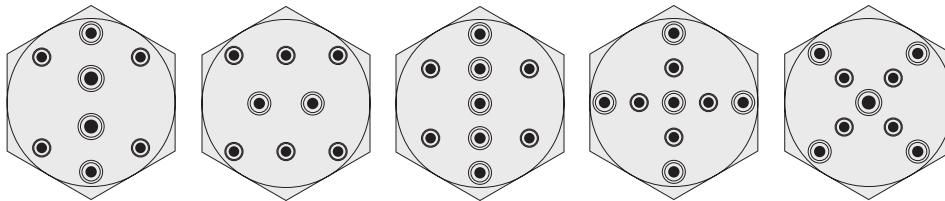
Branches		Dimensions (Reference)		
Tube ID	Branch #	A Ref.	B Typ.	C Ref.
.050	.050	1 3/32	7/8	1/4
1/16	1	1 5/32	7/8	1/4

Branches		Dimensions (Reference)		
Tube ID	Branch #	A Ref.	B Typ.	C Ref.
5/64 / 2mm	2	1 5/32	7/8	1/4
3/32	2 1/2	1 5/32	7/8	1/4

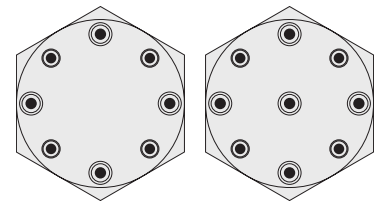
Brass is standard. Other material options listed on previous page!



Customize Straight Manifolds with alternate branch locations! See the template below!



Available with 8 or 9 branches!

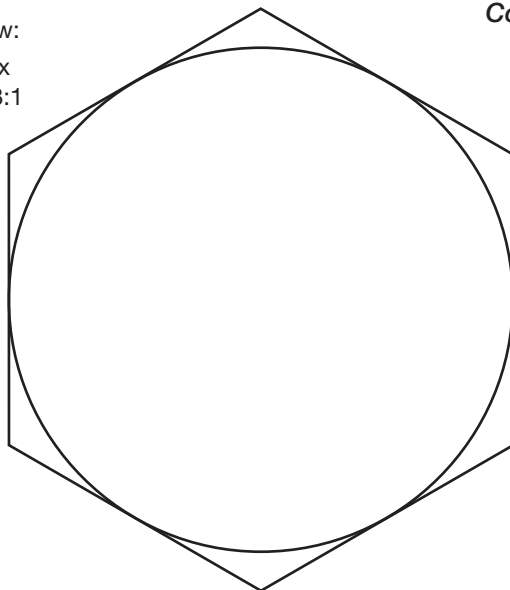


1/2 NPT Male Thread Straight Manifold Template for Branch Sizes and Locations

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

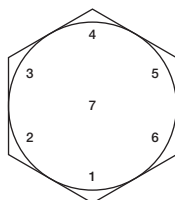


Consult factory for details!

Branch Numbers:

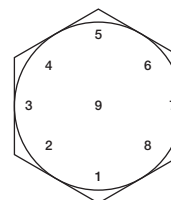
1st Branch (1) = _____ 6th Branch (6) = _____
 2nd Branch (2) = _____ 7th Branch (7) = _____
 3rd Branch (3) = _____ 8th Branch (8) = _____
 4th Branch (4) = _____ 9th Branch (9) = _____
 5th Branch (5) = _____

*Part numbers will vary depending on branch configuration



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)

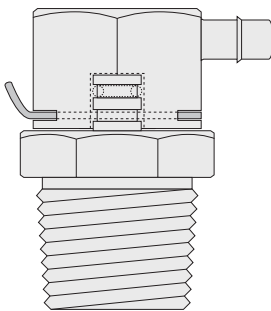
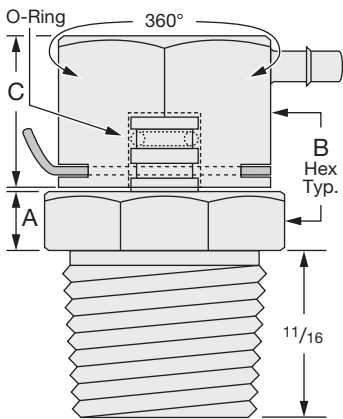
Examples:



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



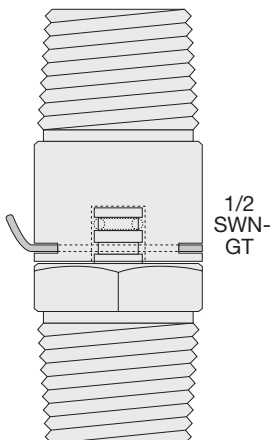
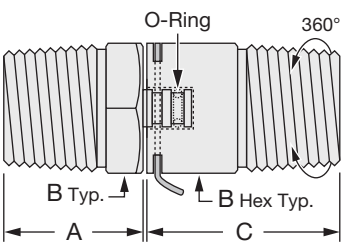
1/2SW-LB5-GT

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	1/2SW-LB.031-GT	1/2SW-LB.031-GT-SS	1/2SW-LB.031-GT-316SS	1/2SW-LB.031-GT-NP	Consult Factory	Consult Factory	Consult Factory
.040 / 1mm	1/2SW-LB.040-GT	1/2SW-LB.040-GT-SS	1/2SW-LB.040-GT-316SS	1/2SW-LB.040-GT-NP	Consult Factory	Consult Factory	Consult Factory
3/64	1/2SW-LB.045-GT	1/2SW-LB.045-GT-SS	1/2SW-LB.045-GT-316SS	1/2SW-LB.045-GT-NP	Consult Factory	Consult Factory	Consult Factory
.050	1/2SW-LB.050-GT	1/2SW-LB.050-GT-SS	1/2SW-LB.050-GT-316SS	1/2SW-LB.050-GT-NP	Consult Factory	Consult Factory	Consult Factory
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
5/64 / 2mm	1/2SW-LB2-GT	1/2SW-LB2-GT-SS	1/2SW-LB2-GT-316SS	1/2SW-LB2-GT-NP	Consult Factory	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory	Consult Factory
1/8	1/2SW-LB3-GT	1/2SW-LB3-GT-SS	1/2SW-LB3-GT-316SS	1/2SW-LB3-GT-NP	Consult Factory	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory	Consult Factory
.170	1/2SW-LB4-GT	1/2SW-LB4-GT-SS	1/2SW-LB4-GT-316SS	1/2SW-LB4-GT-NP	Consult Factory	Consult Factory	Consult Factory
3/16	1/2SW-LB5-GT	1/2SW-LB5-GT-SS	1/2SW-LB5-GT-316SS	1/2SW-LB5-GT-NP	Consult Factory	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory	Consult Factory
1/4	1/2SW-LB6-GT	1/2SW-LB6-GT-SS	1/2SW-LB6-GT-316SS	1/2SW-LB6-GT-NP	Consult Factory	Consult Factory	Consult Factory
5/16 / 8mm	1/2SW-LB7-GT	1/2SW-LB7-GT-SS	1/2SW-LB7-GT-316SS	1/2SW-LB7-GT-NP	Consult Factory	Consult Factory	Consult Factory
3/8	1/2SW-LB8-GT	1/2SW-LB8-GT-SS	1/2SW-LB8-GT-316SS	1/2SW-LB8-GT-NP	Consult Factory	Consult Factory	Consult Factory
1/2	1/2SW-LB10-GT	1/2SW-LB10-GT-SS	1/2SW-LB10-GT-316SS	1/2SW-LB10-GT-NP	Consult Factory	Consult Factory	Consult Factory

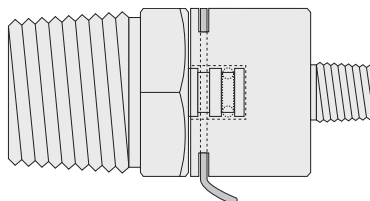
1/2 NPT Male Thread Swivel Nipples and Reducing Swivel Nipples

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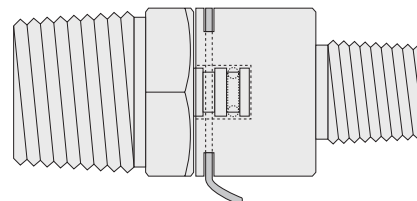


1/2 SWN-GT

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.
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	Consult Factory	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory	Consult Factory
1/2	5/16-18	3/8-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	Consult Factory	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory	Consult Factory
1/2	1/4-20	1/2RSWN-4-20-GT	1/2RSWN-4-20-GT-SS	1/2RSWN-4-20-GT-316SS	1/2RSWN-4-20-GT-AL	1/2RSWN-4-20-GT-NP	Consult Factory	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory



1/2RSWN-1/16-GT



1/2RSWN-1/4-GT

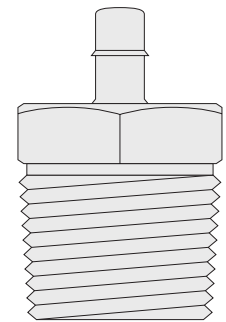
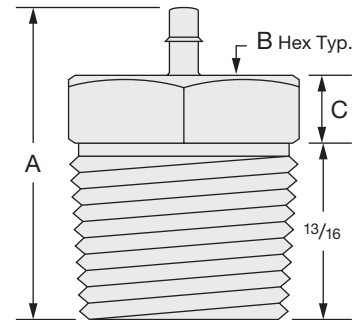
O-Ring options available for parallel threads. O-Ring materials listed on page 65!

See GT Series for other Swivel options!!

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	1 9/32	1 1/16	5/16
.040 / 1mm	3/4B.040	3/4B.040-SS	3/4B.040-316SS	N/A	3/4B.040-NP	1 9/32	1 1/16	5/16
3/64	3/4B.045	3/4B.045-SS	3/4B.045-316SS	N/A	3/4B.045-NP	1 9/32	1 1/16	5/16
.050	3/4B.050	3/4B.050-SS	3/4B.050-316SS	N/A	3/4B.050-NP	1 9/32	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 23/32	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

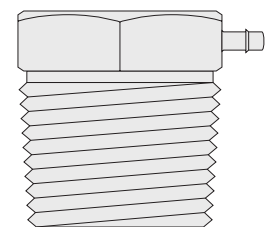
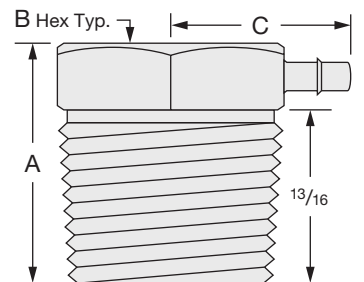
Note: Images are for visual representation only; not intended for dimensional measurements. Dimensions may vary at time of manufacturing. Consult Factory for Details!

Q

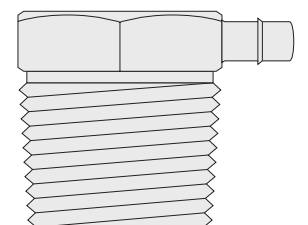
470

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	1 1/16
.040 / 1mm	3/4LB.040	3/4LB.040-SS	3/4LB.040-316SS	3/4LB.040-NP	1 1/8	1 1/16	1 1/16
3/64	3/4LB.045	3/4LB.045-SS	3/4LB.045-316SS	3/4LB.045-NP	1 1/8	1 1/16	1 1/16
.050	3/4LB.050	3/4LB.050-SS	3/4LB.050-316SS	3/4LB.050-NP	1 1/8	1 1/16	1 1/16
1/16	3/4LB1	3/4LB1-SS	3/4LB1-316SS	3/4LB1-NP	1 1/8	1 1/16	1 3/16
5/64 / 2mm	3/4LB2	3/4LB2-SS	3/4LB2-316SS	3/4LB2-NP	1 1/8	1 1/16	1 3/16
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	1 3/16
1/8	3/4LB3	3/4LB3-SS	3/4LB3-316SS	3/4LB3-NP	1 1/8	1 1/16	2 7/32
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	2 7/32
.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	2 9/32
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	2 9/32
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



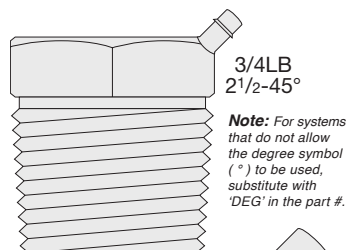
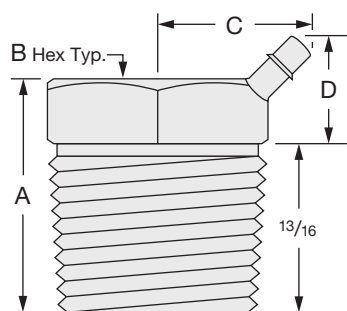
3/4LB2



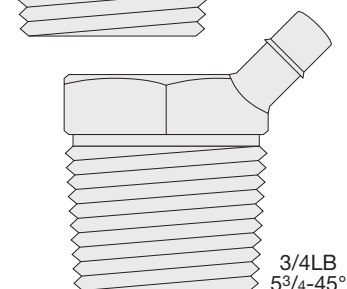
3/4LB5

3/4 NPT Male Thread to Tube 45° Elbows

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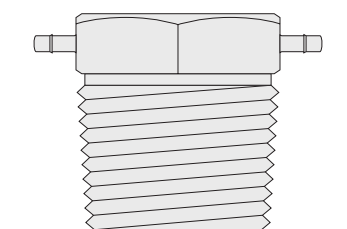
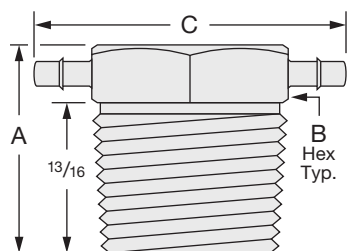
Note: For systems that do not allow the degree symbol (°) to be used, substitute with 'DEG' in the part #.



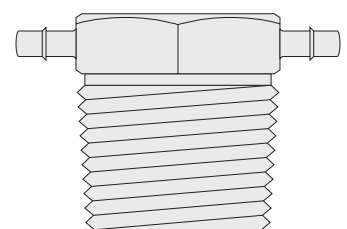
Tube ID	Part Numbers				Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/32	3/4LB.031-45°	3/4LB.031-45°-SS	3/4LB.031-45°-316SS	3/4LB.031-45°-NP	1 1/8	1 1/16	Consult Factory	Consult Factory
.040 / 1mm	3/4LB.040-45°	3/4LB.040-45°-SS	3/4LB.040-45°-316SS	3/4LB.040-45°-NP	1 1/8	1 1/16	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory
.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	Consult Factory	Consult Factory
1/16	3/4LB1-45°	3/4LB1-45°-SS	3/4LB1-45°-316SS	3/4LB1-45°-NP	1 1/8	1 1/16	Consult Factory	Consult Factory
5/64 / 2mm	3/4LB2-45°	3/4LB2-45°-SS	3/4LB2-45°-316SS	3/4LB2-45°-NP	1 1/8	1 1/16	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory
1/8	3/4LB3-45°	3/4LB3-45°-SS	3/4LB3-45°-316SS	3/4LB3-45°-NP	1 1/8	1 1/16	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory
.170	3/4LB4-45°	3/4LB4-45°-SS	3/4LB4-45°-316SS	3/4LB4-45°-NP	1 1/8	1 1/16	Consult Factory	Consult Factory
3/16	3/4LB5-45°	3/4LB5-45°-SS	3/4LB5-45°-316SS	3/4LB5-45°-NP	1 1/8	1 1/16	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory
1/4	3/4LB6-45°	3/4LB6-45°-SS	3/4LB6-45°-316SS	3/4LB6-45°-NP	1 1/8	1 1/16	Consult Factory	Consult Factory
5/16 / 8mm	3/4LB7-45°	3/4LB7-45°-SS	3/4LB7-45°-316SS	3/4LB7-45°-NP	1 1/4	1 1/16	Consult Factory	Consult Factory
3/8	3/4LB8-45°	3/4LB8-45°-SS	3/4LB8-45°-316SS	3/4LB8-45°-NP	1 1/4	1 1/16	Consult Factory	Consult Factory
1/2	3/4LB10-45°	3/4LB10-45°-SS	3/4LB10-45°-316SS	3/4LB10-45°-NP	1 7/16	1 1/16	Consult Factory	Consult Factory
5/8	3/4LB11-45°	3/4LB11-45°-SS	3/4LB11-45°-316SS	3/4LB11-45°-NP	1 9/16	1 1/16	Consult Factory	Consult Factory
3/4	3/4LB12-45°	3/4LB12-45°-SS	3/4LB12-45°-316SS	3/4LB12-45°-NP	1 11/16	1 1/16	Consult Factory	Consult Factory

3/4 NPT Male Thread to Tube Tees

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3/4T1



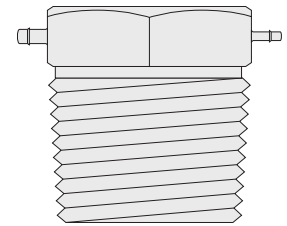
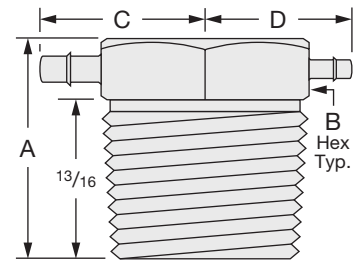
3/4T3

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

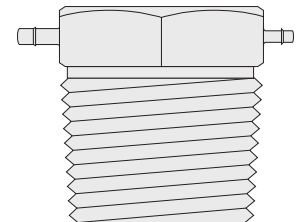
473

3/4 NPT Male Thread to Tube Reducing Tees

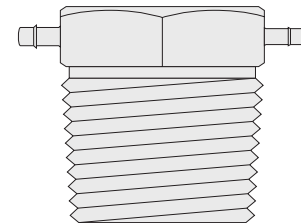
Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
.040 / 1mm	1/32	3/4RT.040-.031	3/4RT.040-.031-SS	3/4RT.040-.031-316SS	3/4RT.040-.031-NP	1 1/8	1 1/16	1 1/16	1 1/16
3/64	1/32	3/4RT.045-.031	3/4RT.045-.031-SS	3/4RT.045-.031-316SS	3/4RT.045-.031-NP	1 1/8	1 1/16	1 1/16	1 1/16
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	1 1/16	1 1/16
.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	1 1/16	1 1/16
.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	1 1/16	1 1/16
.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	1 1/16	1 1/16
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	1 3/16	1 1/16
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	1 3/16	1 1/16
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	1 3/16	1 1/16
1/16	.050	3/4RT1-.050	3/4RT1-.050-SS	3/4RT1-.050-316SS	3/4RT1-.050-NP	1 1/8	1 1/16	1 3/16	1 1/16
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	1 3/16	1 1/16
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	1 3/16	1 1/16
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	1 3/16	1 1/16
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	1 3/16	1 1/16
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	1 3/16	1 3/16
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	1 3/16	1 1/16
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	1 3/16	1 1/16
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	1 3/16	1 1/16
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	1 3/16	1 1/16
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	1 3/16	1 3/16
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	1 3/16	1 3/16
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	1 1/16
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	1 1/16
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	1 1/16
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	1 1/16
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	1 3/16
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	1 3/16
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	1 3/16
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	1 1/16
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	1 1/16
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	1 1/16
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	1 1/16
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	1 3/16
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	1 3/16
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	1 3/16
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



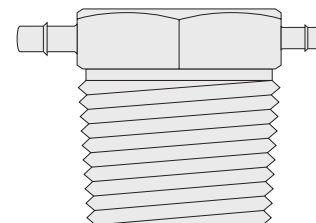
3/4RT.050-.040



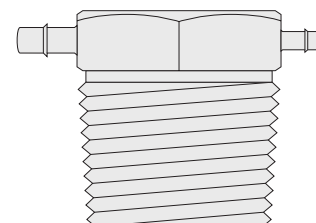
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3/4RT2-1



3/4RT3-2 1/2



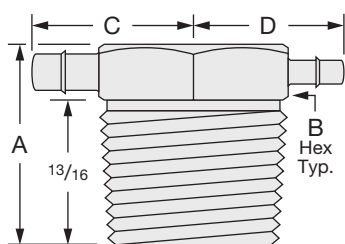
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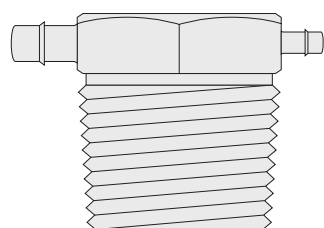
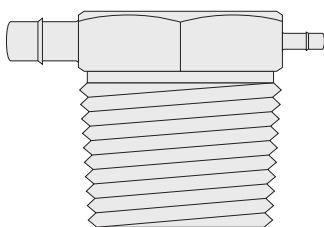
Note: Images are for visual representation only; not intended for dimensional measurements.

3/4 NPT Male Thread to Tube Reducing Tees (continued)

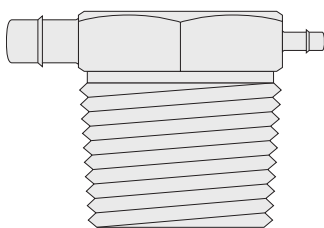
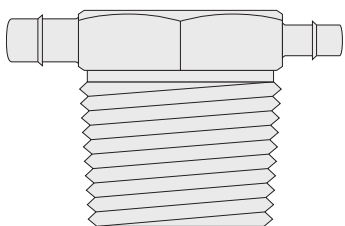
474



3/4RT4-.031


3/4RT4-2¹/₂


3/4RT5-1


3/4RT5¹/₂-2

3/4RT5¹/₂-3

Continued on next page

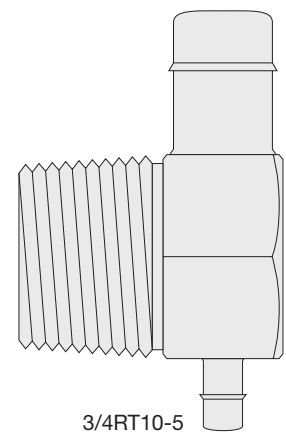
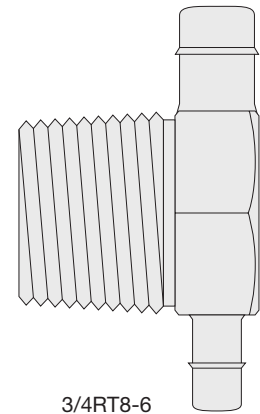
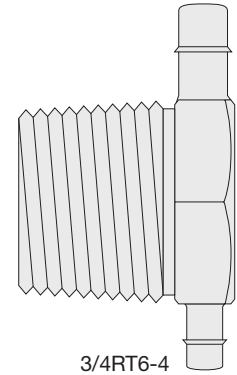
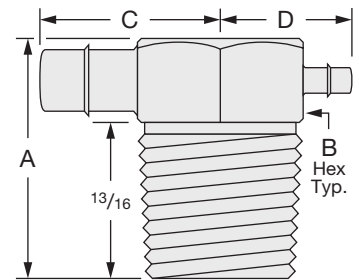
Note: Images are for visual representation only; not intended for dimensional measurements.

Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	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	1 1/16
.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	1 1/16
.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	1 1/16
.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	1 1/16
.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	1 3/16
.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	1 3/16
.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	1 3/16
.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	1 1/16
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	1 1/16
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	1 1/16
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	1 1/16
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	1 3/16
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	1 3/16
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	1 3/16
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	1 3/16
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	1 3/16
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	1 3/16
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	1 3/16
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	1 3/16
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	1 3/16
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	1 3/16
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	1 3/16
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	1 3/16
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

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3/4 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	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 1/32	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 1/32	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 1/32	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 1/32	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 1/32	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 1/32	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 1/32	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 1/32	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 1/32	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 1/32	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 1/32	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 1/32
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 1/32	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 1/32	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 1/32	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 1/32	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 1/32	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 1/32	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 1/32	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 1/32	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 1/32	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 1/32	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 1/32	1 1/32
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 1/32	1 1/16

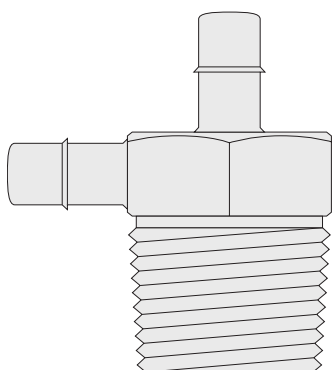
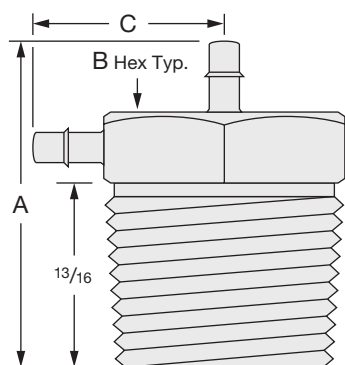


Note: Images are rotated to fit in the space available; for visual representation only.

Reducing Tees with #11 and #12 Branches also available! Consult factory for details!

3/4 NPT Male Thread to Tube L-Tees

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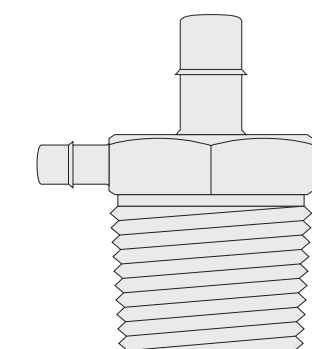
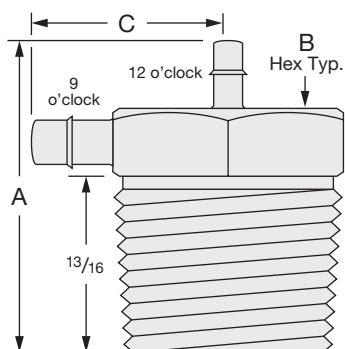
3/4LT7

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	1 1/16
.040 / 1mm	3/4LT.040	3/4LT.040-SS	3/4LT.040-316SS	3/4LT.040-NP	1 9/32	1 1/16	1 1/16
3/64	3/4LT.045	3/4LT.045-SS	3/4LT.045-316SS	3/4LT.045-NP	1 9/32	1 1/16	1 1/16
.050	3/4LT.050	3/4LT.050-SS	3/4LT.050-316SS	3/4LT.050-NP	1 9/32	1 1/16	1 1/16
1/16	3/4LT1	3/4LT1-SS	3/4LT1-316SS	3/4LT1-NP	1 11/32	1 1/16	1 3/16
5/64 / 2mm	3/4LT2	3/4LT2-SS	3/4LT2-316SS	3/4LT2-NP	1 11/32	1 1/16	1 3/16
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	1 3/16
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

3/4 NPT Male Thread to Tube Reducing L-Tees

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3/4RLT5-7

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/32	.031	1 9/32	1 1/16	1 1/16
.040 / 1mm	.040	1 9/32	1 1/16	1 1/16
3/64	.045	1 9/32	1 1/16	1 1/16
.050	.050	1 9/32	1 1/16	1 1/16
1/16	1	1 11/32	1 1/16	1 3/16
5/64 / 2mm	2	1 11/32	1 1/16	1 3/16
3/32	2 1/2	1 11/32	1 1/16	1 3/16
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

Branches		Dimensions (Reference)		
Tube ID	Branch Number	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:

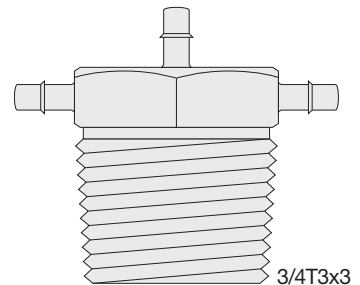
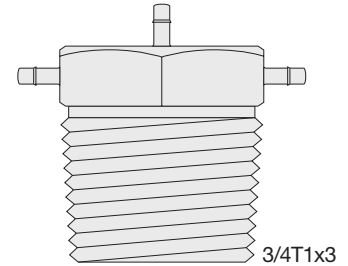
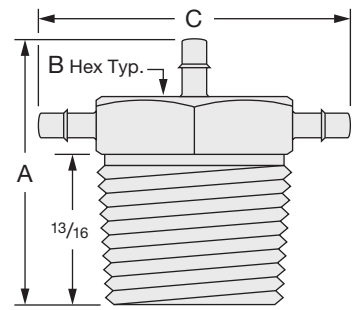
Thread Size	3/4	RLT	#	-	#	12 O'clock Branch #
		Fitting Series				9 O'clock Branch #

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

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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



Q

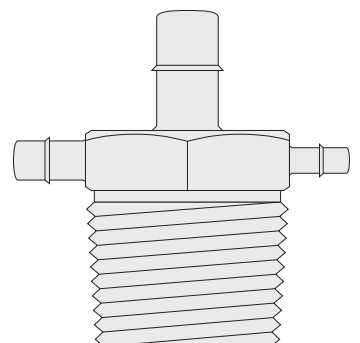
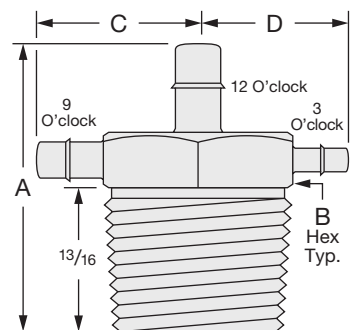
479

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	1 1/16	1 1/16
.040 / 1mm	.040	1 9/32	1 1/16	1 1/16	1 1/16
3/64	.045	1 9/32	1 1/16	1 1/16	1 1/16
.050	.050	1 9/32	1 1/16	1 1/16	1 1/16
1/16	1	1 11/32	1 1/16	1 3/16	1 3/16
5/64 / 2mm	2	1 11/32	1 1/16	1 3/16	1 3/16
3/32	2 1/2	1 11/32	1 1/16	1 3/16	1 3/16
1/8	3	1 5/16	1 1/16	2 7/32	2 7/32
5/32 / 4mm	3 1/2	1 5/16	1 1/16	2 7/32	2 7/32
.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	2 9/32	2 9/32
7/32	5 1/2	1 1/2	1 1/16	2 9/32	2 9/32
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

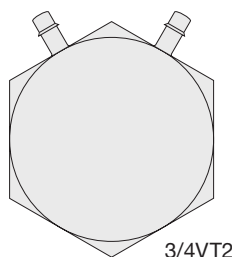
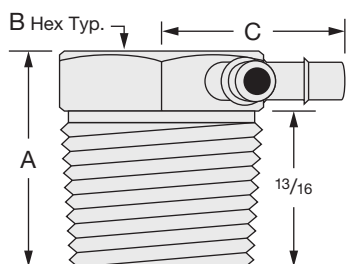
Part Numbers for 3/4 NPT Male Thread to Tube Reducing Tees x 3:					
Thread Size	3/4	RT	#	-	#
Fitting Series			9 O'clock Branch #		12 O'clock Branch #

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

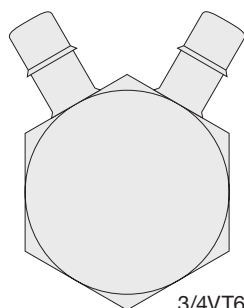
Note: Images are for visual representation only;
not intended for dimensional measurements.

3/4 NPT Male Thread to Tube V-Tees

480



3/4VT2

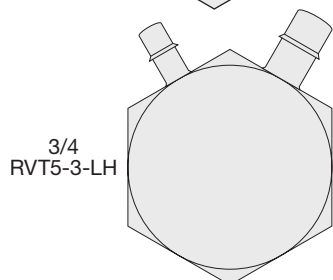
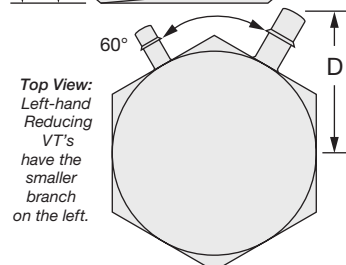
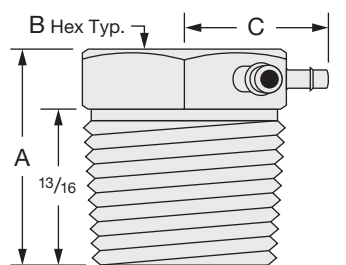


3/4VT6

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	1 1/16
.040 / 1mm	3/4VT.040	3/4VT.040-SS	3/4VT.040-316SS	3/4VT.040-NP	1 1/8	1 1/16	1 1/16
3/64	3/4VT.045	3/4VT.045-SS	3/4VT.045-316SS	3/4VT.045-NP	1 1/8	1 1/16	1 1/16
.050	3/4VT.050	3/4VT.050-SS	3/4VT.050-316SS	3/4VT.050-NP	1 1/8	1 1/16	1 1/16
1/16	3/4VT1	3/4VT1-SS	3/4VT1-316SS	3/4VT1-NP	1 1/8	1 1/16	1 3/16
5/64 / 2mm	3/4VT2	3/4VT2-SS	3/4VT2-316SS	3/4VT2-NP	1 1/8	1 1/16	1 3/16
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	1 3/16
1/8	3/4VT3	3/4VT3-SS	3/4VT3-316SS	3/4VT3-NP	1 1/8	1 1/16	2 7/32
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	2 7/32
.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	2 9/32
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	2 9/32
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

3/4 NPT Male Thread to Tube Reducing Left-Hand V-Tees

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Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	1 1/8	1 1/16	1 1/16	1 1/16
.040 / 1mm	.040	1 1/8	1 1/16	1 1/16	1 1/16
3/64	.045	1 1/8	1 1/16	1 1/16	1 1/16
.050	.050	1 1/8	1 1/16	1 1/16	1 1/16
1/16	1	1 1/8	1 1/16	1 3/16	1 3/16
5/64 / 2mm	2	1 1/8	1 1/16	1 3/16	1 3/16
3/32	2 1/2	1 1/8	1 1/16	1 3/16	1 3/16
1/8	3	1 1/8	1 1/16	2 7/32	2 7/32
5/32 / 4mm	3 1/2	1 1/8	1 1/16	2 7/32	2 7/32
.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	2 9/32	2 9/32
7/32	5 1/2	1 1/8	1 1/16	2 9/32	2 9/32
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: Dimensions may vary at time of manufacturing. Consult factory.

Part Numbers for 3/4 NPT Male Thread to Tube Left-Hand Reducing V-Tees:

Thread Size	3/4	RVT	#	-	#	-	LH	Left-Hand Indicator
		Fitting Series		Larger Branch #		Smaller 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

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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	1 1/16	1 1/16
.040 / 1mm	.040	1 1/8	1 1/16	1 1/16	1 1/16
3/64	.045	1 1/8	1 1/16	1 1/16	1 1/16
.050	.050	1 1/8	1 1/16	1 1/16	1 1/16
1/16	1	1 1/8	1 1/16	1 3/16	1 3/16
5/64 / 2mm	2	1 1/8	1 1/16	1 3/16	1 3/16
3/32	2 1/2	1 1/8	1 1/16	1 3/16	1 3/16
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

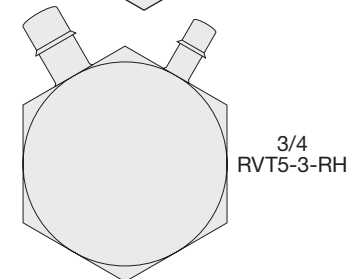
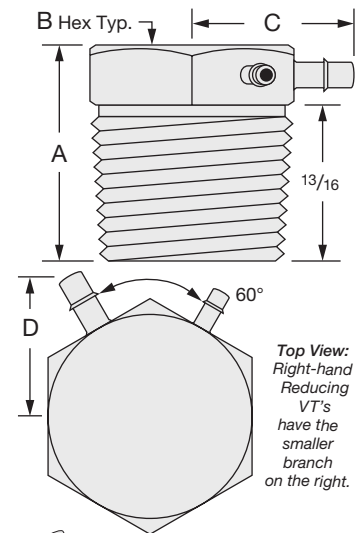
Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
3/16	5	1 1/8	1 1/16	29/32	29/32
7/32	5 1/2	1 1/8	1 1/16	29/32	29/32
6mm	5 3/4	1 1/8	1 1/16	1 1/32	1 1/32
1/4	6	1 1/8	1 1/16	1 1/32	1 1/32
5/16 / 8mm	7	1 1/4	1 1/16	1 5/32	1 5/32
3/8	8	1 1/4	1 1/16	1 1/16	1 1/16
1/2	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: Dimensions may vary at time of manufacturing. Consult factory.

Part Numbers for 3/4 NPT Male Thread to Tube Right-Hand Reducing V-Tees:



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

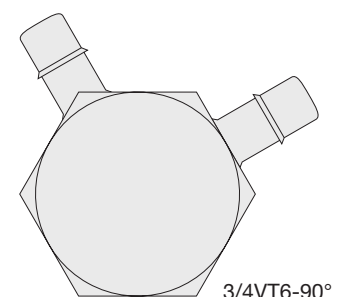
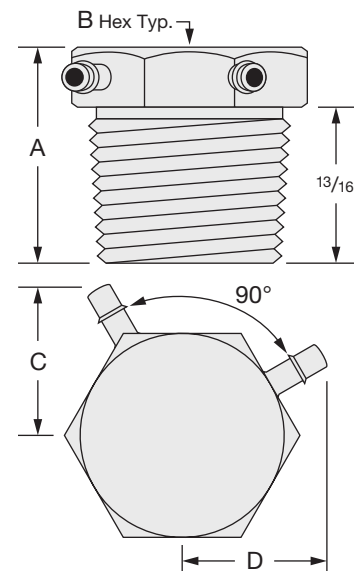


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483

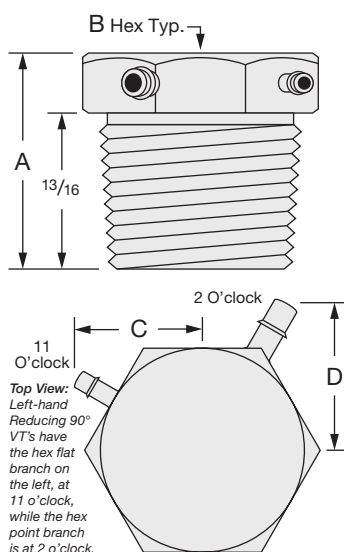
3/4 NPT Male Thread to Tube 90° V-Tees

Tube ID	Part Numbers				Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/32	3/4VT.031-90°	3/4VT.031-90°-SS	3/4VT.031-90°-316SS	3/4VT.031-90°-NP	1 1/8	1 1/16	1 1/16	1 1/16
.040 / 1mm	3/4VT.040-90°	3/4VT.040-90°-SS	3/4VT.040-90°-316SS	3/4VT.040-90°-NP	1 1/8	1 1/16	1 1/16	1 1/16
3/64	3/4VT.045-90°	3/4VT.045-90°-SS	3/4VT.045-90°-316SS	3/4VT.045-90°-NP	1 1/8	1 1/16	1 1/16	1 1/16
.050	3/4VT.050-90°	3/4VT.050-90°-SS	3/4VT.050-90°-316SS	3/4VT.050-90°-NP	1 1/8	1 1/16	1 1/16	1 1/16
1/16	3/4VT1-90°	3/4VT1-90°-SS	3/4VT1-90°-316SS	3/4VT1-90°-NP	1 1/8	1 1/16	1 3/16	1 3/16
5/64 / 2mm	3/4VT2-90°	3/4VT2-90°-SS	3/4VT2-90°-316SS	3/4VT2-90°-NP	1 1/8	1 1/16	1 3/16	1 3/16
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	1 1/8	1 1/16	1 3/16	1 3/16
1/8	1/2VT3-90°	1/2VT3-90°-SS	1/2VT3-90°-316SS	1/2VT3-90°-NP	1 1/8	1 1/16	27/32	27/32
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	1 1/8	1 1/16	27/32	27/32
.170	1/2VT4-90°	1/2VT4-90°-SS	1/2VT4-90°-316SS	1/2VT4-90°-NP	1 1/8	1 1/16	7/8	7/8
3/16	1/2VT5-90°	1/2VT5-90°-SS	1/2VT5-90°-316SS	1/2VT5-90°-NP	1 1/8	1 1/16	29/32	29/32
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	1 1/8	1 1/16	29/32	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 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	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	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 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	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	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	1 3/4



3/4 NPT Male Thread to Tube Reducing Left-Hand 90° V-Tees

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Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	1 1/8	1 1/16	1 1/16	Consult Factory
.040 / 1mm	.040	1 1/8	1 1/16	1 1/16	
3/64	.045	1 1/8	1 1/16	1 1/16	
.050	.050	1 1/8	1 1/16	1 1/16	
1/16	1	1 1/8	1 1/16	1 3/16	
5/64 / 2mm	2	1 1/8	1 1/16	1 3/16	
3/32	2 1/2	1 1/8	1 1/16	1 3/16	
1/8	3	1 1/8	1 1/16	2 7/32	
5/32 / 4mm	3 1/2	1 1/8	1 1/16	2 7/32	
.170	4	1 1/8	1 1/16	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	2 9/32	Consult Factory
7/32	5 1/2	1 1/8	1 1/16	2 9/32	
6mm	5 3/4	1 1/8	1 1/16	1 1/32	
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	

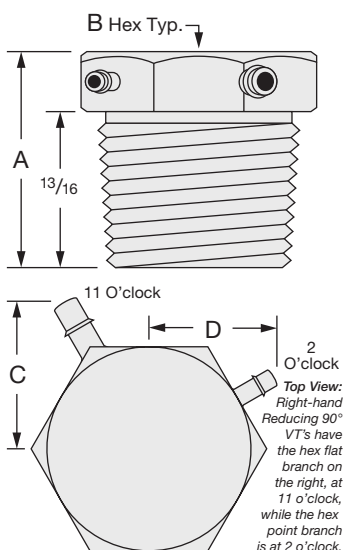
Note: For systems that do not allow the degree symbol (°) to be used, substitute with 'DEG' in the part number.

Part Numbers for 3/4 NPT Male Thread to Tube Reducing Left-Hand 90° V-Tees:



3/4 NPT Male Thread to Tube Reducing Right-Hand 90° V-Tees

485

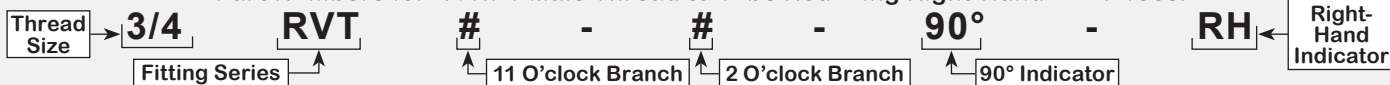


Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	1 1/8	1 1/16	1 1/16	Consult Factory
.040 / 1mm	.040	1 1/8	1 1/16	1 1/16	
3/64	.045	1 1/8	1 1/16	1 1/16	
.050	.050	1 1/8	1 1/16	1 1/16	
1/16	1	1 1/8	1 1/16	1 3/16	
5/64 / 2mm	2	1 1/8	1 1/16	1 3/16	
3/32	2 1/2	1 1/8	1 1/16	1 3/16	
1/8	3	1 1/8	1 1/16	2 7/32	
5/32 / 4mm	3 1/2	1 1/8	1 1/16	2 7/32	
.170	4	1 1/8	1 1/16	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	2 9/32	Consult Factory
7/32	5 1/2	1 1/8	1 1/16	2 9/32	
6mm	5 3/4	1 1/8	1 1/16	1 1/32	
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 with 'DEG' in the part number.

Part Numbers for 3/4 NPT Male Thread to Tube Reducing Right-Hand 90° V-Tees:



To order other materials, add the following codes to the part number:

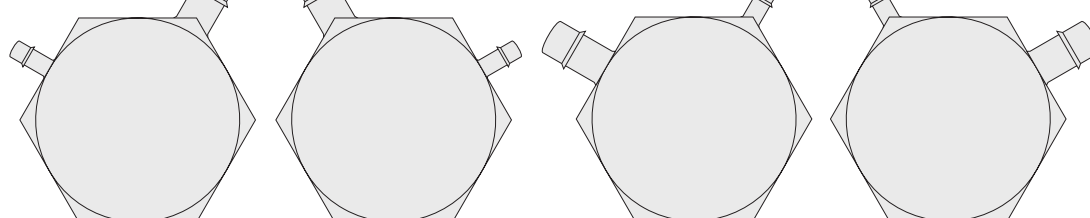
- SS = Stainless Steel 303
- 316SS = Stainless Steel 316
- NP = Electroless Nickel Plate

3/4RVT
4-2-90°-LH

3/4RVT
4-2-90°-RH

3/4RVT2-4-90°-LH

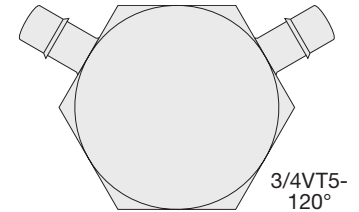
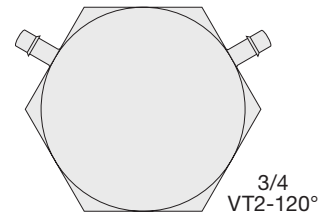
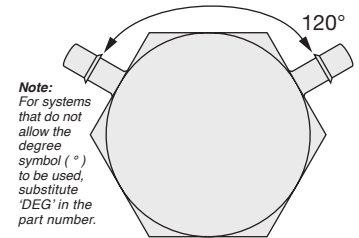
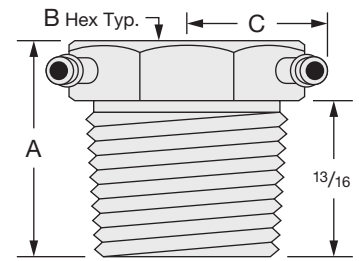
3/4RVT2-4-90°-RH



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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	1 1/16
.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	1 1/16
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	1 1/16
.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	1 1/16
1/16	3/4VT1-120°	3/4VT1-120°-SS	3/4VT1-120°-316SS	3/4VT1-120°-NP	1 1/8	1 1/16	1 3/16
5/64 / 2mm	3/4VT2-120°	3/4VT2-120°-SS	3/4VT2-120°-316SS	3/4VT2-120°-NP	1 1/8	1 1/16	1 3/16
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	1 1/8	1 1/16	1 3/16
1/8	1/2VT3-120°	1/2VT3-120°-SS	1/2VT3-120°-316SS	1/2VT3-120°-NP	1 1/8	1 1/16	2 7/32
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	1 1/8	1 1/16	2 7/32
.170	1/2VT4-120°	1/2VT4-120°-SS	1/2VT4-120°-316SS	1/2VT4-120°-NP	1 1/8	1 1/16	7/8
3/16	1/2VT5-120°	1/2VT5-120°-SS	1/2VT5-120°-316SS	1/2VT5-120°-NP	1 1/8	1 1/16	29/32
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	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



Q

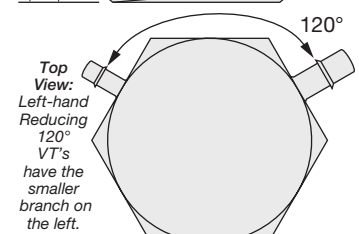
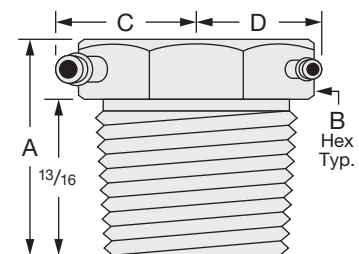
487

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	1 1/16	1 1/16
.040 / 1mm	.040	1 1/8	1 1/16	1 1/16	1 1/16
3/64	.045	1 1/8	1 1/16	1 1/16	1 1/16
.050	.050	1 1/8	1 1/16	1 1/16	1 1/16
1/16	1	1 1/8	1 1/16	1 3/16	1 3/16
5/64 / 2mm	2	1 1/8	1 1/16	1 3/16	1 3/16
3/32	2 1/2	1 1/8	1 1/16	1 3/16	1 3/16
1/8	3	1 1/8	1 1/16	2 7/32	2 7/32
5/32 / 4mm	3 1/2	1 1/8	1 1/16	2 7/32	2 7/32
.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!



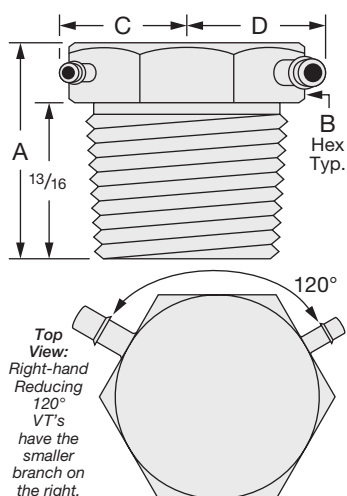
Note: For systems that do not allow the degree symbol (°) to be used, substitute it with 'DEG' in the part number.

Part Numbers for 3/4 NPT Male Thread to Tube Reducing 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

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

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	1 1/8	1 1/16	1 1/16	1 1/16
.040 / 1mm	.040	1 1/8	1 1/16	1 1/16	1 1/16
3/64	.045	1 1/8	1 1/16	1 1/16	1 1/16
.050	.050	1 1/8	1 1/16	1 1/16	1 1/16
1/16	1	1 1/8	1 1/16	1 3/16	1 3/16
5/64 / 2mm	2	1 1/8	1 1/16	1 3/16	1 3/16
3/32	2 1/2	1 1/8	1 1/16	1 3/16	1 3/16
1/8	3	1 1/8	1 1/16	2 7/32	2 7/32
5/32 / 4mm	3 1/2	1 1/8	1 1/16	2 7/32	2 7/32
.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	2 9/32	2 9/32
7/32	5 1/2	1 1/8	1 1/16	2 9/32	2 9/32
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

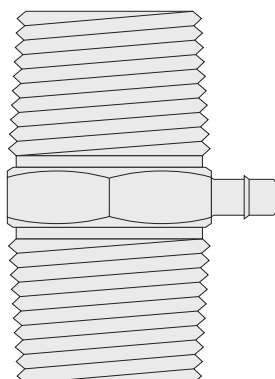
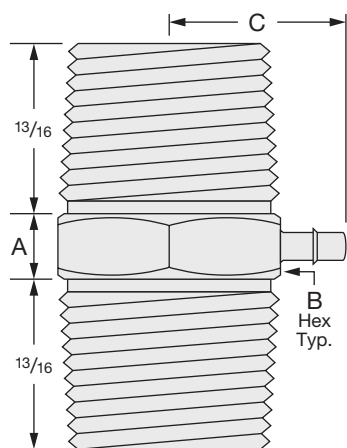
Material options listed on next page!

Part Numbers for 3/4 NPT Male Thread to Tube Reducing Left-Hand 120° V-Tees:

Thread Size	3/4	Fitting Series	RVT	#	-	#	-	120°	-	RH	Right-Hand Indicator
				Larger Branch #		Smaller Branch #		120° Indicator			

3/4 NPT Male Thread Nipples with Tube Branches: Tees

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3/4HN-T4

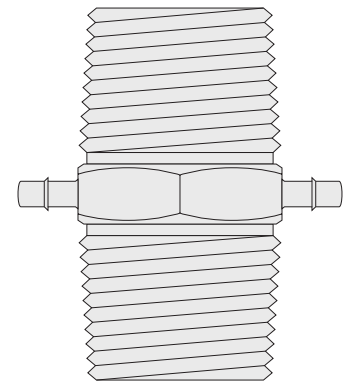
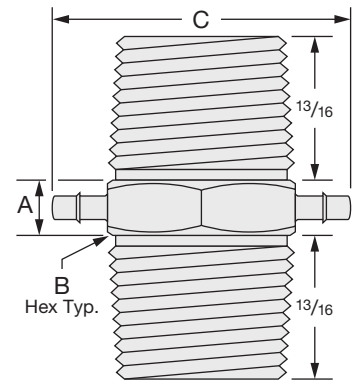
Note: Images are for visual representation only. Dimensions may vary at time of manufacturing. Consult factory for details.

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	1 1/16
.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	1 1/16
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	1 1/16
.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	1 1/16
1/16	3/4HN-T1	3/4HN-T1-SS	3/4HN-T1-316SS	3/4HN-T1-NP	5/16	1 1/16	1 3/16
5/64 / 2mm	3/4HN-T2	3/4HN-T2-SS	3/4HN-T2-316SS	3/4HN-T2-NP	5/16	1 1/16	1 3/16
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	1 3/16
1/8	3/4HN-T3	3/4HN-T3-SS	3/4HN-T3-316SS	3/4HN-T3-NP	5/16	1 1/16	2 7/32
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	2 7/32
.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	2 9/32
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	2 9/32
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

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3/4 NPT Male Thread 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 3/8
5/64 / 2mm	3/4HN-X2	3/4HN-X2-SS	3/4HN-X2-316SS	3/4HN-X2-NP	5/16	1 1/16	1 3/8
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 3/8
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 listed on page 427!

Q

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3/4 NPT Male Thread Nipples with Tube Branches: Reducing Crosses

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	5/16	1 1/16	1 1/16	1 1/16
.040 / 1mm	.040	5/16	1 1/16	1 1/16	1 1/16
3/64	.045	5/16	1 1/16	1 1/16	1 1/16
.050	.050	5/16	1 1/16	1 1/16	1 1/16
1/16	1	5/16	1 1/16	1 3/16	1 3/16
5/64 / 2mm	2	5/16	1 1/16	1 3/16	1 3/16
3/32	2 1/2	5/16	1 1/16	1 3/16	1 3/16
1/8	3	5/16	1 1/16	2 7/32	2 7/32
5/32 / 4mm	3 1/2	5/16	1 1/16	2 7/32	2 7/32
.170	4	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	5/16	1 1/16	2 9/32	2 9/32
7/32	5 1/2	5/16	1 1/16	2 9/32	2 9/32
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

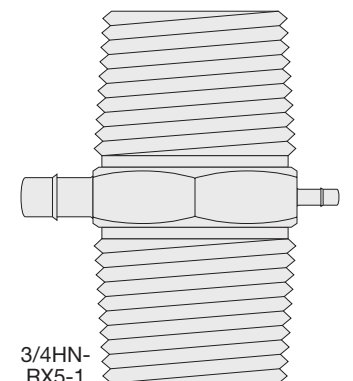
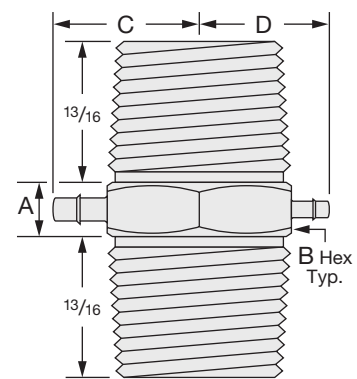
Unless otherwise specified, parts will be Brass.

Part Numbers for 3/4 NPT Nipples with Reducing Cross Branches:

Thread Size	3/4	HN-RX	#	-	#	Smaller Branch #
		Fitting Series				Larger Branch #

For materials other than Brass, add the following codes to the part number:

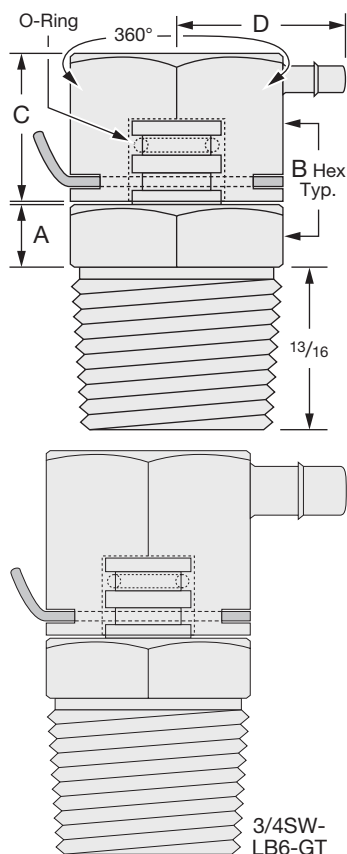
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate



3/4HN-RX5-1

3/4 NPT Male Thread to Tube Swivel Elbows with Clip Groove

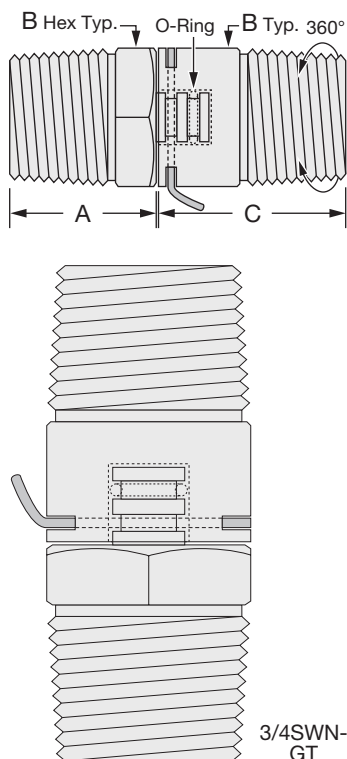
492



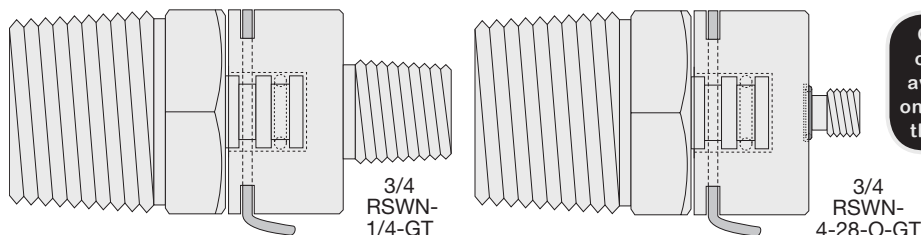
Tube ID	Part Numbers				Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/32	3/4SW-LB.031-GT	3/4SW-LB.031-GT-SS	3/4SW-LB.031-GT-316SS	3/4SW-LB.031-GT-NP	Consult Factory	1 1/16	Consult Factory	Consult Factory
.040 / 1mm	3/4SW-LB.040-GT	3/4SW-LB.040-GT-SS	3/4SW-LB.040-GT-316SS	3/4SW-LB.040-GT-NP	Consult Factory	1 1/16	Consult Factory	Consult Factory
3/64	3/4SW-LB.045-GT	3/4SW-LB.045-GT-SS	3/4SW-LB.045-GT-316SS	3/4SW-LB.045-GT-NP	Consult Factory	1 1/16	Consult Factory	Consult Factory
.050	3/4SW-LB.050-GT	3/4SW-LB.050-GT-SS	3/4SW-LB.050-GT-316SS	3/4SW-LB.050-GT-NP	Consult Factory	1 1/16	Consult Factory	Consult Factory
1/16	3/4SW-LB1-GT	3/4SW-LB1-GT-SS	3/4SW-LB1-GT-316SS	3/4SW-LB1-GT-NP	Consult Factory	1 1/16	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	Consult Factory	1 1/16	Consult Factory	Consult Factory
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	Consult Factory	1 1/16	Consult Factory	Consult Factory
1/8	3/4SW-LB3-GT	3/4SW-LB3-GT-SS	3/4SW-LB3-GT-316SS	3/4SW-LB3-GT-NP	Consult Factory	1 1/16	Consult Factory	Consult Factory
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	Consult Factory	1 1/16	Consult Factory	Consult Factory
.170	3/4SW-LB4-GT	3/4SW-LB4-GT-SS	3/4SW-LB4-GT-316SS	3/4SW-LB4-GT-NP	Consult Factory	1 1/16	Consult Factory	Consult Factory
3/16	3/4SW-LB5-GT	3/4SW-LB5-GT-SS	3/4SW-LB5-GT-316SS	3/4SW-LB5-GT-NP	Consult Factory	1 1/16	Consult Factory	Consult Factory
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	Consult Factory	1 1/16	Consult Factory	Consult Factory
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	Consult Factory	1 1/16	Consult Factory	Consult Factory
1/4	3/4SW-LB6-GT	3/4SW-LB6-GT-SS	3/4SW-LB6-GT-316SS	3/4SW-LB6-GT-NP	Consult Factory	1 1/16	Consult Factory	Consult Factory
5/16 / 8mm	3/4SW-LB7-GT	3/4SW-LB7-GT-SS	3/4SW-LB7-GT-316SS	3/4SW-LB7-GT-NP	Consult Factory	1 1/16	Consult Factory	Consult Factory
3/8	3/4SW-LB8-GT	3/4SW-LB8-GT-SS	3/4SW-LB8-GT-316SS	3/4SW-LB8-GT-NP	Consult Factory	1 1/16	Consult Factory	Consult Factory
1/2	3/4SW-LB10-GT	3/4SW-LB10-GT-SS	3/4SW-LB10-GT-316SS	3/4SW-LB10-GT-NP	Consult Factory	1 1/16	Consult Factory	Consult Factory

3/4 NPT Male Thread Swivel Nipples and Reducing Swivel Nipples

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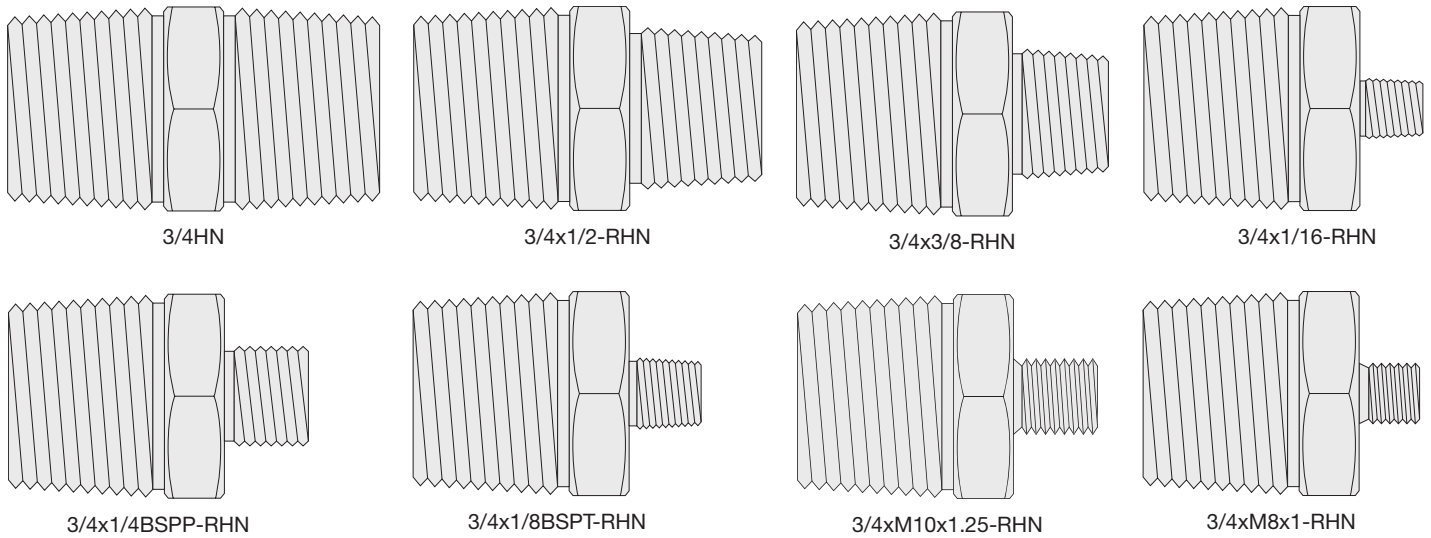
9 O'clock Thread Size	3 O'clock Thread Size	Part Numbers					Dimensions (Reference)		
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
3/4	3/4	3/4SWN-GT	3/4SWN-GT-SS	3/4SWN-GT-316SS	3/4SWN-GT-AL	3/4SWN-GT-NP	Consult Factory	1 1/16	Consult 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	Consult Factory	1 1/16	Consult Factory
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	Consult Factory	1 1/16	Consult Factory
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	Consult Factory	1 1/16	Consult Factory
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	Consult Factory	1 1/16	Consult Factory
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	Consult Factory	1 1/16	Consult Factory
3/4	5/16-18	3/4RSWN-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	Consult Factory	1 1/16	Consult Factory
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	Consult Factory	1 1/16	Consult Factory
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	Consult Factory	1 1/16	Consult Factory
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	Consult Factory	1 1/16	Consult Factory
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	Consult Factory	1 1/16	Consult Factory



O-Ring options available on parallel threads!

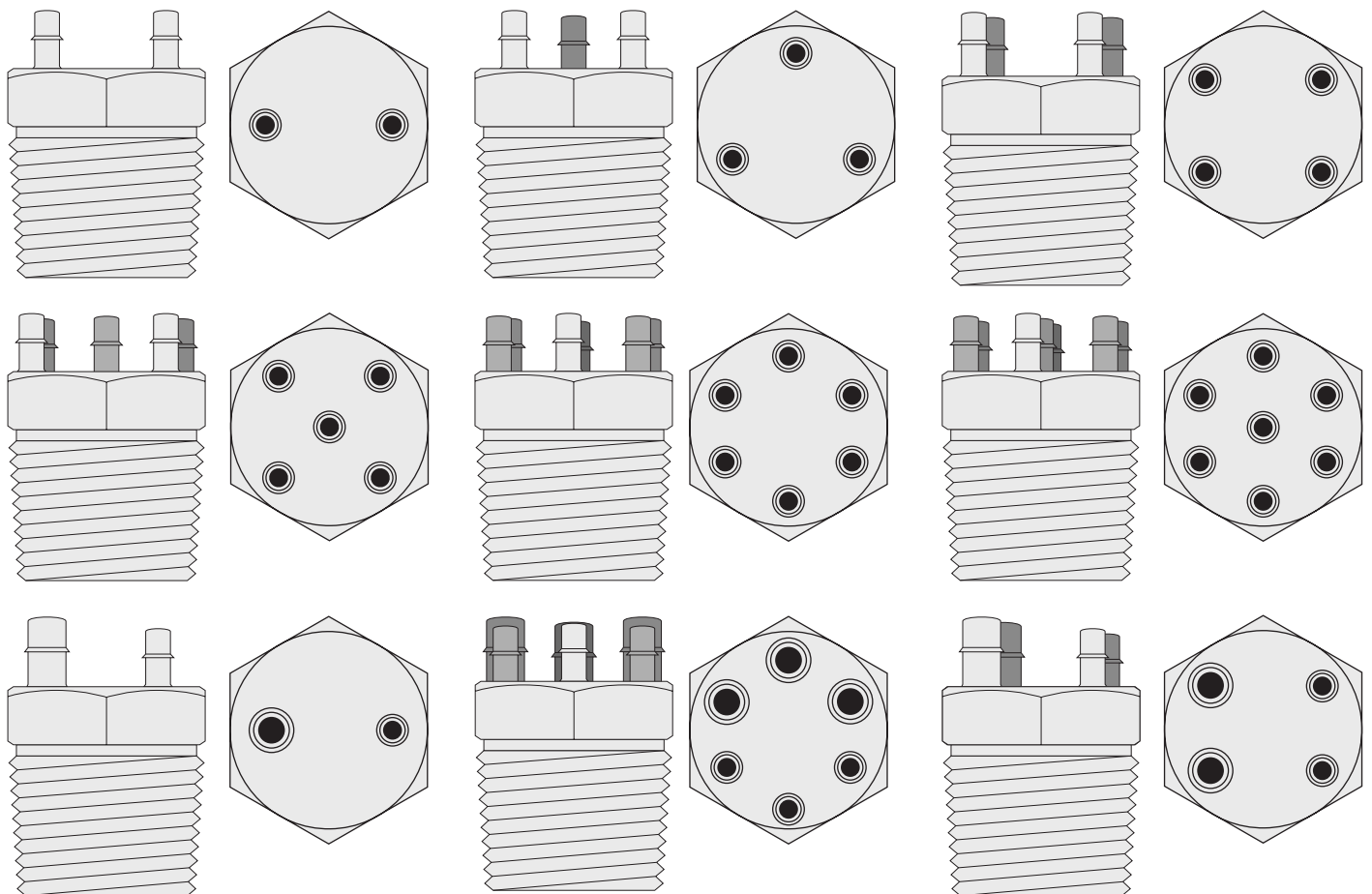
See GT Series (pages 506 - 515) for other Swivel options!!

3/4" NPT Male Thread Hex & Reducing Hex Nipples also Available! Consult Factory for Details!



3/4" NPT Male Thread Straight Multi-Branch Manifolds Available! Consult Factory for Details!

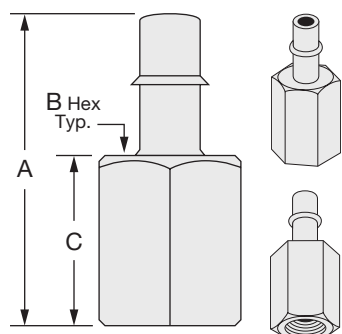
Q



1" & larger male threaded fittings also available! Consult factory for details!

1/4-28 (4-28) Female Thread to Tube Straight Fitting

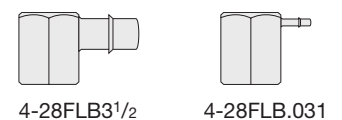
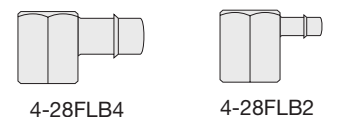
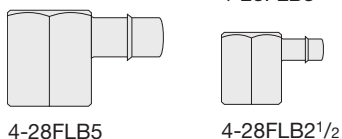
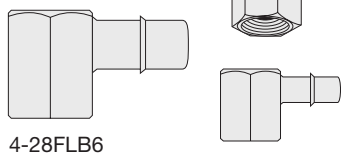
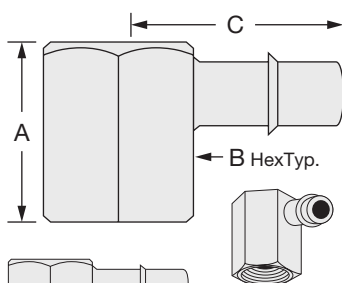
494



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	1 1/16	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	1 1/16	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

1/4-28 (4-28) Female Thread to Tube Elbows

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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

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!

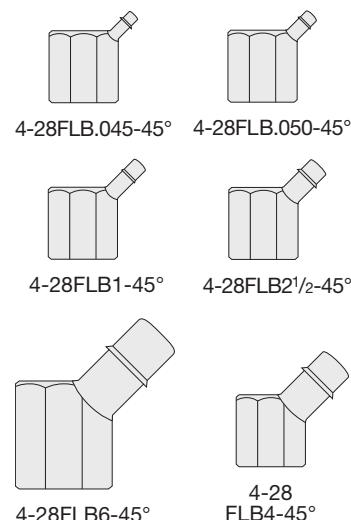
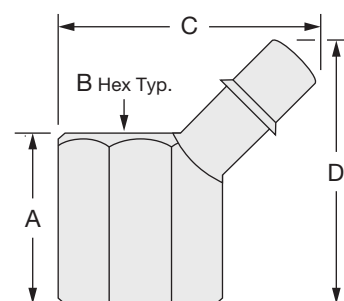
Note: Images are for visual representation only; not intended for dimensional measurements. Dimensions may vary at time of manufacturing.

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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.



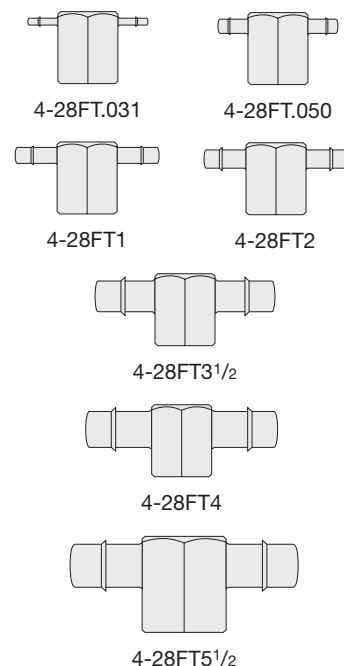
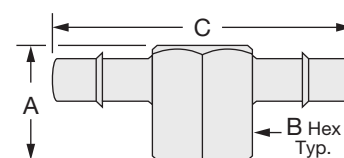
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497

1/4-28 (4-28) Female Thread to Tube Tees

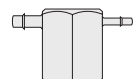
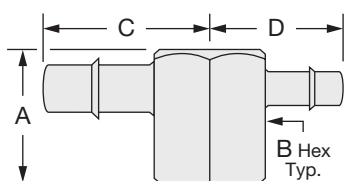
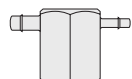
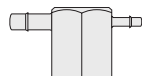
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	4-28FT.031	4-28FT.031-SS	4-28FT.031-316SS	4-28FT.031-NP	3/8	5/16	5/8
.040 / 1mm	4-28FT.040	4-28FT.040-SS	4-28FT.040-316SS	4-28FT.040-NP	3/8	5/16	5/8
3/64	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!

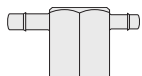


1/4-28 (4-28) Female Thread to Tube Reducing Tees

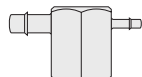
498


4-28
FRT.045-.031

4-28
FRT.050-.040


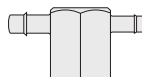
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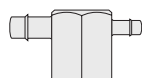
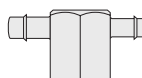
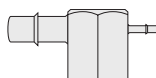
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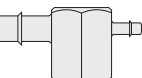
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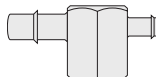
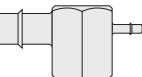
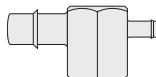
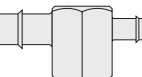
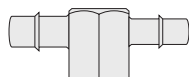
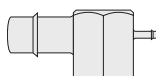
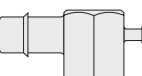
4-28FRT2-1


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

4-28
FRT3 1/2-1

4-28
FRT3 1/2-2 1/2

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.

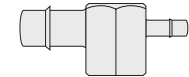
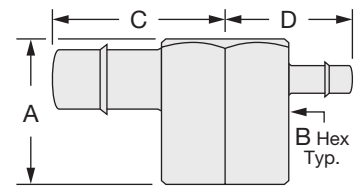
**1/4-20 (4-20) Female
Threads available! Consult
factory for details!**

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

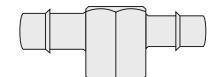
499

1/4-28 (4-28) Female Thread to Tube Reducing Tees (continued)

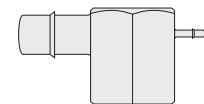
Tube ID		Part Numbers				Dimensions (Reference)			
Larger Branch	Smaller Branch	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
.170	.050	4-28FRT4-.050	4-28FRT4-.050-SS	4-28FRT4-.050-316SS	4-28FRT4-.050-NP	3/8	5/16	1/2	5/16
.170	1/16	4-28FRT4-1	4-28FRT4-1-SS	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



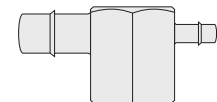
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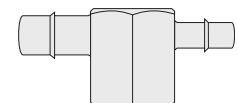
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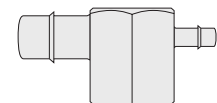
4-28FRT5-.031



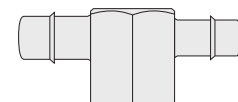
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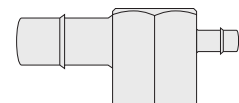
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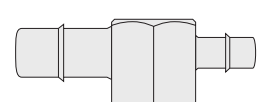
4-28FRT5 1/2-2



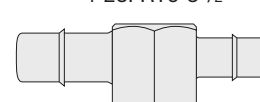
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4-28FRT5 3/4-2 1/2



4-28FRT6-3 1/2

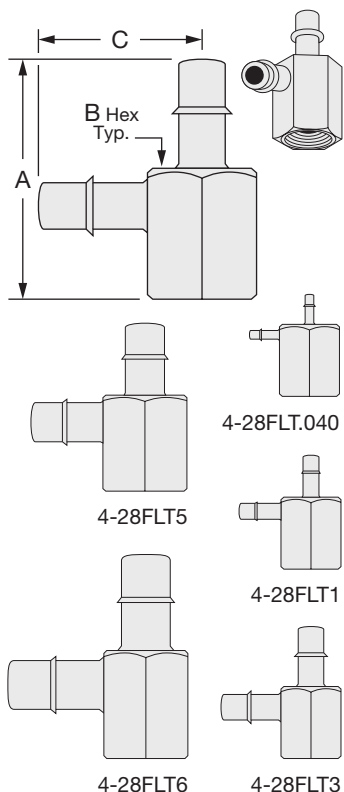


4-28FRT6-5

Note: Dimensions may vary at time of manufacturing.

1/4-28 (4-28) Female Thread to Tube L-Tees

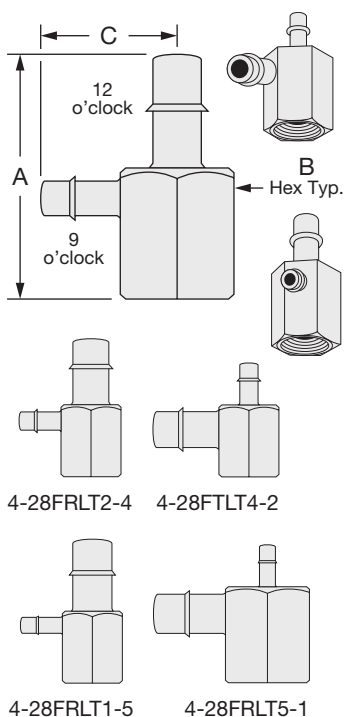
500



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	1 1/16	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	1 1/16	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

1/4-28 (4-28) Female Thread to Tube Reducing L-Tees

501



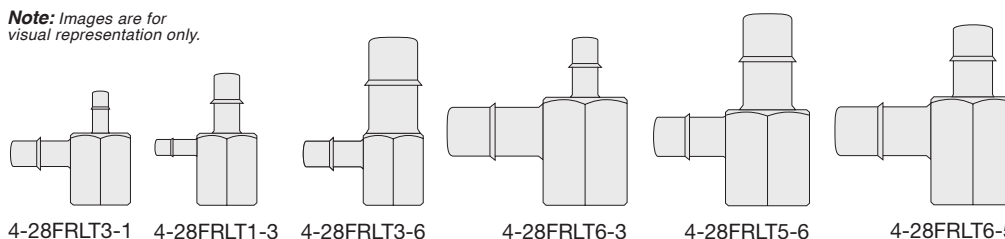
Branches		Dimensions (Reference)		
Tube ID	Branch #	A Ref.	B Typ.	C Ref.
1/32	.031	Consult Factory	7/16	5/16
.040 / 1mm	.040		7/16	5/16
3/64	.045		7/16	5/16
.050	.050		7/16	5/16
1/16	1	Consult Factory	7/16	3/8
5/64 / 2mm	2		7/16	3/8
3/32	2 1/2		7/16	3/8
1/8	3		7/16	15/32
5/32 / 4mm	3 1/2	Consult Factory	7/16	15/32
.170	4		7/16	1/2
3/16	5		7/16	23/32
7/32	5 1/2		7/16	23/32
6mm	5 3/4	Consult Factory	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.



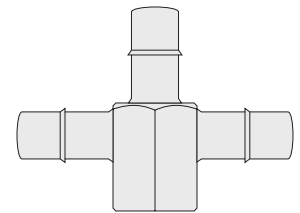
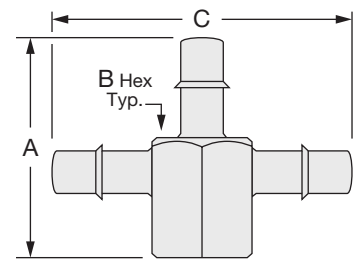
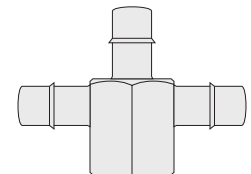
Unless otherwise specified, parts will be Brass. For other materials, add the following codes to the part number:
 -SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

1/4-20 (4-20) Female Thread fittings available! Lead times and minimum quantities may apply! Consult factory for details!

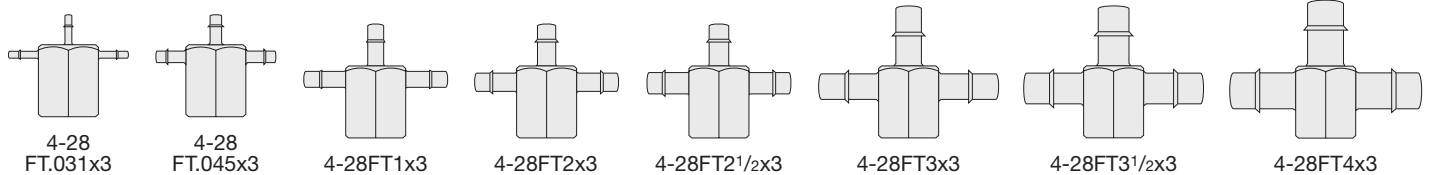
502

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 / ₂ x3	4-28FT2 ¹ / ₂ x3-SS	4-28FT2 ¹ / ₂ x3-316SS	4-28FT2 ¹ / ₂ x3-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 / ₂ x3	4-28FT3 ¹ / ₂ x3-SS	4-28FT3 ¹ / ₂ x3-316SS	4-28FT3 ¹ / ₂ x3-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	17/16
7/32	4-28FT5 ¹ / ₂ x3	4-28FT5 ¹ / ₂ x3-SS	4-28FT5 ¹ / ₂ x3-316SS	4-28FT5 ¹ / ₂ x3-NP	7/8	7/16	17/16
6mm	4-28FT5 ³ / ₄ x3	4-28FT5 ³ / ₄ x3-SS	4-28FT5 ³ / ₄ x3-316SS	4-28FT5 ³ / ₄ x3-NP	11/16	7/16	19/16
1/4	4-28FT6x3	4-28FT6x3-SS	4-28FT6x3-316SS	4-28FT6x3-NP	11/16	7/16	19/16


4-28FT5³/₄x3


4-28FT5x3



R

503

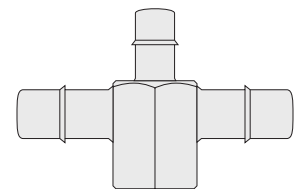
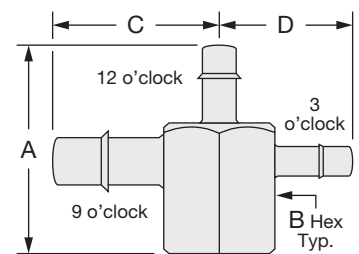
1/4-28 (4-28) Female Thread to Tube Reducing Tees x 3

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	Consult Factory	5/16	5/16	5/16
3/64	.045	Consult Factory	5/16	5/16	5/16
.050	.050	Consult Factory	5/16	5/16	5/16

Material options on previous page!

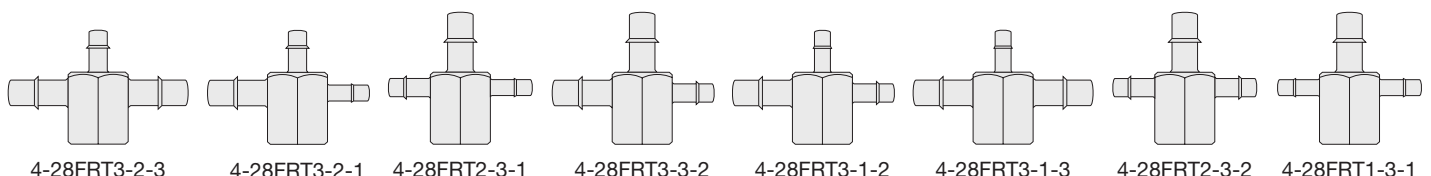
Branches		Dimensions (Reference)			
Tube ID	Branch #	A Ref.	B Typ.	C Ref.	D Ref.
1/16	1	Consult Factory	5/16	3/8	3/8
5/64 / 2mm	2	Consult Factory	5/16	3/8	3/8
3/32	2 ¹ / ₂	Consult Factory	5/16	3/8	3/8
1/8	3	Consult Factory	5/16	15/32	15/32
5/32 / 4mm	3 ¹ / ₂	Consult Factory	5/16	15/32	15/32

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	Consult Factory	7/16	23/32	23/32
7/32	5 ¹ / ₂	Consult Factory	7/16	23/32	23/32
6mm	5 ³ / ₄	Consult Factory	1/2	25/32	25/32
1/4	6	Consult Factory	1/2	25/32	25/32



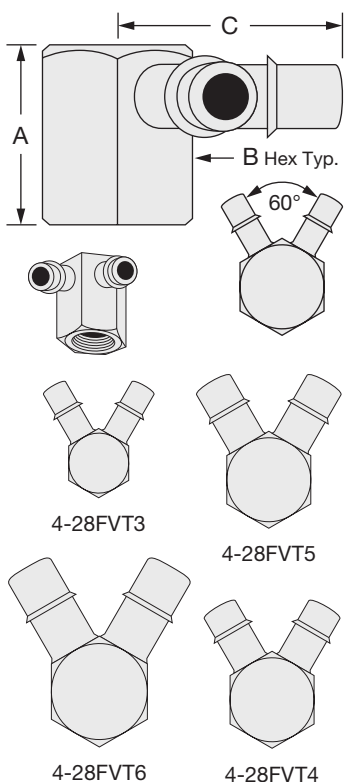
4-28FT6-5-6

Part Numbers for 1/4-28 (4-28) NPT Female Thread to Tube Reducing L-Tees:



1/4-28 (4-28) Female Thread to Tube V-Tees

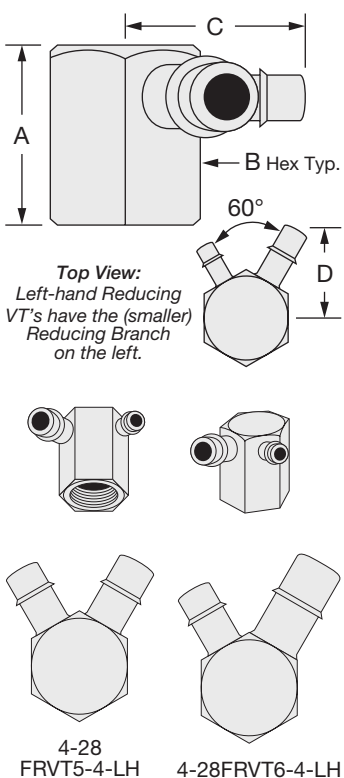
504



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	5/16
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	5/16
.170	4-28FVT4	4-28FVT4-SS	4-28FVT4-316SS	4-28FVT4-NP	3/8	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

1/4-28 (4-28) Female Thread to Tube Custom Reducing Left-Hand V-Tees

505

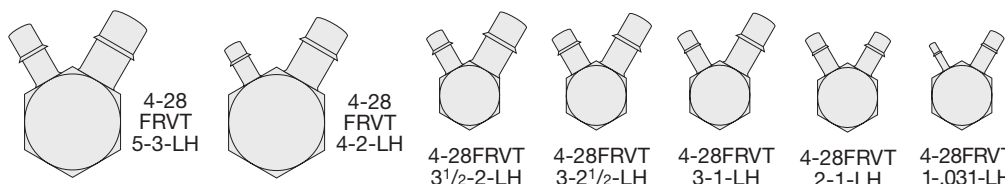


Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	3/8	5/16	5/16	5/16
.040 / 1mm	.040	3/8	5/16	5/16	5/16
3/64	.045	3/8	5/16	5/16	5/16
.050	.050	3/8	5/16	5/16	5/16
1/16	1	3/8	5/16	3/8	3/8
5/64 / 2mm	2	3/8	5/16	3/8	3/8
3/32	2 1/2	3/8	5/16	3/8	3/8

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/8	3	3/8	5/16	5/16	5/16
5/32 / 4mm	3 1/2	3/8	5/16	5/16	5/16
.170	4	3/8	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. For other materials, add the following codes to the part number:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

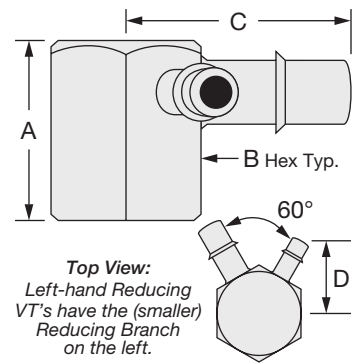
506

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	5/16	5/16
5/32 / 4mm	3 1/2	3/8	5/16	5/16	5/16

Branches		Dimensions (Reference)			
Tube ID	Branch #	A Ref.	B Typ.	C Ref.	D Ref.
.170	4	3/8	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

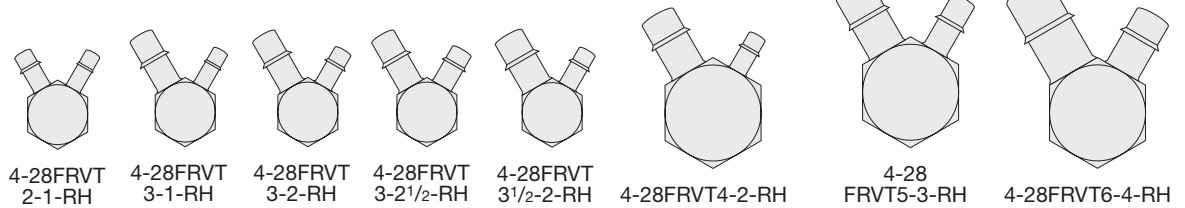


Note: .025 branch (1/50" tube ID) available upon request. Consult factory for details!

Part Numbers for 1/4-28 (4-28) NPT Female Thread to Tube Reducing Right-Hand V-Tees:

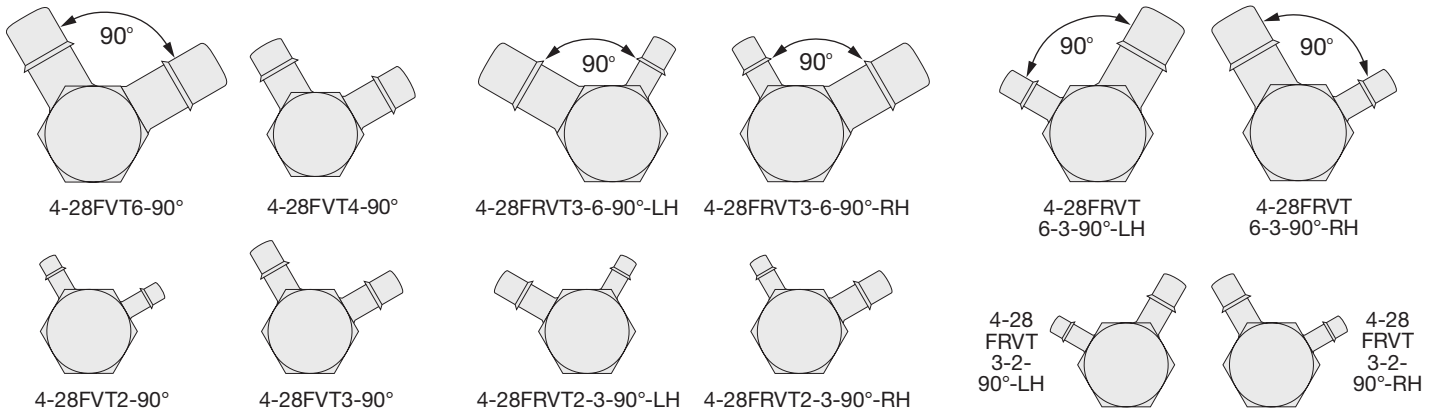


1/4-20 Female Threads also available! Consult factory for details!

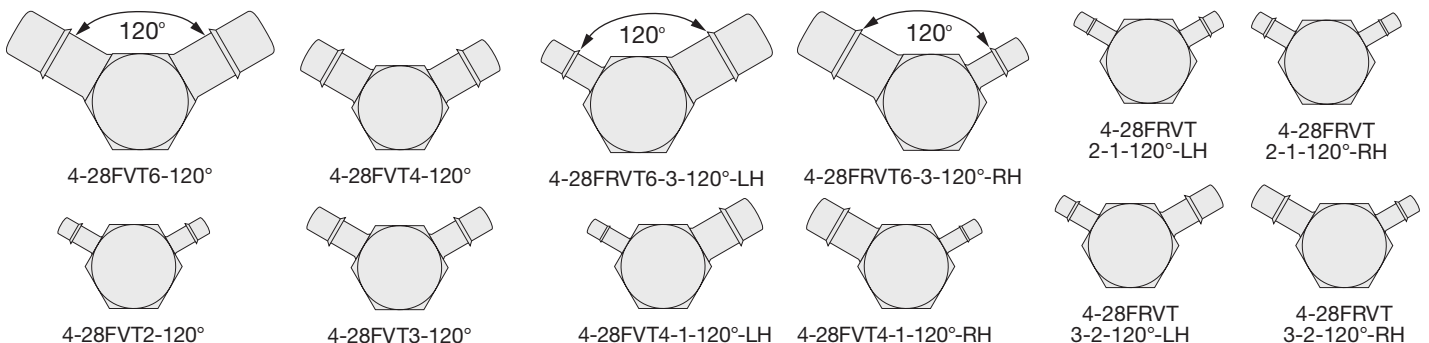


Unless otherwise specified, parts will be Brass. To order other materials, please add the following codes to the part number:
 -SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

1/4-28 Female Thread to Tube Custom 90° V-Tees and Reducing V-Tees available! Consult factory for details!

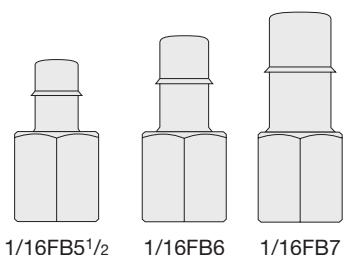
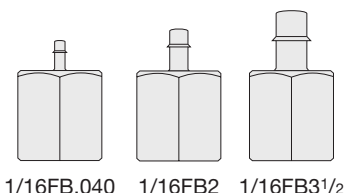
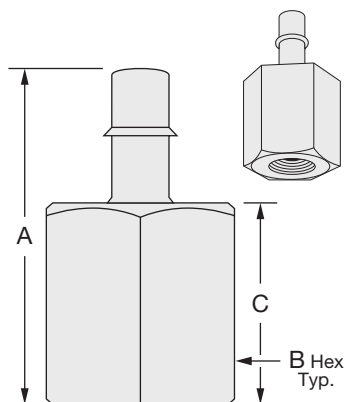


1/4-28 Female Thread to Tube Custom 120° V-Tees and Reducing V-Tees available! Consult factory for details!



1/16 Female Thread to Tube

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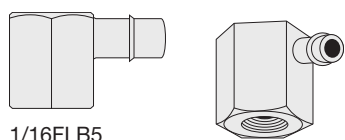
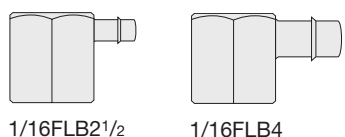
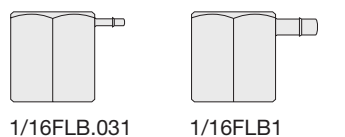
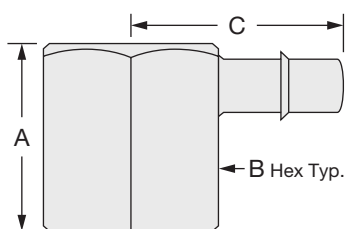


Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/16FB.031	1/16FB.031-SS	1/16FB.031-316SS	N/A	1/16FB.031-NP	5/8	7/16	15/32
.040 / 1mm	1/16FB.040	1/16FB.040-SS	1/16FB.040-316SS	N/A	1/16FB.040-NP	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	1 1/16	7/16	15/32
5/64 / 2mm	1/16FB2	1/16FB2-SS	1/16FB2-316SS	1/16FB2-AL	1/16FB2-NP	1 1/16	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	1 1/16	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	13/32	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 Female Thread to Tube Elbows

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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

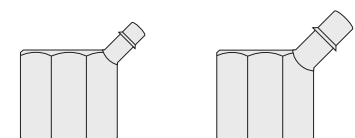
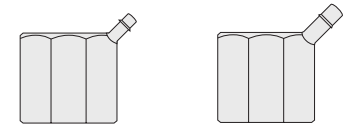
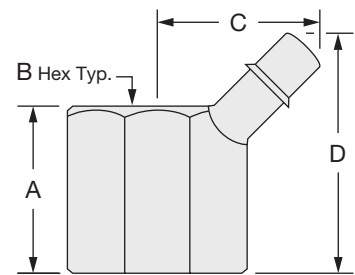
Other branch sizes available!
Consult factory for details!

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1/16 Female Thread to Tube 45° Elbows

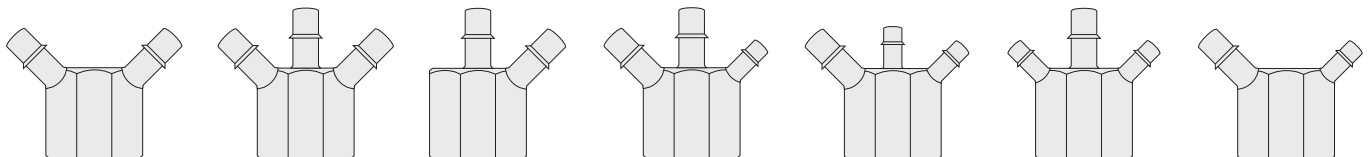
Tube ID	Part Numbers				Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/32	1/16FLB.031-45°	1/16FLB.031-45°-SS	1/16FLB.031-45°-316SS	1/16FLB.031-45°-NP	15/32	7/16	Consult Factory	Consult Factory
.040 / 1mm	1/16FLB.040-45°	1/16FLB.040-45°-SS	1/16FLB.040-45°-316SS	1/16FLB.040-45°-NP	15/32	7/16	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory
.050	1/16FLB.050-45°	1/16FLB.050-45°-SS	1/16FLB.050-45°-316SS	1/16FLB.050-45°-NP	15/32	7/16	Consult Factory	Consult Factory
1/16	1/16FLB1-45°	1/16FLB1-45°-SS	1/16FLB1-45°-316SS	1/16FLB1-45°-NP	15/32	7/16	Consult Factory	Consult Factory
5/64 / 2mm	1/16FLB2-45°	1/16FLB2-45°-SS	1/16FLB2-45°-316SS	1/16FLB2-45°-NP	15/32	7/16	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory
1/8	1/16FLB3-45°	1/16FLB3-45°-SS	1/16FLB3-45°-316SS	1/16FLB3-45°-NP	15/32	7/16	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory
.170	1/16FLB4-45°	1/16FLB4-45°-SS	1/16FLB4-45°-316SS	1/16FLB4-45°-NP	15/32	7/16	Consult Factory	Consult Factory

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



1/16FLB.045-45° 1/16FLB1-45°
1/16FLB2-45° 1/16FLB3-45°

Custom 1/16 Female Thread to Tube Fittings available! Lead times apply! Consult factory for details!

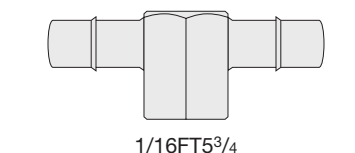
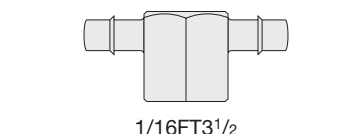
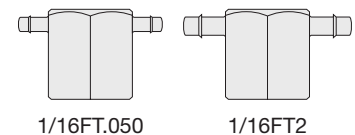
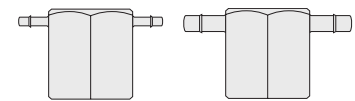
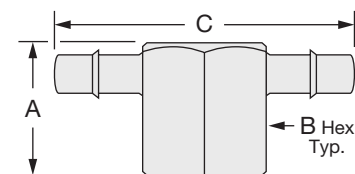


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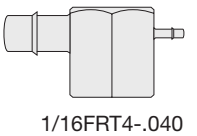
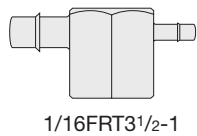
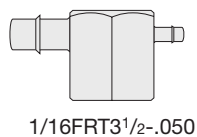
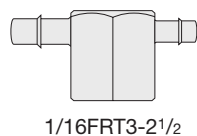
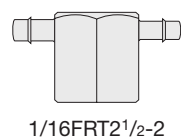
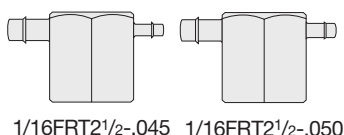
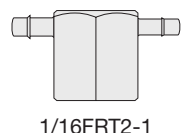
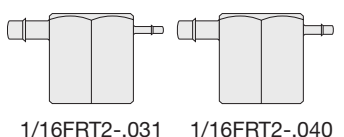
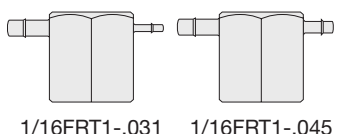
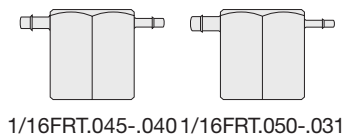
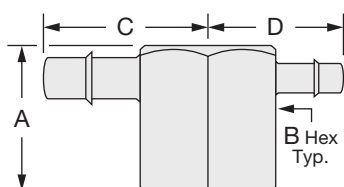
1/16 Female Thread to Tube Tees

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 Female Thread to Tube Reducing Tees

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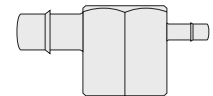
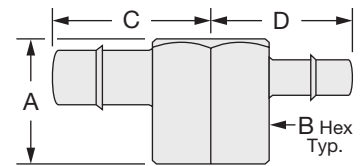
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Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
.040 / 1mm	1/32	1/16FRT.040-.031	1/16FRT.040-.031-SS	1/16FRT.040-.031-316SS	1/16FRT.040-.031-NP	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	1/16FRT2 1/2-.031	1/16FRT2 1/2-.031-SS	1/16FRT2 1/2-.031-316SS	1/16FRT2 1/2-.031-NP	15/32	7/16	7/16	3/8
3/32	.040 / 1mm	1/16FRT2 1/2-.040	1/16FRT2 1/2-.040-SS	1/16FRT2 1/2-.040-316SS	1/16FRT2 1/2-.040-NP	15/32	7/16	7/16	3/8
3/32	3/64	1/16FRT2 1/2-.045	1/16FRT2 1/2-.045-SS	1/16FRT2 1/2-.045-316SS	1/16FRT2 1/2-.045-NP	15/32	7/16	7/16	3/8
3/32	.050	1/16FRT2 1/2-.050	1/16FRT2 1/2-.050-SS	1/16FRT2 1/2-.050-316SS	1/16FRT2 1/2-.050-NP	15/32	7/16	7/16	3/8
3/32	1/16	1/16FRT2 1/2-1	1/16FRT2 1/2-1-SS	1/16FRT2 1/2-1-316SS	1/16FRT2 1/2-1-NP	15/32	7/16	7/16	7/16
3/32	5/64 / 2mm	1/16FRT2 1/2-2	1/16FRT2 1/2-2-SS	1/16FRT2 1/2-2-316SS	1/16FRT2 1/2-2-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	1/16FRT3-2 1/2	1/16FRT3-2 1/2-SS	1/16FRT3-2 1/2-316SS	1/16FRT3-2 1/2-NP	15/32	7/16	17/32	7/16
5/32 / 4mm	1/32	1/16FRT3 1/2-.031	1/16FRT3 1/2-.031-SS	1/16FRT3 1/2-.031-316SS	1/16FRT3 1/2-.031-NP	15/32	7/16	17/32	3/8
5/32 / 4mm	.040 / 1mm	1/16FRT3 1/2-.040	1/16FRT3 1/2-.040-SS	1/16FRT3 1/2-.040-316SS	1/16FRT3 1/2-.040-NP	15/32	7/16	17/32	3/8
5/32 / 4mm	3/64	1/16FRT3 1/2-.045	1/16FRT3 1/2-.045-SS	1/16FRT3 1/2-.045-316SS	1/16FRT3 1/2-.045-NP	15/32	7/16	17/32	3/8
5/32 / 4mm	.050	1/16FRT3 1/2-.050	1/16FRT3 1/2-.050-SS	1/16FRT3 1/2-.050-316SS	1/16FRT3 1/2-.050-NP	15/32	7/16	17/32	3/8
5/32 / 4mm	1/16	1/16FRT3 1/2-1	1/16FRT3 1/2-1-SS	1/16FRT3 1/2-1-316SS	1/16FRT3 1/2-1-NP	15/32	7/16	17/32	7/16
5/32 / 4mm	5/64 / 2mm	1/16FRT3 1/2-2	1/16FRT3 1/2-2-SS	1/16FRT3 1/2-2-316SS	1/16FRT3 1/2-2-NP	15/32	7/16	17/32	7/16
5/32 / 4mm	3/32	1/16FRT3 1/2-2 1/2	1/16FRT3 1/2-2 1/2-SS	1/16FRT3 1/2-2 1/2-316SS	1/16FRT3 1/2-2 1/2-NP	15/32	7/16	17/32	7/16
5/32 / 4mm	1/8	1/16FRT3 1/2-3	1/16FRT3 1/2-3-SS	1/16FRT3 1/2-3-316SS	1/16FRT3 1/2-3-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

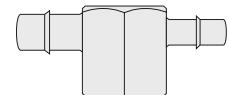
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1/16 Female Thread to Tube Reducing Tees (continued)

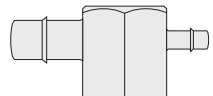
Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
.170	1/16	1/16FRT4-1	1/16FRT4-1-SS	1/16FRT4-1-316SS	1/16FRT4-1-NP	15/32	7/16	9/16	7/16
.170	5/64 / 2mm	1/16FRT4-2	1/16FRT4-2-SS	1/16FRT4-2-316SS	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



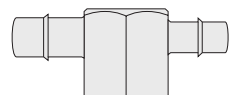
1/16FRT4-1



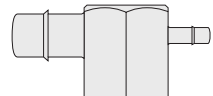
1/16FRT4-3



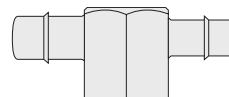
1/16FRT5-2



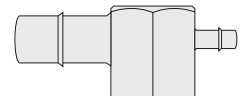
1/16FRT5-3 1/2



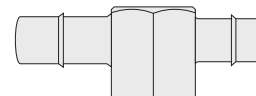
1/16FRT5 1/2-1



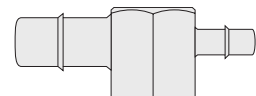
1/16FRT5 1/2-4



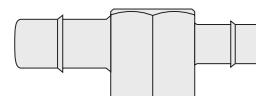
1/16FRT5 3/4-2



1/16FRT5 3/4-5 1/2



1/16FRT6-3

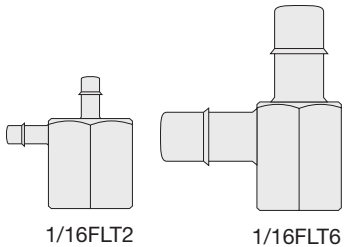
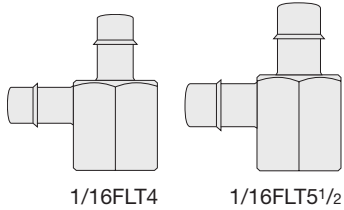
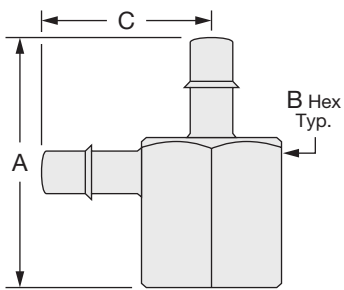


1/16FRT6-5

S

1/16 Female Thread to Tube L-Tees

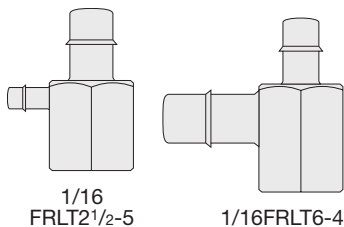
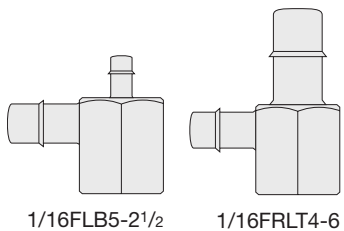
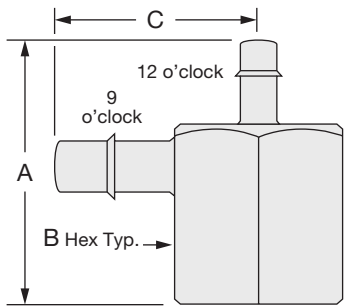
513



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	1 1/16	7/16	7/16
5/64 / 2mm	1/16FLT2	1/16FLT2-SS	1/16FLT2-316SS	1/16FLT2-NP	1 1/16	7/16	7/16
3/32	1/16FLT2 1/2	1/16FLT2 1/2-SS	1/16FLT2 1/2-316SS	1/16FLT2 1/2-NP	1 1/16	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	1/16FLT3 1/2	1/16FLT3 1/2-SS	1/16FLT3 1/2-316SS	1/16FLT3 1/2-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	1/16FLT5 1/2	1/16FLT5 1/2-SS	1/16FLT5 1/2-316SS	1/16FLT5 1/2-NP	7/8	7/16	19/32
6mm	1/16FLT5 3/4	1/16FLT5 3/4-SS	1/16FLT5 3/4-316SS	1/16FLT5 3/4-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

1/16 Female Thread to Tube Reducing L-Tees

514

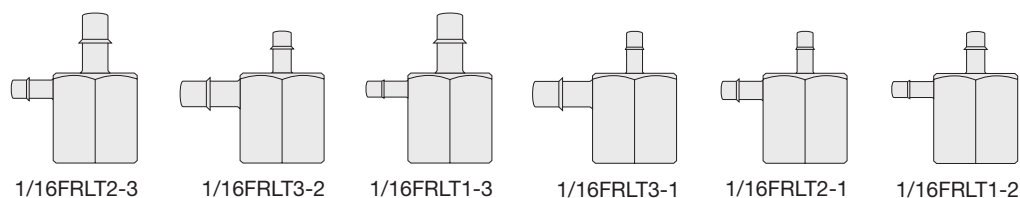


Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/32	.031	Consult Factory	7/16	3/8
.040 / 1mm	.040		7/16	3/8
3/64	.045		7/16	3/8
.050	.050		7/16	3/8
1/16	1		7/16	7/16
5/64 / 2mm	2		7/16	7/16
3/32	2 1/2		7/16	7/16

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	3 1/2		7/16	17/32
.170	4		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

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 #



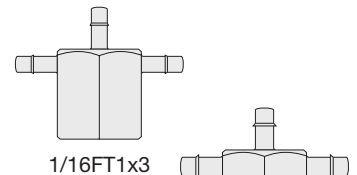
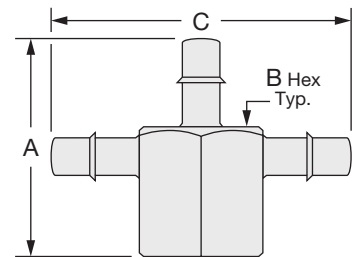
Note:
Images are for visual representation only.
Dimensions may vary at time of manufacturing.

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

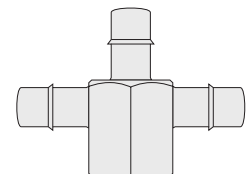
515

1/16 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	1/16FT.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	1 1/16	7/16	7/8
5/64 / 2mm	1/16FT2x3	1/16FT2x3-SS	1/16FT2x3-316SS	1/16FT2x3-NP	1 1/16	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	1 1/16	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



1/16FT2x3



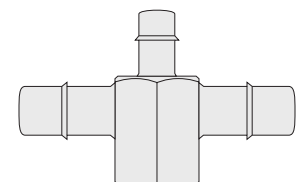
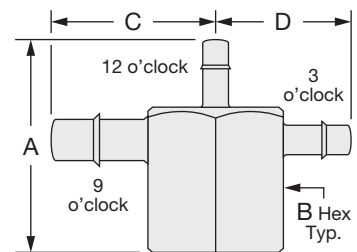
1/16FT5x3

516

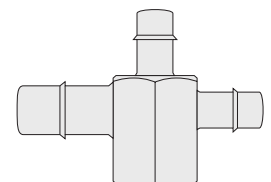
1/16 Female Thread to Tube Custom Reducing Tees x 3

Branches		Dimensions (Reference)			
Tube ID	Branch Number	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

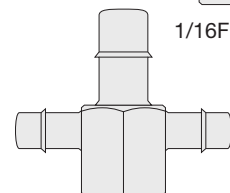
Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/8	3	Consult Factory	7/16	17/32	17/32
5/32 / 4mm	3 1/2		7/16	17/32	17/32
.170	4		7/16	9/16	9/16
3/16	5		7/16	19/32	19/32
7/32	5 1/2		7/16	19/32	19/32
6mm	5 3/4		7/16	3/4	23/32
1/4	6		7/16	3/4	23/32



1/16FRT6-4-6



1/16FRT6-4-4

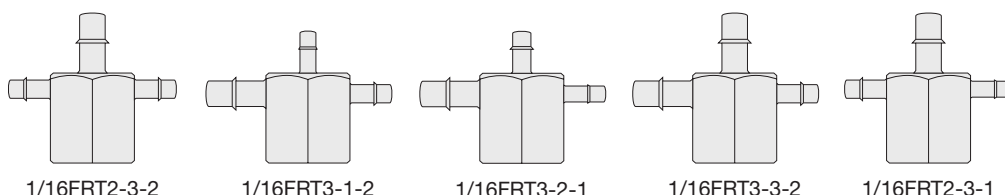


1/16FRT4-6-4

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

Part Numbers for 1/16 NPT Female Thread to Tube Reducing Tees x 3:

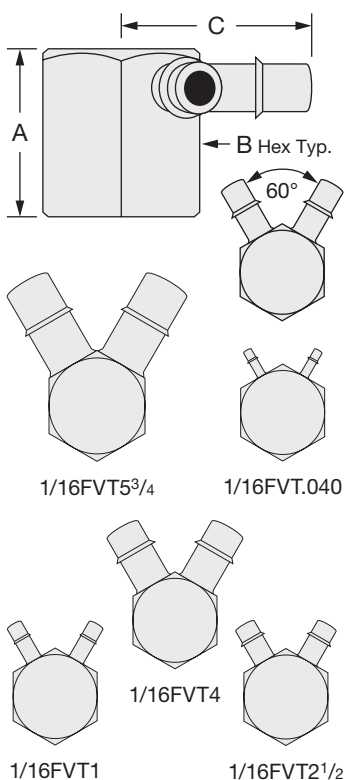
Thread Size	Fitting Series	Branch #	Branch #	Branch #
1/16	FRT	9 O'clock Branch #	12 O'clock Branch #	3 O'clock Branch #



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**

1/16 Female Thread to Tube V-Tees

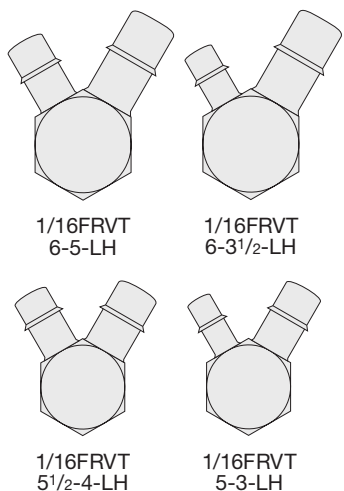
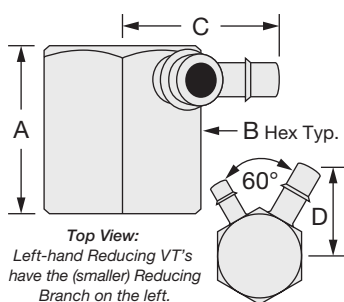
517



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

1/16 Female Thread to Tube Reducing Left-Hand V-Tees

518

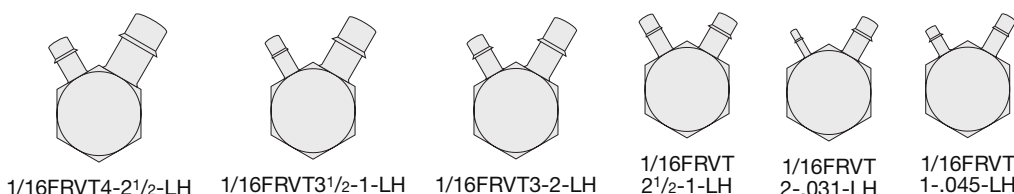


Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	15/32	7/16	3/8	3/8
.040 / 1mm	.040	15/32	7/16	3/8	3/8
3/64	.045	15/32	7/16	3/8	3/8
.050	.050	15/32	7/16	3/8	3/8
1/16	1	15/32	7/16	7/16	7/16
5/64 / 2mm	2	15/32	7/16	7/16	7/16
3/32	2 ^{1/2}	15/32	7/16	7/16	7/16

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	FRVT	#	-	#	-	LH	Left-Hand Indicator
		Fitting Series		Larger Branch		Smaller Branch		



Note: Images are for visual representation only. Dimensions may vary at time of manufacturing. Hex & height dimensions supplied to accommodate larger branch size. Consult factory for details.

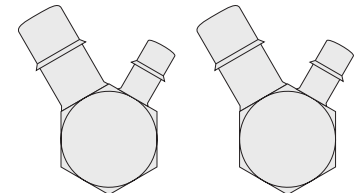
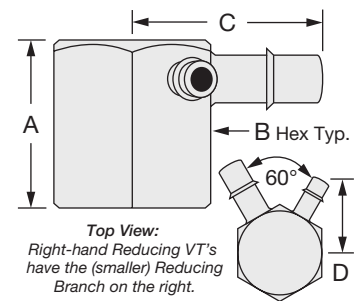
Unless otherwise specified, parts will be Brass. For other materials, add the following codes to the part number:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

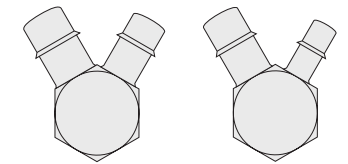
519

1/16 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

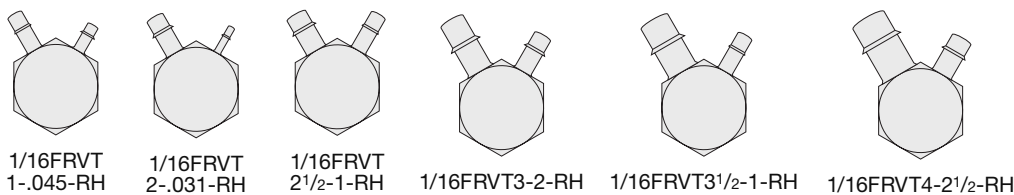
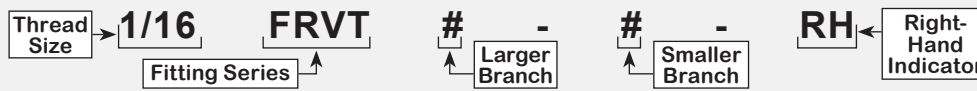

1/16FRVT
6-5-RH

1/16FRVT
6-3 1/2-RH

1/16FRVT
5 1/2-4-RH

1/16FRVT
5-3-RH

S

Part Numbers for 1/16 NPT Female Thread to Tube Reducing Right-Hand V-Tees:



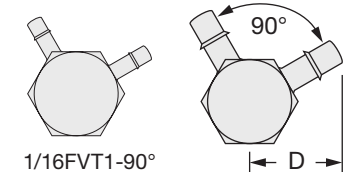
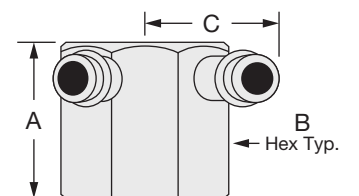
Unless otherwise specified, parts will be Brass. For other materials, add the following codes to the part number:
-SS = Stainless Steel 303 **-316SS = Stainless Steel 316** **-NP = Electroless Nickel Plate**

Note: Images are for visual representation only. Dimensions may vary at time of manufacturing. Hex & height dimensions supplied to accommodate larger branch size. Consult factory for details.

520

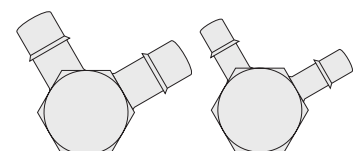
1/16 Female Thread to Tube 90° V-Tees

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	Consult Factory Consult Factory Consult Factory	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



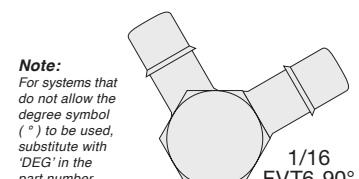
1/16FVT1-90°

1/16FVT3-90°



1/16FVT5-90°

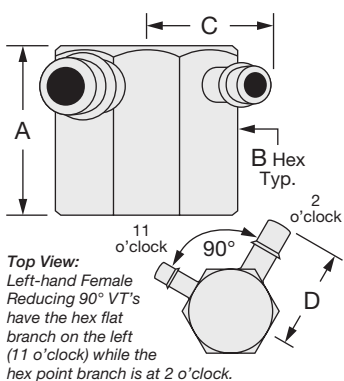
1/16FVT3-90°



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

1/16 Female Thread to Tube Reducing Left-Hand 90° V-Tees

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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	

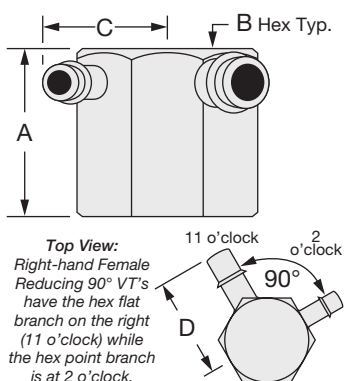
Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/8	3	15/32	7/16	17/32	Consult Factory
5/32 / 4mm	3 1/2	15/32	7/16	17/32	
.170	4	15/32	7/16	9/16	
3/16	5	1/2	7/16	19/32	
7/32	5 1/2	1/2	7/16	19/32	
6mm	5 3/4	9/16	1/2	3/4	
1/4	6	9/16	1/2	3/4	

Part Numbers for 1/16 NPT Female Thread to Tube Reducing Left-Hand 90° V-Tees:



1/16 Female Thread to Tube Reducing Right-Hand 90° V-Tees

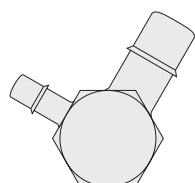
522



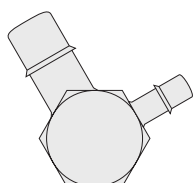
Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	15/32	7/16	3/8	Consult Factory
.040 / 1mm	.040	15/32	7/16	3/8	
3/64	.045	15/32	7/16	3/8	
.050	.050	15/32	7/16	3/8	
1/16	1	15/32	7/16	7/16	
5/64 / 2mm	2	15/32	7/16	7/16	
3/32	2 1/2	15/32	7/16	7/16	

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	

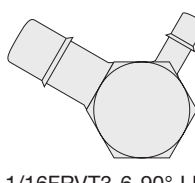
Part Numbers for 1/16 NPT Female Thread to Tube Reducing Right-Hand 90° V-Tees:



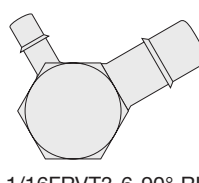
1/16FRVT6-3-90°-LH



1/16FRVT6-3-90°-RH



1/16FRVT3-6-90°-LH



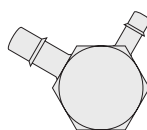
1/16FRVT3-6-90°-RH



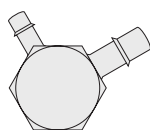
1/16FRVT5-3-90°-LH



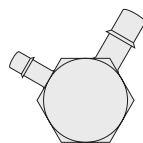
1/16FRVT5-3-90°-RH



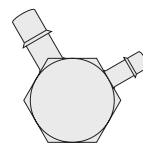
1/16FRVT2-3-90°-LH



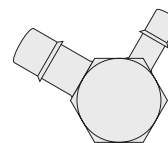
1/16FRVT2-3-90°-RH



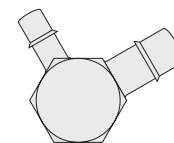
1/16FRVT3-2-90°-LH



1/16FRVT3-2-90°-RH



1/16FRVT3-5-90°-LH



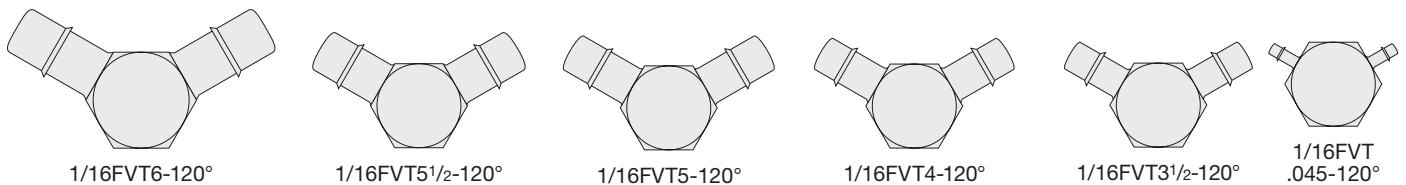
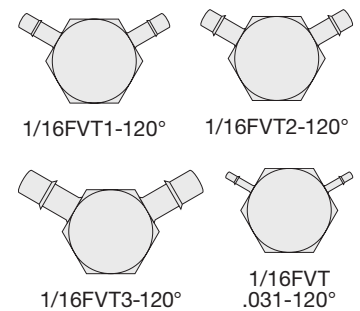
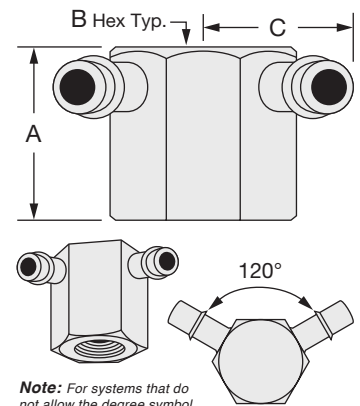
1/16FRVT3-5-90°-RH

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

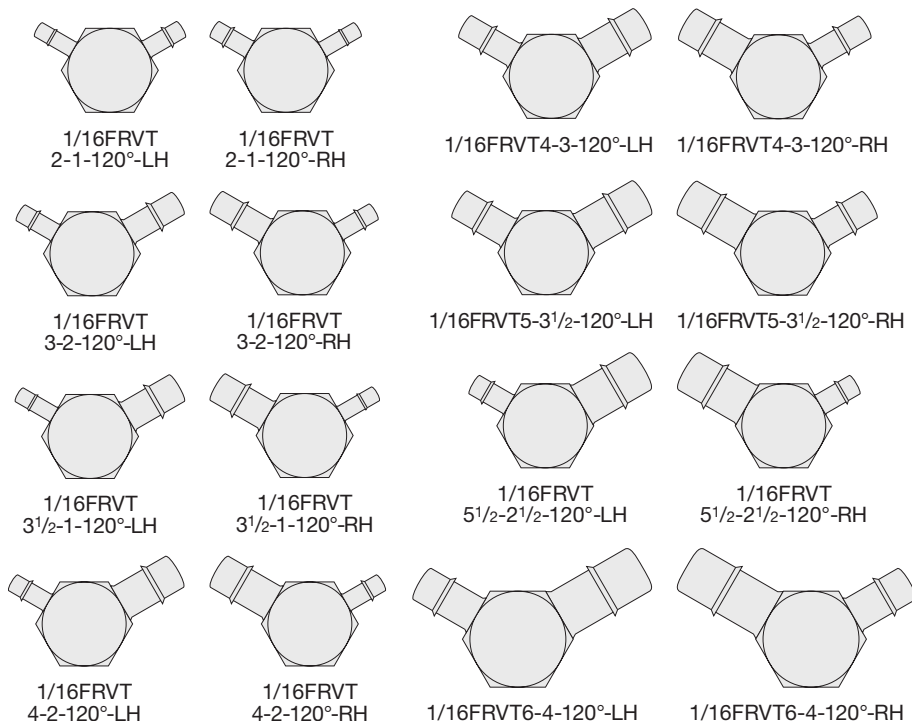
523

1/16 Female Thread to Tube 120° V-Tees

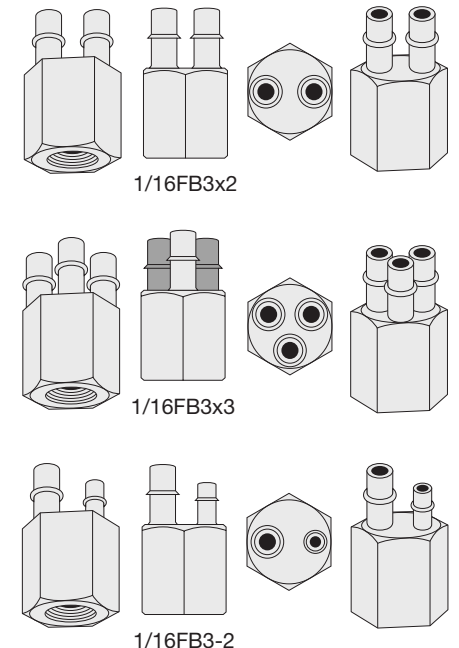
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/16FVT.031-120°	1/16FVT.031-120°-SS	1/16FVT.031-120°-316SS	1/16FVT.031-120°-NP	15/32	7/16	3/8
.040 / 1mm	1/16FVT.040-120°	1/16FVT.040-120°-SS	1/16FVT.040-120°-316SS	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



1/16 Female Thread 120° Reducing V-Tees available! Consult factory for details!



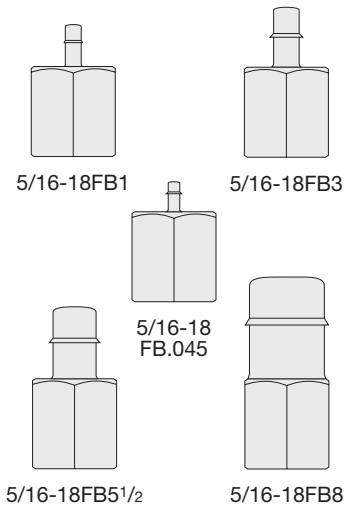
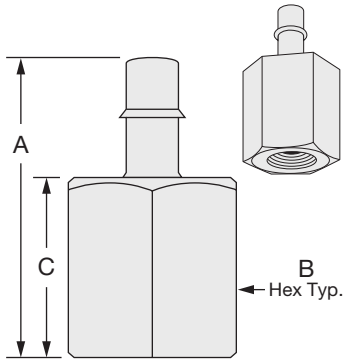
Custom Straight Manifolds available!



Consult factory for details!

5/16-18 Female Thread to Tube

524

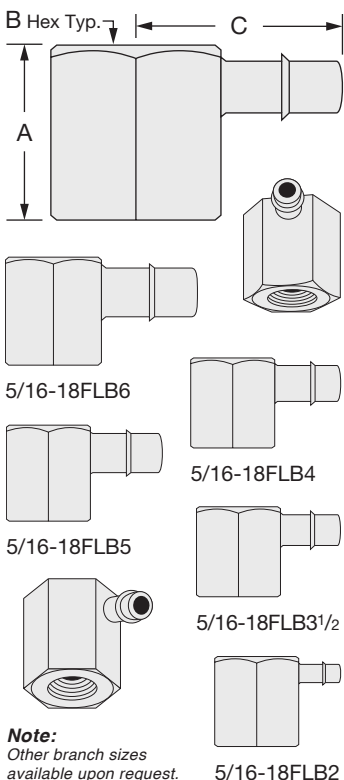


Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	5/16-18 FB.031	5/16-18 FB.031-SS	5/16-18 FB.031-316SS	N/A	5/16-18 FB.031-NP	5/8	7/16	15/32
.040 / 1mm	5/16-18 FB.040	5/16-18 FB.040-SS	5/16-18 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



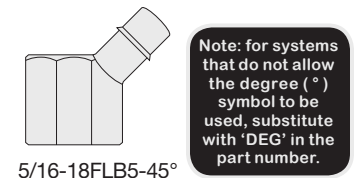
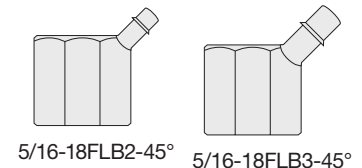
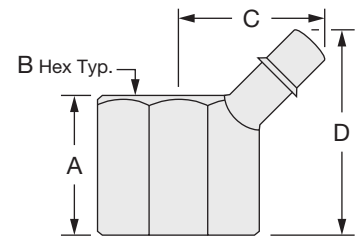
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	5/16-18FLB.031	5/16-18FLB.031-SS	5/16-18FLB.031-316SS	5/16-18FLB.031-NP	15/32	7/16	3/8
.040 / 1mm	5/16-18FLB.040	5/16-18FLB.040-SS	5/16-18FLB.040-316SS	5/16-18FLB.040-NP	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

Note:
Other branch sizes
available upon request.

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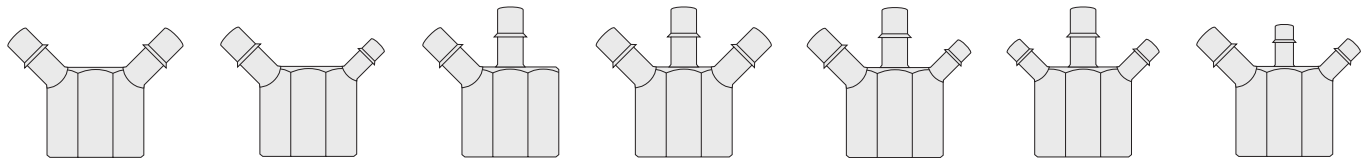
5/16-18 Female Thread to Tube 45° Elbows

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	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory
.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	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory
.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	Consult Factory	Consult Factory



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

Custom 5/16-18 Female Thread to Tube Fittings available! Consult factory for details!

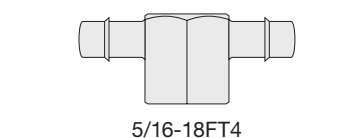
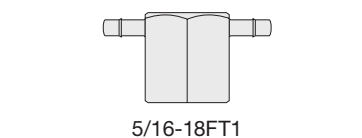
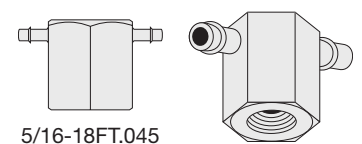
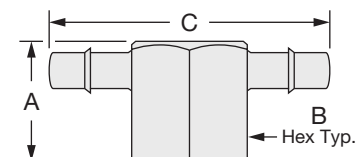


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527

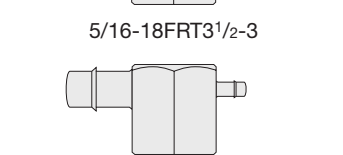
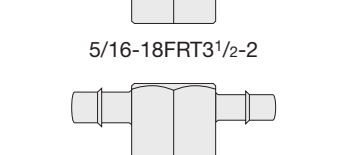
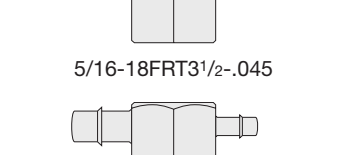
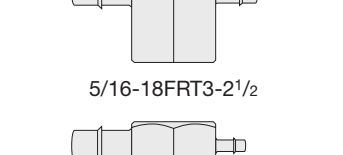
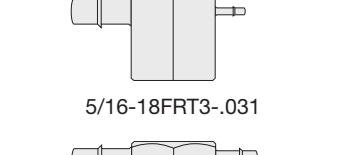
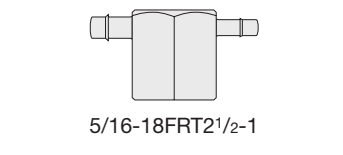
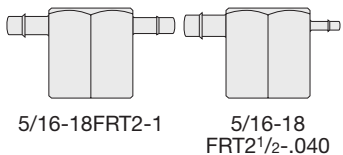
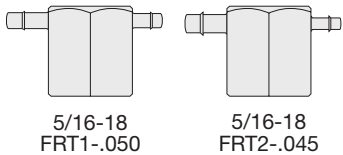
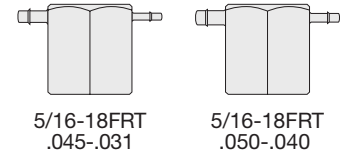
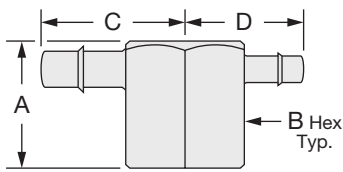
5/16-18 Female Thread to Tube Tees

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

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5/16-18FRT4-.050

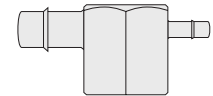
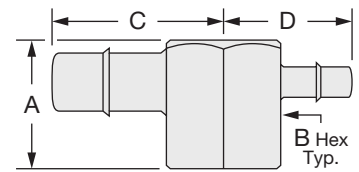
Continued on next page

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	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	5/16-18FRT2-1	5/16-18FRT2-1-SS	5/16-18FRT2-1-316SS	5/16-18 FRT2-1-NP	15/32	7/16	7/16	7/16
3/32	1/32	5/16-18 FRT2 1/2-.031	5/16-18FRT 2 1/2-.031-SS	5/16-18FRT 2 1/2-.031-316SS	5/16-18FRT 2 1/2-.031-NP	15/32	7/16	7/16	3/8
3/32	.040 / 1mm	5/16-18FRT2 1/2-.040	5/16-18 FRT2 1/2-.040-SS	5/16-18FRT 2 1/2-.040-316SS	5/16-18FRT 2 1/2-.040-NP	15/32	7/16	7/16	3/8
3/32	3/64	5/16-18 FRT2 1/2-.045	5/16-18 FRT2 1/2-.045-SS	5/16-18FRT2 1/2-.045-316SS	5/16-18FRT 2 1/2-.045-NP	15/32	7/16	7/16	3/8
3/32	.050	5/16-18 FRT2 1/2-.050	5/16-18 FRT2 1/2-.050-SS	5/16-18FRT2 1/2-.050-316SS	5/16-18FRT2 1/2-.050-NP	15/32	7/16	7/16	3/8
3/32	1/16	5/16-18 FRT2 1/2-1	5/16-18 FRT2 1/2-1-SS	5/16-18FRT2 1/2-1-316SS	5/16-18FRT2 1/2-1-NP	15/32	7/16	7/16	7/16
3/32	5/64 / 2mm	5/16-18 FRT2 1/2-2	5/16-18 FRT2 1/2-2-SS	5/16-18 FRT2 1/2-2-316SS	5/16-18 FRT2 1/2-2-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	5/16-18FRT3-1	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 FRT3-2 1/2	5/16-18 FRT3-2 1/2-SS	5/16-18 FRT3-2 1/2-316SS	5/16-18 FRT3-2 1/2-NP	15/32	7/16	17/32	7/16
5/32 / 4mm	1/32	5/16-18 FRT3 1/2-.031	5/16-18 FRT3 1/2-.031-SS	5/16-18FRT 3 1/2-.031-316SS	5/16-18FRT 3 1/2-.031-NP	15/32	7/16	17/32	3/8
5/32 / 4mm	.040 / 1mm	5/16-18 FRT3 1/2-.040	5/16-18 FRT3 1/2-.040-SS	5/16-18FRT 3 1/2-.040-316SS	5/16-18FRT 3 1/2-.040-NP	15/32	7/16	17/32	3/8
5/32 / 4mm	3/64	5/16-18 FRT3 1/2-.045	5/16-18 FRT3 1/2-.045-SS	5/16-18FRT 3 1/2-.045-316SS	5/16-18FRT 3 1/2-.045-NP	15/32	7/16	17/32	3/8
5/32 / 4mm	.050	5/16-18 FRT3 1/2-.050	5/16-18 FRT3 1/2-.050-SS	5/16-18FRT 3 1/2-.050-316SS	5/16-18FRT 3 1/2-.050-NP	15/32	7/16	17/32	3/8
5/32 / 4mm	1/16	5/16-18 FRT3 1/2-1	5/16-18 FRT3 1/2-1-SS	5/16-18 FRT3 1/2-1-316SS	5/16-18 FRT3 1/2-1-NP	15/32	7/16	17/32	7/16
5/32 / 4mm	5/64 / 2mm	5/16-18 FRT3 1/2-2	5/16-18 FRT3 1/2-2-SS	5/16-18 FRT3 1/2-2-316SS	5/16-18 FRT3 1/2-2-NP	15/32	7/16	17/32	7/16
5/32 / 4mm	3/32	5/16-18 FRT3 1/2-2 1/2	5/16-18 FRT3 1/2-2 1/2-SS	5/16-18 FRT3 1/2-2 1/2-316SS	5/16-18 FRT3 1/2-2 1/2-NP	15/32	7/16	17/32	7/16
5/32 / 4mm	1/8	5/16-18 FRT3 1/2-3	5/16-18 FRT3 1/2-3-SS	5/16-18 FRT3 1/2-3-316SS	5/16-18 FRT3 1/2-3-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

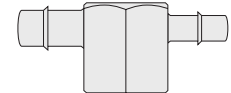
529

5/16-18 Female Thread to Tube Reducing Tees (continued)

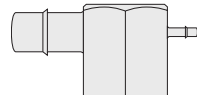
Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
.170	1/16	5/16-18FRT4-1	5/16-18 FRT4-1-SS	5/16-18 FRT4-1-316SS	5/16-18 FRT4-1-NP	15/32	7/16	9/16	7/16
.170	5/64 / 2mm	5/16-18FRT4-2	5/16-18 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	5/16-18FRT4-3	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	5/16-18FRT5-1	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	5/16-18FRT5-2	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	5/16-18FRT5-3	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	5/16-18FRT5-4	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	5/16-18 FRT5 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	5/16-18 FRT5 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	5/16-18 FRT5 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	5/16-18FRT6-1	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	5/16-18FRT6-2	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	5/16-18FRT6-3	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	5/16-18FRT6-4	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	5/16-18FRT6-5	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



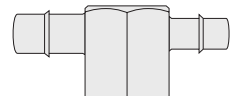
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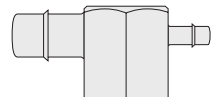
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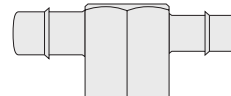
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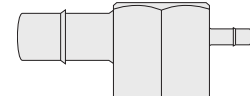
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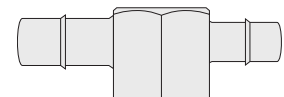
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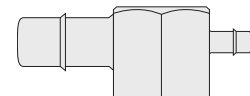
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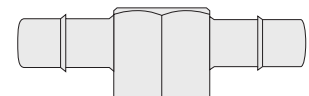
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5/16-18FRT5 3/4-5



5/16-18FRT6-2 1/2

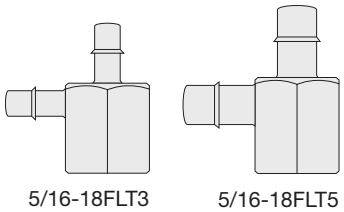
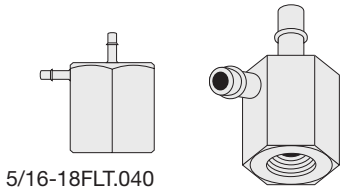
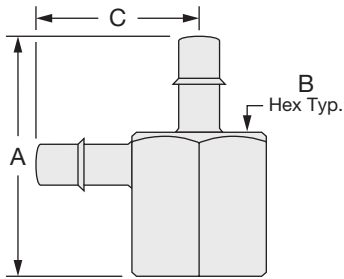


5/16-18FRT6-5 3/4

Note: Images are for visual representation only.

5/16-18 Female Thread to Tube L-Tees

530

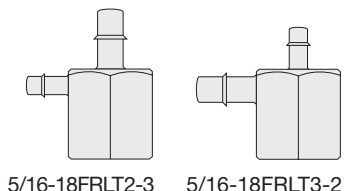
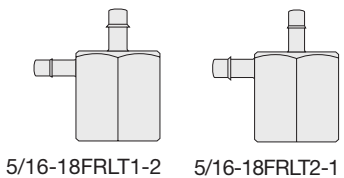
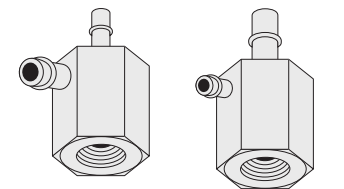
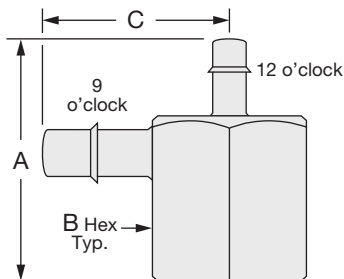


Note:
Dimensions may vary at time of manufacturing.

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C 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

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	Consult Factory	Consult Factory	Consult Factory
3/64	.045	Consult Factory	Consult Factory	Consult Factory
.050	.050	Consult Factory	Consult Factory	Consult Factory

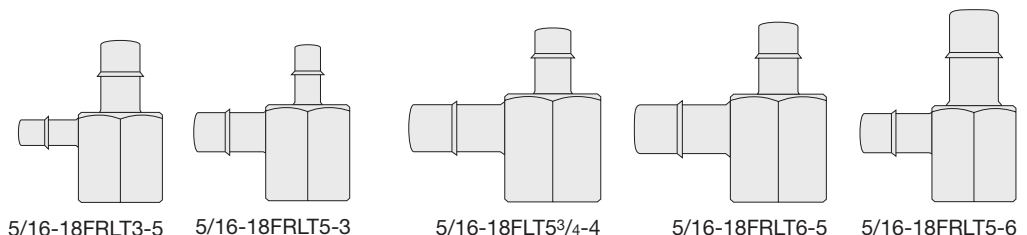
Note: Other branch sizes available upon request. Consult factory for details!

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	Consult Factory	Consult Factory	Consult Factory
3/32	2 1/2	Consult Factory	Consult Factory	Consult Factory
1/8	3	Consult Factory	Consult Factory	Consult Factory
5/32 / 4mm	3 1/2	Consult Factory	Consult Factory	Consult Factory

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

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 #	

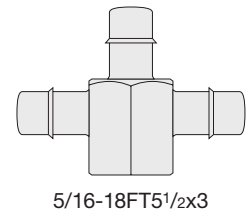
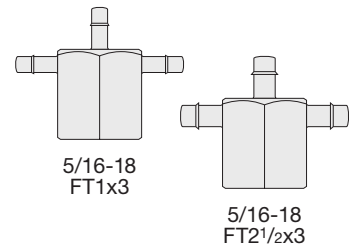
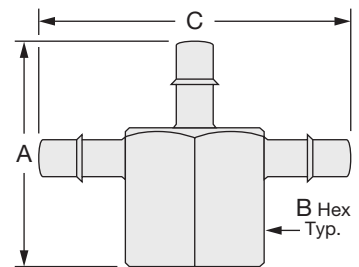


Unless otherwise specified, parts will be Brass. For other materials, add the following codes to the part number:
-SS = Stainless Steel 303 **-316SS** = Stainless Steel 316 **-NP** = Electroless Nickel Plate

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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	5/16-18FT.031x3	5/16-18FT.031x3-SS	5/16-18FT.031x3-316SS	5/16-18FT.031x3-NP	5/8	7/16	3/4
.040 / 1mm	5/16-18FT.040x3	5/16-18FT.040x3-SS	5/16-18FT.040x3-316SS	5/16-18FT.040x3-NP	5/8	7/16	3/4
3/64	5/16-18FT.045x3	5/16-18FT.045x3-SS	5/16-18FT.045x3-316SS	5/16-18FT.045x3-NP	5/8	7/16	3/4
.050	5/16-18FT.050x3	5/16-18FT.050x3-SS	5/16-18FT.050x3-316SS	5/16-18FT.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	5/16-18FT2 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	5/16-18FT3 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	5/16-18FT5 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	5/16-18FT5 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



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5/16-18 Female Thread to Tube Custom Reducing Tees x 3

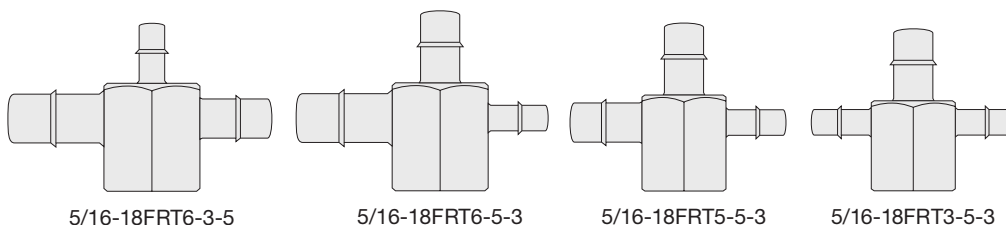
Branches		Dimensions (Reference)			
Tube ID	Branch #	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	Consult Factory	Consult Factory	Consult Factory	Consult Factory
.040 / 1mm	.040	Consult Factory	Consult Factory	Consult Factory	Consult Factory
3/64	.045	Consult Factory	Consult Factory	Consult Factory	Consult Factory
.050	.050	Consult Factory	Consult Factory	Consult Factory	Consult Factory

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

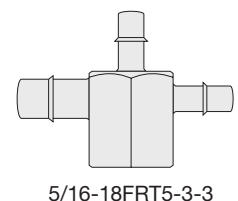
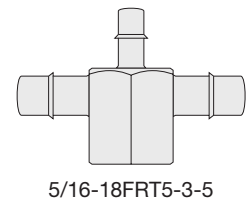
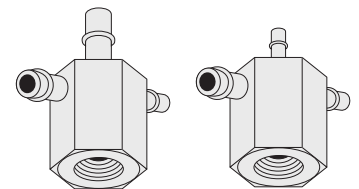
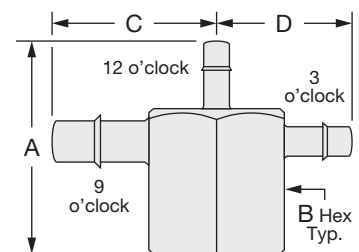
Branches		Dimensions (Reference)			
Tube ID	Branch #	A Ref.	B Typ.	C Ref.	D Ref.
.170	4	Consult Factory	Consult Factory	Consult Factory	Consult Factory
3/16	5	Consult Factory	Consult Factory	Consult Factory	Consult Factory
7/32	5 1/2	Consult Factory	Consult Factory	Consult Factory	Consult Factory
6mm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

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:

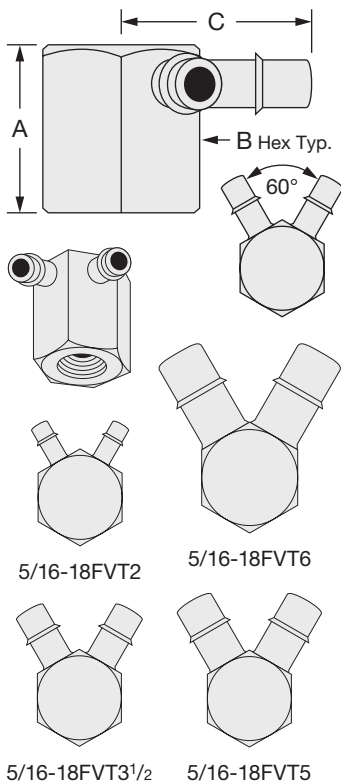


Unless otherwise specified, parts will be Brass. For other materials, add the following codes to the part number:
 -SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate



5/16-18 Female Thread to Tube V-Tees

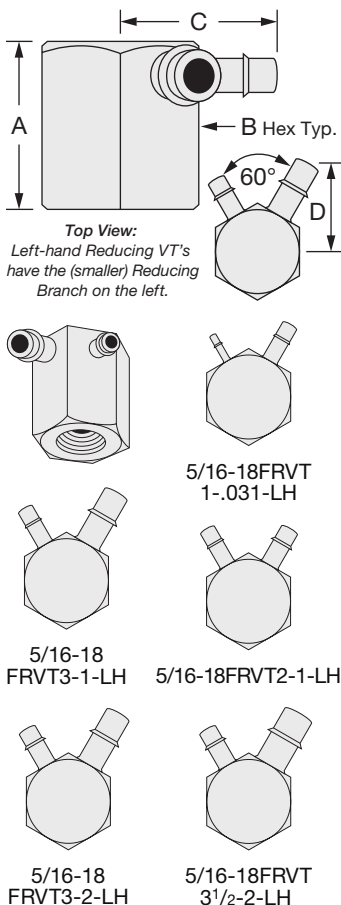
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Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	5/16-18FVT.031	5/16-18FVT.031-SS	5/16-18FVT.031-316SS	5/16-18FVT.031-NP	15/32	7/16	3/8
.040 / 1mm	5/16-18FVT.040	5/16-18FVT.040-SS	5/16-18FVT.040-316SS	5/16-18FVT.040-NP	15/32	7/16	3/8
3/64	5/16-18FVT.045	5/16-18FVT.045-SS	5/16-18FVT.045-316SS	5/16-18FVT.045-NP	15/32	7/16	3/8
.050	5/16-18FVT.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	5/16-18FVT2 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	5/16-18FVT3 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	5/16-18FVT5 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 Custom Reducing Left-Hand V-Tees

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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

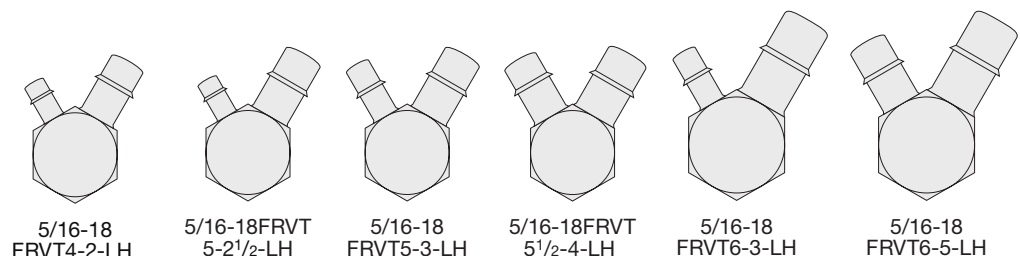
Branches		Dimensions (Reference)			
Tube ID	Branch #	A Ref.	B Typ.	C Ref.	D Ref.
1/16	1	15/32	7/16	7/16	7/16
5/64 / 2mm	2	15/32	7/16	7/16	7/16
3/32	2 1/2	15/32	7/16	7/16	7/16
1/8	3	15/32	7/16	17/32	17/32
5/32 / 4mm	3 1/2	15/32	7/16	17/32	17/32

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 #	



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

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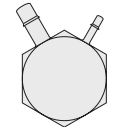
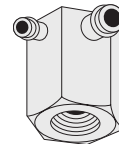
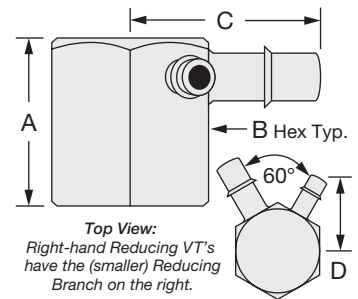
5/16-18 Female Thread to Tube Custom Reducing Right-Hand V-Tees

Branches		Dimensions (Reference)			
Tube ID	Branch #	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	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

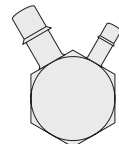
Note: Hex and height dimensions supplied to accommodate larger branch size.

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

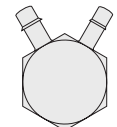
Branches		Dimensions (Reference)			
Tube ID	Branch #	A Ref.	B Typ.	C Ref.	D Ref.
.170	4	15/32	7/16	9/16	9/16
3/16	5	1/2	7/16	19/32	19/32
7/32	5 1/2	1/2	7/16	19/32	19/32
6mm	5 3/4	9/16	1/2	3/4	3/4
1/4	6	9/16	1/2	3/4	3/4



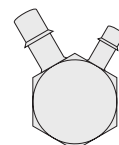
5/16-18FRVT 1-.031-RH



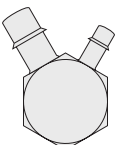
5/16-18FRVT3-1-RH



5/16-18FRVT2-1-RH



5/16-18FRVT3-2-RH

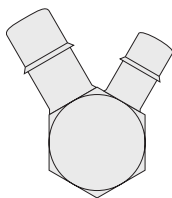


5/16-18FRVT 3 1/2-2-RH

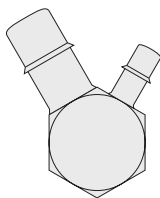
Part Numbers for 5/16-18 Female Thread to Tube Reducing Right-Hand V-Tees:

Thread Size → **5/16-18** → Fitting Series → **RVT** → # → - → # → - → **RH** → Right-Hand Indicator

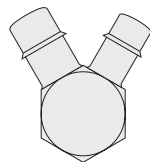
→ Larger Branch # # → Smaller Branch



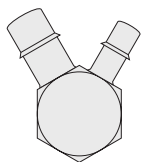
5/16-18FRVT6-5-RH



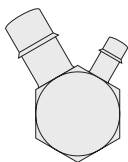
5/16-18FRVT6-3-RH



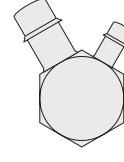
5/16-18FRVT 5 1/2-4-RH



5/16-18FRVT5-3-RH



5/16-18FRVT 5-2 1/2-RH

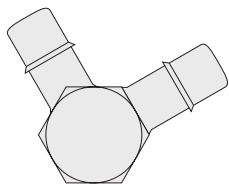


5/16-18FRVT4-2-RH

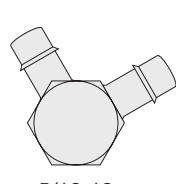
Unless otherwise specified, parts will be Brass. For other materials, add the following codes to the part number:
-SS = Stainless Steel 303 **-316SS = Stainless Steel 316** **-NP = Electroless Nickel Plate**

T

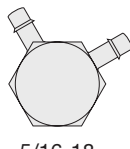
5/16-18 Female Thread to Tube Custom 90° & 120° V-Tees & Reducing V-Tees available! Consult factory for details!



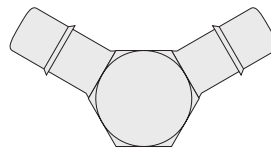
5/16-18FVT6-90°



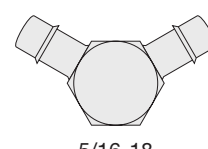
5/16-18FVT4-90°



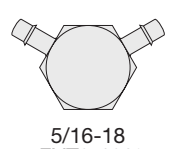
5/16-18FVT2-90°



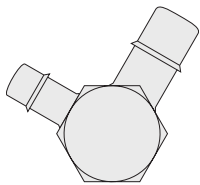
5/16-18FVT6-120°



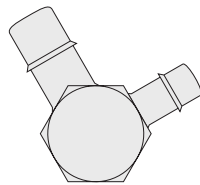
5/16-18FVT4-120°



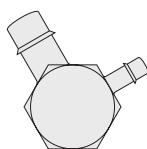
5/16-18FVT2-120°



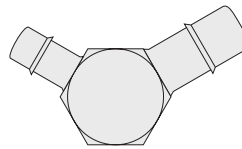
5/16-18FRVT 6-4-90°-LH



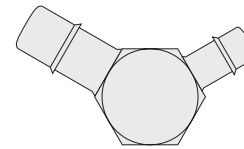
5/16-18FRVT 6-4-90°-RH



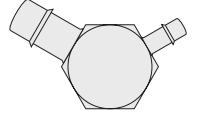
5/16-18FRVT 4-2-90°-RH



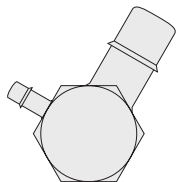
5/16-18FRVT 6-4-120°-LH



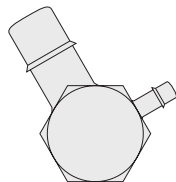
5/16-18FRVT 6-4-120°-RH



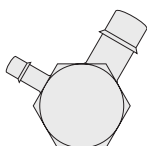
5/16-18FRVT 4-2-120°-RH



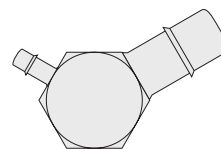
5/16-18FRVT 6-2-90°-LH



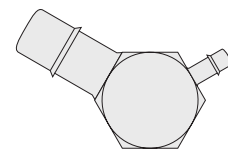
5/16-18FRVT 6-2-90°-RH



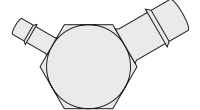
5/16-18FRVT 4-2-90°-LH



5/16-18FRVT 6-2-120°-LH



5/16-18FRVT 6-2-120°-RH

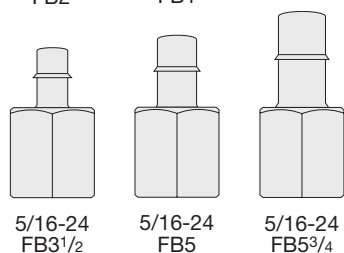
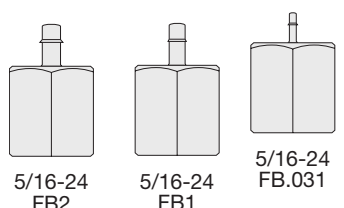
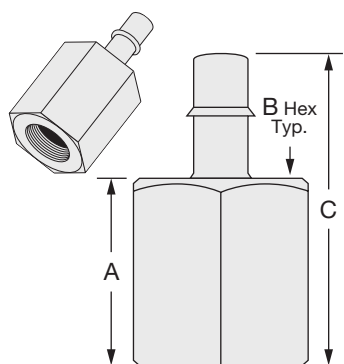


5/16-18FRVT 4-2-120°-LH

Other 5/16-18 Female Thread options available! Consult factory for details!

5/16-24 Female Thread to Tube

537

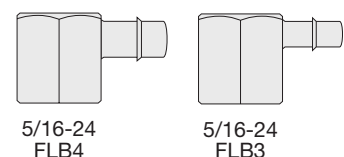
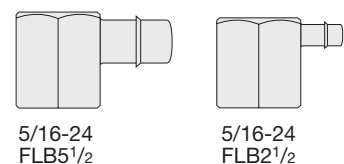
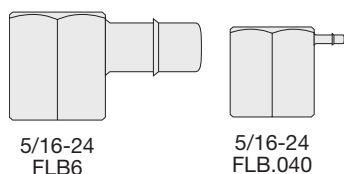
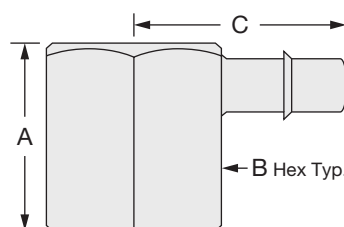


Note:
Dimensions may vary at time of manufacturing.

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

5/16-24 Female Thread to Tube Elbows

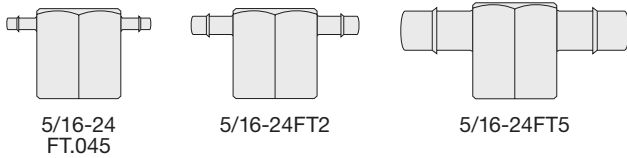
538



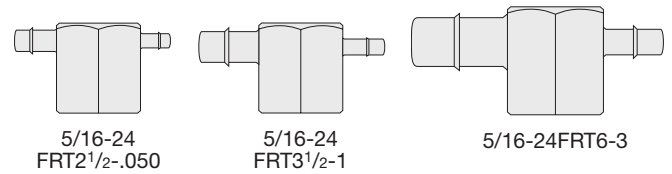
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	5/16-24FLB.031	5/16-24 FLB.031-SS	5/16-24 FLB.031-316SS	5/16-24 FLB.031-NP	15/32	7/16	3/8
.040 / 1mm	5/16-24FLB.040	5/16-24 FLB.040-SS	5/16-24 FLB.040-316SS	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!

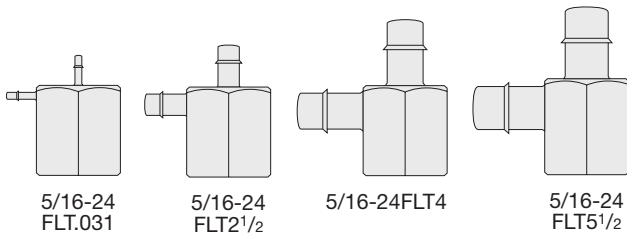
5/16-24 Female Thread Tees



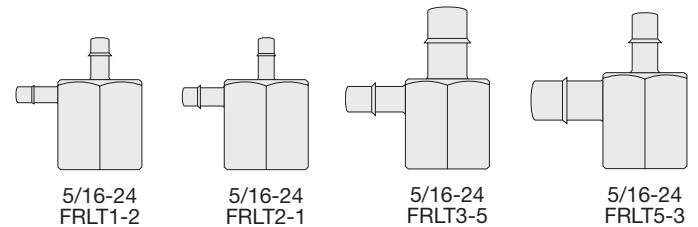
5/16-24 Female Thread Reducing Tees



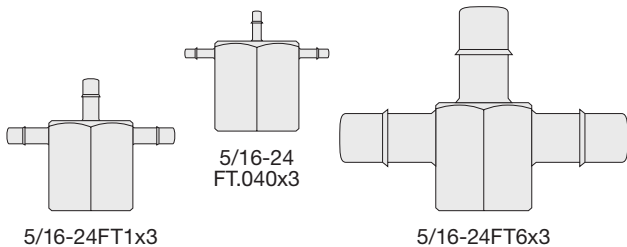
5/16-24 Female Thread L-Tees



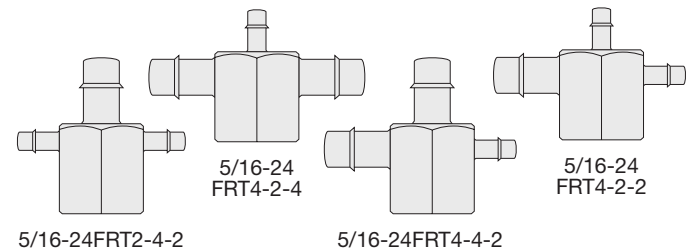
5/16-24 Female Thread Reducing L-Tees



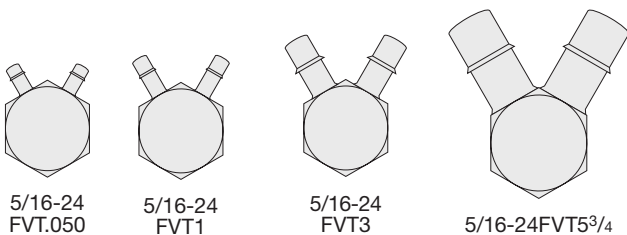
5/16-24 Female Thread Tee x 3



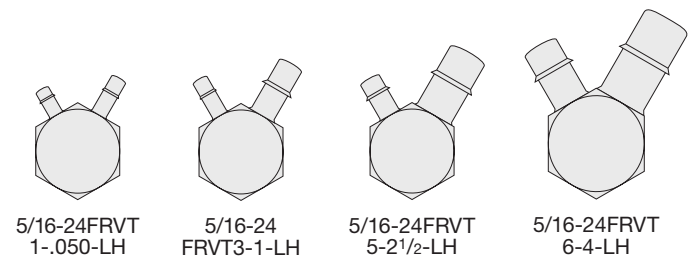
5/16-24 Female Thread Reducing Tee x 3



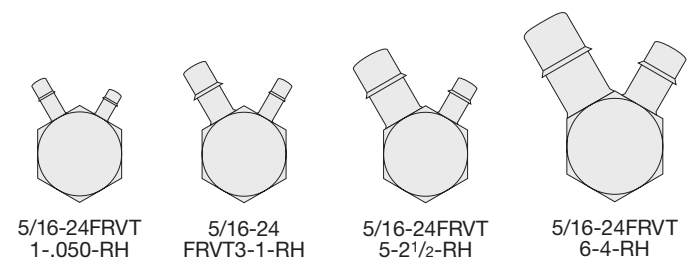
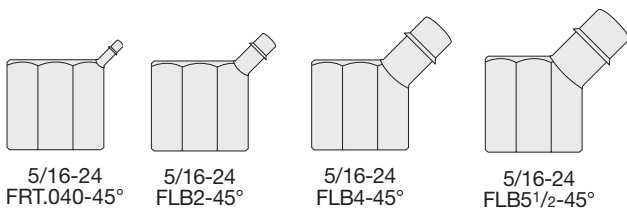
5/16-24 Female Thread V-Tees



5/16-24 Female Thread Reducing V-Tees



5/16-24 Female Thread 45° Elbows



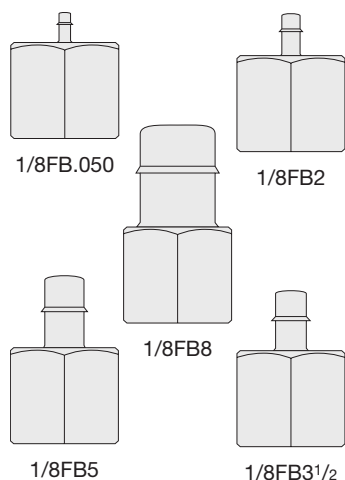
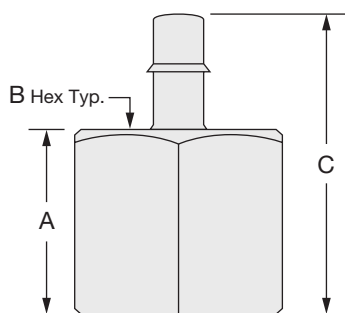
•Sample listing; many options available!•

Consult factory for dimensions & availability!

5/16-24 Female Thread 90° & 120° V-Tee's & Reducing V-Tee's available! Lead times & minimum quantities may apply!

1/8 NPT Female Thread to Tube

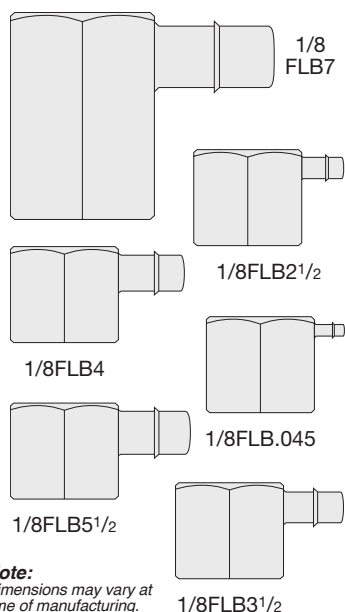
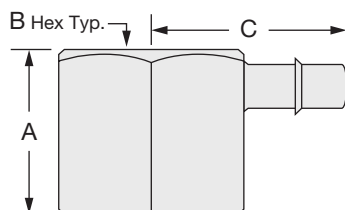
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Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/8FB.031	1/8FB.031-SS	1/8FB.031-316SS	N/A	1/8FB.031-NP	1/2	9/16	2 1/32
.040 / 1mm	1/8FB.040	1/8FB.040-SS	1/8FB.040-316SS	N/A	1/8FB.040-NP	1/2	9/16	2 1/32
3/64	1/8FB.045	1/8FB.045-SS	1/8FB.045-316SS	N/A	1/8FB.045-NP	1/2	9/16	2 1/32
.050	1/8FB.050	1/8FB.050-SS	1/8FB.050-316SS	N/A	1/8FB.050-NP	1/2	9/16	2 1/32
1/16	1/8FB1	1/8FB1-SS	1/8FB1-316SS	1/8FB1-AL	1/8FB1-NP	1/2	9/16	2 3/32
5/64 / 2mm	1/8FB2	1/8FB2-SS	1/8FB2-316SS	1/8FB2-AL	1/8FB2-NP	1/2	9/16	2 3/32
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	2 3/32
1/8	1/8FB3	1/8FB3-SS	1/8FB3-316SS	1/8FB3-AL	1/8FB3-NP	1/2	9/16	1 3/16
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	1 3/16
.170	1/8FB4	1/8FB4-SS	1/8FB4-316SS	1/8FB4-AL	1/8FB4-NP	1/2	9/16	2 7/32
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

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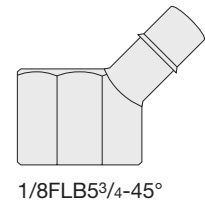
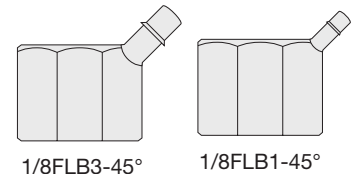
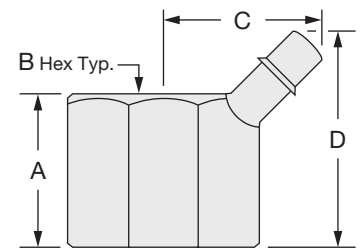
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/8FLB.031	1/8FLB.031-SS	1/8FLB.031-316SS	1/8FLB.031-NP	1/2	9/16	7/16
.040 / 1mm	1/8FLB.040	1/8FLB.040-SS	1/8FLB.040-316SS	1/8FLB.040-NP	1/2	9/16	7/16
3/64	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	1 9/32
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	1 9/32
.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	2 1/32
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	2 1/32
6mm	1/8FLB5 3/4	1/8FLB5 3/4-SS	1/8FLB5 3/4-316SS	1/8FLB5 3/4-NP	9/16	9/16	2 5/32
1/4	1/8FLB6	1/8FLB6-SS	1/8FLB6-316SS	1/8FLB6-NP	9/16	9/16	2 5/32
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	2 9/32
1/2	1/8FLB10	1/8FLB10-SS	1/8FLB10-316SS	1/8FLB10-NP	1 5/64	3/4	1 1/8

Note:
Dimensions may vary at
time of manufacturing.

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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	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory
.050	1/8FLB.050-45°	1/8FLB.050-45°-SS	1/8FLB.050-45°-316SS	1/8FLB.050-45°-NP	1/2	9/16	Consult Factory	Consult Factory
1/16	1/8FLB1-45°	1/8FLB1-45°-SS	1/8FLB1-45°-316SS	1/8FLB1-45°-NP	1/2	9/16	Consult Factory	Consult Factory
5/64 / 2mm	1/8FLB2-45°	1/8FLB2-45°-SS	1/8FLB2-45°-316SS	1/8FLB2-45°-NP	1/2	9/16	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory
1/8	1/8FLB3-45°	1/8FLB3-45°-SS	1/8FLB3-45°-316SS	1/8FLB3-45°-NP	1/2	9/16	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory
.170	1/8FLB4-45°	1/8FLB4-45°-SS	1/8FLB4-45°-316SS	1/8FLB4-45°-NP	1/2	9/16	Consult Factory	Consult Factory
3/16	1/8FLB5-45°	1/8FLB5-45°-SS	1/8FLB5-45°-316SS	1/8FLB5-45°-NP	1/2	9/16	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory
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	Consult Factory
1/4	1/8FLB6-45°	1/8FLB6-45°-SS	1/8FLB6-45°-316SS	1/8FLB6-45°-NP	1/2	9/16	29/32	Consult Factory
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			

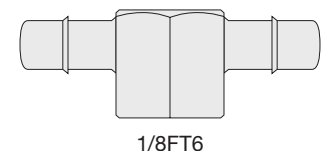
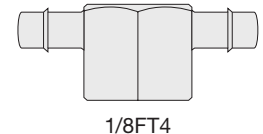
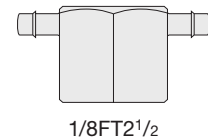
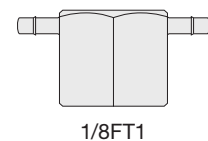
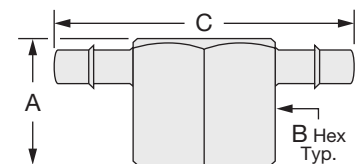


Note: for systems that do not allow the degree symbol (°) to be used, it can be substituted with 'DEG' in the part number.

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1/8 NPT Female Thread to Tube Tees

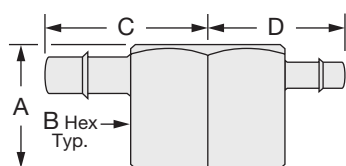
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/8FT.031	1/8FT.031-SS	1/8FT.031-316SS	1/8FT.031-NP	1/2	9/16	7/8
.040 / 1mm	1/8FT.040	1/8FT.040-SS	1/8FT.040-316SS	1/8FT.040-NP	1/2	9/16	7/8
3/64	1/8FT.045	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 1/16
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 1/16
.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 5/16
1/4	1/8FT6	1/8FT6-SS	1/8FT6-316SS	1/8FT6-NP	9/16	9/16	1 5/16
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



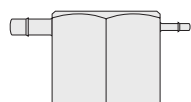
Note: Images are for visual representation only.

1/8 NPT Female Thread to Tube Reducing Tees

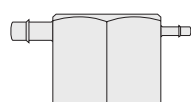
543



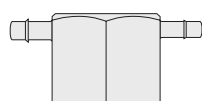
1/8FRT.050-.045



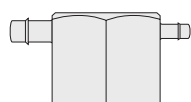
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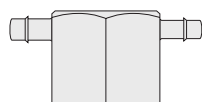
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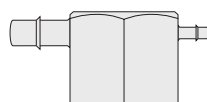
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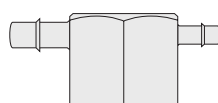
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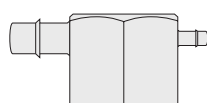
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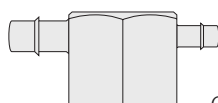
1/8FRT3-.045



1/8FRT3-2



1/8FRT3 1/2-.050



1/8FRT3 1/2-2 1/2

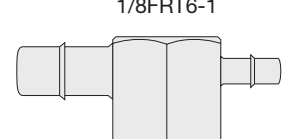
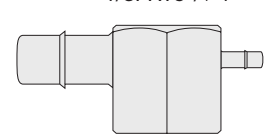
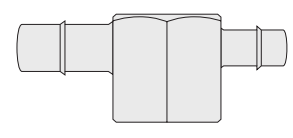
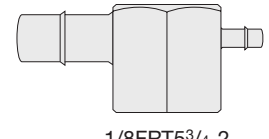
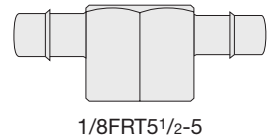
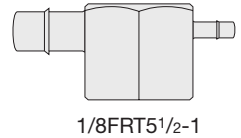
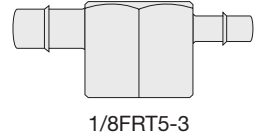
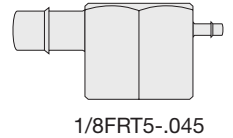
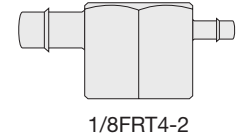
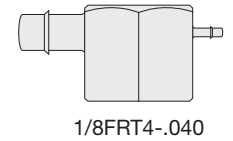
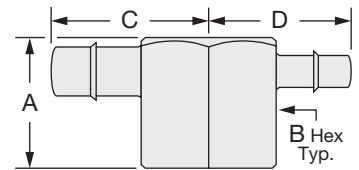
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on next
page

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	1/8FRT2 1/2-.031	1/8FRT2 1/2-.031-SS	1/8FRT2 1/2-.031-316SS	1/8FRT2 1/2-.031-NP	1/2	9/16	1/2	7/16
3/32	.040 / 1mm	1/8FRT2 1/2-.040	1/8FRT2 1/2-.040-SS	1/8FRT2 1/2-.040-316SS	1/8FRT2 1/2-.040-NP	1/2	9/16	1/2	7/16
3/32	3/64	1/8FRT2 1/2-.045	1/8FRT2 1/2-.045-SS	1/8FRT2 1/2-.045-316SS	1/8FRT2 1/2-.045-NP	1/2	9/16	1/2	7/16
3/32	.050	1/8FRT2 1/2-.050	1/8FRT2 1/2-.050-SS	1/8FRT2 1/2-.050-316SS	1/8FRT2 1/2-.050-NP	1/2	9/16	1/2	7/16
3/32	1/16	1/8FRT2 1/2-1	1/8FRT2 1/2-1-SS	1/8FRT2 1/2-1-316SS	1/8FRT2 1/2-1-NP	1/2	9/16	1/2	1/2
3/32	5/64 / 2mm	1/8FRT2 1/2-2	1/8FRT2 1/2-2-SS	1/8FRT2 1/2-2-316SS	1/8FRT2 1/2-2-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	1/8FRT3-2 1/2	1/8FRT3-2 1/2-SS	1/8FRT3-2 1/2-316SS	1/8FRT3-2 1/2-NP	1/2	9/16	19/32	1/2
5/32	1/32	1/8FRT3 1/2-.031	1/8FRT3 1/2-.031-SS	1/8FRT3 1/2-.031-316SS	1/8FRT3 1/2-.031-NP	1/2	9/16	19/32	7/16
5/32	.040 / 1mm	1/8FRT3 1/2-.040	1/8FRT3 1/2-.040-SS	1/8FRT3 1/2-.040-316SS	1/8FRT3 1/2-.040-NP	1/2	9/16	19/32	7/16
5/32	3/64	1/8FRT3 1/2-.045	1/8FRT3 1/2-.045-SS	1/8FRT3 1/2-.045-316SS	1/8FRT3 1/2-.045-NP	1/2	9/16	19/32	7/16
5/32	.050	1/8FRT3 1/2-.050	1/8FRT3 1/2-.050-SS	1/8FRT3 1/2-.050-316SS	1/8FRT3 1/2-.050-NP	1/2	9/16	19/32	7/16
5/32	1/16	1/8FRT3 1/2-1	1/8FRT3 1/2-1-SS	1/8FRT3 1/2-1-316SS	1/8FRT3 1/2-1-NP	1/2	9/16	19/32	1/2
5/32	5/64 / 2mm	1/8FRT3 1/2-2	1/8FRT3 1/2-2-SS	1/8FRT3 1/2-2-316SS	1/8FRT3 1/2-2-NP	1/2	9/16	19/32	1/2
5/32	3/32	1/8FRT3 1/2-2 1/2	1/8FRT3 1/2-2 1/2-SS	1/8FRT3 1/2-2 1/2-316SS	1/8FRT3 1/2-2 1/2-NP	1/2	9/16	19/32	1/2
5/32	1/8	1/8FRT3 1/2-3	1/8FRT3 1/2-3-SS	1/8FRT3 1/2-3-316SS	1/8FRT3 1/2-3-NP	1/2	9/16	19/32	19/32

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1/8 NPT Female Thread to Tube Reducing Tees (continued)

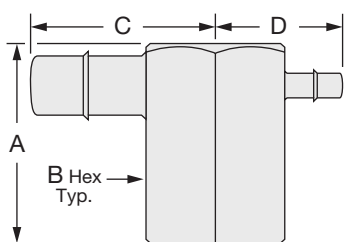
Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
.170	1/32	1/8FRT4-.031	1/8FRT4-.031-SS	1/8FRT4-.031-316SS	1/8FRT4-.031-NP	1/2	9/16	5/8	19/32
.170	.040 / 1mm	1/8FRT4-.040	1/8FRT4-.040-SS	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



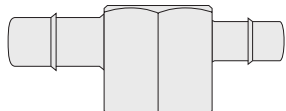
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1/8 NPT Female Thread to Tube Reducing Tees (continued)

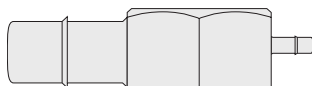
545



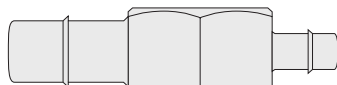
1/8FRT6-3 1/2



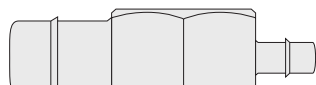
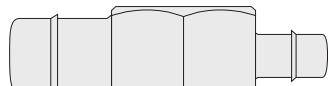
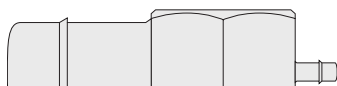
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1/8FRT7-1



1/8FRT7-4

1/8FRT
8-3 1/21/8FRT
8-5 1/2

1/8FRT10-2

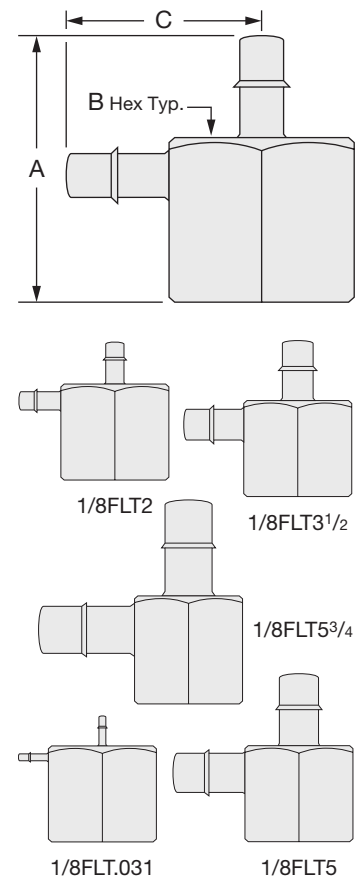
Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/4	5/32 / 4mm	1/8FRT6-3 1/2	1/8FRT6-3 1/2-SS	1/8FRT6-3 1/2-316SS	1/8FRT6-3 1/2-NP	9/16	9/16	25/32	19/32
1/4	.170	1/8FRT6-4	1/8FRT6-4-SS	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.

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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	2 1/32	9/16	7/16
.040 / 1mm	1/8FLT.040	1/8FLT.040-SS	1/8FLT.040-316SS	1/8FLT.040-NP	2 1/32	9/16	7/16
3/64	1/8FLT.045	1/8FLT.045-SS	1/8FLT.045-316SS	1/8FLT.045-NP	2 1/32	9/16	7/16
.050	1/8FLT.050	1/8FLT.050-SS	1/8FLT.050-316SS	1/8FLT.050-NP	2 1/32	9/16	7/16
1/16	1/8FLT1	1/8FLT1-SS	1/8FLT1-316SS	1/8FLT1-NP	2 3/32	9/16	1/2
5/64 / 2mm	1/8FLT2	1/8FLT2-SS	1/8FLT2-316SS	1/8FLT2-NP	2 3/32	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	2 3/32	9/16	1/2
1/8	1/8FLT3	1/8FLT3-SS	1/8FLT3-316SS	1/8FLT3-NP	1 3/16	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	1 3/16	9/16	19/32
.170	1/8FLT4	1/8FLT4-SS	1/8FLT4-316SS	1/8FLT4-NP	2 7/32	9/16	5/8
3/16	1/8FLT5	1/8FLT5-SS	1/8FLT5-316SS	1/8FLT5-NP	7/8	9/16	2 1/32
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	2 1/32
6mm	1/8FLT5 3/4	1/8FLT5 3/4-SS	1/8FLT5 3/4-316SS	1/8FLT5 3/4-NP	1	9/16	2 5/32
1/4	1/8FLT6	1/8FLT6-SS	1/8FLT6-316SS	1/8FLT6-NP	1	9/16	2 5/32
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	2 9/32
1/2	1/8FLT10	1/8FLT10-SS	1/8FLT10-316SS	1/8FLT10-NP	1 1/2	3/4	1 1/8



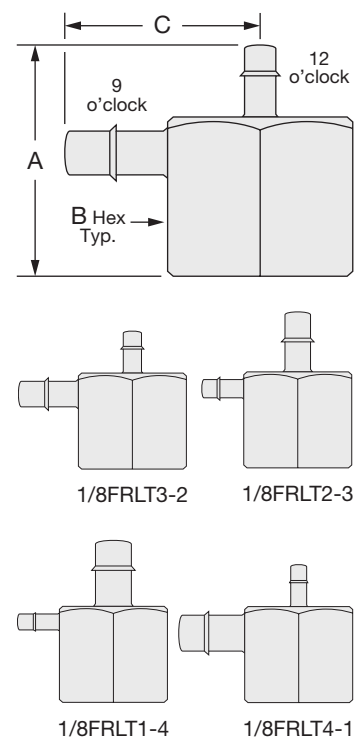
547

1/8 NPT Female Thread to Tube Reducing L-Tees

Branches		Dimensions (Reference)		
Tube ID	Branch Number	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

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
.170	4	Consult Factory	9/16	5/8
3/16	5		9/16	2 1/32
7/32	5 1/2		9/16	2 1/32
6mm	5 3/4		9/16	2 5/32
1/4	6		9/16	2 5/32
5/16 / 8mm	7		3/4	1
3/8	8		3/4	2 9/32
1/2	10		3/4	1 1/8

Note: Dimensions may vary at time of manufacturing and according to branch options chosen.



Part Numbers for 1/8 NPT Female Thread to Tube Reducing L-Tees:

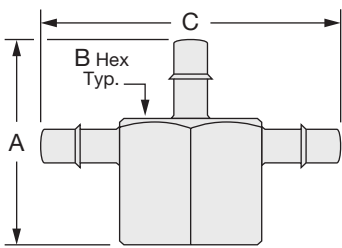


Unless otherwise specified, parts will be Brass. For other materials, add the following codes to the part number:
 -SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

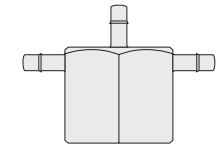
Note: Images are for visual representation only; not intended for dimensional measurements.

1/8 NPT Female Thread to Tube Tees x 3

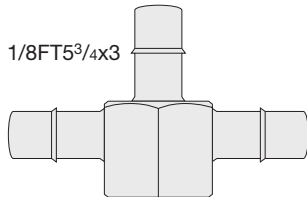
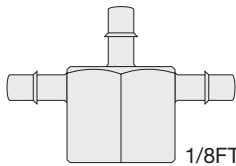
548



1/8FT1x3



1/8FT3x3

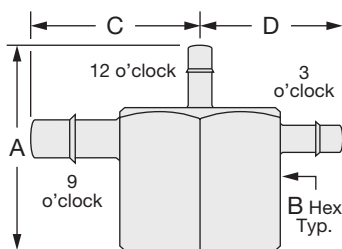


1/8FT5 3/4x3

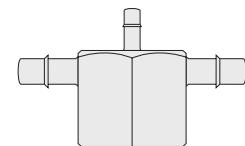
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/8FT.031x3	1/8FT.031x3-SS	1/8FT.031x3-316SS	1/8FT.031x3-NP	1 1/16	9/16	7/8
.040 / 1mm	1/8FT.040x3	1/8FT.040x3-SS	1/8FT.040x3-316SS	1/8FT.040x3-NP	1 1/16	9/16	7/8
3/64	1/8FT.045x3	1/8FT.045x3-SS	1/8FT.045x3-316SS	1/8FT.045x3-NP	1 1/16	9/16	7/8
.050	1/8FT.050x3	1/8FT.050x3-SS	1/8FT.050x3-316SS	1/8FT.050x3-NP	1 1/16	9/16	7/8
1/16	1/8FT1x3	1/8FT1x3-SS	1/8FT1x3-316SS	1/8FT1x3-NP	2 3/32	9/16	1
5/64 / 2mm	1/8FT2x3	1/8FT2x3-SS	1/8FT2x3-316SS	1/8FT2x3-NP	2 3/32	9/16	1
3/32	1/8FT2 1/2x3	1/8FT2 1/2x3-SS	1/8FT2 1/2x3-316SS	1/8FT2 1/2x3-NP	2 3/32	9/16	1
1/8	1/8FT3x3	1/8FT3x3-SS	1/8FT3x3-316SS	1/8FT3x3-NP	1 3/16	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	1 3/16	9/16	1 3/16
.170	1/8FT4x3	1/8FT4x3-SS	1/8FT4x3-316SS	1/8FT4x3-NP	2 7/32	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

1/8 NPT Female Thread to Tube Reducing Tees x 3

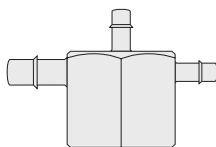
549



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	2 1/32	2 1/32
7/32	5 1/2		9/16	2 1/32	2 1/32
6mm	5 3/4		9/16	2 5/32	2 5/32
1/4	6		9/16	2 5/32	2 5/32
5/16 / 8mm	7		3/4	1	1
3/8	8		3/4	2 9/32	2 9/32
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.

Part Numbers for 1/8 NPT Female Thread to Tube Reducing Tees x 3:

Thread Size	1/8	FRT	#	-	#	-	#	3 O'clock Branch #
Fitting Series			9 O'clock Branch #		12 O'clock Branch #			

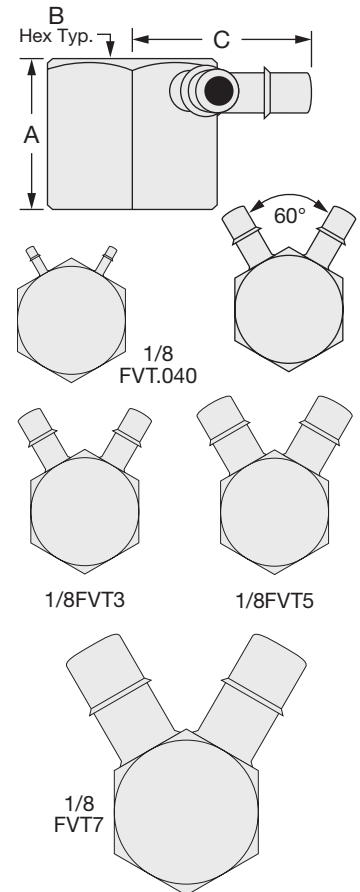
Unless otherwise specified, parts will be Brass. For other materials, add the following codes to the part number:
 -SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

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

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



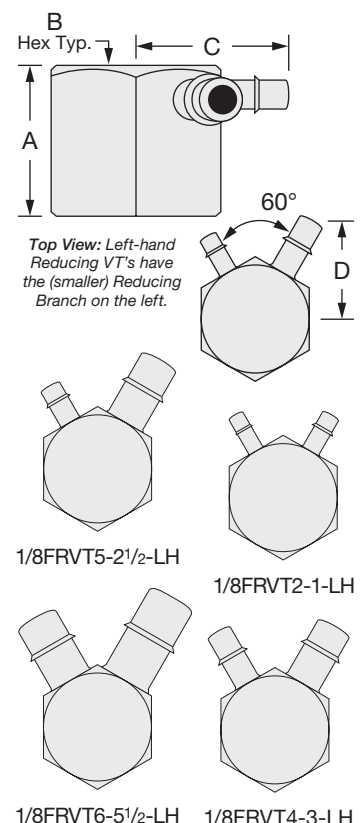
551

1/8 NPT Female Thread to Tube Reducing Left-Hand V-Tees

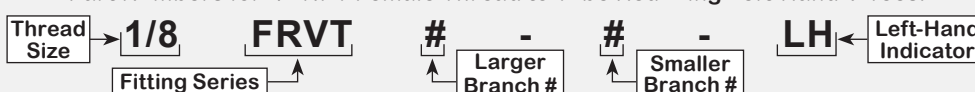
Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	1/2	9/16	7/16	7/16
.040 / 1mm	.040	1/2	9/16	7/16	7/16
3/64	.045	1/2	9/16	7/16	7/16
.050	.050	1/2	9/16	7/16	7/16
1/16	1	1/2	9/16	1/2	1/2
5/64 / 2mm	2	1/2	9/16	1/2	1/2
3/32	2 1/2	1/2	9/16	1/2	1/2
1/8	3	1/2	9/16	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.



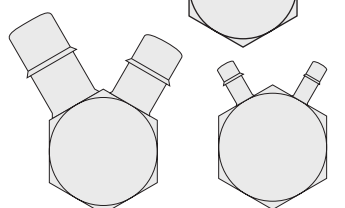
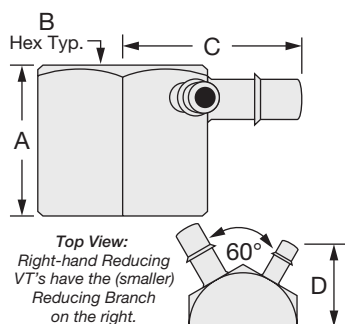
Part Numbers for 1/8 NPT Female Thread to Tube Reducing Left-Hand V-Tees:



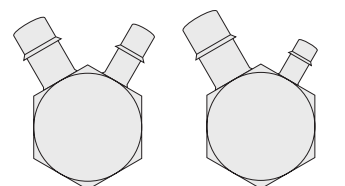
Unless otherwise specified, parts will be Brass. For other materials, add the following codes to the part number:
-SS = Stainless Steel 303 **-316SS** = Stainless Steel 316 **-NP** = Electroless Nickel Plate

1/8 NPT Female Thread to Tube Reducing Right-Hand V-Tees

552



1/8FRVT6-5 1/2-RH 1/8FRVT2-1-RH



1/8FRVT4-3-RH 1/8FRVT5-2 1/2-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	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.

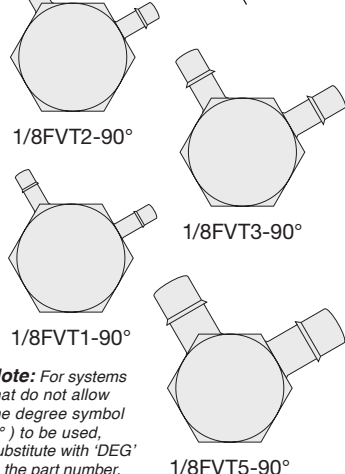
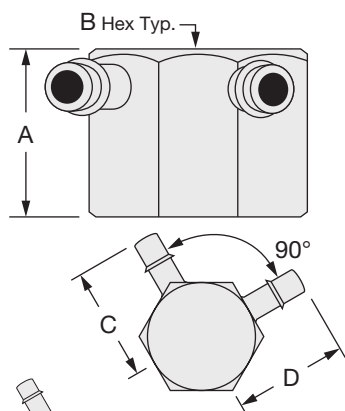
Part Numbers for 1/8 NPT Female Thread to Tube Reducing Right-Hand V-Tees:

Thread Size	1/8	FRVT	#	-	#	-	RH	Right-Hand Indicator
		Fitting Series		Larger Branch #		Smaller Branch #		

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

1/8 NPT Female Thread to Tube 90° V-Tees

553



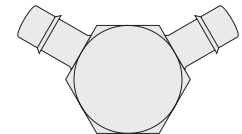
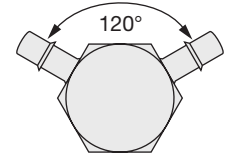
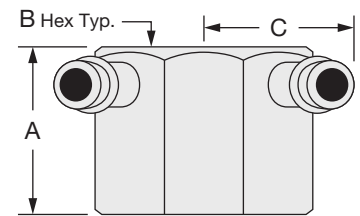
Note: For systems that do not allow the degree symbol (°) to be used, substitute with 'DEG' in the part number.

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	1/8FVT.031-90°	1/8FVT.031-90°-SS	1/8FVT.031-90°-316SS	1/8FVT.031-90°-NP	1/2	9/16	7/16	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	7/16	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	7/16	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	7/16	7/16
1/16	1/8FVT1-90°	1/8FVT1-90°-SS	1/8FVT1-90°-316SS	1/8FVT1-90°-NP	1/2	9/16	1/2	1/2
5/64 / 2mm	1/8FVT2-90°	1/8FVT2-90°-SS	1/8FVT2-90°-316SS	1/8FVT2-90°-NP	1/2	9/16	1/2	1/2
3/32	1/8FVT2 1/2-90°	1/8FVT2 1/2-90°-SS	1/8FVT2 1/2-90°-316SS	1/8FVT2 1/2-90°-NP	1/2	9/16	1/2	1/2
1/8	1/8FVT3-90°	1/8FVT3-90°-SS	1/8FVT3-90°-316SS	1/8FVT3-90°-NP	1/2	9/16	19/32	19/32
5/32 / 4mm	1/8FVT3 1/2-90°	1/8FVT3 1/2-90°-SS	1/8FVT3 1/2-90°-316SS	1/8FVT3 1/2-90°-NP	1/2	9/16	19/32	19/32
.170	1/8FVT4-90°	1/8FVT4-90°-SS	1/8FVT4-90°-316SS	1/8FVT4-90°-NP	1/2	9/16	5/8	5/8
3/16	1/8FVT5-90°	1/8FVT5-90°-SS	1/8FVT5-90°-316SS	1/8FVT5-90°-NP	1/2	9/16	21/32	21/32
7/32	1/8FVT5 1/2-90°	1/8FVT5 1/2-90°-SS	1/8FVT5 1/2-90°-316SS	1/8FVT5 1/2-90°-NP	1/2	9/16	21/32	21/32
6mm	1/8FVT5 3/4-90°	1/8FVT5 3/4-90°-SS	1/8FVT5 3/4-90°-316SS	1/8FVT5 3/4-90°-NP	9/16	9/16	25/32	25/32
1/4	1/8FVT6-90°	1/8FVT6-90°-SS	1/8FVT6-90°-316SS	1/8FVT6-90°-NP	9/16	9/16	25/32	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	1	1
3/8	1/8FVT8-90°	1/8FVT8-90°-SS	1/8FVT8-90°-316SS	1/8FVT8-90°-NP	1 5/64	3/4	29/32	29/32
1/2	1/8FVT10-90°	1/8FVT10-90°-SS	1/8FVT10-90°-316SS	1/8FVT10-90°-NP	1 5/64	3/4	1 1/8	1 1/8

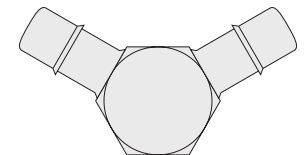
554

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°

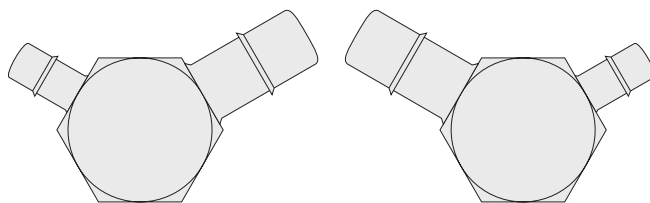


1/8FVT6-120°

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

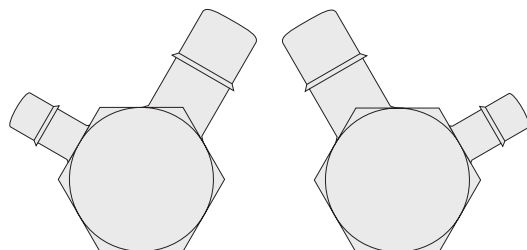
1/8 NPT Female Thread to Tube 90° & 120° Reducing V-Tees also available! Consult factory for details!

V



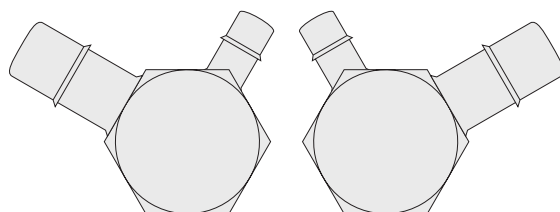
1/8FRVT7-5-120°-LH

1/8FRVT7-5-120°-RH



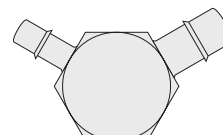
1/8FRVT7-5-90°-LH

1/8FRVT7-5-90°-RH

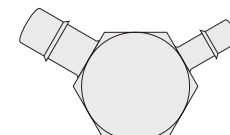


1/8FRVT5-7-90°-LH

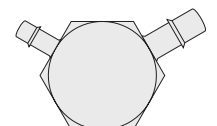
1/8FRVT5-7-90°-RH



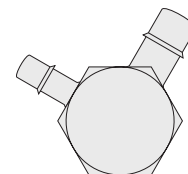
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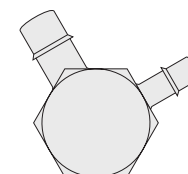
1/8FRVT5-3-120°-RH



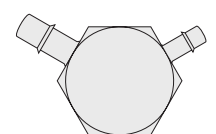
1/8FRVT3-2-120°-LH



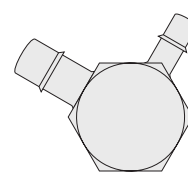
1/8FRVT5-3-90°-LH



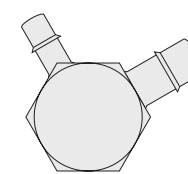
1/8FRVT5-3-90°-RH



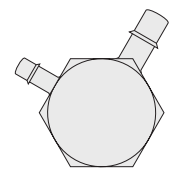
1/8FRVT3-2-120°-RH



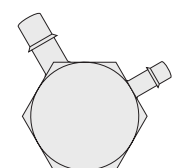
1/8FRVT3-5-90°-LH



1/8FRVT3-5-90°-RH



1/8FRVT3-2-90°-LH

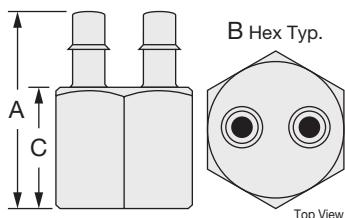


1/8FRVT3-2-90°-RH

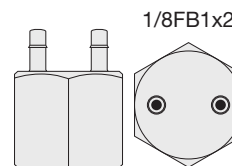
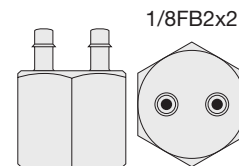
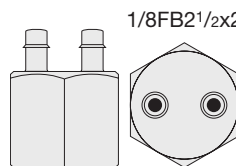
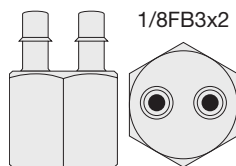
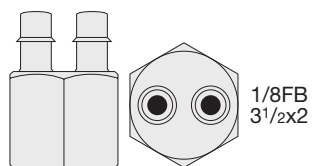
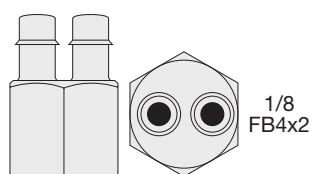
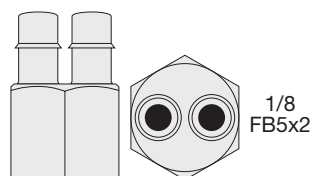
Note: for systems that do not allow the degree symbol (°) to be used, it can be substituted with 'DEG' in the part number.

1/8 NPT Female Straight Manifolds with 2 Branches

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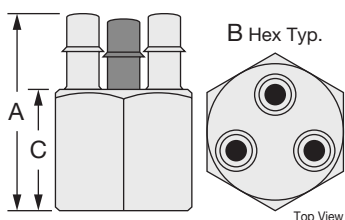


Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/8FB.031x2	1/8FB.031x2-SS	1/8FB.031x2-316SS	1/8FB.031x2-NP	1 1/16	9/16	1/2
.040 / 1mm	1/8FB.040x2	1/8FB.040x2-SS	1/8FB.040x2-316SS	1/8FB.040x2-NP	1 1/16	9/16	1/2
3/64	1/8FB.045x2	1/8FB.045x2-SS	1/8FB.045x2-316SS	1/8FB.045x2-NP	1 1/16	9/16	1/2
.050	1/8FB.050x2	1/8FB.050x2-SS	1/8FB.050x2-316SS	1/8FB.050x2-NP	1 1/16	9/16	1/2
1/16	1/8FB1x2	1/8FB1x2-SS	1/8FB1x2-316SS	1/8FB1x2-NP	2 3/32	9/16	1/2
5/64 / 2mm	1/8FB2x2	1/8FB2x2-SS	1/8FB2x2-316SS	1/8FB2x2-NP	2 3/32	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	2 3/32	9/16	1/2
1/8	1/8FB3x2	1/8FB3x2-SS	1/8FB3x2-316SS	1/8FB3x2-NP	1 3/16	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	1 3/16	9/16	1/2
.170	1/8FB4x2	1/8FB4x2-SS	1/8FB4x2-316SS	1/8FB4x2-NP	2 7/32	9/16	1/2
3/16	1/8FB5x2	1/8FB5x2-SS	1/8FB5x2-316SS	1/8FB5x2-NP	7/8	9/16	1/2

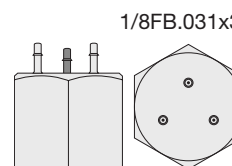
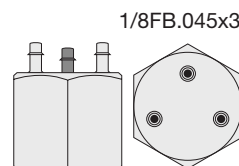
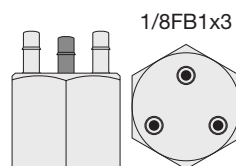
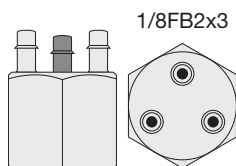
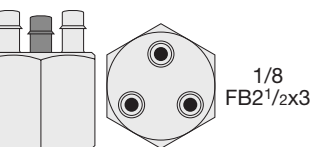
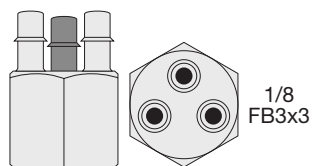


1/8 NPT Female Straight Manifolds with 3 Branches

556

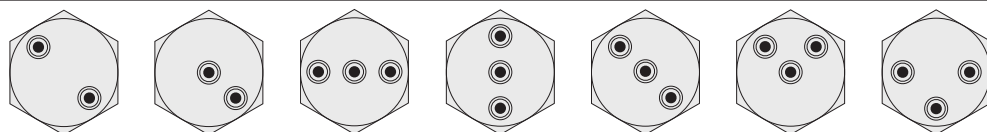


Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/8FB.031x3	1/8FB.031x3-SS	1/8FB.031x3-316SS	1/8FB.031x3-NP	1 1/16	9/16	1/2
.040 / 1mm	1/8FB.040x3	1/8FB.040x3-SS	1/8FB.040x3-316SS	1/8FB.040x3-NP	1 1/16	9/16	1/2
3/64	1/8FB.045x3	1/8FB.045x3-SS	1/8FB.045x3-316SS	1/8FB.045x3-NP	1 1/16	9/16	1/2
.050	1/8FB.050x3	1/8FB.050x3-SS	1/8FB.050x3-316SS	1/8FB.050x3-NP	1 1/16	9/16	1/2
1/16	1/8FB1x3	1/8FB1x3-SS	1/8FB1x3-316SS	1/8FB1x3-NP	2 3/32	9/16	1/2
5/64 / 2mm	1/8FB2x3	1/8FB2x3-SS	1/8FB2x3-316SS	1/8FB2x3-NP	2 3/32	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	2 3/32	9/16	1/2
1/8	1/8FB3x3	1/8FB3x3-SS	1/8FB3x3-316SS	1/8FB3x3-NP	1 3/16	9/16	1/2



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

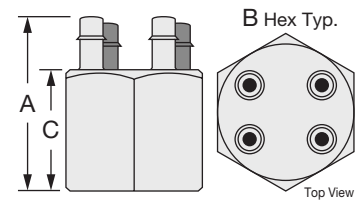
Customize your Straight Manifolds with alternate Branch locations!! Use the Template on page 308 to indicate Branch placement!



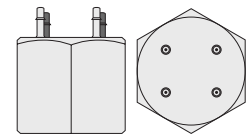
557

1/8 NPT Female Straight Manifolds with 4 Branches

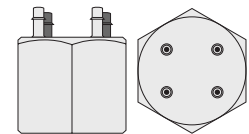
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/8FB.031x4	1/8FB.031x4-SS	1/8FB.031x4-316SS	1/8FB.031x4-NP	11/16	9/16	1/2
.040 / 1mm	1/8FB.040x4	1/8FB.040x4-SS	1/8FB.040x4-316SS	1/8FB.040x4-NP	11/16	9/16	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



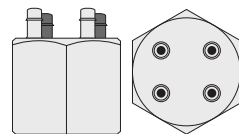
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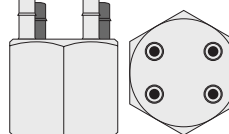
1/8FB.040x4



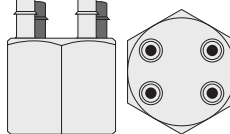
1/8FB.050x4



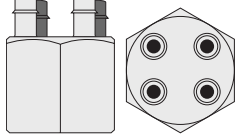
1/8FB1x4



1/8FB2x4



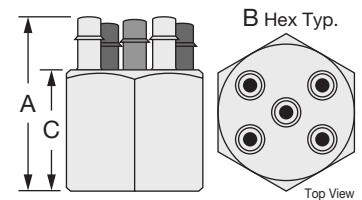
1/8FB2 1/2x4



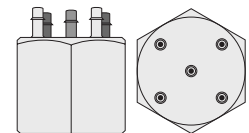
558

1/8 NPT Female Straight Manifolds with 5 Branches

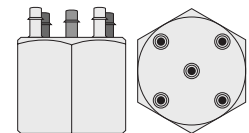
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/8FB.031x5	1/8FB.031x5-SS	1/8FB.031x5-316SS	1/8FB.031x5-NP	11/16	9/16	1/2
.040 / 1mm	1/8FB.040x5	1/8FB.040x5-SS	1/8FB.040x5-316SS	1/8FB.040x5-NP	11/16	9/16	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



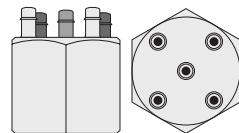
1/8FB.040x5



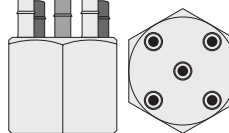
1/8FB.045x5



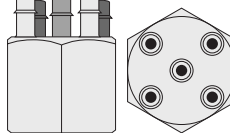
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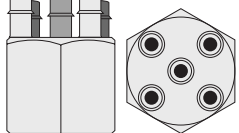
1/8FB1x5



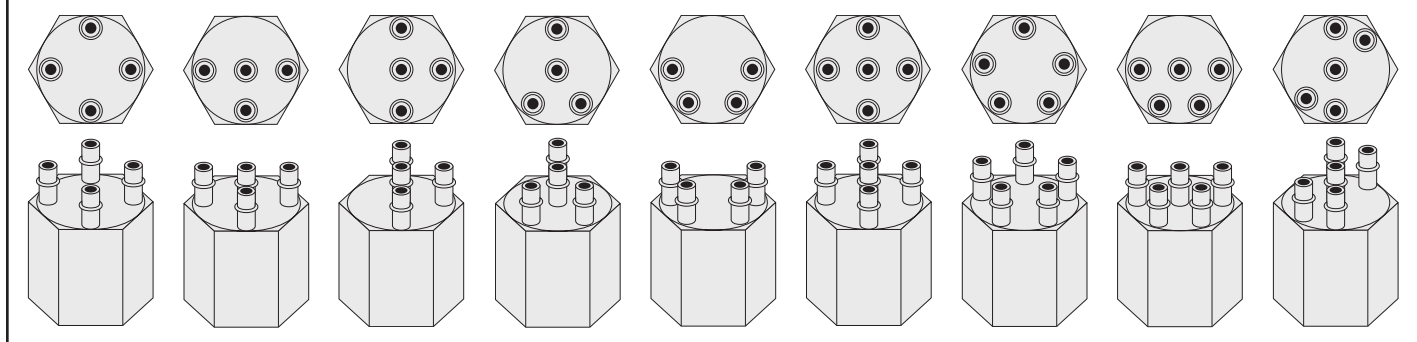
1/8FB2x5



1/8FB2 1/2x5

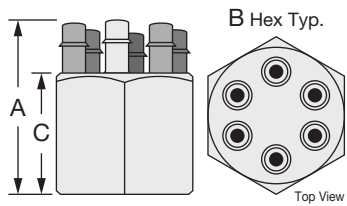


Customize Manifolds with alternative branch locations!! Use the Template on page 308 to indicate Branch placement!

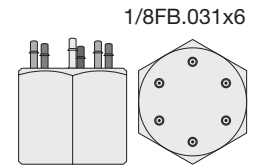
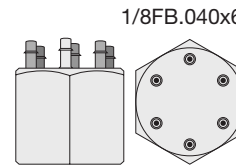
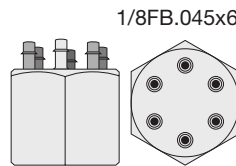
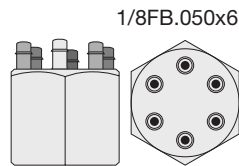
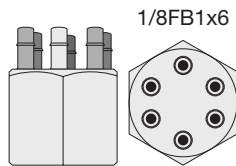
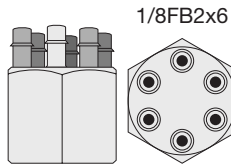


1/8 NPT Female Straight Manifolds with 6 Branches

559

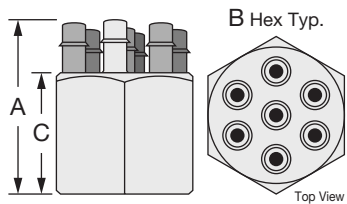


Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/8FB.031x6	1/8FB.031x6-SS	1/8FB.031x6-316SS	1/8FB.031x6-NP	1 1/16	9/16	1/2
.040 / 1mm	1/8FB.040x6	1/8FB.040x6-SS	1/8FB.040x6-316SS	1/8FB.040x6-NP	1 1/16	9/16	1/2
3/64	1/8FB.045x6	1/8FB.045x6-SS	1/8FB.045x6-316SS	1/8FB.045x6-NP	1 1/16	9/16	1/2
.050	1/8FB.050x6	1/8FB.050x6-SS	1/8FB.050x6-316SS	1/8FB.050x6-NP	1 1/16	9/16	1/2
1/16	1/8FB1x6	1/8FB1x6-SS	1/8FB1x6-316SS	1/8FB1x6-NP	2 3/32	9/16	1/2
5/64 / 2mm	1/8FB2x6	1/8FB2x6-SS	1/8FB2x6-316SS	1/8FB2x6-NP	2 3/32	9/16	1/2

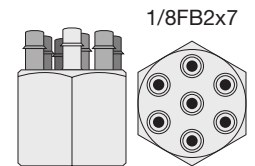
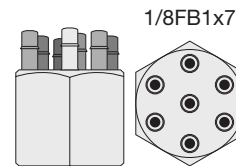
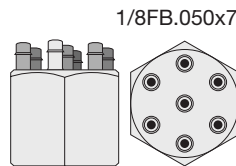
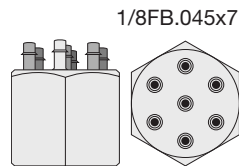
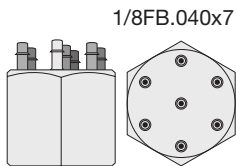
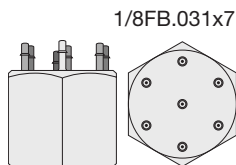


1/8 NPT Female Straight Manifolds with 7 Branches

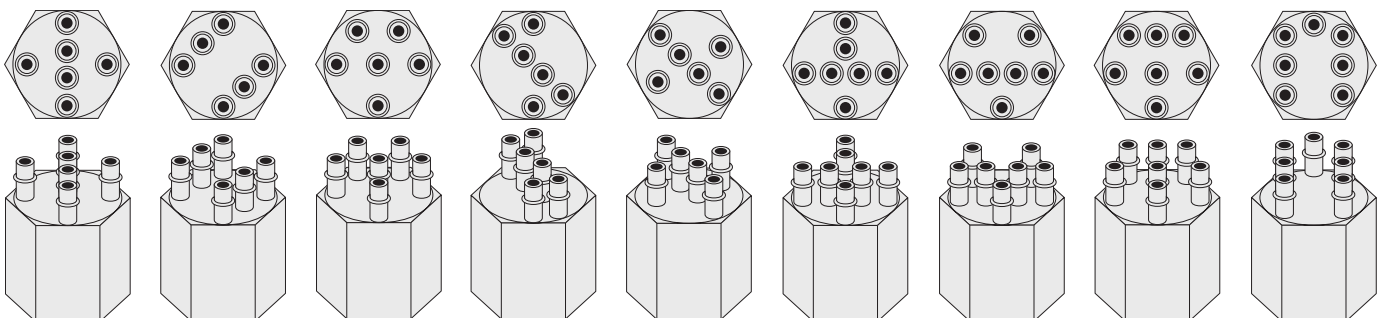
560



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	1 1/16	9/16	1/2
.040 / 1mm	1/8FB.040x7	1/8FB.040x7-SS	1/8FB.040x7-316SS	1/8FB.040x7-NP	1 1/16	9/16	1/2
3/64	1/8FB.045x7	1/8FB.045x7-SS	1/8FB.045x7-316SS	1/8FB.045x7-NP	1 1/16	9/16	1/2
.050	1/8FB.050x7	1/8FB.050x7-SS	1/8FB.050x7-316SS	1/8FB.050x7-NP	1 1/16	9/16	1/2
1/16	1/8FB1x7	1/8FB1x7-SS	1/8FB1x7-316SS	1/8FB1x7-NP	2 3/32	9/16	1/2
5/64 / 2mm	1/8FB2x7	1/8FB2x7-SS	1/8FB2x7-316SS	1/8FB2x7-NP	2 3/32	9/16	1/2



Customize Manifolds with alternative branch locations!! Use the Template on page 308 to indicate Branch placement!



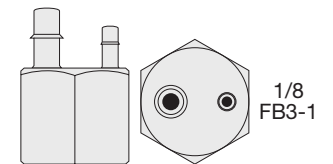
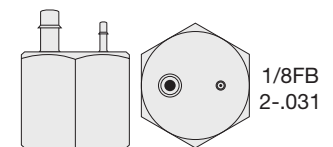
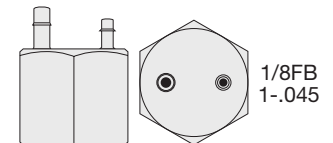
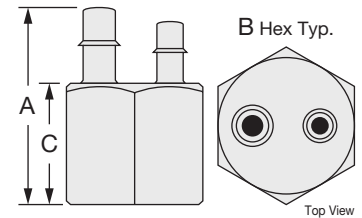
561

1/8 NPT Female Straight Reducing Manifolds with 2 Branches

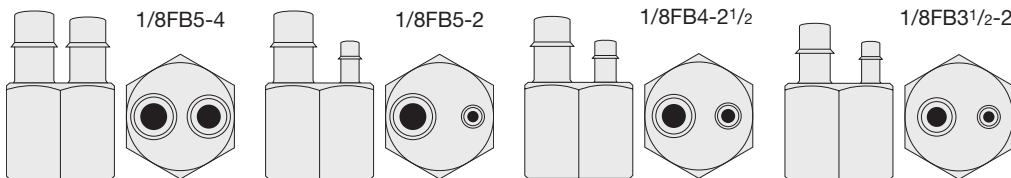
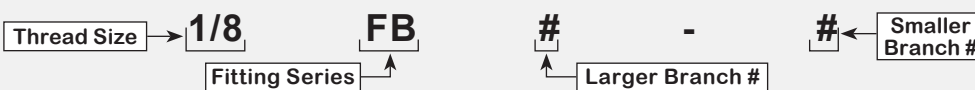
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/32	.031	1 1/16	9/16	1/2
.040 / 1mm	.040	1 1/16	9/16	1/2
3/64	.045	1 1/16	9/16	1/2
.050	.050	1 1/16	9/16	1/2
1/16	1	23/32	9/16	1/2
5/64 / 2mm	2	23/32	9/16	1/2

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:

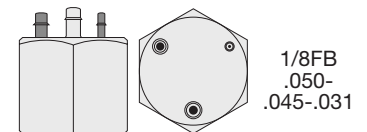
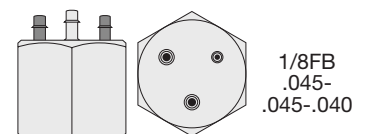
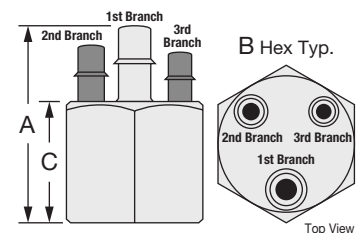


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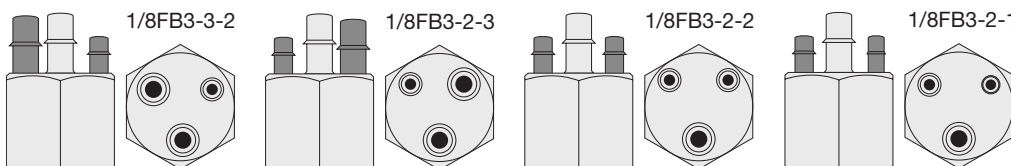
1/8 NPT Female Straight Reducing Manifolds with 3 Branches

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/32	.031	1 1/16	9/16	1/2
.040 / 1mm	.040	1 1/16	9/16	1/2
3/64	.045	1 1/16	9/16	1/2
.050	.050	1 1/16	9/16	1/2

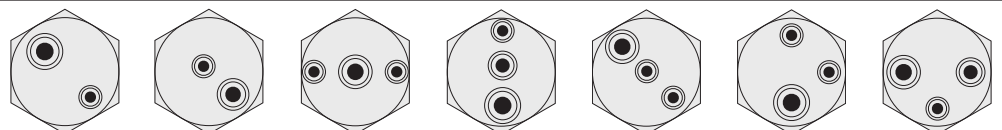
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/16	1	23/32	9/16	1/2
5/64 / 2mm	2	23/32	9/16	1/2
3/32	2 1/2	23/32	9/16	1/2
1/8	3	13/16	9/16	1/2



Part Numbers for 1/8 NPT Female Thread Reducing Manifolds with 3 Branches:

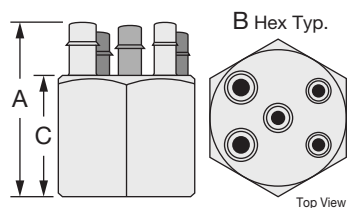

Unless otherwise specified, parts will be Brass. For other materials, add the following codes to the part number:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate


Customize Straight Manifolds with alternate Branch locations!! Use the Template on page 308 to indicate Branch placement!



1/8 NPT Female Straight Reducing Manifolds with 4 or 5 Branches

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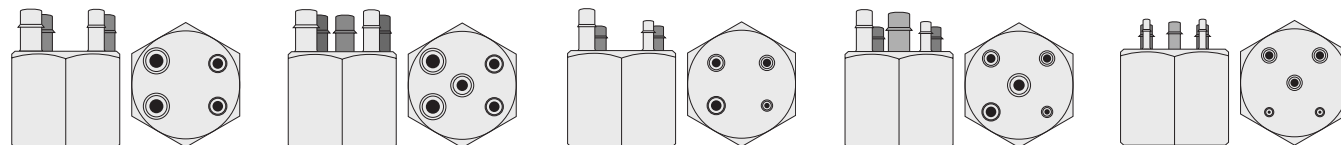


Use the template on below to indicate branch sizes & placement!

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/32	.031	1 1/16	9/16	1/2
.040 / 1mm	.040	1 1/16	9/16	1/2
3/64	.045	1 1/16	9/16	1/2
.050	.050	1 1/16	9/16	1/2

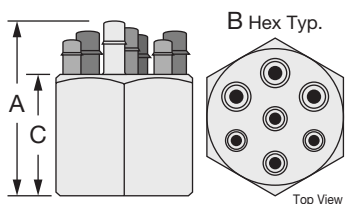
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/16	1	2 3/32	9/16	1/2
5/64 / 2mm	2	2 3/32	9/16	1/2
3/32	2 1/2	2 3/32	9/16	1/2

Material options listed on previous page!



1/8 NPT Female Straight Reducing Manifolds with 6 or 7 Branches

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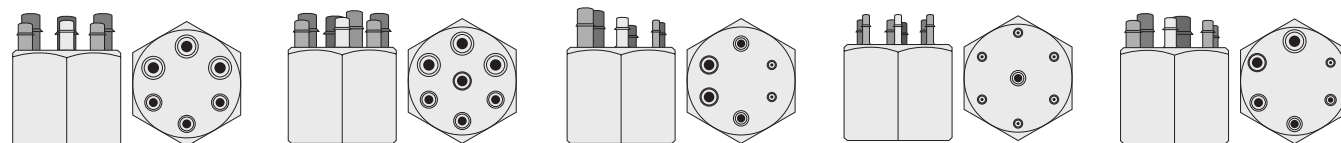
Use the template on below to indicate branch sizes & placement!

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/32	.031	1 1/16	9/16	1/2
.040 / 1mm	.040	1 1/16	9/16	1/2
3/64	.045	1 1/16	9/16	1/2
.050	.050	1 1/16	9/16	1/2

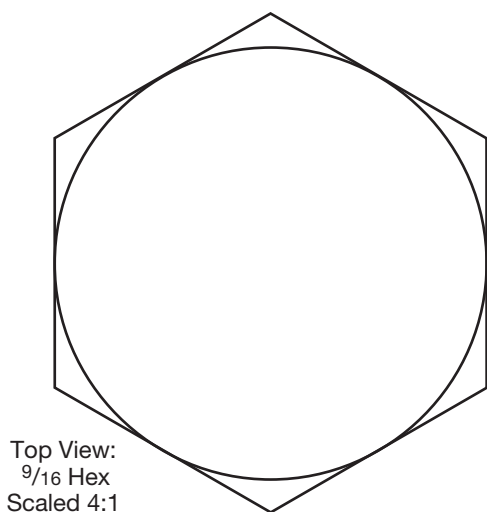
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/16	1	2 3/32	9/16	1/2
5/64 / 2mm	2	2 3/32	9/16	1/2

Material options listed on previous page!

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



1/8 NPT Female Thread Straight Manifold Template for Branch Sizes and Locations



To Use:

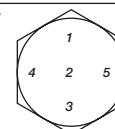
Indicate the desired location of each branch by writing the numbers 1 through 7 (1 = 1st Branch, etc.) on the diagram on the left. Mark the coordinating Branch Number (size) in the chart below. Reference tables above for Branch Numbers and Tube ID's. Upon receipt of this template, a part number* will 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

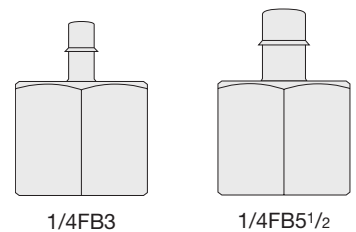
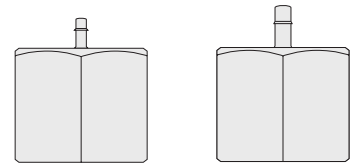
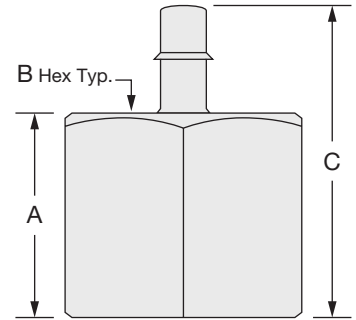
Part number: 1/4B2-2-2-1-1
 Two #2 Branches (1st, 2nd, 3rd)
 Two #1 Branches (4th, 5th)

*Part numbers will vary depending on branch configuration

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1/4 NPT Female Thread to Tube

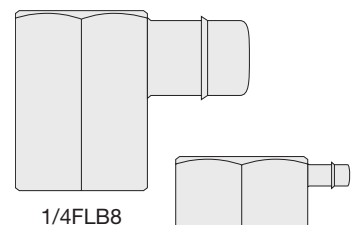
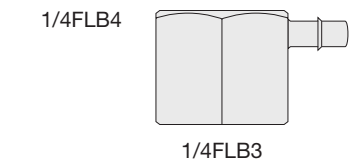
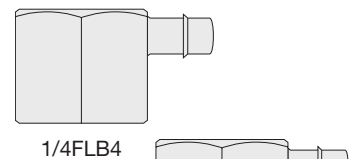
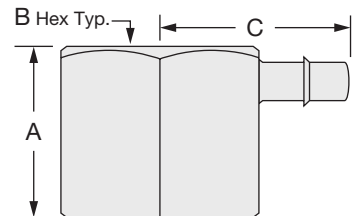
Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/4FB.031	1/4FB.031-SS	1/4FB.031-316SS	N/A	1/4FB.031-NP	19/32	1 1/16	3/4
.040 / 1mm	1/4FB.040	1/4FB.040-SS	1/4FB.040-316SS	N/A	1/4FB.040-NP	19/32	1 1/16	3/4
3/64	1/4FB.045	1/4FB.045-SS	1/4FB.045-316SS	N/A	1/4FB.045-NP	19/32	1 1/16	3/4
.050	1/4FB.050	1/4FB.050-SS	1/4FB.050-316SS	N/A	1/4FB.050-NP	19/32	1 1/16	3/4
1/16	1/4FB1	1/4FB1-SS	1/4FB1-316SS	1/4FB1-AL	1/4FB1-NP	19/32	1 1/16	13/16
5/64 / 2mm	1/4FB2	1/4FB2-SS	1/4FB2-316SS	1/4FB2-AL	1/4FB2-NP	19/32	1 1/16	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	1 1/16	13/16
1/8	1/4FB3	1/4FB3-SS	1/4FB3-316SS	1/4FB3-AL	1/4FB3-NP	19/32	1 1/16	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	1 1/16	29/32
.170	1/4FB4	1/4FB4-SS	1/4FB4-316SS	1/4FB4-AL	1/4FB4-NP	19/32	1 1/16	15/16
3/16	1/4FB5	1/4FB5-SS	1/4FB5-316SS	1/4FB5-AL	1/4FB5-NP	19/32	1 1/16	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	1 1/16	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	1 1/16	1 3/32
1/4	1/4FB6	1/4FB6-SS	1/4FB6-316SS	1/4FB6-AL	1/4FB6-NP	19/32	1 1/16	1 3/32
5/16 / 8mm	1/4FB7	1/4FB7-SS	1/4FB7-316SS	1/4FB7-AL	1/4FB7-NP	19/32	1 1/16	1 7/32
3/8	1/4FB8	1/4FB8-SS	1/4FB8-316SS	1/4FB8-AL	1/4FB8-NP	19/32	1 1/16	1 1/8
1/2	1/4FB10	1/4FB10-SS	1/4FB10-316SS	1/4FB10-AL	1/4FB10-NP	19/32	1 1/16	1 11/32



566

1/4 NPT Female Thread to Tube Elbows

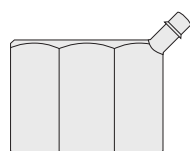
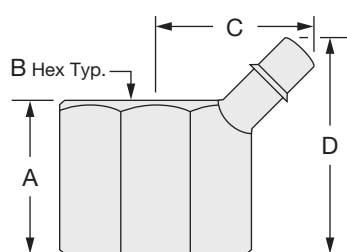
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/4FLB.031	1/4FLB.031-SS	1/4FLB.031-316SS	1/4FLB.031-NP	19/32	1 1/16	1/2
.040 / 1mm	1/4FLB.040	1/4FLB.040-SS	1/4FLB.040-316SS	1/4FLB.040-NP	19/32	1 1/16	1/2
3/64	1/4FLB.045	1/4FLB.045-SS	1/4FLB.045-316SS	1/4FLB.045-NP	19/32	1 1/16	1/2
.050	1/4FLB.050	1/4FLB.050-SS	1/4FLB.050-316SS	1/4FLB.050-NP	19/32	1 1/16	1/2
1/16	1/4FLB1	1/4FLB1-SS	1/4FLB1-316SS	1/4FLB1-NP	19/32	1 1/16	9/16
5/64 / 2mm	1/4FLB2	1/4FLB2-SS	1/4FLB2-316SS	1/4FLB2-NP	19/32	1 1/16	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	1 1/16	9/16
1/8	1/4FLB3	1/4FLB3-SS	1/4FLB3-316SS	1/4FLB3-NP	19/32	1 1/16	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	1 1/16	21/32
.170	1/4FLB4	1/4FLB4-SS	1/4FLB4-316SS	1/4FLB4-NP	19/32	1 1/16	11/16
3/16	1/4FLB5	1/4FLB5-SS	1/4FLB5-316SS	1/4FLB5-NP	19/32	1 1/16	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	1 1/16	23/32
6mm	1/4FLB5 3/4	1/4FLB5 3/4-SS	1/4FLB5 3/4-316SS	1/4FLB5 3/4-NP	19/32	1 1/16	27/32
1/4	1/4FLB6	1/4FLB6-SS	1/4FLB6-316SS	1/4FLB6-NP	19/32	1 1/16	27/32
5/16 / 8mm	1/4FLB7	1/4FLB7-SS	1/4FLB7-316SS	1/4FLB7-NP	15/16	1 1/16	31/32
3/8	1/4FLB8	1/4FLB8-SS	1/4FLB8-316SS	1/4FLB8-NP	15/16	1 1/16	7/8
1/2	1/4FLB10	1/4FLB10-SS	1/4FLB10-316SS	1/4FLB10-NP	13/16	3/4	1 1/8



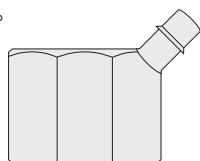
1/4FLB2 1/2

1/4 NPT Female Thread to Tube 45° Elbows

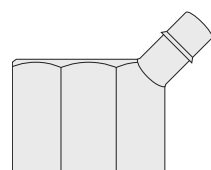
567



1/4FLB2-45°



1/4FLB3 1/2-45°



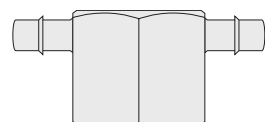
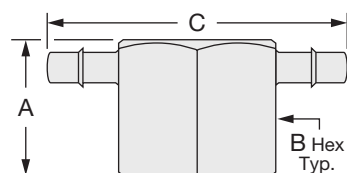
1/4FLB5-45°

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

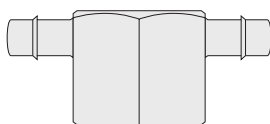
Tube ID	Part Numbers				Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/32	1/4FLB.031-45°	1/4FLB.031-45°-SS	1/4FLB.031-45°-316SS	1/4FLB.031-45°-NP	19/32	1 1/16		
.040 / 1mm	1/4FLB.040-45°	1/4FLB.040-45°-SS	1/4FLB.040-45°-316SS	1/4FLB.040-45°-NP	19/32	1 1/16		
3/64	1/4FLB.045-45°	1/4FLB.045-45°-SS	1/4FLB.045-45°-316SS	1/4FLB.045-45°-NP	19/32	1 1/16		
.050	1/4FLB.050-45°	1/4FLB.050-45°-SS	1/4FLB.050-45°-316SS	1/4FLB.050-45°-NP	19/32	1 1/16		
1/16	1/4FLB1-45°	1/4FLB1-45°-SS	1/4FLB1-45°-316SS	1/4FLB1-45°-NP	19/32	1 1/16		
5/64 / 2mm	1/4FLB2-45°	1/4FLB2-45°-SS	1/4FLB2-45°-316SS	1/4FLB2-45°-NP	19/32	1 1/16		
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	1 1/16		
1/8	1/4FLB3-45°	1/4FLB3-45°-SS	1/4FLB3-45°-316SS	1/4FLB3-45°-NP	19/32	1 1/16		
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	1 1/16		
.170	1/4FLB4-45°	1/4FLB4-45°-SS	1/4FLB4-45°-316SS	1/4FLB4-45°-NP	19/32	1 1/16		
3/16	1/4FLB5-45°	1/4FLB5-45°-SS	1/4FLB5-45°-316SS	1/4FLB5-45°-NP	19/32	1 1/16		
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	1 1/16		
6mm	1/4FLB 5 3/4-45°	1/4FLB 5 3/4-45°-SS	1/4FLB 5 3/4-45°-316SS	1/4FLB 5 3/4-45°-NP	19/32	1 1/16		
1/4	1/4FLB6-45°	1/4FLB6-45°-SS	1/4FLB6-45°-316SS	1/4FLB6-45°-NP	19/32	1 1/16		
5/16 / 8mm	1/4FLB7-45°	1/4FLB7-45°-SS	1/4FLB7-45°-316SS	1/4FLB7-45°-NP	19/32	1 1/16		
3/8	1/4FLB8-45°	1/4FLB8-45°-SS	1/4FLB8-45°-316SS	1/4FLB8-45°-NP	19/32	1 1/16		
1/2	1/4FLB10-45°	1/4FLB10-45°-SS	1/4FLB10-45°-316SS	1/4FLB10-45°-NP	19/32	3/4		

1/4 NPT Female Thread to Tube Tees

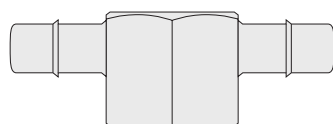
568



1/4FT3 1/2



1/4FT4



1/4FT6

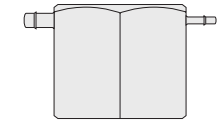
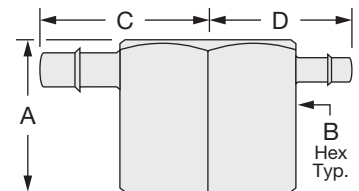
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/4FT.031	1/4FT.031-SS	1/4FT.031-316SS	1/4FT.031-NP	19/32	1 1/16	1
.040 / 1mm	1/4FT.040	1/4FT.040-SS	1/4FT.040-316SS	1/4FT.040-NP	19/32	1 1/16	1
3/64	1/4FT.045	1/4FT.045-SS	1/4FT.045-316SS	1/4FT.045-NP	19/32	1 1/16	1
.050	1/4FT.050	1/4FT.050-SS	1/4FT.050-316SS	1/4FT.050-NP	19/32	1 1/16	1
1/16	1/4FT1	1/4FT1-SS	1/4FT1-316SS	1/4FT1-NP	19/32	1 1/16	1 1/8
5/64 / 2mm	1/4FT2	1/4FT2-SS	1/4FT2-316SS	1/4FT2-NP	19/32	1 1/16	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	1 1/16	1 1/8
1/8	1/4FT3	1/4FT3-SS	1/4FT3-316SS	1/4FT3-NP	19/32	1 1/16	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	1 1/16	1 5/16
.170	1/4FT4	1/4FT4-SS	1/4FT4-316SS	1/4FT4-NP	19/32	1 1/16	1 3/8
3/16	1/4FT5	1/4FT5-SS	1/4FT5-316SS	1/4FT5-NP	19/32	1 1/16	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	1 1/16	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	1 1/16	1 21/32
1/4	1/4FT6	1/4FT6-SS	1/4FT6-316SS	1/4FT6-NP	19/32	1 1/16	1 21/32
5/16 / 8mm	1/4FT7	1/4FT7-SS	1/4FT7-316SS	1/4FT7-NP	15/16	1 1/16	1 15/16
3/8	1/4FT8	1/4FT8-SS	1/4FT8-316SS	1/4FT8-NP	15/16	1 1/16	1 3/4
1/2	1/4FT10	1/4FT10-SS	1/4FT10-316SS	1/4FT10-NP	15/16	3/4	2 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!

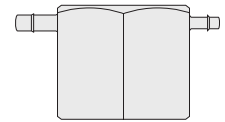
569

1/4 NPT Female Thread to Tube Reducing Tees

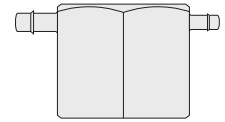
Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
.040 / 1mm	1/32	1/4FRT.040-.031	1/4FRT.040-.031-SS	1/4FRT.040-.031-316SS	1/4FRT.040-.031-NP	19/32	11/16	1/2	1/2
3/64	1/32	1/4FRT.045-.031	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



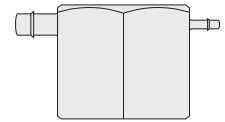
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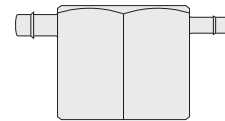
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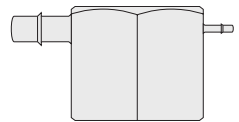
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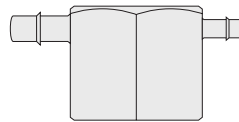
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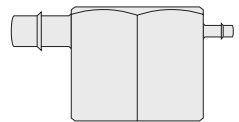
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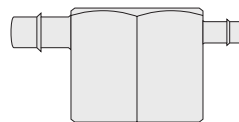
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1/4FRT3 1/2-.045

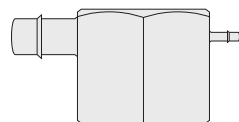
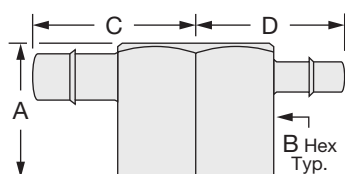


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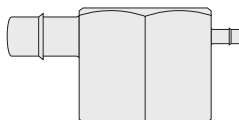
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1/4 NPT Female Thread to Tube Reducing Tees (continued)

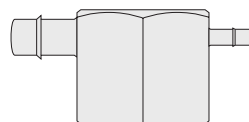
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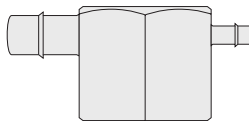
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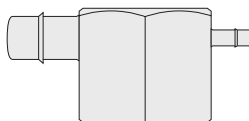
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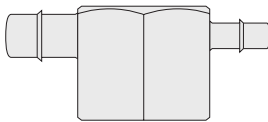
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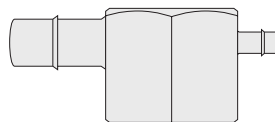
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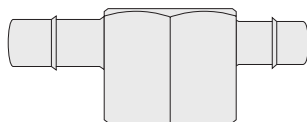
1/4FRT5 1/2-1



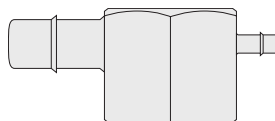
1/4FRT5 1/2-3



1/4FRT5 3/4-2 1/2



1/4FRT5 3/4-5 1/2



1/8FRT6-2

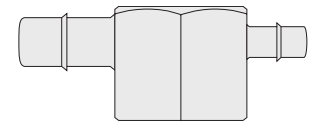
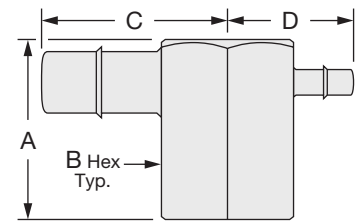
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Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
.170	1/32	1/4FRT4-.031	1/4FRT4-.031-SS	1/4FRT4-.031-316SS	1/4FRT4-.031-NP	19/32	11/16	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

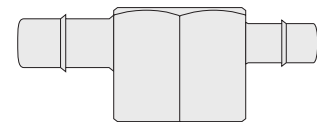
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1/4 NPT Female Thread to Tube Reducing Tees (continued)

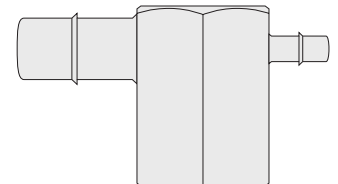
Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/4	5/32 / 4mm	1/4FRT6-3 1/2	1/4FRT6-3 1/2-SS	1/4FRT6-3 1/2-316SS	1/4FRT6-3 1/2-NP	19/32	1 1/16	27/32	2 1/32
1/4	.170	1/4FRT6-4	1/4FRT6-4-SS	1/4FRT6-4-316SS	1/4FRT6-4-NP	19/32	1 1/16	27/32	1 1/16
1/4	3/16	1/4FRT6-5	1/4FRT6-5-SS	1/4FRT6-5-316SS	1/4FRT6-5-NP	19/32	1 1/16	27/32	2 3/32
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	1 1/16	27/32	2 3/32
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	1 1/16	27/32	2 7/32
5/16 / 8mm	1/16	1/4FRT7-1	1/4FRT7-1-SS	1/4FRT7-1-316SS	1/4FRT7-1-NP	15/32	1 1/16	3 1/32	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	1 1/16	3 1/32	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	1 1/16	3 1/32	9/16
5/16 / 8mm	1/8	1/4FRT7-3	1/4FRT7-3-SS	1/4FRT7-3-316SS	1/4FRT7-3-NP	15/16	1 1/16	3 1/32	2 1/32
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	1 1/16	3 1/32	2 1/32
5/16 / 8mm	.170	1/4FRT7-4	1/4FRT7-4-SS	1/4FRT7-4-316SS	1/4FRT7-4-NP	15/16	1 1/16	3 1/32	1 1/16
5/16 / 8mm	3/16	1/4FRT7-5	1/4FRT7-5-SS	1/4FRT7-5-316SS	1/4FRT7-5-NP	15/32	1 1/16	3 1/32	2 3/32
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	1 1/16	3 1/32	2 3/32
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	1 1/16	3 1/32	2 7/32
5/16 / 8mm	1/4	1/4FRT7-6	1/4FRT7-6-SS	1/4FRT7-6-316SS	1/4FRT7-6-NP	15/32	1 1/16	3 1/32	2 7/32
3/8	1/16	1/4FRT8-1	1/4FRT8-1-SS	1/4FRT8-1-316SS	1/4FRT8-1-NP	15/32	1 1/16	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	1 1/16	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	1 1/16	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	1 1/16	7/8	2 1/32
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	1 1/16	7/8	2 1/32
3/8	.170	1/4FRT8-4	1/4FRT8-4-SS	1/4FRT8-4-316SS	1/4FRT8-4-NP	15/32	1 1/16	7/8	1 1/16
3/8	3/16	1/4FRT8-5	1/4FRT8-5-SS	1/4FRT8-5-316SS	1/4FRT8-5-NP	15/32	1 1/16	7/8	2 3/32
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	1 1/16	7/8	2 3/32
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	1 1/16	7/8	2 7/32
3/8	1/4	1/4FRT8-6	1/4FRT8-6-SS	1/4FRT8-6-316SS	1/4FRT8-6-NP	15/32	1 1/16	7/8	2 7/32
3/8	5/16 / 8mm	1/4FRT8-7	1/4FRT8-7-SS	1/4FRT8-7-316SS	1/4FRT8-7-NP	15/16	1 1/16	7/8	3 1/32
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	1 9/32
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	1 9/32
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	1 9/32
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	1 1/16
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	1 1/16
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	2 3/32
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	2 9/32



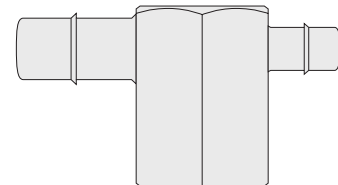
1/8FRT6-3 1/2



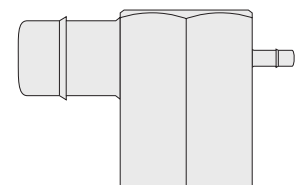
1/8FRT6-5



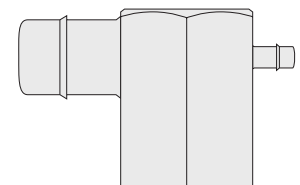
1/4FRT7-3



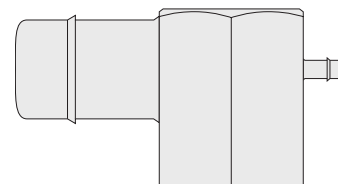
1/4FRT7-5 1/2



1/4FRT8-1



1/4FRT8-2 1/2

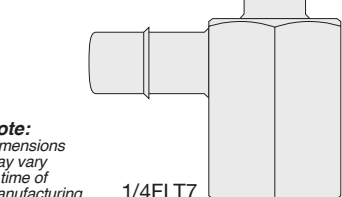
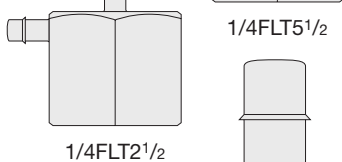
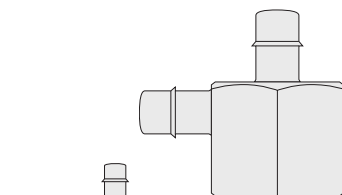
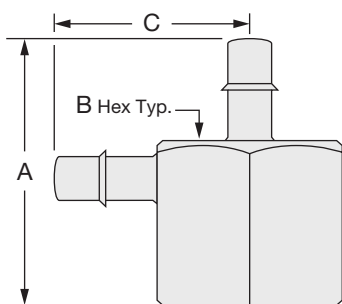


1/4FRT10-2

W

1/4 NPT Female Thread to Tube L-Tees

572

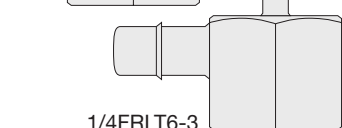
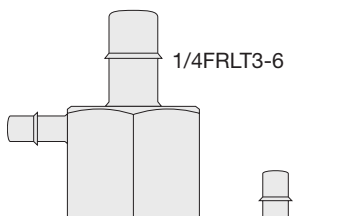
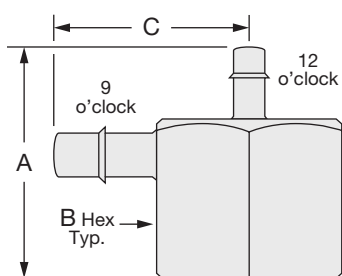


Note:
Dimensions
may vary
at time of
manufacturing.

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	1 1/16	1/2
.040 / 1mm	1/4FLT.040	1/4FLT.040-SS	1/4FLT.040-316SS	1/4FLT.040-NP	3/4	1 1/16	1/2
3/64	1/4FLT.045	1/4FLT.045-SS	1/4FLT.045-316SS	1/4FLT.045-NP	3/4	1 1/16	1/2
.050	1/4FLT.050	1/4FLT.050-SS	1/4FLT.050-316SS	1/4FLT.050-NP	3/4	1 1/16	1/2
1/16	1/4FLT1	1/4FLT1-SS	1/4FLT1-316SS	1/4FLT1-NP	13/16	1 1/16	9/16
5/64 / 2mm	1/4FLT2	1/4FLT2-SS	1/4FLT2-316SS	1/4FLT2-NP	13/16	1 1/16	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	1 1/16	9/16
1/8	1/4FLT3	1/4FLT3-SS	1/4FLT3-316SS	1/4FLT3-NP	29/32	1 1/16	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	1 1/16	21/32
.170	1/4FLT4	1/4FLT4-SS	1/4FLT4-316SS	1/4FLT4-NP	15/16	1 1/16	1 1/16
3/16	1/4FLT5	1/4FLT5-SS	1/4FLT5-316SS	1/4FLT5-NP	31/32	1 1/16	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	1 1/16	23/32
6mm	1/4FLT5 3/4	1/4FLT5 3/4-SS	1/4FLT5 3/4-316SS	1/4FLT5 3/4-NP	13/32	1 1/16	27/32
1/4	1/4FLT6	1/4FLT6-SS	1/4FLT6-316SS	1/4FLT6-NP	13/32	1 1/16	27/32
5/16 / 8mm	1/4FLT7	1/4FLT7-SS	1/4FLT7-316SS	1/4FLT7-NP	17/16	1 1/16	31/32
3/8	1/4FLT8	1/4FLT8-SS	1/4FLT8-316SS	1/4FLT8-NP	115/32	1 1/16	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

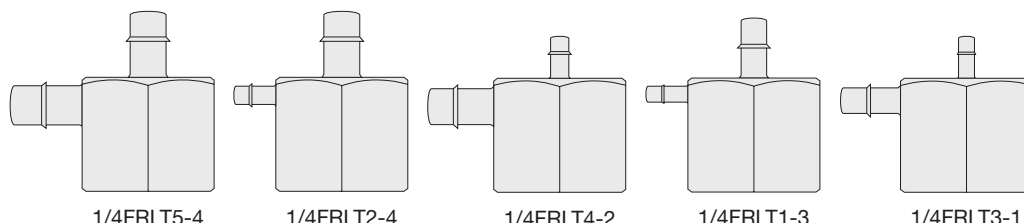


Branches		Dimensions (Reference)		
Tube ID	Branch #	A Ref.	B Typ.	C Ref.
1/32	.031	3/4	1 1/16	1/2
.040 / 1mm	.040	3/4	1 1/16	1/2
3/64	.045	3/4	1 1/16	1/2
.050	.050	3/4	1 1/16	1/2
1/16	1	13/16	1 1/16	9/16
5/64 / 2mm	2	13/16	1 1/16	9/16

Branches		Dimensions (Reference)		
Tube ID	Branch #	A Ref.	B Typ.	C Ref.
3/32	2 1/2	13/16	1 1/16	9/16
1/8	3	29/32	1 1/16	21/32
5/32 / 4mm	3 1/2	29/32	1 1/16	21/32
.170	4	15/16	1 1/16	1 1/16
3/16	5	31/32	1 1/16	23/32
7/32	5 1/2	31/32	1 1/16	23/32

Branches		Dimensions (Reference)		
Tube ID	Branch #	A Ref.	B Typ.	C Ref.
6mm	5 3/4	13/32	1 1/16	27/32
1/4	6	13/32	1 1/16	27/32
5/16 / 8mm	7	17/16	1 1/16	31/32
3/8	8	115/32	1 1/16	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

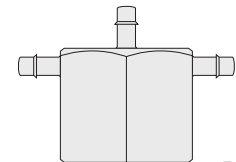
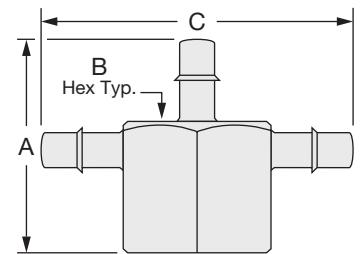
Part Numbers for 1/4 NPT Female Thread to Tube Reducing L-Tees:



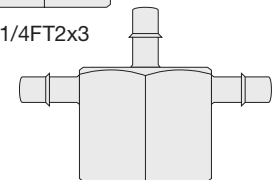
574

1/4 NPT Female Thread to Tube Tees x 3

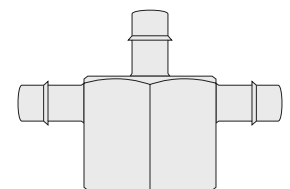
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/4FT.031x3	1/4FT.031x3-SS	1/4FT.031x3-316SS	1/4FT.031x3-NP	3/4	1 1/16	1
.040 / 1mm	1/4FT.040x3	1/4FT.040x3-SS	1/4FT.040x3-316SS	1/4FT.040x3-NP	3/4	1 1/16	1
3/64	1/4FT.045x3	1/4FT.045x3-SS	1/4FT.045x3-316SS	1/4FT.045x3-NP	3/4	1 1/16	1
.050	1/4FT.050x3	1/4FT.050x3-SS	1/4FT.050x3-316SS	1/4FT.050x3-NP	3/4	1 1/16	1
1/16	1/4FT1x3	1/4FT1x3-SS	1/4FT1x3-316SS	1/4FT1x3-NP	13/16	1 1/16	1 1/8
5/64 / 2mm	1/4FT2x3	1/4FT2x3-SS	1/4FT2x3-316SS	1/4FT2x3-NP	13/16	1 1/16	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	1 1/16	1 1/8
1/8	1/4FT3x3	1/4FT3x3-SS	1/4FT3x3-316SS	1/4FT3x3-NP	29/32	1 1/16	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	1 1/16	1 5/16
.170	1/4FT4x3	1/4FT4x3-SS	1/4FT4x3-316SS	1/4FT4x3-NP	15/16	1 1/16	1 3/8
3/16	1/4FT5x3	1/4FT5x3-SS	1/4FT5x3-316SS	1/4FT5x3-NP	31/32	1 1/16	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	1 1/16	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	1 1/16	1 21/32
1/4	1/4FT6x3	1/4FT6x3-SS	1/4FT6x3-316SS	1/4FT6x3-NP	13/32	1 1/16	1 21/32
5/16 / 8mm	1/4FT7x3	1/4FT7x3-SS	1/4FT7x3-316SS	1/4FT7x3-NP	17/16	1 1/16	1 15/16
3/8	1/4FT8x3	1/4FT8x3-SS	1/4FT8x3-316SS	1/4FT8x3-NP	115/32	1 1/16	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



1/4FT3x3

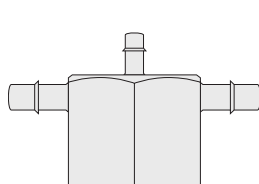


1/4FT4x3

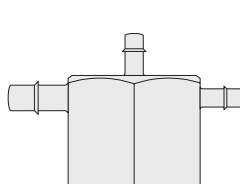
575

1/4 NPT Female Thread to Tube Custom Reducing Tees x 3

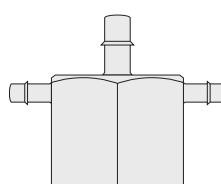
Branches		Dimensions (Reference)				Branches		Dimensions (Reference)				Branches		Dimensions (Reference)			
Tube ID	Branch #	A Ref.	B Typ.	C Ref.	D Ref.	Tube ID	Branch #	A Ref.	B Typ.	C Ref.	D Ref.	Tube ID	Branch #	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	3/4	1 1/16	1/2	1/2	3/32	2 1/2	13/16	1 1/16	9/16	9/16	6mm	5 3/4	13/32	1 1/16	27/32	27/32
.040 / 1mm	.040	3/4	1 1/16	1/2	1/2	1/8	3	29/32	1 1/16	21/32	21/32	1/4	6	13/32	1 1/16	27/32	27/32
3/64	.045	3/4	1 1/16	1/2	1/2	5/32 / 4mm	3 1/2	29/32	1 1/16	21/32	21/32	5/16 / 8mm	7	17/16	1 1/16	31/32	31/32
.050	.050	3/4	1 1/16	1/2	1/2	.170	4	15/16	1 1/16	1 1/16	1 1/16	3/8	8	1 15/32	1 1/16	7/8	7/8
1/16	1	13/16	1 1/16	9/16	9/16	3/16	5	31/32	1 1/16	23/32	23/32	1/2	10	1 11/16	3/4	1 1/8	1 1/8
5/64 / 2mm	2	13/16	1 1/16	9/16	9/16	7/32	5 1/2	31/32	1 1/16	23/32	23/32	Dimensions may vary during manufacturing and according to branch options chosen.					



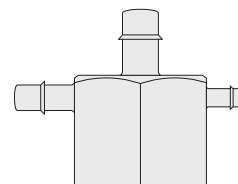
1/4FRT3-2-3



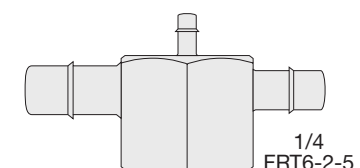
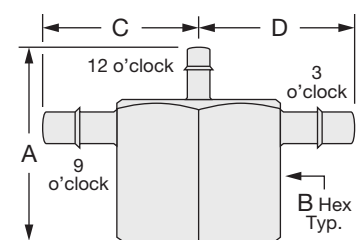
1/4FRT3-2-2



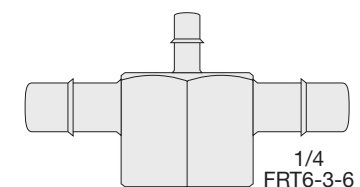
1/4FRT2-3-2



1/4FRT3-4-2



1/4 FRT6-2-5



1/4 FRT6-3-6

Part Numbers for 1/4 NPT Female Thread to Tube Reducing Tees x 3:

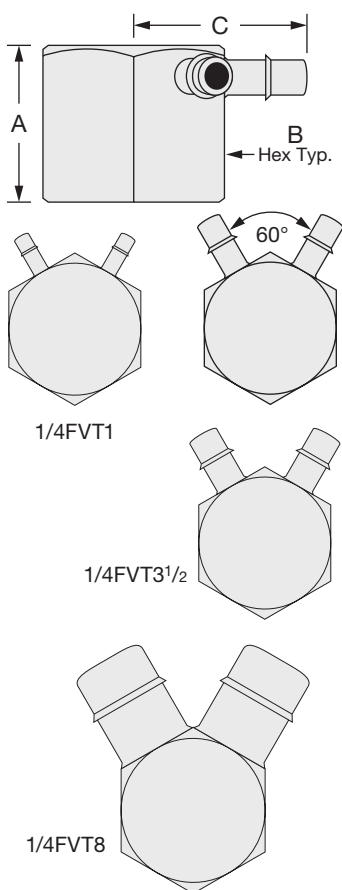
Thread Size	1/4	FRT	#	-	#	-	#	3 O'clock Branch #
Fitting Series			9 O'clock Branch #		12 O'clock Branch #			

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

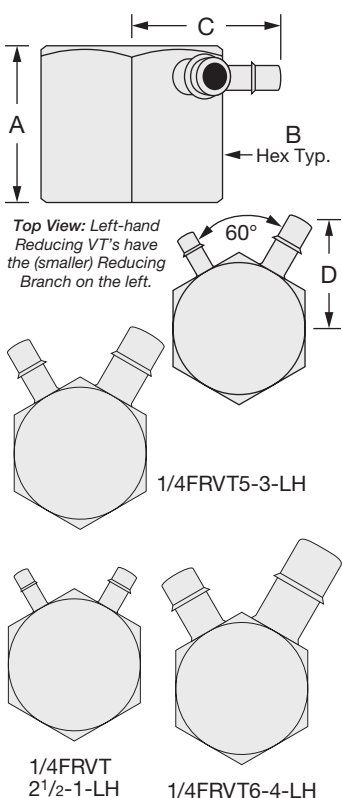
576



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

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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 chosen.

Part Numbers for 1/4 NPT Female Thread to Tube Reducing Left-Hand V-Tees:

Thread Size	1/4	FRVT	#	-	#	-	LH	Left-Hand Indicator
		Fitting Series		Larger Branch #		Smaller 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

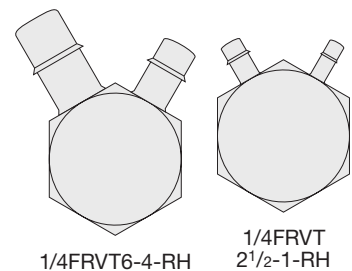
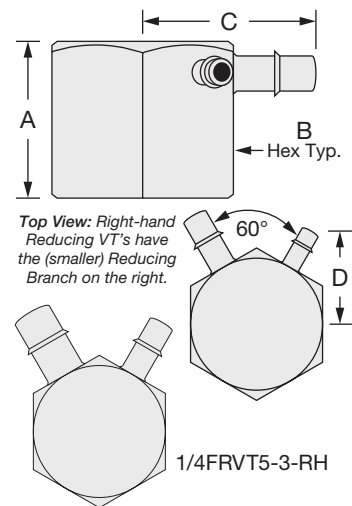
578

1/4 NPT Female Thread to Tube Reducing Right-Hand V-Tees

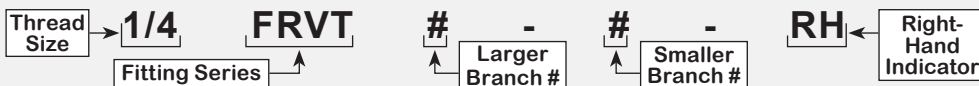
Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	19/32	1 1/16	1/2	1/2
.040 / 1mm	.040	19/32	1 1/16	1/2	1/2
3/64	.045	19/32	1 1/16	1/2	1/2
.050	.050	19/32	1 1/16	1/2	1/2
1/16	1	19/32	1 1/16	9/16	9/16
5/64 / 2mm	2	19/32	1 1/16	9/16	9/16
3/32	2 1/2	19/32	1 1/16	9/16	9/16
1/8	3	19/32	1 1/16	2 1/32	2 1/32
5/32 / 4mm	3 1/2	19/32	1 1/16	2 1/32	2 1/32

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
.170	4	19/32	1 1/16	1 1/16	1 1/16
3/16	5	19/32	1 1/16	2 3/32	2 3/32
7/32	5 1/2	19/32	1 1/16	2 3/32	2 3/32
6mm	5 3/4	19/32	1 1/16	2 7/32	2 7/32
1/4	6	19/32	1 1/16	2 7/32	2 7/32
5/16 / 8mm	7	15/16	1 1/16	3 1/32	3 1/32
3/8	8	15/16	1 1/16	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 chosen.



Part Numbers for 1/4 NPT Female Thread to Tube Reducing Right-Hand V-Tees:



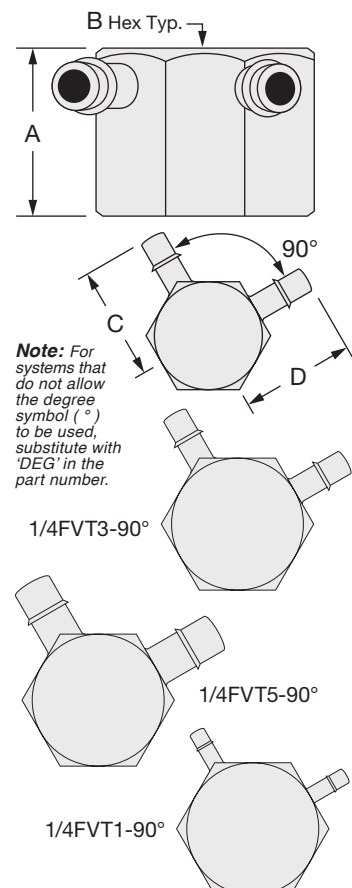
Unless otherwise specified, parts will be Brass. For other materials, add the following codes to the part number:

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

579

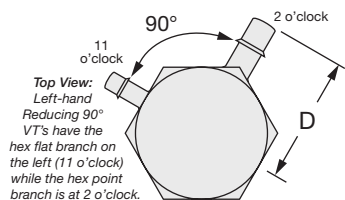
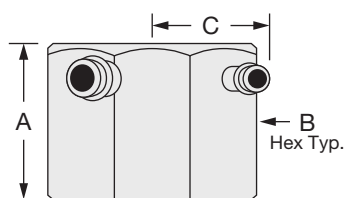
1/4 NPT Female Thread to Tube 90° V-Tees

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	1 1/16	1/2	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	1 1/16	1/2	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	1 1/16	1/2	1/2
.050	1/4FVT.050-90°	1/4FVT.050-90°-SS	1/4FVT.050-90°-316SS	1/4FVT.050-90°-NP	19/32	1 1/16	1/2	1/2
1/16	1/4FVT1-90°	1/4FVT1-90°-SS	1/4FVT1-90°-316SS	1/4FVT1-90°-NP	19/32	1 1/16	9/16	9/16
5/64 / 2mm	1/4FVT2-90°	1/4FVT2-90°-SS	1/4FVT2-90°-316SS	1/4FVT2-90°-NP	19/32	1 1/16	9/16	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	1 1/16	9/16	9/16
1/8	1/4FVT3-90°	1/4FVT3-90°-SS	1/4FVT3-90°-316SS	1/4FVT3-90°-NP	19/32	1 1/16	2 1/32	2 1/32
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	1 1/16	2 1/32	2 1/32
.170	1/4FVT4-90°	1/4FVT4-90°-SS	1/4FVT4-90°-316SS	1/4FVT4-90°-NP	19/32	1 1/16	1 1/16	1 1/16
3/16	1/4FVT5-90°	1/4FVT5-90°-SS	1/4FVT5-90°-316SS	1/4FVT5-90°-NP	19/32	1 1/16	2 3/32	2 3/32
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	1 1/16	2 3/32	2 3/32
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	1 1/16	2 7/32	2 7/32
1/4	1/4FVT6-90°	1/4FVT6-90°-SS	1/4FVT6-90°-316SS	1/4FVT6-90°-NP	19/32	1 1/16	2 7/32	2 7/32
5/16 / 8mm	1/4FVT7-90°	1/4FVT7-90°-SS	1/4FVT7-90°-316SS	1/4FVT7-90°-NP	15/16	1 1/16	3 1/32	3 1/32
3/8	1/4FVT8-90°	1/4FVT8-90°-SS	1/4FVT8-90°-316SS	1/4FVT8-90°-NP	15/16	1 1/16	7/8	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	1 1/8



1/4 NPT Male Thread to Tube Reducing Left-Hand 90° V-Tees

580



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

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	19/32	1 1/16	1/2	Consult Factory Consult Factory
.040 / 1mm	.040	19/32	1 1/16	1/2	
3/64	.045	19/32	1 1/16	1/2	
.050	.050	19/32	1 1/16	1/2	
1/16	1	19/32	1 1/16	9/16	
5/64 / 2mm	2	19/32	1 1/16	9/16	
3/32	2 1/2	19/32	1 1/16	9/16	
1/8	3	19/32	1 1/16	2 1/32	
5/32 / 4mm	3 1/2	19/32	1 1/16	2 1/32	

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
.170	4	19/32	1 1/16	1 1/16	Consult Factory Consult Factory
3/16	5	19/32	1 1/16	23/32	
7/32	5 1/2	19/32	1 1/16	23/32	
6mm	5 3/4	19/32	1 1/16	27/32	
1/4	6	19/32	1 1/16	27/32	
5/16 / 8mm	7	15/16	1 1/16	31/32	
3/8	8	15/16	1 1/16	7/8	
1/2	10	15/16	3/4	1 1/8	

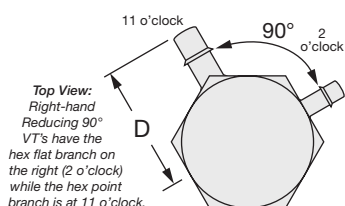
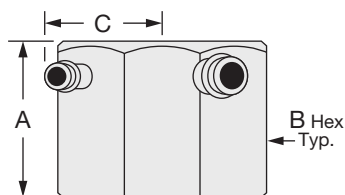
Note: Dimensions may vary at time of manufacturing and according to branch options chosen.

Part Numbers for 1/4 NPT Female Thread to Tube Reducing Left-Hand 90° V-Tees:



1/4 NPT Male Thread to Tube Reducing Right-Hand 90° V-Tees

581



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

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	19/32	1 1/16	1/2	Consult Factory Consult Factory
.040 / 1mm	.040	19/32	1 1/16	1/2	
3/64	.045	19/32	1 1/16	1/2	
.050	.050	19/32	1 1/16	1/2	
1/16	1	19/32	1 1/16	9/16	
5/64 / 2mm	2	19/32	1 1/16	9/16	
3/32	2 1/2	19/32	1 1/16	9/16	
1/8	3	19/32	1 1/16	2 1/32	
5/32 / 4mm	3 1/2	19/32	1 1/16	2 1/32	

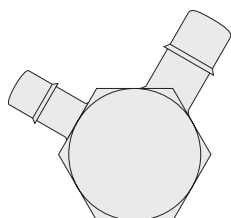
Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
.170	4	19/32	1 1/16	1 1/16	Consult Factory Consult Factory
3/16	5	19/32	1 1/16	23/32	
7/32	5 1/2	19/32	1 1/16	23/32	
6mm	5 3/4	19/32	1 1/16	27/32	
1/4	6	19/32	1 1/16	27/32	
5/16 / 8mm	7	15/16	1 1/16	31/32	
3/8	8	15/16	1 1/16	7/8	
1/2	10	15/16	3/4	1 1/8	

Note: Dimensions may vary at time of manufacturing and according to branch options chosen.

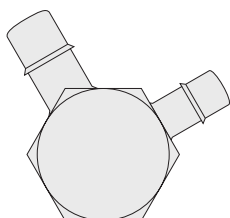
Part Numbers for 1/4 NPT Female Thread to Tube Reducing Right-Hand 90° V-Tees:



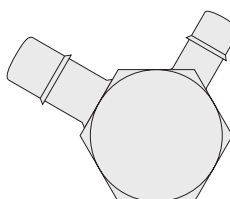
Unless otherwise specified, parts will be Brass. To order other materials, please add the following codes to the part number:
-SS = Stainless Steel 303 **-316SS = Stainless Steel 316** **-NP = Electroless Nickel Plate**



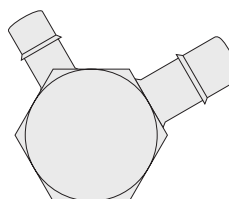
1/4FRVT6-5-90°-LH



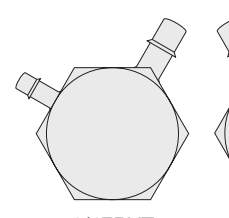
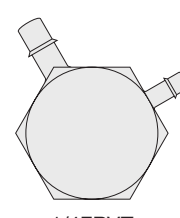
1/4FRVT6-5-90°-RH



1/4FRVT5-6-90°-LH



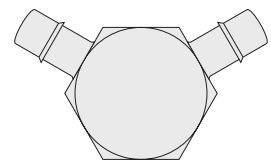
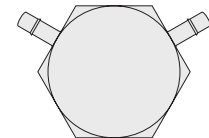
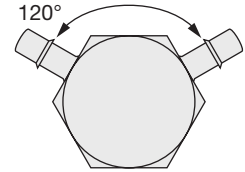
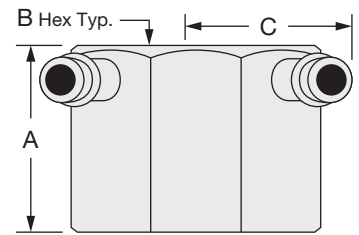
1/4FRVT5-6-90°-RH


1/4FRVT
3-2-90°-LH

1/4FRVT
3-2-90°-RH

582

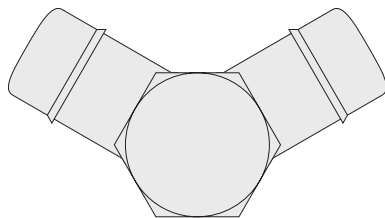
1/4 NPT Female Thread to Tube 120° V-Tees

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	1 1/16	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	1 1/16	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	1 1/16	1/2
.050	1/4FVT.050-120°	1/4FVT.050-120°-SS	1/4FVT.050-120°-316SS	1/4FVT.050-120°-NP	19/32	1 1/16	1/2
1/16	1/4FVT1-120°	1/4FVT1-120°-SS	1/4FVT1-120°-316SS	1/4FVT1-120°-NP	19/32	1 1/16	9/16
5/64 / 2mm	1/4FVT2-120°	1/4FVT2-120°-SS	1/4FVT2-120°-316SS	1/4FVT2-120°-NP	19/32	1 1/16	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	1 1/16	9/16
1/8	1/4FVT3-120°	1/4FVT3-120°-SS	1/4FVT3-120°-316SS	1/4FVT3-120°-NP	19/32	1 1/16	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	1 1/16	21/32
.170	1/4FVT4-120°	1/4FVT4-120°-SS	1/4FVT4-120°-316SS	1/4FVT4-120°-NP	19/32	1 1/16	1 1/16
3/16	1/4FVT5-120°	1/4FVT5-120°-SS	1/4FVT5-120°-316SS	1/4FVT5-120°-NP	19/32	1 1/16	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	1 1/16	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	1 1/16	27/32
1/4	1/4FVT6-120°	1/4FVT6-120°-SS	1/4FVT6-120°-316SS	1/4FVT6-120°-NP	19/32	1 1/16	27/32
5/16 / 8mm	1/4FVT7-120°	1/4FVT7-120°-SS	1/4FVT7-120°-316SS	1/4FVT7-120°-NP	15/16	1 1/16	31/32
3/8	1/4FVT8-120°	1/4FVT8-120°-SS	1/4FVT8-120°-316SS	1/4FVT8-120°-NP	15/16	1 1/16	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

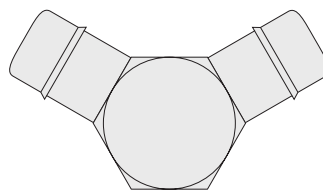


1/4FVT5-120°

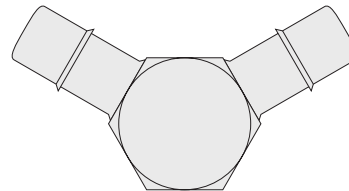
Note: for systems that do not allow the degree symbol (°) to be used, substitute with 'DEG' in the part number.



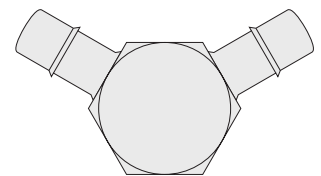
1/4FVT10-120°



1/4FVT8-120°

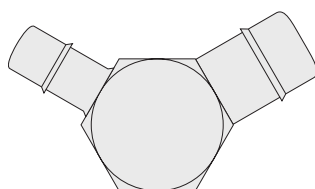


1/4FVT7-120°

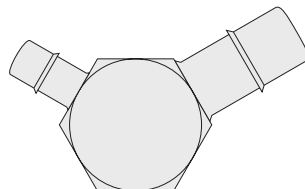


1/4FVT6-120°

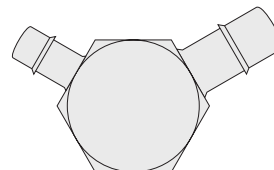
1/4 NPT Female Thread to Tube 120° Reducing V-Tees available! Lead times apply Consult factory for details!



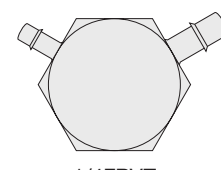
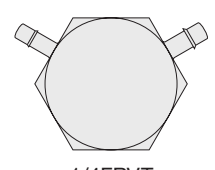
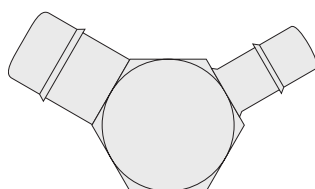
1/4FRVT8-6-120°-LH



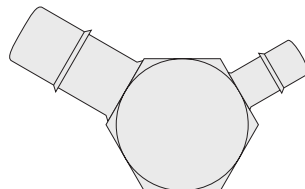
1/4FRVT7-5-120°-LH



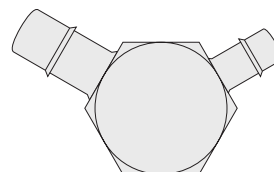
1/4FRVT6-4-120°-LH


1/4FRVT
3-2-120°-LH

1/4FRVT
2-1-120°-LH


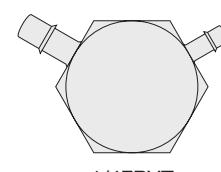
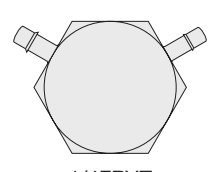
1/4FRVT8-6-120°-RH



1/4FRVT7-5-120°-RH

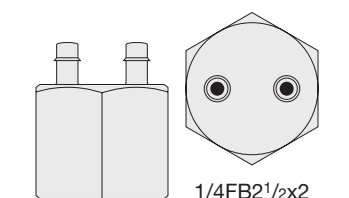
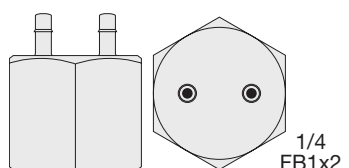
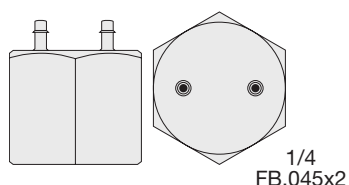
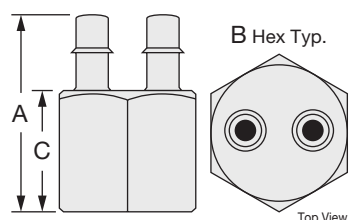


1/4FRVT6-4-120°-RH

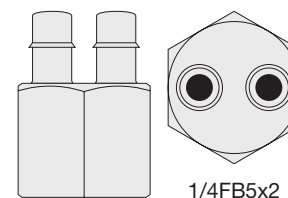
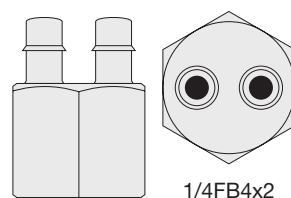
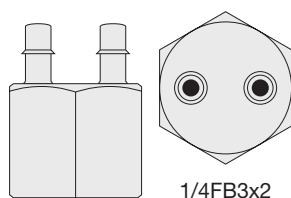

1/4FRVT
3-2-120°-RH

1/4FRVT
2-1-120°-RH

1/4 NPT Female Straight Manifolds with 2 Branches

583

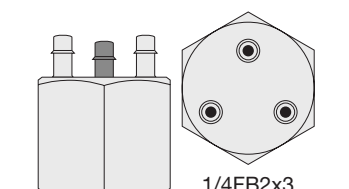
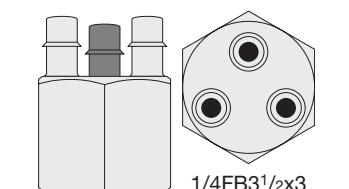
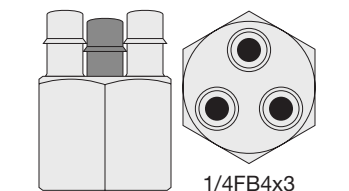
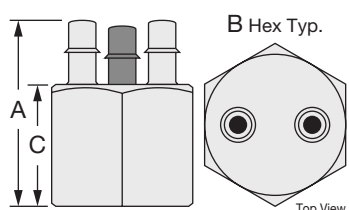


Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/4FB.031x2	1/4FB.031x2-SS	1/4FB.031x2-316SS	1/4FB.031x2-NP	19/32	1 1/16	3/4
.040 / 1 mm	1/4FB.040x2	1/4FB.040x2-SS	1/4FB.040x2-316SS	1/4FB.040x2-NP	19/32	1 1/16	3/4
3/64	1/4FB.045x2	1/4FB.045x2-SS	1/4FB.045x2-316SS	1/4FB.045x2-NP	19/32	1 1/16	3/4
.050	1/4FB.050x2	1/4FB.050x2-SS	1/4FB.050x2-316SS	1/4FB.050x2-NP	19/32	1 1/16	3/4
1/16	1/4FB1x2	1/4FB1x2-SS	1/4FB1x2-316SS	1/4FB1x2-NP	19/32	1 1/16	13/16
5/64 / 2 mm	1/4FB2x2	1/4FB2x2-SS	1/4FB2x2-316SS	1/4FB2x2-NP	19/32	1 1/16	13/16
3/32	1/4FB2 1/2 x2	1/4FB2 1/2 x2-SS	1/4FB2 1/2 x2-316SS	1/4FB2 1/2 x2-NP	19/32	1 1/16	13/16
1/8	1/4FB3x2	1/4FB3x2-SS	1/4FB3x2-316SS	1/4FB3x2-NP	19/32	1 1/16	29/32
5/32 / 4 mm	1/4FB3 1/2 x2	1/4FB3 1/2 x2-SS	1/4FB3 1/2 x2-316SS	1/4FB3 1/2 x2-NP	19/32	1 1/16	29/32
.170	1/4FB4x2	1/4FB4x2-SS	1/4FB4x2-316SS	1/4FB4x2-NP	19/32	1 1/16	15/16
3/8	1/4FB5x2	1/4FB5x2-SS	1/4FB5x2-316SS	1/4FB5x2-NP	19/32	1 1/16	31/32

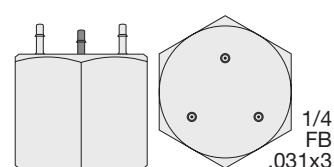
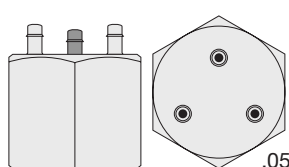
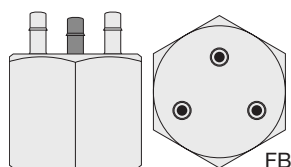


1/4 NPT Female Straight Manifolds with 3 Branches

584



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	1 1/16	3/4
.040 / 1 mm	1/4FB.040x3	1/4FB.040x3-SS	1/4FB.040x3-316SS	1/4FB.040x3-NP	19/32	1 1/16	3/4
3/64	1/4FB.045x3	1/4FB.045x3-SS	1/4FB.045x3-316SS	1/4FB.045x3-NP	19/32	1 1/16	3/4
.050	1/4FB.050x3	1/4FB.050x3-SS	1/4FB.050x3-316SS	1/4FB.050x3-NP	19/32	1 1/16	3/4
1/16	1/4FB1x3	1/4FB1x3-SS	1/4FB1x3-316SS	1/4FB1x3-NP	19/32	1 1/16	13/16
5/64 / 2 mm	1/4FB2x3	1/4FB2x3-SS	1/4FB2x3-316SS	1/4FB2x3-NP	19/32	1 1/16	13/16
3/32	1/4FB2 1/2 x3	1/4FB2 1/2 x3-SS	1/4FB2 1/2 x3-316SS	1/4FB2 1/2 x3-NP	19/32	1 1/16	13/16
1/8	1/4FB3x3	1/4FB3x3-SS	1/4FB3x3-316SS	1/4FB3x3-NP	19/32	1 1/16	29/32
5/32 / 4 mm	1/4FB3 1/2 x3	1/4FB3 1/2 x3-SS	1/4FB3 1/2 x3-316SS	1/4FB3 1/2 x3-NP	19/32	1 1/16	29/32
.170	1/4FB4x3	1/4FB4x3-SS	1/4FB4x3-316SS	1/4FB4x3-NP	19/32	1 1/16	15/16

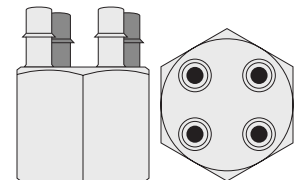
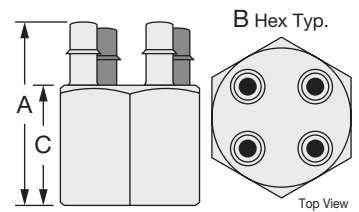


Customize Manifolds with alternate Branch locations! Use the template on page 324!

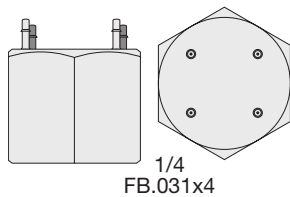
585

1/4 NPT Female Straight Manifolds with 4 Branches

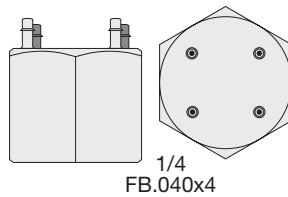
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/4FB.031x4	1/4FB.031x4-SS	1/4FB.031x4-316SS	1/4FB.031x4-NP	19/32	11/16	3/4
.040 / 1mm	1/4FB.040x4	1/4FB.040x4-SS	1/4FB.040x4-316SS	1/4FB.040x4-NP	19/32	11/16	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	1/4FB21/2x4	1/4FB21/2x4-SS	1/4FB21/2x4-316SS	1/4FB21/2x4-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



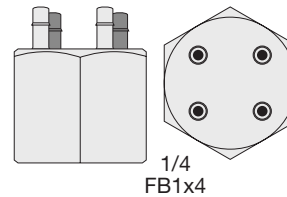
1/4FB3x4



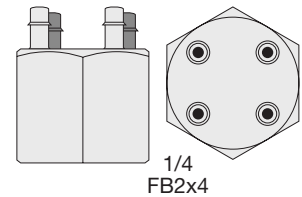
1/4
FB.031x4



1/4
FB.040x4



1/4
FB1x4

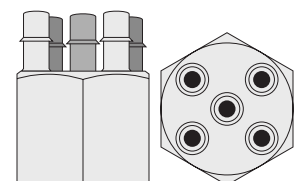
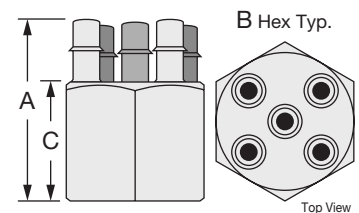


1/4
FB2x4

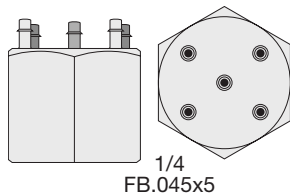
586

1/4 NPT Female Straight Manifolds with 5 Branches

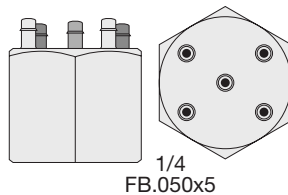
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/4FB.031x5	1/4FB.031x5-SS	1/4FB.031x5-316SS	1/4FB.031x5-NP	19/32	11/16	3/4
.040 / 1mm	1/4FB.040x5	1/4FB.040x5-SS	1/4FB.040x5-316SS	1/4FB.040x5-NP	19/32	11/16	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	1/4FB21/2x5	1/4FB21/2x5-SS	1/4FB21/2x5-316SS	1/4FB21/2x5-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



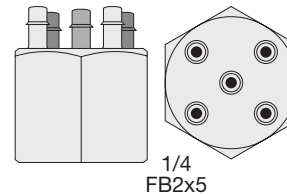
1/4FB3x5



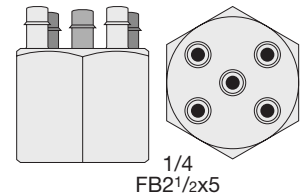
1/4
FB.045x5



1/4
FB.050x5

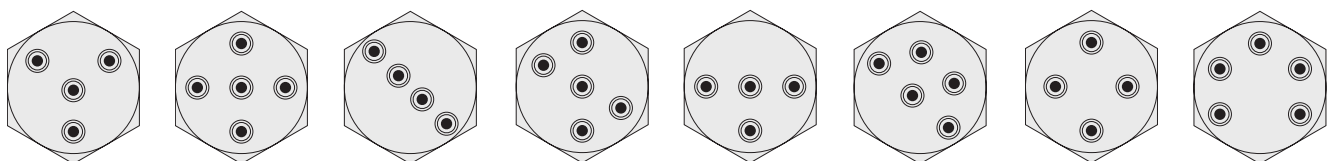


1/4
FB2x5



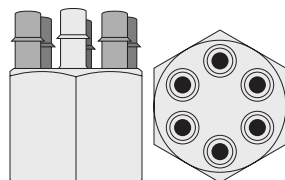
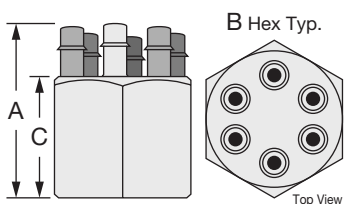
1/4
FB21/2x5

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

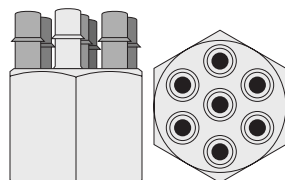
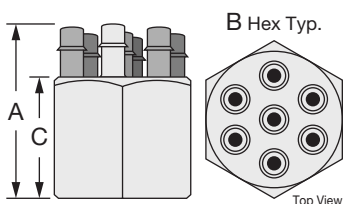


1/4FB3x6

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	1/4FB21/2x6	1/4FB21/2x6-SS	1/4FB21/2x6-316SS	1/4FB21/2x6-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

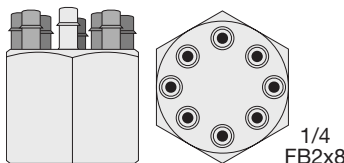
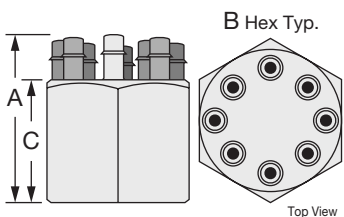


1/4FB3x7

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	1/4FB21/2x7	1/4FB21/2x7-SS	1/4FB21/2x7-316SS	1/4FB21/2x7-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

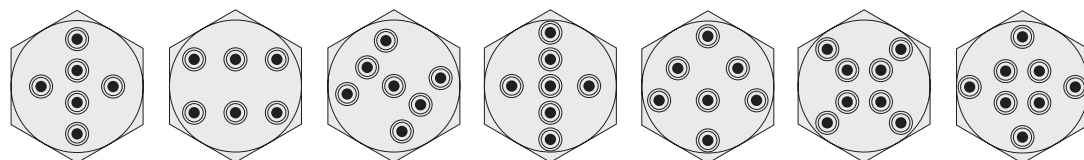
1/4 NPT Female Straight Manifolds with 8 Branches

589


1/4
FB2x8

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	1/4FB21/2x8	1/4FB21/2x8-SS	1/4FB21/2x8-316SS	1/4FB21/2x8-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

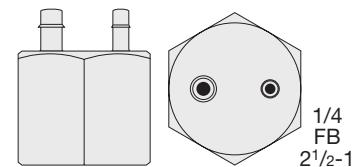
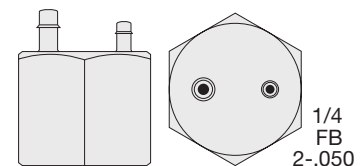
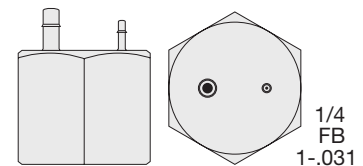
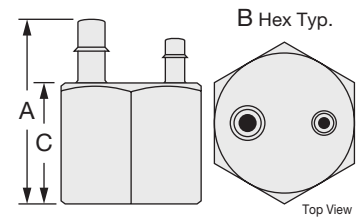
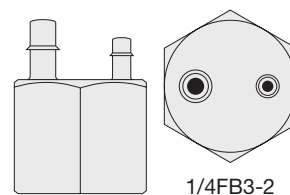
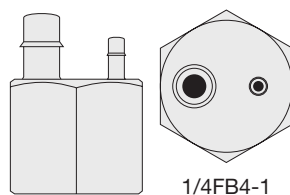
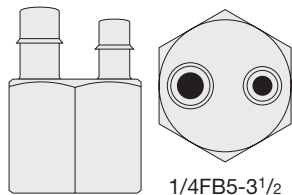
1/4 NPT Female Straight Reducing Manifolds with 2 Branches

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!

Part Numbers for 1/4 NPT Female Thread Reducing Manifolds with 2 Branches:



591

1/4 NPT Female Straight Reducing Manifolds with 3 Branches

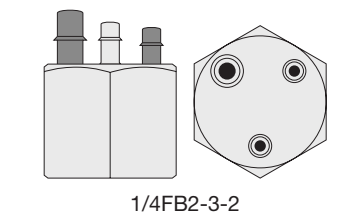
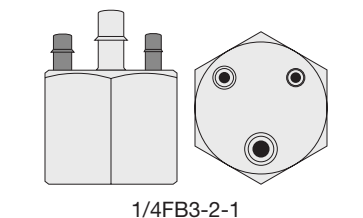
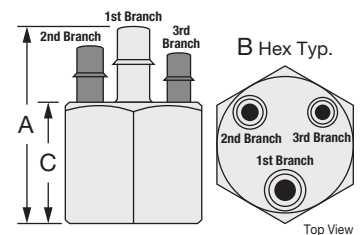
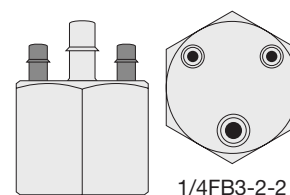
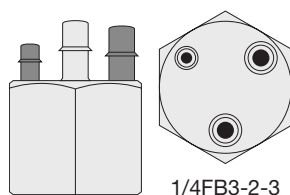
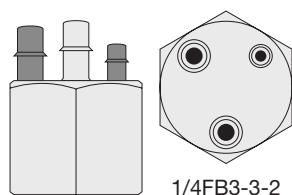
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/32	.031	1/2	9/16	11/16
.040 / 1mm	.040	1/2	9/16	11/16
3/64	.045	1/2	9/16	11/16
.050	.050	1/2	9/16	11/16

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:



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

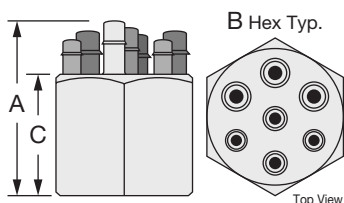


Note: Images are for visual representation only; not intended for dimensional measurements.

Customize 1/4 NPT Female Thread Straight Reducing Manifolds with alternate Branch locations!! Use the Template on page 324 to indicate Branch sizes and placement!

1/4 NPT Female Straight Reducing Manifolds with 4, 5, 6, or 7 Branches

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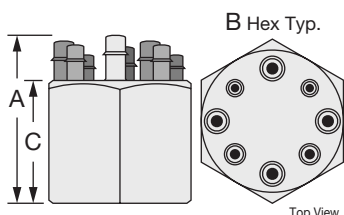
Use the template on below to indicate branch sizes & placement!

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

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Use the template on below to indicate branch sizes & placement!

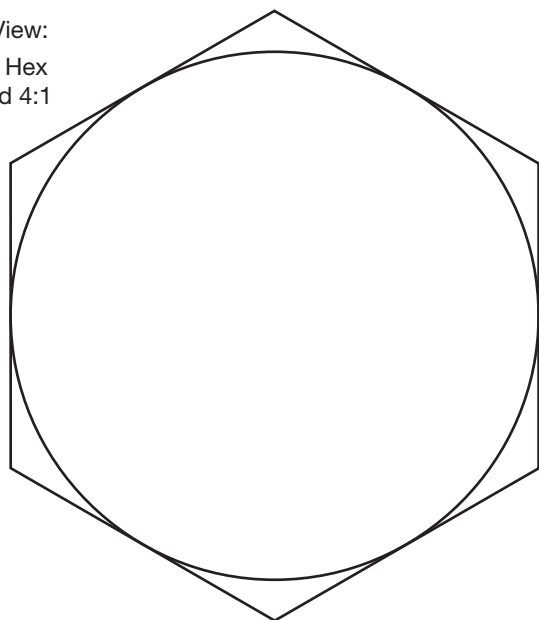
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/32	.031	1/2	9/16	11/16
.040 / 1mm	.040	1/2	9/16	11/16
3/64	.045	1/2	9/16	11/16
.050	.050	1/2	9/16	11/16

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.

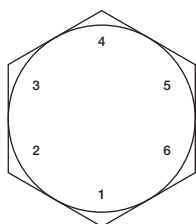
Consult factory for details!

Branch Numbers:

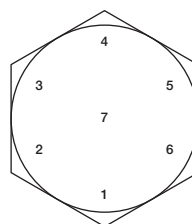
1st Branch (1) = _____ 5th Branch (5) = _____
 2nd Branch (2) = _____ 6th Branch (6) = _____
 3rd Branch (3) = _____ 7th Branch (7) = _____
 4th Branch (4) = _____ 8th Branch (8) = _____

*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)

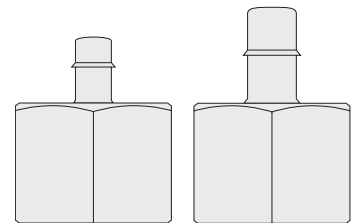
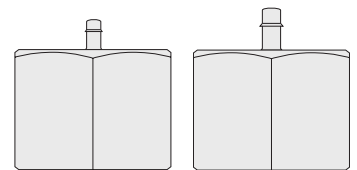
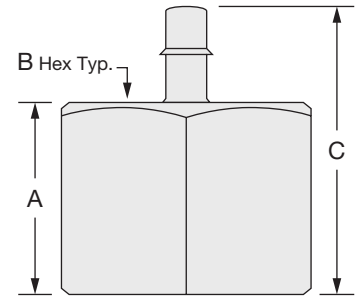


Branch Numbers:
 1st Branch (1) = 2 5th Branch (5) = 1
 2nd Branch (2) = 2 6th Branch (6) = .050
 3rd Branch (3) = 1 7th Branch (7) = 2 1/2
 4th Branch (4) = .050 8th Branch (8) = n/a
 Two #2 Branches (1st, 2nd) Two #1 Branches (3rd, 5th)
 Two #.050 Branches (4th, 6th) One #2 1/2 Branches (7th)

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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



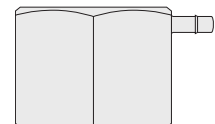
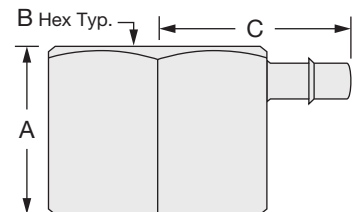
3/8FB4

3/8FB6

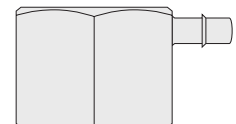
595

3/8 NPT Female Thread to Tube Elbows

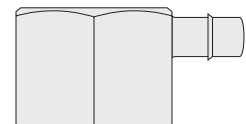
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	3/8FLB.031	3/8FLB.031-SS	3/8FLB.031-316SS	3/8FLB.031-NP	5/8	13/16	9/16
.040 / 1mm	3/8FLB.040	3/8FLB.040-SS	3/8FLB.040-316SS	3/8FLB.040-NP	5/8	13/16	9/16
3/64	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



3/8FLB1



3/8FLB3



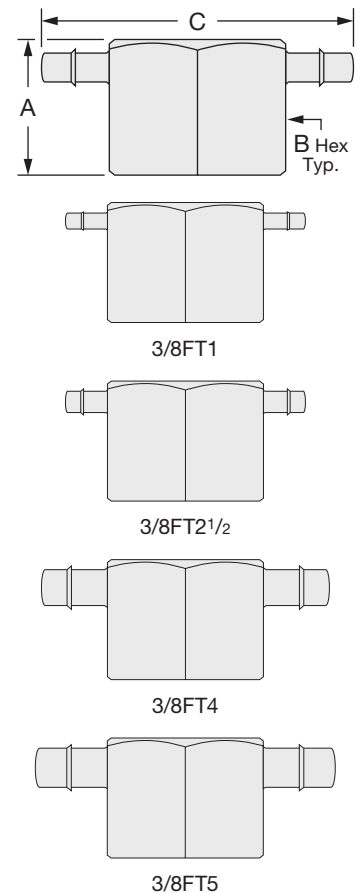
3/8FLB5

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

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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



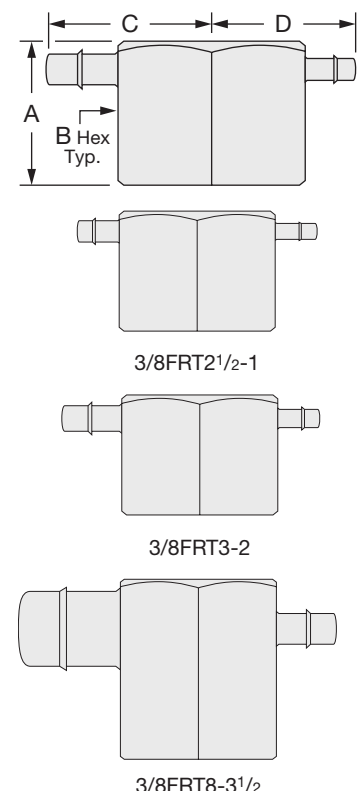
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3/8 NPT Female Thread to Tube Reducing Tees

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	1 5/16	1 5/16
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 chosen.



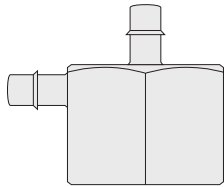
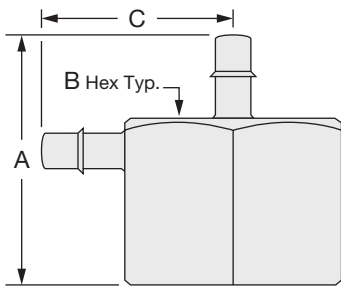
Part Numbers for 3/8 NPT Female Thread to Tube Reducing L-Tees:



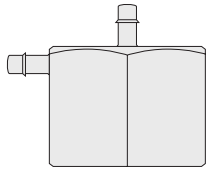
Unless otherwise specified, parts will be Brass. For other materials, add the following codes to the part number:
 -SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

3/8 NPT Female Thread to Tube L-Tees

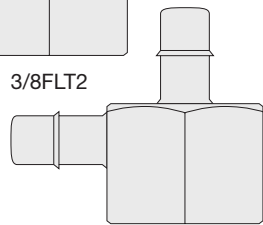
599



3/8FLT3¹/₂



3/8FLT2

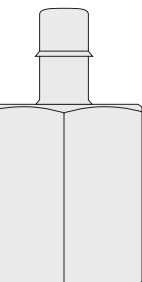
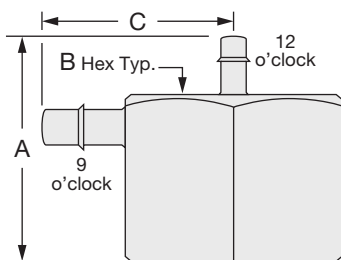


3/8FLT6

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

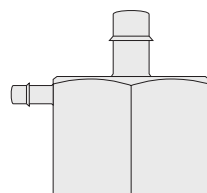
3/8 NPT Female Thread to Tube Reducing L-Tees

600

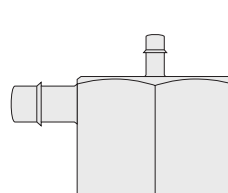


3/8FRLT8-6

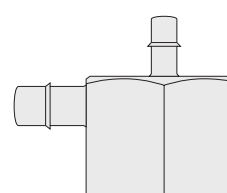
Branches		Dimensions (Reference)			Branches		Dimensions (Reference)			Branches		Dimensions (Reference)		
Tube ID	Branch #	A Ref.	B Typ.	C Ref.	Tube ID	Branch #	A Ref.	B Typ.	C Ref.	Tube ID	Branch #	A Ref.	B Typ.	C Ref.
1/32	.031	25/32	13/16	9/16	3/32	2 ¹ / ₂	27/32	13/16	5/8	6mm	5 ³ / ₄	1 1/8	13/16	29/32
.040 / 1mm	.040	25/32	13/16	9/16	1/8	3	15/16	13/16	23/32	1/4	6	1 1/8	13/16	29/32
3/64	.045	25/32	13/16	9/16	5/32 / 4mm	3 ¹ / ₂	15/16	13/16	23/32	5/16 / 8mm	7	1 9/16	13/16	1 1/32
.050	.050	25/32	13/16	9/16	.170	4	31/32	13/16	3/4	3/8	8	1 15/32	13/16	15/16
1/16	1	27/32	13/16	5/8	3/16	5	1	13/16	25/32	1/2	10	1 11/16	13/16	1 5/32
5/64 / 2mm	2	27/32	13/16	5/8	7/32	5 ¹ / ₂	1	13/16	25/32	Dimensions may vary during manufacturing and according to branch options chosen.				



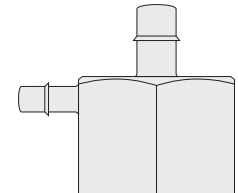
3/8FRLT2-4



3/8FRLT4-2



3/8FRLT5-3



3/8FRLT3-5

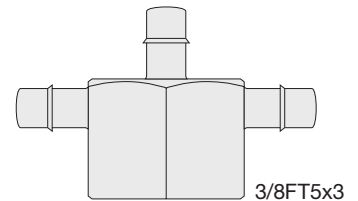
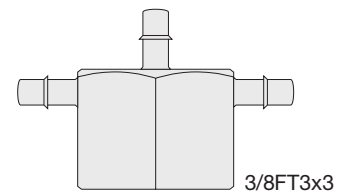
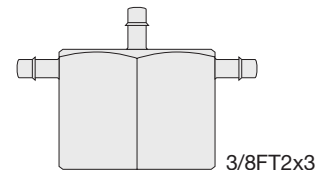
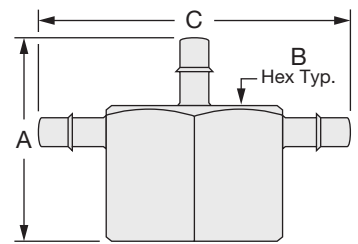
Unless otherwise specified, parts will be Brass. For other materials, add the following codes to the part number:
 -SS = Stainless Steel 303
 -316SS = Stainless Steel 316
 -NP = Electroless Nickel Plate

Part Numbers for 3/8 NPT Female Thread to Tube Reducing L-Tees:

Thread Size	3/8	FRLT	#	-	#	12 O'clock Branch #
		Fitting Series			9 O'clock Branch #	

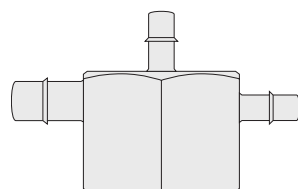
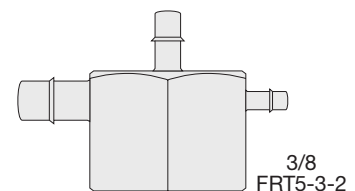
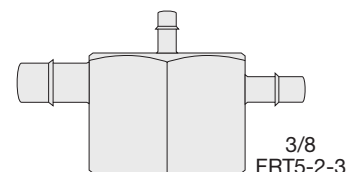
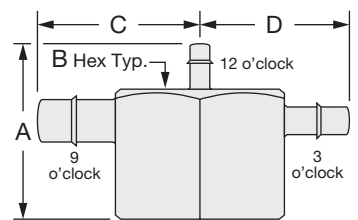
601 3/8 NPT Female Thread to Tube Tees x 3

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

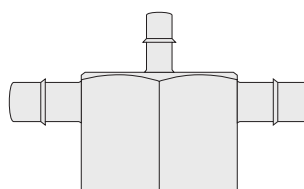


602 3/8 NPT Female Thread to Tube Custom Reducing Tees x 3

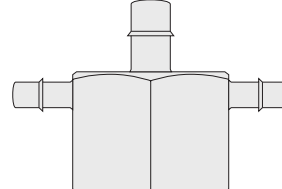
Branches		Dimensions (Reference)				Branches		Dimensions (Reference)				Branches		Dimensions (Reference)			
Tube ID	Branch #	A Ref.	B Typ.	C Ref.	D Ref.	Tube ID	Branch #	A Ref.	B Typ.	C Ref.	D Ref.	Tube ID	Branch #	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	25/32	13/16	9/16	9/16	3/32	2 1/2	27/32	13/16	5/8	5/8	6mm	5 3/4	1 1/8	13/16	29/32	29/32
.040 / 1mm	.040	25/32	13/16	9/16	9/16	1/8	3	15/16	13/16	23/32	23/32	1/4	6	1 1/8	13/16	29/32	29/32
3/64	.045	25/32	13/16	9/16	9/16	5/32 / 4mm	3 1/2	15/16	13/16	23/32	23/32	5/16 / 8mm	7	1 9/16	13/16	1 1/32	1 1/32
.050	.050	25/32	13/16	9/16	9/16	.170	4	31/32	13/16	3/4	3/4	3/8	8	1 15/32	13/16	15/16	15/16
1/16	1	27/32	13/16	5/8	5/8	3/16	5	1	13/16	25/32	25/32	1/2	10	1 11/16	13/16	1 5/32	1 5/32
5/64 / 2mm	2	27/32	13/16	5/8	5/8	7/32	5 1/2	1	13/16	25/32	25/32	Dimensions may vary during manufacturing and according to branch options chosen.					



3/8FRT5-3-3



3/8FRT5-3-5



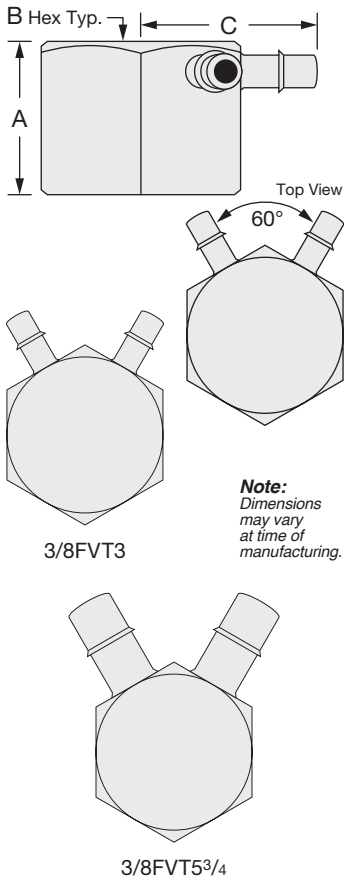
3/8FRT3-5-3

Part Numbers for 3/8 NPT Female Thread to Tube Reducing Tees x 3:									
Thread Size	3/8	FRT	#	-	#	-	#	3 O'clock Branch #	
Fitting Series			9 O'clock Branch #		12 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

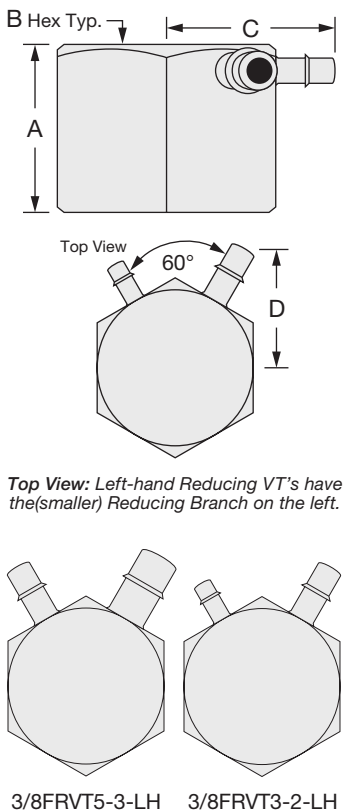
603



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



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 chosen.

Part Numbers for 3/8 NPT Female Thread to Tube Reducing Left-Hand V-Tees:

Thread Size	3/8	FRVT	#	-	#	-	LH	Left-Hand Indicator
		Fitting Series		Larger Branch #		Smaller 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

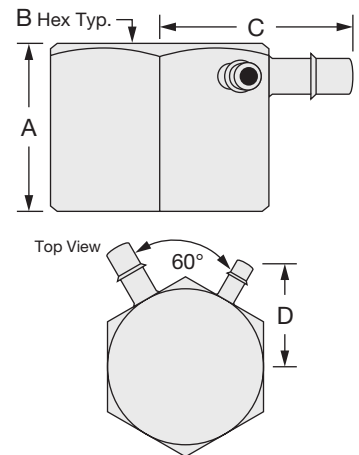
605

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

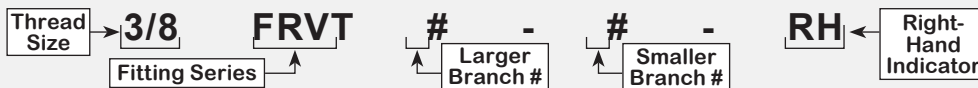
Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
.170	4	5/8	13/16	3/4	3/4
3/16	5	5/8	13/16	25/32	25/32
7/32	5 1/2	5/8	13/16	25/32	25/32
6mm	5 3/4	5/8	13/16	29/32	29/32
1/4	6	5/8	13/16	29/32	29/32
5/16 / 8mm	7	15/16	13/16	1 1/32	1 1/32
3/8	8	15/16	13/16	1 5/16	1 5/16
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 chosen.

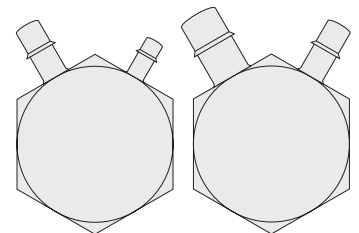


Top View: Right-hand Reducing VT's have the (smaller) Reducing Branch on the right.

Part Numbers for 3/8 NPT Female Thread to Tube Reducing Right-Hand V-Tees:



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

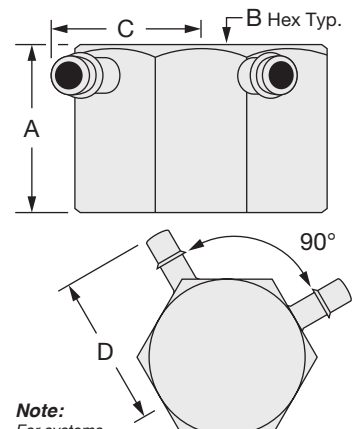


3/8FRVT3-2-RH 3/8FRVT5-3-RH

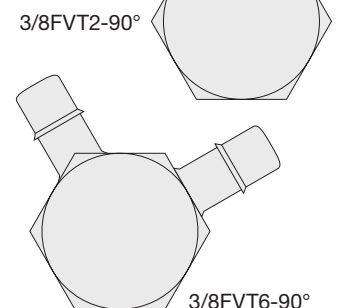
606

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	9/16	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	9/16	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	9/16	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	9/16	9/16
1/16	3/8FVT1-90°	3/8FVT1-90°-SS	3/8FVT1-90°-316SS	3/8FVT1-90°-NP	5/8	13/16	5/8	5/8
5/64 / 2mm	3/8FVT2-90°	3/8FVT2-90°-SS	3/8FVT2-90°-316SS	3/8FVT2-90°-NP	5/8	13/16	5/8	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	5/8	5/8
1/8	3/8FVT3-90°	3/8FVT3-90°-SS	3/8FVT3-90°-316SS	3/8FVT3-90°-NP	5/8	13/16	23/32	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	23/32	23/32
.170	3/8FVT4-90°	3/8FVT4-90°-SS	3/8FVT4-90°-316SS	3/8FVT4-90°-NP	5/8	13/16	3/4	3/4
3/16	3/8FVT5-90°	3/8FVT5-90°-SS	3/8FVT5-90°-316SS	3/8FVT5-90°-NP	5/8	13/16	25/32	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	25/32	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	29/32	29/32
1/4	3/8FVT6-90°	3/8FVT6-90°-SS	3/8FVT6-90°-316SS	3/8FVT6-90°-NP	5/8	13/16	29/32	29/32
5/16 / 8mm	3/8FVT7-90°	3/8FVT7-90°-SS	3/8FVT7-90°-316SS	3/8FVT7-90°-NP	15/16	13/16	1 1/32	1 1/32
3/8	3/8FVT8-90°	3/8FVT8-90°-SS	3/8FVT8-90°-316SS	3/8FVT8-90°-NP	15/16	13/16	1 5/16	1 5/16
1/2	3/8FVT10-90°	3/8FVT10-90°-SS	3/8FVT10-90°-316SS	3/8FVT10-90°-NP	15/16	13/16	1 5/32	1 5/32

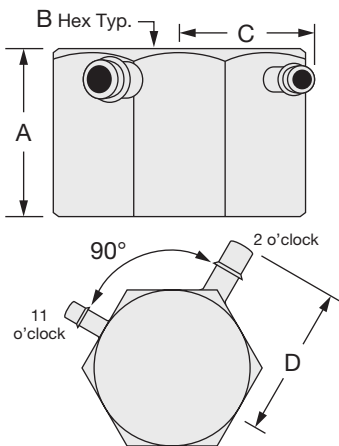


Note:
For systems that do not allow the degree symbol (°) to be used, substitute with 'DEG' in the part number.



3/8 NPT Male Thread to Tube Reducing Left-Hand 90° V-Tees

607



Top View: Left-hand Reducing 90° VT's have the hex flat branch on the left (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 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.

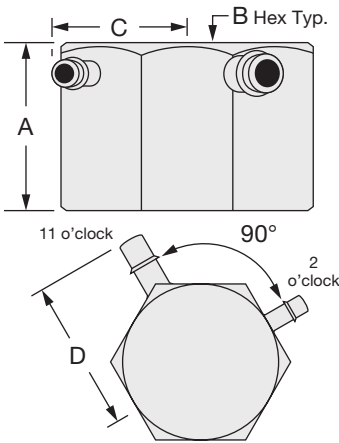
Part Numbers for 3/8 NPT Female Thread to Tube Reducing Left-Hand 90° V-Tees:

Thread Size → **3/8** Fitting Series → **FRVT** # - # - **90°** - **LH** Left-Hand Indicator

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° VT's have the hex flat branch on the right (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	9/16	Consult Factory 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	

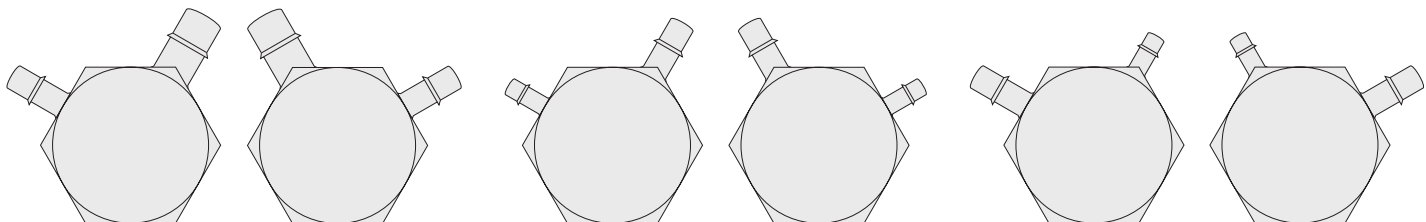
Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
.170	4	5/8	13/16	3/4	Consult Factory
3/16	5	5/8	13/16	25/32	
7/32	5 1/2	5/8	13/16	25/32	
6mm	5 3/4	5/8	13/16	29/32	
1/4	6	5/8	13/16	29/32	
5/16 / 8mm	7	15/16	13/16	1 1/32	
3/8	8	15/16	13/16	15/16	
1/2	10	15/16	13/16	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 Right-Hand 90° V-Tees:

Thread Size → **3/8** Fitting Series → **FRVT** # - # - **90°** - **RH** Right-Hand Indicator

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

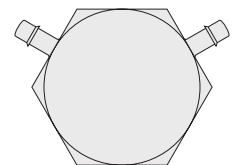
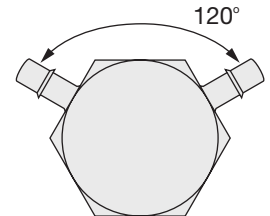
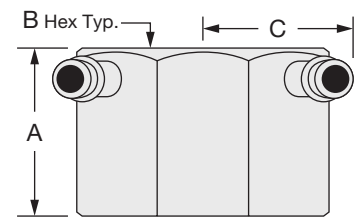
3/8FRVT2-3-90°-RH

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**

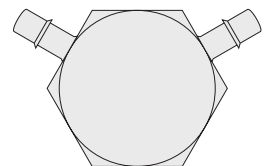
609

3/8 NPT Female Thread to Tube 120° V-Tees

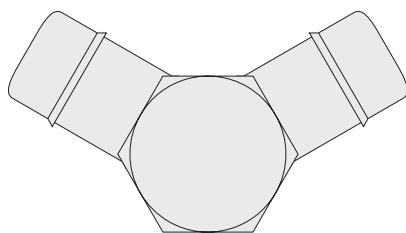
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	3/8FVT.031-120°	3/8FVT.031-120°-SS	3/8FVT.031-120°-316SS	3/8FVT.031-120°-NP	5/8	13/16	9/16
.040 / 1mm	3/8FVT.040-120°	3/8FVT.040-120°-SS	3/8FVT.040-120°-316SS	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



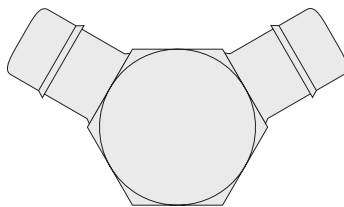
3/8FVT2-120°



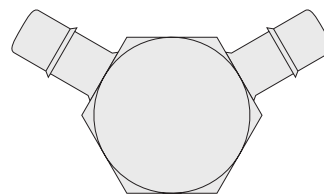
3/8FVT3-120°



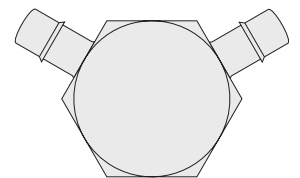
3/8FVT10-120°



3/8FVT8-120°



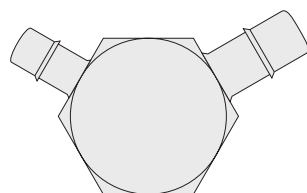
3/8FVT6-120°



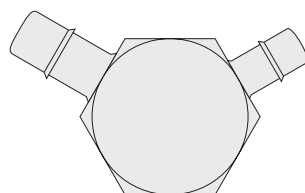
3/8FVT5-120°

X

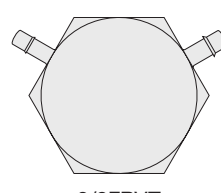
3/8 NPT Female Thread 120° Reducing V-Tees available! Lead times & minimum quantities may apply! Consult factory for details!



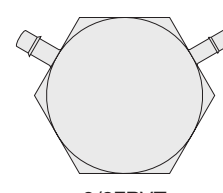
3/8FRVT6-5-120°-LH



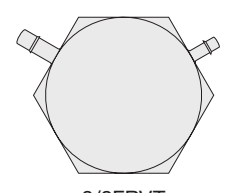
3/8FRVT6-5-120°-RH



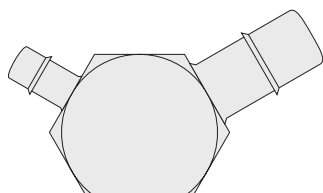
3/8FRVT
2-1-120°-LH



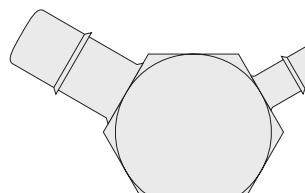
3/8FRVT
2-1-120°-RH



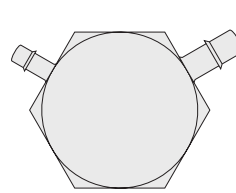
3/8FRVT
1-.045-120°-RH



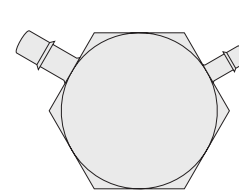
3/8FRVT7-4-120°-LH



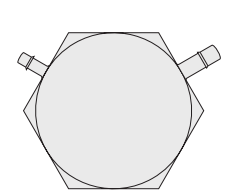
3/8FRVT7-4-120°-RH



3/8FRVT
3-2-120°-LH



3/8FRVT
3-2-120°-RH

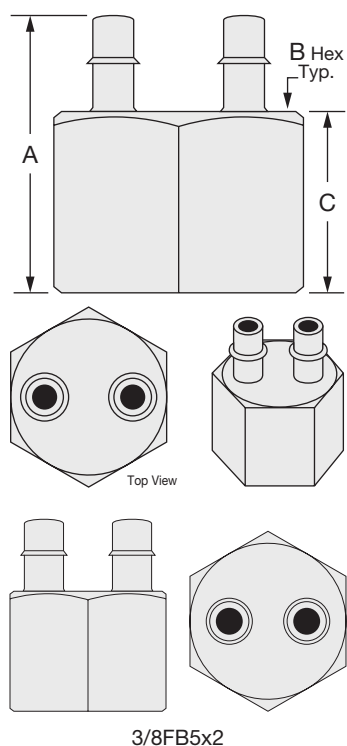


3/8FRVT
1-.045-120°-LH

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

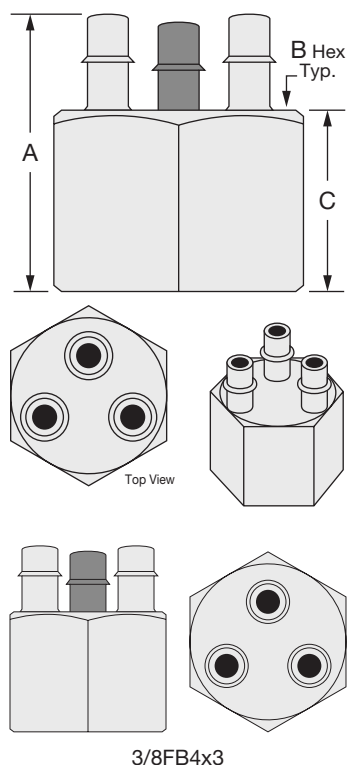
610



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



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

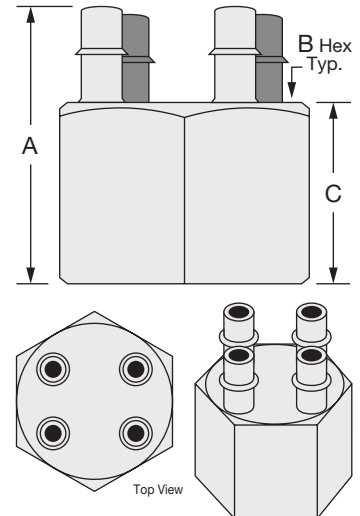
Note: Images are for visual representation only; not intended for dimensional measurements. Dimensions may vary at time of manufacturing.

Customize your manifolds with alternate branch locations! Use the template on page 339!

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

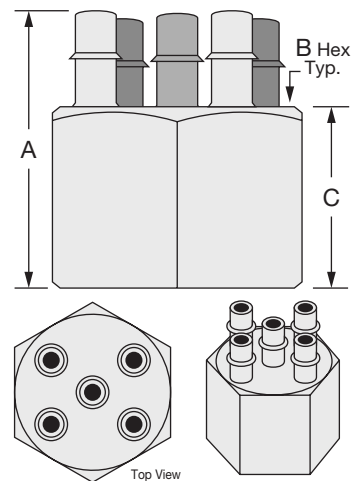


Customize your manifolds with alternate branch locations! Use the template on page 339!

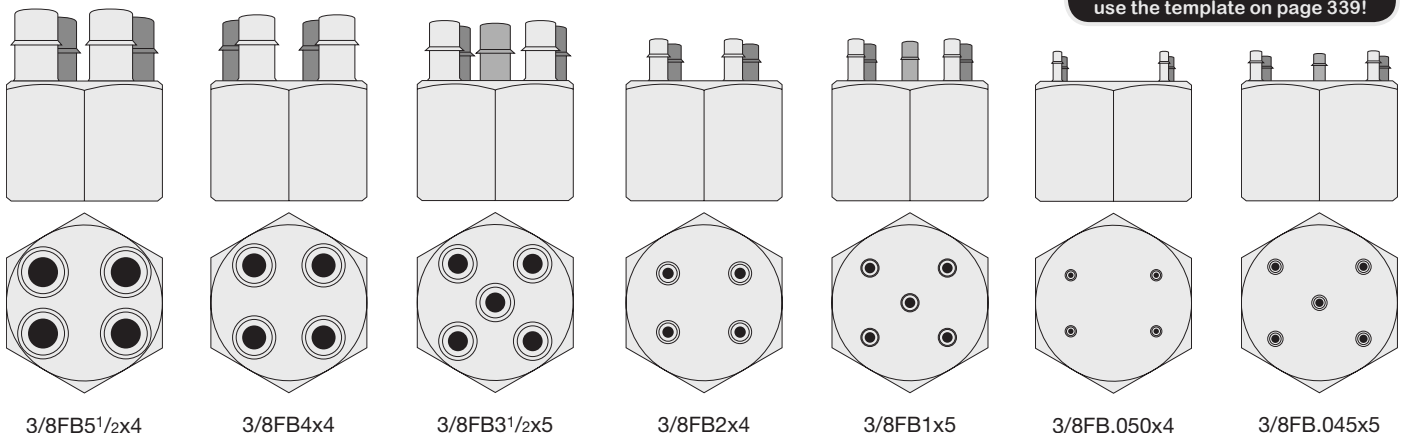
613

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

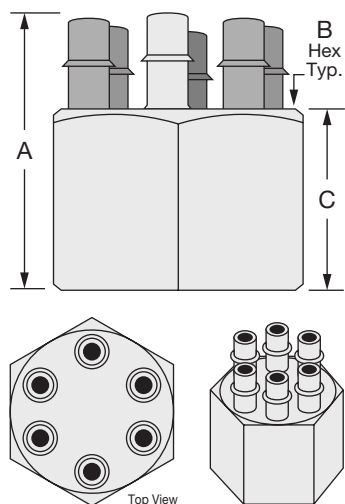


For alternate branch locations, use the template on page 339!



3/8 NPT Female Straight Manifolds with 6 Branches

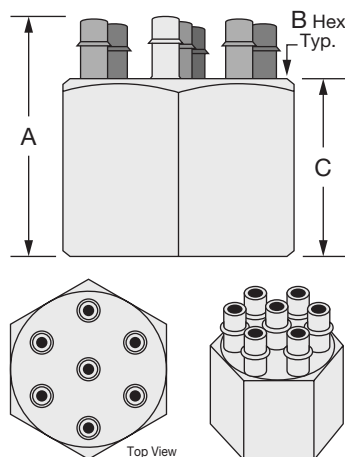
614



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

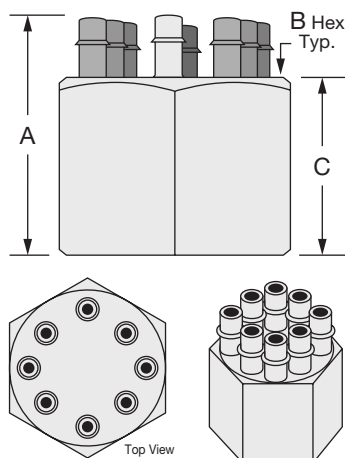
615



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.031x8A-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 manifolds with alternate branch locations!
Use the template on page 339 to indicate branch placement!

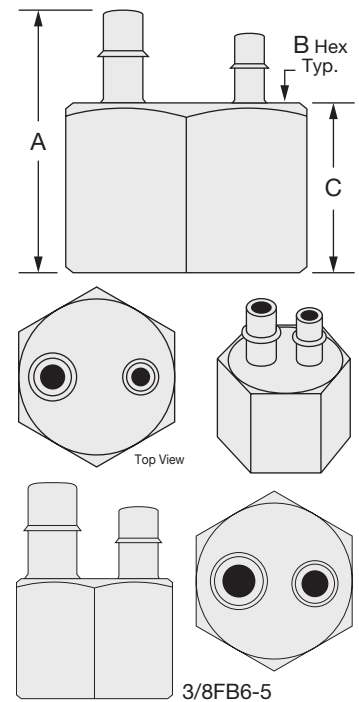
Note:
Dimensions may vary at time of manufacturing.

617

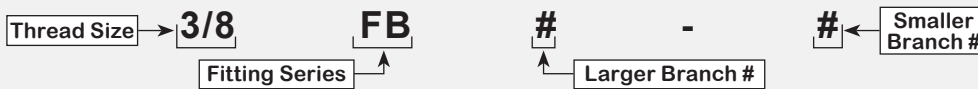
3/8 NPT Female Straight Reducing Manifolds with 2 Branches

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:



Unless otherwise specified, parts will be Brass.

For other materials, add the following codes to the part number:

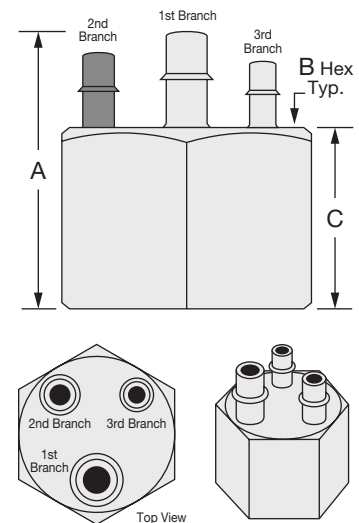
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

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

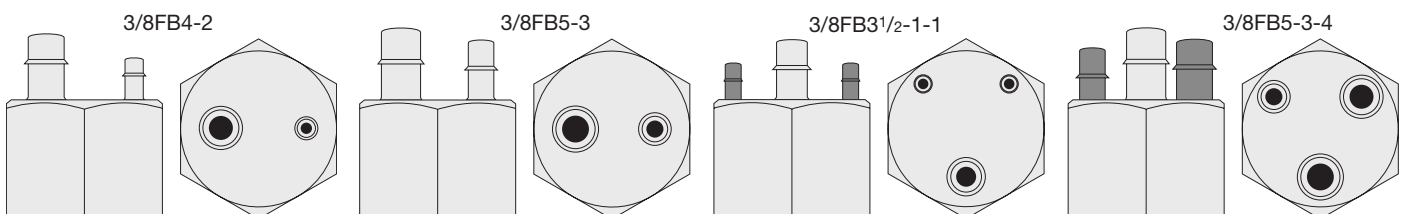
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/8	3	15/16	13/16	5/8
5/32 / 4mm	3 1/2	15/16	13/16	5/8
.170	4	31/32	13/16	5/8
3/16	5	1	13/16	5/8
7/32	5 1/2	1	13/16	5/8
6mm	5 3/4	1 1/8	13/16	5/8
1/4	6	1 1/8	13/16	5/8



Part Numbers for 3/8 NPT Female Thread Reducing Manifolds with 3 Branches:



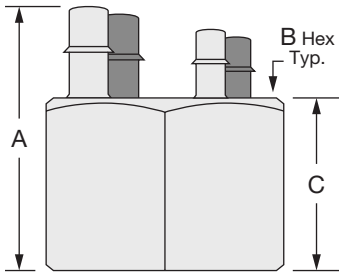
Material options listed above!



Customize your Straight Reducing Manifolds with alternate branch locations!!
Use the template on page 339 to indicate branch sizes and placement!

3/8 NPT Female Straight Reducing Manifolds with 4 Branches

619



Use the template on page 339 to indicate branch sizes & locations!

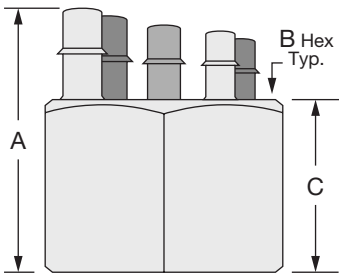
Material options listed on next page!

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 Thread to Tube Manifolds with 5 or 6 Branches

620



Use the template on page 339 to indicate branch sizes & locations!

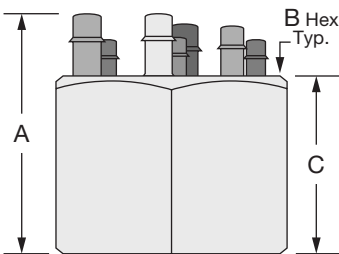
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/32	.031	25/32	13/16	5/8
.040 / 1mm	.040	25/32	13/16	5/8
3/64	.045	25/32	13/16	5/8
.050	.050	25/32	13/16	5/8
1/16	1	27/32	13/16	5/8

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 Thread to Tube Manifolds with 7 Branches

621



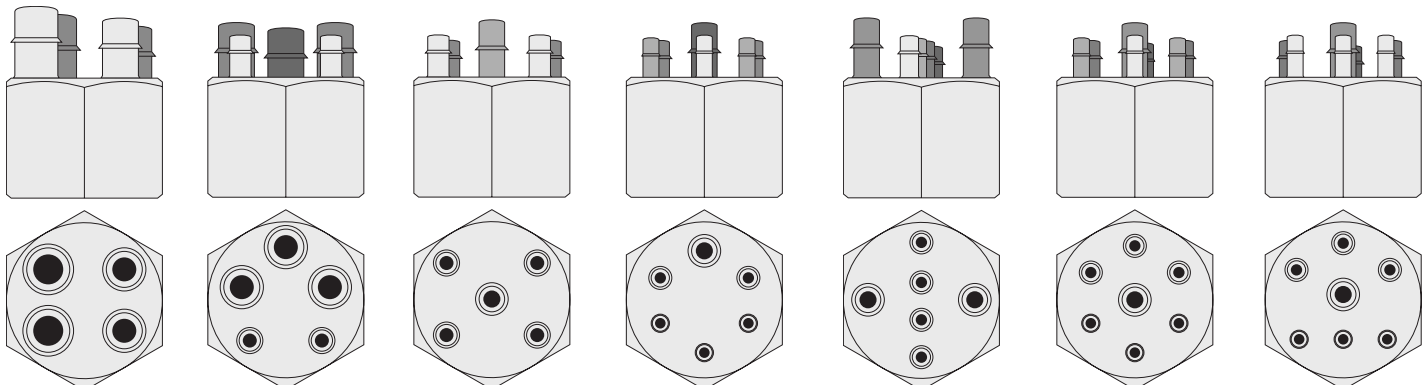
Note:
Dimensions may vary at time of manufacturing.

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 indicate branch sizes & locations!

Material options listed on next page!



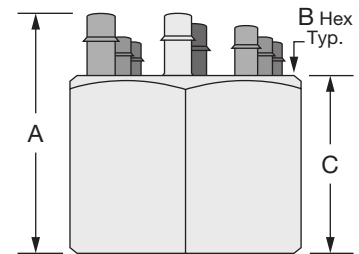
622

3/8 NPT Female Straight Reducing Manifolds with 8 Branches

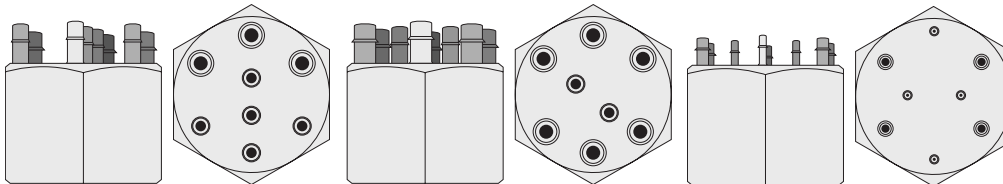
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/32	.031	25/32	13/16	5/8
.040 / 1mm	.040	25/32	13/16	5/8
3/64	.045	25/32	13/16	5/8
.050	.050	25/32	13/16	5/8

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

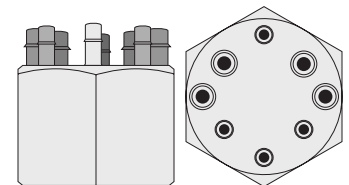
Material options listed below!



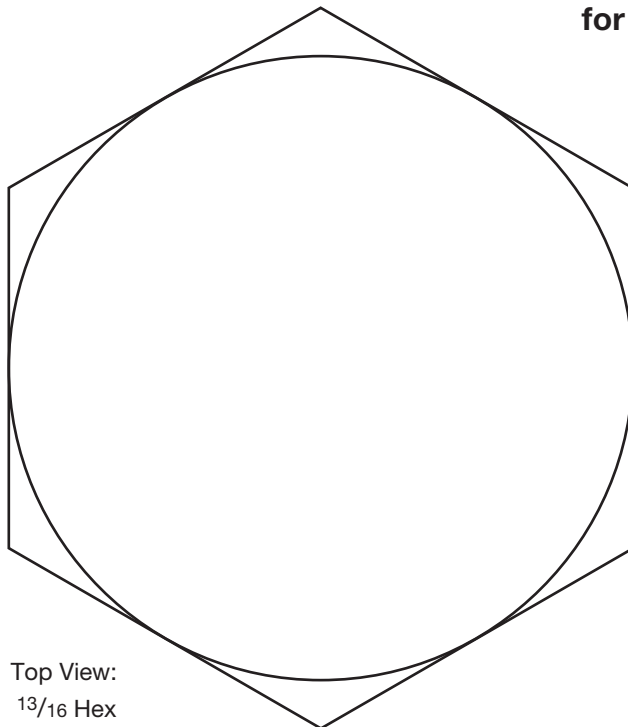
Use the template on page 339 to indicate branch sizes & locations!



Unless otherwise specified, parts will be Brass. For other materials, the following codes will be added 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.

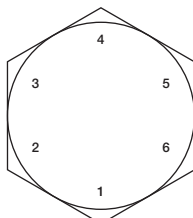
Consult factory for details!

Branch Numbers:

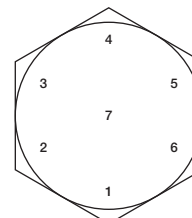
1st Branch (1) = _____ 5th Branch (5) = _____
 2nd Branch (2) = _____ 6th Branch (6) = _____
 3rd Branch (3) = _____ 7th Branch (7) = _____
 4th Branch (4) = _____ 8th Branch (8) = _____

*Part numbers will vary depending on branch configuration

Examples:



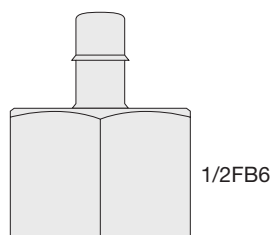
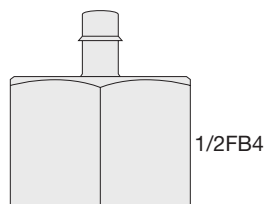
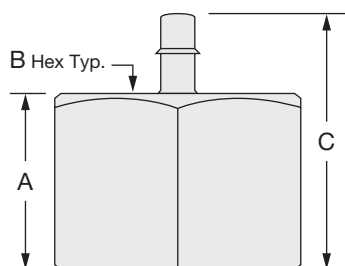
Branch Numbers:
 1st Branch (1) = 3 5th Branch (5) = 1
 2nd Branch (2) = 3 6th Branch (6) = 1
 3rd Branch (3) = 3 7th Branch (7) = n/a
 4th Branch (4) = 2 8th Branch (8) = n/a
 Three #3 Branches (1st, 2nd, 3rd)
 One #1 Branches (4th) Two #1 Branches (5th, 6th)



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)

1/2 NPT Female Thread to Tube

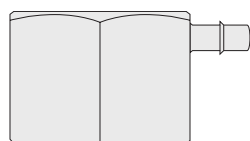
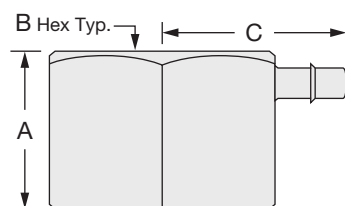
623



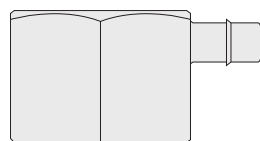
Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	1/2FB1	1/2FB1-SS	1/2FB1-316SS	1/2FB1-AL	1/2FB1-NP	1 1/16	15/16	29/32
5/64 / 2mm	1/2FB2	1/2FB2-SS	1/2FB2-316SS	1/2FB2-AL	1/2FB2-NP	1 1/16	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	1 1/16	15/16	29/32
1/8	1/2FB3	1/2FB3-SS	1/2FB3-316SS	1/2FB3-AL	1/2FB3-NP	1 1/16	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	1 1/16	15/16	1
.170	1/2FB4	1/2FB4-SS	1/2FB4-316SS	1/2FB4-AL	1/2FB4-NP	1 1/16	15/16	1 1/32
3/16	1/2FB5	1/2FB5-SS	1/2FB5-316SS	1/2FB5-AL	1/2FB5-NP	1 1/16	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	1 1/16	15/16	1 1/16
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	1 1/16	15/16	1 3/16
1/4	1/2FB6	1/2FB6-SS	1/2FB6-316SS	1/2FB6-AL	1/2FB6-NP	1 1/16	15/16	1 3/16
5/16 / 8mm	1/2FB7	1/2FB7-SS	1/2FB7-316SS	1/2FB7-AL	1/2FB7-NP	1 1/16	15/16	1 5/16
3/8	1/2FB8	1/2FB8-SS	1/2FB8-316SS	1/2FB8-AL	1/2FB8-NP	1 1/16	15/16	1 7/32
1/2	1/2FB10	1/2FB10-SS	1/2FB10-316SS	1/2FB10-AL	1/2FB10-NP	1 1/16	15/16	1 7/16
5/8	1/2FB11	1/2FB11-SS	1/2FB11-316SS	1/2FB11-AL	1/2FB11-NP	1 1/16	1	2.22
3/4	1/2FB12	1/2FB12-SS	1/2FB12-316SS	1/2FB12-AL	1/2FB12-NP	1 1/16	1	2.22

1/2 NPT Female Thread to Tube Elbows

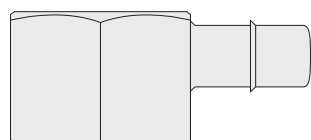
624



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	1 1/16	15/16	1 1/16
5/64 / 2mm	1/2FLB2	1/2FLB2-SS	1/2FLB2-316SS	1/2FLB2-NP	1 1/16	15/16	1 1/16
3/32	1/2FLB2 1/2	1/2FLB2 1/2-SS	1/2FLB2 1/2-316SS	1/2FLB2 1/2-NP	1 1/16	15/16	1 1/16
1/8	1/2FLB3	1/2FLB3-SS	1/2FLB3-316SS	1/2FLB3-NP	1 1/16	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	1 1/16	15/16	25/32
.170	1/2FLB4	1/2FLB4-SS	1/2FLB4-316SS	1/2FLB4-NP	1 1/16	15/16	13/16
3/16	1/2FLB5	1/2FLB5-SS	1/2FLB5-316SS	1/2FLB5-NP	1 1/16	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	1 1/16	15/16	27/32
6mm	1/2FLB5 3/4	1/2FLB5 3/4-SS	1/2FLB5 3/4-316SS	1/2FLB5 3/4-NP	1 1/16	15/16	31/32
1/4	1/2FLB6	1/2FLB6-SS	1/2FLB6-316SS	1/2FLB6-NP	1 1/16	15/16	31/32
5/16 / 8mm	1/2FLB7	1/2FLB7-SS	1/2FLB7-316SS	1/2FLB7-NP	1 1/16	15/16	1 3/32
3/8	1/2FLB8	1/2FLB8-SS	1/2FLB8-316SS	1/2FLB8-NP	1 1/16	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		

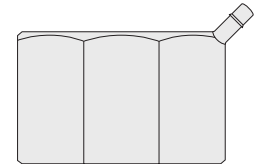
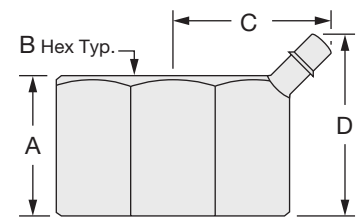
Note: Images are for visual representation only; not intended for dimensional measurements. Dimensions may vary at time of manufacturing.

Smaller branch sizes are available! Lead times & minimum quantities apply! Consult factory for details!

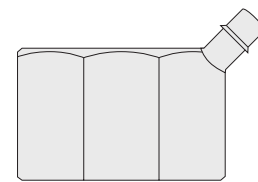
625

1/2 NPT Female Thread to Tube 45° Elbows

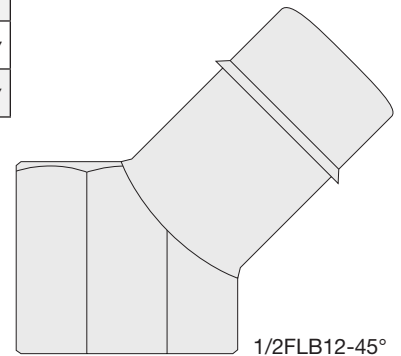
Tube ID	Part Numbers				Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/16	1/2FLB1-45°	1/2FLB1-45°-SS	1/2FLB1-45°-316SS	1/2FLB1-45°-NP	1 1/16	1 5/16	Consult Factory	Consult Factory
5/64 / 2mm	1/2FLB2-45°	1/2FLB2-45°-SS	1/2FLB2-45°-316SS	1/2FLB2-45°-NP	1 1/16	1 5/16	Consult Factory	Consult Factory
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	1 1/16	1 5/16	Consult Factory	Consult Factory
1/8	1/2FLB3-45°	1/2FLB3-45°-SS	1/2FLB3-45°-316SS	1/2FLB3-45°-NP	1 1/16	1 5/16	Consult Factory	Consult Factory
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	1 1/16	1 5/16	Consult Factory	Consult Factory
.170	1/2FLB4-45°	1/2FLB4-45°-SS	1/2FLB4-45°-316SS	1/2FLB4-45°-NP	1 1/16	1 5/16	Consult Factory	Consult Factory
3/16	1/2FLB5-45°	1/2FLB5-45°-SS	1/2FLB5-45°-316SS	1/2FLB5-45°-NP	1 1/16	1 5/16	Consult Factory	Consult Factory
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	1 1/16	1 5/16	Consult Factory	Consult Factory
6mm	1/2FLB5 3/4-45°	1/2FLB5 3/4-45°-SS	1/2FLB5 3/4-45°-316SS	1/2FLB5 3/4-45°-NP	1 1/16	1 5/16	Consult Factory	Consult Factory
1/4	1/2FLB6-45°	1/2FLB6-45°-SS	1/2FLB6-45°-316SS	1/2FLB6-45°-NP	1 1/16	1 5/16	Consult Factory	Consult Factory
5/16 / 8mm	1/2FLB7-45°	1/2FLB7-45°-SS	1/2FLB7-45°-316SS	1/2FLB7-45°-NP	1 1/16	1 5/16	Consult Factory	Consult Factory
3/8	1/2FLB8-45°	1/2FLB8-45°-SS	1/2FLB8-45°-316SS	1/2FLB8-45°-NP	1 1/16	1 5/16	Consult Factory	Consult Factory
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			



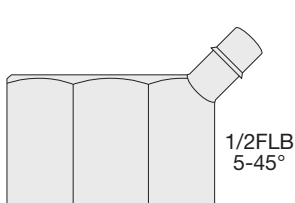
1/2FLB1-45°



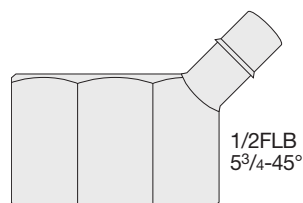
1/2FLB3 1/2-45°



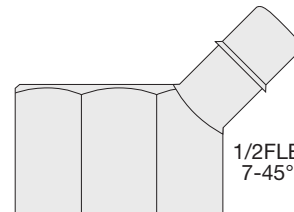
1/2FLB12-45°



1/2FLB5-45°



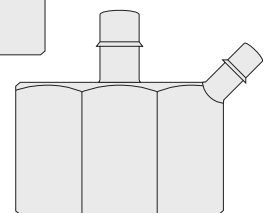
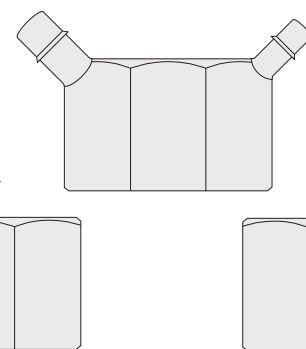
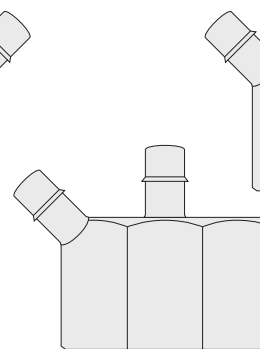
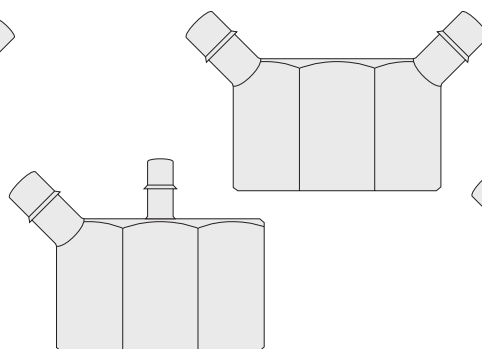
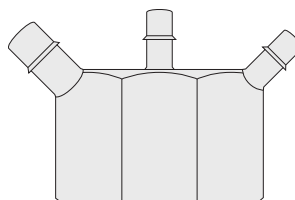
1/2FLB5 3/4-45°



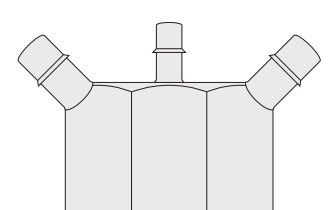
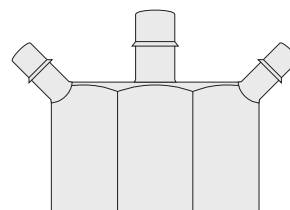
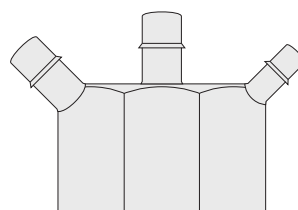
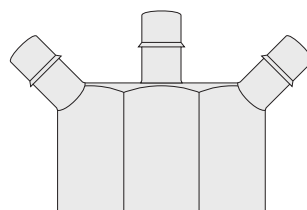
1/2FLB7-45°

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!

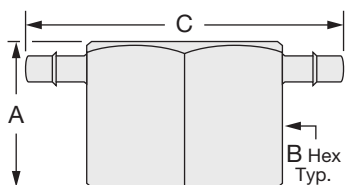


A variety of branch sizes & configurations are available!

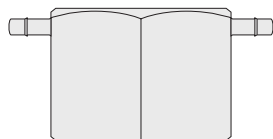


1/2 NPT Female Thread to Tube Tees

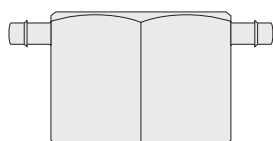
626



1/2FT1



1/2FT2 1/2

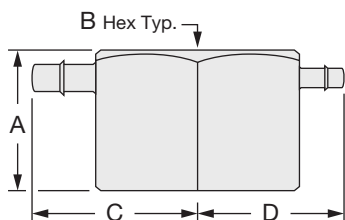


1/2FT4

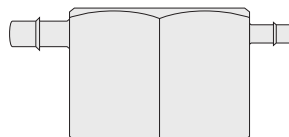
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	1/2FT1	1/2FT1-SS	1/2FT1-316SS	1/2FT1-NP	1/16	15/16	1 3/8
5/64 / 2mm	1/2FT2	1/2FT2-SS	1/2FT2-316SS	1/2FT2-NP	1/16	15/16	1 3/8
3/32	1/2FT2 1/2	1/2FT2 1/2-SS	1/2FT2 1/2-316SS	1/2FT2 1/2-NP	1/16	15/16	1 3/8
1/8	1/2FT3	1/2FT3-SS	1/2FT3-316SS	1/2FT3-NP	1/16	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	1/16	15/16	1 9/16
.170	1/2FT4	1/2FT4-SS	1/2FT4-316SS	1/2FT4-NP	1/16	15/16	1 5/8
3/16	1/2FT5	1/2FT5-SS	1/2FT5-316SS	1/2FT5-NP	1/16	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	1/16	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	1/16	15/16	1 15/16
1/4	1/2FT6	1/2FT6-SS	1/2FT6-316SS	1/2FT6-NP	1/16	15/16	1 15/16
5/16 / 8mm	1/2FT7	1/2FT7-SS	1/2FT7-316SS	1/2FT7-NP	1/16	15/16	2 3/16
3/8	1/2FT8	1/2FT8-SS	1/2FT8-316SS	1/2FT8-NP	1/16	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

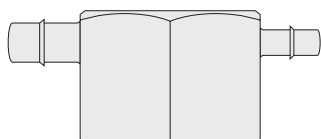
627



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	1/16	15/16	1/16	1/16
5/64 / 2mm	2	1/16	15/16	1/16	1/16
3/32	2 1/2	1/16	15/16	1/16	1/16
1/8	3	1/16	15/16	25/32	25/32
5/32 / 4mm	3 1/2	1/16	15/16	25/32	25/32
.170	4	1/16	15/16	13/16	13/16
3/16	5	1/16	15/16	27/32	27/32
7/32	5 1/2	1/16	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	1/16	15/16	1	3 1/32
1/4	6	1/16	15/16	1	3 1/32
5/16 / 8mm	7	1/16	15/16	1 1/8	1 3/32
3/8	8	1/16	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	#	-	#	Smaller Branch #
		Fitting Series		Larger Branch #		

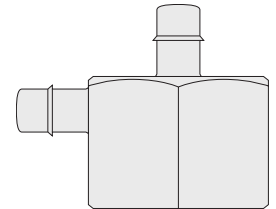
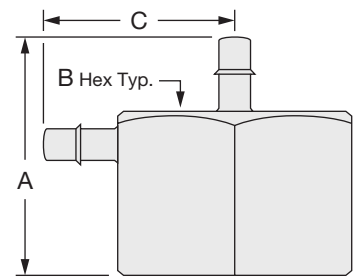
Unless otherwise specified, parts will be Brass. For other materials, add the following codes to the part number:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

Smaller branch sizes are available! Lead times & minimum quantities apply! Consult factory for details!

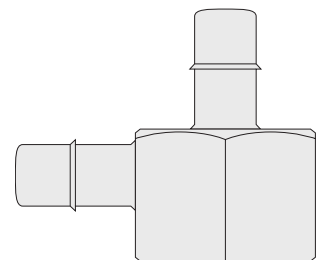
628

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		



1/2FLT5 1/2



1/2FLT7

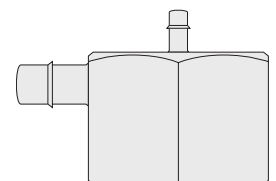
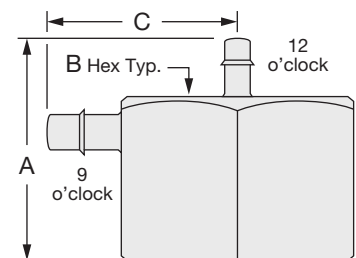
Smaller branch sizes are available! Lead times & minimum quantities apply! Consult factory for details!

629

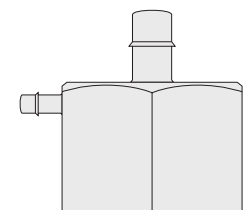
1/2 NPT Female Thread to Tube Reducing L-Tees

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/16	1	.908	15/16	11/16
5/64 / 2mm	2	.908	15/16	11/16
3/32	2 1/2	.908	15/16	11/16
1/8	3	1.002	15/16	25/32
5/32 / 4mm	3 1/2	1.002	15/16	25/32
.170	4	1.033	15/16	13/16
3/16	5	1.065	15/16	27/32
7/32	5 1/2	1.065	15/16	27/32

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
6mm	5 3/4	1.190	15/16	31/32
1/4	6	1.190	15/16	31/32
5/16 / 8mm	7	1.315	15/16	1 3/32
3/8	8	1.221	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.


1/2FRLT5-2



1/2FRLT2-5

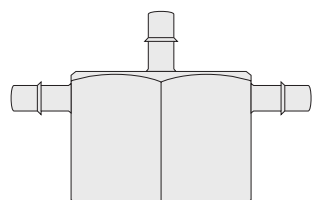
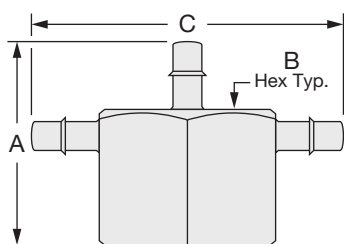
Part Numbers for 1/2 NPT Female Thread to Tube Reducing L-Tees:

Thread Size	1/2	FRLT	#	-	#	12 O'clock Branch #
		Fitting Series				9 O'clock Branch #

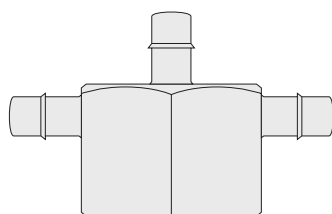
Unless otherwise specified, parts will be Brass. For other materials, add the following codes to the part number:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

1/2 NPT Female Thread to Tube Tees x 3

630



1/2FT3x3

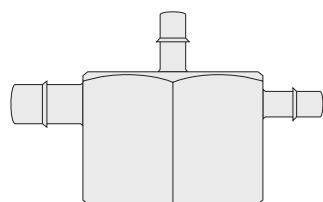
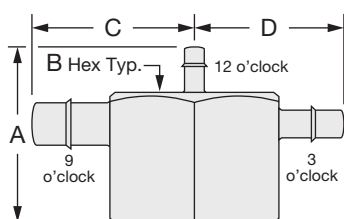


1/2FT5x3

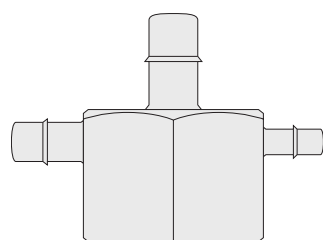
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	1/2FT1x3	1/2FT1x3-SS	1/2FT1x3-316SS	1/2FT1x3-NP	.908	15/16	17/16
5/64 / 2mm	1/2FT2x3	1/2FT2x3-SS	1/2FT2x3-316SS	1/2FT2x3-NP	.908	15/16	17/16
3/32	1/2FT2 1/2x3	1/2FT2 1/2x3-SS	1/2FT2 1/2x3-316SS	1/2FT2 1/2x3-NP	.908	15/16	17/16
1/8	1/2FT3x3	1/2FT3x3-SS	1/2FT3x3-316SS	1/2FT3x3-NP	1.002	15/16	1 5/8
5/32 / 4mm	1/2FT3 1/2x3	1/2FT3 1/2x3-SS	1/2FT3 1/2x3-316SS	1/2FT3 1/2x3-NP	1.002	15/16	1 5/8
.170	1/2FT4x3	1/2FT4x3-SS	1/2FT4x3-316SS	1/2FT4x3-NP	1.033	15/16	1 11/16
3/16	1/2FT5x3	1/2FT5x3-SS	1/2FT5x3-316SS	1/2FT5x3-NP	1.065	15/16	1 3/4
7/32	1/2FT5 1/2x3	1/2FT5 1/2x3-SS	1/2FT5 1/2x3-316SS	1/2FT5 1/2x3-NP	1.065	15/16	1 3/4
6mm	1/2FT5 3/4x3	1/2FT5 3/4x3-SS	1/2FT5 3/4x3-316SS	1/2FT5 3/4x3-NP	1.190	15/16	2
1/4	1/2FT6x3	1/2FT6x3-SS	1/2FT6x3-316SS	1/2FT6x3-NP	1.190	15/16	2
5/16 / 8mm	1/2FT7x3	1/2FT7x3-SS	1/2FT7x3-316SS	1/2FT7x3-NP	1.315	15/16	2 1/4
3/8	1/2FT8x3	1/2FT8x3-SS	1/2FT8x3-316SS	1/2FT8x3-NP	1.221	15/16	2 1/6
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

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/16	1	.908	15/16	11/16	11/16
5/64 / 2mm	2	.908	15/16	11/16	11/16
3/32	2 1/2	.908	15/16	11/16	11/16
1/8	3	1.002	15/16	25/32	25/32
5/32 / 4mm	3 1/2	1.002	15/16	25/32	25/32
.170	4	1.033	15/16	13/16	13/16
3/16	5	1.065	15/16	27/32	27/32
7/32	5 1/2	1.065	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	1.190	15/16	31/32	31/32
1/4	6	1.190	15/16	31/32	31/32
5/16 / 8mm	7	1.315	15/16	13/32	13/32
3/8	8	1.221	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	FRT	#	-	#	-	#	3 O'clock Branch #
Fitting Series			9 O'clock Branch #		12 O'clock Branch #			

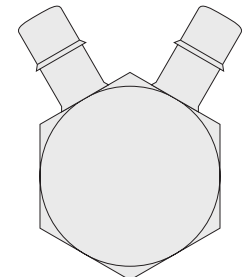
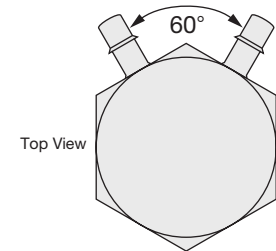
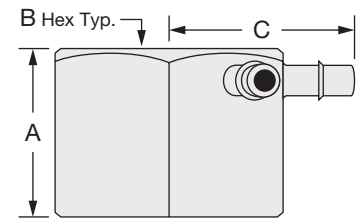
Unless otherwise specified, parts will be Brass. For other materials, add the following codes to the part number:
 -SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

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	1/16	15/16	1/16
5/64 / 2mm	1/2FLT2	1/2FLT2-SS	1/2FLT2-316SS	1/2FLT2-NP	1/16	15/16	1/16
3/32	1/2FLT2 1/2	1/2FLT2 1/2-SS	1/2FLT2 1/2-316SS	1/2FLT2 1/2-NP	1/16	15/16	1/16
1/8	1/2FLT3	1/2FLT3-SS	1/2FLT3-316SS	1/2FLT3-NP	1/16	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	1/16	15/16	25/32
.170	1/2FLT4	1/2FLT4-SS	1/2FLT4-316SS	1/2FLT4-NP	1/16	15/16	13/16
3/16	1/2FLT5	1/2FLT5-SS	1/2FLT5-316SS	1/2FLT5-NP	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	1/16	15/16	27/32
6mm	1/2FLT5 3/4	1/2FLT5 3/4-SS	1/2FLT5 3/4-316SS	1/2FLT5 3/4-NP	1/16	15/16	31/32
1/4	1/2FLT6	1/2FLT6-SS	1/2FLT6-316SS	1/2FLT6-NP	1/16	15/16	31/32
5/16 / 8mm	1/2FLT7	1/2FLT7-SS	1/2FLT7-316SS	1/2FLT7-NP	1/16	15/16	1 3/32
3/8	1/2FLT8	1/2FLT8-SS	1/2FLT8-316SS	1/2FLT8-NP	1/16	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!

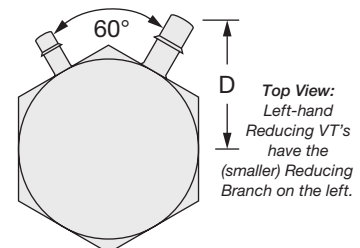
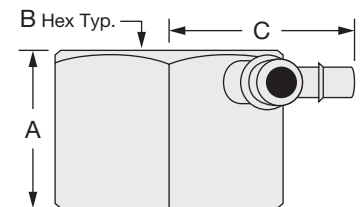
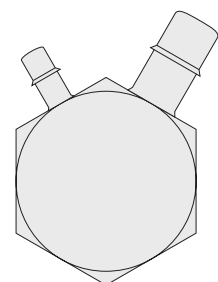
Note: Images are for visual representation only; not intended for dimensional measurements.

633

1/2 NPT Female Thread to Tube Reducing Left-Hand V-Tees

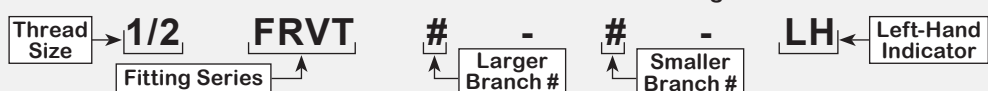
Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/16	1	1/16	15/16	1/16	1/16
5/64 / 2mm	2	1/16	15/16	1/16	1/16
3/32	2 1/2	1/16	15/16	1/16	1/16
1/8	3	1/16	15/16	25/32	25/32
5/32 / 4mm	3 1/2	1/16	15/16	25/32	25/32
.170	4	1/16	15/16	13/16	13/16
3/16	5	1/16	15/16	27/32	27/32
7/32	5 1/2	1/16	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	1/16	15/16	31/32	31/32
1/4	6	1/16	15/16	31/32	31/32
5/16 / 8mm	7	1/16	15/16	1 3/32	1 3/32
3/8	8	1/16	15/16	1	1
1/2	10	Consult Factory			
5/8	11	Consult Factory			
3/4	12	Consult Factory			


Top View:
Left-hand
Reducing VT's
have the
(smaller) Reducing
Branch on the left.


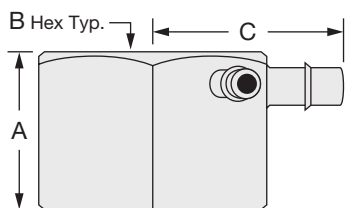
1/2FRVT6-3-LH

Part Numbers for 1/2 NPT Female Thread to Tube Reducing Left-Hand V-Tees:

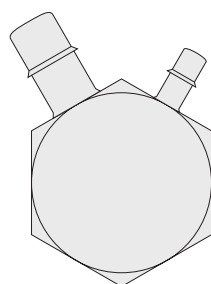
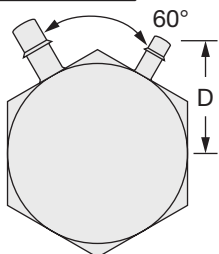

Unless otherwise specified, parts will be Brass. For other materials, add the following codes to the part number:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

1/2 NPT Female Thread to Tube Reducing Right-Hand V-Tees

634



Top View:
Right-hand
Reducing VT's
have the
(smaller)
Reducing
Branch
on the right.



1/2FRVT6-3-RH

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/16	1	1 1/16	15/16	1 1/16	1 1/16
5/64 / 2mm	2	1 1/16	15/16	1 1/16	1 1/16
3/32	2 1/2	1 1/16	15/16	1 1/16	1 1/16
1/8	3	1 1/16	15/16	25/32	25/32
5/32 / 4mm	3 1/2	1 1/16	15/16	25/32	25/32
.170	4	1 1/16	15/16	13/16	13/16
3/16	5	1 1/16	15/16	27/32	27/32
7/32	5 1/2	1 1/16	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	1 1/16	15/16	3 1/32	3 1/32
1/4	6	1 1/16	15/16	3 1/32	3 1/32
5/16 / 8mm	7	1 1/16	15/16	13/32	13/32
3/8	8	1 1/16	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:

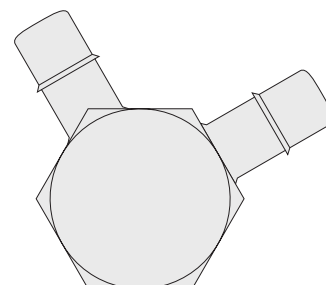
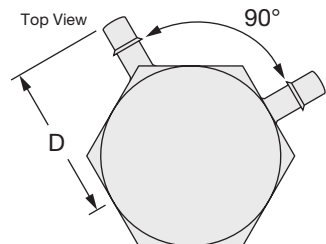
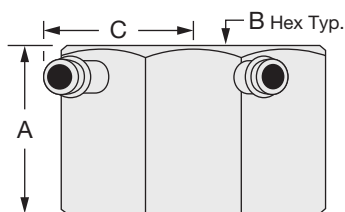


Unless otherwise specified, parts will be Brass. For other materials, add the following codes to the part number:

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

1/2 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	1 1/16	15/16	1 1/16	Consult Factory
5/64 / 2mm	1/2FVT2-90°	1/2FVT2-90°-SS	1/2FVT2-90°-316SS	1/2FVT2-90°-NP	1 1/16	15/16	1 1/16	
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	1 1/16	15/16	1 1/16	
1/8	1/2FVT3-90°	1/2FVT3-90°-SS	1/2FVT3-90°-316SS	1/2FVT3-90°-NP	1 1/16	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	1 1/16	15/16	25/32	
.170	1/2FVT4-90°	1/2FVT4-90°-SS	1/2FVT4-90°-316SS	1/2FVT4-90°-NP	1 1/16	15/16	13/16	
3/16	1/2FVT5-90°	1/2FVT5-90°-SS	1/2FVT5-90°-316SS	1/2FVT5-90°-NP	1 1/16	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	1 1/16	15/16	27/32	
6mm	1/2FVT5 3/4-90°	1/2FVT5 3/4-90°-SS	1/2FVT5 3/4-90°-316SS	1/2FVT5 3/4-90°-NP	1 1/16	15/16	3 1/32	
1/4	1/2FVT6-90°	1/2FVT6-90°-SS	1/2FVT6-90°-316SS	1/2FVT6-90°-NP	1 1/16	15/16	3 1/32	Consult Factory
5/16 / 8mm	1/2FVT7-90°	1/2FVT7-90°-SS	1/2FVT7-90°-316SS	1/2FVT7-90°-NP	1 1/16	15/16	1 3/32	
3/8	1/2FVT8-90°	1/2FVT8-90°-SS	1/2FVT8-90°-316SS	1/2FVT8-90°-NP	1 1/16	15/16	1	
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			

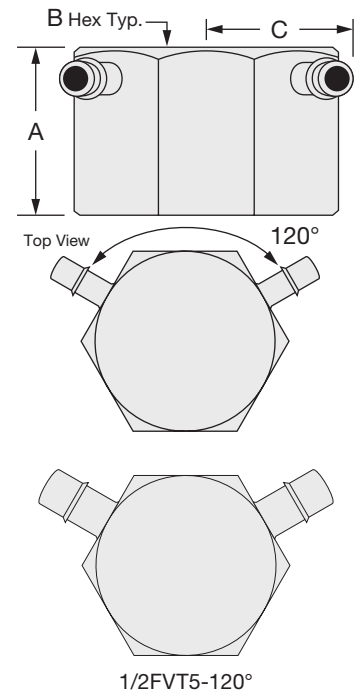
Note: Images are for visual representation only. Dimensions may vary at time of manufacturing.

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

636

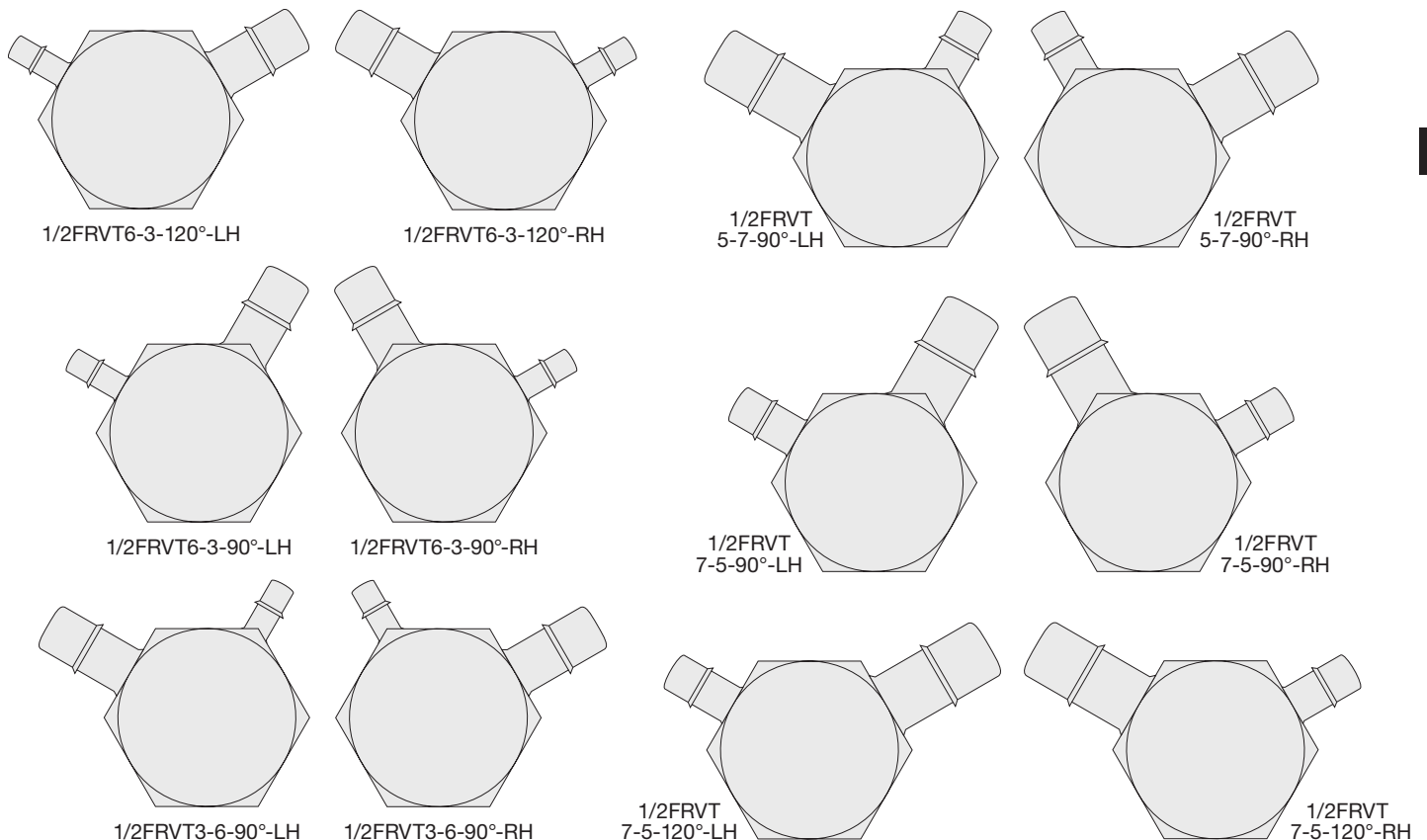
1/2 NPT Female Thread to Tube 120° V-Tees

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	1/16	15/16	1/16
5/64 / 2mm	1/2FVT2-120°	1/2FVT2-120°-SS	1/2FVT2-120°-316SS	1/2FVT2-120°-NP	1/16	15/16	1/16
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	1/16	15/16	1/16
1/8	1/2FVT3-120°	1/2FVT3-120°-SS	1/2FVT3-120°-316SS	1/2FVT3-120°-NP	1/16	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	1/16	15/16	25/32
.170	1/2FVT4-120°	1/2FVT4-120°-SS	1/2FVT4-120°-316SS	1/2FVT4-120°-NP	1/16	15/16	13/16
3/16	1/2FVT5-120°	1/2FVT5-120°-SS	1/2FVT5-120°-316SS	1/2FVT5-120°-NP	1/16	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	1/16	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	1/16	15/16	31/32
1/4	1/2FVT6-120°	1/2FVT6-120°-SS	1/2FVT6-120°-316SS	1/2FVT6-120°-NP	1/16	15/16	31/32
5/16 / 8mm	1/2FVT7-120°	1/2FVT7-120°-SS	1/2FVT7-120°-316SS	1/2FVT7-120°-NP	1/16	15/16	1 3/32
3/8	1/2FVT8-120°	1/2FVT8-120°-SS	1/2FVT8-120°-316SS	1/2FVT8-120°-NP	1/16	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		



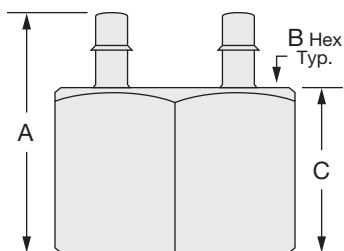
Note: for systems that do not allow the degree symbol (°) to be used, it can be substituted with 'DEG' in the part number.

1/2 NPT Female Thread to Tube 90° & 120° Reducing V-Tees available! Lead times apply! Consult factory for details!

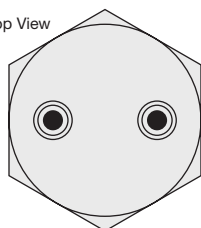


1/2 NPT Female Straight Manifolds with 2 Branches

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Top View

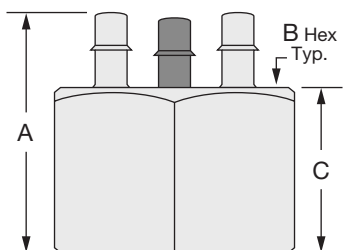


For alternate branch locations,
use the template on page 353!

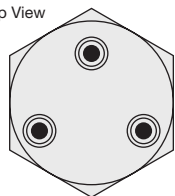
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	1/2FB1x2	1/2FB1x2-SS	1/2FB1x2-316SS	1/2FB1x2-NP	29/32	15/16	1 1/16
5/64 / 2mm	1/2FB2x2	1/2FB2x2-SS	1/2FB2x2-316SS	1/2FB2x2-NP	29/32	15/16	1 1/16
3/32	1/2FB2 1/2x2	1/2FB2 1/2x2-SS	1/2FB2 1/2x2-316SS	1/2FB2 1/2x2-NP	29/32	15/16	1 1/16
1/8	1/2FB3x2	1/2FB3x2-SS	1/2FB3x2-316SS	1/2FB3x2-NP	1	15/16	1 1/16
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	1 1/16
.170	1/2FB4x2	1/2FB4x2-SS	1/2FB4x2-316SS	1/2FB4x2-NP	1 1/32	15/16	1 1/16
3/16	1/2FB5x2	1/2FB5x2-SS	1/2FB5x2-316SS	1/2FB5x2-NP	1 1/16	15/16	1 1/16
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	1 1/16
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	1 1/16
1/4	1/2FB6x2	1/2FB6x2-SS	1/2FB6x2-316SS	1/2FB6x2-NP	1 3/16	15/16	1 1/16
5/16 / 8mm	1/2FB7x2	1/2FB7x2-SS	1/2FB7x2-316SS	1/2FB7x2-NP	1 5/16	15/16	1 1/16

1/2 NPT Female Straight Manifolds with 3 Branches

638

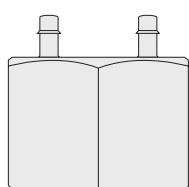
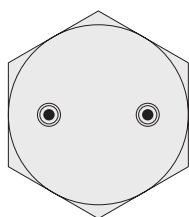


Top View

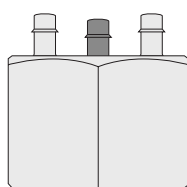
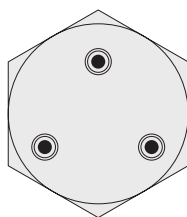


For alternate branch locations,
use the template on page 353!

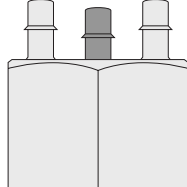
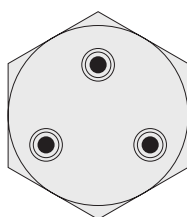
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	1/2FB1x3	1/2FB1x3-SS	1/2FB1x3-316SS	1/2FB1x3-NP	29/32	15/16	1 1/16
5/64 / 2mm	1/2FB2x3	1/2FB2x3-SS	1/2FB2x3-316SS	1/2FB2x3-NP	29/32	15/16	1 1/16
3/32	1/2FB2 1/2x3	1/2FB2 1/2x3-SS	1/2FB2 1/2x3-316SS	1/2FB2 1/2x3-NP	29/32	15/16	1 1/16
1/8	1/2FB3x3	1/2FB3x3-SS	1/2FB3x3-316SS	1/2FB3x3-NP	1	15/16	1 1/16
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	1 1/16
.170	1/2FB4x3	1/2FB4x3-SS	1/2FB4x3-316SS	1/2FB4x3-NP	1 1/32	15/16	1 1/16
3/16	1/2FB5x3	1/2FB5x3-SS	1/2FB5x3-316SS	1/2FB5x3-NP	1 1/16	15/16	1 1/16
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	1 1/16
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	1 1/16
1/4	1/2FB6x3	1/2FB6x3-SS	1/2FB6x3-316SS	1/2FB6x3-NP	1 3/16	15/16	1 1/16



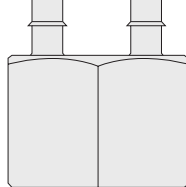
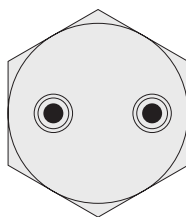
1/2FB2x2



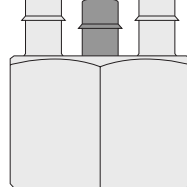
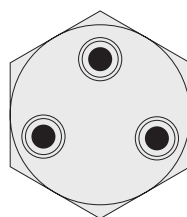
1/2FB2 1/2x3



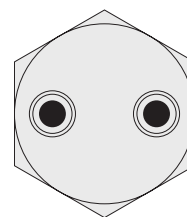
1/2FB3x3



1/2FB3 1/2x2



1/2FB4x3

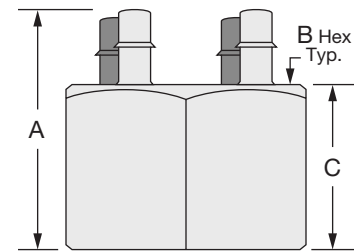


1/2FB5x2

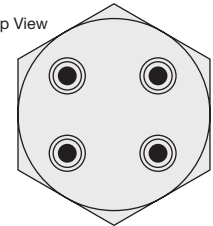
639

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	1 1/16
5/64 / 2mm	1/2FB2x4	1/2FB2x4-SS	1/2FB2x4-316SS	1/2FB2x4-NP	29/32	15/16	1 1/16
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	1 1/16
1/8	1/2FB3x4	1/2FB3x4-SS	1/2FB3x4-316SS	1/2FB3x4-NP	1	15/16	1 1/16
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	1 1/16
.170	1/2FB4x4	1/2FB4x4-SS	1/2FB4x4-316SS	1/2FB4x4-NP	1 1/32	15/16	1 1/16
3/16	1/2FB5x4	1/2FB5x4-SS	1/2FB5x4-316SS	1/2FB5x4-NP	1 1/16	15/16	1 1/16
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	1 1/16
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	1 1/16
1/4	1/2FB6x4	1/2FB6x4-SS	1/2FB6x4-316SS	1/2FB6x4-NP	1 3/16	15/16	1 1/16



Top View

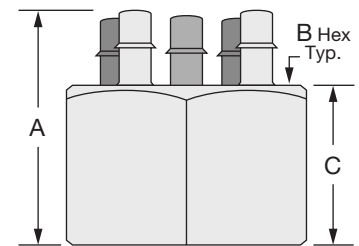
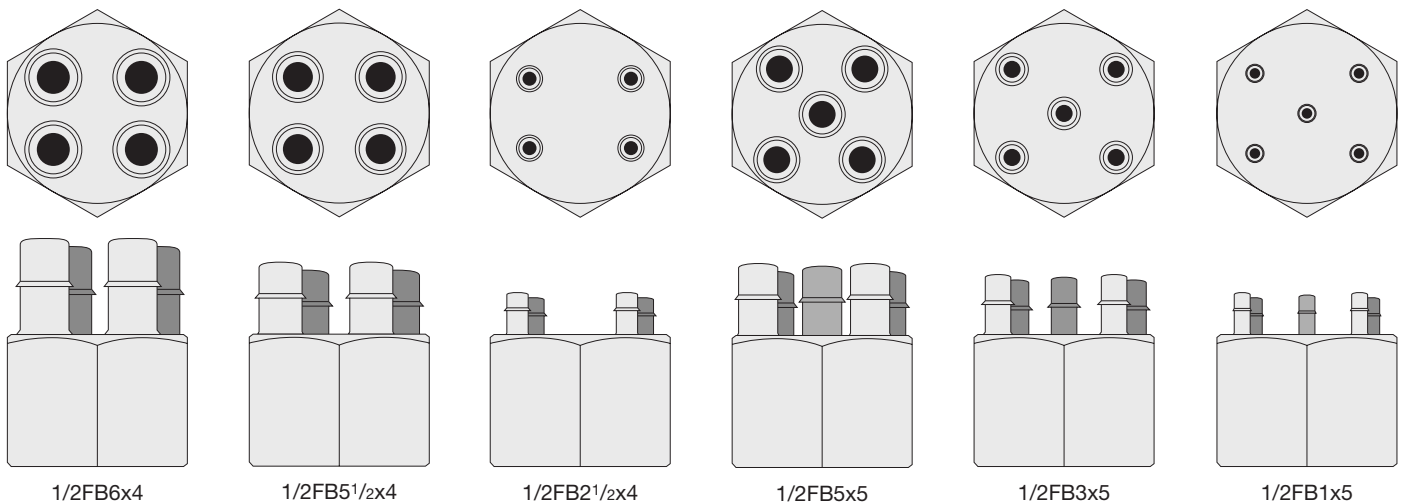
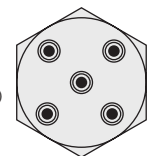


Note: Images are for visual representation only. Dimensions may vary at time of manufacturing.

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1/2 NPT Female Straight Manifolds with 5 Branches

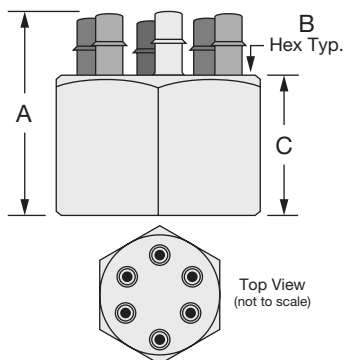
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	1/2FB1x5	1/2FB1x5-SS	1/2FB1x5-316SS	1/2FB1x5-NP	29/32	15/16	1 1/16
5/64 / 2mm	1/2FB2x5	1/2FB2x5-SS	1/2FB2x5-316SS	1/2FB2x5-NP	29/32	15/16	1 1/16
3/32	1/2FB2 1/2x5	1/2FB2 1/2x5-SS	1/2FB2 1/2x5-316SS	1/2FB2 1/2x5-NP	29/32	15/16	1 1/16
1/8	1/2FB3x5	1/2FB3x5-SS	1/2FB3x5-316SS	1/2FB3x5-NP	1	15/16	1 1/16
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	1 1/16
.170	1/2FB4x5	1/2FB4x5-SS	1/2FB4x5-316SS	1/2FB4x5-NP	1 1/32	15/16	1 1/16
3/16	1/2FB5x5	1/2FB5x5-SS	1/2FB5x5-316SS	1/2FB5x5-NP	1 1/16	15/16	1 1/16


Top View
(not to scale)


Customize your Female Straight Manifolds with alternate Branch locations!!
Use the Template on page 353 to indicate Branch sizes and placement!

1/2 NPT Female Straight Manifolds with 6 Branches

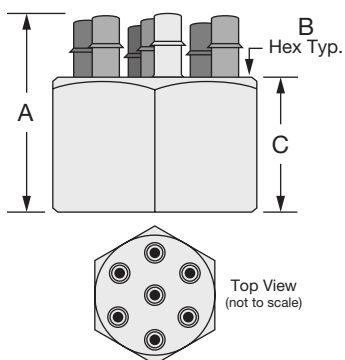
641



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	1 1/16
5/64 / 2mm	1/2FB2x6	1/2FB2x6-SS	1/2FB2x6-316SS	1/2FB2x6-NP	29/32	15/16	1 1/16
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	1 1/16
1/8	1/2FB3x6	1/2FB3x6-SS	1/2FB3x6-316SS	1/2FB3x6-NP	1	15/16	1 1/16
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	1 1/16
.170	1/2FB4x6	1/2FB4x6-SS	1/2FB4x6-316SS	1/2FB4x6-NP	1 1/32	15/16	1 1/16

1/2 NPT Female Straight Manifolds with 7 Branches

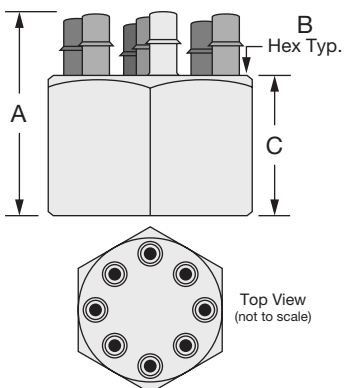
642



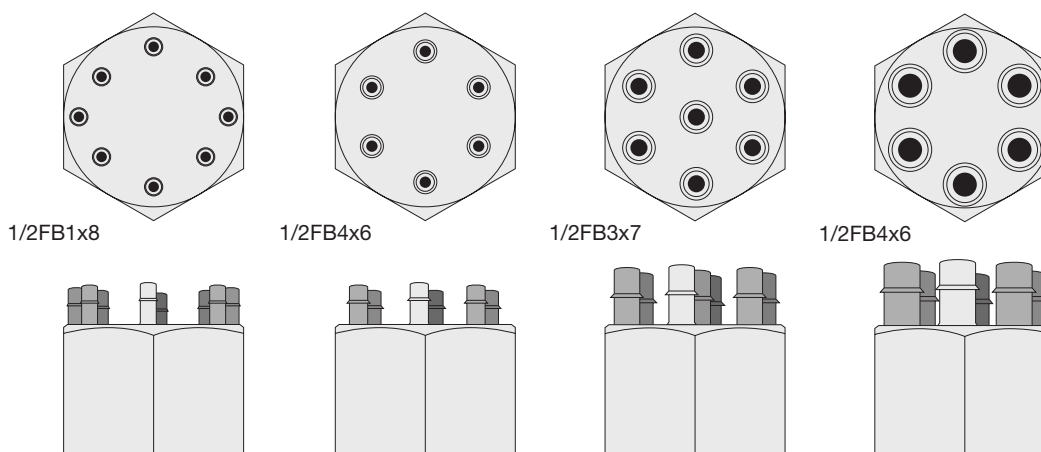
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	1/2FB1x7	1/2FB1x7-SS	1/2FB1x7-316SS	1/2FB1x7-NP	29/32	15/16	1 1/16
5/64 / 2mm	1/2FB2x7	1/2FB2x7-SS	1/2FB2x7-316SS	1/2FB2x7-NP	29/32	15/16	1 1/16
3/32	1/2FB2 1/2x7	1/2FB2 1/2x7-SS	1/2FB2 1/2x7-316SS	1/2FB2 1/2x7-NP	29/32	15/16	1 1/16
1/8	1/2FB3x7	1/2FB3x7-SS	1/2FB3x7-316SS	1/2FB3x7-NP	1	15/16	1 1/16
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	1 1/16
.170	1/2FB4x7	1/2FB4x7-SS	1/2FB4x7-316SS	1/2FB4x7-NP	1 1/32	15/16	1 1/16

1/2 NPT Female Straight Manifolds with 8 Branches

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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	1 1/16
5/64 / 2mm	1/2FB2x8	1/2FB2x8-SS	1/2FB2x8-316SS	1/2FB2x8-NP	29/32	15/16	1 1/16
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	1 1/16
1/8	1/2FB3x8	1/2FB3x8-SS	1/2FB3x8-316SS	1/2FB3x8-NP	1	15/16	1 1/16



Customize your Female Straight Manifolds with alternate Branch locations! Use the template on page 353 to indicate Branch location!

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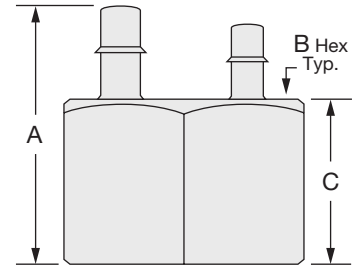
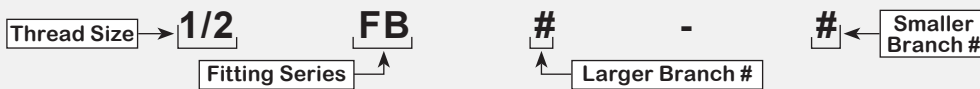
1/2 NPT Female Straight Reducing Manifolds with 2 Branches

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

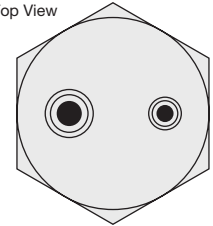
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
3/16	5	1 1/16	15/16	11/16
7/32	5 1/2	1 1/16	15/16	11/16
6mm	5 3/4	1 3/16	15/16	11/16
1/4	6	1 3/16	15/16	11/16
5/16 / 8mm	7	1 5/16	15/16	11/16

Material options listed below!

Part Numbers for 1/2 NPT Female Thread Reducing Manifolds with 2 Branches:



Top View



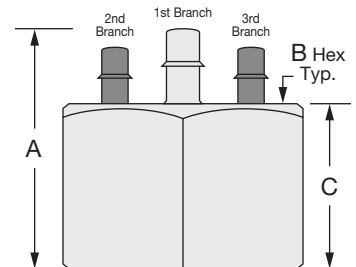
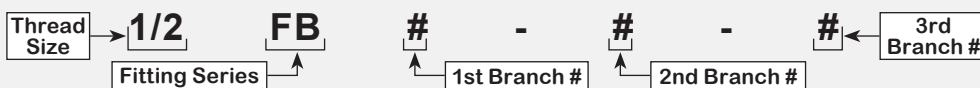
645

1/2 NPT Female Straight Reducing Manifolds with 3 Branches

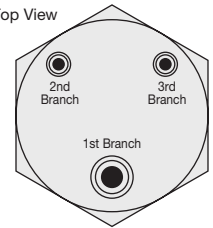
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/16	1	29/32	15/16	11/16
5/64 / 2mm	2	29/32	15/16	11/16
3/32	2 1/2	29/32	15/16	11/16
1/8	3	1	15/16	11/16
5/32 / 4mm	3 1/2	1	15/16	11/16

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:



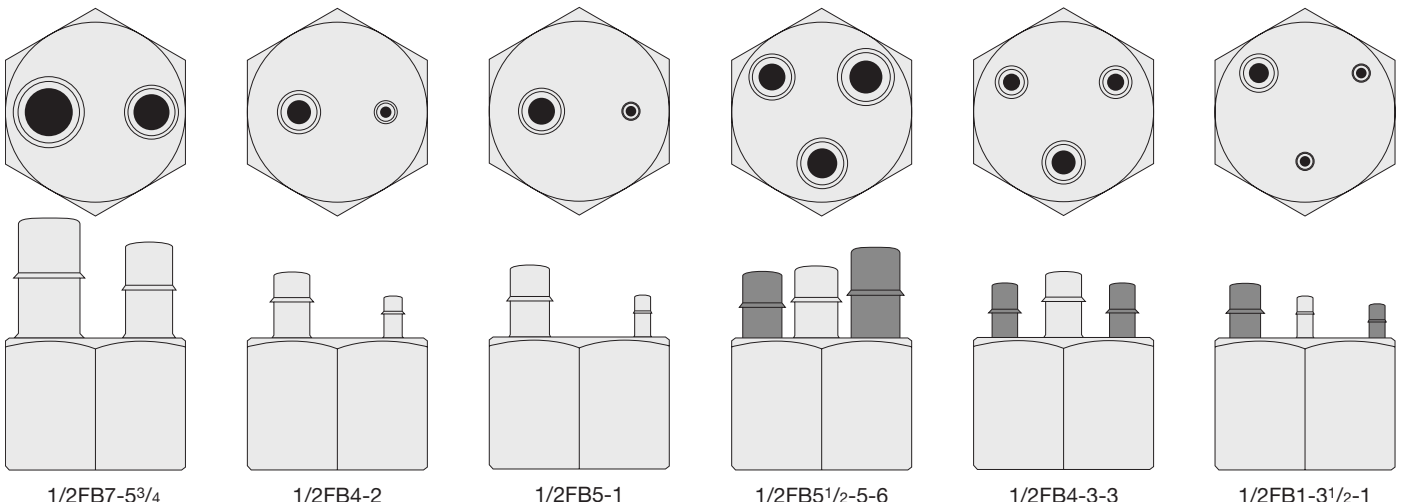
Top View



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

Use the template on page 353 to customize branch locations!



1/2FB7-5 3/4

1/2FB4-2

1/2FB5-1

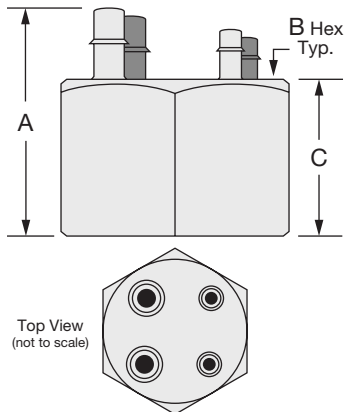
1/2FB5 1/2-5-6

1/2FB4-3-3

1/2FB1-3 1/2-1

1/2 NPT Female Straight Reducing Manifolds with 4 Branches

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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

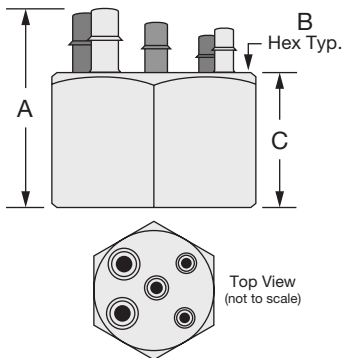
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
.170	4	1 1/32	15/16	11/16
3/16	5	1 1/16	15/16	11/16
7/32	5 1/2	1 1/16	15/16	11/16
6mm	5 3/4	1 3/16	15/16	11/16
1/4	6	1 3/16	15/16	11/16

Use the template on page 353 to indicate branch sizes & locations!

Material options listed on next page!

1/2 NPT Female Thread to Tube Manifolds with 5 Branches

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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

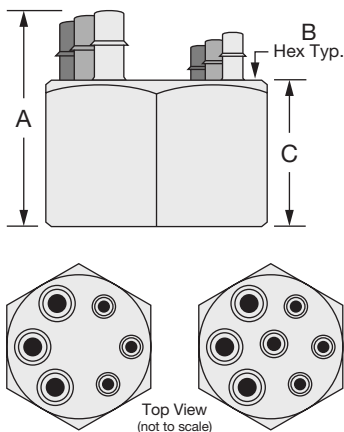
Note: Dimensions may vary at time of manufacturing.

Use the template on page 353 to indicate branch sizes & locations!

Material options listed on next page!

1/2 NPT Female Thread to Tube Manifolds with 6 or 7 Branches

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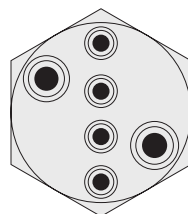
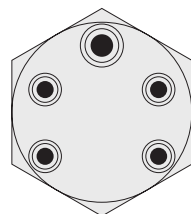
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/16	1	29/32	15/16	11/16
5/64 / 2mm	2	29/32	15/16	11/16
3/32	2 1/2	29/32	15/16	11/16

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

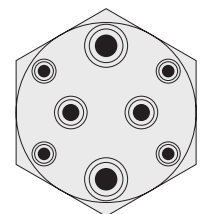
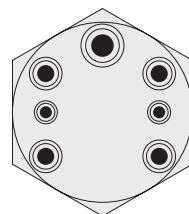
Use the template on page 353 to indicate branch sizes & locations!

Material options listed on next page!

Customize your Straight Reducing Manifolds! We offer a variety of options!



See the template on page 353 for details!

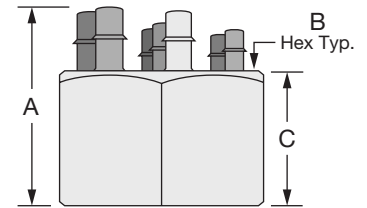


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1/2 NPT Female Thread to Tube Manifolds with 8 Branches

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

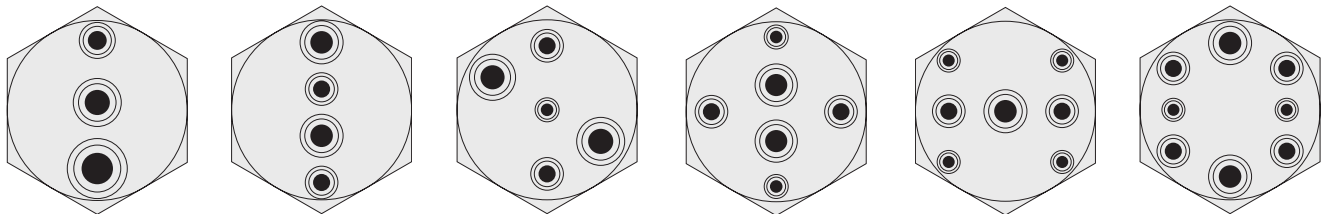
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
3/32	2 1/2	29/32	15/16	11/16
1/8	3	1	15/16	11/16



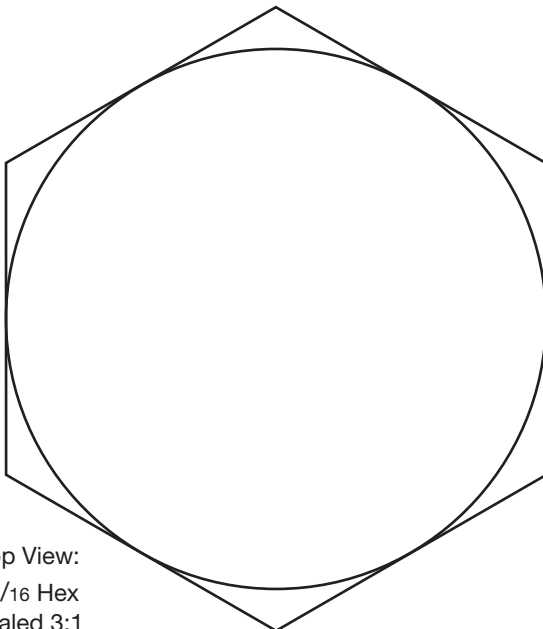
Unless otherwise specified, parts will be Brass. For other materials, add the following codes to the part number:
-SS = Stainless Steel 303 **-316SS** = Stainless Steel 316 **-NP** = Electroless Nickel Plate

Use the template below to indicate 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



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) = _____

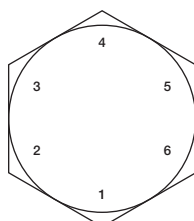
2nd Branch (2) = _____ 6th Branch (6) = _____

3rd Branch (3) = _____ 7th Branch (7) = _____

4th Branch (4) = _____ 8th Branch (8) = _____

*Part numbers will vary depending on branch configuration

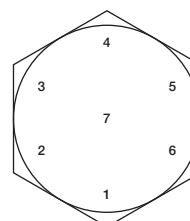
Examples:



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)



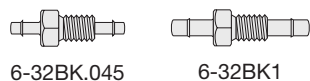
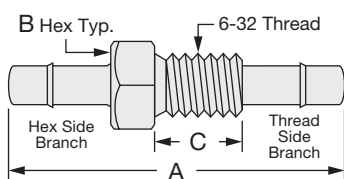
Branch Numbers:

1st Branch (1) = 5	5th Branch (5) = 4
2nd Branch (2) = 5	6th Branch (6) = 2
3rd Branch (3) = 4	7th Branch (7) = 3 1/2
4th Branch (4) = 2	8th Branch (8) = n/a

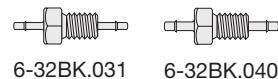
Two #5 Branches (1st, 2nd) Two #4 Branches (3rd, 5th)
 Two #2 Branches (4th, 6th) One #3 1/2 Branches (7th)

6-32 In-line Bulkheads & Reducing Bulkheads with Lockwasher & Nut

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Branches with smaller
Tube ID's also available!

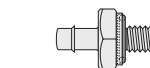
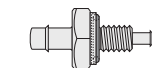
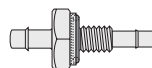
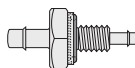
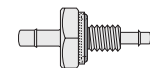
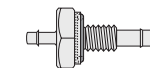
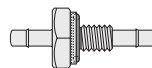
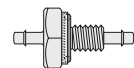


Consult factory for details!

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	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	6-32RBK2-.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	6-32RBK2 1/2-.045	6-32RBK2 1/2-.045-SS	6-32RBK2 1/2-.045-316SS	6-32RBK2 1/2-.045-AL	6-32RBK2 1/2-.045-NP	21/32	3/16	3/16
3/32	1/16	6-32RBK2 1/2-1	6-32RBK2 1/2-1-SS	6-32RBK2 1/2-1-316SS	6-32RBK2 1/2-1-AL	6-32RBK2 1/2-1-NP	23/32	3/16	3/16

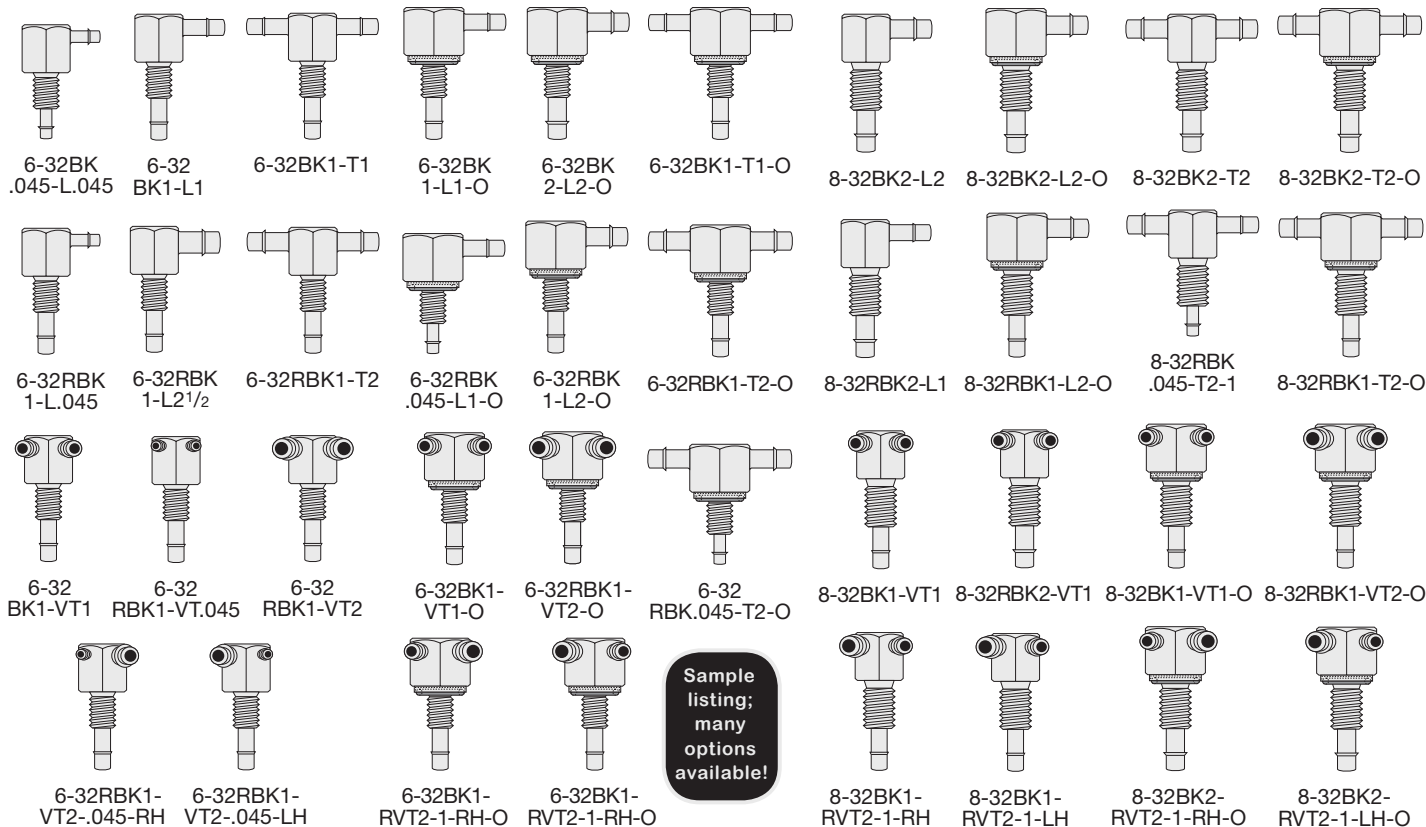
O-Ring options available. Lead times apply. Pricing is dependent on quantity.

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!



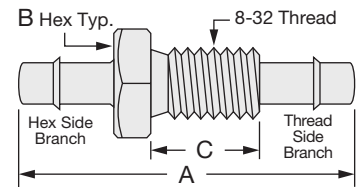
PLEASE NOTE: the drawings in this section have been altered (rotated 180°) compared to the previous catalog!

O-Ring options on page 65!

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8-32 In-line Bulkheads & Reducing Bulkheads with Lockwasher & Nut

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	2 1/32	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	8-32RBK2 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	8-32RBK2 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	8-32RBK2 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	8-32RBK3 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	8-32RBK3 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	8-32RBK3 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	8-32RBK3 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



8-32BK.045 8-32BK1



8-32BK2 8-32BK2 1/2



8-32RBK.045-1 8-32RBK.045-2



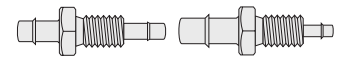
8-32RBK1-.045 8-32RBK1-2 1/2



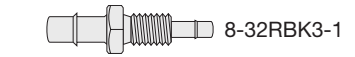
8-32RBK2-.045 8-32RBK2-1



8-32RBK2 1/2-.045 8-32RBK2 1/2-1



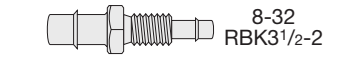
8-32RBK3-.045 8-32RBK3-1



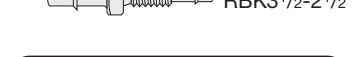
8-32RBK3 1/2-.045 8-32RBK3 1/2-1



8-32RBK3 1/2-2 8-32RBK3 1/2-2 1/2



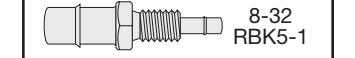
8-32RBK3 1/2-2 1/2 8-32RBK3 1/2-2 1/2



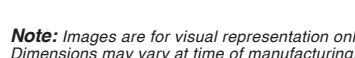
8-32RBK3 1/2-2 1/2 8-32RBK3 1/2-2 1/2



8-32RBK3 1/2-2 1/2 8-32RBK3 1/2-2 1/2

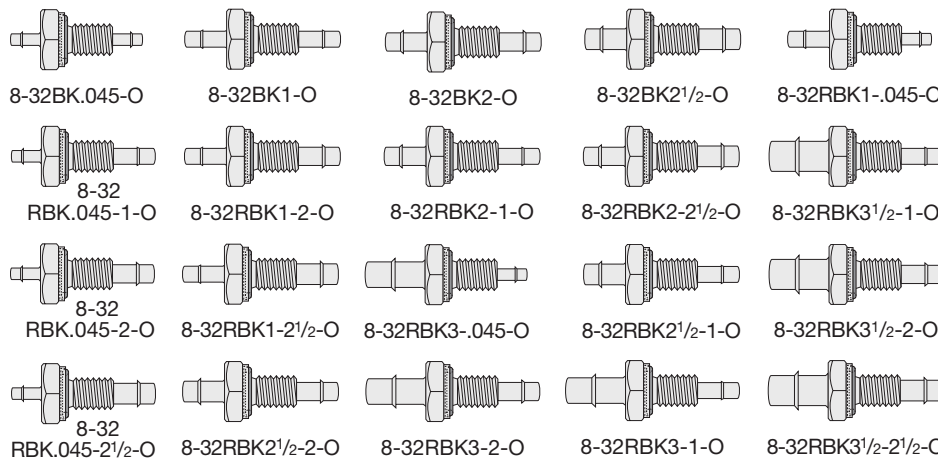


8-32RBK3 1/2-2 1/2 8-32RBK3 1/2-2 1/2



8-32RBK3 1/2-2 1/2 8-32RBK3 1/2-2 1/2

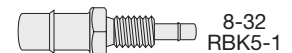
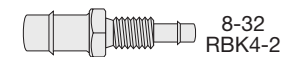
O-Ring options available. Lead times apply. Pricing is dependent on quantity.



Sample listing!

O-Ring material options are listed on page 65!

Many options available!

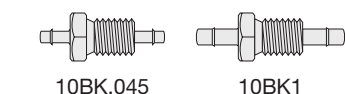
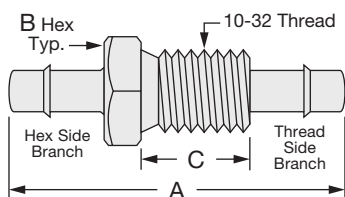
Larger Hex Side Branches available!
Consult factory for details!

* Sample listing; many options available! *

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

10-32 In-line Bulkheads & Reducing Bulkheads with Lockwasher & Nut

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10BK.045

10BK1



10BK2

10BK2^{1/2}

10RBK.045-1

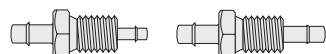
10RBK.045-2

10RBK.045-2^{1/2}

10RBK1-.045

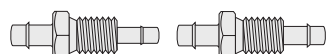
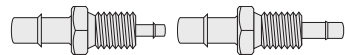


10RBK1-2

10RBK1-2^{1/2}

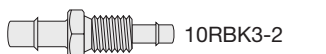
10RBK2-.045

10RBK2-1

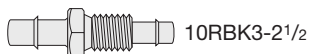
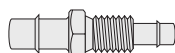
10RBK2-2^{1/2}10RBK2^{1/2}-.04510RBK2^{1/2}-110RBK2^{1/2}-2

10RBK3-.045

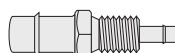
10RBK3-1



10RBK3-2

10RBK3^{1/2}-.04510RBK3^{1/2}-110RBK3^{1/2}-210RBK3^{1/2}-2^{1/2}

10RBK4-.045



10RBK4-1



10RBK4-2

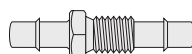
10RBK4-2^{1/2}

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.
3/64	3/64	10BK.045	10BK.045-SS	10BK.045-316SS	10BK.045-AL	10BK.045-NP	2 ¹ / ₃₂	1/4	1/4
1/16	1/16	10BK1	10BK1-SS	10BK1-316SS	10BK1-AL	10BK1-NP	2 ⁵ / ₃₂	1/4	1/4
5/64 / 2mm	5/64 / 2mm	10BK2	10BK2-SS	10BK2-316SS	10BK2-AL	10BK2-NP	2 ⁵ / 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	2 ⁵ / 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	2 ⁵ / 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	2 ³ / 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	2 ³ / ₃₂	1/4	1/4
1/16	3/64	10RBK1-.045	10RBK1-.045-SS	10RBK1-.045-316SS	10RBK1-.045-AL	10RBK1-.045-NP	2 ³ / ₃₂	1/4	1/4
1/16	5/64 / 2mm	10RBK1-2	10RBK1-2-SS	10RBK1-2-316SS	10RBK1-2-AL	10RBK1-2-NP	2 ⁵ / 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	2 ⁵ / ₃₂	1/4	1/4
5/64 / 2mm	3/64	10RBK2-.045	10RBK2-.045-SS	10RBK2-.045-316SS	10RBK2-.045-AL	10RBK2-.045-NP	2 ³ / ₃₂	1/4	1/4
5/64 / 2mm	1/16	10RBK2-1	10RBK2-1-SS	10RBK2-1-316SS	10RBK2-1-AL	10RBK2-1-NP	2 ⁵ / 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	2 ⁵ / 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	2 ³ / 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	2 ⁵ / 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	2 ⁵ / ₃₂	1/4	1/4
1/8	3/64	10RBK3-.045	10RBK3-.045-SS	10RBK3-.045-316SS	10RBK3-.045-AL	10RBK3-.045-NP	1 ³ / 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	1 ³ / 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	2 ⁷ / ₃₂	1/4	1/4
.170	1/16	10RBK4-1	10RBK4-1-SS	10RBK4-1-316SS	10RBK4-1-AL	10RBK4-1-NP	5 ⁷ / ₆₄	1/4	1/4
.170	5/64 / 2mm	10RBK4-2	10RBK4-2-SS	10RBK4-2-316SS	10RBK4-2-AL	10RBK4-2-NP	5 ⁷ / 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	5 ⁷ / ₆₄	1/4	1/4

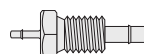
Note: Images are for visual representation only. Dimensions may vary at time of manufacturing. Consult factory for details!

Note: the drawings in this section have been altered (rotated 180°) from the previous catalog to more accurately represent the part numbers.

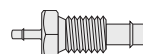
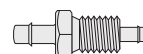
Other branch sizes are available! Consult factory for details!



10BK3



10RBK.031-1

10RBK.040-2¹/₂

10RBK2-.050

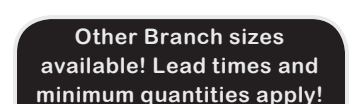
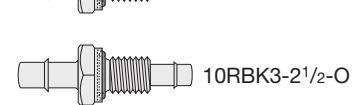
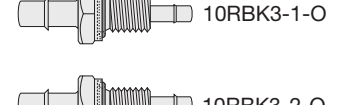
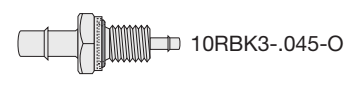
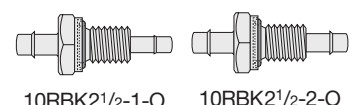
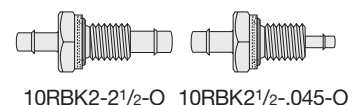
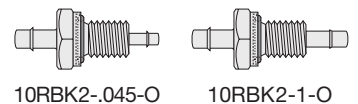
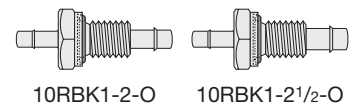
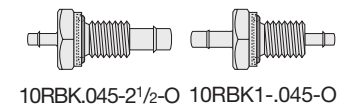
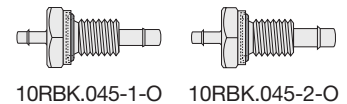
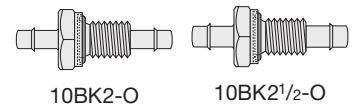
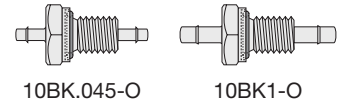
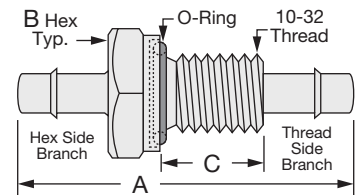


10RBK5-2

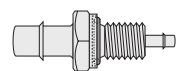
• Sample listing; many options available! •

653 10-32 In-line Bulkheads & Reducing Bulkheads with Lockwasher & Nut and O-Ring Installed

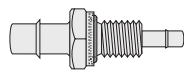
Tube ID		Part Numbers					Dimensions (Reference)		
Hex Side Branch	Thread Side Branch	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
3/64	3/64	10BK.045-O	10BK.045-O-SS	10BK.045-O-316SS	10BK.045-O-AL	10BK.045-O-NP	1 1/16	5/16	1/4
1/16	1/16	10BK1-O	10BK1-O-SS	10BK1-O-316SS	10BK1-O-AL	10BK1-O-NP	1 3/16	5/16	1/4
5/64 / 2mm	5/64 / 2mm	10BK2-O	10BK2-O-SS	10BK2-O-316SS	10BK2-O-AL	10BK2-O-NP	1 3/16	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	1 3/16	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	1 3/16	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	1 3/16	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	1 3/16	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	1 3/16	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	1 3/16	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	1 3/16	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	2 7/32	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	2 9/32	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	2 9/32	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	2 9/32	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	2 7/32	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	2 9/32	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	2 9/32	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	2 9/32	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	1 5/16	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	1 5/16	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	1 5/16	5/16	1/4

**Z**

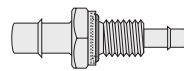
**O-Ring
material
options
listed on
page 65.**



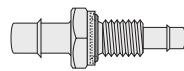
10RBK3 1/2-.045-O



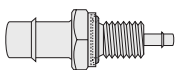
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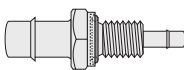
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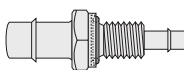
10RBK3 1/2-2 1/2-O



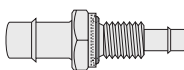
10RBK4-.045-O



10RBK4-1-O



10RBK4-2-O



10RBK4-2 1/2-O

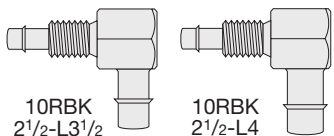
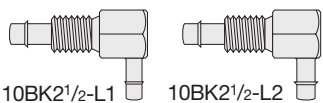
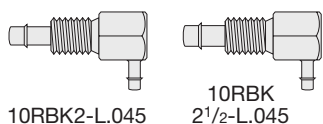
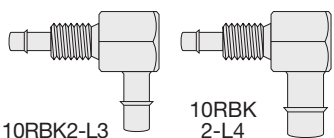
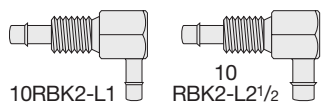
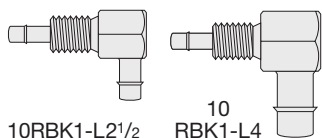
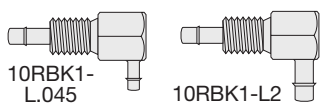
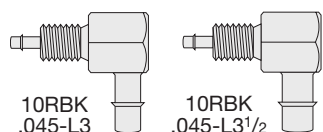
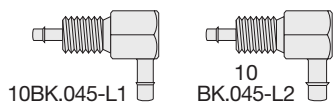
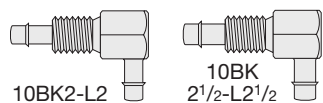
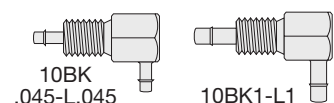
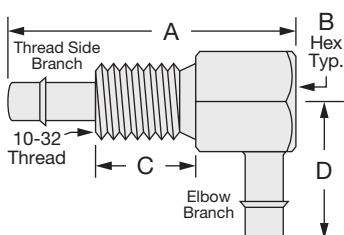
**Other Branch sizes
available! Lead times and
minimum quantities apply!
Consult factory for details!**

Note: the drawings in this section have been altered (rotated 180°) from the previous catalog to more accurately represent the part numbers. Consult factory for more information.

Note: Images are for visual representation only. Dimensions may vary at time of manufacturing.

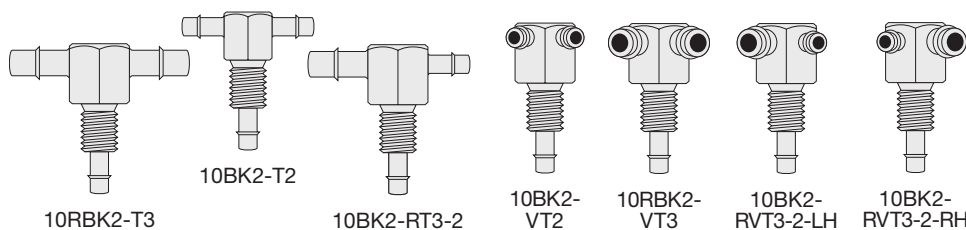
10-32 Elbow Bulkheads & Reducing Bulkheads with Lockwasher & Nut

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	2 1/32	1/4	1/4	1 1/32
1/16	1/16	10BK1-L1	10BK1-L1-SS	10BK1-L1-316SS	10BK1-L1-NP	2 3/32	1/4	1/4	1 1/32
5/64 / 2mm	5/64 / 2mm	10BK2-L2	10BK2-L2-SS	10BK2-L2-316SS	10BK2-L2-NP	2 3/32	1/4	1/4	1 1/32
3/32	3/32	10BBK 2 1/2-L2 1/2	10BK2 1/2-L2 1/2-SS	10BK2 1/2-L2 1/2-316SS	10BK2 1/2-L2 1/2-NP	2 3/32	1/4	1/4	1 1/32
3/64	1/16	10RBK.045-L1	10RBK.045-L1-SS	10RBK.045-L1-316SS	10RBK.045-L1-NP	2 1/32	1/4	1/4	1 1/32
3/64	5/64 / 2mm	10RBK.045-L2	10RBK.045-L2-SS	10RBK.045-L2-316SS	10RBK.045-L2-NP	2 1/32	1/4	1/4	1 1/32
3/64	3/32	10RBK.045-L2 1/2	10RBK.045-L2 1/2-SS	10RBK.045-L2 1/2-316SS	10RBK.045-L2 1/2-NP	2 1/32	1/4	1/4	1 1/32
3/64	1/8	10RBK.045-L3	10RBK.045-L3-SS	10RBK.045-L3-316SS	10RBK.045-L3-NP	2 5/32	5/16	1/4	1 5/32
3/64	5/32 / 4mm	10RBK.045-L3 1/2	10RBK.045-L3 1/2-SS	10RBK.045-L3 1/2-316SS	10RBK.045-L3 1/2-NP	2 5/32	5/16	1/4	1 5/32
3/64	.170	10RBK.045-L4	10RBK.045-L4-SS	10RBK.045-L4-316SS	10RBK.045-L4-NP	2 5/32	5/16	1/4	1 1/2
1/16	3/64	10RBK1-L.045	10RBK1-L.045-SS	10RBK1-L.045-316SS	10RBK1-L.045-NP	2 3/32	1/4	1/4	1 1/32
1/16	5/64 / 2mm	10RBK1-L2	10RBK1-L2-SS	10RBK1-L2-316SS	10RBK1-L2-NP	2 3/32	1/4	1/4	1 1/32
1/16	3/32	10RBK1-L2 1/2	10RBK1-L2 1/2-SS	10RBK1-L2 1/2-316SS	10RBK1-L2 1/2-NP	2 3/32	1/4	1/4	1 1/32
3/64	1/8	10RBK1-L3	10RBK1-L3-SS	10RBK1-L3-316SS	10RBK1-L3-NP	2 5/32	5/16	1/4	1 5/32
3/64	5/32 / 4mm	10RBK1-L3 1/2	10RBK1-L3 1/2-SS	10RBK1-L3 1/2-316SS	10RBK1-L3 1/2-NP	2 5/32	5/16	1/4	1 5/32
3/64	.170	10RBK1-L4	10RBK1-L4-SS	10RBK1-L4-316SS	10RBK1-L4-NP	2 5/32	5/16	1/4	1 1/2
5/64 / 2mm	3/64	10RBK2-L.045	10RBK2-L.045-SS	10RBK2-L.045-316SS	10RBK2-L.045-NP	2 3/32	1/4	1/4	1 1/32
5/64 / 2mm	1/16	10RBK2-L1	10RBK2-L1-SS	10RBK2-L1-316SS	10RBK2-L1-NP	2 3/32	1/4	1/4	1 1/32
5/64 / 2mm	3/32	10RBK2-L2 1/2	10RBK2-L2 1/2-SS	10RBK2-L2 1/2-316SS	10RBK2-L2 1/2-NP	2 3/32	1/4	1/4	1 1/32
3/64	1/8	10RBK2-L3	10RBK2-L3-SS	10RBK2-L3-316SS	10RBK2-L3-NP	2 5/32	5/16	1/4	1 5/32
3/64	5/32 / 4mm	10RBK2-L3 1/2	10RBK2-L3 1/2-SS	10RBK2-L3 1/2-316SS	10RBK2-L3 1/2-NP	2 5/32	5/16	1/4	1 5/32
3/64	.170	10RBK2-L4	10RBK2-L4-SS	10RBK2-L4-316SS	10RBK2-L4-NP	2 5/32	5/16	1/4	1 1/2
3/32	3/64	10RBK2 1/2-L.045	10RBK2 1/2-L.045-SS	10RBK2 1/2-L.045-316SS	10RBK2 1/2-L.045-NP	2 3/32	1/4	1/4	1 1/32
3/32	1/16	10RBK2 1/2-L1	10RBK2 1/2-L1-SS	10RBK2 1/2-L1-316SS	10RBK2 1/2-L1-NP	2 3/32	1/4	1/4	1 1/32
3/32	5/64 / 2mm	10RBK2 1/2-L2	10RBK2 1/2-L2-SS	10RBK2 1/2-L2-316SS	10RBK2 1/2-L2-NP	2 3/32	1/4	1/4	1 1/32
3/64	1/8	10RBK2 1/2-L3	10RBK2 1/2-L3-SS	10RBK2 1/2-L3-316SS	10RBK2 1/2-L3-NP	2 5/32	5/16	1/4	1 5/32
3/64	5/32 / 4mm	10RBK2 1/2-L3 1/2	10RBK2 1/2-L3 1/2-SS	10RBK2 1/2-L3 1/2-316SS	10RBK2 1/2-L3 1/2-NP	2 5/32	5/16	1/4	1 5/32
3/64	.170	10RBK2 1/2-L4	10RBK2 1/2-L4-SS	10RBK2 1/2-L4-316SS	10RBK2 1/2-L4-NP	2 5/32	5/16	1/4	1 1/2

10-32 Tee & V-Tee Bulkheads also available! Consult factory for details!

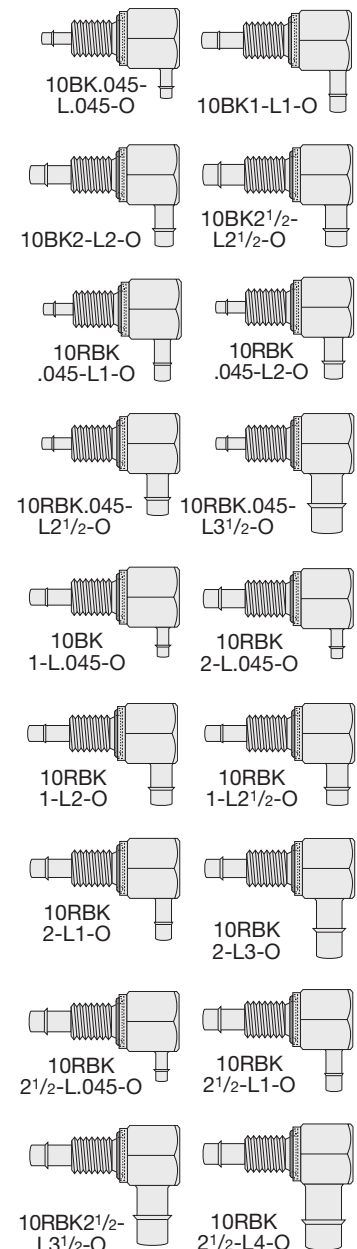
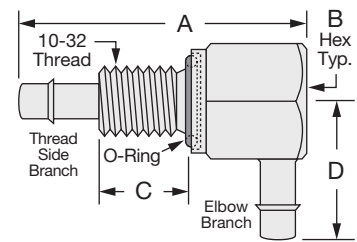


• Sample listing; many options available! •

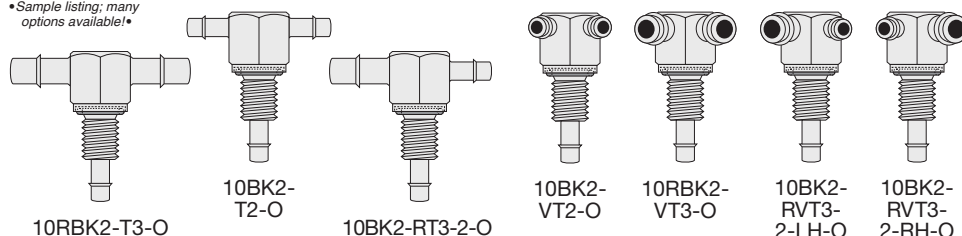
Note: Images are for visual representation only. Dimensions may vary at time of manufacturing.

655 10-32 Elbow Bulkheads & Reducing Bulkheads with Lockwasher & Nut and 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

**10-32 Tee & V-Tee Bulkheads also available! Consult factory for details!**

• Sample listing; many options available! •

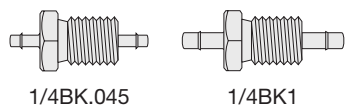
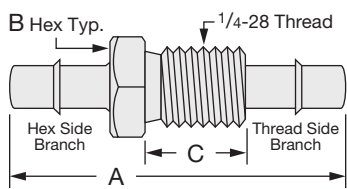


O-Ring material options listed on page 65!

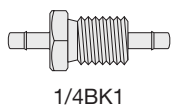
Other Elbow Branch sizes available! Consult factory for details!

1/4-28 In-line Bulkheads & Reducing Bulkheads with Lockwasher & Nut

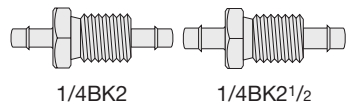
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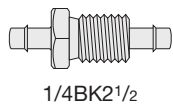
1/4BK.045



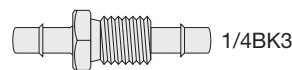
1/4BK1



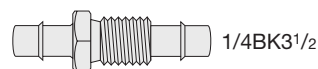
1/4BK2



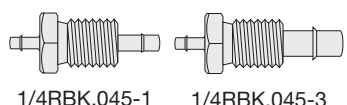
1/4BK2 1/2



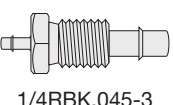
1/4BK3



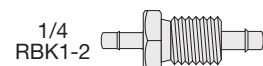
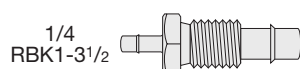
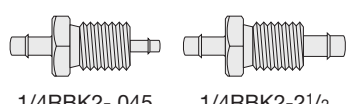
1/4BK3 1/2



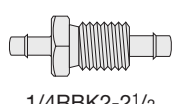
1/4RBK.045-1



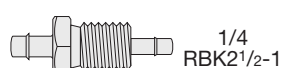
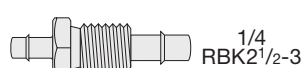
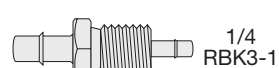
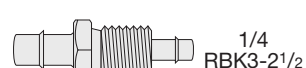
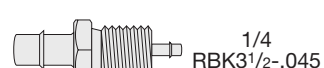
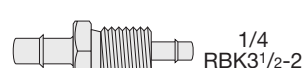
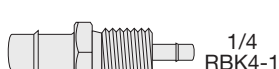
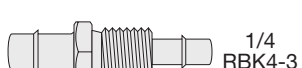
1/4RBK.045-3

1/4
RBK1-21/4
RBK1-3 1/2

1/4RBK2-.045



1/4RBK2-2 1/2

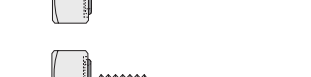
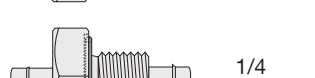
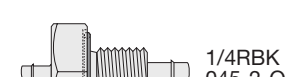
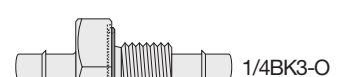
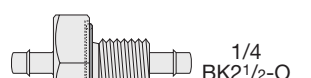
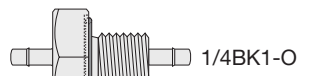
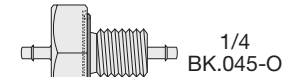
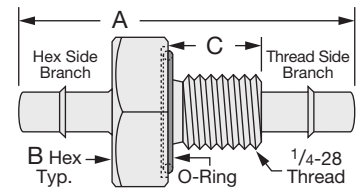
1/4
RBK2 1/2-11/4
RBK2 1/2-31/4
RBK3-11/4
RBK3-2 1/21/4
RBK3 1/2-.0451/4
RBK3 1/2-21/4
RBK4-11/4
RBK4-3

Note: the drawings in this section have been altered (rotated 180°) from the previous catalog.

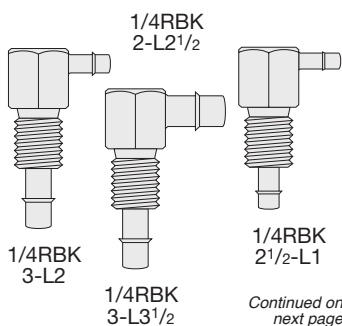
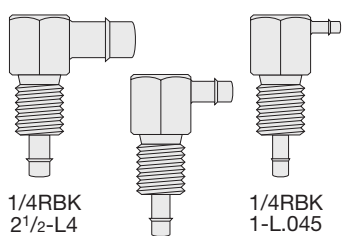
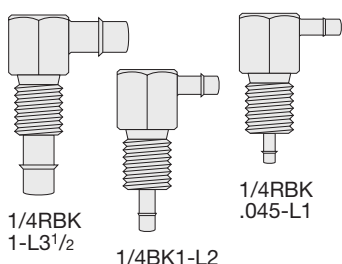
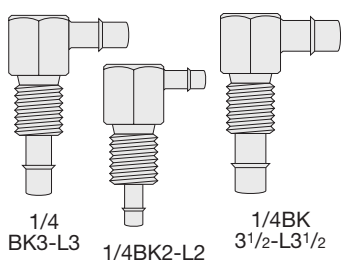
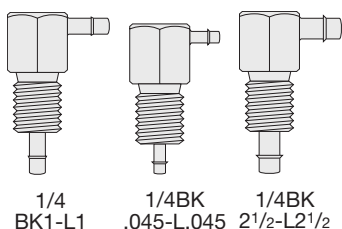
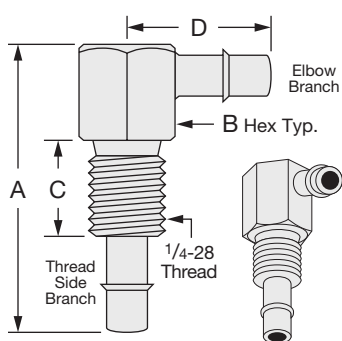
Tube ID		Part Numbers					Dimensions (Reference)		
Hex Side Branch	Thread Side Branch	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
3/64	3/64	1/4BK.045	1/4BK.045-SS	1/4BK.045-316SS	1/4BK.045-AL	1/4BK.045-NP	23/32	5/16	5/16
1/16	1/16	1/4BK1	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	1/4BK2 1/2	1/4BK2 1/2-SS	1/4BK2 1/2-316SS	1/4BK2 1/2-AL	1/4BK2 1/2-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	1/4BK3 1/2	1/4BK3 1/2-SS	1/4BK3 1/2-316SS	1/4BK3 1/2-AL	1/4BK3 1/2-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.045-2 1/2	1/4RBK.045-2 1/2-SS	1/4RBK.045-2 1/2-316SS	1/4RBK.045-2 1/2-AL	1/4RBK.045-2 1/2-NP	25/32	5/16	5/16
3/64	1/8	1/4RBK.045-3	1/4RBK.045-3-SS	1/4RBK.045-3-316SS	1/4RBK.045-3-AL	1/4RBK.045-3-NP	7/8	5/16	5/16
3/64	5/32 / 4mm	1/4RBK.045-3 1/2	1/4RBK.045-3 1/2-SS	1/4RBK.045-3 1/2-316SS	1/4RBK.045-3 1/2-AL	1/4RBK.045-3 1/2-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	1/4RBK1-2 1/2	1/4RBK1-2 1/2-SS	1/4RBK1-2 1/2-316SS	1/4RBK1-2 1/2-AL	1/4RBK1-2 1/2-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	1/4RBK1-3 1/2	1/4RBK1-3 1/2-SS	1/4RBK1-3 1/2-316SS	1/4RBK1-3 1/2-AL	1/4RBK1-3 1/2-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	1/4RBK2-2 1/2	1/4RBK2-2 1/2-SS	1/4RBK2-2 1/2-316SS	1/4RBK2-2 1/2-AL	1/4RBK2-2 1/2-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	1/4RBK2-3 1/2	1/4RBK2-3 1/2-SS	1/4RBK2-3 1/2-316SS	1/4RBK2-3 1/2-AL	1/4RBK2-3 1/2-NP	15/16	5/16	5/16
3/32	3/64	1/4RBK2 1/2-.045	1/4RBK2 1/2-.045-SS	1/4RBK2 1/2-.045-316SS	1/4RBK2 1/2-.045-AL	1/4RBK2 1/2-.045-NP	25/32	5/16	5/16
3/32	1/16	1/4RBK2 1/2-1	1/4RBK2 1/2-1-SS	1/4RBK2 1/2-1-316SS	1/4RBK2 1/2-1-AL	1/4RBK2 1/2-1-NP	27/32	5/16	5/16
3/32	5/64 / 2mm	1/4RBK2 1/2-2	1/4RBK2 1/2-2-SS	1/4RBK2 1/2-2-316SS	1/4RBK2 1/2-2-AL	1/4RBK2 1/2-2-NP	27/32	5/16	5/16
3/32	1/8	1/4RBK2 1/2-3	1/4RBK2 1/2-3-SS	1/4RBK2 1/2-3-316SS	1/4RBK2 1/2-3-AL	1/4RBK2 1/2-3-NP	15/16	5/16	5/16
3/32	5/32 / 4mm	1/4RBK2 1/2-3 1/2	1/4RBK2 1/2-3 1/2-SS	1/4RBK2 1/2-3 1/2-316SS	1/4RBK2 1/2-3 1/2-AL	1/4RBK2 1/2-3 1/2-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	1/4RBK3-2 1/2	1/4RBK3-2 1/2-SS	1/4RBK3-2 1/2-316SS	1/4RBK3-2 1/2-AL	1/4RBK3-2 1/2-NP	15/16	5/16	5/16
1/8	5/32 / 4mm	1/4RBK3-3 1/2	1/4RBK3-3 1/2-SS	1/4RBK3-3 1/2-316SS	1/4RBK3-3 1/2-AL	1/4RBK3-3 1/2-NP	1 1/32	5/16	5/16
5/32 / 4mm	3/64	1/4RBK3 1/2-.045	1/4RBK3 1/2-.045-SS	1/4RBK3 1/2-.045-316SS	1/4RBK3 1/2-.045-AL	1/4RBK3 1/2-.045-NP	7/8	5/16	5/16
5/32 / 4mm	1/16	1/4RBK3 1/2-1	1/4RBK3 1/2-1-SS	1/4RBK3 1/2-1-316SS	1/4RBK3 1/2-1-AL	1/4RBK3 1/2-1-NP	15/16	5/16	5/16
5/32 / 4mm	5/64 / 2mm	1/4RBK3 1/2-2	1/4RBK3 1/2-2-SS	1/4RBK3 1/2-2-316SS	1/4RBK3 1/2-2-AL	1/4RBK3 1/2-2-NP	15/16	5/16	5/16
5/32 / 4mm	3/32	1/4RBK3 1/2-2 1/2	1/4RBK3 1/2-2 1/2-SS	1/4RBK3 1/2-2 1/2-316SS	1/4RBK3 1/2-2 1/2-AL	1/4RBK3 1/2-2 1/2-NP	15/16	5/16	5/16
5/32 / 4mm	1/8	1/4RBK3 1/2-3	1/4RBK3 1/2-3-SS	1/4RBK3 1/2-3-316SS	1/4RBK3 1/2-3-AL	1/4RBK3 1/2-3-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	1/4RBK4-2 1/2	1/4RBK4-2 1/2-SS	1/4RBK4-2 1/2-316SS	1/4RBK4-2 1/2-AL	1/4RBK4-2 1/2-NP	31/32	5/16	5/16
.170	1/8	1/4RBK4-3	1/4RBK4-3-SS	1/4RBK4-3-316SS	1/4RBK4-3-AL	1/4RBK4-3-NP	1 1/16	5/16	5/16
.170	5/32 / 4mm	1/4RBK4-3 1/2	1/4RBK4-3 1/2-SS	1/4RBK4-3 1/2-316SS	1/4RBK4-3 1/2-AL	1/4RBK4-3 1/2-NP	1 1/16	5/16	5/16

657 1/4-28 In-line Bulkheads & Reducing Bulkheads with Lockwasher & Nut and 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-O-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-O	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 1/32	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 1/32	1/2	5/16



O-Rings material options
are listed on page 65!

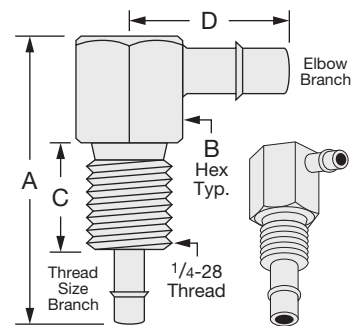
1/4-28 Elbow Bulkhead & Reducing Bulkhead Fittings with Lockwasher & Nut**658**Continued on
next page

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 Typ
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-L2-NP	27/32	5/16	5/16	5/8
3/32	3/32	1/4BK2 1/2-L2 1/2	1/4BK2 1/2-L2 1/2-SS	1/4BK2 1/2-L2 1/2-316SS	1/4BK2 1/2-L2 1/2-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	1/4BK3 1/2-L3 1/2	1/4BK3 1/2-L3 1/2-SS	1/4BK3 1/2-L3 1/2-316SS	1/4BK3 1/2-L3 1/2-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-L2 1/2	1/4RBK.045-L2 1/2-SS	1/4RBK.045-L2 1/2-316SS	1/4RBK.045-L2 1/2-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-L3 1/2	1/4RBK.045-L3 1/2-SS	1/4RBK.045-L3 1/2-316SS	1/4RBK.045-L3 1/2-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-L2 1/2	1/4RBK1-L2 1/2-SS	1/4RBK1-L2 1/2-316SS	1/4RBK1-L2 1/2-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-L3 1/2	1/4RBK1-L3 1/2-SS	1/4RBK1-L3 1/2-316SS	1/4RBK1-L3 1/2-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-L2 1/2	1/4RBK2-L2 1/2-SS	1/4RBK2-L2 1/2-316SS	1/4RBK2-L2 1/2-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-L3 1/2	1/4RBK2-L3 1/2-SS	1/4RBK2-L3 1/2-316SS	1/4RBK2-L3 1/2-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	1/4RBK2 1/2-L.045	1/4RBK2 1/2-L.045-SS	1/4RBK2 1/2-L.045-316SS	1/4RBK2 1/2-L.045-NP	15/16	5/16	5/16	5/16
3/32	1/16	1/4RBK2 1/2-L1	1/4RBK2 1/2-L1-SS	1/4RBK2 1/2-L1-316SS	1/4RBK2 1/2-L1-NP	15/16	5/16	5/16	5/8
3/32	5/64 / 2mm	1/4RBK2 1/2-L2	1/4RBK2 1/2-L2-SS	1/4RBK2 1/2-L2-316SS	1/4RBK2 1/2-L2-NP	15/16	5/16	5/16	5/8
3/32	1/8	1/4RBK2 1/2-L3	1/4RBK2 1/2-L3-SS	1/4RBK2 1/2-L3-316SS	1/4RBK2 1/2-L3-NP	15/16	5/16	5/16	5/8
3/32	5/32 / 4mm	1/4RBK2 1/2-L3 1/2	1/4RBK2 1/2-L3 1/2-SS	1/4RBK2 1/2-L3 1/2-316SS	1/4RBK2 1/2-L3 1/2-NP	15/16	5/16	5/16	15/32
3/32	5/32 / 4mm	1/4RBK2 1/2-L4	1/4RBK2 1/2-L4-SS	1/4RBK2 1/2-L4-316SS	1/4RBK2 1/2-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-L2 1/2	1/4RBK3-L2 1/2-SS	1/4RBK3-L2 1/2-316SS	1/4RBK3-L2 1/2-NP	15/16	5/16	5/16	5/8
1/8	5/32 / 4mm	1/4RBK3-L3 1/2	1/4RBK3-L3 1/2-SS	1/4RBK3-L3 1/2-316SS	1/4RBK3-L3 1/2-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

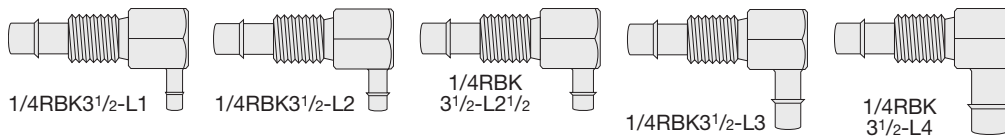
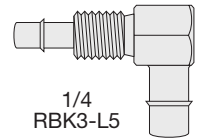
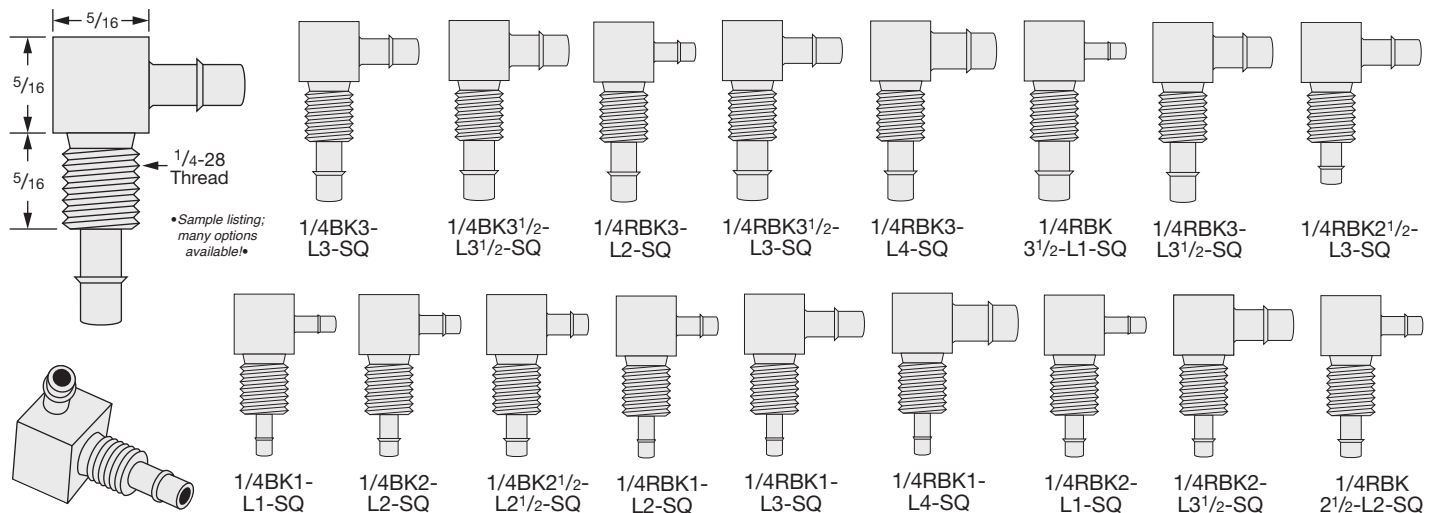
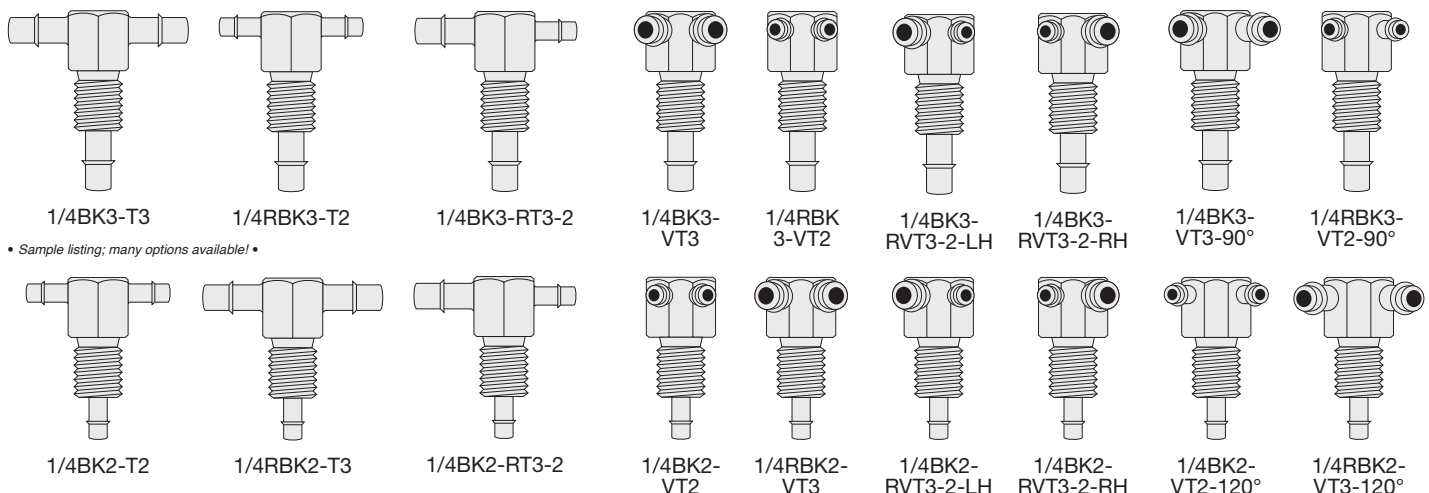
Note:
Dimensions may vary at time of manufacturing.

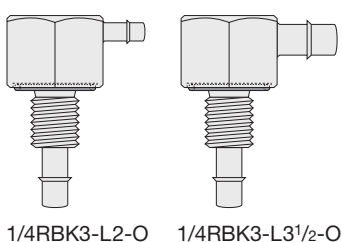
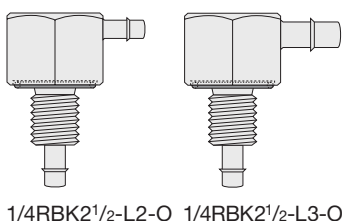
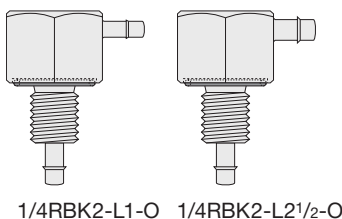
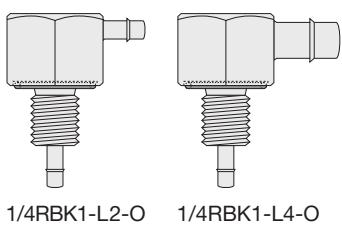
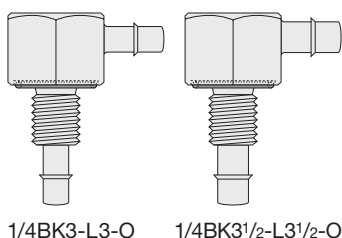
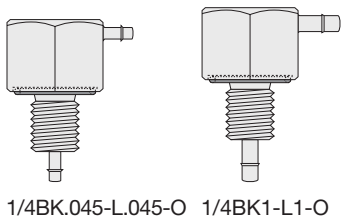
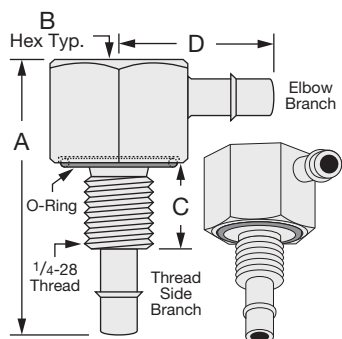
659 1/4-28 Elbow Bulkhead & Reducing Bulkhead Fittings with Lockwasher & Nut (cont.)

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 Typ.
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!


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!


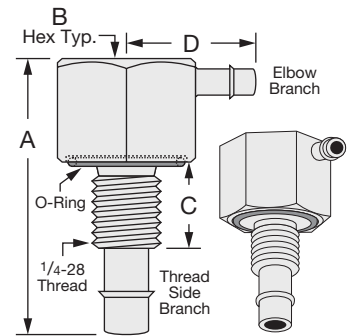
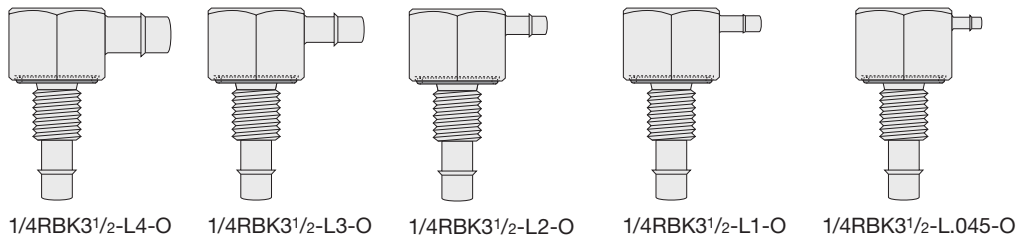
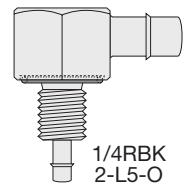
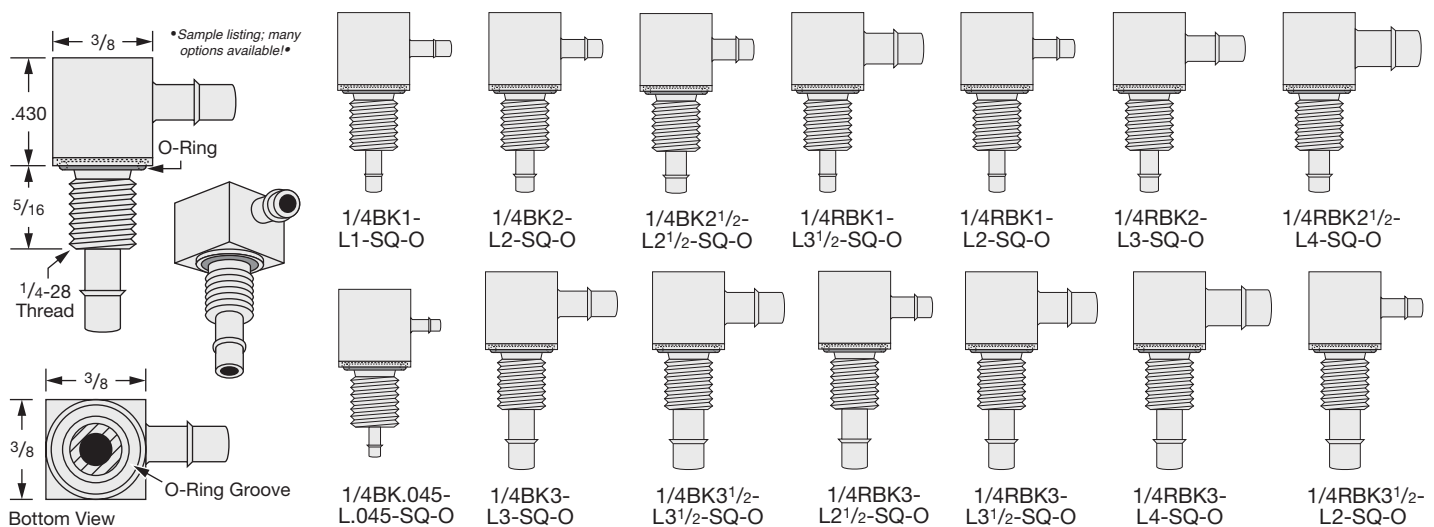
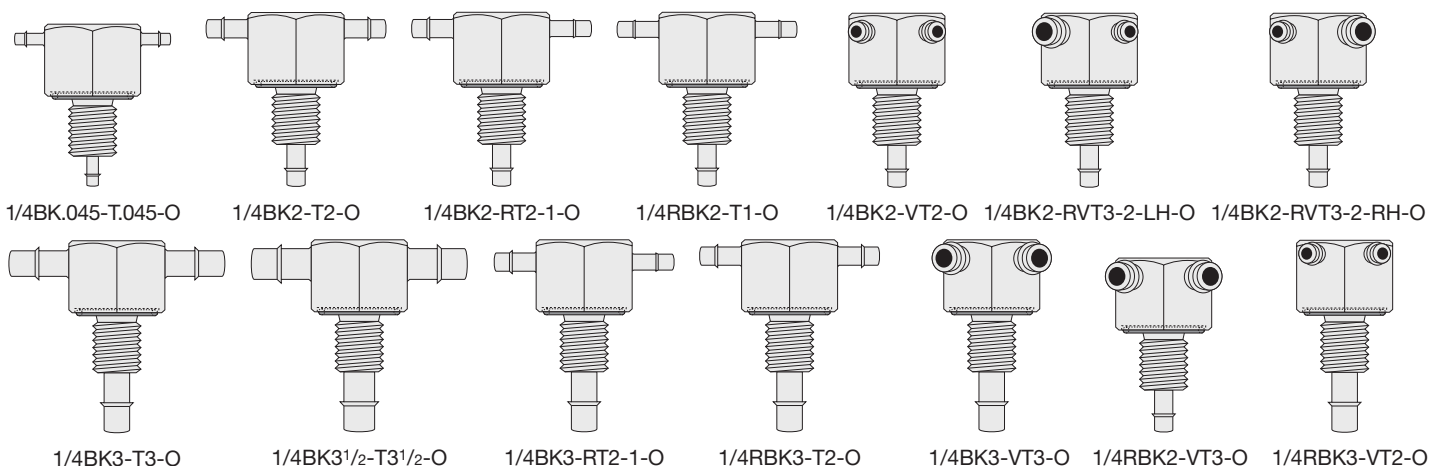
1/4-28 Elbow Bulkhead & Reducing Bulkhead Fittings with Lockwasher & Nut**660**

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 Typ
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	1/4BK2 1/2-L2 1/2-O	1/4BK2 1/2-L2 1/2-O-SS	1/4BK2 1/2-L2 1/2-O-316SS	1/4BK2 1/2-L2 1/2-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	31/32	1/2	5/16	9/16
5/32 / 4mm	5/32 / 4mm	1/4BK3 1/2-L3 1/2-O	1/4BK3 1/2-L3 1/2-O-SS	1/4BK3 1/2-L3 1/2-O-316SS	1/4BK3 1/2-L3 1/2-O-NP	31/32	11/2	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-L2 1/2-O	1/4RBK.045-L2 1/2-O-SS	1/4RBK.045-L2 1/2-O-316SS	1/4RBK.045-L2 1/2-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-L3 1/2-O	1/4RBK.045-L3 1/2-O-SS	1/4RBK.045-L3 1/2-O-316SS	1/4RBK.045-L3 1/2-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-L2 1/2-O	1/4RBK1-L2 1/2-O-SS	1/4RBK1-L2 1/2-O-316SS	1/4RBK1-L2 1/2-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-L3 1/2-O	1/4RBK1-L3 1/2-O-SS	1/4RBK1-L3 1/2-O-316SS	1/4RBK1-L3 1/2-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-L2 1/2-O	1/4RBK2-L2 1/2-O-SS	1/4RBK2-L2 1/2-O-316SS	1/4RBK2-L2 1/2-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-L3 1/2-O	1/4RBK2-L3 1/2-O-SS	1/4RBK2-L3 1/2-O-316SS	1/4RBK2-L3 1/2-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	1/4RBK2 1/2-L.045-O	1/4RBK2 1/2-L.045-O-SS	1/4RBK2 1/2-L.045-O-316SS	1/4RBK2 1/2-L.045-O-NP	7/8	1/2	5/16	13/32
3/32	1/16	1/4RBK2 1/2-L1-O	1/4RBK2 1/2-L1-O-SS	1/4RBK2 1/2-L1-O-316SS	1/4RBK2 1/2-L1-O-NP	7/8	1/2	5/16	15/32
3/32	5/64 / 2mm	1/4RBK2 1/2-L2-O	1/4RBK2 1/2-L2-O-SS	1/4RBK2 1/2-L2-O-316SS	1/4RBK2 1/2-L2-O-NP	7/8	1/2	5/16	15/32
3/32	1/8	1/4RBK2 1/2-L3-O	1/4RBK2 1/2-L3-O-SS	1/4RBK2 1/2-L3-O-316SS	1/4RBK2 1/2-L3-O-NP	7/8	1/2	5/16	15/32
3/32	5/32 / 4mm	1/4RBK2 1/2-L3 1/2-O	1/4RBK2 1/2-L3 1/2-O-SS	1/4RBK2 1/2-L3 1/2-O-316SS	1/4RBK2 1/2-L3 1/2-O-NP	7/8	1/2	5/16	1/2
3/32	5/32 / 4mm	1/4RBK2 1/2-L4-O	1/4RBK2 1/2-L4-O-SS	1/4RBK2 1/2-L4-O-316SS	1/4RBK2 1/2-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	31/32	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	31/32	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	31/32	1/2	5/16	15/32
1/8	3/32	1/4RBK3-L2 1/2-O	1/4RBK3-L2 1/2-O-SS	1/4RBK3-L2 1/2-O-316SS	1/4RBK3-L2 1/2-O-NP	31/32	1/2	5/16	9/16
1/8	5/32 / 4mm	1/4RBK3-L3 1/2-O	1/4RBK3-L3 1/2-O-SS	1/4RBK3-L3 1/2-O-316SS	1/4RBK3-L3 1/2-O-NP	31/32	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	31/32	1/2	5/16	19/32

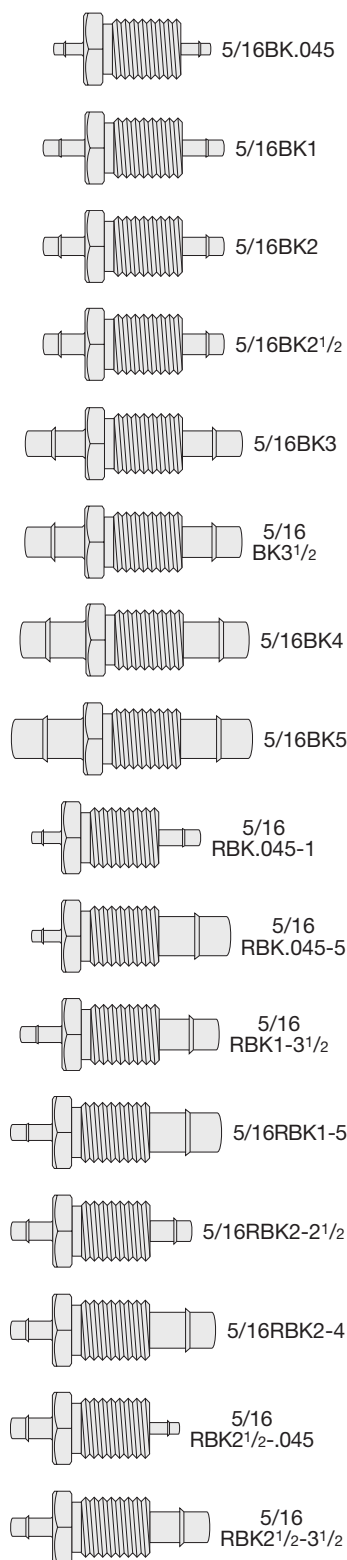
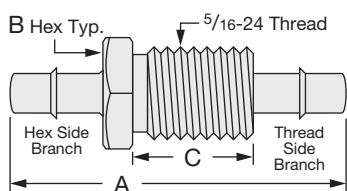
661 1/4-28 Elbow Reducing Bulkhead Fittings with Lockwasher & Nut and O-Ring (cont.)

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 Typ.
5/32 / 4mm	3/64	1/4RBK31/2-L.045-O	1/4RBK31/2-L.045-O-SS	1/4RBK31/2-L.045-O-316SS	1/4RBK31/2-L.045-O-NP	3 1/32	1/2	5/16	13/32
5/32 / 4mm	1/16	1/4RBK31/2-L1-O	1/4RBK31/2-L1-O-SS	1/4RBK31/2-L1-O-316SS	1/4RBK31/2-L1-O-NP	3 1/32	1/2	5/16	15/32
5/32 / 4mm	5/64 / 2mm	1/4RBK31/2-L2-O	1/4RBK31/2-L2-O-SS	1/4RBK31/2-L2-O-316SS	1/4RBK31/2-L2-O-NP	3 1/32	1/2	5/16	15/32
5/32 / 4mm	3/32	1/4RBK31/2-L2 1/2-O	1/4RBK31/2-L2 1/2-O-SS	1/4RBK31/2-L2 1/2-O-316SS	1/4RBK31/2-L2 1/2-O-NP	3 1/32	1/2	5/16	9/16
5/32 / 4mm	5/32 / 4mm	1/4RBK31/2-L3-O	1/4RBK31/2-L3-O-SS	1/4RBK31/2-L3-O-316SS	1/4RBK31/2-L3-O-NP	3 1/32	1/2	5/16	9/16
5/32 / 4mm	.170	1/4RBK31/2-L4-O	1/4RBK31/2-L4-O-SS	1/4RBK31/2-L4-O-316SS	1/4RBK31/2-L4-O-NP	3 1/32	1/2	5/16	19/32


O-Ring options listed on page 65!

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!

1/4-28 Thread Tee & V-Tee Bulkheads with O-Rings also available! Consult factory for details & specifications!


5/16-24 In-line Bulkheads & Reducing Bulkhead Fittings with Lockwasher & Nut

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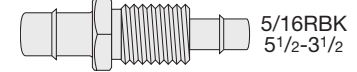
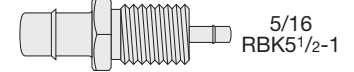
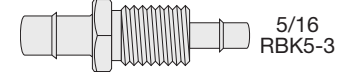
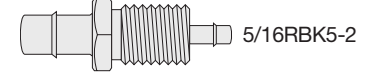
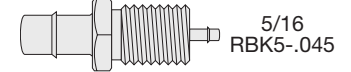
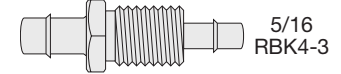
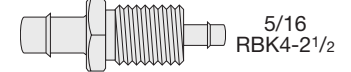
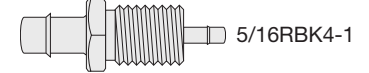
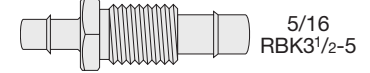
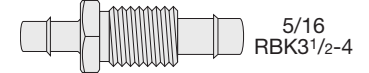
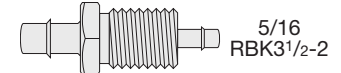
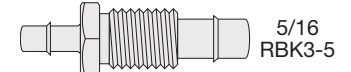
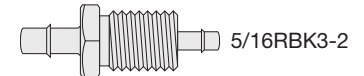
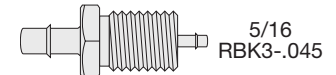
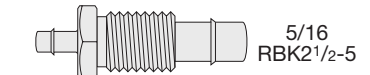
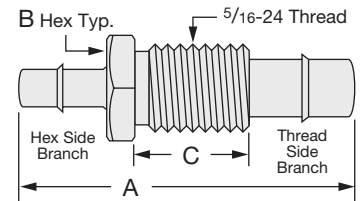
Continued on next page

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	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	5/16BK2 1/2	5/16BK2 1/2-SS	5/16BK2 1/2- 316SS	5/16BK2 1/2-AL	5/16BK2 1/2- 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	5/16BK3 1/2	5/16BK3 1/2-SS	5/16BK3 1/2- 316SS	5/16BK3 1/2-AL	5/16BK3 1/2- 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. .045-2 1/2	5/16RBK.045- 2 1/2-SS	5/16RBK.045- 2 1/2-316SS	5/16RBK.045- 2 1/2-AL	5/16RBK.045- 2 1/2-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. .045-3 1/2	5/16RBK.045- 3 1/2-SS	5/16RBK.045- 3 1/2-316SS	5/16RBK.045- 3 1/2-AL	5/16RBK.045- 3 1/2-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- 2 1/2	5/16RBK1- 2 1/2-SS	5/16RBK1-2 1/2- 316SS	5/16RBK1- 2 1/2-AL	5/16RBK1- 2 1/2-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- 3 1/2	5/16RBK1- 3 1/2-SS	5/16RBK1-3 1/2- 316SS	5/16RBK1- 3 1/2-AL	5/16RBK1- 3 1/2-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	5/16RBK2- 1 1/2	5/16RBK2 1/2- 2-SS	5/16RBK2 1/2-2- 316SS	5/16RBK2 1/2- 2-AL	5/16RBK2 1/2- 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- 3 1/2	5/16RBK2- 3 1/2-SS	5/16RBK2-3 1/2- 316SS	5/16RBK2- 3 1/2-AL	5/16RBK2- 3 1/2-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	5/16RBK2 1/2- .045	5/16RBK2 1/2- .045-SS	5/16RBK2 1/2-. 045-316SS	5/16RBK2 1/2- .045-AL	5/16RBK2 1/2- .045-NP	.881	3/8	13/32
3/32	1/16	5/16RBK2 1/2- 1	5/16RBK2 1/2- 1-SS	5/16RBK2 1/2-1- 316SS	5/16RBK2 1/2- 1-AL	5/16RBK2 1/2- 1-NP	.945	3/8	13/32
3/32	5/64 / 2mm	5/16RBK2 1/2- 2	5/16RBK2 1/2- 2-SS	5/16RBK2 1/2-2- 316SS	5/16RBK2 1/2- 2-AL	5/16RBK2 1/2- 2-NP	.945	3/8	13/32
3/32	1/8	5/16RBK2 1/2- 3	5/16RBK2 1/2- 3-SS	5/16RBK2 1/2-3- 316SS	5/16RBK2 1/2- 3-AL	5/16RBK2 1/2- 3-NP	1.038	3/8	13/32
3/32	5/32 / 4mm	5/16RBK2 1/2- 3 1/2	5/16RBK2 1/2- 3 1/2-SS	5/16RBK2 1/2-3 1/2- 316SS	5/16RBK2 1/2- 3 1/2-AL	5/16RBK2 1/2- 3 1/2-NP	1.038	3/8	13/32
3/32	.170	5/16RBK2 1/2- 4	5/16RBK2 1/2- 4-SS	5/16RBK2 1/2-4- 316SS	5/16RBK2 1/2- 4-AL	5/16RBK2 1/2- 4-NP	1.069	3/8	13/32
3/32	3/16	5/16RBK2 1/2- 5	5/16RBK2 1/2- 5-SS	5/16RBK2 1/2-5- 316SS	5/16RBK2 1/2- 5-AL	5/16RBK2 1/2- 5-NP	1.100	3/8	13/32

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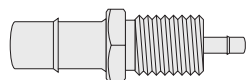
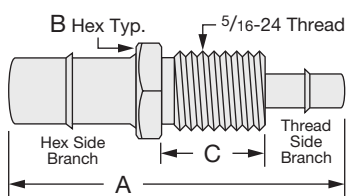
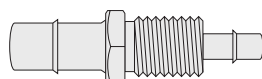
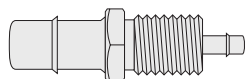
5/16-24 In-line Reducing Bulkhead Fittings with Lockwasher & Nut (cont.)

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	5/16RBK3 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	5/16RBK3 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	5/16RBK3 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	5/16RBK3 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	5/16RBK3 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	5/16RBK3 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	5/16RBK3 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	5/16RBK5 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	5/16RBK5 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	5/16RBK5 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	5/16RBK5 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	5/16RBK5 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	5/16RBK5 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	5/16RBK5 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	5/16RBK5 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

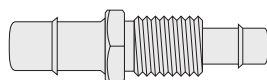


Continued on next page

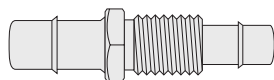
Note: Dimensions may vary at time of manufacturing! Consult factory for details.

5/16-24 In-line Reducing Bulkhead Fittings with Lockwasher & Nut (cont.)**664**5/16RBK5³/₄-15/16RBK5³/₄-3

5/16RBK6-2



5/16RBK6-4

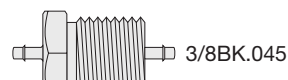
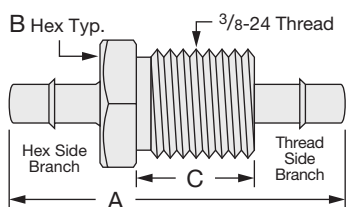


5/16RBK6-5

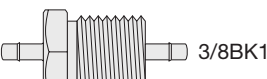
Tube ID		Part Numbers					Dimensions (Reference)		
Hex Side Branch	Thread Side Branch	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
6mm	3/64	5/16RBK 5 ³ / ₄ -.045	5/16RBK5 ³ / ₄ -.045-SS	5/16RBK5 ³ / ₄ -.045-316SS	5/16RBK5 ³ / ₄ -.045-AL	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

Note: Images are for visual representation only. Dimensions may vary at time of manufacturing.

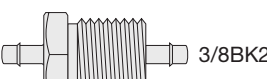
Elbow, Tee, & V-Tee Bulkheads available! 5/16-28 Thread Bulkheads available! Consult factory for details!

3/8-24 In-line Bulkhead Fittings with Lockwasher & Nut**665**

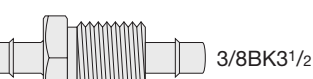
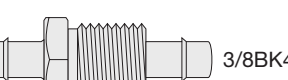
3/8BK.045



3/8BK1

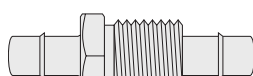


3/8BK2

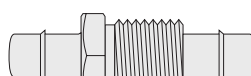
3/8BK3¹/₂

3/8BK4

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	15/32	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	15/32	7/16	13/32
.170	.170	3/8BK4	3/8BK4-SS	3/8BK4-316SS	3/8BK4-AL	3/8BK4-NP	17/32	7/16	13/32
3/16	3/16	3/8BK5	3/8BK5-SS	3/8BK5-316SS	3/8BK5-AL	3/8BK5-NP	19/32	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	19/32	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	117/32	7/16	13/32
1/4	1/4	3/8BK6	3/8BK6-SS	3/8BK6-316SS	3/8BK6-AL	3/8BK6-NP	117/32	7/16	13/32



3/8 BK5

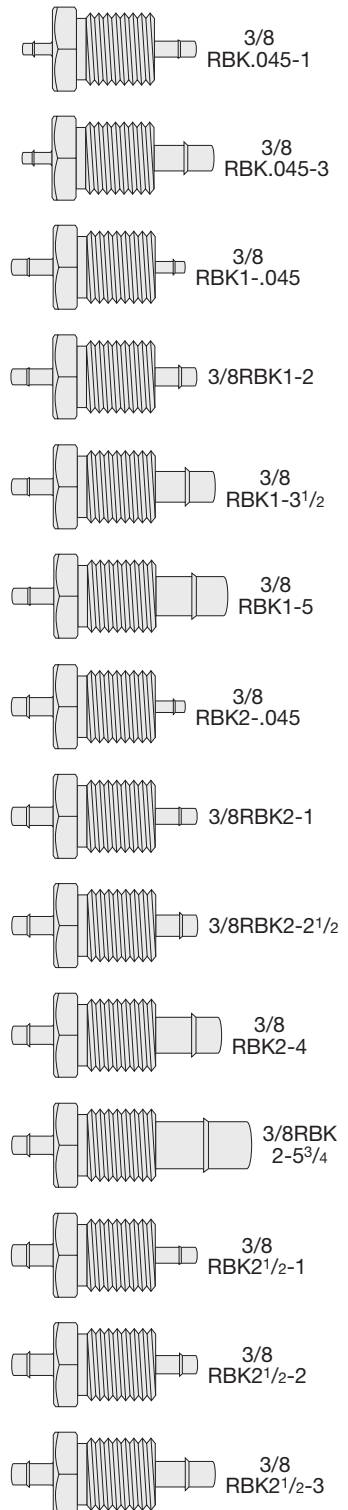
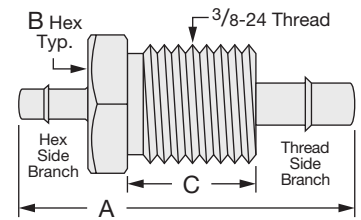
3/8 BK5¹/₂

3/8 BK6

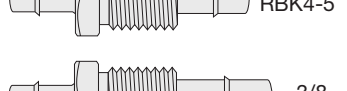
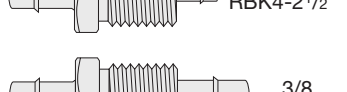
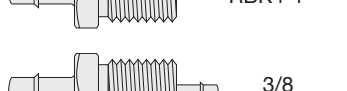
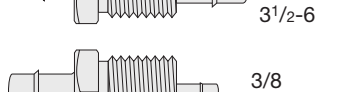
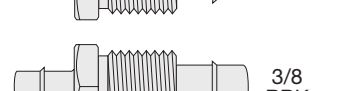
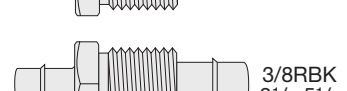
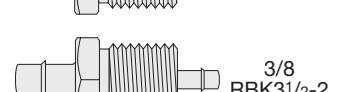
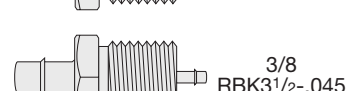
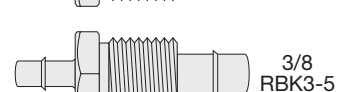
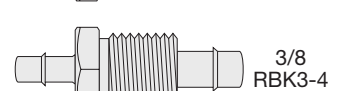
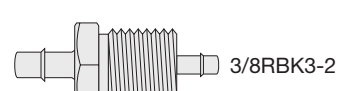
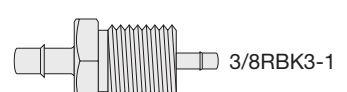
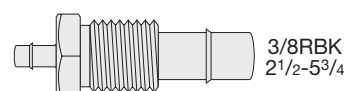
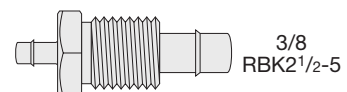
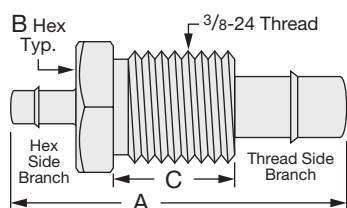
666

3/8-24 In-line Reducing Bulkhead Fittings with Lockwasher & Nut

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



Continued on next page

3/8-24 In-line Reducing Bulkhead Fittings with Lockwasher & Nut (cont.)**667**

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	2 1/2-4	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

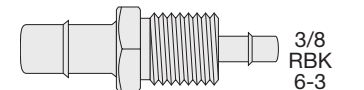
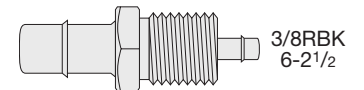
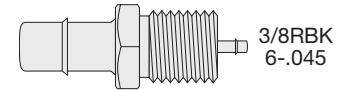
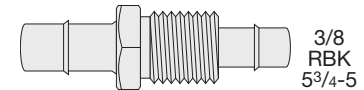
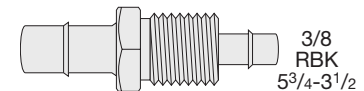
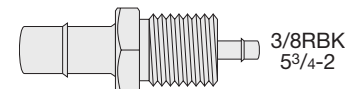
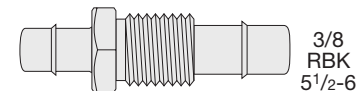
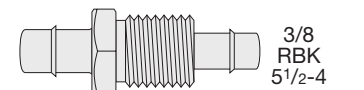
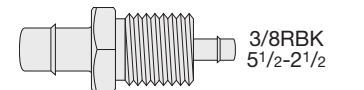
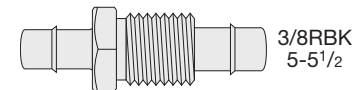
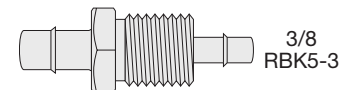
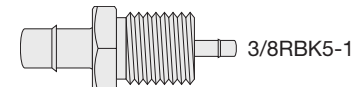
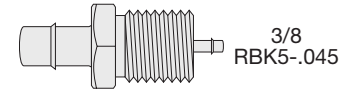
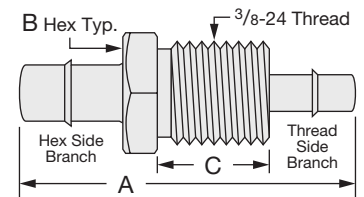
3/8-24 Thread Elbow, Tee, and V-Tee Bulkheads available! Lead times apply! Consult factory for details!

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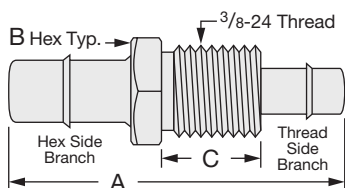
3/8-24 In-line Reducing Bulkhead Fittings with Lockwasher & Nut (cont.)

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



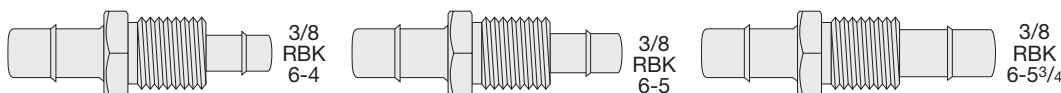
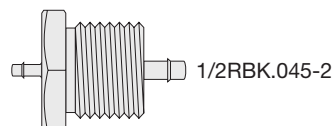
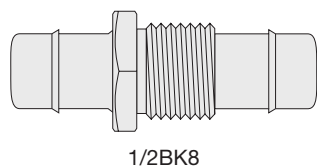
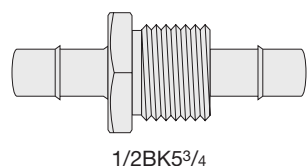
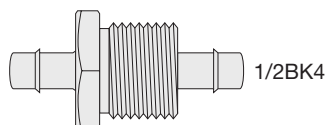
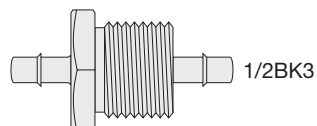
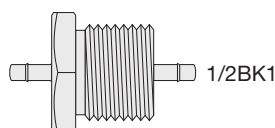
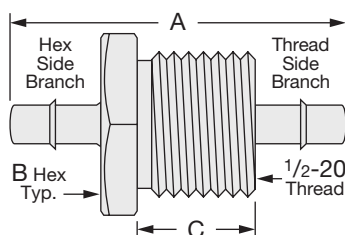
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Note: Images are for visual representation only; not intended for dimensional measurements.

3/8-24 In-line Reducing Bulkhead Fittings with Lockwasher & Nut (cont.)**669**

3/8-24 Elbow, Tee, and V-Tee Bulkheads and Reducing 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.
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

**1/2-20 In-line Bulkhead & Reducing Bulkhead Fittings with Lockwasher & Nut****670**

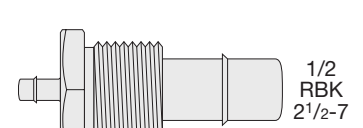
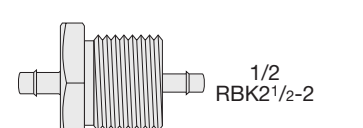
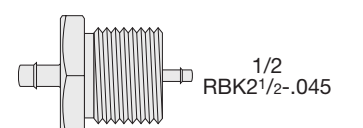
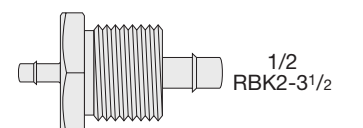
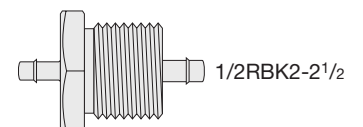
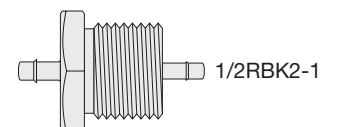
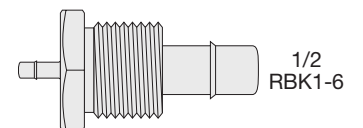
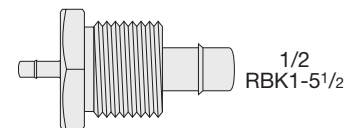
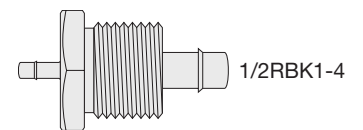
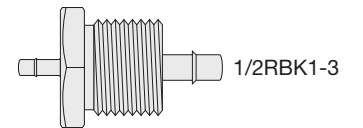
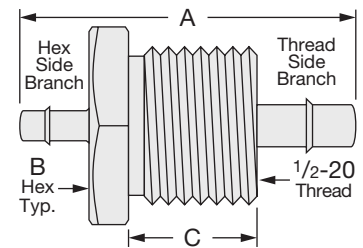
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Tube ID		Part Numbers					Dimensions (Reference)		
Hex Side Branch	Thread Side Branch	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
3/64	3/64	1/2BK.045	1/2BK.045-SS	1/2BK.045-316SS	1/2BK.045-AL	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	15/32	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	15/32	5/8	13/32
.170	.170	1/2BK4	1/2BK4-SS	1/2BK4-316SS	1/2BK4-AL	1/2BK4-NP	17/32	5/8	13/32
3/16	3/16	1/2BK5	1/2BK5-SS	1/2BK5-316SS	1/2BK5-AL	1/2BK5-NP	19/32	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	19/32	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
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

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1/2-20 In-line Reducing Bulkhead Fittings with Lockwasher & Nut (cont.)

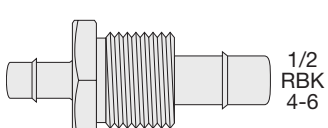
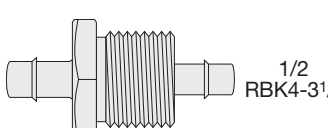
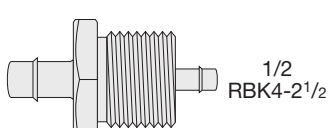
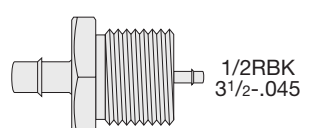
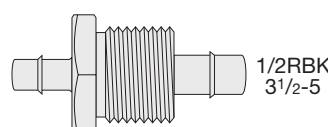
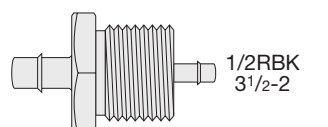
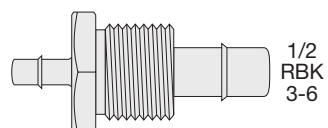
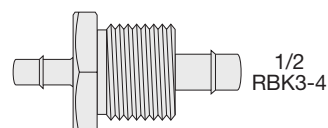
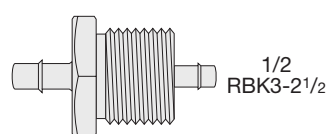
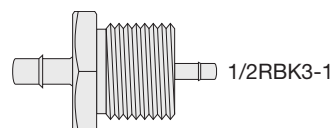
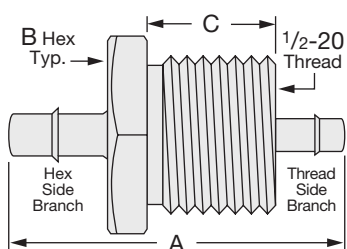
Tube ID		Part Numbers					Dimensions (Reference)		
Hex Side Branch	Thread Side Branch	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
3/64	3/8	1/2RBK .045-8	1/2RBK.045-8-SS	1/2RBK.045-8-316SS	1/2RBK.045-8-AL	1/2RBK.045-8-NP	1 1/16	5/8	13/32
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 1/2-3-SS	1/2RBK2 1/2-3-316SS	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
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	2 1/2/4	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



Continued on next page

1/2-20 In-line Reducing Bulkhead Fittings with Lockwasher & Nut (cont.)

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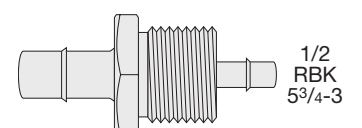
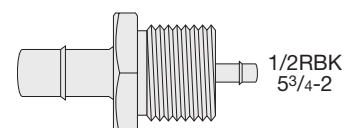
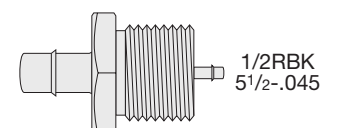
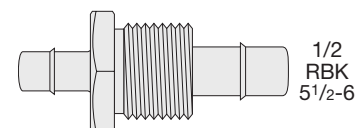
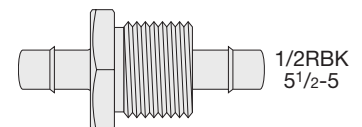
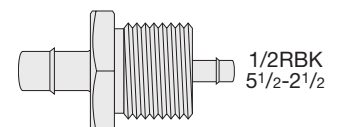
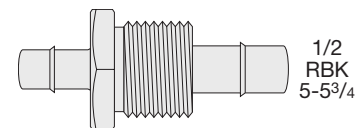
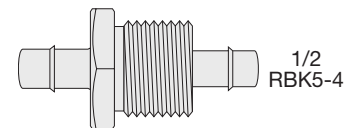
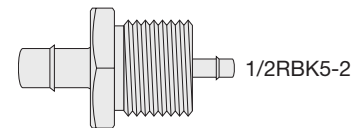
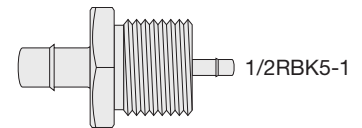
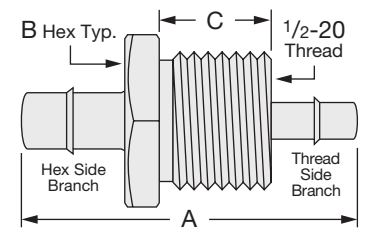
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Tube ID		Part Numbers					Dimensions (Reference)		
Hex Side Branch	Thread Side Branch	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
3/32	3/8	1/2RBK2 ^{1/2} -8	1/2RBK2 ^{1/2} -8-SS	1/2RBK2 ^{1/2} -8-316SS	1/2RBK2 ^{1/2} -8-AL	1/2RBK2 ^{1/2} -8-NP	1 5/32	5/8	1 3/32
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	1 3/32
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	1 3/32
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	1 3/32
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	1 3/32
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	1 3/32
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	1 3/32
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	1 3/32
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	1 3/32
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	1 3/32
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	1 3/32
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	1 3/32
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	1 3/32
5/32 / 4mm	3/64	1/2RBK 3 1/2-.045	1/2RBK 3 1/2-.045-SS	1/2RBK 3 1/2-.045-316SS	1/2RBK 3 1/2-.045-AL	1/2RBK 3 1/2-.045-NP	1	5/8	1 3/32
5/32 / 4mm	1/16	1/2RBK 3 1/2-1	1/2RBK 3 1/2-1-SS	1/2RBK 3 1/2-1-316SS	1/2RBK 3 1/2-1-AL	1/2RBK 3 1/2-1-NP	1 1/16	5/8	1 3/32
5/32 / 4mm	5/64 / 2mm	1/2RBK 3 1/2-2	1/2RBK 3 1/2-2-SS	1/2RBK 3 1/2-2-316SS	1/2RBK 3 1/2-2-AL	1/2RBK 3 1/2-2-NP	1 1/16	5/8	1 3/32
5/32 / 4mm	3/32	1/2RBK 3 1/2-2 1/2	1/2RBK 3 1/2-2 1/2-SS	1/2RBK 3 1/2-2 1/2-316SS	1/2RBK 3 1/2-2 1/2-AL	1/2RBK 3 1/2-2 1/2-NP	1 1/16	5/8	1 3/32
5/32 / 4mm	1/8	1/2RBK 3 1/2-3	1/2RBK 3 1/2-3-SS	1/2RBK 3 1/2-3-316SS	1/2RBK 3 1/2-3-AL	1/2RBK 3 1/2-3-NP	1 5/32	5/8	1 3/32
5/32 / 4mm	.170	1/2RBK 3 1/2-4	1/2RBK 3 1/2-4-SS	1/2RBK 3 1/2-4-316SS	1/2RBK 3 1/2-4-AL	1/2RBK 3 1/2-4-NP	1 3/16	5/8	1 3/32
5/32 / 4mm	3/16	1/2RBK 3 1/2-5	1/2RBK 3 1/2-5-SS	1/2RBK 3 1/2-5-316SS	1/2RBK 3 1/2-5-AL	1/2RBK 3 1/2-5-NP	1 5/32	5/8	1 3/32
5/32 / 4mm	7/32	1/2RBK 3 1/2-5 1/2	1/2RBK 3 1/2-5 1/2-SS	1/2RBK 3 1/2-5 1/2-316SS	1/2RBK 3 1/2-5 1/2-AL	1/2RBK 3 1/2-5 1/2-NP	1 5/32	5/8	1 3/32
5/32 / 4mm	6mm	1/2RBK 3 1/2-5 3/4	1/2RBK 3 1/2-5 3/4-SS	1/2RBK 3 1/2-5 3/4-316SS	1/2RBK 3 1/2-5 3/4-AL	1/2RBK 3 1/2-5 3/4-NP	1 11/32	5/8	1 3/32
5/32 / 4mm	1/4	1/2RBK 3 1/2-6	1/2RBK 3 1/2-6-SS	1/2RBK 3 1/2-6-316SS	1/2RBK 3 1/2-6-AL	1/2RBK 3 1/2-6-NP	1 11/32	5/8	1 3/32
5/32 / 4mm	5/16 / 8mm	1/2RBK 3 1/2-7	1/2RBK 3 1/2-7-SS	1/2RBK 3 1/2-7-316SS	1/2RBK 3 1/2-7-AL	1/2RBK 3 1/2-7-NP	1 15/32	5/8	1 3/32
5/32 / 4mm	3/8	1/2RBK 3 1/2-8	1/2RBK 3 1/2-8-SS	1/2RBK 3 1/2-8-316SS	1/2RBK 3 1/2-8-AL	1/2RBK 3 1/2-8-NP	1 3/8	5/8	1 3/32
.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	1 3/32
.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	1 3/32
.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	1 3/32
.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	1 3/32
.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	1 3/32
.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	1 3/32
.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	1 3/32
.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	1 3/32
.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	1 3/32
.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	1 3/32
.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	1 3/32

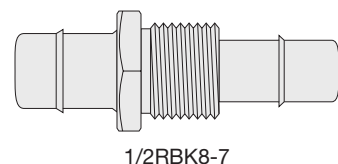
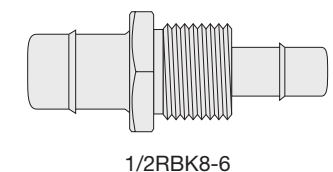
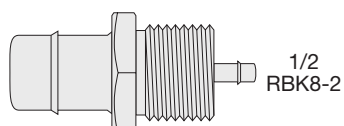
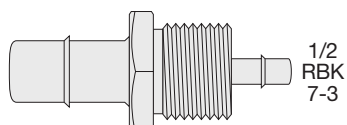
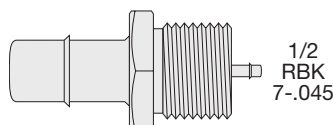
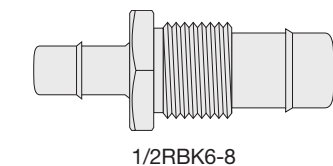
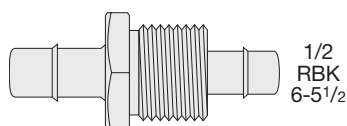
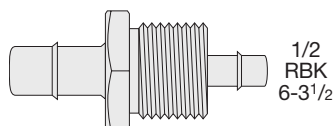
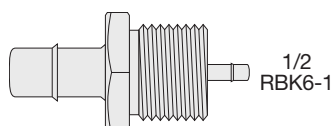
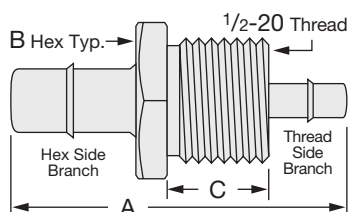
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1/2-20 In-line Reducing Bulkhead Fittings with Lockwasher & Nut (cont.)

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	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	1 3/32
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	1 3/32
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	1 3/32
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	1 3/32
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	1 3/32
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	1 3/32
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	1 3/32
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	1 3/32
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	1 3/32
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	1 3/32
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	1 3/32
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	1 3/32
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	1 3/32
7/32	3/64	1/2RBK 5 1/2-.045	1/2RBK 5 1/2-.045-SS	1/2RBK 5 1/2-.045-316SS	1/2RBK 5 1/2-.045-AL	1/2RBK 5 1/2-.045-NP	1 1/16	5/8	1 3/32
7/32	1/16	1/2RBK 5 1/2-1	1/2RBK 5 1/2-1-SS	1/2RBK 5 1/2-1-316SS	1/2RBK 5 1/2-1-AL	1/2RBK 5 1/2-1-NP	1 1/8	5/8	1 3/32
7/32	5/64 / 2mm	1/2RBK 5 1/2-2	1/2RBK 5 1/2-2-SS	1/2RBK 5 1/2-2-316SS	1/2RBK 5 1/2-2-AL	1/2RBK 5 1/2-2-NP	1 1/8	5/8	1 3/32
7/32	3/32	1/2RBK 5 1/2-2 1/2	1/2RBK 5 1/2-2 1/2-SS	1/2RBK 5 1/2-2 1/2-316SS	1/2RBK 5 1/2-2 1/2-AL	1/2RBK 5 1/2-2 1/2-NP	1 1/8	5/8	1 3/32
7/32	1/8	1/2RBK 5 1/2-3	1/2RBK 5 1/2-3-SS	1/2RBK 5 1/2-3-316SS	1/2RBK 5 1/2-3-AL	1/2RBK 5 1/2-3-NP	1 5/32	5/8	1 3/32
7/32	5/32 / 4mm	1/2RBK 5 1/2-3 1/2	1/2RBK 5 1/2-3 1/2-SS	1/2RBK 5 1/2-3 1/2-316SS	1/2RBK 5 1/2-3 1/2-AL	1/2RBK 5 1/2-3 1/2-NP	1 5/32	5/8	1 3/32
7/32	.170	1/2RBK 5 1/2-4	1/2RBK 5 1/2-4-SS	1/2RBK 5 1/2-4-316SS	1/2RBK 5 1/2-4-AL	1/2RBK 5 1/2-4-NP	1 1/4	5/8	1 3/32
7/32	3/16	1/2RBK 5 1/2-5	1/2RBK 5 1/2-5-SS	1/2RBK 5 1/2-5-316SS	1/2RBK 5 1/2-5-AL	1/2RBK 5 1/2-5-NP	1 9/32	5/8	1 3/32
7/32	6mm	1/2RBK 5 1/2-5 3/4	1/2RBK 5 1/2-5 3/4-SS	1/2RBK 5 1/2-5 3/4-316SS	1/2RBK 5 1/2-5 3/4-AL	1/2RBK 5 1/2-5 3/4-NP	1 13/32	5/8	1 3/32
7/32	1/4	1/2RBK 5 1/2-6	1/2RBK 5 1/2-6-SS	1/2RBK 5 1/2-6-316SS	1/2RBK 5 1/2-6-AL	1/2RBK 5 1/2-6-NP	1 13/32	5/8	1 3/32
7/32	5/16 / 8mm	1/2RBK 5 1/2-7	1/2RBK 5 1/2-7-SS	1/2RBK 5 1/2-7-316SS	1/2RBK 5 1/2-7-AL	1/2RBK 5 1/2-7-NP	1 17/32	5/8	1 3/32
7/32	3/8	1/2RBK 5 1/2-8	1/2RBK 5 1/2-8-SS	1/2RBK 5 1/2-8-316SS	1/2RBK 5 1/2-8-AL	1/2RBK 5 1/2-8-NP	1 7/16	5/8	1 3/32
6mm	3/64	1/2RBK 5 3/4-.045	1/2RBK 5 3/4-.045-SS	1/2RBK 5 3/4-.045-316SS	1/2RBK 5 3/4-.045-AL	1/2RBK 5 3/4-.045-NP	1 3/16	5/8	1 3/32
6mm	1/16	1/2RBK 5 3/4-1	1/2RBK 5 3/4-1-SS	1/2RBK 5 3/4-1-316SS	1/2RBK 5 3/4-1-AL	1/2RBK 5 3/4-1-NP	1 1/4	5/8	1 3/32
6mm	5/64 / 2mm	1/2RBK 5 3/4-2	1/2RBK 5 3/4-2-SS	1/2RBK 5 3/4-2-316SS	1/2RBK 5 3/4-2-AL	1/2RBK 5 3/4-2-NP	1 1/4	5/8	1 3/32
6mm	3/32	1/2RBK 5 3/4-2 1/2	1/2RBK 5 3/4-2 1/2-SS	1/2RBK 5 3/4-2 1/2-316SS	1/2RBK 5 3/4-2 1/2-AL	1/2RBK 5 3/4-2 1/2-NP	1 1/4	5/8	1 3/32
6mm	1/8	1/2RBK 5 3/4-3	1/2RBK 5 3/4-3-SS	1/2RBK 5 3/4-3-316SS	1/2RBK 5 3/4-3-AL	1/2RBK 5 3/4-3-NP	1 11/32	5/8	1 3/32
6mm	5/32 / 4mm	1/2RBK 5 3/4-3 1/2	1/2RBK 5 3/4-3 1/2-SS	1/2RBK 5 3/4-3 1/2-316SS	1/2RBK 5 3/4-3 1/2-AL	1/2RBK 5 3/4-3 1/2-NP	1 11/32	5/8	1 3/32
6mm	.170	1/2RBK 5 3/4-4	1/2RBK 5 3/4-4-SS	1/2RBK 5 3/4-4-316SS	1/2RBK 5 3/4-4-AL	1/2RBK 5 3/4-4-NP	1 3/8	5/8	1 3/32
6mm	3/16	1/2RBK 5 3/4-5	1/2RBK 5 3/4-5-SS	1/2RBK 5 3/4-5-316SS	1/2RBK 5 3/4-5-AL	1/2RBK 5 3/4-5-NP	1 13/32	5/8	1 3/32
6mm	7/32	1/2RBK 5 3/4-5 1/2	1/2RBK 5 3/4-5 1/2-SS	1/2RBK 5 3/4-5 1/2-316SS	1/2RBK 5 3/4-5 1/2-AL	1/2RBK 5 3/4-5 1/2-NP	1 13/32	5/8	1 3/32
6mm	1/4	1/2RBK 5 3/4-6	1/2RBK 5 3/4-6-SS	1/2RBK 5 3/4-6-316SS	1/2RBK 5 3/4-6-AL	1/2RBK 5 3/4-6-NP	1 17/32	5/8	1 3/32
6mm	5/16 / 8mm	1/2RBK 5 3/4-7	1/2RBK 5 3/4-7-SS	1/2RBK 5 3/4-7-316SS	1/2RBK 5 3/4-7-AL	1/2RBK 5 3/4-7-NP	1 121/32	5/8	1 3/32



Continued on next page

1/2-20 In-line Reducing Bulkhead Fittings with Lockwasher & Nut (cont.)**674**

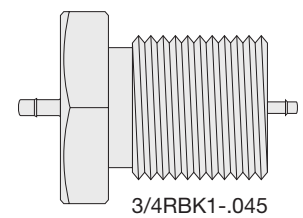
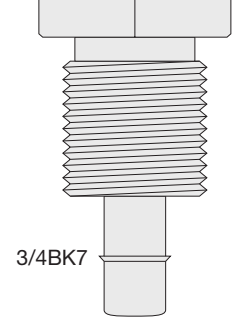
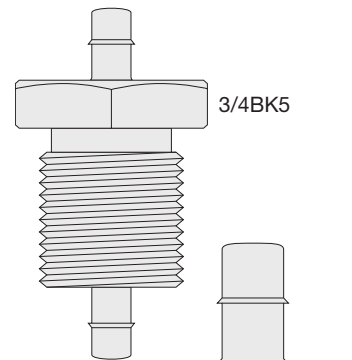
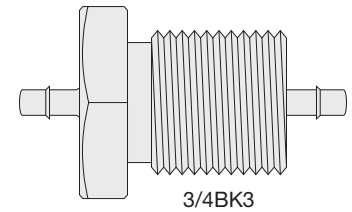
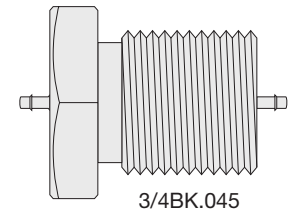
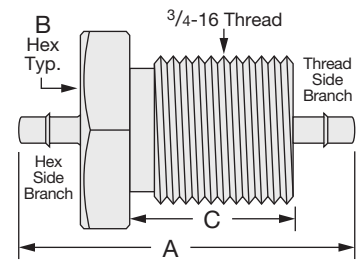
1/2-20 Elbow, Tee, & V-Tee Bulkheads also available! Consult factory for details!

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	1 ³ / 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	1 ³ / 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	1 ³ / 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	1 ³ / 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	1 ³ / 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	1 ³ / 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	1 ³ / 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	1 ³ / 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	1 ³ / 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	1 ³ / 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	1 ³ / 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	1 ³ / 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	1 ³ / 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	1 ³ / 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	1 ³ / 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	1 ³ / 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	1 ³ / 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	1 ³ / ₃₂
5/16 / 8mm	5/32 / 4mm	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	1 ³ / 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	1 ³ / 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	1 ³ / 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	1 ³ / 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	1 ³ / 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	1 ³ / 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	1 ³ / 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	1 ³ / 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	1 ³ / 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	1 ³ / 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	1 ³ / 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	1 ³ / 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	1 ³ / 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	1 ³ / 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	1 ³ / 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	1 ³ / 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	1 ³ / 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	1 ³ / 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	1 ³ / ₃₂

675

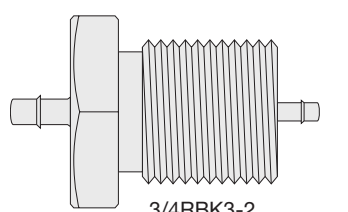
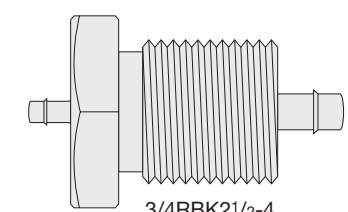
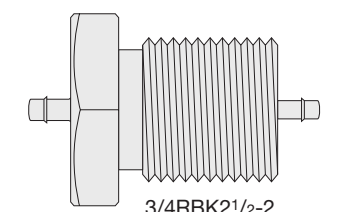
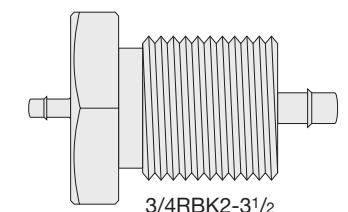
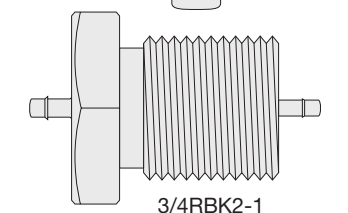
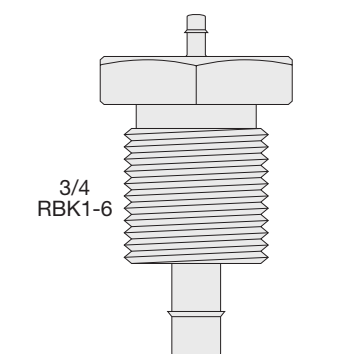
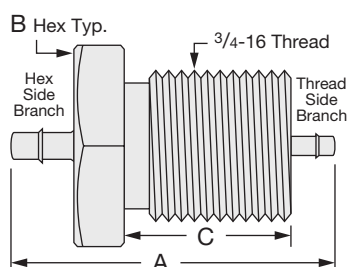
3/4-16 In-line Bulkhead & Reducing Bulkhead Fittings with Lockwasher & Nut

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	5 ³ / ₆₄
1/16	1/16	3/4BK1	3/4BK1-SS	3/4BK1-316SS	3/4BK1-AL	3/4BK1-NP	1 ³³ / ₆₄	1	5 ³ / 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	5 ³ / 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	5 ³ / ₆₄
1/8	1/8	3/4BK3	3/4BK3-SS	3/4BK3-316SS	3/4BK3-AL	3/4BK3-NP	1 ⁴⁵ / ₆₄	1	5 ³ / 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	5 ³ / ₆₄
.170	.170	3/4BK4	3/4BK4-SS	3/4BK4-316SS	3/4BK4-AL	3/4BK4-NP	1 ⁴⁹ / ₆₄	1	5 ³ / ₆₄
3/16	3/16	3/4BK5	3/4BK5-SS	3/4BK5-316SS	3/4BK5-AL	3/4BK5-NP	1 ⁵³ / ₆₄	1	5 ³ / 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	5 ³ / 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	5 ³ / ₆₄
1/4	1/4	3/4BK6	3/4BK6-SS	3/4BK6-316SS	3/4BK6-AL	3/4BK6-NP	2 ⁵ / ₆₄	1	5 ³ / 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	5 ³ / ₆₄
3/8	3/8	3/4BK8	3/4BK8-SS	3/4BK8-316SS	3/4BK8-AL	3/4BK8-NP	2 ⁹ / ₆₄	1	5 ³ / ₆₄
1/2	1/2	3/4BK10	3/4BK10-SS	3/4BK10-316SS	3/4BK10-AL	3/4BK10-NP	2.802	1	5 ³ / 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	5 ³ / 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	5 ³ / 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	5 ³ / 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	5 ³ / 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	5 ³ / 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	5 ³ / 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	5 ³ / 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	5 ³ / 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	5 ³ / 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	5 ³ / 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	5 ³ / 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	5 ³ / 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	5 ³ / 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	5 ³ / 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	5 ³ / 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	5 ³ / 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	5 ³ / 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	5 ³ / 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	5 ³ / 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	5 ³ / 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	5 ³ / 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	5 ³ / ₆₄



Continued on next page

Note: the drawings in this section have been altered from the previous catalog.

3/4-16 In-line Reducing Bulkhead Fittings with Lockwasher & Nut (cont.)**676**

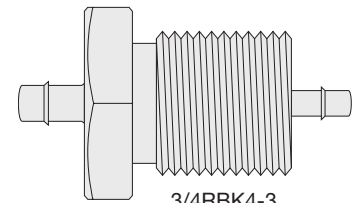
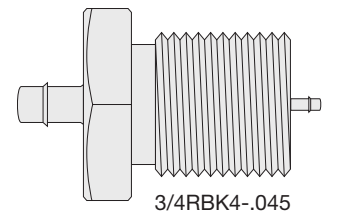
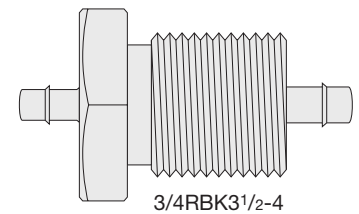
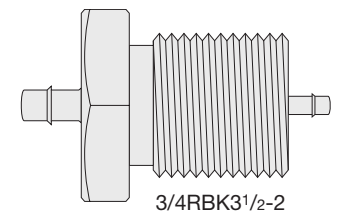
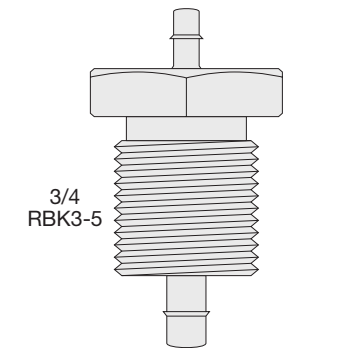
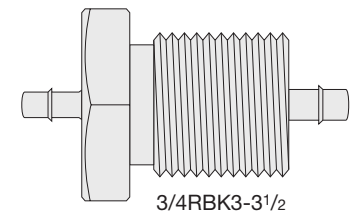
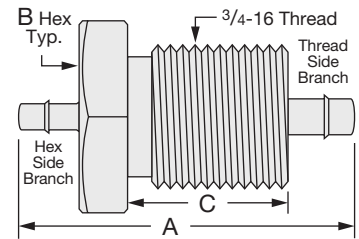
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Tube ID		Part Numbers					Dimensions (Reference)		
Hex Side Branch	Thread Side Branch	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	1/4	3/4RBK1-6	3/4RBK1-6-SS	3/4RBK1-6-316SS	3/4RBK1-6-AL	3/4RBK1-6-NP	1 ⁵¹ / ₆₄	1	5 ³ / 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	5 ³ / 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	5 ³ / 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	5 ³ / 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	5 ³ / 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	5 ³ / ₆₄
5/64 / 2mm	3/32	3/4RBK2-2 1/2	3/4RBK2-2 1/2-SS	3/4RBK2-2 1/2-316SS	3/4RBK2-2 1/2-AL	3/4RBK2-2 1/2-NP	1 ³³ / ₆₄	1	5 ³ / 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	5 ³ / ₆₄
5/64 / 2mm	5/32 / 4mm	3/4RBK2-3 1/2	3/4RBK2-3 1/2-SS	3/4RBK2-3 1/2-316SS	3/4RBK2-3 1/2-AL	3/4RBK2-3 1/2-NP	1 ³⁹ / ₆₄	1	5 ³ / 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	5 ³ / 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	5 ³ / ₆₄
5/64 / 2mm	7/32	3/4RBK2-5 1/2	3/4RBK2-5 1/2-SS	3/4RBK2-5 1/2-316SS	3/4RBK2-5 1/2-AL	3/4RBK2-5 1/2-NP	1 ⁴³ / ₆₄	1	5 ³ / ₆₄
5/64 / 2mm	6mm	3/4RBK2-5 3/4	3/4RBK2-5 3/4-SS	3/4RBK2-5 3/4-316SS	3/4RBK2-5 3/4-AL	3/4RBK2-5 3/4-NP	1 ⁵¹ / ₆₄	1	5 ³ / 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	5 ³ / 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	5 ³ / 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	5 ³ / 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	5 ³ / ₆₄
3/32	3/64	3/4RBK2 1/2-.045	3/4RBK2 1/2-.045-SS	3/4RBK2 1/2-.045-316SS	3/4RBK2 1/2-.045-AL	3/4RBK2 1/2-.045-NP	1 ²⁹ / ₆₄	1	5 ³ / ₆₄
3/32	1/16	3/4RBK2 1/2-1	3/4RBK2 1/2-1-SS	3/4RBK2 1/2-1-316SS	3/4RBK2 1/2-1-AL	3/4RBK2 1/2-1-NP	1 ³³ / ₆₄	1	5 ³ / ₆₄
3/32	5/64 / 2mm	3/4RBK2 1/2-2	3/4RBK2 1/2-2-SS	3/4RBK2 1/2-2-316SS	3/4RBK2 1/2-2-AL	3/4RBK2 1/2-2-NP	1 ³³ / ₆₄	1	5 ³ / ₆₄
3/32	1/8	3/4RBK2 1/2-3	3/4RBK2 1/2-3-SS	3/4RBK2 1/2-3-316SS	3/4RBK2 1/2-3-AL	3/4RBK2 1/2-3-NP	1 ³⁹ / ₆₄	1	5 ³ / ₆₄
3/32	5/32 / 4mm	3/4RBK2 1/2-3 1/2	3/4RBK2 1/2-3 1/2-SS	3/4RBK2 1/2-3 1/2-316SS	3/4RBK2 1/2-3 1/2-AL	3/4RBK2 1/2-3 1/2-NP	1 ³⁹ / ₆₄	1	5 ³ / ₆₄
3/32	.170	3/4RBK2 1/2-4	3/4RBK2 1/2-4-SS	3/4RBK2 1/2-4-316SS	3/4RBK2 1/2-4-AL	3/4RBK2 1/2-4-NP	1 ⁴¹ / ₆₄	1	5 ³ / ₆₄
3/32	3/16	3/4RBK2 1/2-5	3/4RBK2 1/2-5-SS	3/4RBK2 1/2-5-316SS	3/4RBK2 1/2-5-AL	3/4RBK2 1/2-5-NP	1 ⁴³ / ₆₄	1	5 ³ / ₆₄
3/32	7/32	3/4RBK2 1/2-5 1/2	3/4RBK2 1/2-5 1/2-SS	3/4RBK2 1/2-5 1/2-316SS	3/4RBK2 1/2-5 1/2-AL	3/4RBK2 1/2-5 1/2-NP	1 ⁴³ / ₆₄	1	5 ³ / ₆₄
3/32	6mm	3/4RBK2 1/2-5 3/4	3/4RBK2 1/2-5 3/4-SS	3/4RBK2 1/2-5 3/4-316SS	3/4RBK2 1/2-5 3/4-AL	3/4RBK2 1/2-5 3/4-NP	1 ⁵¹ / ₆₄	1	5 ³ / ₆₄
3/32	2 1/4	3/4RBK2 1/2-6	3/4RBK2 1/2-6-SS	3/4RBK2 1/2-6-316SS	3/4RBK2 1/2-6-AL	3/4RBK2 1/2-6-NP	1 ⁵¹ / ₆₄	1	5 ³ / ₆₄
3/32	5/16 / 8mm	3/4RBK2 1/2-7	3/4RBK2 1/2-7-SS	3/4RBK2 1/2-7-316SS	3/4RBK2 1/2-7-AL	3/4RBK2 1/2-7-NP	1 ⁵⁹ / ₆₄	1	5 ³ / ₆₄
3/32	3/8	3/4RBK2 1/2-8	3/4RBK2 1/2-8-SS	3/4RBK2 1/2-8-316SS	3/4RBK2 1/2-8-AL	3/4RBK2 1/2-8-NP	1 ⁵³ / ₆₄	1	5 ³ / ₆₄
3/32	1/2	3/4RBK2 1/2-10	3/4RBK2 1/2-10-SS	3/4RBK2 1/2-10-316SS	3/4RBK2 1/2-10-AL	3/4RBK2 1/2-10-NP	2.159	1	5 ³ / 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	5 ³ / 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	5 ³ / 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	5 ³ / ₆₄
1/8	3/32	3/4RBK3-2 1/2	3/4RBK3-2 1/2-SS	3/4RBK3-2 1/2-316SS	3/4RBK3-2 1/2-AL	3/4RBK3-2 1/2-NP	1 ³⁹ / ₆₄	1	5 ³ / ₆₄
1/8	5/32 / 4mm	3/4RBK3-3 1/2	3/4RBK3-3 1/2-SS	3/4RBK3-3 1/2-316SS	3/4RBK3-3 1/2-AL	3/4RBK3-3 1/2-NP	1 ⁴⁵ / ₆₄	1	5 ³ / 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	5 ³ / ₆₄

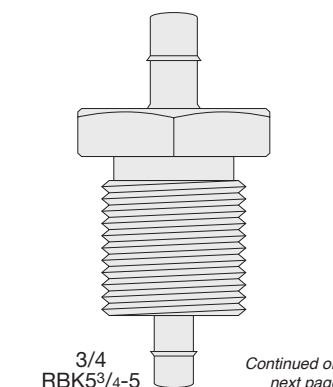
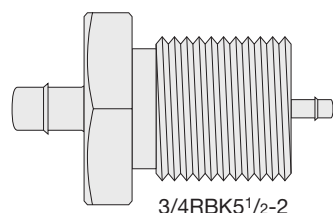
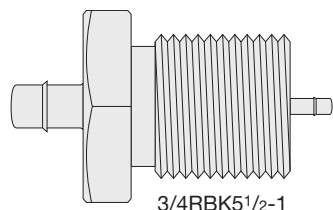
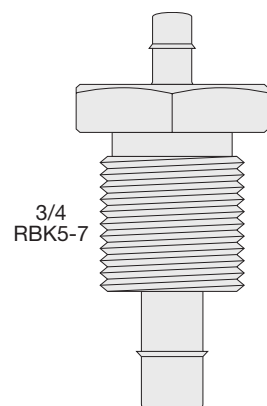
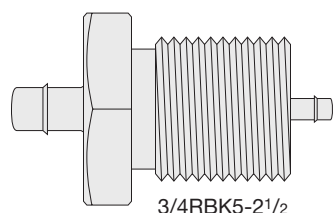
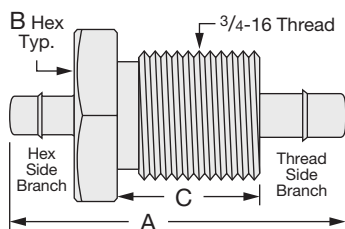
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3/4-16 In-line Reducing Bulkhead Fittings with Lockwasher & Nut (cont.)

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 9/64	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 9/64	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	3/4RBK3 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	3/4RBK3 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	3/4RBK3 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	3/4RBK3 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	3/4RBK3 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	3/4RBK3 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	3/4RBK3 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	3/4RBK3 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	3/4RBK3 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	3/4RBK3 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	3/4RBK3 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	3/4RBK3 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	3/4RBK3 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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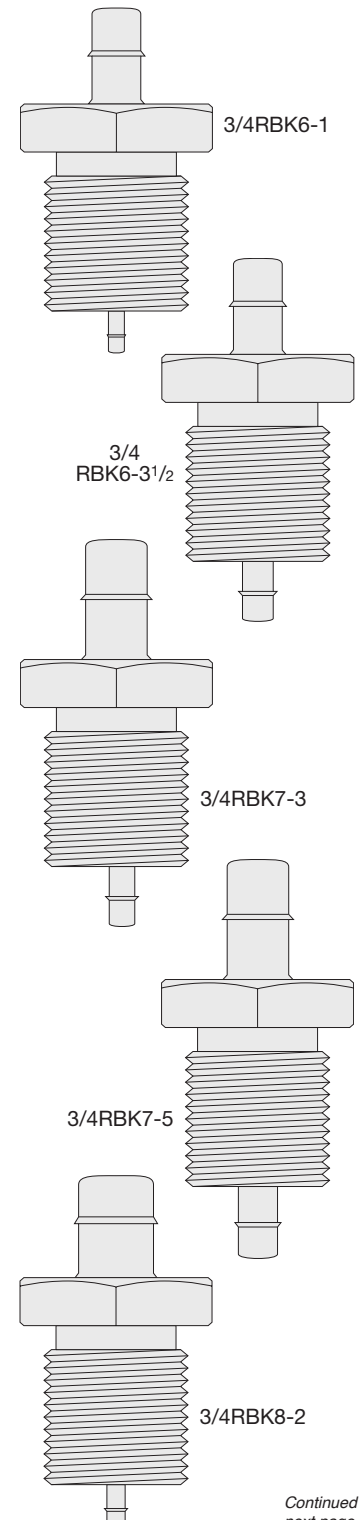
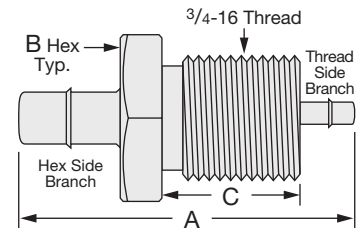
3/4-16 In-line Reducing Bulkhead Fittings with Lockwasher & Nut (cont.)**678**Continued on
next page

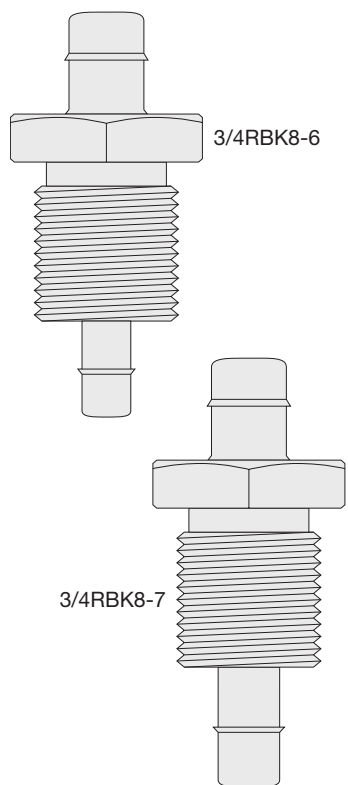
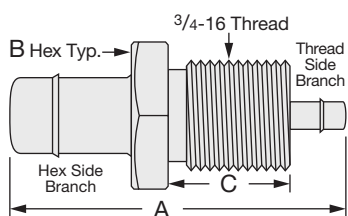
Tube ID		Part Numbers					Dimensions (Reference)		
Hex Side Branch	Thread Side Branch	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
3/16	3/32	3/4RBK5-2 1/2	3/4RBK5-2 1/2-SS	3/4RBK5-2 1/2-316SS	3/4RBK5-2 1/2-AL	3/4RBK5-2 1/2-NP	1 43/64	1	53/64
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	3/4RBK5 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	3/4RBK5 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	3/4RBK5 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	3/4RBK5 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	3/4RBK5 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	3/4RBK5 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	3/4RBK5 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	3/4RBK5 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	3/4RBK5 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	3/4RBK5 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	3/4RBK5 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	3/4RBK5 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	3/4RBK5 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	3/4RBK5 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	3/4RBK5 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	3/4RBK5 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	3/4RBK5 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	3/4RBK5 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	3/4RBK5 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	3/4RBK5 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	3/4RBK5 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	3/4RBK5 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	3/4RBK5 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	3/4RBK5 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	3/4RBK5 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	3/4RBK5 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

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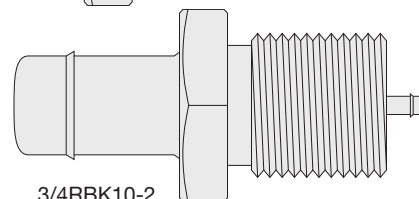
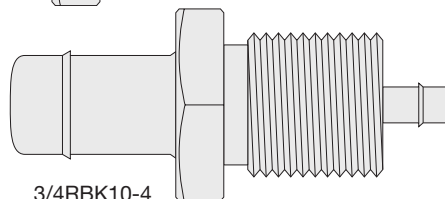
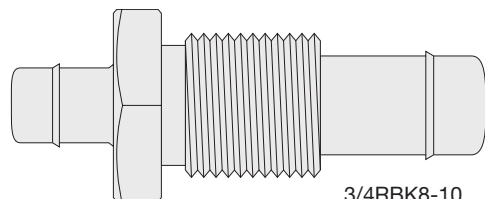
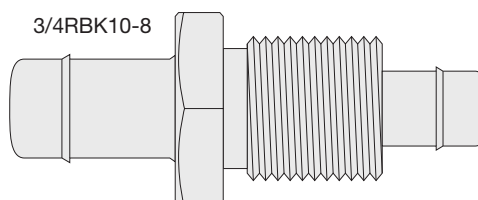
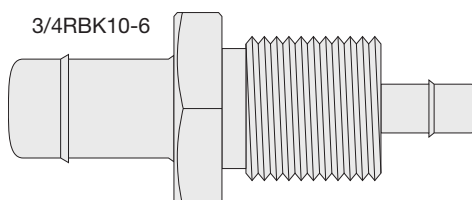
3/4-16 In-line Reducing Bulkhead Fittings with Lockwasher & Nut (cont.)

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	5 ³ / 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	5 ³ / 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	5 ³ / 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	5 ³ / 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	5 ³ / 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	5 ³ / 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	5 ³ / 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	5 ³ / 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	5 ³ / 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	5 ³ / 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	5 ³ / 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	5 ³ / 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	5 ³ / 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	5 ³ / 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	5 ³ / 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	5 ³ / 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	5 ³ / 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	5 ³ / 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	5 ³ / 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	5 ³ / 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	5 ³ / 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	5 ³ / 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	5 ³ / 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	5 ³ / 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	5 ³ / 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	5 ³ / 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	5 ³ / 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	5 ³ / 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	5 ³ / 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	5 ³ / 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	5 ³ / 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	5 ³ / 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	5 ³ / 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	5 ³ / 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	5 ³ / 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	5 ³ / ₆₄

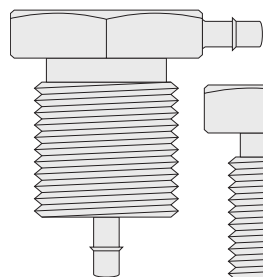
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next page

3/4-16 In-line Reducing Bulkhead Fittings with Lockwasher & Nut (cont.)**680**

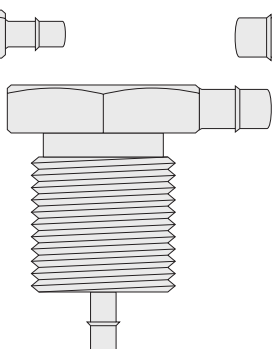
Tube ID		Part Numbers					Dimensions (Reference)		
Hex Side Branch	Thread Side Branch	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
3/8	1/4	3/4RBK8-6	3/4RBK8-6-SS	3/4RBK8-6-316SS	3/4RBK8-6-AL	3/4RBK8-6-NP	27/64	1	53/64
3/8	5/16 / 8mm	3/4RBK8-7	3/4RBK8-7-SS	3/4RBK8-7-316SS	3/4RBK8-7-AL	3/4RBK8-7-NP	215/64	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



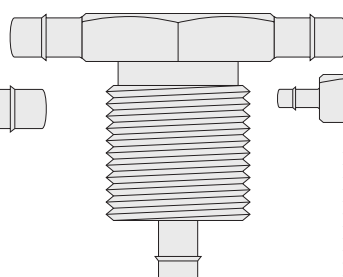
3/4-16 Elbow, Tee, & V-Tee Bulkheads & Reducing Bulkheads also available! Consult factory for details!



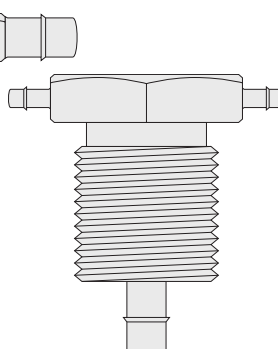
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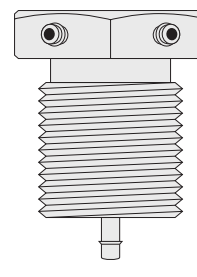
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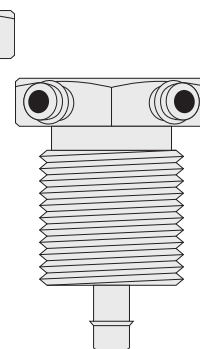
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3/4RBK5-T2



3/4BK2-VT2



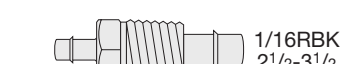
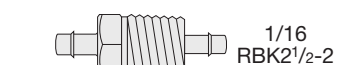
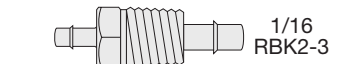
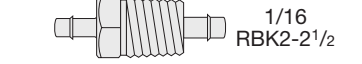
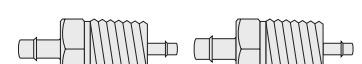
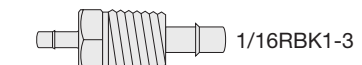
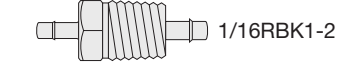
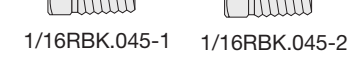
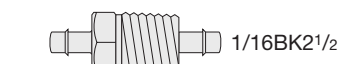
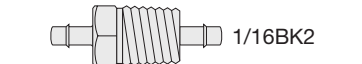
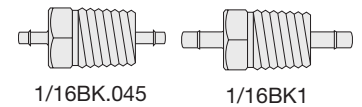
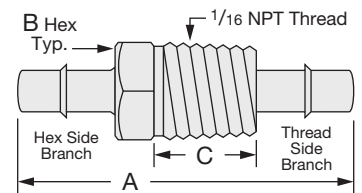
3/4RBK4-VT5

* Sample listing; many options available! *

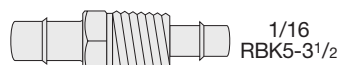
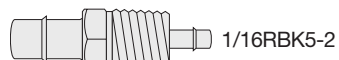
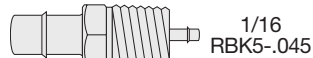
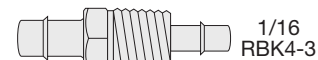
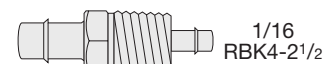
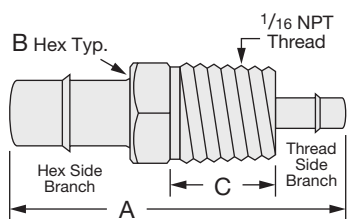
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1/16 NPT In-line Bulkhead & Reducing Bulkhead Fittings

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	15/64	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	15/64	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	145/64	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	145/64	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	145/64	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	145/64	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	145/64	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	1/16RBK2-2 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	1/16RBK2 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	145/64	5/16	1/3
3/32	1/16	1/16RBK2 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	1/16RBK2 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	1/16RBK2 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	1/16RBK2 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	15/64	5/16	1/3
5/32 / 4mm	3/64	1/16RBK3 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	1/16RBK3 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	1/16RBK3 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	1/16RBK3 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	1/16RBK3 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	15/64	5/16	1/3



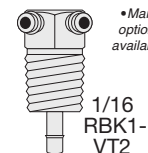
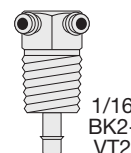
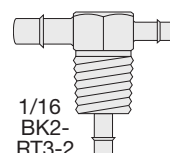
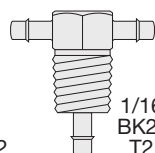
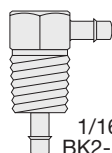
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1/16 NPT In-line Reducing Bulkhead Fittings (cont.)**682**

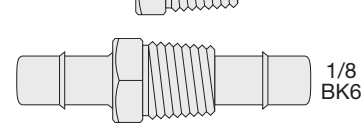
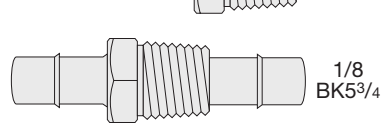
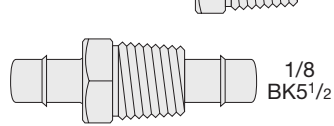
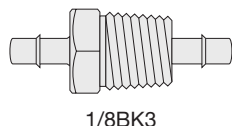
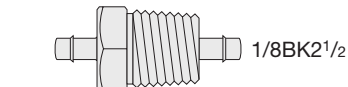
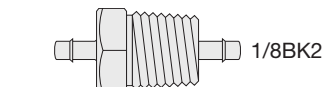
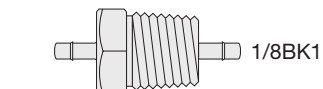
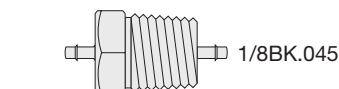
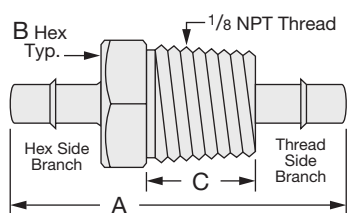
Note: The drawings in this section have been altered from the previous catalog to more accurately represent the part numbers.

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	11/64	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	11/64	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	11/64	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	17/64	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	17/64	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	13/64	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	13/64	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	13/64	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	19/64	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	19/64	5/16	1/3

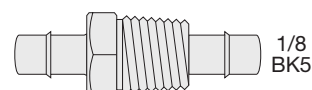
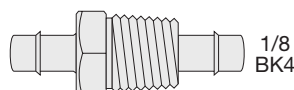
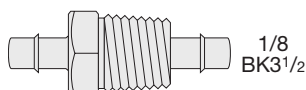
1/16 NPT Thread Elbow, Tee, and V-Tee Bulkheads also available! Consult factory for details!



• Many options available!

1/8 NPT In-line Bulkhead Fittings**683**

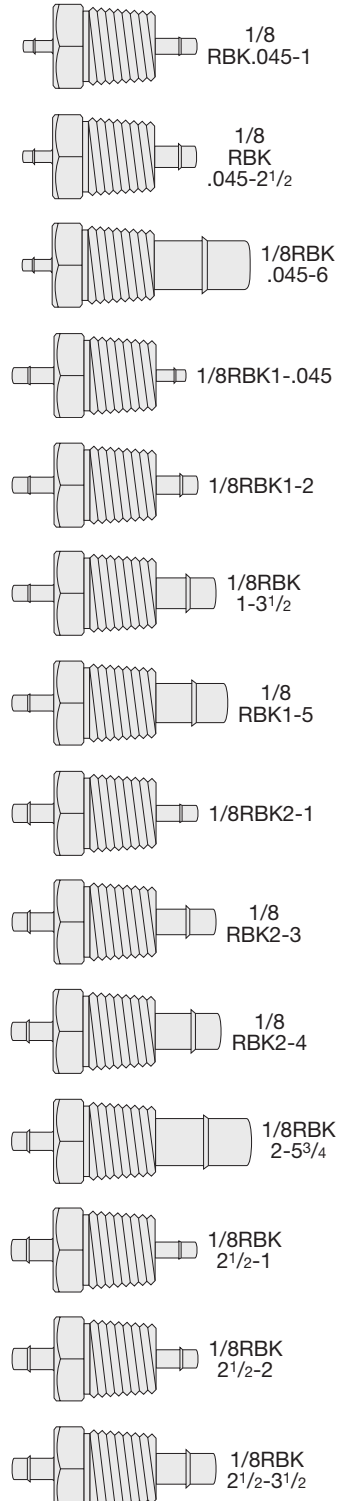
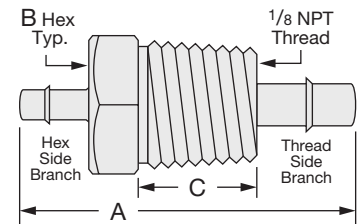
Tube ID		Part Numbers					Dimensions (Reference)		
Hex Side Branch	Thread Side Branch	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
3/64	3/64	1/8BK.045	1/8BK.045-SS	1/8BK.045-316SS	1/8BK.045-AL	1/8BK.045-NP	27/32	7/16	3/8
1/16	1/16	1/8BK1	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	15/32	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	15/32	7/16	3/8
.170	.170	1/8BK4	1/8BK4-SS	1/8BK4-316SS	1/8BK4-AL	1/8BK4-NP	17/32	7/16	3/8
3/16	3/16	1/8BK5	1/8BK5-SS	1/8BK5-316SS	1/8BK5-AL	1/8BK5-NP	19/32	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	19/32	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	117/32	7/16	3/8
1/4	1/4	1/8BK6	1/8BK6-SS	1/8BK6-316SS	1/8BK6-AL	1/8BK6-NP	117/32	7/16	3/8



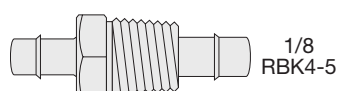
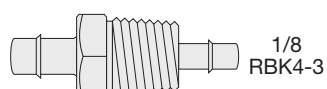
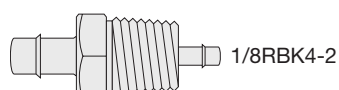
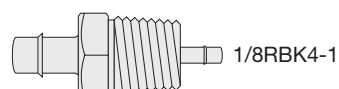
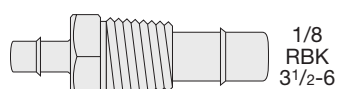
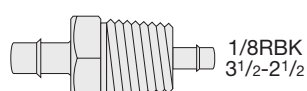
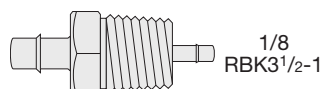
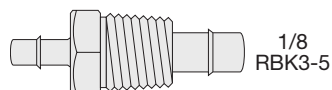
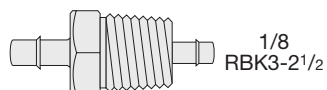
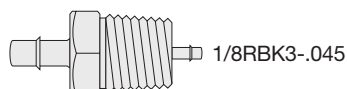
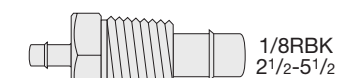
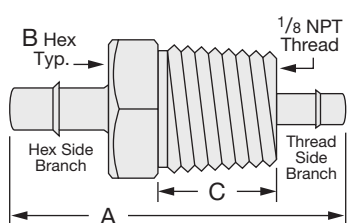
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1/8 NPT In-line Reducing Bulkhead Fittings

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

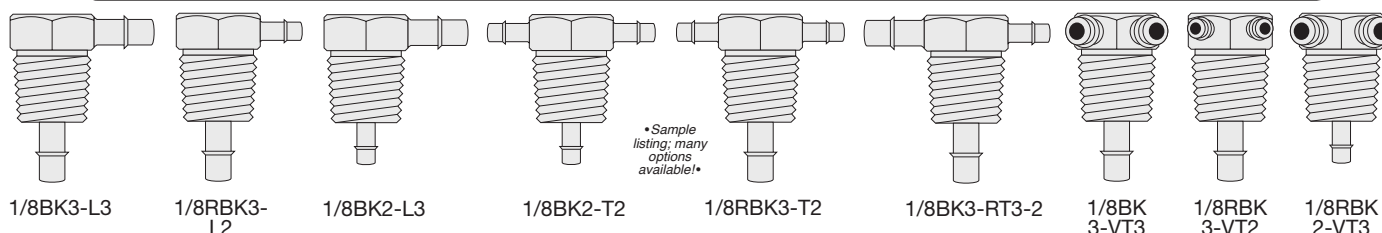


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1/8 NPT In-line Reducing Bulkhead Fittings (cont.)**685**

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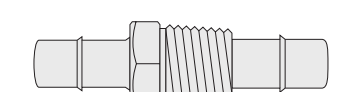
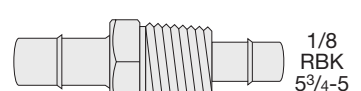
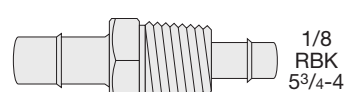
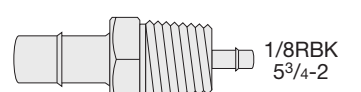
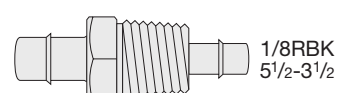
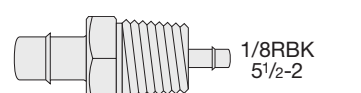
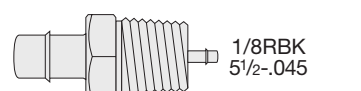
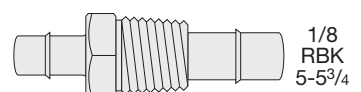
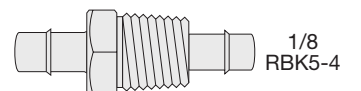
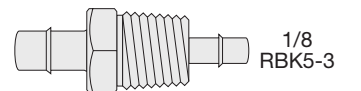
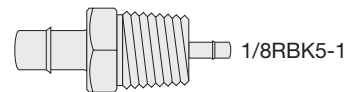
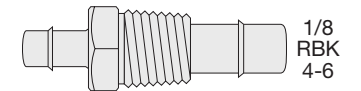
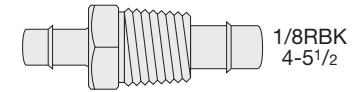
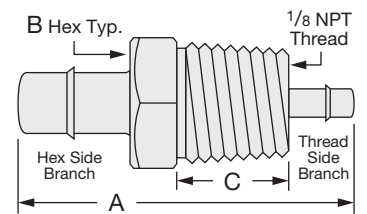
Tube ID		Part Numbers					Dimensions (Reference)		
Hex Side Branch	Thread Side Branch	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
3/32	7/32	1/8RBK 2 1/2-5 1/2	1/8RBK 2 1/2-5 1/2-SS	1/8RBK 2 1/2-5 1/2-316SS	1/8RBK 2 1/2-5 1/2-AL	1/8RBK 2 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	2 1/2-4	1/8RBK 2 1/2-6	1/8RBK 2 1/2-6-SS	1/8RBK 2 1/2-6-316SS	1/8RBK 2 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	1/8RBK 3 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	1/8RBK 3 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	1/8RBK 3 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	1/8RBK 3 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	1/8RBK 3 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	1/8RBK 3 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	1/8RBK 4-2 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!

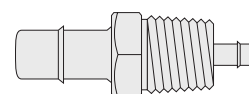
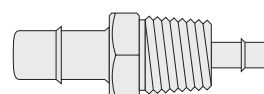
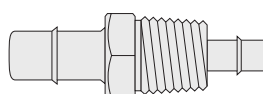
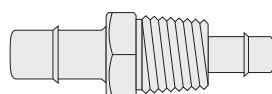
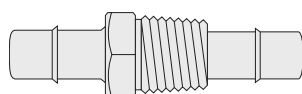
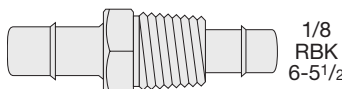
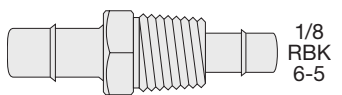
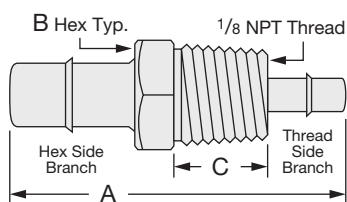
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1/8 NPT In-line Reducing Bulkhead Fittings (cont.)

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	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

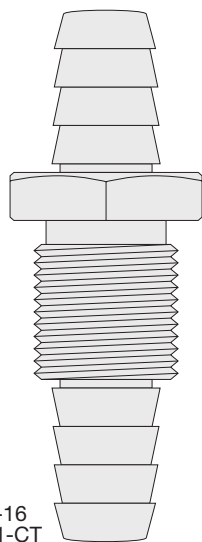
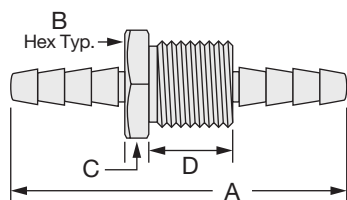


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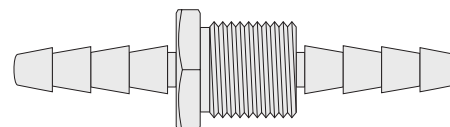
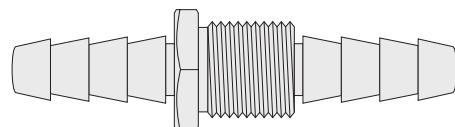
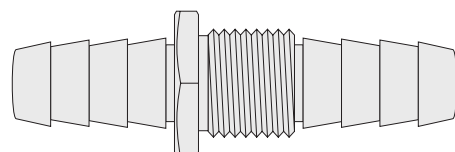
1/8 NPT In-line Reducing Bulkhead Fittings (cont.)**687**

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

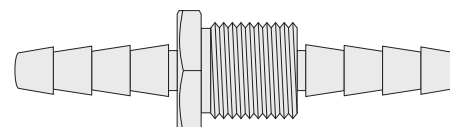
PLEASE NOTE: These drawings have been altered (rotated 180°) compared to the previous catalog to better represent the part numbers!

Multi-Barb Bulkhead Fittings with Lockwasher & Nut**688**

9/16-18 BK8-CT



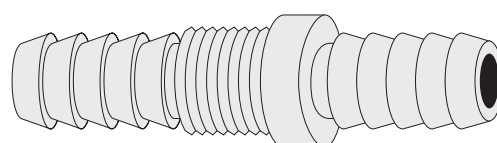
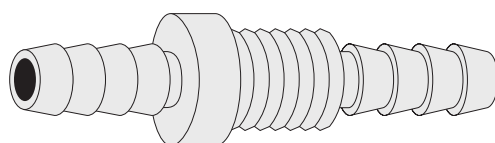
1/2-24BK3-CT



1/2-24BK5-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	9/16-18BK8-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	3/4-16BK11-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

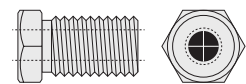
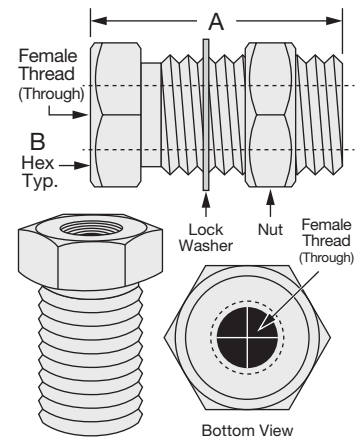
Multi-Barb Bulkheads are also available with Round Bodies! Consult factory for details!



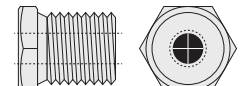
689

Reducing Bulkhead Bushings with Lockwasher & Nut

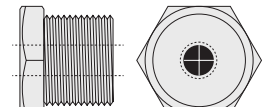
Male Thread	Female Thread	Part Numbers					Dimensions (Reference)	
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.
5/16-24	10-32	RBB-5/16-24x10	RBB-5/16-24x10-SS	RBB-5/16-24x10-316SS	RBB-5/16-24x10-AL	RBB-5/16-24x10-NP	3/4	3/8
3/8-24	10-32	RBB-3/8-24x10	RBB-3/8-24x10-SS	RBB-3/8-24x10-316SS	RBB-3/8-24x10-AL	RBB-3/8-24x10-NP	1/2	7/16
15/32-32	10-32	RBB-15/32-32x10	RBB-15/32-32x10-SS	RBB-15/32-32x10-316SS	RBB-15/32-32x10-AL	RBB-15/32-32x10-NP	1/2	9/16
15/32-32	1/8 NPT	RBB-15/32-32x1/8	RBB-15/32-32x1/8-SS	RBB-15/32-32x1/8-316SS	RBB-15/32-32x1/8-AL	RBB-15/32-32x1/8-NP	1/2	9/16
5/8-18	1/8 NPT	RBB-5/8-18x1/8	RBB-5/8-18x1/8-SS	RBB-5/8-18x1/8-316SS	RBB-5/8-18x1/8-AL	RBB-5/8-18x1/8-NP	1 1/2	7/8
5/8-18	1/8 NPT Short	RBB-5/8-18x1/8-SH	RBB-5/8-18x1/8-SH-SS	RBB-5/8-18x1/8-SH-316SS	RBB-5/8-18x1/8-SH-AL	RBB-5/8-18x1/8-SH-NP	3/4	7/8
3/4-16	1/8 NPT	RBB-3/4-16x1/8	RBB-3/4-16x1/8-SS	RBB-3/4-16x1/8-316SS	RBB-3/4-16x1/8-AL	RBB-3/4-16x1/8-NP	1	7/8
3/4-16	1/8 NPT Short	RBB-3/4-16x1/8-SH	RBB-3/4-16x1/8-SH-SS	RBB-3/4-16x1/8-SH-316SS	RBB-3/4-16x1/8-SH-AL	RBB-3/4-16x1/8-SH-NP	3/4	7/8
3/4-16	1/4	RBB-3/4-16x1/4	RBB-3/4-16x1/4-SS	RBB-3/4-16x1/4-316SS	RBB-3/4-16x1/4-AL	RBB-3/4-16x1/4-NP	1	7/8
3/4-16	1/4 NPT Short	RBB-3/4-16x1/4-SH	RBB-3/4-16x1/4-SH-SS	RBB-3/4-16x1/4-SH-316SS	RBB-3/4-16x1/4-SH-AL	RBB-3/4-16x1/4-SH-NP	3/4	7/8
3/4-20	1/8 NPT	RBB-3/4-20x1/8	RBB-3/4-20x1/8-SS	RBB-3/4-20x1/8-316SS	RBB-3/4-20x1/8-AL	RBB-3/4-20x1/8-NP	1	7/8
3/4-20	1/8 NPT Short	RBB-3/4-20x1/8-SH	RBB-3/4-20x1/8-SH-SS	RBB-3/4-20x1/8-SH-316SS	RBB-3/4-20x1/8-SH-AL	RBB-3/4-20x1/8-SH-NP	3/4	7/8
3/4-20	1/4	RBB-3/4-20x1/4	RBB-3/4-20x1/4-SS	RBB-3/4-20x1/4-316SS	RBB-3/4-20x1/4-AL	RBB-3/4-20x1/4-NP	1	7/8
3/4-20	1/4 NPT Short	RBB-3/4-20x1/4-SH	RBB-3/4-20x1/4-SH-SS	RBB-3/4-20x1/4-SH-316SS	RBB-3/4-20x1/4-SH-AL	RBB-3/4-20x1/4-SH-NP	3/4	7/8
1-14	3/8 NPT	RBB-1-14x3/8	RBB-1-14x3/8-SS	RBB-1-14x3/8-316SS	RBB-1-14x3/8-AL	RBB-1-14x3/8-NP	1.320	1 1/8
1-14	3/8 NPT Short	RBB-1-14x3/8-SH	RBB-1-14x3/8-SH-SS	RBB-1-14x3/8-SH-316SS	RBB-1-14x3/8-SH-AL	RBB-1-14x3/8-SH-NP	1.070	1 1/8
1 1/8-14	1/2 NPT	RBB-1 1/8-14x1/2	RBB-1 1/8-14x1/2-SS	RBB-1 1/8-14x1/2-316SS	RBB-1 1/8-14x1/2-AL	RBB-1 1/8-14x1/2-NP	1 1/2	1 1/4



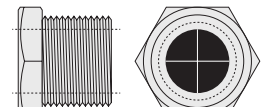
RBB-5/16-24x10



RBB-3/8-24x10



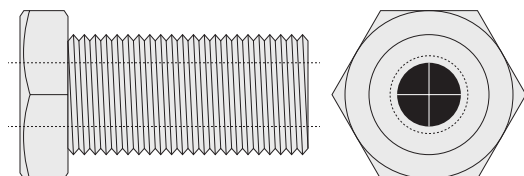
RBB-15/32-32x10



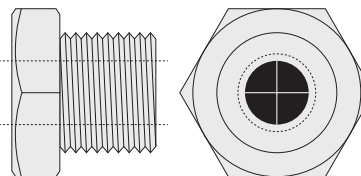
RBB-15/32-32x1/8

NOTE: SH = Short
= Short Thread Length

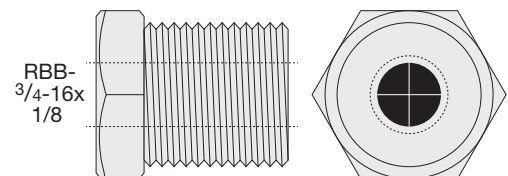
Z



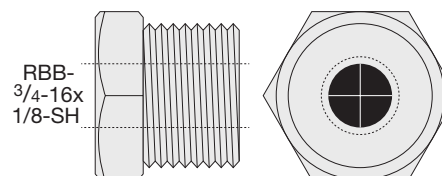
RBB-5/8-18x1/8



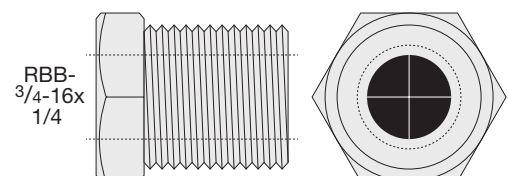
RBB-5/8-18x1/8-SH



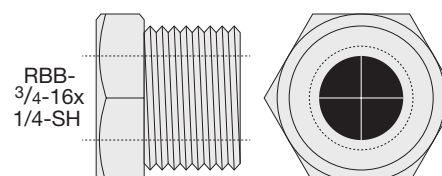
RBB-3/4-16x1/8



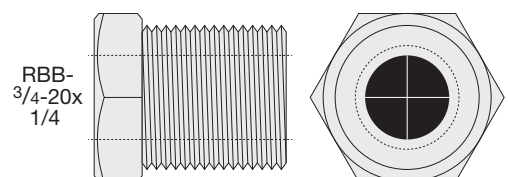
RBB-3/4-16x1/8-SH



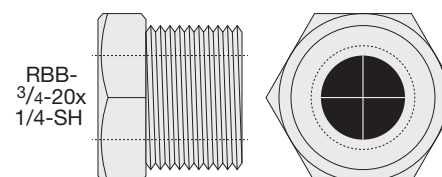
RBB-3/4-16x1/4



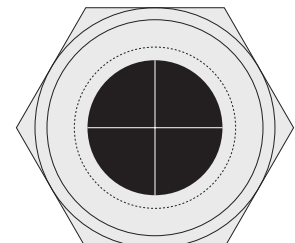
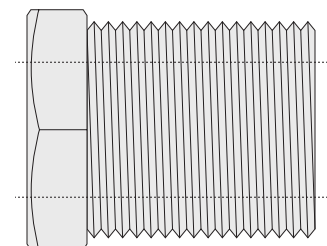
RBB-3/4-16x1/4-SH



RBB-3/4-20x1/4



RBB-3/4-20x1/4-SH

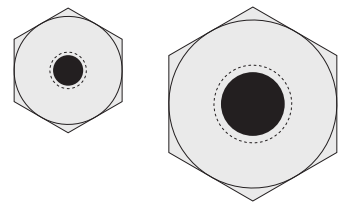
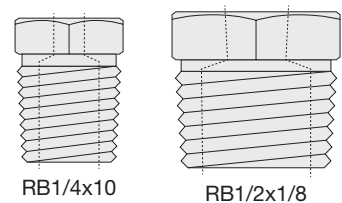
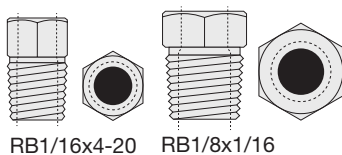
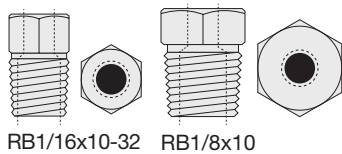
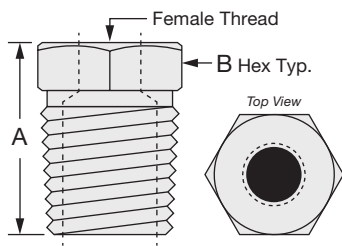


RBB-1 1/8-14x1/8

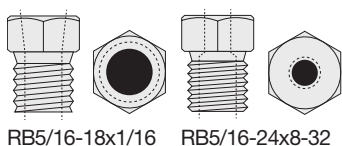
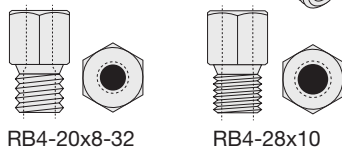
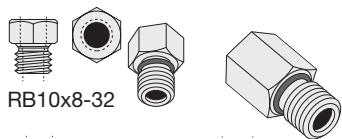
Note: Images are for visual representation only.

Standard Male to Standard Female Reducing Bushings

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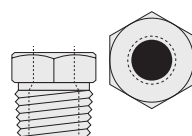
10-32, 1/4-20, 1/4-28, 5/16-18, and 5/16-24 male threads are supplied with Fibre Gaskets! See page 65 for other options!



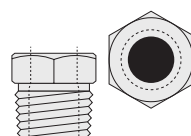
Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	A Ref.	B Typ.
10-32	8-32	RB10x8-32	9/32	5/16
1/4-20	8-32	RB4-20x8-32	17/32	5/16
1/4-20	10-32	RB4-20x10	17/32	5/16
1/4-28	8-32	RB4-28x8-32	17/32	5/16
1/4-28	10-32	RB4-28x10	17/32	5/16
1/4-28	1/4-20	RB4-28x4-20	9/16	3/8
5/16-18	8-32	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	Dimensions (Reference)	
		Brass	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

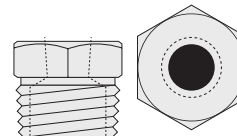
Reducing Bushings available with short threads! Consult factory for details!



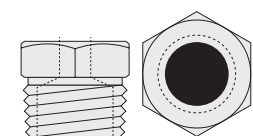
RB1/8x4-28-SH



RB1/8x1/16-SH



RB1/4x1/16-SH



RB1/4xM5-SH

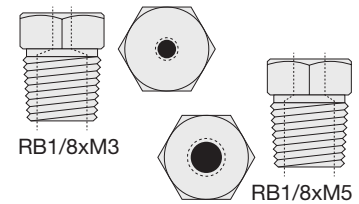
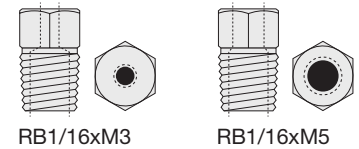
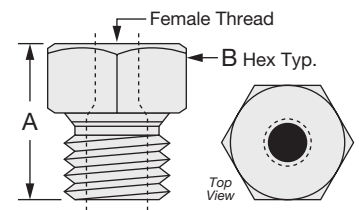
Unless otherwise specified, parts will be Brass. To order other materials, add the following codes to the end of the part number:
-SS = Stainless Steel 303 **-316SS** = Stainless Steel 316 **-AL** = Aluminum **-NP** = Electroless Nickel Plate

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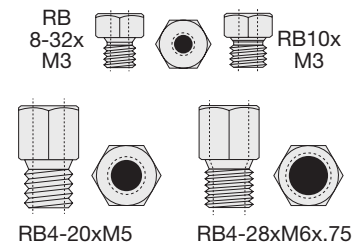
Standard Male to Metric Female Reducing Bushings

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	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

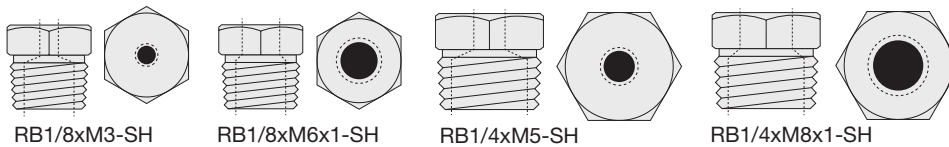
Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	A Ref.	B Typ.
1/8	M3	RB1/8xM3	9/16	7/16
1/8	M5	RB1/8xM5	9/16	7/16
1/8	M6x.75	RB1/8xM6x.75	9/16	7/16
1/8	M6x1	RB1/8xM6x1	9/16	7/16
1/8	M8x.75	RB1/8xM8x.75	27/32	7/16
1/8	M8x1	RB1/8xM8x1	27/32	7/16
1/8	M8x1.25	RB1/8xM8x1.25	27/32	7/16
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	M8x1.25	RB1/4xM8x1.25	3/4	9/16



8-32, 10-32, 1/4-20, & 1/4-28 male threads are supplied with Fibre Gaskets! See page 65 for other options!



Reducing Bushings available with short threads! Consult factory for details!

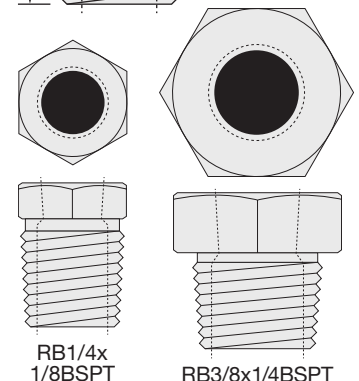
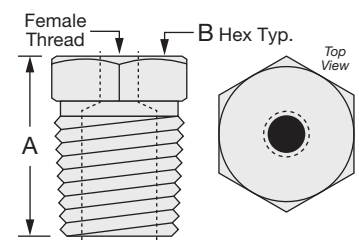


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Standard Male to BSPT Female Reducing Bushings

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	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	Dimensions (Reference)	
		Brass	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

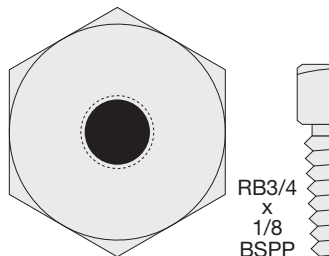
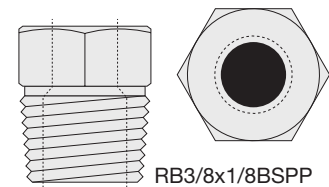
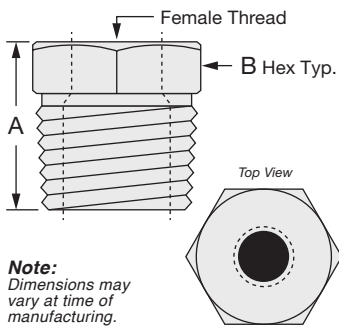


Note: Images are for visual representation only; not intended for measurements. Dimensions may vary at time of manufacturing.

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**

Standard Male to BSPP Female Reducing Bushings

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Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	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	13/16
1/2	1/8 BSPP	RB1/2x1/8BSPP	13/16	13/16
1/2	1/4 BSPP	RB1/2x1/4BSPP	13/16	13/16
1/2	3/8 BSPP	RB1/2x3/8BSPP	13/16	13/16

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	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

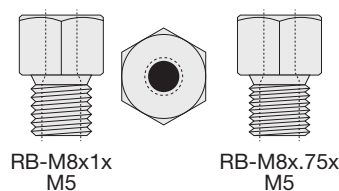
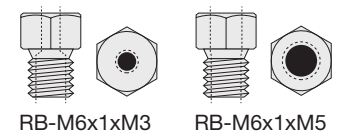
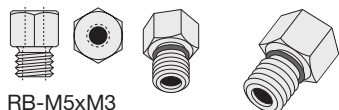
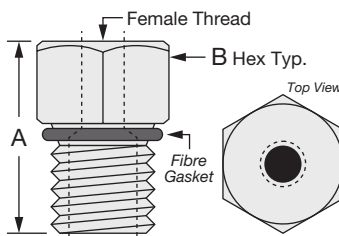
RB3/4
x
1/8
BSPP

RB1/2x1/4BSPP

RB1/4x1/8BSPP RB1/8x1/16BSPP

Metric Male to Metric Female Reducing Bushings with Fibre Gasket Supplied

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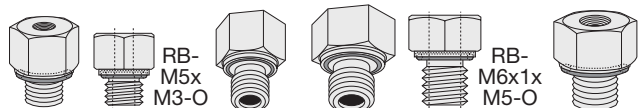


Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	A Ref.	B Typ.
M5	M3	RB-M5xM3	1 1/32	5/16
M6x.75	M3	RB-M6x.75xM3	1 1/32	5/16
M6x.75	M5	RB-M6x.75xM5	1 7/32	5/16
M6x1	M3	RB-M6x1xM3	1 3/32	5/16
M6x1	M5	RB-M6x1xM5	1 7/32	5/16
M8x.75	M3	RB-M8x.75xM3	1 7/32	7/16
M8x.75	M5	RB-M8x.75xM5	1 7/32	7/16
M8x.75	M6x.75	RB-M8x.75xM6x.75	1 7/32	7/16
M8x.75	M6x1	RB-M8x.75xM6x1	1 7/32	7/16

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	A Ref.	B Typ.
M8x1	M3	RB-M8x1xM3	1 7/32	7/16
M8x1	M5	RB-M8x1xM5	1 7/32	7/16
M8x1	M6x.75	RB-M8x1xM6x.75	1 7/32	7/16
M8x1	M6x1	RB-M8x1xM6x1	1 7/32	7/16
M8x 1.25	M3	RB-M8x1.25xM3	1 7/32	7/16
M8x 1.25	M5	RB-M8x1.25xM5	1 7/32	7/16
M8x 1.25	M6x.75	RB-M8x1.25xM6x.75	1 3/32	7/16
M8x 1.25	M6x1	RB-M8x1.25xM6x1	1 7/32	7/16

M4, M7, & M10 Thread options also available!

O-Ring options available! See page 65 for material options!



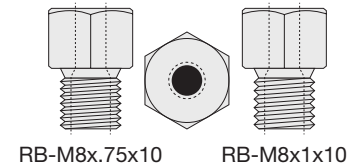
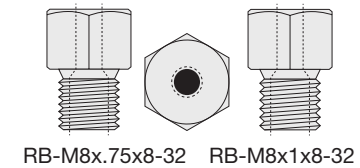
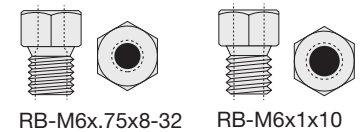
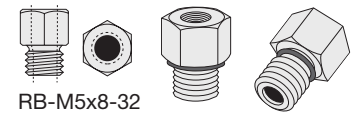
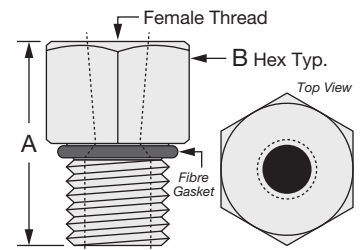
Unless otherwise specified, parts will be Brass. To order other materials, add the following codes to the end of the part number:
-SS = Stainless Steel 303 **-316SS = Stainless Steel 316** **-AL = Aluminum** **-NP = Electroless Nickel Plate**

695 Metric Male to Standard Female Reducing Bushings with Fibre Gasket Supplied

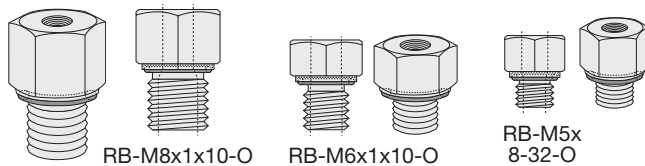
Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	A Ref.	B Typ.
M5	8-32	RB-M5x8-32	1 $\frac{1}{32}$	5 $\frac{1}{16}$
M5	10-32	RB-M5x10	1 $\frac{1}{32}$	5 $\frac{1}{16}$
M6x.75	8-32	RB-M6x.75x8-32	1 $\frac{7}{32}$	5 $\frac{1}{16}$
M6x.75	10-32	RB-M6x.75x10	1 $\frac{7}{32}$	5 $\frac{1}{16}$
M6x1	8-32	RB-M6x1x8-32	1 $\frac{7}{32}$	5 $\frac{1}{16}$
M6x1	10-32	RB-M6x1x10	1 $\frac{7}{32}$	5 $\frac{1}{16}$
M8x.75	8-32	RB-M8x.75x8-32	1 $\frac{7}{32}$	7 $\frac{1}{16}$
M8x.75	10-32	RB-M8x.75x10	1 $\frac{7}{32}$	7 $\frac{1}{16}$
M8x.75	1 $\frac{1}{4}$ -20	RB-M8x.75x4-20	1 $\frac{7}{32}$	7 $\frac{1}{16}$
M8x.75	1 $\frac{1}{4}$ -28	RB-M8x.75x4-28	1 $\frac{7}{32}$	7 $\frac{1}{16}$
M8x.75	1 $\frac{1}{16}$	RB-M8x.75x1/16	1 $\frac{7}{32}$	7 $\frac{1}{16}$

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	A Ref.	B Typ.
M8x1	8-32	RB-M8x1x8-32	1 $\frac{7}{32}$	7 $\frac{1}{16}$
M8x1	10-32	RB-M8x1x10	1 $\frac{7}{32}$	7 $\frac{1}{16}$
M8x1	1 $\frac{1}{4}$ -20	RB-M8x1x4-20	1 $\frac{7}{32}$	7 $\frac{1}{16}$
M8x1	1 $\frac{1}{4}$ -28	RB-M8x1x4-28	1 $\frac{7}{32}$	7 $\frac{1}{16}$
M8x1	1 $\frac{1}{16}$	RB-M8x1x1/16	1 $\frac{7}{32}$	7 $\frac{1}{16}$
M8x 1.25	8-32	RB-M8x1.25x8-32	1 $\frac{7}{32}$	7 $\frac{1}{16}$
M8x 1.25	10-32	RB-M8x1.25x10	1 $\frac{7}{32}$	7 $\frac{1}{16}$
M8x 1.25	1 $\frac{1}{4}$ -20	RB-M8x1.25x4-20	1 $\frac{7}{32}$	7 $\frac{1}{16}$
M8x 1.25	1 $\frac{1}{4}$ -28	RB-M8x1.25x4-28	1 $\frac{7}{32}$	7 $\frac{1}{16}$
M8x 1.25	1 $\frac{1}{16}$	RB-M8x1.25x1/16	1 $\frac{7}{32}$	7 $\frac{1}{16}$

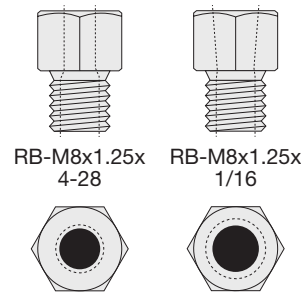
M4, M7, & M10 Thread options also available!



Metric Reducing Bushings available with O-Rings!



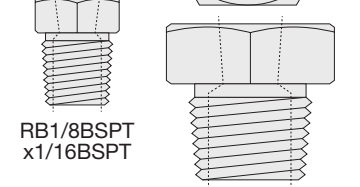
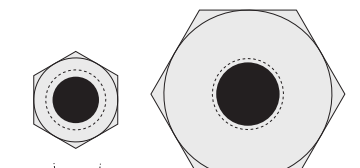
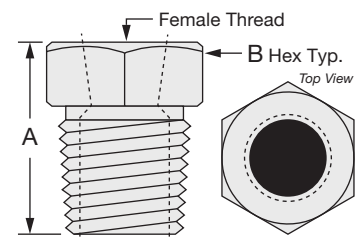
Buna-N is standard. See page 65 for other options!



696 BSPT Male to BSPT Female Reducing Bushings

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	A Ref.	B Typ.
1 $\frac{1}{8}$ BSPT	1 $\frac{1}{16}$ BSPT	RB1/8BSPTx 1/16BSPT	9 $\frac{1}{16}$	7 $\frac{1}{16}$
1 $\frac{1}{4}$ BSPT	1 $\frac{1}{16}$ BSPT	RB1/4BSPTx 1/16BSPT	3 $\frac{3}{4}$	9 $\frac{1}{16}$
1 $\frac{1}{4}$ BSPT	1 $\frac{1}{8}$ BSPT	RB1/4BSPTx 1/8BSPT	3 $\frac{3}{4}$	9 $\frac{1}{16}$
3 $\frac{1}{8}$ BSPT	1 $\frac{1}{16}$ BSPT	RB3/8BSPTx 1/16BSPT	13 $\frac{1}{16}$	7 $\frac{1}{8}$
3 $\frac{1}{8}$ BSPT	1 $\frac{1}{8}$ BSPT	RB3/8BSPTx 1/8BSPT	13 $\frac{1}{16}$	7 $\frac{1}{8}$
3 $\frac{1}{8}$ BSPT	1 $\frac{1}{4}$ BSPT	RB3/8BSPTx 1/4BSPT	13 $\frac{1}{16}$	7 $\frac{1}{8}$
1 $\frac{1}{2}$ BSPT	1 $\frac{1}{16}$ BSPT	RB1/2BSPTx 1/16BSPT	13 $\frac{1}{16}$	7 $\frac{1}{8}$
1 $\frac{1}{2}$ BSPT	1 $\frac{1}{8}$ BSPT	RB1/2BSPTx 1/8BSPT	13 $\frac{1}{16}$	7 $\frac{1}{8}$
1 $\frac{1}{2}$ BSPT	1 $\frac{1}{4}$ BSPT	RB1/2BSPTx 1/4BSPT	13 $\frac{1}{16}$	7 $\frac{1}{8}$
1 $\frac{1}{2}$ BSPT	3 $\frac{1}{8}$ BSPT	RB1/2BSPTx 3/8BSPT	13 $\frac{1}{16}$	7 $\frac{1}{8}$

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	A Ref.	B Typ.
3 $\frac{1}{4}$ BSPT	1 $\frac{1}{16}$ BSPT	RB3/4BSPTx 1/16BSPT	1	1 $\frac{1}{8}$
3 $\frac{1}{4}$ BSPT	1 $\frac{1}{8}$ BSPT	RB3/4BSPTx 1/8BSPT	1	1 $\frac{1}{8}$
3 $\frac{1}{4}$ BSPT	1 $\frac{1}{4}$ BSPT	RB3/4BSPTx 1/4BSPT	1	1 $\frac{1}{8}$
3 $\frac{1}{4}$ BSPT	3 $\frac{1}{8}$ BSPT	RB3/4BSPTx 3/8BSPT	1	1 $\frac{1}{8}$
3 $\frac{1}{4}$ BSPT	1 $\frac{1}{2}$ BSPT	RB3/4BSPTx 1/2BSPT	1	1 $\frac{1}{8}$
1 BSPT	1 $\frac{1}{16}$ BSPT	RB1BSPTx 1/16BSPT	1 $\frac{1}{4}$	1 $\frac{3}{8}$
1 BSPT	1 $\frac{1}{8}$ BSPT	RB1BSPTx 1/8BSPT	1 $\frac{1}{4}$	1 $\frac{3}{8}$
1 BSPT	1 $\frac{1}{4}$ BSPT	RB1BSPTx 1/4BSPT	1 $\frac{1}{4}$	1 $\frac{3}{8}$
1 BSPT	3 $\frac{1}{8}$ BSPT	RB1BSPTx 3/8BSPT	1 $\frac{1}{4}$	1 $\frac{3}{8}$
1 BSPT	1 $\frac{1}{2}$ BSPT	RB1BSPTx 1/2BSPT	1 $\frac{1}{4}$	1 $\frac{3}{8}$
1 BSPT	3 $\frac{1}{4}$ BSPT	RB1BSPTx 3/4BSPT	1 $\frac{1}{4}$	1 $\frac{3}{8}$

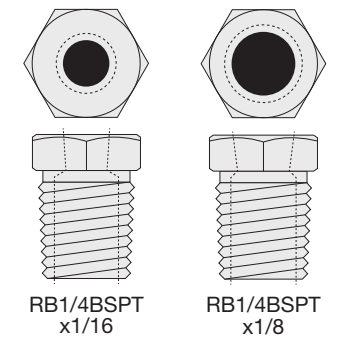
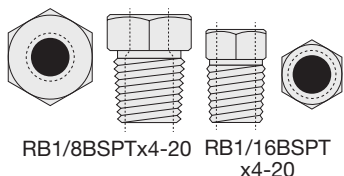
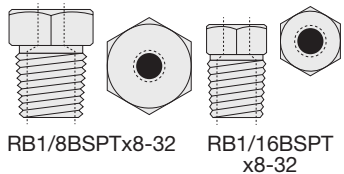
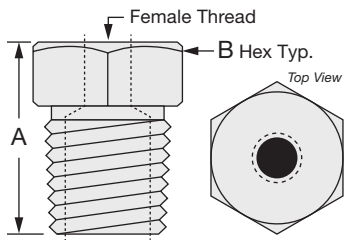


Note: Images are for visual representation only; not intended for measurements. Dimensions may vary at time of manufacturing.

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 -NP = Electroless Nickel Plate

BSPT Male to Standard Female Reducing Bushings

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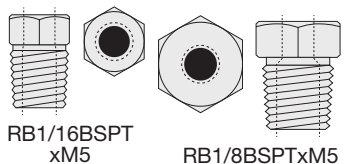
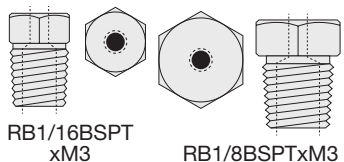
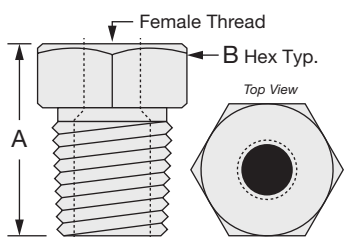
Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	A Ref.	B Typ.
1/16 BSPT	8-32	RB1/16BSPTx8-32	17/32	5/16
1/16 BSPT	10-32	RB1/16BSPTx10	17/32	5/16
1/8 BSPT	8-32	RB1/8BSPTx8-32	9/16	7/16
1/8 BSPT	10-32	RB1/8BSPTx10	9/16	7/16
1/8 BSPT	1/4-20	RB1/8BSPTx4-20	9/16	7/16
1/8 BSPT	1/4-28	RB1/8BSPTx4-28	9/16	7/16
1/8 BSPT	5/16-18	RB1/8BSPTx5/16-18	9/16	7/16
1/8 BSPT	5/16-24	RB1/8BSPTx5/16-24	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	RB1/4BSPTx5/16-18	3/4	9/16
1/4 BSPT	5/16-24	RB1/4BSPTx5/16-24	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

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

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	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

BSPT Male to Metric Female Reducing Bushings

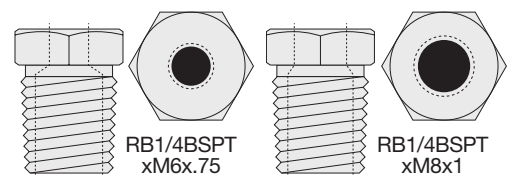
698



Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	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

M4 & M7 Thread options available!
Consult factory for details!

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	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	RB1/4BSPTxM6x1	3/4	9/16
1/4 BSPT	M8x.75	RB1/4BSPTx M8x.75	3/4	9/16
1/4 BSPT	M8x1	RB1/4BSPTxM8x1	3/4	9/16
1/4 BSPT	M8x 1.25	RB1/4BSPTx M8x1.25	3/4	9/16

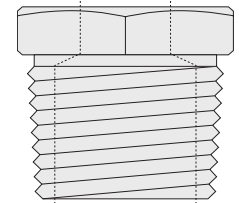
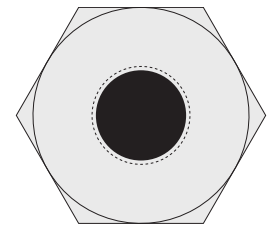
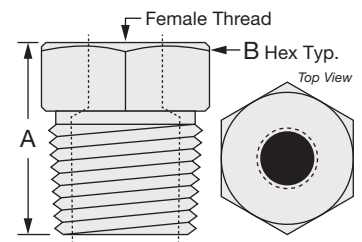
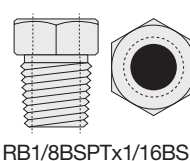
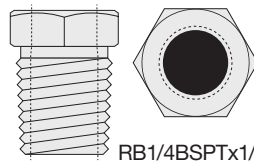
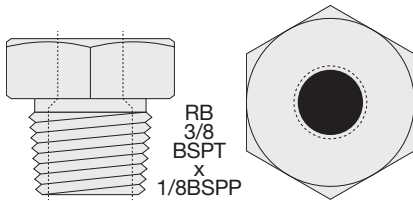


Unless otherwise specified, parts will be Brass. To order other materials, add the following codes to the end of the part number:
-SS = Stainless Steel 303 **-316SS = Stainless Steel 316** **-AL = Aluminum** **-NP = Electroless Nickel Plate**

699

BSPT Male to BSPP Female Reducing Bushings

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	A Ref.	B Typ.
1/8 BSPT	1/16 BSPP	RB1/8BSPTx1/16BSPP	9/16	7/16
1/4 BSPT	1/16 BSPP	RB1/4BSPTx1/16BSPP	3/4	9/16
1/4 BSPT	1/8 BSPP	RB1/4BSPTx1/8BSPP	3/4	9/16
3/8 BSPT	1/16 BSPP	RB3/8BSPTx1/16BSPP	13/16	7/8
3/8 BSPT	1/8 BSPP	RB3/8BSPTx1/8BSPP	13/16	7/8
3/8 BSPT	1/4 BSPP	RB3/8BSPTx1/4BSPP	13/16	7/8
1/2 BSPT	1/16 BSPP	RB1/2BSPTx1/16BSPP	13/16	7/8
1/2 BSPT	1/8 BSPP	RB1/2BSPTx1/8BSPP	13/16	7/8
1/2 BSPT	1/4 BSPP	RB1/2BSPTx1/4BSPP	13/16	7/8
1/2 BSPT	3/8 BSPP	RB1/2BSPTx3/8BSPP	13/16	7/8



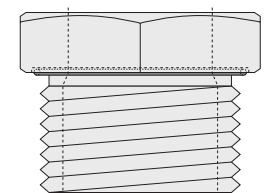
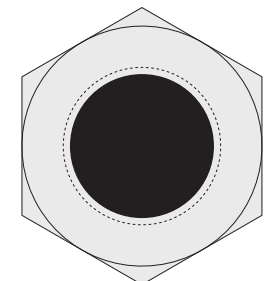
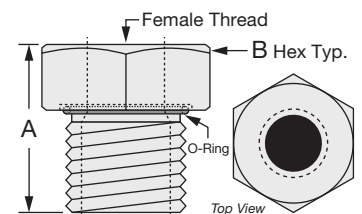
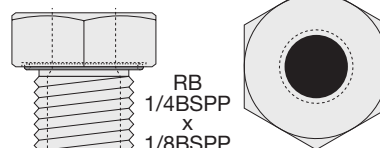
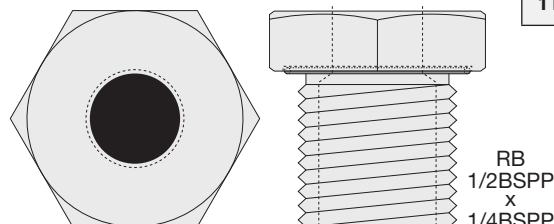
RB3/4BSPTx1/4BSPP

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	Dimensions (Reference)	
		Brass	A Ref.	B Typ.
1/8 BSPP	1/16 BSPP	RB1/8BSPPx1/16BSPP	5/8	5/8
1/4 BSPP	1/16 BSPP	RB1/4BSPPx1/16BSPP	23/32	3/4
1/4 BSPP	1/8 BSPP	RB1/4BSPPx1/8BSPP	23/32	3/4
3/8 BSPP	1/16 BSPP	RB3/8BSPPx1/16BSPP	13/16	1
3/8 BSPP	1/8 BSPP	RB3/8BSPPx1/8BSPP	13/16	1
3/8 BSPP	1/4 BSPP	RB3/8BSPPx1/4BSPP	1 1/4	1
1/2 BSPP	1/16 BSPP	RB1/2BSPPx1/16BSPP	1 1/8	1 1/8
1/2 BSPP	1/8 BSPP	RB1/2BSPPx1/8BSPP	1 1/8	1 1/8
1/2 BSPP	1/4 BSPP	RB1/2BSPPx1/4BSPP	1 1/8	1 1/8
1/2 BSPP	3/8 BSPP	RB1/2BSPPx3/8BSPP	1 1/8	1 1/8



RB3/4BSPPx1/2BSPP

O-Ring options listed on page 65!

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

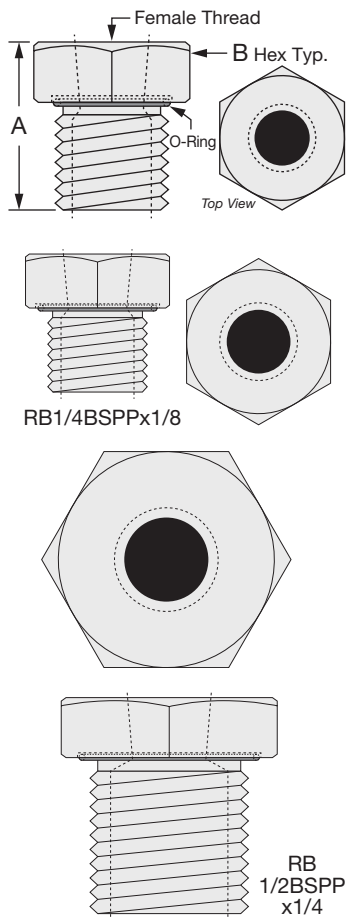
-316SS = Stainless Steel 316

-AL = Aluminum

-NP = Electroless Nickel Plate

BSPP Male to Standard Female Reducing Bushings

701



Note: Images are for visual representation only. Dimensions may vary at time of manufacturing.

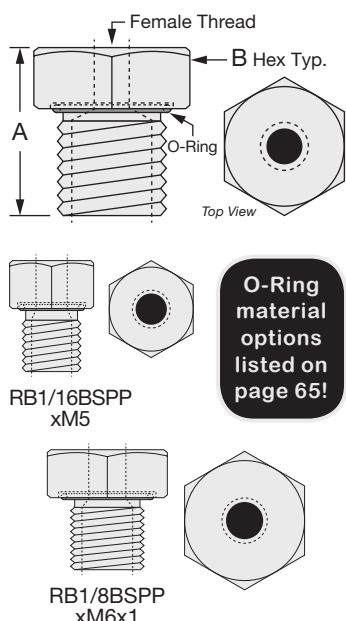
Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	A Ref.	B Typ.
1/16 BSPP	8-32	RB1/16BSPPx8-32	9/16	7/16
1/16 BSPP	10-32	RB1/16BSPPx10	9/16	7/16
1/8 BSPP	8-32	RB1/8BSPPx8-32	5/8	5/8
1/8 BSPP	10-32	RB1/8BSPPx10	5/8	5/8
1/8 BSPP	1/4-20	RB1/8BSPPx4-20	5/8	5/8
1/8 BSPP	1/4-28	RB1/8BSPPx4-28	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	5/8	5/8
1/4 BSPP	8-32	RB1/4BSPPx8-32	23/32	3/4
1/4 BSPP	10-32	RB1/4BSPPx10	23/32	3/4
1/4 BSPP	1/4-20	RB1/4BSPPx4-20	23/32	3/4
1/4 BSPP	1/4-28	RB1/4BSPPx4-28	23/32	3/4
1/4 BSPP	5/16-18	RB1/4BSPPx5/16-18	23/32	3/4
1/4 BSPP	5/16-24	RB1/4BSPPx5/16-24	23/32	3/4
1/4 BSPP	1/16	RB1/4BSPPx1/16	23/32	3/4
1/4 BSPP	1/8	RB1/4BSPPx1/8	23/32	3/4

O-Ring material options listed on page 65!

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	A Ref.	B Typ.
3/8 BSPP	1/16	RB3/8BSPPx1/16	13/16	1
3/8 BSPP	1/8	RB3/8BSPPx1/8	13/16	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	1 1/8	1 1/8
1/2 BSPP	1/4	RB1/2BSPPx1/4	1 1/8	1 1/8
1/2 BSPP	3/8	RB1/2BSPPx3/8	1 1/8	1 1/8
3/4 BSPP	1/16	RB3/4BSPPx1/16	1	1 1/8
3/4 BSPP	1/8	RB3/4BSPPx1/8	1	1 1/8
3/4 BSPP	1/4	RB3/4BSPPx1/4	1	1 1/8
3/4 BSPP	3/8	RB3/4BSPPx3/8	1	1 1/8
3/4 BSPP	1/2	RB3/4BSPPx1/2	1	1 1/8
1 BSPP	1/16	RB1BSPPx1/16	1 1/4	1 3/8
1 BSPP	1/8	RB1BSPPx1/8	1 1/4	1 3/8
1 BSPP	1/4	RB1BSPPx1/4	1 1/4	1 3/8
1 BSPP	3/8	RB1BSPPx3/8	1 1/4	1 3/8
1 BSPP	1/2	RB1BSPPx1/2	1 1/4	1 3/8
1 BSPP	3/4	RB1BSPPx3/4	1 1/4	1 3/8

BSPP Male to Metric Female Reducing Bushings

702

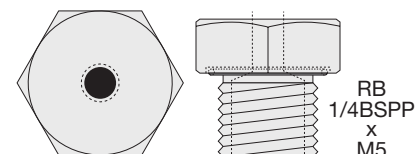


O-Ring material options listed on page 65!

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	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	RB1/8BSPPxM6x.75	5/8	5/8
1/8 BSPP	M6x1	RB1/8BSPPxM6x1	5/8	5/8
1/8 BSPP	M8x.75	RB1/8BSPPxM8x.75	5/8	5/8
1/8 BSPP	M8x1	RB1/8BSPPxM8x1	5/8	5/8
1/8 BSPP	M8x1.25	RB1/8BSPPxM8x1.25	5/8	5/8

M4 & M7 Thread options also available! Consult factory for details!

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	A Ref.	B Typ.
1/4 BSPP	M3	RB1/4BSPPxM3	23/32	3/4
1/4 BSPP	M5	RB1/4BSPPxM5	23/32	3/4
1/4 BSPP	M6x.75	RB1/4BSPPxM6x.75	23/32	3/4
1/4 BSPP	M6x1	RB1/4BSPPxM6x1	23/32	3/4
1/4 BSPP	M8x.75	RB1/4BSPPxM8x.75	23/32	3/4
1/4 BSPP	M8x1	RB1/4BSPPxM8x1	23/32	3/4
1/4 BSPP	M8x1.25	RB1/4BSPPxM8x1.25	23/32	3/4



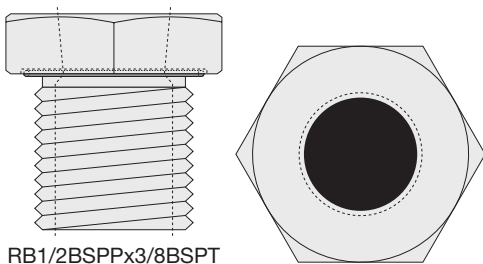
Unless otherwise specified, parts will be Brass. To order other materials, add the following codes to the end of the part number:
-SS = Stainless Steel 303 **-316SS = Stainless Steel 316** **-AL = Aluminum** **-NP = Electroless Nickel Plate**

703

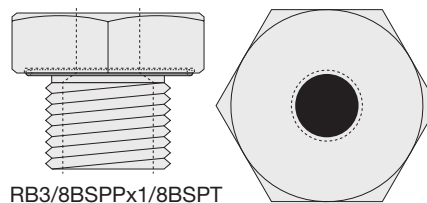
BSP Male to BSPT Female Reducing Bushings

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	A Ref.	B Typ.
1/8 BSP	1/16 BSPT	RB1/8BSPPx 1/16BSPT	5/8	5/8
1/4 BSP	1/16 BSPT	RB1/4BSPPx 1/16BSPT	23/32	3/4
1/4 BSP	1/8 BSPT	RB1/4BSPPx 1/8BSPT	23/32	3/4
3/8 BSP	1/16 BSPT	RB3/8BSPPx 1/16BSPT	13/16	1
3/8 BSP	1/8 BSPT	RB3/8BSPPx 1/8BSPT	13/16	1
3/8 BSP	1/4 BSPT	RB3/8BSPPx 1/4BSPT	1 1/4	1
1/2 BSP	1/16 BSPT	RB1/2BSPPx 1/16BSPT	1 1/8	1 1/8
1/2 BSP	1/8 BSPT	RB1/2BSPPx 1/8BSPT	1 1/8	1 1/8
1/2 BSP	1/4 BSPT	RB1/2BSPPx 1/4BSPT	1 1/8	1 1/8
1/2 BSP	3/8 BSPT	RB1/2BSPPx 3/8BSPT	1 1/8	1 1/8

O-Ring material options listed on page 65!

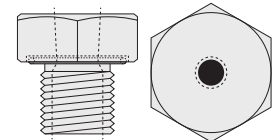
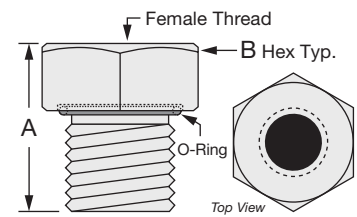


RB1/2BSPPx3/8BSPT

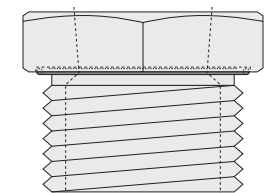


RB3/8BSPPx1/8BSPT

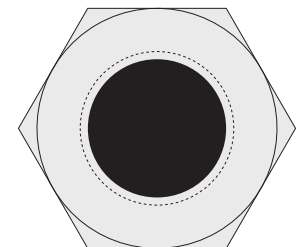
Note: Images are for visual representation only; not intended for measurements. Dimensions may vary at time of manufacturing.



RB1/8BSPPx1/16BSPT

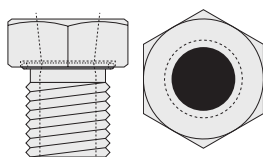


RB3/4BSPPx1/2BSPT

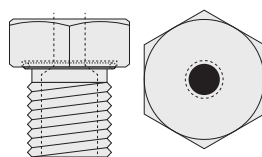


Unless otherwise specified, parts will be Brass. To order other materials, add the following codes to the end of the part number:
-SS = Stainless Steel 303 **-316SS** = Stainless Steel 316 **-AL** = Aluminum **-NP** = Electroless Nickel Plate

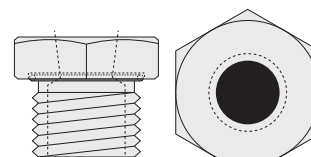
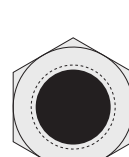
SAE Standard thread options also available! Consult factory for details & specifications!



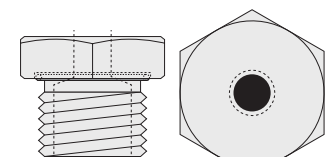
RB7/16-20-SAE x 1/8



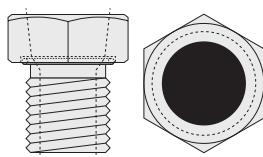
RB7/16-20-SAE x M5



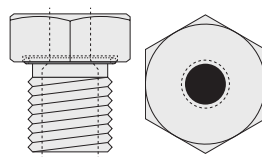
RB9/16-18-SAE x 1/8



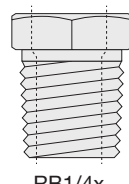
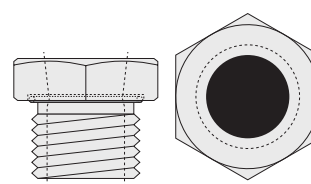
RB9/16-18-SAE x M6 x 1



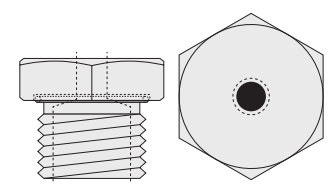
RB7/16-20-SAE x 1/4



RB7/16-20-SAE x 4-28


RB1/4 x
7/16-20-SAE


RB9/16-18-SAE x 1/4



RB9/16-18-SAE x 10-32

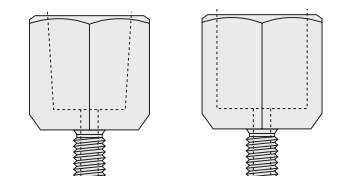
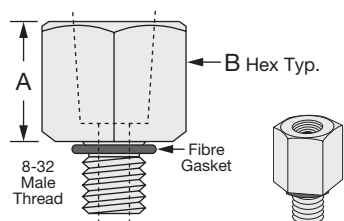
SAE Standard male threads are supplied with Buna-N O-rings.
Other O-Ring material options are listed on page 65!

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

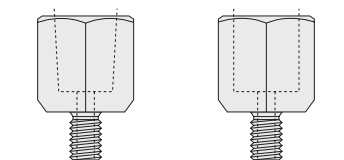
Other Male Thread to Female Thread fittings listed on the following pages, in the Adapters section of this catalog!

8-32 Male to Female Thread Adapters with Fibre Gasket Supplied

704

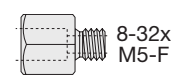
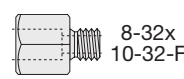
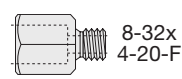
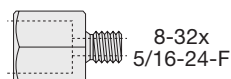
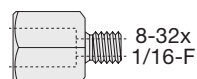


8-32x1/4BSPT-F 8-32x1/4BSPP-F



8-32x1/8BSPT-F 8-32x1/8BSPP-F

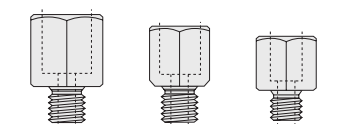
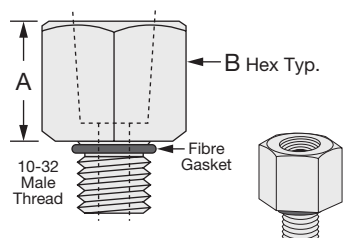
Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
			A Ref.	B Typ.
8-32	10-32	8-32x10-32-F	9/32	5/16
	1/4-20	8-32x4-20-F	5/16	5/16
	1/4-28	8-32x4-28-F	5/16	5/16
	1/16	8-32x1/16-F	3/8	3/8
	5/16-18	8-32x5/16-18-F	3/8	3/8
	5/16-24	8-32x5/16-24-F	3/8	3/8
	1/8	8-32x1/8-F	1/2	1/2
	1/4	8-32x1/4-F	19/32	5/8
	M5	8-32xM5-F	9/32	5/16
	M6x.75	8-32xM6x.75-F	9/32	5/16



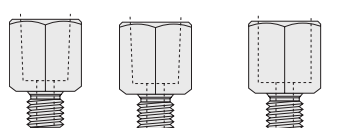
Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
			A Ref.	B Typ.
8-32	M6x1	8-32xM6x1-F	9/32	5/16
	M8x.75	8-32xM8x.75-F	1/2	1/2
	M8x1	8-32xM8x1-F	1/2	1/2
	M8x1.25	8-32xM8x1.25-F	1/2	1/2
	1/16 BSPT	8-32x1/16BSPT-F	1/2	1/2
	1/8 BSPT	8-32x1/8BSPT-F	1/2	1/2
	1/4 BSPT	8-32x1/4BSPT-F	19/32	5/8
	1/16 BSPP	8-32x1/16BSPP-F	1/2	1/2
	1/8 BSPP	8-32x1/8BSPP-F	1/2	1/2
	1/4 BSPP	8-32x1/4BSPP-F	19/32	5/8

10-32 Male to Female Thread Adapters with Fibre Gasket Supplied

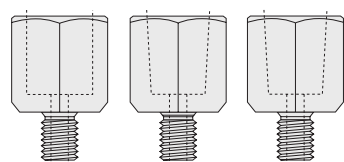
705



10-32x5/16-18-F 10-32x4-28-F 10-32xM5-F

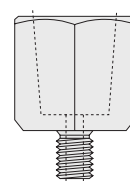
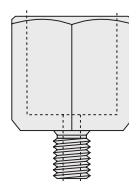
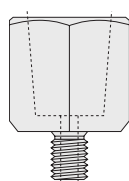


10-32x1/16-F 10-32x1/16BSPT-F 10-32x1/16BSPP-F



10-32x1/8BSPP-F 10-32x1/8-F 10-32x1/8BSPT-F

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
			A Ref.	B Typ.
10-32	1/4-20	10-32x4-20-F	5/16	5/16
	1/4-28	10-32x4-28-F	5/16	5/16
	1/16	10-32x1/16-F	3/8	3/8
	5/16-18	10-32x5/16-18-F	3/8	3/8
	5/16-24	10-32x5/16-24-F	3/8	3/8
	1/8	10-32x1/8-F	1/2	1/2
	1/4	10-32x1/4-F	19/32	5/8
	M5	10-32xM5-F	9/32	5/16
	M6x.75	10-32xM6x.75-F	9/32	3/8
	M6x1	10-32xM6x1-F	9/32	5/16



10-32x1/4BSPT-F

10-32x1/4BSPP-F

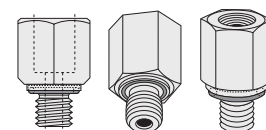
10-32x1/4-F

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
			A Ref.	B Typ.
10-32	M8x.75	10-32xM8x.75-F	1/2	1/2
	M8x1	10-32xM8x1-F	1/2	1/2
	M8x1.25	10-32xM8x1.25-F	1/2	1/2
	1/16 BSPT	10-32x1/16BSPT-F	1/2	1/2
	1/8 BSPT	10-32x1/8BSPT-F	1/2	1/2
	1/4 BSPT	10-32x1/4BSPT-F	19/32	5/8
	1/16 BSPP	10-32x1/16BSPP-F	1/2	1/2
	1/8 BSPP	10-32x1/8BSPP-F	1/2	1/2
	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.

SAE Standard,
M4, M7, M10,
and other thread
options available!
Lead times
and minimum
quantities apply!
Consult factory
for details!

O-Ring options also available!



Material options 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

-NP = Electroless Nickel Plate

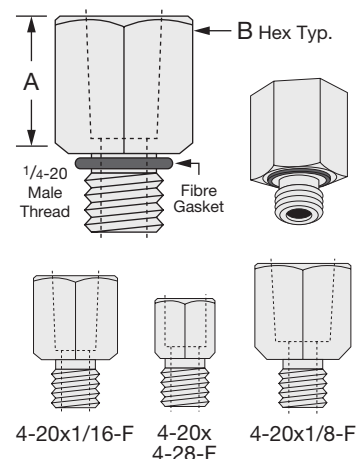
706

4-20 (1/4-20) Male to Female Thread Adapters with Fibre Gasket Supplied

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	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	Dimensions (Reference)	
		Brass	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!



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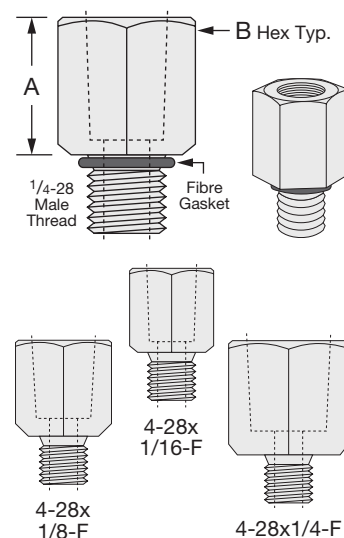
4-28 (1/4-28) Male to Female Thread Adapters with Fibre Gasket Supplied

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	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	Dimensions (Reference)	
		Brass	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!

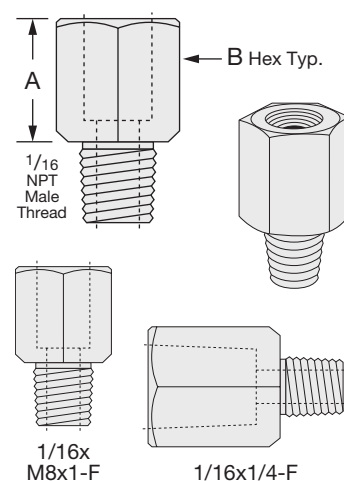
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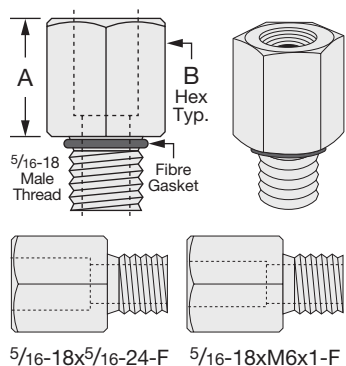
1/16 NPT Male to Female Thread Adapters

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	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	1 1/16	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	Dimensions (Reference)	
		Brass	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

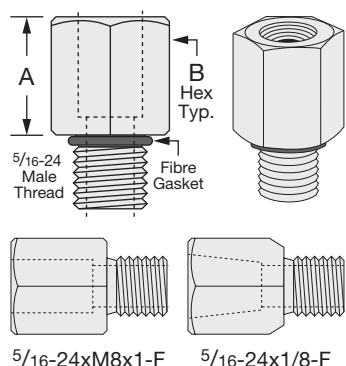
Material options listed on previous page!



5/16-18 Male to Female Thread Adapters with Fibre Gasket Supplied**709**

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	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

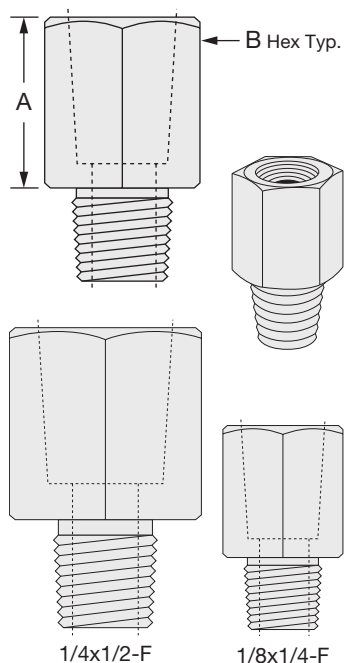
Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	A Ref.	B Typ.
5/16-18	M8x1	5/16-18xM8x1-F	1/2	1/2
5/16-18	M8x1.25	5/16-18xM8x1.25-F	1/2	1/2
5/16-18	1/8 BSPT	5/16-18x1/8BSPT-F	1/2	1/2
5/16-18	1/4 BSPT	5/16-18x1/4BSPT-F	19/32	5/8
5/16-18	1/8 BSPP	5/16-18x1/8BSPP-F	1/2	1/2
5/16-18	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	Dimensions (Reference)	
		Brass	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

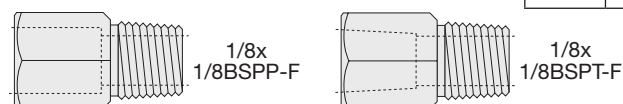
Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	A Ref.	B Typ.
5/16-24	M8x1.25	5/16-24xM8x1.25-F	1/2	1/2
5/16-24	1/8 BSPT	5/16-24x1/8BSPT-F	1/2	1/2
5/16-24	1/4 BSPT	5/16-24x1/4BSPT-F	19/32	5/8
5/16-24	1/8 BSPP	5/16-24x1/8BSPP-F	1/2	1/2
5/16-24	1/4 BSPP	5/16-24x1/4BSPP-F	19/32	5/8

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	Dimensions (Reference)	
		Brass	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	11/16	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	7/8	3/4
1/4	1/2	1/4x1/2-F	1	1
1/4	3/4	1/4x3/4-F	1 1/8	1
1/4	1	1/4x1-F	1 1/5	1 1/16

Note: Dimensions may vary at time of manufacturing.



Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	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	7/8	3/4
1/4	1/2 BSPT	1/4x1/2BSPT-F	1	1
1/4	3/4 BSPT	1/4x3/4BSPT-F	1 1/8	1
1/4	1 BSPT	1/4x1BSPT-F	1 1/5	1 1/16
1/4	1/4 BSPP	1/4x1/4BSPP-F	11/16	5/8
1/4	3/8 BSPP	1/4x3/8BSPP-F	7/8	3/4
1/4	1/2 BSPP	1/4x1/2BSPP-F	1	1
1/4	3/4 BSPP	1/4x3/4BSPP-F	1 1/8	1
1/4	1 BSPP	1/4x1BSPP-F	1 1/5	1 1/16

SAE Threads available!
Consult factory for details!

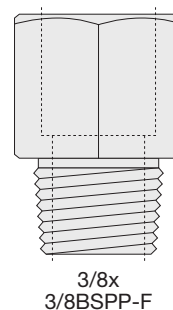
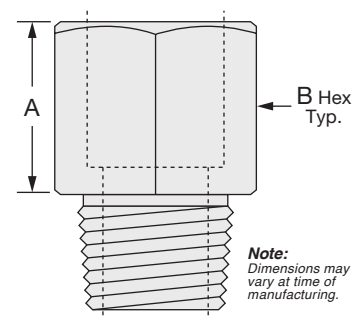
Unless otherwise specified, parts will be Brass. To order other materials, add the following codes to the end of the part number:
-SS = Stainless Steel 303 **-316SS** = Stainless Steel 316 **-AL** = Aluminum **-NP** = Electroless Nickel Plate

712

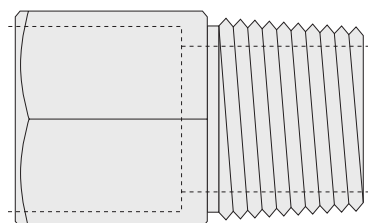
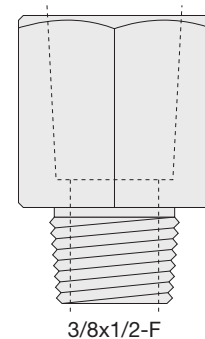
3/8, 1/2, 3/4 & 1 NPT Male to Female Thread Adapters

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	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

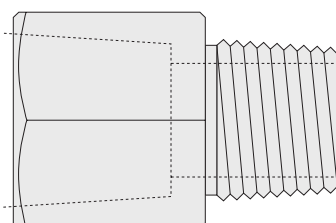
Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	A Ref.	B Typ.
1/2	1/2 BSPT	1/2x1/2BSPT-F	1 1/8	1
1/2	3/4 BSPT	1/2x3/4BSPT-F	1 1/8	1
1/2	1 BSPT	1/2x1BSPT-F	1 1/2	1 1/16
1/2	1/2 BSPP	1/2x1/2BSPP-F	1 1/8	1
1/2	3/4 BSPP	1/2x3/4BSPP-F	1 1/8	1
1/2	1 BSPP	1/2x1BSPP-F	1 1/2	1 1/16
3/4	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



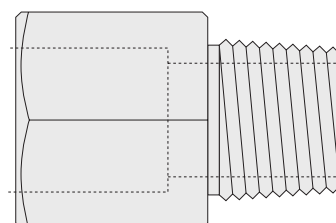
Material options listed on previous page!



3/4x3/4BSPP-F



1/2x3/4-F



1/2x1/2BSPP-F

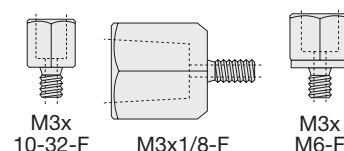
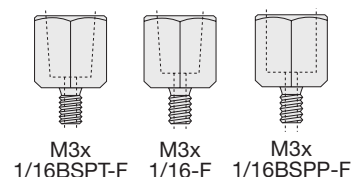
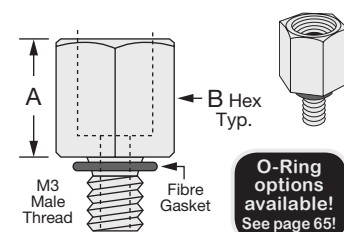
713

M3 Male to Female Thread Adapters with Fibre Gasket Supplied

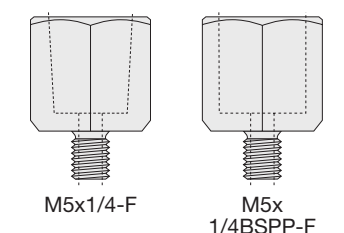
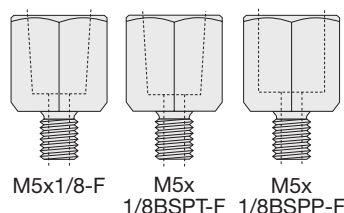
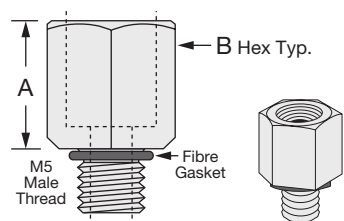
Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	A Ref.	B Typ.
M3	8-32	M3x8-32-F	1/4	1/4
M3	10-32	M3x10-32-F	1/4	1/4
M3	1/4-20	M3x4-20-F	9/32	5/16
M3	1/4-28	M3x4-28-F	9/32	5/16
M3	1/16	M3x1/16-F	5/16	7/16
M3	5/16-18	M3x5/16-18-F	1/2	1/2
M3	5/16-24	M3x5/16-24-F	1/2	1/2
M3	1/8	M3x1/8-F	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	Dimensions (Reference)	
		Brass	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



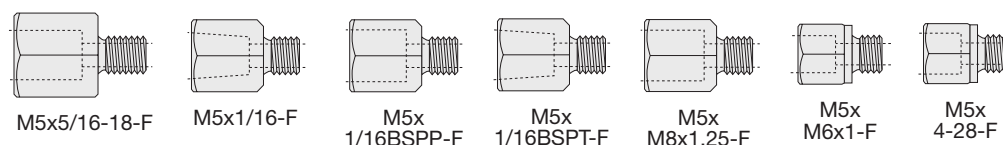
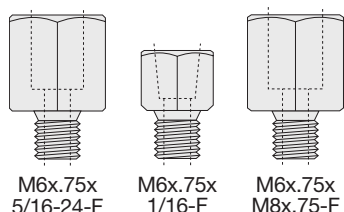
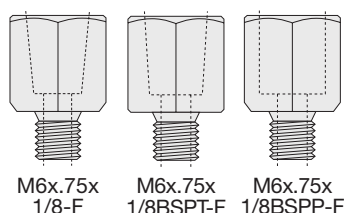
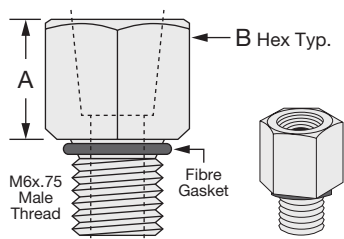
B2

M5 Male to Female Thread Adapters with Fibre Gasket Supplied**714**

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	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

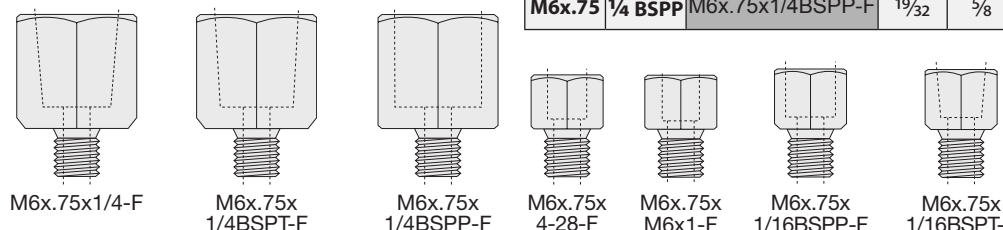
Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	A Ref.	B Typ.
M5	M8x.75	M5xM8x.75-F	1/2	1/2
M5	M8x1	M5xM8x1-F	1/2	1/2
M5	M8x1.25	M5xM8x1.25-F	1/2	1/2
M5	1/16 BSPT	M5x1/16BSPT-F	5/16	7/16
M5	1/8 BSPT	M5x1/8BSPT-F	1/2	1/2
M5	1/4 BSPT	M5x1/4BSPT-F	19/32	5/8
M5	1/16 BSPP	M5x1/16BSPP-F	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	Dimensions (Reference)	
		Brass	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	Dimensions (Reference)	
		Brass	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, M10x1, M10x.75, M10x1, M10x1.5, M12x1, M12x1.25, and M12x1.5 Consult factory for details!

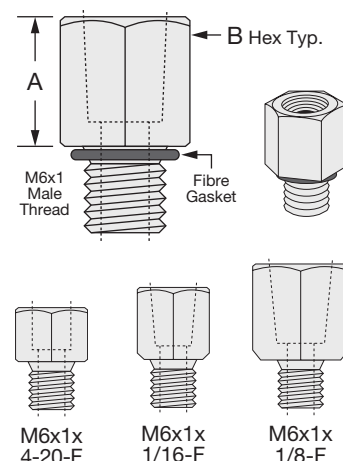
Unless otherwise specified, parts will be Brass. To order other materials, add the following codes to the end of the part number:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -AL = Aluminum -NP = Electroless Nickel Plate

716

M6x1 Male to Female Thread Adapters with Fibre Gasket Supplied

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	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	Dimensions (Reference)	
		Brass	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

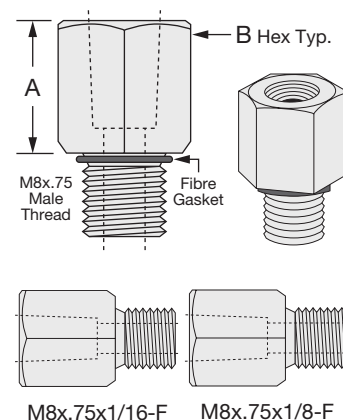


717

M8x.75 Male to Female Thread Adapters with Fibre Gasket Supplied

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	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	Dimensions (Reference)	
		Brass	A Ref.	B Typ.
M8x.75	M8x1.25	M8x.75xM8x1.25-F	1/2	1/2
M8x.75	1/16 BSPT	M8x.75x1/16BSPT-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.75x1/16BSPP-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



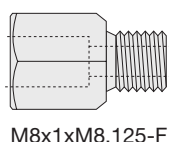
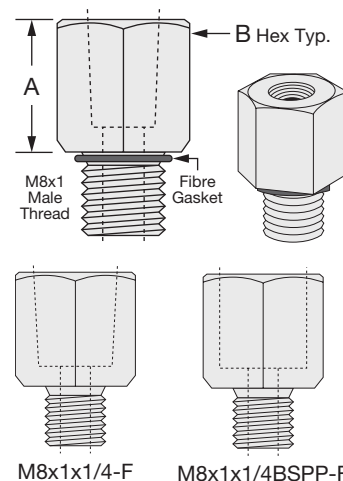
Note: Images are for visual representation only; not intended for measurements. Dimensions may vary at time of manufacturing.

718

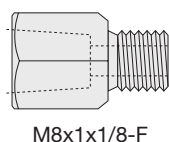
M8x1 Male to Female Thread Adapters with Fibre Gasket Supplied

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	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

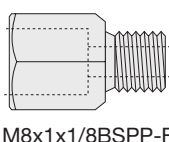
Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	A Ref.	B Typ.
M8x1	1/16 BSPT	M8x1x1/16BSPT-F	1/2	1/2
M8x1	1/8 BSPT	M8x1x1/8BSPT-F	1/2	1/2
M8x1	1/4 BSPT	M8x1x1/4BSPT-F	19/32	5/8
M8x1	1/16 BSPP	M8x1x1/16BSPP-F	1/2	1/2
M8x1	1/8 BSPP	M8x1x1/8BSPP-F	1/2	1/2
M8x1	1/4 BSPP	M8x1x1/4BSPP-F	19/32	5/8



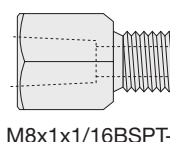
M8x1xM8.125-F



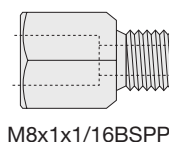
M8x1x1/8-F



M8x1x1/8BSPP-F



M8x1x1/16BSPT-F



M8x1x1/16BSPP-F

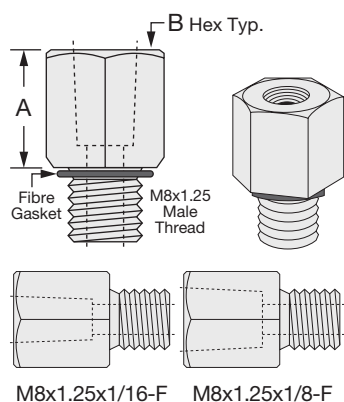
Note: Dimensions may vary at time of manufacturing.

B2

O-Ring options available!

SAE Threads available! Consult factory for details!

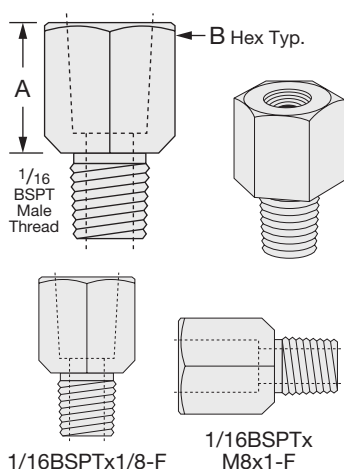
Material options listed on previous page!

M8x1.25 Male to Female Thread Adapters with Fibre Gasket Supplied**719**

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	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

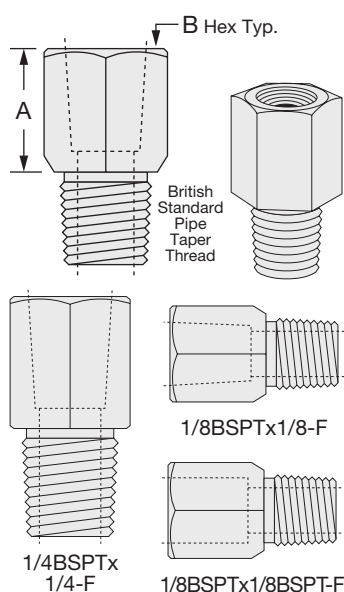
Other Metric options available! Consult factory!

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	A Ref.	B Typ.
M8x1.25	1/16 BSPT	M8x1.25x1/16BSPT-F	1/2	1/2
M8x1.25	1/8 BSPT	M8x1.25x1/8BSPT-F	1/2	1/2
M8x1.25	1/4 BSPT	M8x1.25x1/4BSPT-F	19/32	5/8
M8x1.25	1/16 BSPP	M8x1.25x1/16BSPP-F	1/2	1/2
M8x1.25	1/8 BSPP	M8x1.25x1/8BSPP-F	1/2	1/2
M8x1.25	1/4 BSPP	M8x1.25x1/4BSPP-F	19/32	5/8

1/16 BSPT Male to Female Thread Adapters**720**

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	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	1/16BSPTxM8x.75-F	1/2	1/2
1/16 BSPT	M8x1	1/16BSPTxM8x1-F	1/2	1/2
1/16 BSPT	M8x1.25	1/16BSPTxM8x1.25-F	1/2	1/2

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	A Ref.	B Typ.
1/16 BSPT	M8x1.25	1/16BSPTxM8x1.25-F	1/2	1/2
1/16 BSPT	1/8 BSPT	1/16BSPTx1/8BSPT-F	1/2	1/2
1/16 BSPT	1/4 BSPT	1/16BSPTx1/4BSPT-F	19/32	5/8
1/16 BSPT	1/16 BSPP	1/16BSPTx1/16BSPP-F	1/2	1/2
1/16 BSPT	1/8 BSPP	1/16BSPTx1/8BSPP-F	1/2	1/2
1/16 BSPT	1/4 BSPP	1/16BSPTx1/4BSPP-F	19/32	5/8

SAE Standard Thread options available.
Other Metric Thread options also available!
Consult factory for details!**1/8 & 1/4 BSPT Male to Female Thread Adapters****721**

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	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	1/8BSPTx1/4BSPT-F	5/8	5/8
1/8 BSPT	1/8 BSPP	1/8BSPTx1/8BSPP-F	1/2	1/2
1/8 BSPT	1/4 BSPP	1/8BSPTx1/4BSPP-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	Dimensions (Reference)	
		Brass	A Ref.	B Typ.
1/4 BSPT	3/8 BSPT	1/4BSPTx3/8BSPT-F	3/4	7/8
1/4 BSPT	1/2 BSPT	1/4BSPTx1/2BSPT-F	1	1
1/4 BSPT	3/4 BSPT	1/4BSPTx3/4BSPT-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	1/4BSPTx1/4BSPP-F	11/16	5/8
1/4 BSPT	3/8 BSPP	1/4BSPTx3/8BSPP-F	3/4	7/8
1/4 BSPT	1/2 BSPP	1/4BSPTx1/2BSPP-F	1	1
1/4 BSPT	3/4 BSPP	1/4BSPTx3/4BSPP-F	1	1 1/8
1/4 BSPT	1 BSPP	1/4BSPTx1BSPP-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.

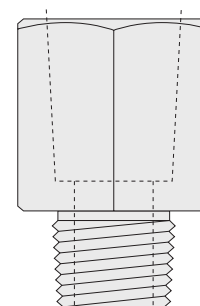
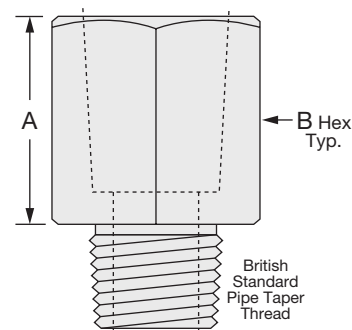
Unless otherwise specified, parts will be Brass. To order other materials, add the following codes to the end of the part number:
-SS = Stainless Steel 303 **-316SS = Stainless Steel 316** **-AL = Aluminum** **-NP = Electroless Nickel Plate**

722

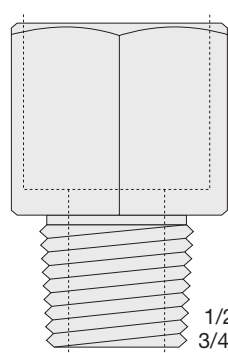
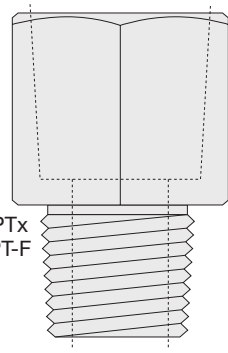
3/8, 1/2, 3/4, & 1 BSPT Male to Female Thread Adapters

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	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

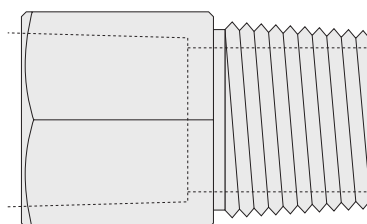
Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	A Ref.	B Typ.
1/2 BSPT	3/4 BSPT	1/2BSPTx 3/4BSPT-F	1	1 1/8
1/2 BSPT	1 BSPT	1/2BSPTx 1BSPT-F	1 1/16	1 1/2
1/2 BSPT	1/2 BSPP	1/2BSPTx 1/2BSPP-F	1	1
1/2 BSPT	3/4 BSPP	1/2BSPTx 3/4BSPP-F	1	1 1/8
1/2 BSPT	1 BSPP	1/2BSPTx 1BSPP-F	1 1/16	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



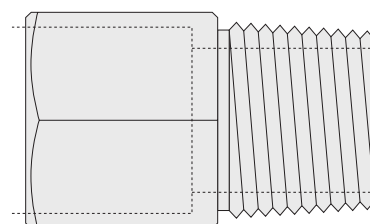
3/8BSPTx1/2-F

1/2BSPTx
3/4BSPT-F1/2BSPTx
3/4BSPP-F

Note: Images are for visual representation only.
Dimensions may vary at time of manufacturing.



3/4BSPTx3/4-F



3/4BSPTx3/4BSPP-F

723

1/16 BSPP Male to Female Thread Adapters with O-Ring Supplied

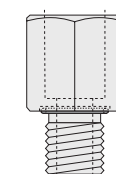
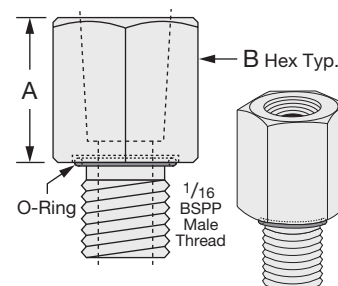
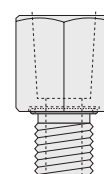
Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	A Ref.	B Typ.
1/16 BSPP	1/16	1/16BSPPx1/16-F	1/2	1/2
1/16 BSPP	5/16-18	1/16BSPPx 5/16-18-F	1/2	1/2
1/16 BSPP	5/16-24	1/16BSPPx 5/16-24-F	1/2	1/2
1/16 BSPP	1/8	1/16BSPPx1/8-F	1/2	1/2
1/16 BSPP	1/4	1/16BSPPx1/4-F	1 1/16	5/8
1/16 BSPP	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	Dimensions (Reference)	
		Brass	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	1/2	1/2
1/16 BSPP	1/8 BSPT	1/16BSPPx 1/8BSPT-F	1/2	1/2
1/16 BSPP	1/4 BSPT	1/16BSPPx 1/4BSPT-F	1 1/16	5/8
1/16 BSPP	1/8 BSPP	1/16BSPPx 1/8BSPP-F	1/2	1/2
1/16 BSPP	1/4 BSPP	1/16BSPPx 1/4BSPP-F	1 1/16	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!

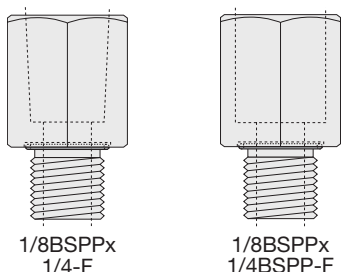
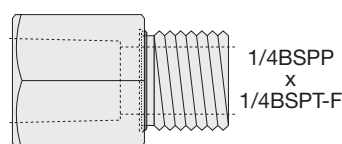
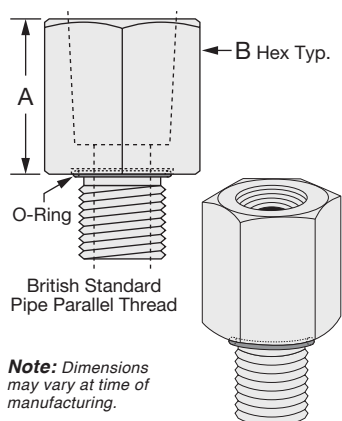
SAE Standard Thread options available.
M4, M7, M10, and other metric thread options
also available! Consult factory for details!

1/16BSPPx
M8x1-F

1/16BSPPx1/8-F

B2

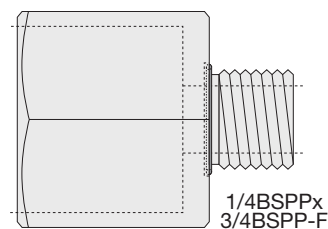
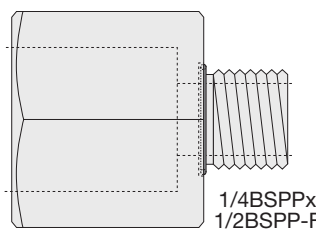
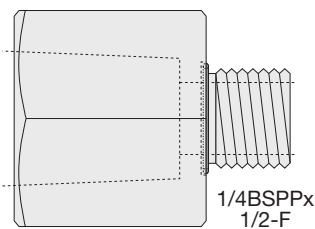
Unless otherwise specified, parts will be Brass. To order other materials, add the following codes to the end of the part number:
-SS = Stainless Steel 303 **-316SS = Stainless Steel 316** **-AL = Aluminum** **-NP = Electroless Nickel Plate**

1/8 & 1/4 BSPP Male to Female Thread Adapters with O-Ring Supplied**724**

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	A Ref.	B Typ.
1/8 BSPP	1/8	1/8BSPPx1/8-F	1 1/16	5/8
1/8 BSPP	1/4	1/8BSPPx1/4-F	1 1/16	5/8
1/8 BSPP	1/8 BSPT	1/8BSPPx 1/8BSPT-F	1 1/16	5/8
1/8 BSPP	1/4 BSPT	1/8BSPPx 1/4BSPT-F	1 1/16	5/8
1/8 BSPP	1/4 BSPP	1/8BSPPx 1/4BSPP-F	1 1/16	5/8
1/4 BSPP	1/4	1/4BSPPx1/4-F	1 1/16	5/8
1/4 BSPP	3/8	1/4BSPPx3/8-F	1 1/16	1 1/16
1/4 BSPP	1/2	1/4BSPPx1/2-F	1	1 1/8
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

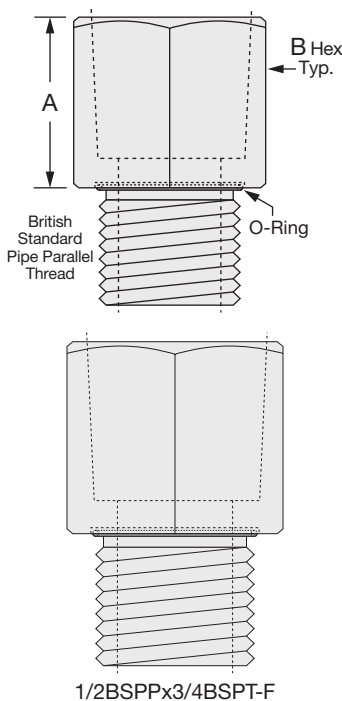
Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	A Ref.	B Typ.
1/4 BSPP	1/4 BSPT	1/4BSPPx 1/4BSPT-F	1 1/16	5/8
1/4 BSPP	3/8 BSPT	1/4BSPPx 3/8BSPT-F	1 1/16	1 1/16
1/4 BSPP	1/2 BSPT	1/4BSPPx 1/2BSPT-F	1	1 1/8
1/4 BSPP	3/4 BSPT	1/4BSPPx 3/4BSPT-F	1	1 1/8
1/4 BSPP	1 BSPT	1/4BSPPx 1BSPT-F	1 1/16	1 1/2
1/4 BSPP	3/8 BSPP	1/4BSPPx 3/8BSPP-F	1 1/16	5/8
1/4 BSPP	1/2 BSPP	1/4BSPPx 1/2BSPP-F	1	1 1/8
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**

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	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 1/16	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	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	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	1	1
1/2 BSPP	3/4	1/2BSPPx3/4-F	1 1/16	1 1/8
1/2 BSPP	1	1/2BSPPx1-F	1 1/8	1 5/8

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	A Ref.	B Typ.
1/2 BSPP	1/2 BSPT	1/2BSPPx 1/2BSPT-F	1	1 1/8
1/2 BSPP	3/4 BSPT	1/2BSPPx 3/4BSPT-F	1 1/16	1 1/2
1/2 BSPP	1 BSPT	1/2BSPPx 1BSPT-F	1 1/8	1 5/8
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 1/16	1 1/2
3/4 BSPP	3/4	3/4BSPPx3/4-F	1 1/16	1 1/8
3/4 BSPP	1	3/4BSPPx1-F	1 1/8	1 1/2
3/4 BSPP	3/4 BSPT	3/4BSPPx 3/4BSPT-F	1 1/16	1 1/2
3/4 BSPP	1 BSPT	3/4BSPPx 1BSPT-F	1	1 1/8
3/4 BSPP	1 BSPP	3/4BSPPx 1BSPP-F	1 1/16	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 listed on page 65! Consult factory for details!

Material options listed on next page!

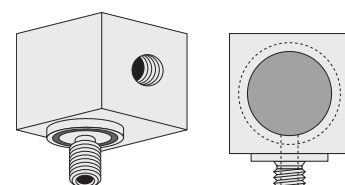
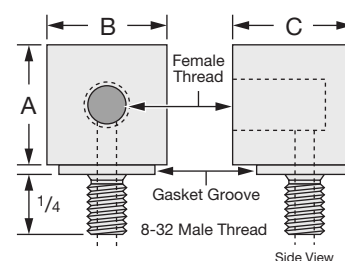
726

8-32 Male to Female Thread 90° Elbow Adapters with Fibre Gasket Supplied

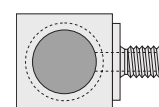
Male Thread	Female Thread	Part Numbers	Dimensions (Reference)		
		Brass	A Ref.	B Ref.	C Ref.
8-32	8-32	8-32x8-32-FL	1/2	1/2	1/2
8-32	10-32	8-32x10-32-FL	1/2	1/2	1/2
8-32	1/4-20	8-32x4-20-FL	1/2	1/2	1/2
8-32	1/4-28	8-32x4-28-FL	1/2	1/2	1/2
8-32	1/16	8-32x1/16-FL	1/2	1/2	1/2
8-32	5/16-18	8-32x5/16-18-FL	1/2	1/2	1/2
8-32	5/16-24	8-32x5/16-24-FL	1/2	1/2	1/2
8-32	1/8	8-32x1/8-FL	1/2	1/2	1/2
8-32	1/4	8-32x1/4-FL	5/8	5/8	5/8
8-32	M5	8-32xM5-FL	1/2	1/2	1/2
8-32	M6x.75	8-32xM6x.75-FL	1/2	1/2	1/2

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)		
		Brass	A Ref.	B Ref.	C Ref.
8-32	M6x1	8-32xM6x1-FL	1/2	1/2	1/2
8-32	M8x.75	8-32xM8x.75-FL	1/2	1/2	1/2
8-32	M8x1	8-32xM8x1-FL	1/2	1/2	1/2
8-32	M8x1.25	8-32xM8x1.25-FL	1/2	1/2	1/2
8-32	1/16 BSPT	8-32x1/16BSPT-FL	1/2	1/2	1/2
8-32	1/8 BSPT	8-32x1/8BSPT-FL	1/2	1/2	1/2
8-32	1/4 BSPT	8-32x1/4BSPT-FL	5/8	5/8	1/2
8-32	1/16 BSPP	8-32x1/16BSPP-FL	1/2	1/2	1/2
8-32	1/8 BSPP	8-32x1/8BSPP-FL	1/2	1/2	1/2
8-32	1/4 BSPP	8-32x1/4BSPP-FL	5/8	5/8	5/8

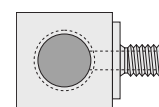
O-Ring options available! Consult factory for details!



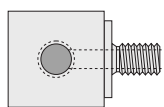
8-32x1/4-FL



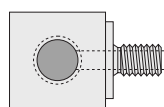
8-32x1/8-FL



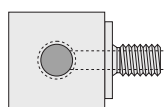
8-32xM8x1-FL

8-32x
1/4BSPP-FL

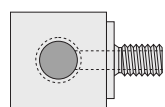
8-32x10-32-FL



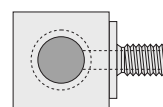
8-32x4-28-FL



8-32xM5-FL



8-32xM6x1-FL



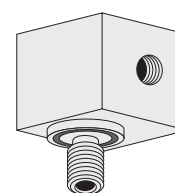
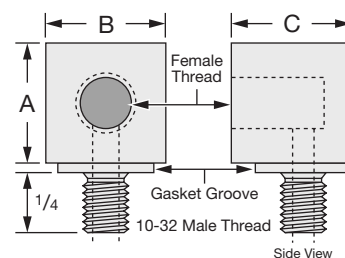
8-32x1/16-FL

727

10-32 Male to Female Thread 90° Elbow Adapters with Fibre Gasket Supplied

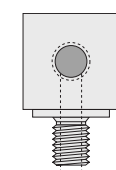
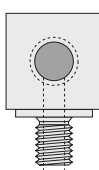
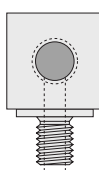
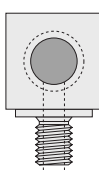
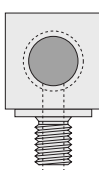
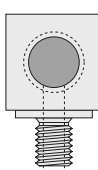
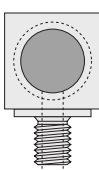
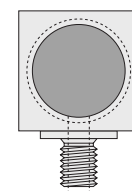
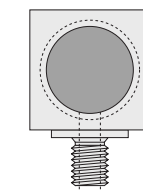
Male Thread	Female Thread	Part Numbers	Dimensions (Reference)		
		Brass	A Ref.	B Ref.	C Ref.
10-32	10-32	10-32x10-32-FL	1/2	1/2	1/2
10-32	1/4-20	10-32x4-20-FL	1/2	1/2	1/2
10-32	1/4-28	10-32x4-28-FL	1/2	1/2	1/2
10-32	1/16	10-32x1/16-FL	1/2	1/2	1/2
10-32	5/16-18	10-32x5/16-18-FL	1/2	1/2	1/2
10-32	5/16-24	10-32x5/16-24-FL	1/2	1/2	1/2
10-32	1/8	10-32x1/8-FL	1/2	1/2	1/2
10-32	1/4	10-32x1/4-FL	5/8	5/8	5/8
10-32	M5	10-32xM5-FL	1/2	1/2	1/2
10-32	M6x.75	10-32xM6x.75-FL	1/2	1/2	1/2

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)		
		Brass	A Ref.	B Ref.	C Ref.
10-32	M6x1	10-32xM6x1-FL	1/2	1/2	1/2
10-32	M8x.75	10-32xM8x.75-FL	1/2	1/2	1/2
10-32	M8x1	10-32xM8x1-FL	1/2	1/2	1/2
10-32	M8x1.25	10-32xM8x1.25-FL	1/2	1/2	1/2
10-32	1/16 BSPT	10-32x1/16BSPT-FL	1/2	1/2	1/2
10-32	1/8 BSPT	10-32x1/8BSPT-FL	1/2	1/2	1/2
10-32	1/4 BSPT	10-32x1/4BSPT-FL	5/8	5/8	5/8
10-32	1/16 BSPP	10-32x1/16BSPP-FL	1/2	1/2	1/2
10-32	1/8 BSPP	10-32x1/8BSPP-FL	1/2	1/2	1/2
10-32	1/4 BSPP	10-32x1/4BSPP-FL	5/8	5/8	5/8

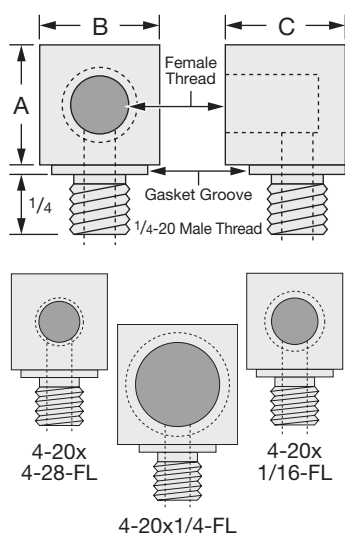
10-32x
1/4BSPP-FL

O-Ring options available! Consult factory for details! See O-Ring material options listed on page 65!

B2

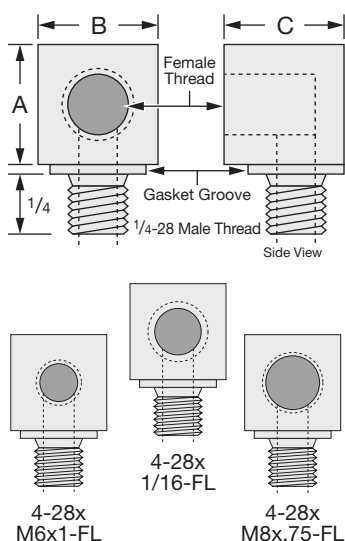
10-32x
M5-FL10-32x
4-20-FL10-32x
M6x.75-FL10-32x
1/16-FL10-32x
5/16-18-FL10-32x
M8x1.25-FL10-32x
1/8-FL10-32x
1/4-FL

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** **-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	Dimensions (Reference)		
		Brass	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	Dimensions (Reference)		
		Brass	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

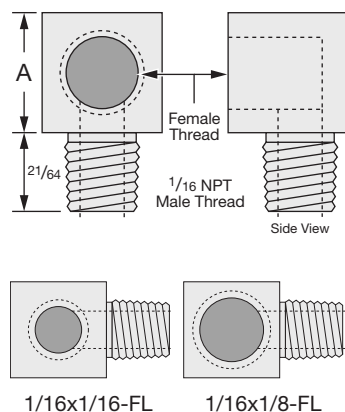
Male Thread	Female Thread	Part Numbers	Dimensions (Reference)		
		Brass	A Ref.	B Ref.	C Ref.
1/4-28	1/4-28	4-28x4-28-FL	1/2	1/2	1/2
1/4-28	1/16	4-28x1/16-FL	1/2	1/2	1/2
1/4-28	5/16-18	4-28x5/16-18-FL	1/2	1/2	1/2
1/4-28	5/16-24	4-28x5/16-24-FL	1/2	1/2	1/2
1/4-28	1/8	4-28x1/8-FL	1/2	1/2	1/2
1/4-28	1/4	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	Dimensions (Reference)		
		Brass	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! Consult factory for details!

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!

1/16 NPT Male to Female Thread 90° Elbow Adapters**730**

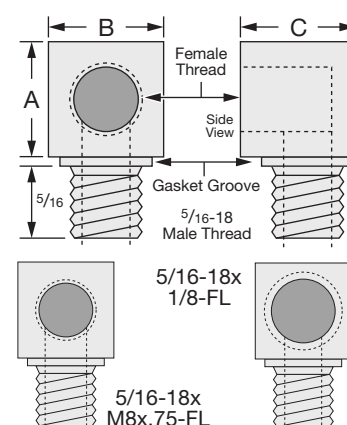
Male Thread	Female Thread	Part Numbers	Dimensions (Reference)		
		Brass	A Ref.	B Ref.	C Ref.
1/16	1/16	1/16x1/16-FL	1/2	1/2	1/2
1/16	5/16-18	1/16x5/16-18-FL	1/2	1/2	1/2
1/16	5/16-24	1/16x5/16-24-FL	1/2	1/2	1/2
1/16	1/8	1/16x1/8-FL	1/2	1/2	1/2
1/16	1/4	1/16x1/4-FL	5/8	5/8	5/8
1/16	M8x.75	1/16xM8x.75-FL	1/2	1/2	1/2
1/16	M8x1	1/16xM8x1-FL	1/2	1/2	1/2

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)		
		Brass	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	Dimensions (Reference)		
		Brass	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

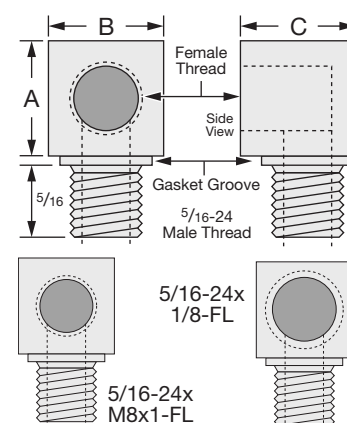
Male Thread	Female Thread	Part Numbers	Dimensions (Reference)		
		Brass	A Ref.	B Ref.	C Ref.
5/16-18	M8x1.25	5/16-18xM8x1.25-FL	1/2	1/2	1/2
5/16-18	1/8 BSPT	5/16-18x1/8BSPT-FL	1/2	1/2	1/2
5/16-18	1/4 BSPT	5/16-18x1/4BSPT-FL	5/8	5/8	5/8
5/16-18	1/16 BSPP	5/16-18x1/16BSPP-FL	1/2	1/2	1/2
5/16-18	1/8 BSPP	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	Dimensions (Reference)		
		Brass	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

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)		
		Brass	A Ref.	B Ref.	C Ref.
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

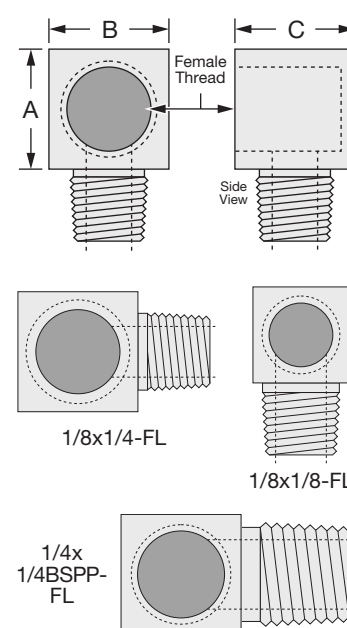
O-Ring options also available!

**733 1/8 & 1/4 NPT Male to Female Thread 90° Elbow Adapters**

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)		
		Brass	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	Consult Factory	Consult Factory
1/4	1/2	1/4x1/2-FL	Consult Factory	Consult Factory	Consult Factory
1/4	3/4	1/4x3/4-FL	Consult Factory	Consult Factory	Consult Factory
1/4	1	1/4x1-FL	Consult Factory	Consult Factory	Consult Factory

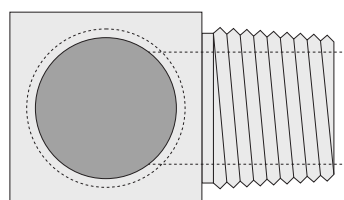
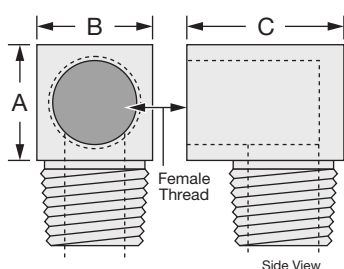
Male Thread	Female Thread	Part Numbers	Dimensions (Reference)		
		Brass	A Ref.	B Ref.	C Ref.
1/4	1/4 BSPT	1/4x1/4BSPT-FL	Consult Factory	Consult Factory	Consult Factory
1/4	3/8 BSPT	1/4x3/8BSPT-FL	Consult Factory	Consult Factory	Consult Factory
1/4	1/2 BSPT	1/4x1/2BSPT-FL	Consult Factory	Consult Factory	Consult Factory
1/4	3/4 BSPT	1/4x3/4BSPT-FL	Consult Factory	Consult Factory	Consult Factory
1/4	1 BSPT	1/4x1BSPT-FL	Consult Factory	Consult Factory	Consult Factory
1/4	1/4 BSPP	1/4x1/4BSPP-FL	Consult Factory	Consult Factory	Consult Factory
1/4	3/8 BSPP	1/4x3/8BSPP-FL	Consult Factory	Consult Factory	Consult Factory
1/4	1/2 BSPP	1/4x1/2BSPP-FL	Consult Factory	Consult Factory	Consult Factory
1/4	3/4 BSPP	1/4x3/4BSPP-FL	Consult Factory	Consult Factory	Consult Factory
1/4	1 BSPP	1/4x1BSPP-FL	Consult Factory	Consult Factory	Consult Factory

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

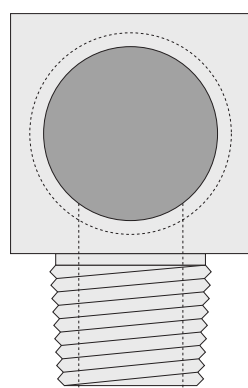


B2

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 -NP = Electroless Nickel Plate

3/8, 1/2, 3/4 & 1 NPT Male to Female Thread 90° Elbow Adapters**734**

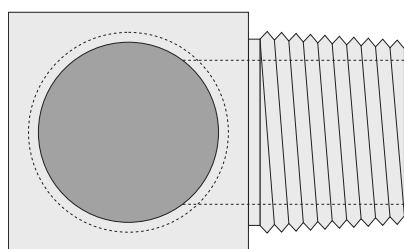
1/2x1/2BSPP-FL



1/2x3/4-FL

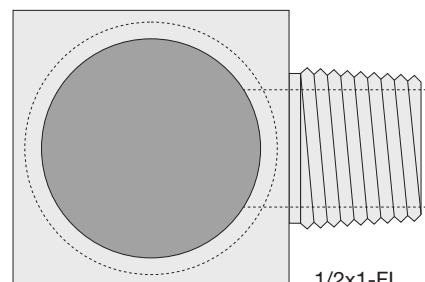
Material options are listed on next page!

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)		
		Brass	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	Consult Factory	Consult Factory	Consult Factory
3/8	3/4	3/8x3/4-FL	Consult Factory	Consult Factory	Consult Factory
3/8	1	3/8x1-FL	Consult Factory	Consult Factory	Consult Factory
3/8	3/8 BSPT	3/8x3/8BSPT-FL	Consult Factory	Consult Factory	Consult Factory
3/8	1/2 BSPT	3/8x1/2BSPT-FL	Consult Factory	Consult Factory	Consult Factory
3/8	3/4 BSPT	3/8x3/4BSPT-FL	Consult Factory	Consult Factory	Consult Factory
3/8	1 BSPT	3/8x1BSPT-FL	Consult Factory	Consult Factory	Consult Factory
3/8	3/8 BSPP	3/8x3/8BSPP-FL	Consult Factory	Consult Factory	Consult Factory
3/8	1/2 BSPP	3/8x1/2BSPP-FL	Consult Factory	Consult Factory	Consult Factory
3/8	3/4 BSPP	3/8x3/4BSPP-FL	Consult Factory	Consult Factory	Consult Factory
3/8	1 BSPP	3/8x1BSPP-FL	Consult Factory	Consult Factory	Consult Factory
1/2	1/2	1/2x1/2-FL	Consult Factory	Consult Factory	Consult Factory
1/2	3/4	1/2x3/4-FL	Consult Factory	Consult Factory	Consult Factory
1/2	1	1/2x1-FL	Consult Factory	Consult Factory	Consult Factory

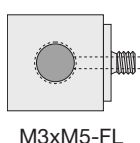
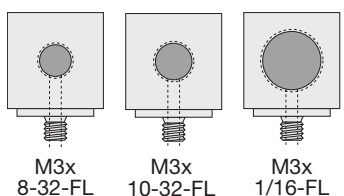
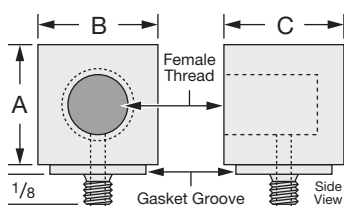


3/4x3/4BSPT-FL

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)		
		Brass	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	Consult Factory	Consult Factory	Consult Factory
1/2	1 BSPT	1/2x1BSPT-FL	Consult Factory	Consult Factory	Consult Factory
1/2	1/2 BSPP	1/2x1/2BSPP-FL	Consult Factory	Consult Factory	Consult Factory
1/2	3/4 BSPP	1/2x3/4BSPP-FL	Consult Factory	Consult Factory	Consult Factory
1/2	1 BSPP	1/2x1BSPP-FL	Consult Factory	Consult Factory	Consult Factory
3/4	3/4	3/4x3/4-FL	Consult Factory	Consult Factory	Consult Factory
3/4	1	3/4x1-FL	Consult Factory	Consult Factory	Consult Factory
3/4	3/4 BSPT	3/4x3/4BSPT-FL	Consult Factory	Consult Factory	Consult Factory
3/4	1 BSPT	3/4x1BSPT-FL	Consult Factory	Consult Factory	Consult Factory
3/4	3/4 BSPP	3/4x3/4BSPP-FL	Consult Factory	Consult Factory	Consult Factory
3/4	1 BSPP	3/4x1BSPP-FL	Consult Factory	Consult Factory	Consult Factory
1	1	1x1-FL	Consult Factory	Consult Factory	Consult Factory
1	1 BSPT	1x1BSPT-FL	Consult Factory	Consult Factory	Consult Factory
1	1 BSPP	1x1BSPP-FL	Consult Factory	Consult Factory	Consult Factory



1/2x1-FL

M3 Male to Female Thread 90° Elbow Adapters with Fibre Gasket Supplied**735**

Material options are listed on next page!

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)		
		Brass	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	Dimensions (Reference)		
		Brass	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

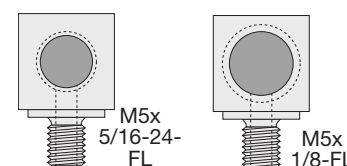
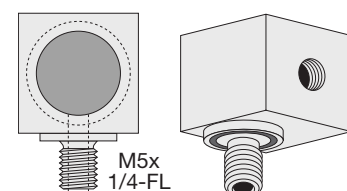
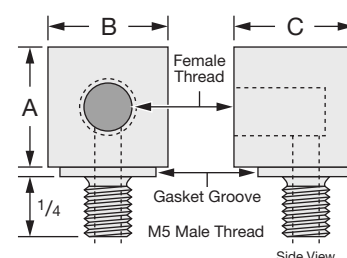
736

M5 Male to Female Thread 90° Elbow Adapters with Fibre Gasket Supplied

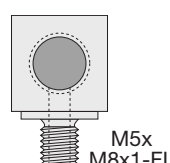
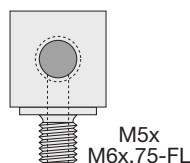
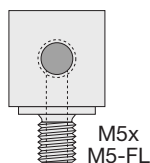
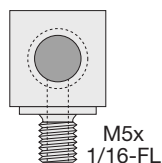
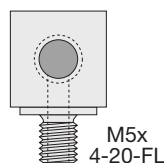
Male Thread	Female Thread	Part Numbers	Dimensions (Reference)		
		Brass	A Ref.	B Ref.	C Ref.
M5	1/4-20	M5x4-20-FL	1/2	1/2	1/2
M5	1/4-28	M5x4-28-FL	1/2	1/2	1/2
M5	1/16	M5x1/16-FL	1/2	1/2	1/2
M5	5/16-18	M5x5/16-18-FL	1/2	1/2	1/2
M5	5/16-24	M5x5/16-24-FL	1/2	1/2	1/2
M5	1/8	M5x1/8-FL	1/2	1/2	1/2
M5	1/4	M5x1/4-FL	5/8	5/8	5/8
M5	M5	M5xM5-FL	1/2	1/2	1/2
M5	M6x.75	M5xM6x.75-FL	1/2	1/2	1/2
M5	M6x1	M5xM6x1-FL	1/2	1/2	1/2

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)		
		Brass	A Ref.	B Ref.	C Ref.
M5	M8x.75	M5xM8x.75-FL	1/2	1/2	1/2
M5	M8x1	M5xM8x1-FL	1/2	1/2	1/2
M5	M8x1.25	M5xM8x1.25-FL	1/2	1/2	1/2
M5	1/16 BSPT	M5x1/16BSPT-FL	1/2	1/2	1/2
M5	1/8 BSPT	M5x1/8BSPT-FL	1/2	1/2	1/2
M5	1/4 BSPT	M5x1/4BSPT-FL	5/8	5/8	5/8
M5	1/16 BSPP	M5x1/16BSPP-FL	1/2	1/2	1/2
M5	1/8 BSPP	M5x1/8BSPP-FL	1/2	1/2	1/2
M5	1/4 BSPP	M5x1/4BSPP-FL	5/8	5/8	5/8

Other metric thread options available!



O-Ring options also available! See page 65 for O-Ring material options!

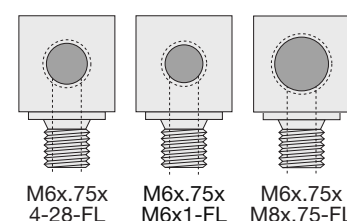
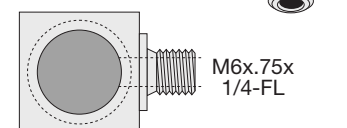
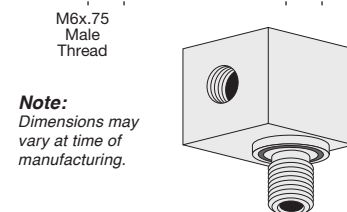
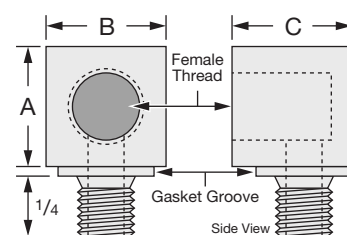


737

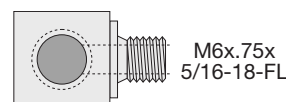
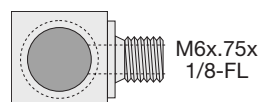
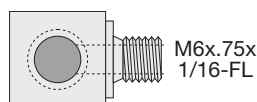
M6x.75 Male to Female Thread 90° Elbow Adapter with Fibre Gasket Supplied

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)		
		Brass	A Ref.	B Ref.	C Ref.
M6x.75	1/4-20	M6x.75x4-20-FL	1/2	1/2	1/2
M6x.75	1/4-28	M6x.75x4-28-FL	1/2	1/2	1/2
M6x.75	1/16	M6x.75x1/16-FL	1/2	1/2	1/2
M6x.75	5/16-18	M6x.75x5/16-18-FL	1/2	1/2	1/2
M6x.75	5/16-24	M6x.75x5/16-24-FL	1/2	1/2	1/2
M6x.75	1/8	M6x.75x1/8-FL	1/2	1/2	1/2
M6x.75	1/4	M6x.75x1/4-FL	5/8	5/8	5/8
M6x.75	M6x.75	M6x.75xM6x.75-FL	1/2	1/2	1/2
M6x.75	M6x1	M6x.75xM6x1-FL	1/2	1/2	1/2

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)		
		Brass	A Ref.	B Ref.	C Ref.
M6x.75	M8x.75	M6x.75xM8x.75-FL	1/2	1/2	1/2
M6x.75	M8x1	M6x.75xM8x1-FL	1/2	1/2	1/2
M6x.75	M8x1.25	M6x.75xM8x1.25-FL	1/2	1/2	1/2
M6x.75	1/16 BSPT	M6x.75x 1/16BSPT-FL	1/2	1/2	1/2
M6x.75	1/8 BSPT	M6x.75x1/8BSPT-FL	1/2	1/2	1/2
M6x.75	1/4 BSPT	M6x.75x1/4BSPT-FL	5/8	5/8	5/8
M6x.75	1/16 BSPP	M6x.75x 1/16BSPP-FL	1/2	1/2	1/2
M6x.75	1/8 BSPP	M6x.75x1/8BSPP-FL	1/2	1/2	1/2
M6x.75	1/4 BSPP	M6x.75x1/4BSPP-FL	5/8	5/8	5/8



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

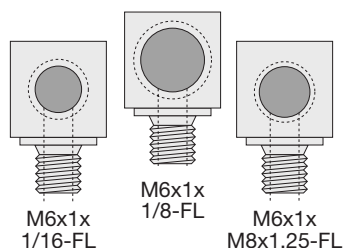
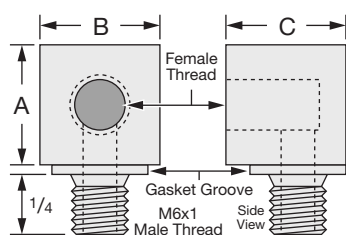


O-Ring options available! See page 65 for O-Ring material options!

SAE Threads available! Consult factory for details!

M4, M7, M10, and other metric thread options available! Lead times apply! Consult factory for details!

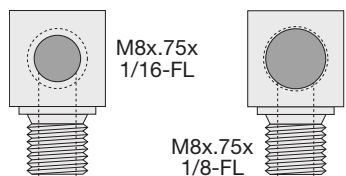
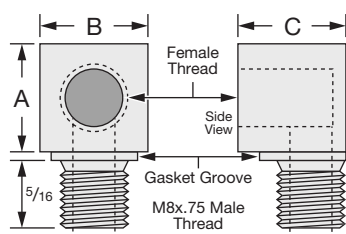
Unless otherwise specified, parts will be Brass. To order other materials, add the following codes to the end of the part number:
-SS = Stainless Steel 303 **-316SS** = Stainless Steel 316 **-AL** = Aluminum **-NP** = Electroless Nickel Plate

M6x1 Male to Female Thread 90° Elbow Adapters with Fibre Gasket Supplied**738**

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)		
		Brass	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

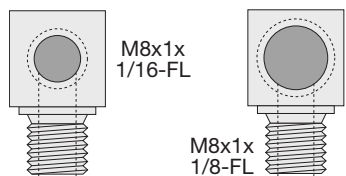
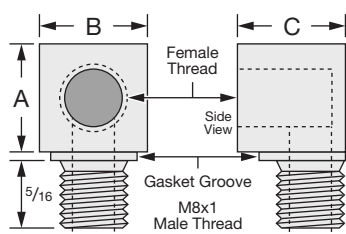
O-Ring options available! Consult factory for details!

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)		
		Brass	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

M8x.75 Male to Female Thread 90° Elbow Adapters with Fibre Gasket Supplied**739**

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)		
		Brass	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	Dimensions (Reference)		
		Brass	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

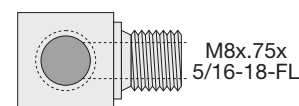
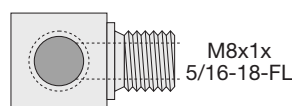
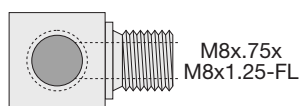
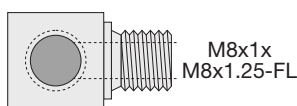
M8x1 Male to Female Thread 90° Elbow Adapters with Fibre Gasket Supplied**740**

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)		
		Brass	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	Dimensions (Reference)		
		Brass	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! Consult factory for details!

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

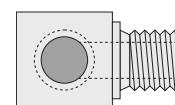
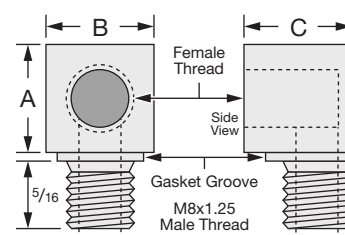


Unless otherwise specified, parts will be Brass. To order other materials, add the following codes to the end of the part number:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -AL = Aluminum -NP = Electroless Nickel Plate

741 M8x1.25 Male to Female Thread 90° Elbow Adapters with Fibre Gasket Supplied

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)		
		Brass	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	Dimensions (Reference)		
		Brass	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



M8x1.25x1/16-FL

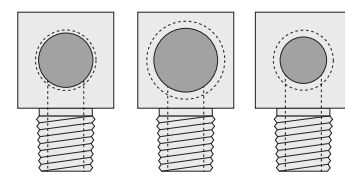
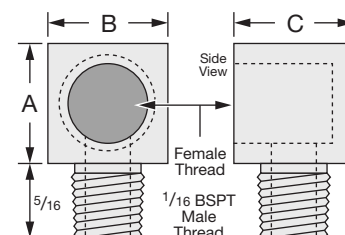
O-Ring options also available! Consult factory!

742 1/16 BSPT Male to Female Thread 90° Elbow Adapters

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)		
		Brass	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	Dimensions (Reference)		
		Brass	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 1/8BSPP-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!



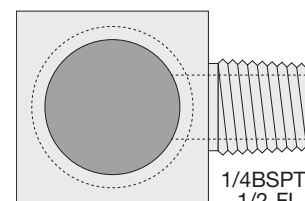
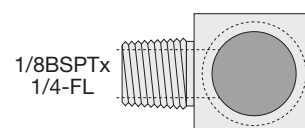
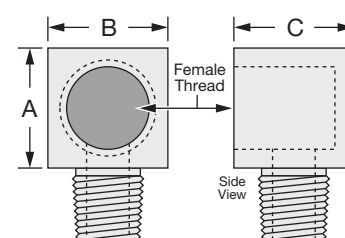
1/16BSPTx M8x.75-FL 1/16BSPTx 1/8-FL 1/16BSPTx 1/16-FL

743 1/8 & 1/4 BSPT Male to Female Thread 90° Elbow Adapters

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)		
		Brass	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	1/2
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	Consult Factory	Consult Factory
1/4 BSPT	1/2	1/4BSPTx1/2-FL	Consult Factory	Consult Factory	Consult Factory
1/4 BSPT	3/4	1/4BSPTx3/4-FL	Consult Factory	Consult Factory	Consult Factory
1/4 BSPT	1	1/4BSPTx1-FL	Consult Factory	Consult Factory	Consult Factory

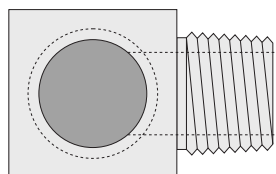
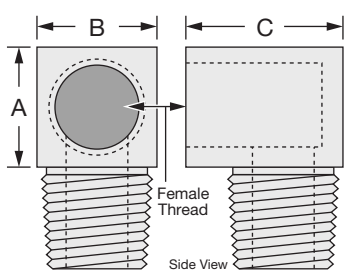
Male Thread	Female Thread	Part Numbers	Dimensions (Reference)		
		Brass	A Ref.	B Ref.	C Ref.
1/4 BSPT	1/4 BSPT	1/4BSPTx 3/16BSPT-FL	Consult Factory	Consult Factory	Consult Factory
1/4 BSPT	3/8 BSPT	1/4BSPTx 3/8BSPT-FL	Consult Factory	Consult Factory	Consult Factory
1/4 BSPT	1/2 BSPT	1/4BSPTx 1/2BSPT-FL	Consult Factory	Consult Factory	Consult Factory
1/4 BSPT	3/4 BSPT	1/4BSPTx 3/4BSPT-FL	Consult Factory	Consult Factory	Consult Factory
1/4 BSPT	1 BSPT	1/4BSPTx 1BSPT-FL	Consult Factory	Consult Factory	Consult Factory
1/4 BSPT	1/4 BSPP	1/4BSPTx 1/4BSPP-FL	Consult Factory	Consult Factory	Consult Factory
1/4 BSPT	3/8 BSPP	1/4BSPTx 3/8BSPP-FL	Consult Factory	Consult Factory	Consult Factory
1/4 BSPT	1/2 BSPP	1/4BSPTx 1/2BSPP-FL	Consult Factory	Consult Factory	Consult Factory
1/4 BSPT	3/4 BSPP	1/4BSPTx 3/4BSPP-FL	Consult Factory	Consult Factory	Consult Factory
1/4 BSPT	1 BSPP	1/4BSPTx 1BSPP-FL	Consult Factory	Consult Factory	Consult Factory

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

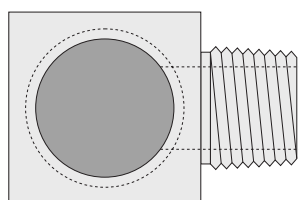


B2

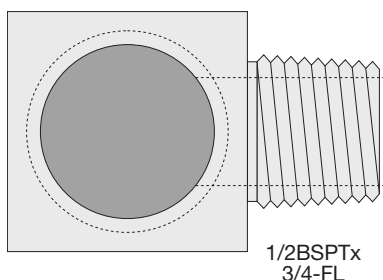
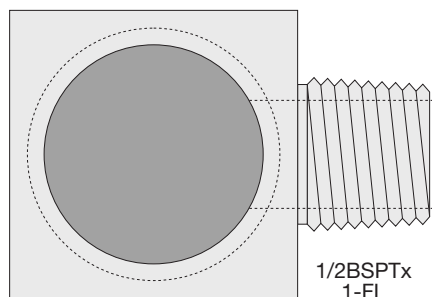
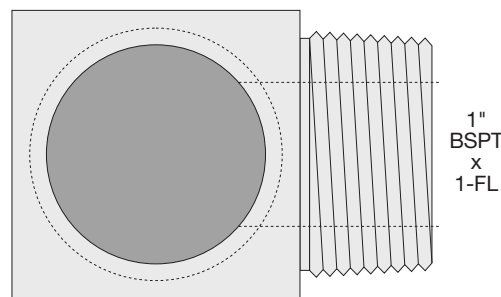
Unless otherwise specified, parts will be Brass. To order other materials, add the following codes to the end of the part number:
-SS = Stainless Steel 303 **-316SS = Stainless Steel 316** **-AL = Aluminum** **-NP = Electroless Nickel Plate**

3/8, 1/2, 3/4, & 1 BSPT Male to Female Thread 90° Elbow Adapters**744**

3/8BSPTx3/8-FL

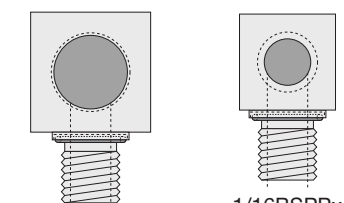
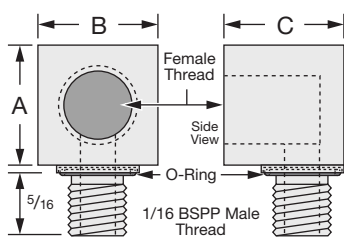


3/8BSPTx1/2BSPT-FL

1/2BSPTx
3/4-FL1/2BSPTx
1-FL1"
BSPT
x
1-FL

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)		
		Brass	A Ref.	B Ref.	C Ref.
3/8 BSPT	3/8	3/8BSPTx3/8-FL	Consult Factory	Consult Factory	Consult Factory
3/8 BSPT	1/2	3/8BSPTx1/2-FL	Consult Factory	Consult Factory	Consult Factory
3/8 BSPT	3/4	3/8BSPTx3/4-FL	Consult Factory	Consult Factory	Consult Factory
3/8 BSPT	1	3/8BSPTx1-FL	Consult Factory	Consult Factory	Consult Factory
3/8 BSPT	3/8 BSPT	3/8BSPTx 3/8BSPT-FL	Consult Factory	Consult Factory	Consult Factory
3/8 BSPT	1/2 BSPT	3/8BSPTx 1/2BSPT-FL	Consult Factory	Consult Factory	Consult Factory
3/8 BSPT	3/4 BSPT	3/8BSPTx 3/4BSPT-FL	Consult Factory	Consult Factory	Consult Factory
3/8 BSPT	1 BSPT	3/8BSPTx 1BSPT-FL	Consult Factory	Consult Factory	Consult Factory
3/8 BSPT	3/8 BSPP	3/8BSPTx 3/8BSPP-FL	Consult Factory	Consult Factory	Consult Factory
3/8 BSPT	1/2 BSPP	3/8BSPTx 1/2BSPP-FL	Consult Factory	Consult Factory	Consult Factory
3/8 BSPT	3/4 BSPP	3/8BSPTx 3/4BSPP-FL	Consult Factory	Consult Factory	Consult Factory
3/8 BSPT	1 BSPP	3/8BSPTx 1BSPP-FL	Consult Factory	Consult Factory	Consult Factory
1/2 BSPT	1/2	1/2BSPTx1/2-FL	Consult Factory	Consult Factory	Consult Factory
1/2 BSPT	3/4	1/2BSPTx3/4-FL	Consult Factory	Consult Factory	Consult Factory
1/2 BSPT	1	1/2BSPTx1-FL	Consult Factory	Consult Factory	Consult Factory

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)		
		Brass	A Ref.	B Ref.	C Ref.
1/2 BSPT	1/2 BSPT	1/2BSPTx 1/2BSPT-FL	Consult Factory	Consult Factory	Consult Factory
1/2 BSPT	3/4 BSPT	1/2BSPTx 3/4BSPT-FL	Consult Factory	Consult Factory	Consult Factory
1/2 BSPT	1 BSPT	1/2BSPTx 1BSPT-FL	Consult Factory	Consult Factory	Consult Factory
1/2 BSPT	1/2 BSPP	1/2BSPTx 1/2BSPP-FL	Consult Factory	Consult Factory	Consult Factory
1/2 BSPT	3/4 BSPP	1/2BSPTx 3/4BSPP-FL	Consult Factory	Consult Factory	Consult Factory
1/2 BSPT	1 BSPP	1/2BSPTx 1BSPP-FL	Consult Factory	Consult Factory	Consult Factory
3/4 BSPT	3/4	3/4BSPTx3/4-FL	Consult Factory	Consult Factory	Consult Factory
3/4 BSPT	1	3/4BSPTx1-FL	Consult Factory	Consult Factory	Consult Factory
3/4 BSPT	3/4 BSPT	3/4BSPTx 3/4BSPT-FL	Consult Factory	Consult Factory	Consult Factory
3/4 BSPT	1 BSPT	3/4BSPTx 1BSPT-FL	Consult Factory	Consult Factory	Consult Factory
3/4 BSPT	3/4 BSPP	3/4BSPTx 3/4BSPP-FL	Consult Factory	Consult Factory	Consult Factory
3/4 BSPT	1 BSPP	3/4BSPTx 1BSPP-FL	Consult Factory	Consult Factory	Consult Factory
1 BSPT	1	1BSPTx1-FL	Consult Factory	Consult Factory	Consult Factory
1 BSPT	1 BSPT	1BSPTx1BSPT-FL	Consult Factory	Consult Factory	Consult Factory
1 BSPT	1 BSPP	1BSPTx1BSPP-FL	Consult Factory	Consult Factory	Consult Factory

1/16 BSPP Male to Female Thread 90° Elbow Adapters**745**

1/16BSPPx1/8-FL

1/16BSPPx
1/16-FL

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)		
		Brass	A Ref.	B Ref.	C Ref.
1/16 BSPP	1/16	1/16BSPPx1/16-FL	Consult Factory	Consult Factory	Consult Factory
1/16 BSPP	5/16-18	1/16BSPPx 5/16-18-FL	Consult Factory	Consult Factory	Consult Factory
1/16 BSPP	5/16-24	1/16BSPPx 5/16-24-FL	Consult Factory	Consult Factory	Consult Factory
1/16 BSPP	1/8	1/16BSPPx1/8-FL	Consult Factory	Consult Factory	Consult Factory
1/16 BSPP	1/4	1/16BSPPx1/4-FL	Consult Factory	Consult Factory	Consult Factory
1/16 BSPP	M8x.75	1/16BSPPx M8x.75-FL	Consult Factory	Consult Factory	Consult Factory
1/16 BSPP	M8x1	1/16BSPPx M8x1-FL	Consult Factory	Consult Factory	Consult Factory

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)		
		Brass	A Ref.	B Ref.	C Ref.
1/16 BSPP	M8x1.25	1/16BSPPx M8x1.25-FL	Consult Factory	Consult Factory	Consult Factory
1/16 BSPP	1/16 BSPT	1/16BSPPx 1/16BSPT-FL	Consult Factory	Consult Factory	Consult Factory
1/16 BSPP	1/8 BSPT	1/16BSPPx 1/8BSPT-FL	Consult Factory	Consult Factory	Consult Factory
1/16 BSPP	1/4 BSPT	1/16BSPPx 1/4BSPT-FL	Consult Factory	Consult Factory	Consult Factory
1/16 BSPP	1/16 BSPP	1/16BSPPx 1/16BSPP-FL	Consult Factory	Consult Factory	Consult Factory
1/16 BSPP	1/8 BSPP	1/16BSPPx 1/8BSPP-FL	Consult Factory	Consult Factory	Consult Factory
1/16 BSPP	1/4 BSPP	1/16BSPPx 1/4BSPP-FL	Consult Factory	Consult Factory	Consult Factory

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** **-NP = Electroless Nickel Plate**

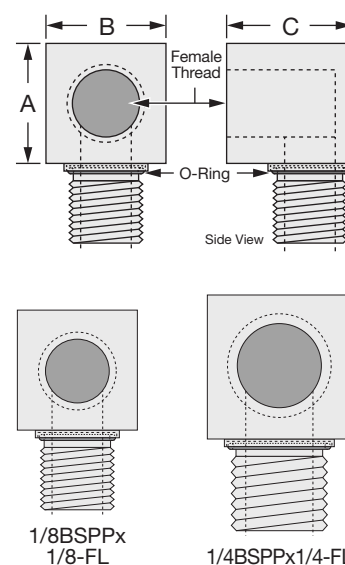
746

 $1/8$ & $1/4$ BSPP Male to Female Thread 90° Elbow Adapters

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)		
		Brass	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	Consult Factory	Consult Factory	Consult Factory
$1/8$ BSPP	$1/8$ BSPT	1/8BSPPx 1/8BSPT-FL	Consult Factory	Consult Factory	Consult Factory
$1/8$ BSPP	$1/4$ BSPT	1/8BSPPx 1/4BSPT-FL	Consult Factory	Consult Factory	Consult Factory
$1/8$ BSPP	$1/8$ BSPP	1/8BSPPx 1/8BSPP-FL	Consult Factory	Consult Factory	Consult Factory
$1/8$ BSPP	$1/4$ BSPP	1/8BSPPx 1/4BSPP-FL	Consult Factory	Consult Factory	Consult Factory
$1/4$ BSPP	$1/4$	1/4BSPPx1/4-FL	Consult Factory	Consult Factory	Consult Factory
$1/4$ BSPP	$3/8$	1/4BSPPx3/8-FL	Consult Factory	Consult Factory	Consult Factory
$1/4$ BSPP	$1/2$	1/4BSPPx1/2-FL	Consult Factory	Consult Factory	Consult Factory
$1/4$ BSPP	$3/4$	1/4BSPPx3/4-FL	Consult Factory	Consult Factory	Consult Factory

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)		
		Brass	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	Consult Factory	Consult Factory	Consult Factory
$1/4$ BSPP	$1/2$ BSPT	1/4BSPPx 1/2BSPT-FL	Consult Factory	Consult Factory	Consult Factory
$1/4$ BSPP	$3/4$ BSPT	1/4BSPPx 3/4BSPT-FL	Consult Factory	Consult Factory	Consult Factory
$1/4$ BSPP	1 BSPT	1/4BSPPx 1BSPT-FL	Consult Factory	Consult Factory	Consult Factory
$1/4$ BSPP	$3/8$ BSPP	1/4BSPPx 3/8BSPP-FL	Consult Factory	Consult Factory	Consult Factory
$1/4$ BSPP	$1/2$ BSPP	1/4BSPPx 1/2BSPP-FL	Consult Factory	Consult Factory	Consult Factory
$1/4$ BSPP	$3/4$ BSPP	1/4BSPPx 3/4BSPP-FL	Consult Factory	Consult Factory	Consult Factory
$1/4$ BSPP	1 BSPP	1/4BSPPx 1BSPP-FL	Consult Factory	Consult Factory	Consult Factory

O-Ring material options listed on page 65!

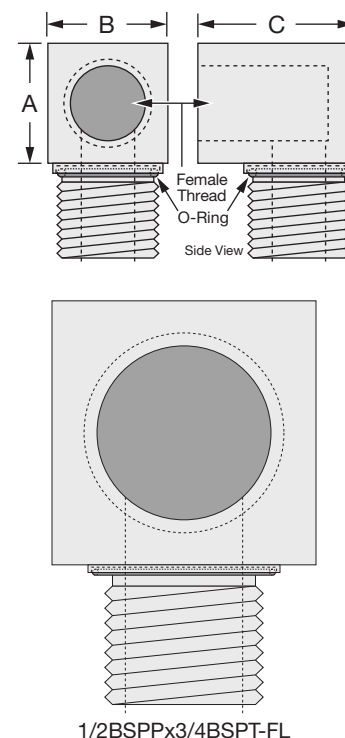


747

 $3/8$, $1/2$, $3/4$, & 1 BSPP Male to Female Thread 90° Elbow Adapters

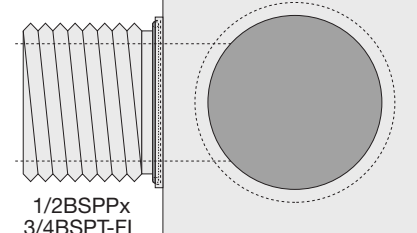
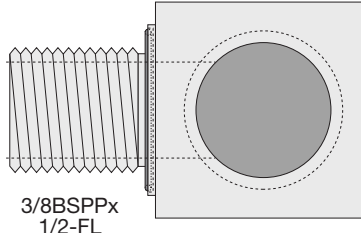
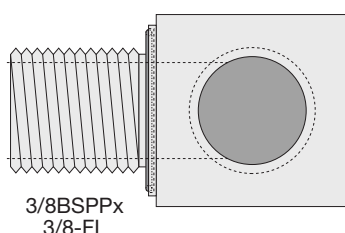
Male Thread	Female Thread	Part Numbers	Dimensions (Reference)		
		Brass	A Ref.	B Ref.	C Ref.
$3/8$ BSPP	$3/8$	3/8BSPPx3/8-FL	Consult Factory	Consult Factory	Consult Factory
$3/8$ BSPP	$1/2$	3/8BSPPx1/2-FL	Consult Factory	Consult Factory	Consult Factory
$3/8$ BSPP	$3/4$	3/8BSPPx3/4-FL	Consult Factory	Consult Factory	Consult Factory
$3/8$ BSPP	1	3/8BSPPx1-FL	Consult Factory	Consult Factory	Consult Factory
$3/8$ BSPP	$3/8$ BSPT	3/8BSPPx 3/8BSPT-FL	Consult Factory	Consult Factory	Consult Factory
$3/8$ BSPP	$1/2$ BSPT	3/8BSPPx 1/2BSPT-FL	Consult Factory	Consult Factory	Consult Factory
$3/8$ BSPP	$3/4$ BSPT	3/8BSPPx 3/4BSPT-FL	Consult Factory	Consult Factory	Consult Factory
$3/8$ BSPP	1 BSPT	3/8BSPPx 1BSPT-FL	Consult Factory	Consult Factory	Consult Factory
$3/8$ BSPP	$3/8$ BSPP	3/8BSPPx 3/8BSPP-FL	Consult Factory	Consult Factory	Consult Factory
$3/8$ BSPP	$1/2$ BSPP	3/8BSPPx 1/2BSPP-FL	Consult Factory	Consult Factory	Consult Factory
$3/8$ BSPP	$3/4$ BSPP	3/8BSPPx 3/4BSPP-FL	Consult Factory	Consult Factory	Consult Factory
$3/8$ BSPP	1 BSPP	3/8BSPPx 1BSPP-FL	Consult Factory	Consult Factory	Consult Factory
$1/2$ BSPP	$1/2$	1/2BSPPx1/2-FL	Consult Factory	Consult Factory	Consult Factory
$1/2$ BSPP	$3/4$	1/2BSPPx3/4-FL	Consult Factory	Consult Factory	Consult Factory
$1/2$ BSPP	1	1/2BSPPx1-FL	Consult Factory	Consult Factory	Consult Factory

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)		
		Brass	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	Consult Factory	Consult Factory	Consult Factory
$1/2$ BSPP	1 BSPT	1/2BSPPx 1BSPT-FL	Consult Factory	Consult Factory	Consult Factory
$1/2$ BSPP	$1/2$ BSPP	1/2BSPPx 1/2BSPP-FL	Consult Factory	Consult Factory	Consult Factory
$1/2$ BSPP	$3/4$ BSPP	1/2BSPPx 3/4BSPP-FL	Consult Factory	Consult Factory	Consult Factory
$1/2$ BSPP	1 BSPP	1/2BSPPx 1BSPP-FL	Consult Factory	Consult Factory	Consult Factory
$3/4$ BSPP	$3/4$	3/4BSPPx3/4-FL	Consult Factory	Consult Factory	Consult Factory
$3/4$ BSPP	1	3/4BSPPx1-FL	Consult Factory	Consult Factory	Consult Factory
$3/4$ BSPP	$3/4$ BSPT	3/4BSPPx 3/4BSPT-FL	Consult Factory	Consult Factory	Consult Factory
$3/4$ BSPP	1 BSPT	3/4BSPPx 1BSPT-FL	Consult Factory	Consult Factory	Consult Factory
$3/4$ BSPP	$3/4$ BSPP	3/4BSPPx 3/4BSPP-FL	Consult Factory	Consult Factory	Consult Factory
$3/4$ BSPP	1 BSPP	3/4BSPPx 1BSPP-FL	Consult Factory	Consult Factory	Consult Factory
1 BSPP	1	1BSPPx1-FL	Consult Factory	Consult Factory	Consult Factory
1 BSPP	1 BSPT	1BSPPx1BSPT-FL	Consult Factory	Consult Factory	Consult Factory
1 BSPP	1 BSPP	1BSPPx1BSPP-FL	Consult Factory	Consult Factory	Consult Factory

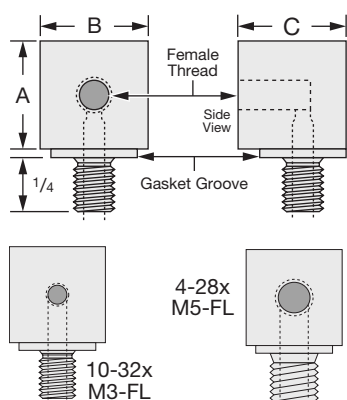


B2

Supplied with Buna-N O-Rings. 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 -NP = Electroless Nickel Plate

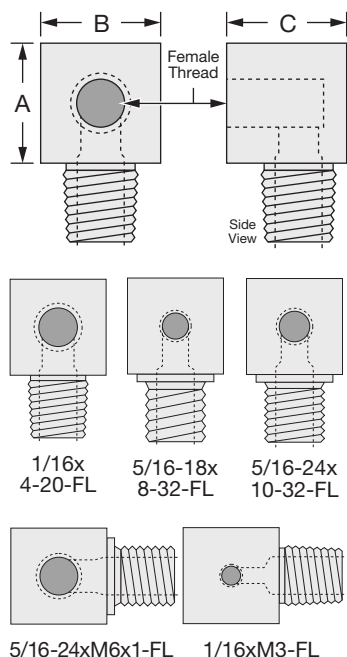
Small Thread Male to Female Reducing 90° Elbow Adapters with Fibre Gasket Supplied 748

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)		
		Brass	A Ref.	B Ref.	C Ref.
8-32	M3	8-32xM3-FL	1/2	1/2	1/2
10-32	8-32	10-32x8-32-FL	1/2	1/2	1/2
10-32	M3	10-32xM3-FL	1/2	1/2	1/2
1/4-20	8-32	4-20x8-32-32-FL	1/2	1/2	1/2
1/4-20	10-32	4-20x10-32-FL	1/2	1/2	1/2
1/4-20	M3	4-20xM3-FL	1/2	1/2	1/2
1/4-20	M5	4-20xM5-FL	1/2	1/2	1/2

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)		
		Brass	A Ref.	B Ref.	C Ref.
1/4-28	8-32	4-28x8-32-FL	1/2	1/2	1/2
1/4-28	10-32	4-28x10-32-FL	1/2	1/2	1/2
1/4-28	1/4-20	4-28x4-20-FL	1/2	1/2	1/2
1/4-28	M3	4-28xM3-FL	1/2	1/2	1/2
1/4-28	M5	4-28xM5-FL	1/2	1/2	1/2

**O-Ring options
also available!**

**Material options
listed on next page!**

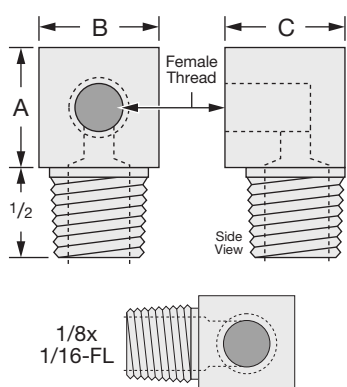
1/16 NPT, 5/16-18, & 5/16-24 Male to Female Thread Reducing 90° Elbow Adapters 749

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)		
		Brass	A Ref.	B Ref.	C Ref.
1/16	8-32	1/16x8-32-FL	1/2	1/2	1/2
1/16	10-32	1/16x10-32-FL	1/2	1/2	1/2
1/16	1/4-20	1/16x4-20-FL	1/2	1/2	1/2
1/16	1/4-28	1/16x4-28-FL	1/2	1/2	1/2
1/16	M3	1/16xM3-FL	1/2	1/2	1/2
1/16	M5	1/16xM5-FL	1/2	1/2	1/2
1/16	M6x.75	1/16xM6x.75-FL	1/2	1/2	1/2
1/16	M6x1	1/16xM6x1-FL	1/2	1/2	1/2
5/16-18	8-32	5/16-18x8-32-FL	1/2	1/2	1/2
5/16-18	10-32	5/16-18x10-32-FL	1/2	1/2	1/2
5/16-18	1/4-20	5/16-18x4-20-FL	1/2	1/2	1/2
5/16-18	1/4-28	5/16-18x4-28-FL	1/2	1/2	1/2
5/16-18	1/16	5/16-18x1/16-FL	1/2	1/2	1/2

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)		
		Brass	A Ref.	B Ref.	C Ref.
5/16-18	M3	5/16-18xM3-FL	1/2	1/2	1/2
5/16-18	M5	5/16-18xM5-FL	1/2	1/2	1/2
5/16-18	M6x.75	5/16-18xM6x.75-FL	1/2	1/2	1/2
5/16-18	M6x1	5/16-18xM6x1-FL	1/2	1/2	1/2
5/16-24	8-32	5/16-24x8-32-FL	1/2	1/2	1/2
5/16-24	10-32	5/16-24x10-32-FL	1/2	1/2	1/2
5/16-24	1/4-20	5/16-24x4-20-FL	1/2	1/2	1/2
5/16-24	1/4-28	5/16-24x4-28-FL	1/2	1/2	1/2
5/16-24	1/16	5/16-24x1/16-FL	1/2	1/2	1/2
5/16-24	5/16-18	5/16-24x5/16-18-FL	1/2	1/2	1/2
5/16-24	M3	5/16-24xM3-FL	1/2	1/2	1/2
5/16-24	M5	5/16-24xM5-FL	1/2	1/2	1/2
5/16-24	M6x.75	5/16-24xM6x.75-FL	1/2	1/2	1/2
5/16-24	M6x1	5/16-24xM6x1-FL	1/2	1/2	1/2

Material options listed on next page!

5/16-18 & 5/16-24 Adapters are supplied with Fibre Gaskets!

1/8 NPT Male to Female Thread Reducing 90° Elbow Adapters 750

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)		
		Brass	A Ref.	B Ref.	C Ref.
1/8	8-32	1/8x8-32-FL	1/2	1/2	1/2
1/8	10-32	1/8x10-32-FL	1/2	1/2	1/2
1/8	1/4-20	1/8x4-20-FL	1/2	1/2	1/2
1/8	1/4-28	1/8x4-28-FL	1/2	1/2	1/2
1/8	1/16	1/8x1/16-FL	1/2	1/2	1/2
1/8	5/16-18	1/8x5/16-18-FL	1/2	1/2	1/2
1/8	5/16-24	1/8x5/16-24-FL	1/2	1/2	1/2
1/8	M3	1/8xM3-FL	1/2	1/2	1/2

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)		
		Brass	A Ref.	B Ref.	C Ref.
1/8	M5	1/8xM5-FL	1/2	1/2	1/2
1/8	M6x.75	1/8xM6x.75-FL	1/2	1/2	1/2
1/8	M6x1	1/8xM6x1-FL	1/2	1/2	1/2
1/8	M8x.75	1/8xM8x.75-FL	1/2	1/2	1/2
1/8	M8x1	1/8xM8x1-FL	1/2	1/2	1/2
1/8	M8x1.25	1/8xM8x1.25-FL	1/2	1/2	1/2
1/8	1/16 BSPT	1/8x1/16BSPT-FL	1/2	1/2	1/2
1/8	1/16 BSPP	1/8x1/16BSPP-FL	1/2	1/2	1/2

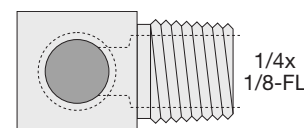
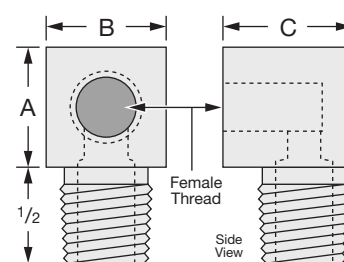
Material options listed on next page!

751

1/4 NPT Male to Female Thread Reducing 90° Elbow Adapters

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)		
		Brass	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	Dimensions (Reference)		
		Brass	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



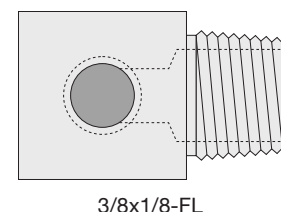
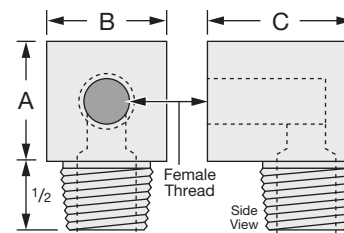
Note: Images are for visual representation only. Dimensions may vary at time of manufacturing.

752

3/8 NPT Male to Female Thread Reducing 90° Elbow Adapters

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)		
		Brass	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	Dimensions (Reference)		
		Brass	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

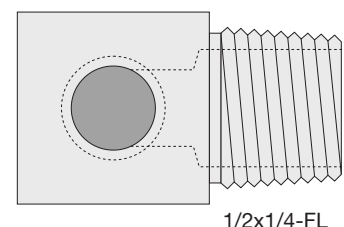
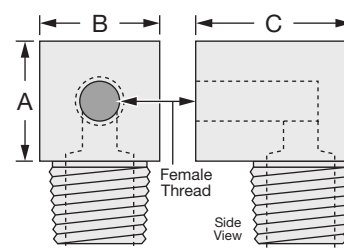


753

1/2 NPT Male to Female Thread Reducing 90° Elbow Adapters

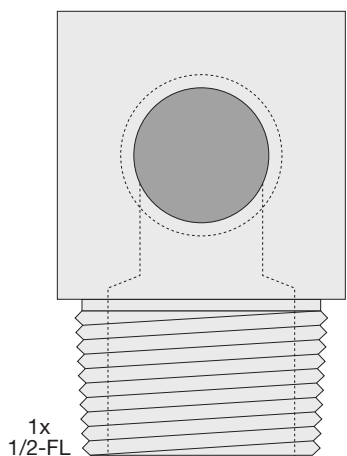
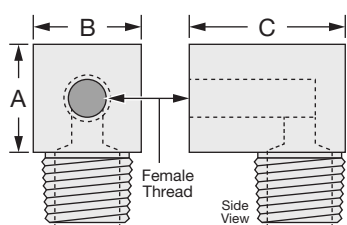
Male Thread	Female Thread	Part Numbers	Dimensions (Reference)		
		Brass	A Ref.	B Ref.	C Ref.
1/2	1/8	1/2x1/8-FL	Consult Factory	Consult Factory	Consult Factory
1/2	1/4	1/2x1/4-FL	Consult Factory	Consult Factory	Consult Factory
1/2	3/8	1/2x3/8-FL	Consult Factory	Consult Factory	Consult Factory
1/2	M6x.75	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	Dimensions (Reference)		
		Brass	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

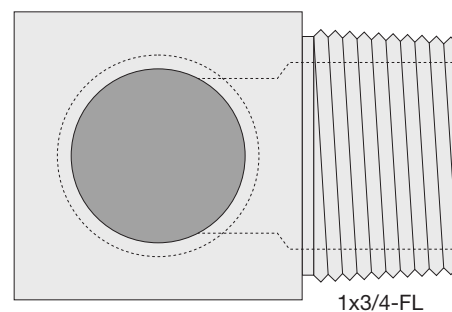
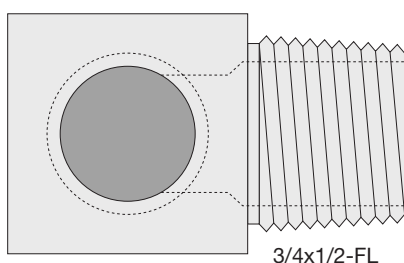
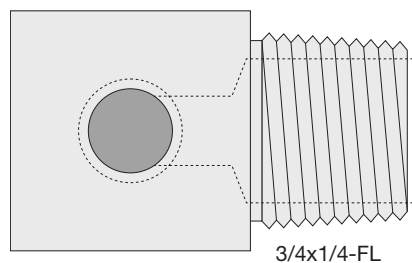
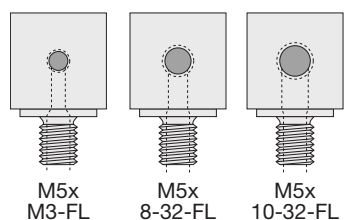
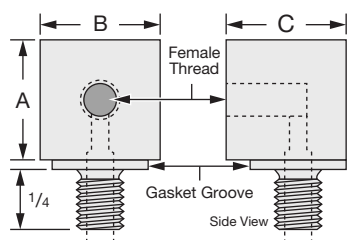
Unless otherwise specified, parts will be Brass. To order other materials, add the following codes to the end of the part number:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -AL = Aluminum -NP = Electroless Nickel Plate

3/4 & 1 NPT Male to Female Thread Reducing 90° Elbow Adapters**754**

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)		
		Brass	A Ref.	B Ref.	C Ref.
3/4	1/8	3/4x1/8-FL	Factory	Factory	Factory
3/4	1/4	3/4x1/4-FL	Factory	Factory	Factory
3/4	3/8	3/4x3/8-FL	Consult	Consult	Consult
3/4	1/2	3/4x1/2-FL	Consult	Consult	Consult
3/4	1/16 BSPT	3/4x1/16BSPT-FL	Factory	Factory	Factory
3/4	1/8 BSPT	3/4x1/8BSPT-FL	Consult	Consult	Consult
3/4	1/4 BSPT	3/4x1/4BSPT-FL	Consult	Consult	Consult
3/4	3/8 BSPT	3/4x3/8BSPT-FL	Consult	Consult	Consult
3/4	1/2 BSPT	3/4x1/2BSPT-FL	Factory	Factory	Factory
3/4	1/16 BSPP	3/4x1/16BSPP-FL	Consult	Consult	Consult
3/4	1/8 BSPP	3/4x1/8BSPP-FL	Consult	Consult	Consult
3/4	1/4 BSPP	3/4x1/4BSPP-FL	Consult	Consult	Consult

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)		
		Brass	A Ref.	B Ref.	C Ref.
3/4	3/8 BSPP	3/4x3/8BSPP-FL	Factory	Factory	Factory
3/4	1/2 BSPP	3/4x1/2BSPP-FL	Factory	Factory	Factory
1	1/4	1x1/4-FL	Consult	Consult	Consult
1	1/2	1x1/2-FL	Consult	Consult	Consult
1	3/4	1x3/4-FL	Factory	Factory	Factory
1	1/4 BSPT	1x1/4BSPT-FL	Factory	Factory	Factory
1	1/2 BSPT	1x1/2BSPT-FL	Consult	Consult	Consult
1	3/4 BSPT	1x3/4BSPT-FL	Consult	Consult	Consult
1	1 BSPT	1x1BSPT-FL	Factory	Factory	Factory
1	1/4 BSPP	1x1/4BSPP-FL	Factory	Factory	Factory
1	1/2 BSPP	1x1/2BSPP-FL	Consult	Consult	Consult
1	3/4 BSPP	1x3/4BSPP-FL	Consult	Consult	Consult

Material options listed on next page!

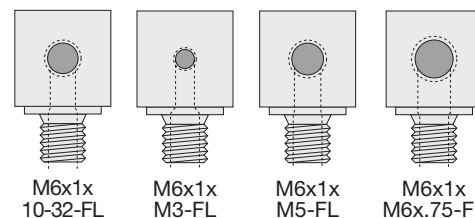
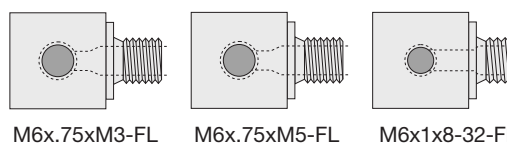
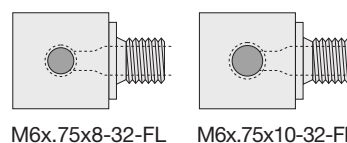
**M5 & M6 Male to Female Thread Reducing 90° Elbow Adapters with Fibre Gasket Supplied****755**

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)		
		Brass	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	Dimensions (Reference)		
		Brass	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!

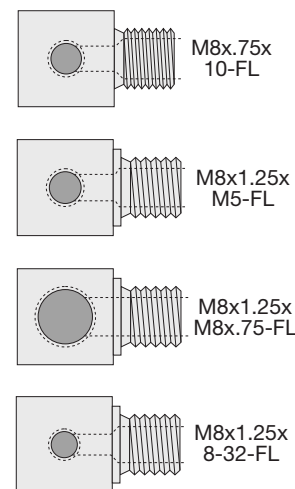
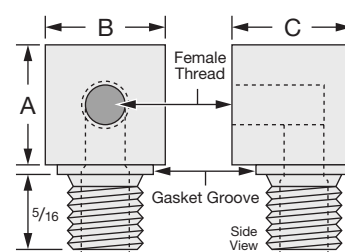


756 M8 Male to Female Thread Reducing 90° Elbow Adapters with Fibre Gasket Supplied

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)		
		Brass	A Ref.	B Ref.	C Ref.
M8x.75	8-32	M8x.75x8-32-FL	1/2	1/2	1/2
M8x.75	10-32	M8x.75x10-32-FL	1/2	1/2	1/2
M8x.75	1/4-20	M8x.75x4-20-FL	1/2	1/2	1/2
M8x.75	1/4-28	M8x.75x4-28-FL	1/2	1/2	1/2
M8x.75	M3	M8x.75xM3-FL	1/2	1/2	1/2
M8x.75	M5	M8x.75xM5-FL	1/2	1/2	1/2
M8x.75	M6x.75	M8x.75xM6x.75-FL	1/2	1/2	1/2
M8x.75	M6x1	M8x.75xM6x1-FL	1/2	1/2	1/2
M8x1	8-32	M8x1x8-32-FL	1/2	1/2	1/2
M8x1	10-32	M8x1x10-32-FL	1/2	1/2	1/2
M8x1	1/4-20	M8x1x4-20-FL	1/2	1/2	1/2
M8x1	1/4-28	M8x1x4-28-FL	1/2	1/2	1/2
M8x1	M3	M8x1xM3-FL	1/2	1/2	1/2
M8x1	M5	M8x1xM5-FL	1/2	1/2	1/2

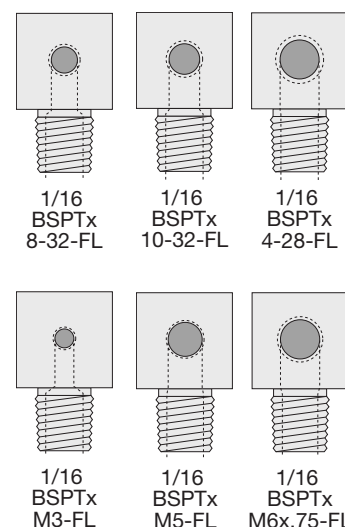
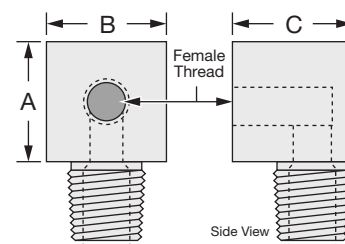
Male Thread	Female Thread	Part Numbers	Dimensions (Reference)		
		Brass	A Ref.	B Ref.	C Ref.
M8x1	M6x.75	M8x1xM6x.75-FL	1/2	1/2	1/2
M8x1	M6x1	M8x1xM6x1-FL	1/2	1/2	1/2
M8x1	M8x.75	M8x1xM8x.75-FL	1/2	1/2	1/2
M8x1.25	8-32	M8x1.25x8-32-FL	1/2	1/2	1/2
M8x1.25	10-32	M8x1.25x10-32-FL	1/2	1/2	1/2
M8x1.25	1/4-20	M8x1.25x4-20-FL	1/2	1/2	1/2
M8x1.25	1/4-28	M8x1.25x4-28-FL	1/2	1/2	1/2
M8x1.25	M3	M8x1.25xM3-FL	1/2	1/2	1/2
M8x1.25	M5	M8x1.25xM5-FL	1/2	1/2	1/2
M8x1.25	M6x.75	M8x1.25xM6x.75-FL	1/2	1/2	1/2
M8x1.25	M6x1	M8x1.25xM6x1-FL	1/2	1/2	1/2
M8x1.25	M8x.75	M8x1.25xM8x.75-FL	1/2	1/2	1/2
M8x1.25	M8x1	M8x1.25xM8x1-FL	1/2	1/2	1/2

O-Ring options also available! See page 65!


757 1/16 & 1/8 BSPT Male to Female Thread Reducing 90° Elbow Adapters

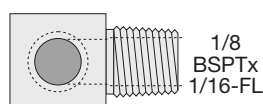
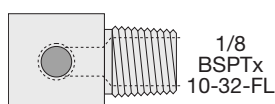
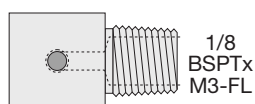
Male Thread	Female Thread	Part Numbers	Dimensions (Reference)		
		Brass	A Ref.	B Ref.	C Ref.
1/16 BSPT	8-32	1/16BSPTx8-32-FL	1/2	1/2	1/2
1/16 BSPT	10-32	1/16BSPT x10-32-FL	1/2	1/2	1/2
1/16 BSPT	1/4-20	1/16BSPTx4-20-FL	1/2	1/2	1/2
1/16 BSPT	1/4-28	1/16BSPTx4-28-FL	1/2	1/2	1/2
1/16 BSPT	M3	1/16BSPTx M3-FL	1/2	1/2	1/2
1/16 BSPT	M5	1/16BSPTx M5-FL	1/2	1/2	1/2
1/16 BSPP	M6x.75	1/16BSPPx M6x.75-FL	1/2	1/2	1/2
1/16 BSPP	M6x1	1/16BSPPx M6x1-FL	1/2	1/2	1/2
1/8 BSPT	8-32	1/8BSPTx8-32-FL	1/2	1/2	1/2
1/8 BSPT	10-32	1/8BSPT x10-32-FL	1/2	1/2	1/2
1/8 BSPT	1/4-20	1/8BSPTx4-20-FL	1/2	1/2	1/2
1/8 BSPT	1/4-28	1/8BSPTx4-28-FL	1/2	1/2	1/2

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)		
		Brass	A Ref.	B Ref.	C Ref.
1/8 BSPT	1/16	1/8BSPTx1/16-FL	1/2	1/2	1/2
1/8 BSPT	5/16-18	1/8BSPTx5/16-18-FL	1/2	1/2	1/2
1/8 BSPT	5/16-24	1/8BSPTx5/16-24-FL	1/2	1/2	1/2
1/8 BSPT	1/8	1/8BSPTx1/8-FL	1/2	1/2	1/2
1/8 BSPT	M3	1/8BSPTxM3-FL	1/2	1/2	1/2
1/8 BSPT	M5	1/8BSPTxM5-FL	1/2	1/2	1/2
1/8 BSPT	M6x.75	1/8BSPTxM6x.75-FL	1/2	1/2	1/2
1/8 BSPT	M8x1	1/8BSPTxM8x1-FL	1/2	1/2	1/2
1/8 BSPT	M8x1.25	1/8BSPTxM8x1.25-FL	1/2	1/2	1/2
1/8 BSPT	1/16 BSPT	1/8BSPTx 1/16BSPT-FL	1/2	1/2	1/2
1/8 BSPT	1/16 BSPP	1/8BSPTx 1/16BSPP-FL	1/2	1/2	1/2
1/8 BSPT	1/8 BSPP	1/8BSPTx 1/8BSPP-FL	1/2	1/2	1/2

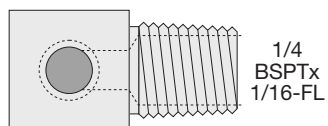
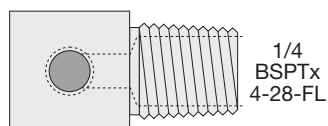
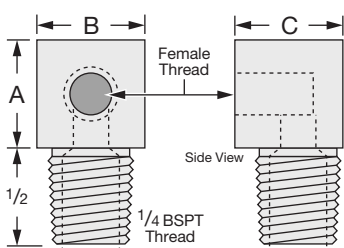


B2

SAE standard threads also available!

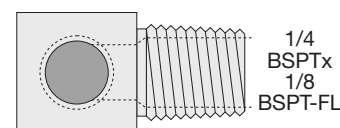
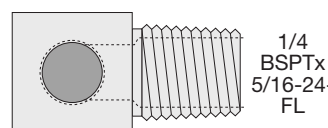
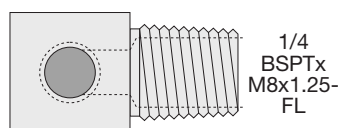


Unless otherwise specified, parts will be Brass. To order other materials, add the following codes to the end of the part number:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -AL = Aluminum -NP = Electroless Nickel Plate

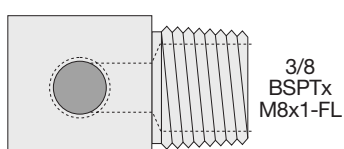
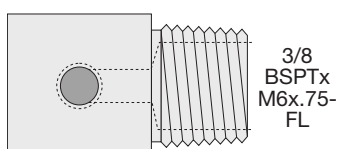
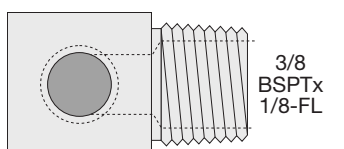
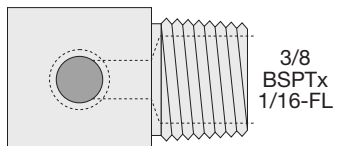
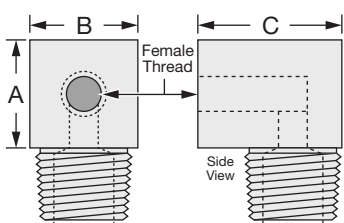
1/4 BSPT Male to Female Thread Reducing 90° Elbow Adapters**758**

Note: Dimensions may vary at time of manufacturing.

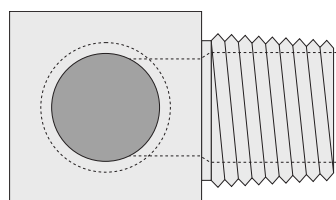
Male Thread	Female Thread	Part Numbers	Dimensions (Reference)		
			A Ref.	B Ref.	C Ref.
1/4 BSPT	1/4-28	1/4BSPTx4-28-FL	5/8	5/8	5/8
1/4 BSPT	1/16	1/4BSPTx1/16-FL	5/8	5/8	5/8
1/4 BSPT	5/16-18	1/4BSPTx5/16-18-FL	5/8	5/8	5/8
1/4 BSPT	5/16-24	1/4BSPTx5/16-24-FL	5/8	5/8	5/8
1/4 BSPT	1/8	1/4BSPTx1/8-FL	5/8	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



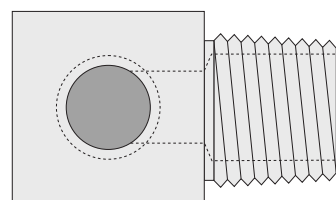
Male Thread	Female Thread	Part Numbers	Dimensions (Reference)		
			A Ref.	B Ref.	C Ref.
1/4 BSPT	M8x.75	1/4BSPTxM8x.75-FL	5/8	5/8	5/8
1/4 BSPT	M8x1	1/4BSPTxM8x1-FL	5/8	5/8	5/8
1/4 BSPT	M8x1.25	1/4BSPTxM8x1.25-FL	5/8	5/8	5/8
1/4 BSPT	1/16 BSPT	1/4BSPTx1/16BSPT-FL	5/8	5/8	5/8
1/4 BSPT	1/8 BSPT	1/4BSPTx1/8BSPT-FL	5/8	5/8	5/8
1/4 BSPT	1/16 BSPP	1/4BSPTx1/16BSPP-FL	5/8	5/8	5/8
1/4 BSPT	1/8 BSPP	1/4BSPTx1/8BSPP-FL	5/8	5/8	5/8

3/8 & 1/2 BSPT Male to Female Thread Reducing 90° Elbow Adapters**759**

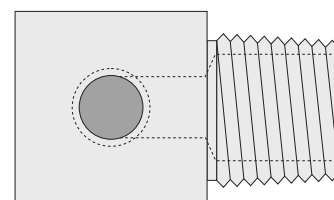
Male Thread	Female Thread	Part Numbers	Dimensions (Reference)		
			A Ref.	B Ref.	C Ref.
3/8 BSPT	1/16	3/8BSPTx1/16-FL	Factory	Factory	Factory
3/8 BSPT	5/16-18	3/8BSPTx5/16-18-FL	Factory	Factory	Factory
3/8 BSPT	5/16-24	3/8BSPTx5/16-24-FL	Factory	Factory	Factory
3/8 BSPT	1/8	3/8BSPTx1/8-FL	Factory	Factory	Factory
3/8 BSPT	1/4	3/8BSPTx1/4-FL	Factory	Factory	Factory
3/8 BSPT	M6x.75	3/8BSPTxM6x.75-FL	Factory	Factory	Factory
3/8 BSPT	M6x1	3/8BSPTxM6x1-FL	Factory	Factory	Factory
3/8 BSPT	M8x.75	3/8BSPTxM8x.75-FL	Factory	Factory	Factory
3/8 BSPT	M8x1	3/8BSPTxM8x1-FL	Factory	Factory	Factory
3/8 BSPT	M8x1.25	3/8BSPTxM8x1.25-FL	Factory	Factory	Factory
3/8 BSPT	1/16 BSPT	3/8BSPTx1/16BSPT-FL	Factory	Factory	Factory
3/8 BSPT	1/8 BSPT	3/8BSPTx1/8BSPT-FL	Factory	Factory	Factory
3/8 BSPT	1/4 BSPT	3/8BSPTx1/4BSPT-FL	Factory	Factory	Factory



1/2BSPTx3/8-FL



1/2BSPTx1/4-FL



1/2BSPTx1/8-FL

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)		
			A Ref.	B Ref.	C Ref.
3/8 BSPT	1/16 BSPP	3/8BSPTx1/16BSPP-FL	Factory	Factory	Factory
3/8 BSPT	1/8 BSPP	3/8BSPTx1/8BSPP-FL	Factory	Factory	Factory
3/8 BSPT	1/4 BSPP	3/8BSPTx1/4BSPP-FL	Factory	Factory	Factory
1/2 BSPT	1/8	1/2BSPTx1/8-FL	Factory	Factory	Factory
1/2 BSPT	1/4	1/2BSPTx1/4-FL	Factory	Factory	Factory
1/2 BSPT	3/8	1/2BSPTx3/8-FL	Factory	Factory	Factory
1/2 BSPT	M8x.75	1/2BSPTxM8x.75-FL	Factory	Factory	Factory
1/2 BSPT	M8x1	1/2BSPTxM8x1-FL	Factory	Factory	Factory
1/2 BSPT	M8x1.25	1/2BSPTxM8x1.25-FL	Factory	Factory	Factory
1/2 BSPT	1/4 BSPT	1/2BSPTx1/4BSPT-FL	Factory	Factory	Factory
1/2 BSPT	3/8 BSPT	1/2BSPTx3/8BSPT-FL	Factory	Factory	Factory
1/2 BSPT	1/4 BSPP	1/2BSPTx1/4BSPP-FL	Factory	Factory	Factory
1/2 BSPT	3/8 BSPP	1/2BSPTx3/8BSPP-FL	Factory	Factory	Factory

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

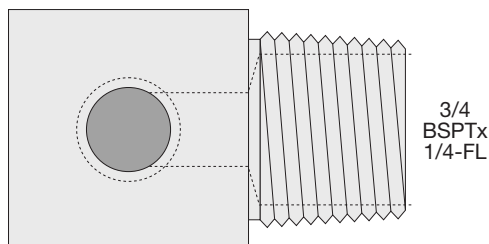
Unless otherwise specified, parts will be Brass. To order other materials, add the following codes to the end of the part number:
-SS = Stainless Steel 303 **-316SS = Stainless Steel 316** **-AL = Aluminum** **-NP = Electroless Nickel Plate**

760

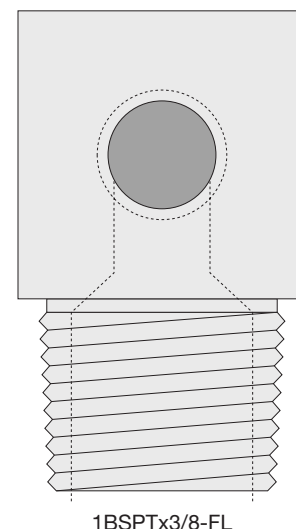
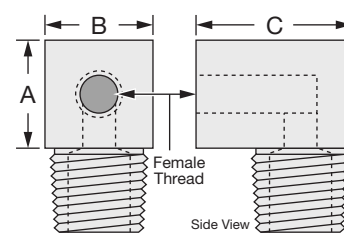
3/4 & 1 BSPT Male to Female Thread Reducing 90° Elbow Adapters

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)		
		Brass	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	Consult Factory	Consult Factory	Consult Factory
3/4 BSPT	1/2	3/4BSPTx1/2-FL	Consult Factory	Consult Factory	Consult Factory
3/4 BSPT	3/4	3/4BSPTx3/4-FL	Consult Factory	Consult Factory	Consult Factory
3/4 BSPT	1/4 BSPT	3/4BSPTx1/4BSPT-FL	Consult Factory	Consult Factory	Consult Factory
3/4 BSPT	3/8 BSPT	3/4BSPTx3/8BSPT-FL	Consult Factory	Consult Factory	Consult Factory
3/4 BSPT	1/2 BSPT	3/4BSPTx1/2BSPT-FL	Consult Factory	Consult Factory	Consult Factory
3/4 BSPT	1/4 BSPP	3/4BSPTx1/4BSPP-FL	Consult Factory	Consult Factory	Consult Factory
3/4 BSPT	3/8 BSPP	3/4BSPTx3/8BSPP-FL	Consult Factory	Consult Factory	Consult Factory

Material options listed on previous page.



Male Thread	Female Thread	Part Numbers	Dimensions (Reference)		
		Brass	A Ref.	B Ref.	C Ref.
3/4 BSPT	1/2 BSPP	3/4BSPTx1/2BSPP-FL	Consult Factory	Consult Factory	Consult Factory
3/4 BSPT	3/4 BSPP	3/4BSPTx3/4BSPP-FL	Consult Factory	Consult Factory	Consult Factory
1 BSPT	1/2	1BSPTx1/2-FL	Consult Factory	Consult Factory	Consult Factory
1 BSPT	3/4	1BSPTx3/4-FL	Consult Factory	Consult Factory	Consult Factory
1 BSPT	1	1BSPTx1-FL	Consult Factory	Consult Factory	Consult Factory
1 BSPT	1/2 BSPT	1BSPTx1/2BSPT-FL	Consult Factory	Consult Factory	Consult Factory
1 BSPT	3/4 BSPT	1BSPTx3/4BSPT-FL	Consult Factory	Consult Factory	Consult Factory
1 BSPT	1/2 BSPP	1BSPTx1/2BSPP-FL	Consult Factory	Consult Factory	Consult Factory
1 BSPT	3/4 BSPP	1BSPTx3/4BSPP-FL	Consult Factory	Consult Factory	Consult Factory
1 BSPT	1 BSPP	1BSPTx1BSPP-FL	Consult Factory	Consult Factory	Consult Factory



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

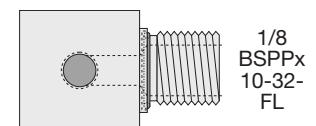
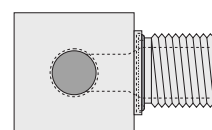
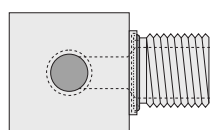
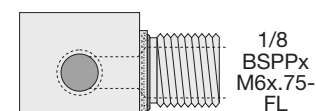
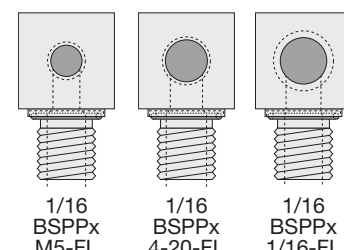
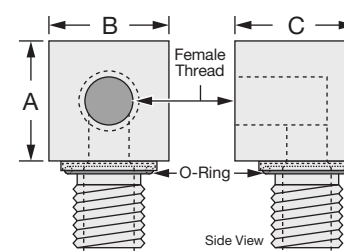
761

1/16 & 1/8 BSPP Male to Female Thread Reducing 90° Elbow Adapters

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)		
		Brass	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	1/16BSPPx10-32-FL	Consult Factory	Consult Factory	Consult Factory
1/16 BSPP	1/4-20	1/16BSPPx4-20-FL	Consult Factory	Consult Factory	Consult Factory
1/16 BSPP	1/4-28	1/16BSPPx4-28-FL	Consult Factory	Consult Factory	Consult Factory
1/16 BSPP	M3	1/16BSPPxM3-FL	Consult Factory	Consult Factory	Consult Factory
1/16 BSPP	M5	1/16BSPPxM5-FL	Consult Factory	Consult Factory	Consult Factory
1/16 BSPP	M6x.75	1/16BSPPxM6x.75-FL	Consult Factory	Consult Factory	Consult Factory
1/16 BSPP	M6x1	1/16BSPPxM6x1-FL	Consult Factory	Consult Factory	Consult Factory
1/8 BSPP	8-32	1/8BSPPx8-32-FL	Consult Factory	Consult Factory	Consult Factory
1/8 BSPP	10-32	1/8BSPPx10-32-FL	Consult Factory	Consult Factory	Consult Factory
1/8 BSPP	1/4-20	1/8BSPPx4-20-FL	Consult Factory	Consult Factory	Consult Factory
1/8 BSPP	1/4-28	1/8BSPPx4-28-FL	Consult Factory	Consult Factory	Consult Factory
1/8 BSPP	1/16	1/8BSPPx1/16-FL	Consult Factory	Consult Factory	Consult Factory

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

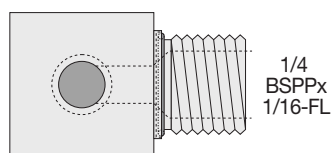
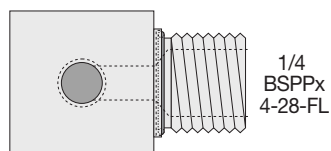
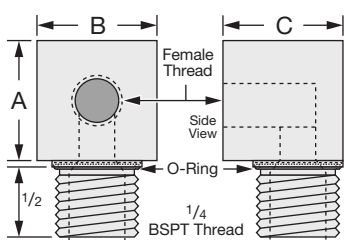
Male Thread	Female Thread	Part Numbers	Dimensions (Reference)		
		Brass	A Ref.	B Ref.	C Ref.
1/8 BSPP	5/16-18	1/8BSPPx5/16-18-FL	Consult Factory	Consult Factory	Consult Factory
1/8 BSPP	5/16-24	1/8BSPPx5/16-24-FL	Consult Factory	Consult Factory	Consult Factory
1/8 BSPP	M3	1/8BSPPxM3-FL	Consult Factory	Consult Factory	Consult Factory
1/8 BSPP	M5	1/8BSPPxM5-FL	Consult Factory	Consult Factory	Consult Factory
1/8 BSPP	M6x.75	1/8BSPPxM6x.75-FL	Consult Factory	Consult Factory	Consult Factory
1/8 BSPP	M6x1	1/8BSPPxM6x1-FL	Consult Factory	Consult Factory	Consult Factory
1/8 BSPP	M8x.75	1/8BSPPxM8x.75-FL	Consult Factory	Consult Factory	Consult Factory
1/8 BSPP	M8x1	1/8BSPPxM8x1-FL	Consult Factory	Consult Factory	Consult Factory
1/8 BSPP	M8x1.25	1/8BSPPxM8x1.25-FL	Consult Factory	Consult Factory	Consult Factory
1/8 BSPP	1/16 BSPT	1/8BSPPx1/16BSPT-FL	Consult Factory	Consult Factory	Consult Factory
1/8 BSPP	1/16 BSPP	1/8BSPPx1/16BSPP-FL	Consult Factory	Consult Factory	Consult Factory



1/8BSPPx1/16-FL

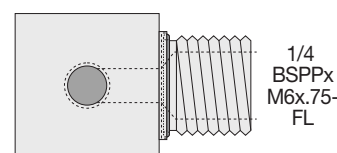
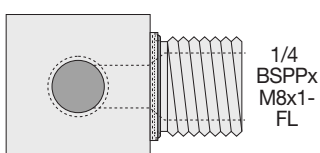
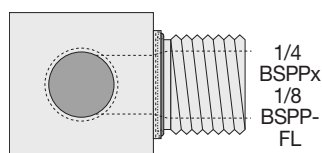
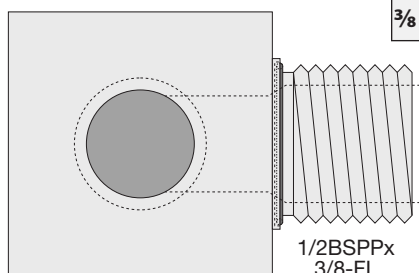
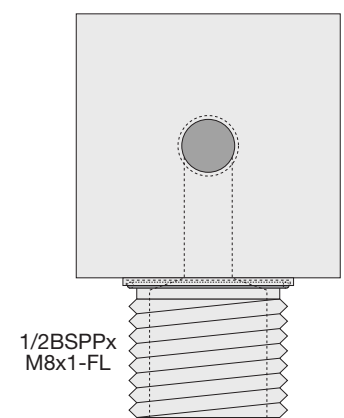
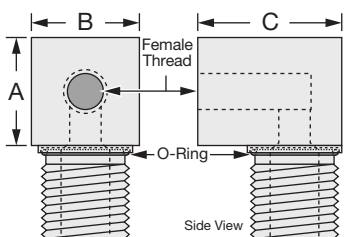
1/8BSPPx4-28-FL

1/8 BSPPx10-32-FL

1/4 BSPP Male to Female Thread Reducing 90° Elbow Adapters**762**

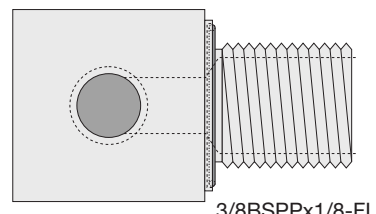
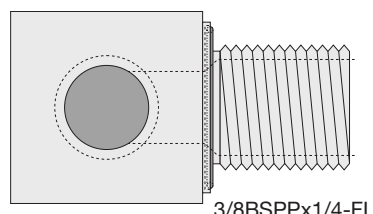
Male Thread	Female Thread	Part Numbers	Dimensions (Reference)		
		Brass	A Ref.	B Ref.	C Ref.
1/4 BSPP	1/4-28	1/4BSPPx4-28-FL	Consult Factory	Consult Factory	Consult Factory
1/4 BSPP	1/16	1/4BSPPx1/16-FL	Consult Factory	Consult Factory	Consult Factory
1/4 BSPP	5/16-18	1/4BSPPx 5/16-18-FL	Consult Factory	Consult Factory	Consult Factory
1/4 BSPP	5/16-24	1/4BSPPx 5/16-24-FL	Consult Factory	Consult Factory	Consult Factory
1/4 BSPP	1/8	1/4BSPPx1/8-FL	Consult Factory	Consult Factory	Consult Factory
1/4 BSPP	M6x.75	1/4BSPPxM6x.75-FL	Consult Factory	Consult Factory	Consult Factory
1/4 BSPP	M6x1	1/4BSPPxM6x1-FL	Consult Factory	Consult Factory	Consult Factory

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)		
		Brass	A Ref.	B Ref.	C Ref.
1/4 BSPP	M8x.75	1/4BSPPxM8x.75-FL	Consult Factory	Consult Factory	Consult Factory
1/4 BSPP	M8x1	1/4BSPPxM8x1-FL	Consult Factory	Consult Factory	Consult Factory
1/4 BSPP	M8x1.25	1/4BSPPxM8x1.25-FL	Consult Factory	Consult Factory	Consult Factory
1/4 BSPP	1/16 BSPT	1/4BSPPx 1/16BSPT-FL	Consult Factory	Consult Factory	Consult Factory
1/4 BSPP	1/8 BSPT	1/4BSPPx 1/8BSPT-FL	Consult Factory	Consult Factory	Consult Factory
1/4 BSPP	1/16 BSPP	1/4BSPPx 1/16BSPP-FL	Consult Factory	Consult Factory	Consult Factory
1/4 BSPP	1/8 BSPP	1/4BSPPx 1/8BSPP-FL	Consult Factory	Consult Factory	Consult Factory

**3/8 & 1/2 BSPT Male to Female Thread Reducing 90° Elbow Adapters****763**

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)		
		Brass	A Ref.	B Ref.	C Ref.
3/8 BSPP	1/16	3/8BSPPx1/16-FL	Consult Factory	Consult Factory	Consult Factory
3/8 BSPP	5/16-18	3/8BSPPx 5/16-18-FL	Consult Factory	Consult Factory	Consult Factory
3/8 BSPP	5/16-24	3/8BSPPx 5/16-24-FL	Consult Factory	Consult Factory	Consult Factory
3/8 BSPP	1/8	3/8BSPPx1/8-FL	Consult Factory	Consult Factory	Consult Factory
3/8 BSPP	1/4	3/8BSPPx1/4-FL	Consult Factory	Consult Factory	Consult Factory
3/8 BSPP	M6x.75	3/8BSPPx M6x.75-FL	Consult Factory	Consult Factory	Consult Factory
3/8 BSPP	M6x1	3/8BSPPxM6x1-FL	Consult Factory	Consult Factory	Consult Factory
3/8 BSPP	M8x.75	3/8BSPPx M8x.75-FL	Consult Factory	Consult Factory	Consult Factory
3/8 BSPP	M8x1	3/8BSPPx M8x1-FL	Consult Factory	Consult Factory	Consult Factory
3/8 BSPP	M8x1.25	3/8BSPPx M8x1.25-FL	Consult Factory	Consult Factory	Consult Factory
3/8 BSPP	1/16 BSPT	3/8BSPPx 1/16BSPT-FL	Consult Factory	Consult Factory	Consult Factory
3/8 BSPP	1/8 BSPT	3/8BSPPx 1/8BSPT-FL	Consult Factory	Consult Factory	Consult Factory
3/8 BSPP	1/4 BSPT	3/8BSPPx 1/4BSPT-FL	Consult Factory	Consult Factory	Consult Factory

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)		
		Brass	A Ref.	B Ref.	C Ref.
3/8 BSPP	1/16 BSPP	3/8BSPPx 1/16BSPP-FL	Consult Factory	Consult Factory	Consult Factory
3/8 BSPP	1/8 BSPP	3/8BSPPx 1/8BSPP-FL	Consult Factory	Consult Factory	Consult Factory
3/8 BSPP	1/4 BSPP	3/8BSPPx 1/4BSPP-FL	Consult Factory	Consult Factory	Consult Factory
1/2 BSPP	1/8	1/2BSPPx1/8-FL	Consult Factory	Consult Factory	Consult Factory
1/2 BSPP	1/4	1/2BSPPx1/4-FL	Consult Factory	Consult Factory	Consult Factory
1/2 BSPP	3/8	1/2BSPPx3/8-FL	Consult Factory	Consult Factory	Consult Factory
1/2 BSPP	M8x.75	1/2BSPPx M8x.75-FL	Consult Factory	Consult Factory	Consult Factory
1/2 BSPP	M8x1	1/2BSPPx M8x1-FL	Consult Factory	Consult Factory	Consult Factory
1/2 BSPP	M8x1.25	1/2BSPPx M8x1.25-FL	Consult Factory	Consult Factory	Consult Factory
1/2 BSPP	1/4 BSPT	1/2BSPPx 1/4BSPT-FL	Consult Factory	Consult Factory	Consult Factory
1/2 BSPP	3/8 BSPT	1/2BSPPx 3/8BSPT-FL	Consult Factory	Consult Factory	Consult Factory
1/2 BSPP	1/4 BSPP	1/2BSPPx 1/4BSPP-FL	Consult Factory	Consult Factory	Consult Factory
1/2 BSPP	3/8 BSPP	1/2BSPPx 3/8BSPP-FL	Consult Factory	Consult Factory	Consult Factory



O-Ring
material
options
listed on
page 65!

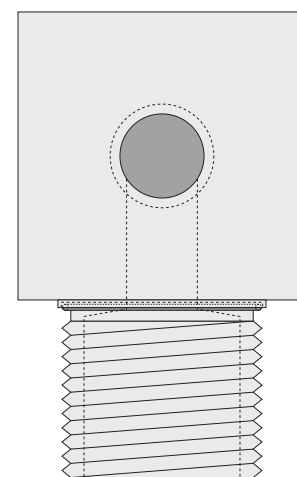
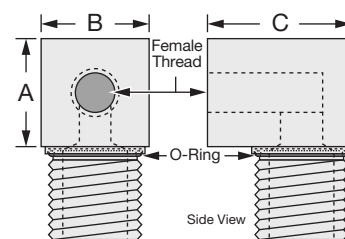
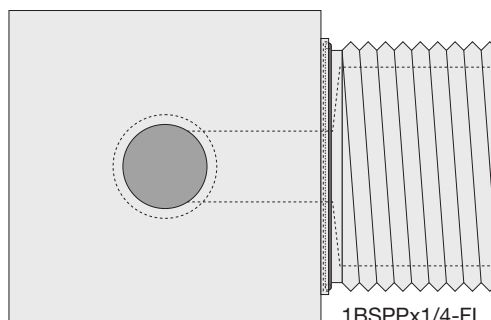
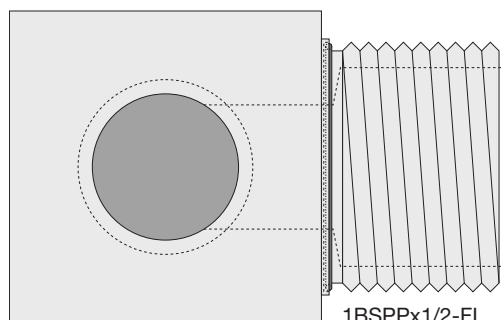
Unless otherwise specified, parts will be Brass. To order other materials, add the following codes to the end of the part number:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -AL = Aluminum -NP = Electroless Nickel Plate

764

3/4 & 1 BSPP Male to Female Thread Reducing 90° Elbow Adapters

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)		
		Brass	A Ref.	B Ref.	C Ref.
3/4 BSPP	1/4	3/4BSPPx1/4-FL	Consult Factory	Consult Factory	Consult Factory
3/4 BSPP	3/8	3/4BSPPx3/8-FL	Consult Factory	Consult Factory	Consult Factory
3/4 BSPP	1/2	3/4BSPPx1/2-FL	Consult Factory	Consult Factory	Consult Factory
3/4 BSPP	3/4	3/4BSPPx3/4-FL	Consult Factory	Consult Factory	Consult Factory
3/4 BSPP	1/4 BSPT	3/4BSPPx 1/4BSPT-FL	Consult Factory	Consult Factory	Consult Factory
3/4 BSPP	3/8 BSPT	3/4BSPPx 3/8BSPT-FL	Consult Factory	Consult Factory	Consult Factory
3/4 BSPP	1/2 BSPT	3/4BSPPx 1/2BSPT-FL	Consult Factory	Consult Factory	Consult Factory
3/4 BSPP	3/4 BSPT	3/4BSPPx 3/4BSPT-FL	Consult Factory	Consult Factory	Consult Factory
3/4 BSPP	1/4 BSPP	3/4BSPPx 1/4BSPP-FL	Consult Factory	Consult Factory	Consult Factory

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



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

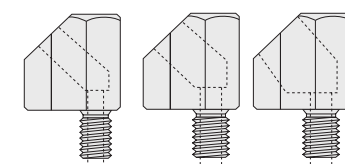
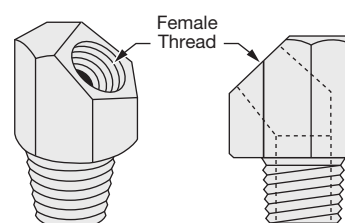
Standard Thread Sizes	
8-32	5/16-24
10-32	1/8
1/4-20	1/4
1/4-28	3/8-24
1/16	3/8
5/16-18	1/2

Metric Thread Sizes	
M3	M8x.75
M5	M8x1
M6x.75	M8x1.25
M6x1	M10x1

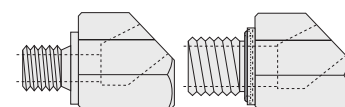
O-Ring options
available! Materials
listed on page 65!

BSPT & BSPP Thread Sizes	
1/16 BSPT	1/16 BSPP
1/8 BSPT	1/8 BSPP
1/4 BSPT	1/4 BSPP
3/8 BSPT	3/8 BSPP
1/2 BSPT	1/2 BSPP

Consult factory for dimensions & specifications!
Lead times & minimum quantities may apply!



8-32x10-32-FL-45° 10-32x4-28-FL-45° 10-32x1/8-FL-45°



M6x1x10-32-FL-45° 1/16BSPPx4-28-FL-45°

Part Numbers for Male to Female Thread 45° Elbow Adapters:

Male Thread Size	##	x	##	-	FL-45°	Fitting Series
			Female Thread Size			

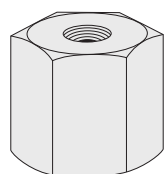
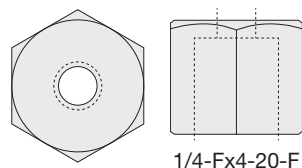
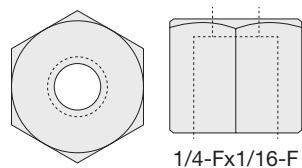
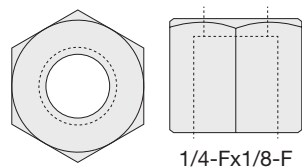
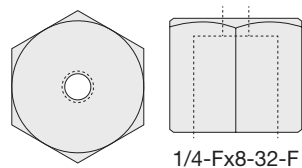
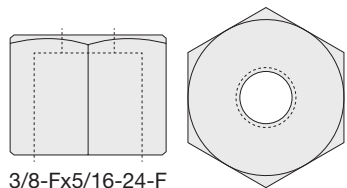
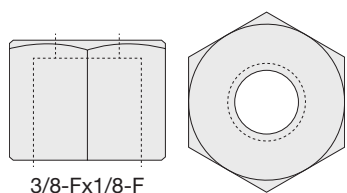
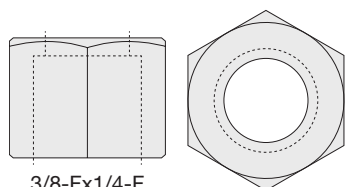
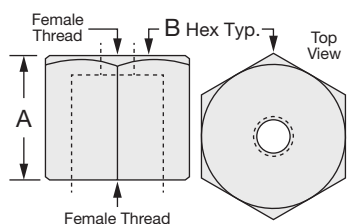
Other metric thread options available:

M4 • M7x1 • M10x.75 • M10x1 • M10x1.5 • M12x1 • M12x1.25 • M12x1.5
Lead times and minimum quantities apply! Consult factory for details!

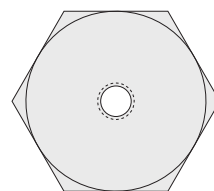
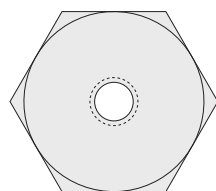
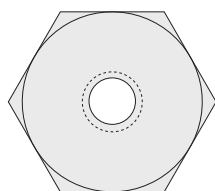
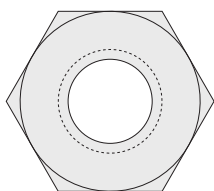
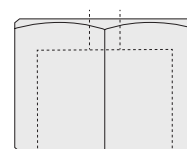
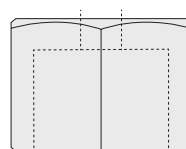
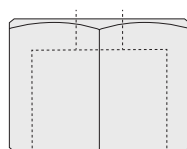
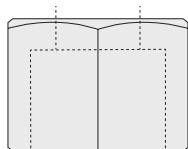
Unless otherwise specified, parts will be Brass. To order other materials, add the following codes to the end of the part number:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -AL = Aluminum -NP = Electroless Nickel Plate

Reducing Female x Female Hex Cap Adapters

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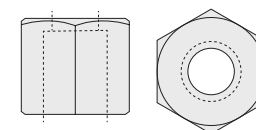
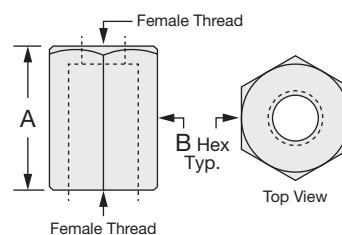
Larger Female Thread	Smaller Female Thread	Part Numbers					Dimensions (Reference)	
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.
1/2	3/8	1/2-Fx3/8-F	1/2-Fx3/8-F-SS	1/2-Fx3/8-F-316SS	1/2-Fx3/8-F-AL	1/2-Fx3/8-F-NP	1 1/16	1 5/16
1/2	1/4	1/2-Fx1/4-F	1/2-Fx1/4-F-SS	1/2-Fx1/4-F-316SS	1/2-Fx1/4-F-AL	1/2-Fx1/4-F-NP	1 1/16	1 5/16
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	1 1/16	1 5/16
1/2	5/16-24	1/2-Fx 5/16-24-F	1/2-Fx 5/16-24-F-SS	1/2-Fx 5/16-24-F-316SS	1/2-Fx 5/16-24-F-AL	1/2-Fx 5/16-24-F-NP	1 1/16	1 5/16
1/2	5/16-18	1/2-Fx 5/16-18-F	1/2-Fx 5/16-18-F-SS	1/2-Fx 5/16-18-F-316SS	1/2-Fx 5/16-18-F-AL	1/2-Fx 5/16-18-F-NP	1 1/16	1 5/16
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	1 1/16	1 5/16
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	1 1/16	1 5/16
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	1 1/16	1 5/16
1/2	10-32	1/2-Fx10-32-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	1 1/16	1 5/16
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	1 1/16	1 5/16
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	1 3/16
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	1 3/16
3/8	5/16-24	3/8-Fx 5/16-24-F	3/8-Fx 5/16-24-F-SS	3/8-Fx 5/16-24-F-316SS	3/8-Fx 5/16-24-F-AL	3/8-Fx 5/16-24-F-NP	5/8	1 3/16
3/8	5/16-18	3/8-Fx 5/16-18-F	3/8-Fx 5/16-18-F-SS	3/8-Fx 5/16-18-F-316SS	3/8-Fx 5/16-18-F-AL	3/8-Fx 5/16-18-F-NP	5/8	1 3/16
3/8	1/16	3/8-Fx1/16-F	3/8-Fx 1/16-F-SS	3/8-Fx 1/16-F-316SS	3/8-Fx 1/16-F-AL	3/8-Fx 1/16-F-NP	5/8	1 3/16
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	1 3/16
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	1 3/16
3/8	10-32	3/8-Fx10-32-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	1 3/16
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	1 3/16
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	1 1/16
1/4	5/16-24	1/4-Fx 5/16-24-F	1/4-Fx 5/16-24-F-SS	1/4-Fx 5/16-24-F-316SS	1/4-Fx 5/16-24-F-AL	1/4-Fx 5/16-24-F-NP	.595	1 1/16
1/4	5/16-18	1/4-Fx 5/16-18-F	1/4-Fx 5/16-18-F-SS	1/4-Fx 5/16-18-F-316SS	1/4-Fx 5/16-18-F-AL	1/4-Fx 5/16-18-F-NP	.595	1 1/16
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	1 1/16
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	1 1/16
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	1 1/16
1/4	10-32	1/4-Fx10-32-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	1 1/16
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	1 1/16



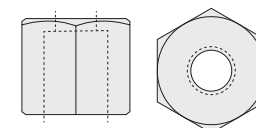
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Reducing Female x Female Hex Cap Adapters

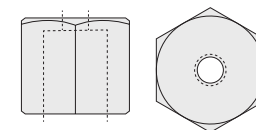
Larger Female Thread	Smaller Female Thread	Part Numbers					Dimensions (Reference)	
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.
1/8	5/16-24	1/8-Fx 5/16-24-F	1/8-Fx 5/16-24-F-SS	1/8-Fx 5/16-24-F-316SS	1/8-Fx 5/16-24-F-AL	1/8-Fx 5/16-24-F-NP	1/2	9/16
1/8	5/16-18	1/8-Fx 5/16-18-F	1/8-Fx 5/16-18-F-SS	1/8-Fx 5/16-18-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-Fx10-32-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-Fx 5/16-18-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-Fx4-28-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-Fx4-20-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-Fx10-32-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-Fx8-32-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-Fx4-20-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-Fx10-32-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-Fx8-32-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-Fx10-32-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-Fx8-32-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-Fx8-32-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



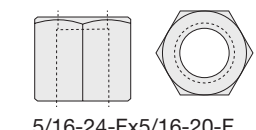
1/8-Fx1/16-F



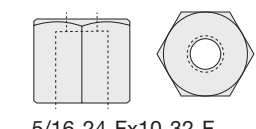
1/8-Fx4-28-F



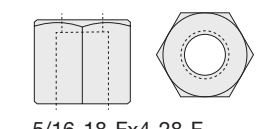
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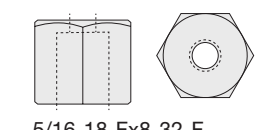
5/16-24-Fx5/16-20-F



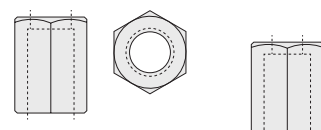
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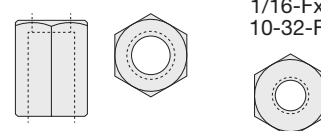
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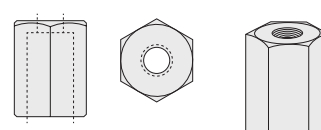
5/16-18-Fx8-32-F



1/16-Fx4-28-F



1/16-Fx10-32-F

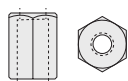


1/16-Fx4-20-F

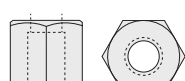


1/16-Fx8-32-F

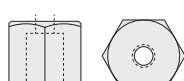
Metric threads available! Lead times & minimum quantities apply! Consult factory for details!



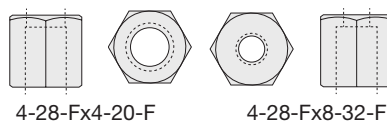
M5-FxM3-F
•Sample listing; many options available!•



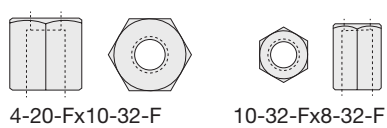
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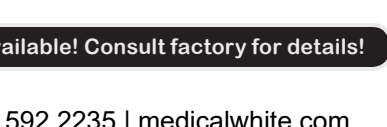
M6x1-FxM3-F



4-28-Fx4-20-F



4-28-Fx8-32-F



4-20-Fx10-32-F

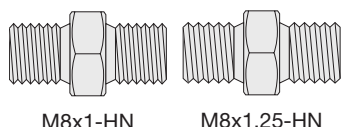
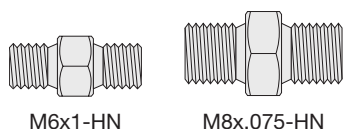
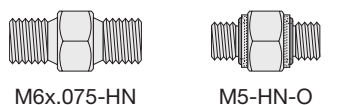
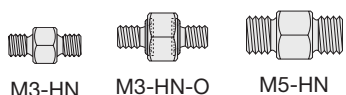
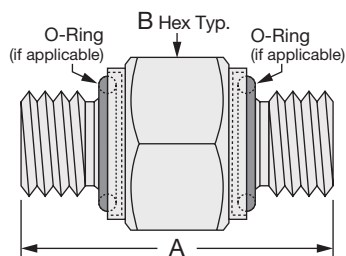


10-32-Fx8-32-F

Other Reducing Hex Cap Adapter female thread sizes available! Consult factory for details!

Metric Hex Nipples

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Note: Images are for visual representation only!

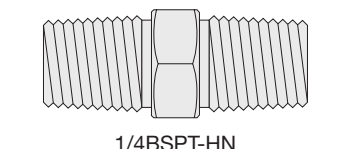
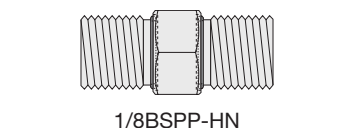
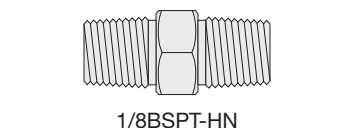
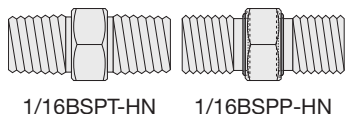
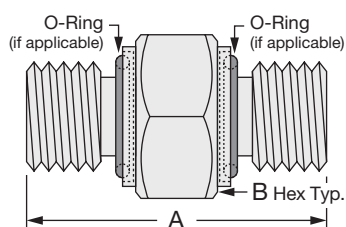
Thread Size	Type Seal	Part Numbers					Dimensions (Reference)	
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.
M3	Fibre Gasket	M3-HN	M3-HN-SS	M3-HN-316SS	M3-HN-AL	M3-HN-NP	Consult Factory	
M3	O-Ring	M3-HN-O	M3-HN-O-SS	M3-HN-O-316SS	M3-HN-O-AL	M3-HN-O-NP	Consult Factory	
M5	Fibre Gasket	M5-HN	M5-HN-SS	M5-HN-316SS	M5-HN-AL	M5-HN-NP	1/2	1/4
M5	O-Ring	M5-HN-O	M5-HN-O-SS	M5-HN-O-316SS	M5-HN-O-AL	M5-HN-O-NP	Consult Factory 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		
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		
M6x1	Fibre Gasket	M6x1-HN	M6x1-HN-SS	M6x1-HN-316SS	M6x1-HN-AL	M6x1-HN-NP		
M6x1	O-Ring	M6x1-HN-O	M6x1-HN-O-SS	M6x1-HN-O-316SS	M6x1-HN-O-AL	M6x1-HN-O-NP		
M8x1	Fibre Gasket	M8x1-HN	M8x1-HN-SS	M8x1-HN-316SS	M8x1-HN-AL	M8x1-HN-NP		
M8x1	O-Ring	M8x1-HN-O	M8x1-HN-O-SS	M8x1-HN-O-316SS	M8x1-HN-O-AL	M8x1-HN-O-NP		
M8x1.25	Fibre Gasket	M8x1.25-HN	M8x1.25-HN-SS	M8x1.25-HN-316SS	M8x1.25-HN-AL	M8x1.25-HN-NP		
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		
M10x1	Fibre Gasket	M10x1-HN	M10x1-HN-SS	M10x1-HN-316SS	M10x1-HN-AL	M10x1-HN-NP		
M10x1	O-Ring	M10x1-HN-O	M10x1-HN-O-SS	M10x1-HN-O-316SS	M10x1-HN-O-AL	M10x1-HN-O-NP		

M4 & M7 threads also available!

Anodized Aluminum available - see next page!

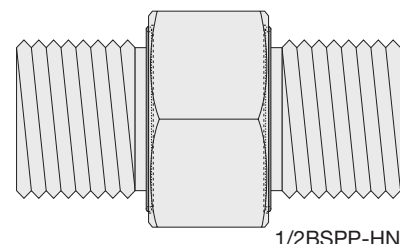
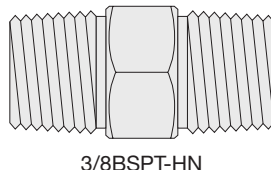
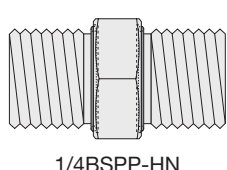
BSPT & BSPP Hex Nipples

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Thread Size	Type 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	3/32	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	13/32	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 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		
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		
1/2 BSPT	No Seal	1/2BSPT-HN	1/2BSPT-HN-SS	1/2BSPT-HN-316SS	1/2BSPT-HN-AL	1/2BSPT-HN-NP		
1/2 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 Consult Factory	

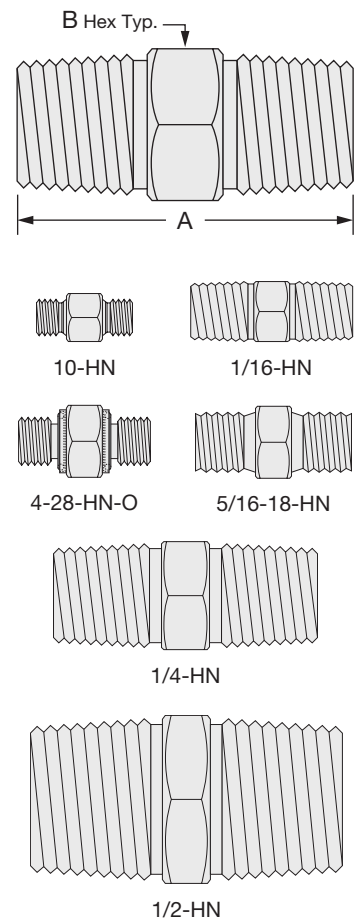
O-Ring options listed on page 65!



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Standard Hex Nipples

Thread Size	Type 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	8-32-HN	8-32-HN-SS	8-32-HN-316SS	8-32-HN-AL	8-32-HN-NP	1/2	1/4
8-32	O-Ring	8-32-HN-O	8-32-HN-O-SS	8-32-HN-O-316SS	8-32-HN-O-AL	8-32-HN-O-NP	Consult Factory	
10-32	Fibre Gasket	10-HN	10-HN-SS	10-HN-316SS	10-HN-AL	10-HN-NP	1/2	1/4
10-32	O-Ring	10-HN-O	10-HN-O-SS	10-HN-O-316SS	10-HN-O-AL	10-HN-O-NP	Consult Factory	
1/4-20	Fibre Gasket	4-20-HN	4-20-HN-SS	4-20-HN-316SS	4-20-HN-AL	4-20-HN-NP	Consult Factory	
1/4-20	O-Ring	4-20-HN-O	4-20-HN-O-SS	4-20-HN-O-316SS	4-20-HN-O-AL	4-20-HN-O-NP	Consult Factory	
1/4-28	Fibre Gasket	4-28-HN	4-28-HN-SS	4-28-HN-316SS	4-28-HN-AL	4-28-HN-NP	Consult Factory	
1/4-28	O-Ring	4-28-HN-O	4-28-HN-O-SS	4-28-HN-O-316SS	4-28-HN-O-AL	4-28-HN-O-NP	Consult Factory	
1/16 NPT	No Seal	1/16-HN	1/16-HN-SS	1/16-HN-316SS	1/16-HN-AL	1/16-HN-NP	Consult Factory	
1/8 NPT	No Seal	1/8-HN	1/8-HN-SS	1/8-HN-316SS	1/8-HN-AL	1/8-HN-NP	3/32	7/16
1/4 NPT	No Seal	1/4-HN	1/4-HN-SS	1/4-HN-316SS	1/4-HN-AL	1/4-HN-NP	1 3/8	9/16
5/16-18	No Seal	5/16-18-HN	5/16-18-HN-SS	5/16-18-HN-316SS	5/16-18-HN-AL	5/16-18-HN-NP	Consult Factory	
5/16-18	O-Ring	5/16-18-HN-O	5/16-18-HN-O-SS	5/16-18-HN-O-316SS	5/16-18-HN-O-AL	5/16-18-HN-O-NP	Consult Factory	
5/16-24	No Seal	5/16-24-HN	5/16-24-HN-SS	5/16-24-HN-316SS	5/16-24-HN-AL	5/16-24-HN-NP	Consult Factory	
5/16-24	O-Ring	5/16-24-HN-O	5/16-24-HN-O-SS	5/16-24-HN-O-316SS	5/16-24-HN-O-AL	5/16-24-HN-O-NP	Consult Factory	
3/8-24	No Seal	3/8-24-HN	3/8-24-HN-SS	3/8-24-HN-316SS	3/8-24-HN-AL	3/8-24-HN-NP	Consult Factory	
3/8 NPT	No Seal	3/8-HN	3/8-HN-SS	3/8-HN-316SS	3/8-HN-AL	3/8-HN-NP	Consult Factory	
1/2 NPT	No Seal	1/2-HN	1/2-HN-SS	1/2-HN-316SS	1/2-HN-AL	1/2-HN-NP	Consult Factory	



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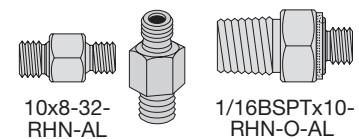
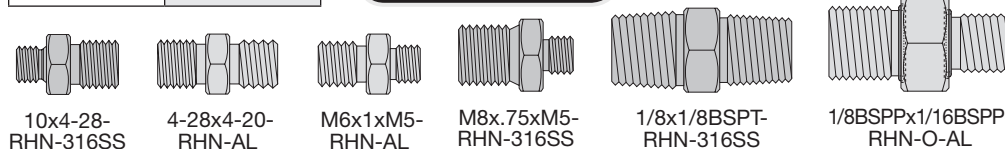
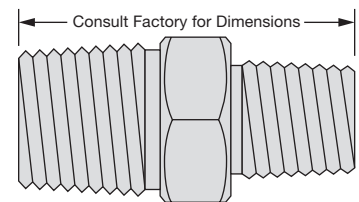
Aluminum & Stainless Steel Reducing Hex Nipples

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!

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!

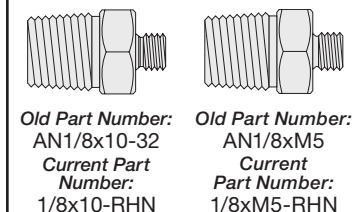
Part Numbers for Reducing Hex Nipples:



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)



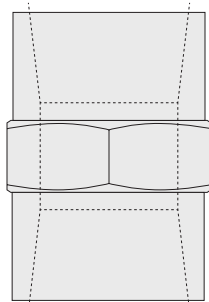
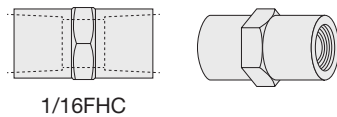
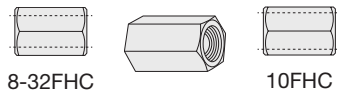
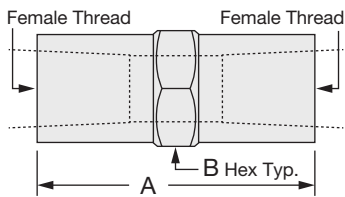
Aluminum Hex and Reducing Hex Nipples can be Nickel Plated or Anodized. Minimum quantities and lead times apply. To order, please add the following codes to the part number:

-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!

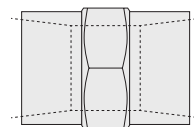
Standard Female Hex Couplings

772

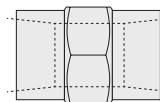


1/2FHC

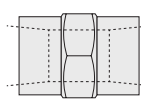
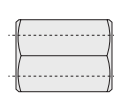
Thread Size	Part Numbers					Dimensions (Reference)	
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.
8-32	8-32FHC	8-32FHC-SS	8-32FHC-316SS	8-32FHC-AL	8-32FHC-NP	3/8	1/4
10-32	10FHC	10FHC-SS	10FHC-316SS	10FHC-AL	10FHC-NP	3/8	1/4
1/4-20	4-20FHC	4-20FHC-SS	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	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	1/8FHC	1/8FHC-SS	1/8FHC-316SS	1/8FHC-AL	1/8FHC-NP	3/4	1/2
1/4	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	3/8FHC	3/8FHC-SS	3/8FHC-316SS	3/8FHC-AL	3/8FHC-NP	Consult Factory	
1/2	1/2FHC	1/2FHC-SS	1/2FHC-316SS	1/2FHC-AL	1/2FHC-NP	1 1/2	1 1/8



1/4FHC



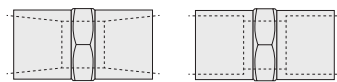
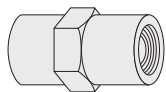
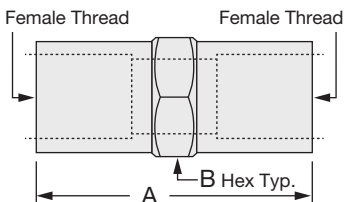
1/8FHC

5/16-18
FHC

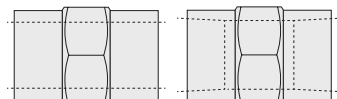
4-28FHC

BSPT & BSPP Female Hex Couplings

773

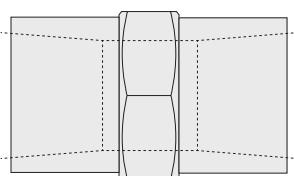


1/16BSPT-FHC 1/16BSPP-FHC

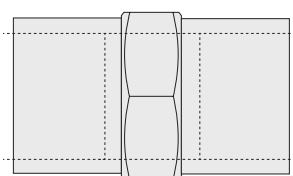


1/8BSPT-FHC 1/8BSPP-FHC

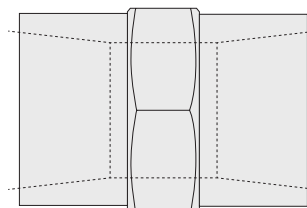
Thread Size	Part Numbers					Dimensions (Reference)	
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.
1/16 BSPT	1/16BSPT-FHC	1/16BSPT-FHC-SS	1/16BSPT-FHC-316SS	1/16BSPT-FHC-AL	1/16BSPT-FHC-NP	.723	3/8
1/16 BSPP	1/16BSPP-FHC	1/16BSPP-FHC-SS	1/16BSPP-FHC-316SS	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 1/8
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 1/8



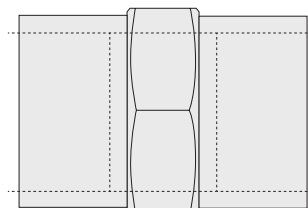
3/8BSPT-FHC



3/8BSPP-FHC



1/2BSPT-FHC

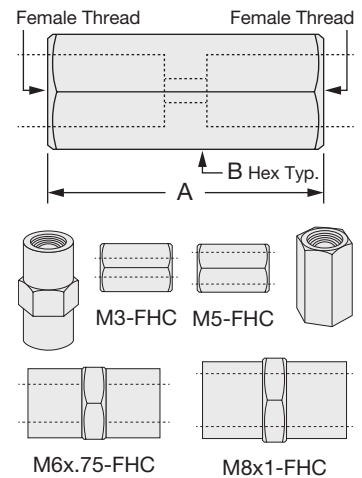


1/2BSPP-FHC

774

Metric Female 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	1 1/16	3/8
M6x1	M6x1-FHC	M6x1-FHC-SS	M6x1-FHC-316SS	M6x1-FHC-AL	M6x1-FHC-NP	1 1/16	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 Hex Couplings

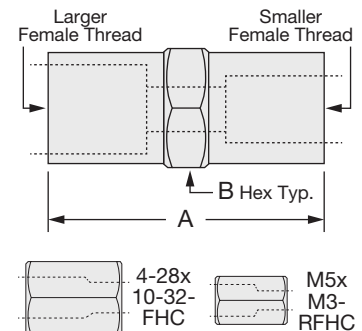
Standard Thread Sizes	
8-32	5/16-24
10-32	1/8 NPT
1/4-20	1/4 NPT
1/4-28	3/8-24
1/16 NPT	3/8 NPT
5/16-18	1/2 NPT

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 also available!



Part Numbers for Reducing Female Hex Couplings:



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

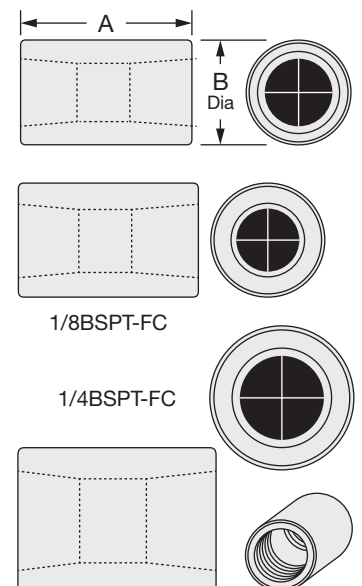
-SS = Stainless Steel 303 -316SS = Stainless Steel 316
-AL = Aluminum 6061-T6 -NP = Electroless Nickel Plate

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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

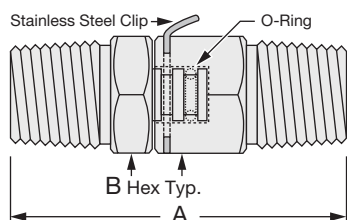
Other anodized color options also available! Minimum quantities & lead times apply! Consult factory for details!



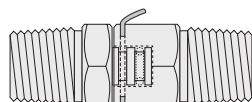
D2

Standard Swivel Nipples

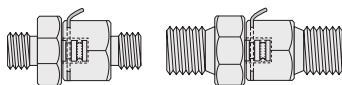
777



1/16SWN-GT

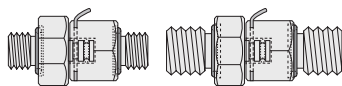
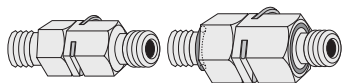


1/8SWN-GT



10SWN-GT

4-28SWN-GT

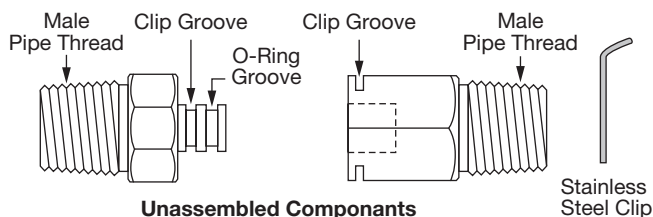
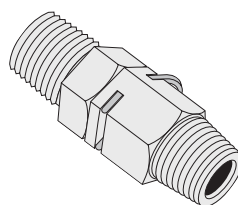
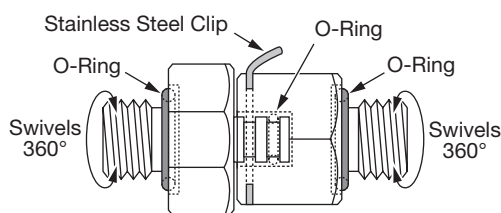


10SWN-O-GT

4-20SWN-O-GT

O-Ring materials listed on page 65!

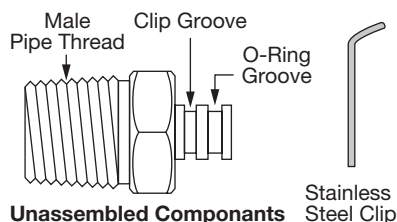
Thread Size and Type of Seal	Part Numbers					Dimensions (Reference)	
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.
8-32 Fibre Gasket	8-32SWN-GT	8-32SWN-GT-SS	8-32SWN-GT-316SS	8-32SWN-GT-AL	8-32SWN-GT-NP	Consult Factory	Consult Factory
8-32 O-Ring	8-32SWN-O-GT	8-32SWN-O-GT-SS	8-32SWN-O-GT-316SS	8-32SWN-O-GT-AL	8-32SWN-O-GT-NP	Consult Factory	Consult Factory
10-32 Fibre Gasket	10SWN-GT	10SWN-GT-SS	10SWN-GT-316SS	10SWN-GT-AL	10SWN-GT-NP	Consult Factory	Consult Factory
10-32 O-Ring	10SWN-O-GT	10SWN-O-GT-SS	10SWN-O-GT-316SS	10SWN-O-GT-AL	10SWN-O-GT-NP	Consult Factory	Consult Factory
1/16 No Seal	1/16SWN-GT	1/16SWN-GT-SS	1/16SWN-GT-316SS	1/16SWN-GT-AL	1/16SWN-GT-NP	Consult Factory	Consult Factory
1/4-20 Fibre Gasket	4-20SWN-GT	4-20SWN-GT-SS	4-20SWN-GT-316SS	4-20SWN-GT-AL	4-20SWN-GT-NP	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory
1/4-28 Fibre Gasket	4-28SWN-GT	4-28SWN-GT-SS	4-28SWN-GT-316SS	4-28SWN-GT-AL	4-28SWN-GT-NP	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory
1/8 No Seal	1/8SWN-GT	1/8SWN-GT-SS	1/8SWN-GT-316SS	1/8SWN-GT-AL	1/8SWN-GT-NP	Consult Factory	Consult Factory
1/4 No Seal	1/4SWN-GT	1/4SWN-GT-SS	1/4SWN-GT-316SS	1/4SWN-GT-AL	1/4SWN-GT-NP	Consult Factory	Consult Factory
5/16-18 None	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	Consult Factory
5/16-18 O-Ring	5/16-18SWN-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	Consult Factory	Consult Factory
5/16-24 No Seal	5/16-24SWN-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
5/16-24 O-Ring	5/16-24SWN-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	Consult Factory	Consult Factory
3/8-24 No Seal	3/8-24SWN-GT	3/8-24SWN-GT-SS	3/8-24SWN-GT-316SS	3/8-24SWN-GT-AL	3/8-24SWN-GT-NP	Consult Factory	Consult Factory
3/8 No Seal	3/8SWN-GT	3/8SWN-GT-SS	3/8SWN-GT-316SS	3/8SWN-GT-AL	3/8SWN-GT-NP	Consult Factory	Consult Factory
1/2 No Seal	1/2SWN-GT	1/2SWN-GT-SS	1/2SWN-GT-316SS	1/2SWN-GT-AL	1/2SWN-GT-NP	Consult Factory	Consult Factory



Unassembled Components

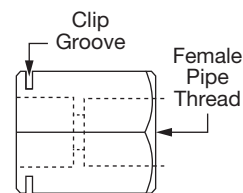
Stainless Steel Clip

Male Thread to Female Thread Swivel Nipples available! Lead times apply! Consult factory for details!

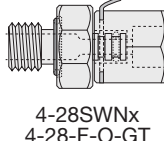
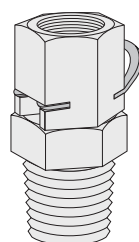
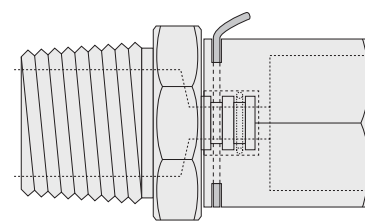


Unassembled Components

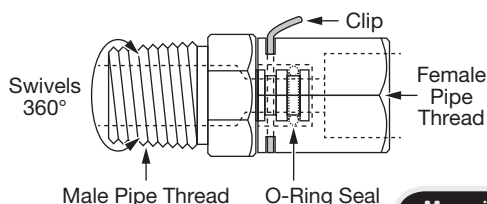
Stainless Steel Clip



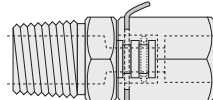
Metric options available! Consult factory for details!

4-28SWNx
4-28-F-O-GT

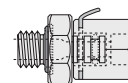
1/2SWNx1/2-F-GT



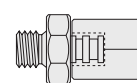
Note: Images are for visual representation only; not intended for dimensional measurements.



1/8SWNx1/16-F-GT



10SWNx10-F-O-GT



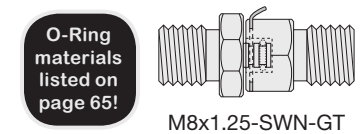
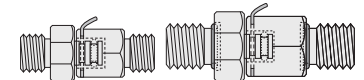
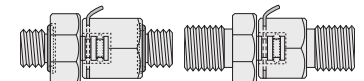
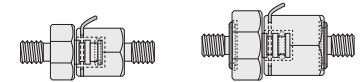
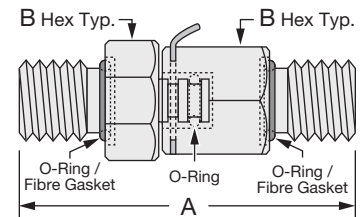
10SWNx4-28-F-GT

More information on Swivel Fittings can be found in the "N2 - Swivel Elbows & Tees" section, the "O2 - GT Series" section, and various male thread to pipe sections of this catalog.

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Metric Swivel Hex Nipples

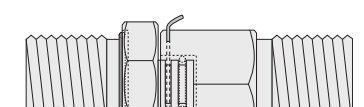
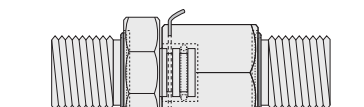
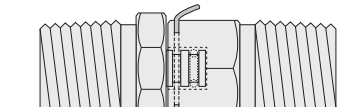
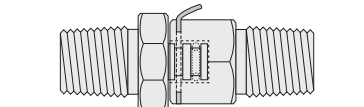
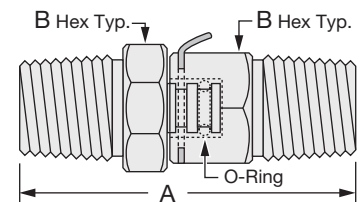
Thread Size and Type of Seal	Part Numbers					Dimensions (Reference)	
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.
M3 Fibre Gasket	M3-SWN-GT	M3-SWN-GT-SS	M3-SWN-GT-316SS	M3-SWN-GT-AL	M3-SWN-GT-NP	Consult Factory	Consult Factory
M3 O-Ring	M3-SWN-O-GT	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		
M8x1 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		



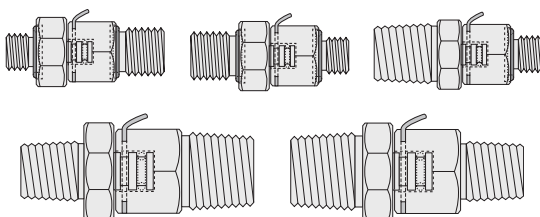
779

BSPT & BSPP Swivel Hex Nipples

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		

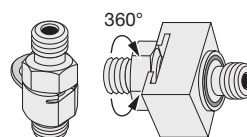


Swivel Nipples with reducing threads available!



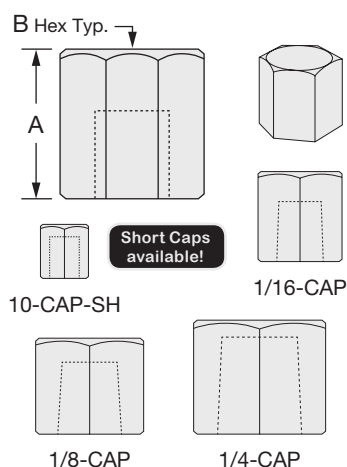
BSPP Thread Swivel Nipples are supplied with O-Rings! O-Ring options listed on page 65!

Other Swivel body styles available!



Female Caps

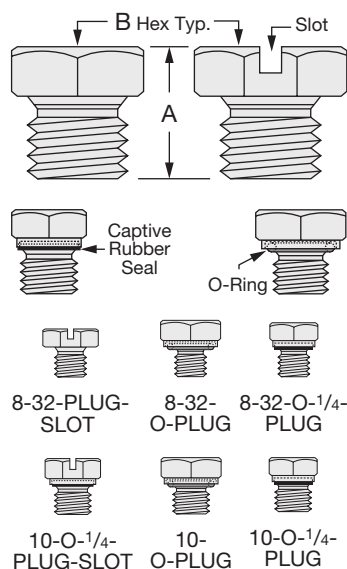
780



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	1 ¹ / 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	1 ¹ / 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	1 ¹ / 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	1 ¹ / ₁₆	15/16

Miniature Male Threaded Plugs & Plugs with Slots

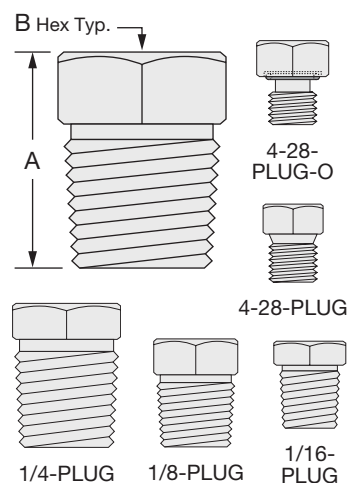
781



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	.293	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	.293	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	.293	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	.293	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



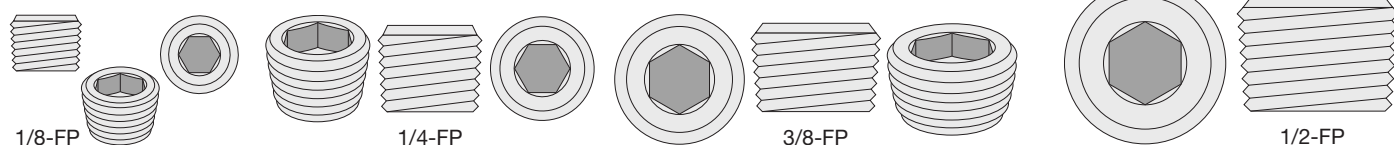
Thread Size	Part Numbers					Dimensions (Reference)	
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.
1/4-28	4-28-PLUG	4-28-PLUG-SS	4-28-PLUG-316SS	4-28-PLUG-AL	4-28-PLUG-NP	13/32	5/16
1/4-28 with O-Ring	4-28-O-PLUG	4-28-O-PLUG-SS	4-28-O-PLUG-316SS	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	3/8
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	1 ¹ / 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)

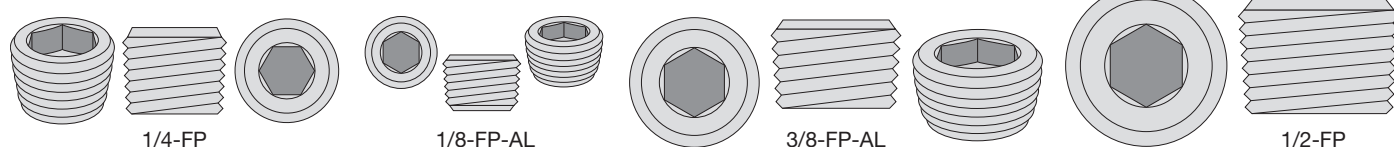
NPT Thread Size	Part Numbers		Dimensions (Reference)	
	Brass	Electroless Nickel Plate	A Ref.	B Typ.
1/8	1/8-FP	1/8-FP-NP	.300	3/16
1/4	1/4-FP	1/4-FP-NP	.450	1/4
3/8	3/8-FP	3/8-FP-NP	.450	5/16
1/2	1/2-FP	1/2-FP-NP	.600	3/8
3/4	3/4-FP	3/4-FP-NP	.620	9/16



784

Aluminum NPT Thread Counter-Sunk Plugs (Flush Plugs)

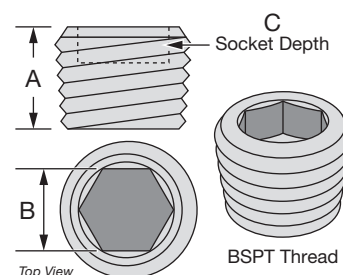
NPT Thread Size	Part Numbers				Dimensions (Reference)		
	Aluminum 2011-T3	Black Anodized Aluminum 2011-T3	Blue Anodized Aluminum 2011-T3	Red Anodized Aluminum 2011-T3	A Ref.	B Typ.	C Ref.
1/16	1/16-FP-AL	1/16-FP-AL-BLK	1/16-FP-AL-BL	1/16-FP-AL-R	.264	5/32	.120
1/8	1/8-FP-AL	1/8-FP-AL-BLK	1/8-FP-AL-BL	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



785

Aluminum BSPT Thread Counter-Sunk Plugs (Flush Plugs)

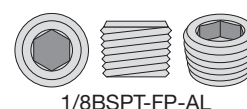
BSPT Thread Size	Part Numbers				Dimensions (Reference)		
	Aluminum 2011-T3	Black Anodized Aluminum 2011-T3	Blue Anodized Aluminum 2011-T3	Red Anodized Aluminum 2011-T3	A Ref.	B Typ.	C Ref.
1/8	1/8BSPT-FP-AL	1/8BSPT-FP-AL-BLK	1/8BSPT-FP-AL-BL	1/8BSPT-FP-AL-R	.290	3/16	.120
1/4	1/4BSPT-FP-AL	1/4BSPT-FP-AL-BLK	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



E2

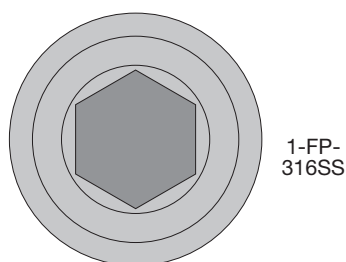
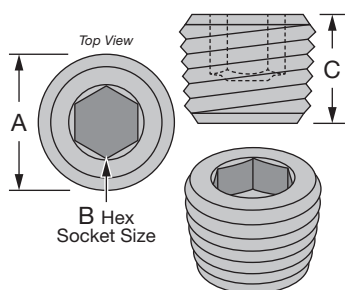
Aluminum Flush Plugs can be also Nickel Plated, Clear Coat Anodized, or Hard Coat Anodized! Other anodized color options available! Minimum quantities & lead times apply!

More thread options available! See list of options on page 435! Consult factory for details!

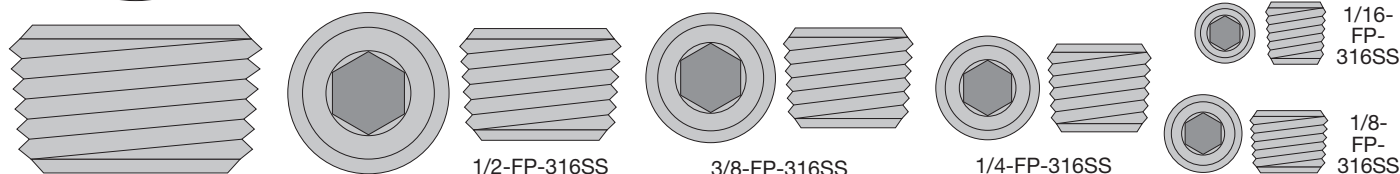


Stainless Steel Dry Seal Hex Socket Pressure Plugs/Flush Plugs

786

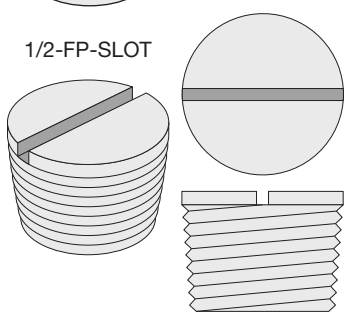
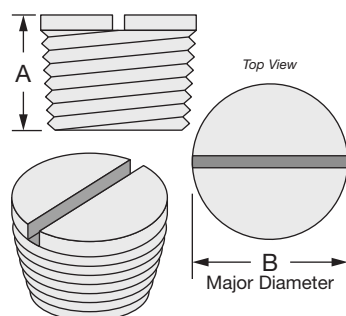


NPT, BSPT, BSPP Thread Sizes	Part Numbers			Dimensions (Reference)			
	NPT Stainless Steel 316	BSPT Stainless Steel 316	BSPP Stainless Steel 316	A Maj. Dia.	B Typ.	C Ref	
						Max.	Min.
1/16	1/16-FP-316SS	1/16BSPT-FP-316SS	1/16BSPP-FP-316SS	.312	5/32	.324	.300
1/8	1/8-FP-316SS	1/8BSPT-FP-316SS	1/8BSPP-FP-316SS	.405	3/16	.324	.300
1/4	1/4-FP-316SS	1/4BSPT-FP-316SS	1/4BSPP-FP-316SS	.540	1/4	.457	.417
3/8	3/8-FP-316SS	3/8BSPT-FP-316SS	3/8BSPP-FP-316SS	.675	5/16	.520	.480
1/2	1/2-FP-316SS	1/2BSPT-FP-316SS	1/2BSPP-FP-316SS	.840	3/8	.582	.542
3/4	3/4-FP-316SS	3/4BSPT-FP-316SS	3/4BSPP-FP-316SS	1.050	9/16	.645	.605
1	1-FP-316SS	1BSPT-FP-316SS	1BSPP-FP-316SS	1.315	5/8	.770	.730
1 1/4	1 1/4-FP-316SS	1 1/4BSPT-FP-316SS	1 1/4BSPP-FP-316SS	1.660	3/4	.832	.792
1 1/2	1 1/2-FP-316SS	1 1/2BSPT-FP-316SS	1 1/2BSPP-FP-316SS	1.900	1	.843	.780
2	2-FP-316SS	2BSPT-FP-316SS	2BSPP-FP-316SS	2.375	1	.906	.844

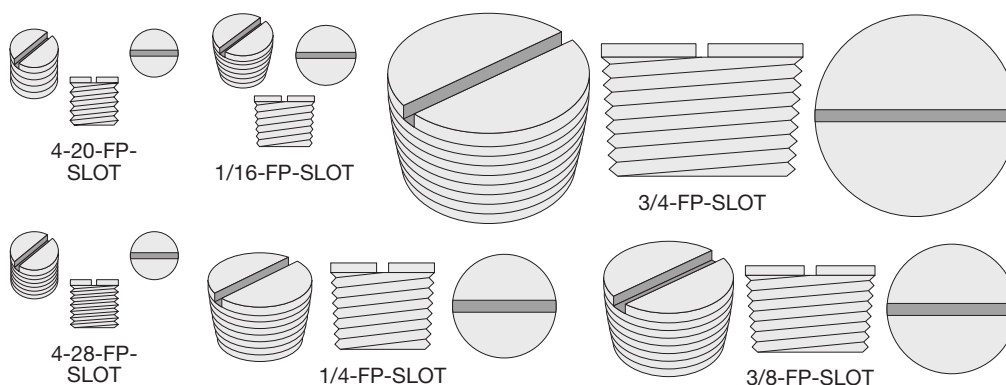


Slotted Flush Plugs

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		.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

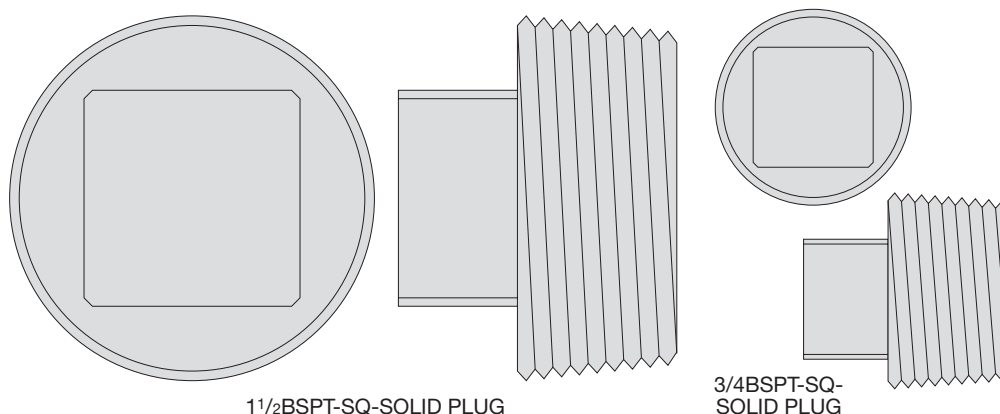
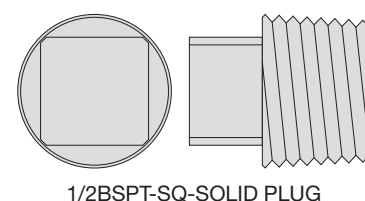
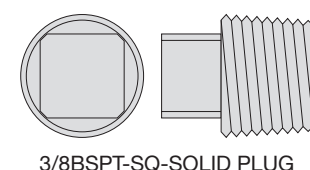
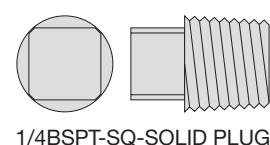
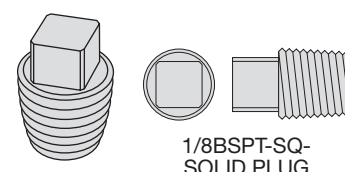
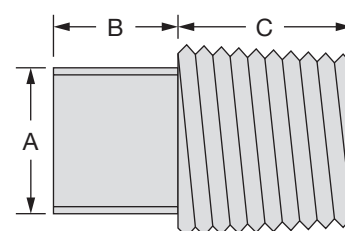


Note: Images are for visual representation only. Dimensions may vary at time of manufacturing. Consult factory for details!

788

BSPT Thread Exterior Square Head Solid Plugs

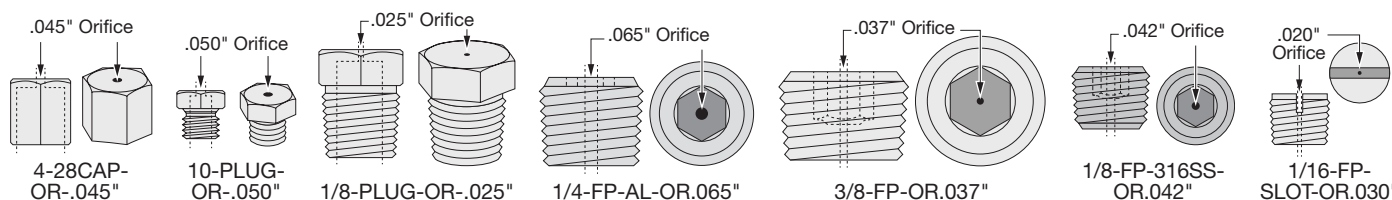
BSPT Thread Size	Part Numbers				Dimensions (Reference)		
	Aluminum 6061-T6	Black Anodized Aluminum 6061-T6	Blue Anodized Aluminum 6061-T6	Red Anodized Aluminum 6061-T6	A Ref.	B Ref.	C Ref.
1/8	1/8BSPT-SQ-SolidPlug-AL	1/8BSPT-SQ-Solid Plug-AL-BLK	1/8BSPT-SQ-Solid Plug-AL-BL	1/8BSPT-SQ-Solid Plug-AL-R	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



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!

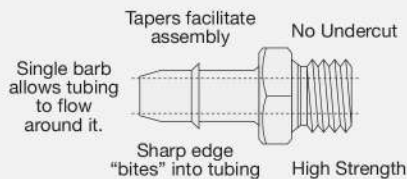
Orifice options are available for Female Caps, Male Threaded Plugs, and Flush Plugs! Orifice diameters are available in increasing increments of .001". See pages 441 - 443 for more information! Consult factory for details!



Many thread sizes are available for Caps & Plugs. Lead times & minimum quantities may apply. Consult factory for details! Thread size options include:

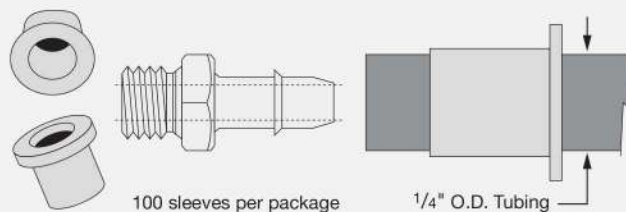
2-56	M2	M6x.75	M8x.75	1/16 BSPT	1/2 BSPT	1/16 BSPP	1/2 BSPP
3-56	M3	M6x1	M8x1	1/8 BSPT	3/4 BSPT	1/8 BSPP	3/4 BSPP
6-32	M4	M7	M8x1.25	1/4 BSPT	1 BSPT	1/4 BSPP	1 BSPP
10-24	M5			3/8 BSPT		3/8 BSPP	

F Series Barbed Fittings



Medical White'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.

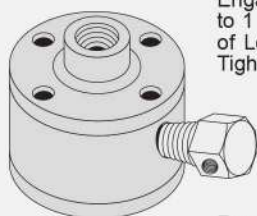
Flanged Locking Sleeves



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.



Recommended

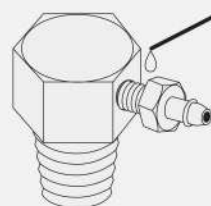
Loctite® anaerobic sealants

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®.

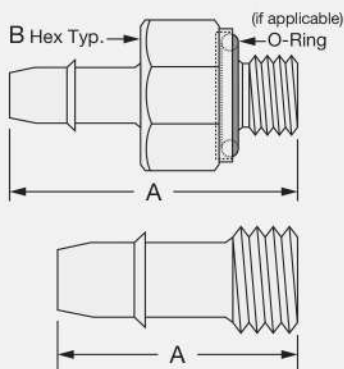


Engage the barbed fitting 1/2 to 1 turn. Apply a drop of Loctite® at junction. Finish treading the fitting into the hole. Allow the Loctite® to cure.

Loctite® is a registered trademark of Loctite Corp.

#1, #3, and #4 Barbed Fittings

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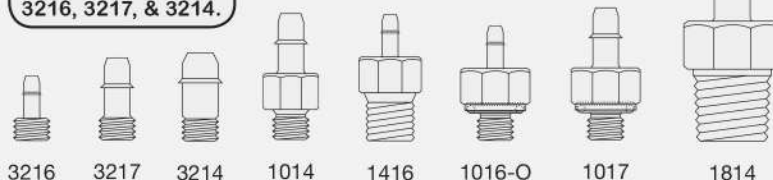
Barb #	Tube ID	Thread Size and Type of Seal	Part Numbers					Dimensions (Reference)	
			Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.
1	1/16	10-32 O-Ring	1016-O	1016-SS-O	1016-316SS-O	1016-AL-O	1016-NP-O	9/16	5/16
1	1/16	1/4-28 No Gasket	1416	1416-SS	1416-316SS	1416-AL	1416-NP	9/16	9/32
1	1/16	10-32 Hexless No Gasket	3216	3216-SS	3216-316SS	3216-AL	3216-NP	.310	N/A
3	1/8	10-32 O-Ring	1017	1017-SS	1017-316SS	1017-AL	1017-NP	21/32	5/16
3	1/8	10-32 Hexless No Gasket	1014	1014-SS	1014-316SS	1014-AL	1014-NP	15/32	N/A
4	.170	10-32 G-10 Gasket	3214	3214-SS	3214-316SS	3214-AL	3214-NP	3/4	1/4
4	.170	1/8 NPT No Gasket	1814	1814-SS	1814-316SS	1814-AL	1814-NP	.986	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 Fittings:

1016-O = B1-O
1416 = 4-28B1
3216 = BA1
1017 = B3
1014 = B4
1814 = 1/8B4
3214 = BA4

Use thread sealant on fittings 3216, 3217, & 3214.

See page 65 for O-Ring material options!

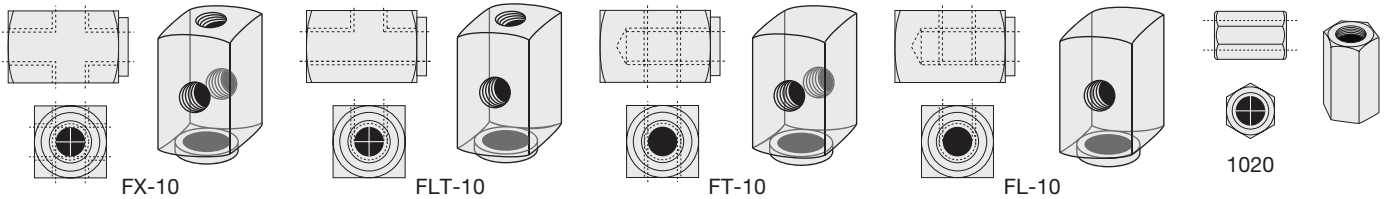
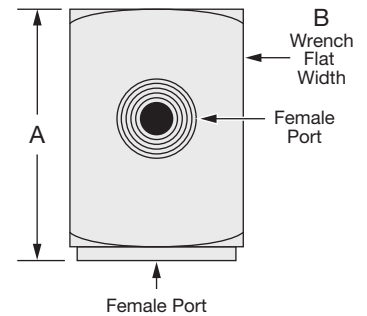


Other barb sizes and fitting options available! Consult factory for details!

790

10-32 Female to Female Thread Fittings

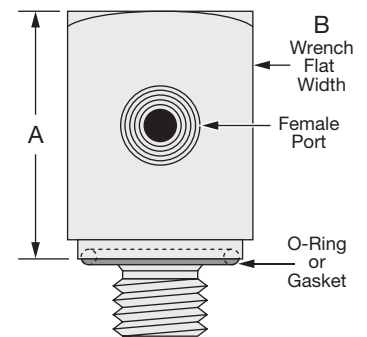
Type of Fitting	Part Numbers					Dimensions (Reference)	
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Ref.
Hex Coupling	1020	1020-SS	1020-316SS	1020-AL	1020-NP	3/8	1/4
Square Elbow	FL-10	FL-10-SS	FL-10-316SS	FL-10-AL	FL-10-NP	5/8	3/8
Square L-Tee	FLT-10	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



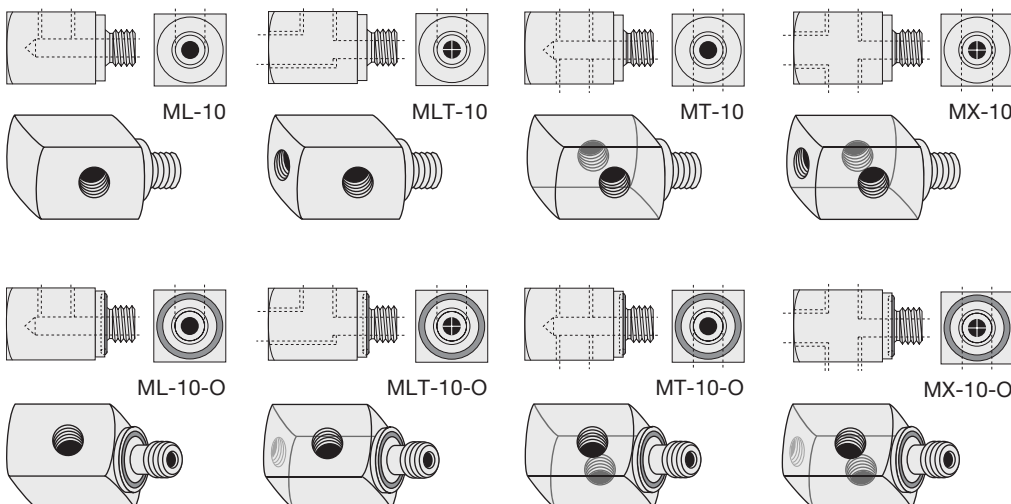
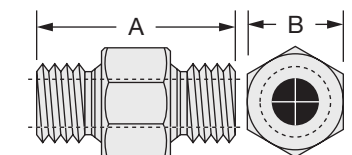
791

10-32 Male to Female Thread Fittings & Male to Male Hex Nipples

Type of Fitting	Part Numbers					Dimensions (Reference)	
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Ref.
Hex Nipple w/ G-10 Gasket	1010	1010-SS	1010-316SS	1010-AL	1010-NP	1/2	1/4
Hex Nipple w/ O-Ring	1010-O	1010-O-SS	1010-O-316SS	1010-O-AL	1010-O-NP	3/8	1/4
Square Elbow w/ G-10 Gasket	ML-10	ML-10-SS	ML-10-316SS	ML-10-AL	ML-10-NP	1/2	3/8
Square Elbow w/ O-Ring	ML-10-O	ML-10-O-SS	ML-10-O-316SS	ML-10-O-AL	ML-10-O-NP	1/2	3/8
Square LTee w/ G-10 Gasket	MLT-10	MLT-10-SS	MLT-10-316SS	MLT-10-AL	MLT-10-NP	1/2	3/8
Square LTee w/ O-Ring	MLT-10-O	MLT-10-O-SS	MLT-10-O-316SS	MLT-10-O-AL	MLT-10-O-NP	1/2	3/8
Square Tee w/ G-10 Gasket	MT-10	MT-10-SS	MT-10-316SS	MT-10-AL	MT-10-NP	1/2	3/8
Square Tee w/ O-Ring	MT-10-O	MT-10-O-SS	MT-10-O-316SS	MT-10-O-AL	MT-10-O-NP	1/2	3/8
Square Cross w/ G-10 Gasket	MX-10	MX-10-SS	MX-10-316SS	MX-10-AL	MX-10-NP	1/2	3/8
Square Cross w/ O-Ring	MX-10-O	MX-10-O-SS	MX-10-O-316SS	MX-10-O-AL	MX-10-O-NP	1/2	3/8

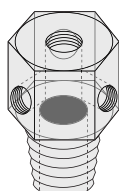
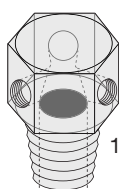
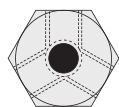
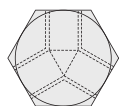
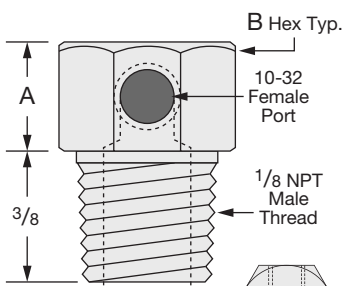


Male to Male Hex Nipple

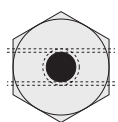


Short body options also available!
Consult factory for details!

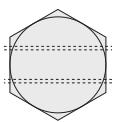
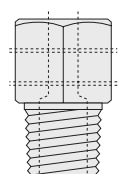
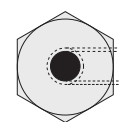
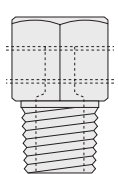
F Series 10-32 Male Threaded Fittings are supplied with G-10 gaskets or have Buna-N O-rings installed. Other material options are listed on page 65.

1/8 NPT Male Thread to 10-32 Female Fittings**792**1/8Y-10F
a.k.a. 18401/8Y-10Fx4
a.k.a. 1850

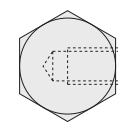
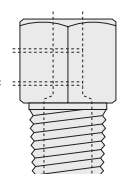
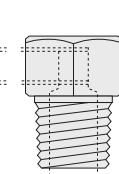
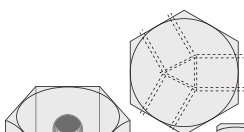
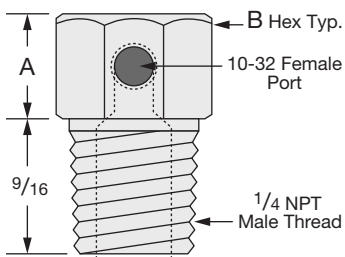
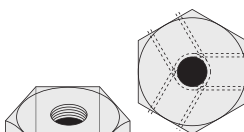
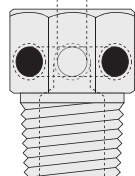
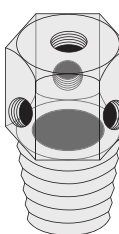
Female Port Location	Part Numbers					Dimensions (Reference)	
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.
Elbow a.k.a. 1820	1/8L-10F	1/8L-10F-SS	1/8L-10F-316SS	1/8L-10F-AL	1/8L-10F-NP	5/16	7/16
L-Tee	1/8LT-10F	1/8LT-10F-SS	1/8LT-10F-316SS	1/8LT-10F-AL	1/8LT-10F-NP	7/16	7/16
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



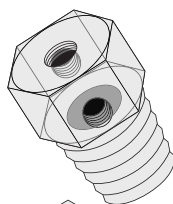
1/8T-10Fx3

1/8T-10F
a.k.a. 1830

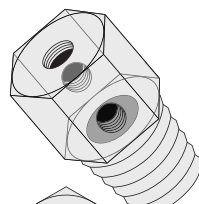
1/8L-10F

1/8L-10F
a.k.a. 1820**1/4 NPT Male Thread to 10-32 Female Fittings****793**1/4Y-10Fx3
a.k.a. 14401/4Y-10Fx4
a.k.a. 1450

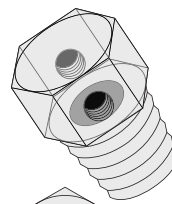
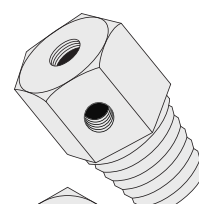
Female Port Location	Part Numbers					Dimensions (Reference)	
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.
Elbow a.k.a. 1420	1/4L-10F	1/4L-10F-SS	1/4L-10F-316SS	1/4L-10F-AL	1/4L-10F-NP	5/16	9/16
L-Tee	1/4LT-10F	1/4LT-10F-SS	1/4LT-10F-316SS	1/4LT-10F-AL	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



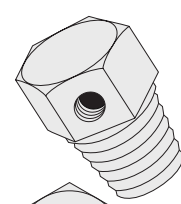
1/4T-10Fx3-LP



1/4T-10Fx3

1/4T-10F
a.k.a. 1430

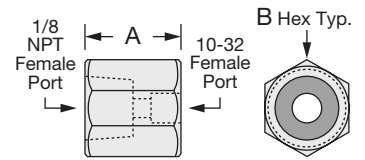
1/4LT-10F

1/4L-10F
a.k.a. 1420

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Female to Female Thread Reducing Fitting

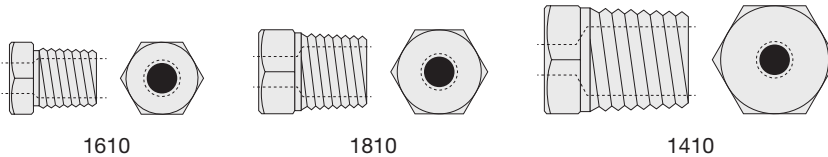
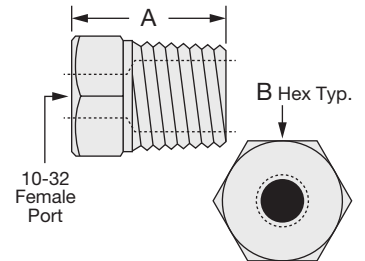
Thread Sizes		Part Numbers					Dimensions (Reference)	
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.
1/8	10-32	1860	1860-SS	1860-316SS	1860-AL	1860-NP	1/2	7/16



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Male 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.
1/16	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

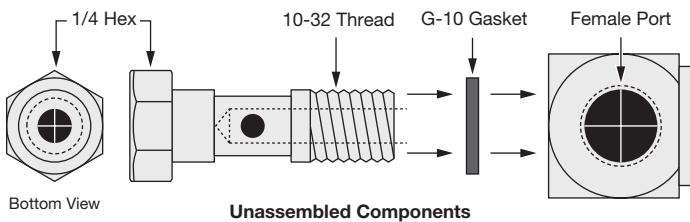
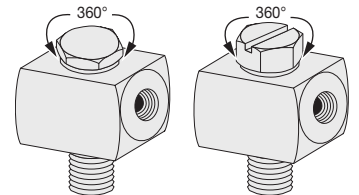
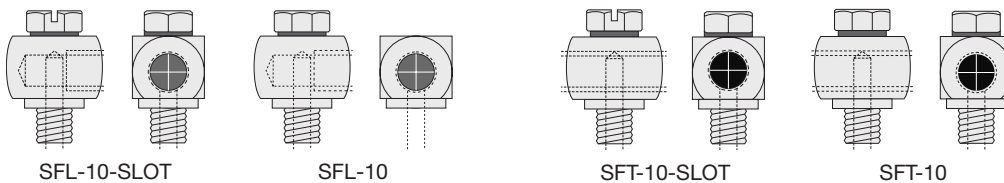
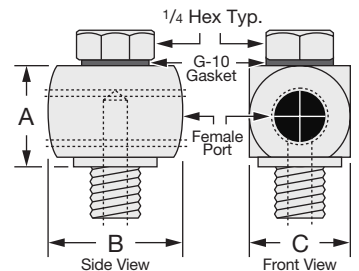


More Male to Female Thread Reducing Fittings (Reducing Bushings) listed on pages 386 - 391!

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10-32 Swivel Fittings with Fibre Gasket Supplied

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



Note:
Diagrams are enlarged for visual purposes.

**Replacement
G-10
Gaskets**

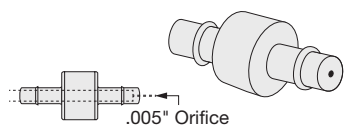
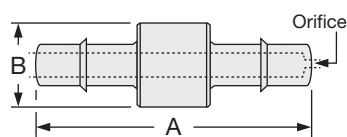


- 100 per package
- For 10-32 fittings
- 1/32" thick fiber

Consult factory for details!

Couplings with Orifice

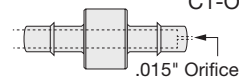
797



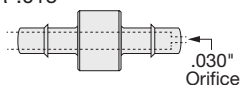
C1-OR-.005



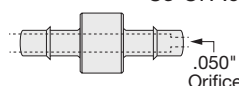
C1-OR-.040



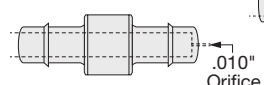
C3-OR-.015



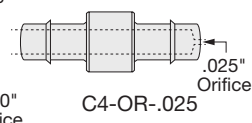
C3-OR-.030



C3-OR-.050



C4-OR-.010



C4-OR-.025

Tube ID	Orifice Part Numbers		Dimensions (Reference)	
	Fitting #	Sample Part Numbers	A Ref.	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-####	.638	9/32
1/8	C3	C3-OR-####	.849	5/16
5/32 / 4mm	C3 1/2	C3 1/2-OR-####	.849	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-####	15/16	3/8
1/4	C6	C6-OR-####	15/16	7/16
5/16 / 8mm	C7	C7-OR-####	1.65	5/8
3/8	C8	C8-OR-####	15/16	9/16

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 Orifice Couplings:



Other branch sizes available!
Consult factory for details!

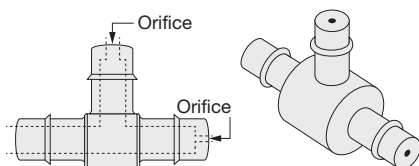
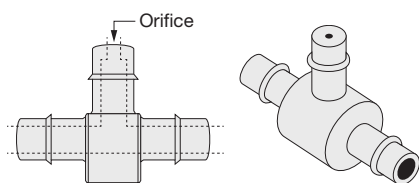
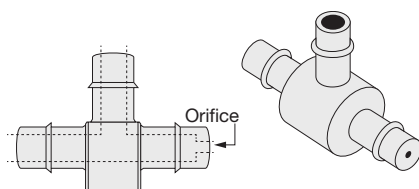
*Orifice diameters available in
increasing increments of .001".

Specialty smaller orifice through holes
available! Consult factory for details!

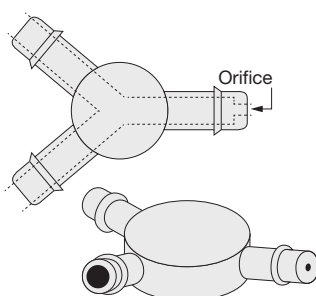
Unless otherwise specified, parts will be Brass. To order other materials, please add the following codes to the part number:
 -SS = Stainless Steel 303 -316SS = Stainless Steel 316 -AL = Aluminum/6061-T6 -NP = Electroless Nickel Plate

Other Available Tube to Tube Orifice Options

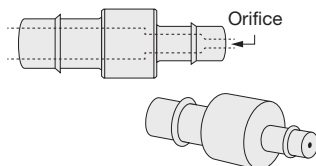
Tee Orifices



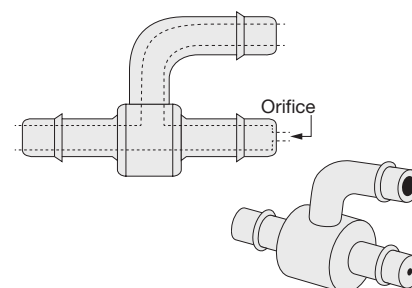
Y Orifices



Reducing Orifices



Parallel Run L-Tee Orifices



Other Reducing Options available!

Orifice can be put on any branch!
Orifice diameters are available in
increasing increments of .001"!

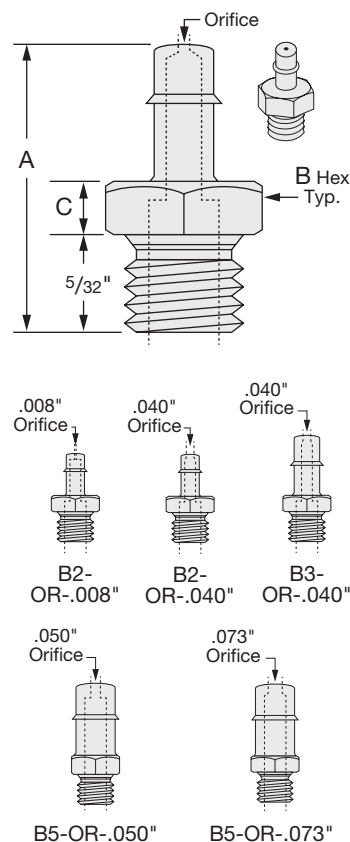
Consult factory for details!

798

10-32 Thread to Tube 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 Male Thread to Tube Orifices:



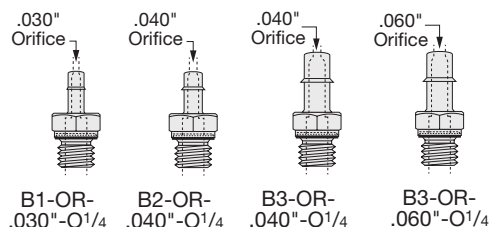
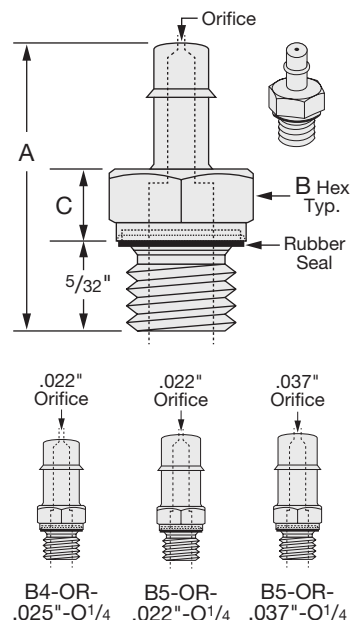
Material options listed on previous page!

799

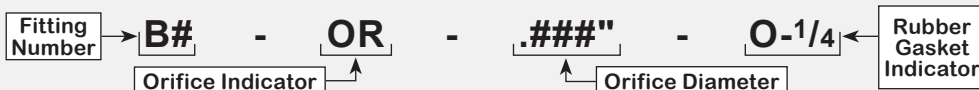
10-32 Thread to Tube with Orifices and Rubber Gasket Installed

Tube ID	Orifice Part Numbers		Dimensions (Reference)		
	Fitting #	Sample Part Numbers	A Ref.	B Typ.	C Ref.
1/16	B1	B1-OR-####-O-1/4	1/2	1/4	1/8
5/64 / 2mm	B2	B2-OR-####-O-1/4	1/2	1/4	1/8
3/32	B2 1/2	B2 1/2-OR-####-O-1/4	1/2	1/4	1/8
1/8	B3	B3-OR-####-O-1/4	19/32	1/4	1/8
5/32 / 4mm	B3 1/2	B3 1/2-OR-####-O-1/4	19/32	1/4	1/8
.170	B4	B4-OR-####-O-1/4	5/8	1/4	1/8
3/16	B5	B5-OR-####-O-1/4	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"



Part Numbers for 10-32 Thread to Tube Orifices with Rubber Gaskets:

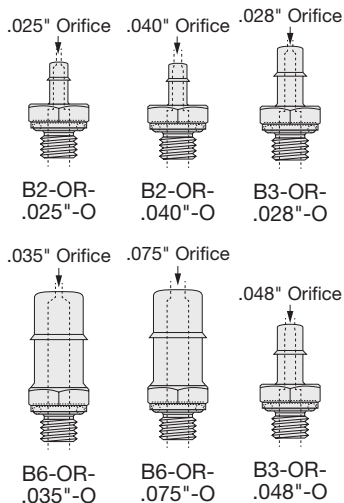
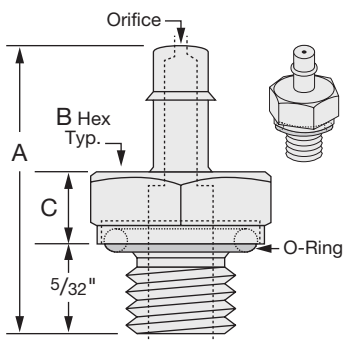


See previous page for material options!

*Orifice diameters available in increasing increments of .001".

10-32 Thread to Tube with Orifices and O-Ring Seal Installed

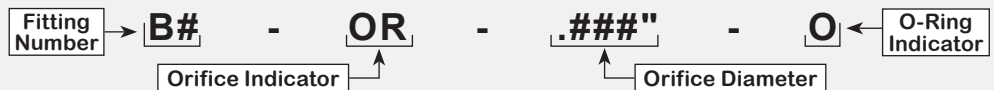
800



Tube ID	Orifice Part Numbers		Dimensions (Reference)		
	Fitting #	Sample Part Numbers	A Ref.	B Typ.	C Ref.
1/16	B1	B1-OR-####"-O	1/2	1/4	1/8
5/64 / 2mm	B2	B2-OR-####"-O	1/2	1/4	1/8
3/32	B2 1/2	B2 1/2-OR-####"-O	1/2	1/4	1/8
1/8	B3	B3-OR-####"-O	19/32	1/4	1/8
5/32 / 4mm	B3 1/2	B3 1/2-OR-####"-O	19/32	1/4	1/8
.170	B4	B4-OR-####"-O	5/8	1/4	1/8
3/16	B5	B5-OR-####"-O	2 1/32	1/4	1/8
7/32	B5 1/2	B5 1/2-OR-####"-O	2 1/32	5/16	1/8
6mm	B5 3/4	B5 3/4-OR-####"-O	25/32	5/16	1/8
1/4	B6	B6-OR-####"-O	25/32	5/16	1/8
5/16 / 8mm	B7	B7-OR-####"-O	1.217	3/8	1 1/32
3/8	B8	B8-OR-####"-O	1 1/2	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 Orifices with O-Rings:



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

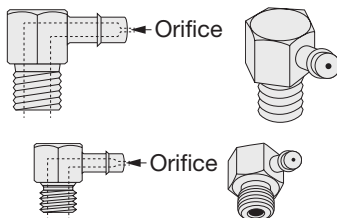
-316SS = Stainless Steel 316

-AL = Aluminum/6061-T6

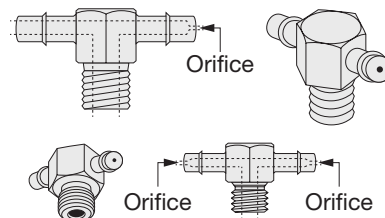
-NP = Electroless Nickel Plate

Available 10-32 & 1/4-28 Male Thread to Tube with Orifice Options

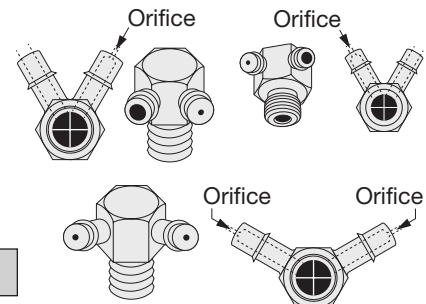
Elbow Orifices



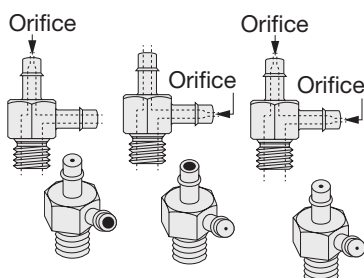
Tee Orifices



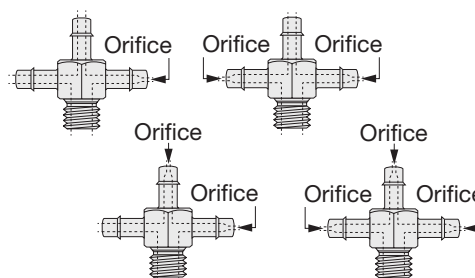
V-Tee Orifices



L-Tee Orifices



Tee x 3 Orifices


O-Ring Options Available!
Consult Factory for Details!

Reducing options also available!

Consult factory for details!

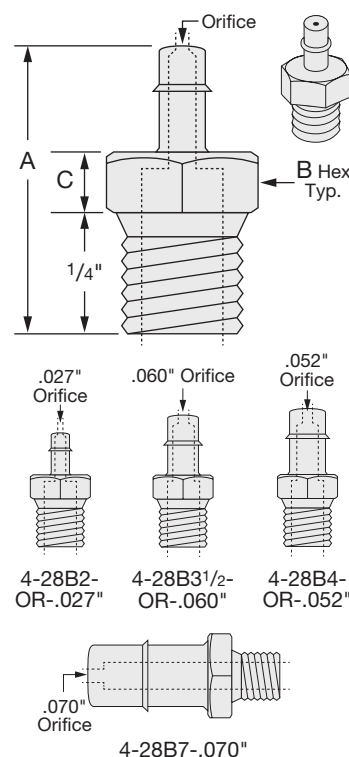
Note: Images are for visual representation only;
not intended for dimensional measurements.

801

1/4-28 Straight Male Thread 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	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 Threaded Orifices:**

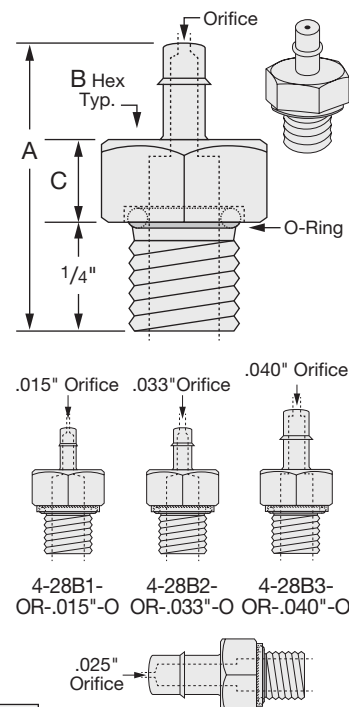
See previous page for material options.

802

1/4-28 Straight Male Thread with Orifices and O-Ring Seal Installed

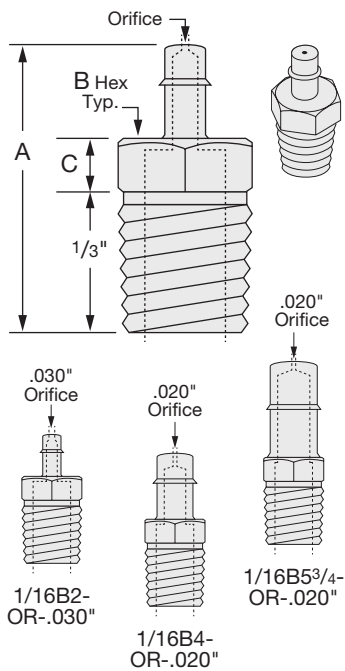
Tube ID	Orifice Part Numbers		Dimensions (Reference)		
	Fitting #	Sample Part Numbers	A Ref.	B Typ.	C Ref.
1/16	B1	4-28B1-OR-####-O	21/32	3/8	3/16
5/64 / 2mm	B2	4-28B2-OR-####-O	21/32	3/8	3/16
3/32	B2 1/2	4-28B2 1/2-OR-####-O	21/32	3/8	3/16
1/8	B3	4-28B3-OR-####-O	3/4	3/8	3/16
5/32 / 4mm	B3 1/2	4-28B3 1/2-OR-####-O	3/4	3/8	3/16
.170	B4	4-28B4-OR-####-O	3/4	3/8	3/16
3/16	B5	4-28B5-OR-####-O	7/8	3/8	3/16
7/32	B5 1/2	4-28B5 1/2-OR-####-O	7/8	3/8	3/16
6mm	B5 3/4	4-28B5 3/4-OR-####-O	15/16	3/8	3/16
1/4	B6	4-28B6-OR-####-O	15/16	3/8	3/16
5/16 / 8mm	B7	4-28B7-OR-####-O	11/16	5/8	3/16
3/8	B8	4-28B8-OR-####-O	29/32	5/8	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 1/4-28 Threaded Orifices with O-Ring:**

4-28B5-OR-.025"-O

See previous page for material options.

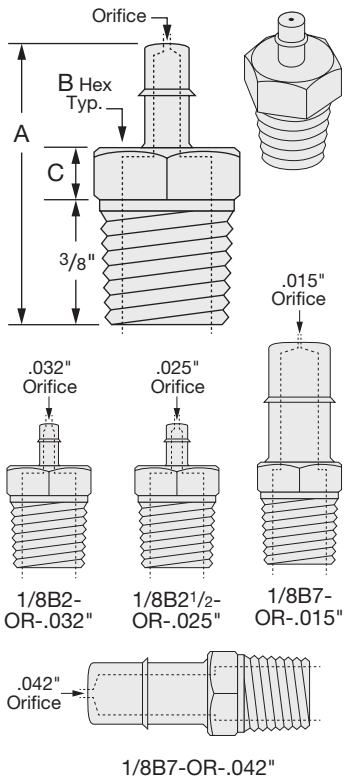
1/16 NPT Male Thread to Tube with Orifices**803**

Tube ID	Orifice Part Numbers		Dimensions (Reference)		
	Fitting #	Sample Part Numbers	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 Factory		
3/8	B8	1/16B8-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"

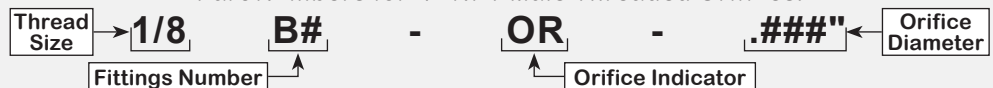
*Orifice diameters available in increasing increments of .001".

Material options listed on next page!

Part Numbers for 1/16 Threaded Orifice:**1/8 NPT Male Thread to Tube with Orifices****804**

Tube ID	Orifice Part Numbers		Dimensions (Reference)		
	Fitting #	Sample Part Numbers	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"

Part Numbers for 1/8 NPT Male Threaded Orifices:

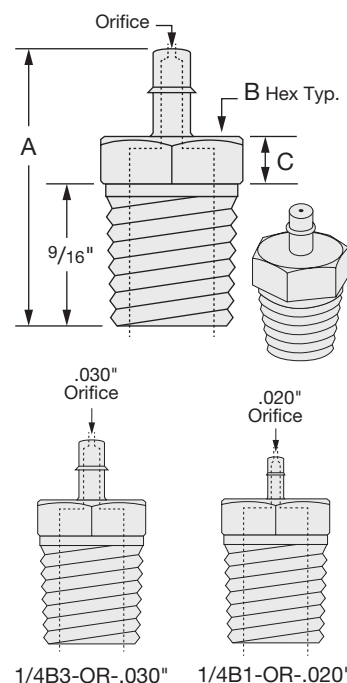
Material options listed on next page!

805

1/4 NPT Male Thread to Tube with Orifices

Tube ID	Orifice Part Numbers		Dimensions (Reference)		
	Fitting #	Sample Part Numbers	A Ref.	B Typ.	C Ref.
1/16	B1	1/4B1-OR-####	3/32	9/16	3/16
5/64 / 2mm	B2	1/4B2-OR-####	3/32	9/16	3/16
3/32	B2 1/2	1/4B2 1/2-OR-####	3/32	9/16	3/16
1/8	B3	1/4B3-OR-####	1/16	9/16	3/16
5/32 / 4mm	B3 1/2	1/4B3 1/2-OR-####	1/16	9/16	3/16
.170	B4	1/4B4-OR-####	13/32	9/16	3/16
3/16	B5	1/4B5-OR-####	1/8	9/16	3/16
7/32	B5 1/2	1/4B5 1/2-OR-####	1/8	9/16	3/16
6mm	B5 3/4	1/4B5 3/4-OR-####	1/4	9/16	3/16
1/4	B6	1/4B6-OR-####	1/4	9/16	3/16
5/16 / 8mm	B7	1/4B7-OR-####	13/8	9/16	3/16
3/8	B8	1/4B8-OR-####	19/32	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"



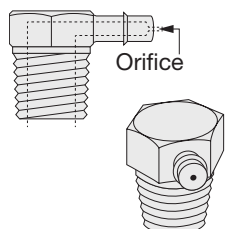
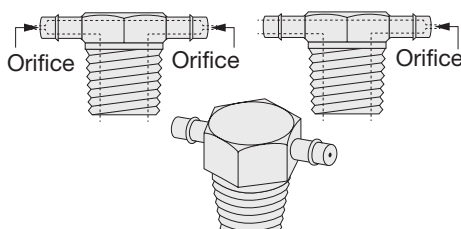
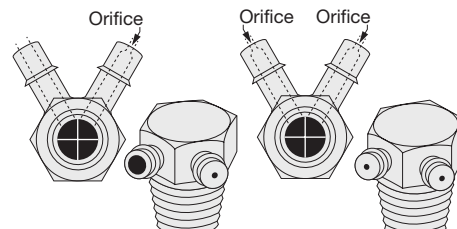
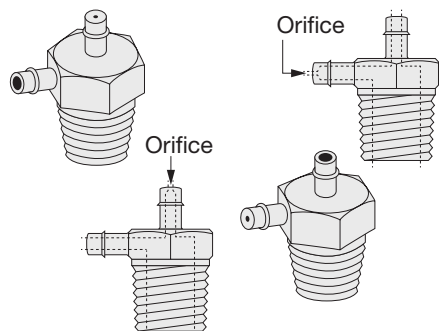
Part Numbers for 1/4 NPT Male Threaded Orifices:

Thread Size → **1/4** **B#** - **OR** - **####** ← Orifice Diameter

Fittings Number Orifice Indicator

***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

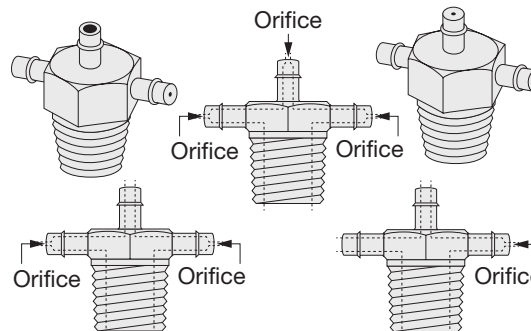
Available NPT Male Thread to Tube with Orifice Options**Elbow Orifices****Tee Orifices****V-Tee Orifices****L-Tee Orifices**

Reducing Options are also Available!

NPT Thread Sizes Available: 1/16, 1/8, 1/4, 3/8, 1/2, 3/4, 1"

Metric Options also Available!

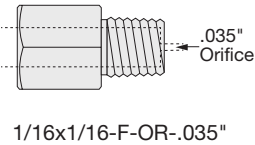
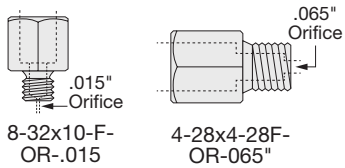
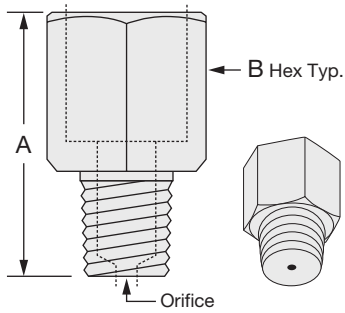
Lead Times & Minimum Quantities Apply! Consult Factory for Details!

Tee x 3 Orifices

G2

Male to Female Thread Adapter with Orifices

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Thread Size	Orifice Part Numbers	Dimensions (Reference)	
	Sample Part Numbers	A Ref.	B Typ.
8-32	8-32X8-32-F-OR-####	Consult Factory	Consult Factory
10-32	10-32X10-32-F-OR-####	Consult Factory	Consult Factory
1/4-28	4-28X4-28-F-OR-####	Consult Factory	Consult Factory
1/16 NPT	1/16X1/16-F-OR-####	Consult Factory	Consult Factory
1/8 NPT	1/8X1/8-F-OR-####	Consult Factory	Consult Factory
1/4 NPT	1/4X1/4-F-OR-####	Consult Factory	Consult Factory
3/8 NPT	3/8X3/8-F-OR-####	Consult Factory	Consult Factory
1/2 NPT	1/2X1/2-F-OR-####	Consult Factory	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"

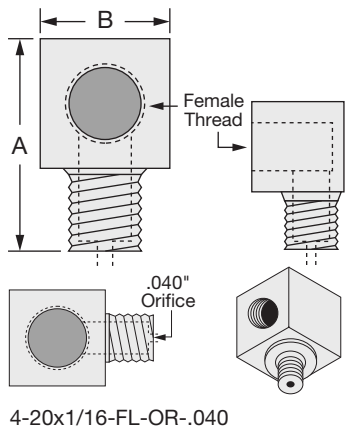
Other adapter orifices available, including metrics & reducers! Also available in other sizes! Consult factory for details and dimensions!

Material options listed below!

Male Thread	→	###	X	###-F	-	OR	-	####	←	Orifice Diameter
				Female Thread				Orifice Indicator		

Male to Female Thread 90° L-Adapter with Orifices

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*Orifice diameters available in increasing increments of .001".

Thread Size	Orifice Part Numbers	Dimensions (Reference)	
	Sample Part Numbers	A Ref.	B Typ.
8-32	8-32X8-32-FL-OR-####	Consult Factory	Consult Factory
10-32	10-32X10-32-FL-OR-####	Consult Factory	Consult Factory
1/4-28	4-28X4-28-FL-OR-####	Consult Factory	Consult Factory
1/16	1/16X1/16-FL-OR-####	Consult Factory	Consult Factory
1/8	1/8X1/8-FL-OR-####	Consult Factory	Consult Factory
1/4	1/4X1/4-FL-OR-####	Consult Factory	Consult Factory
3/8	3/8X3/8-FL-OR-####	Consult Factory	Consult Factory
1/2	1/2X1/2-FL-OR-####	Consult Factory	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"

†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

Part Numbers for Male to Female Thread 90° Elbow Adapter Orifices:

Male Thread	→	###	X	###-FL	-	OR	-	####	←	Orifice Diameter
				Female Elbow Thread				Orifice Indicator		

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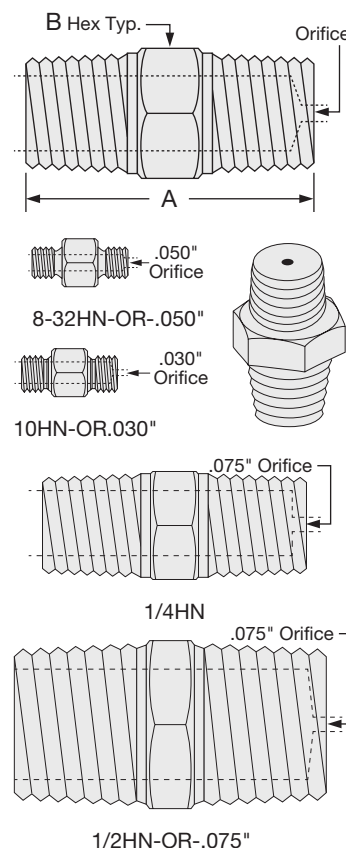
Standard Hex Nipples with Orifices

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-####		
1/4-28	4-20HN-OR-####		
1/16 NPT	1/16HN-OR-####		
1/8 NPT	1/8HN-OR-####		
1/4 NPT	1/4HN-OR-####		
3/8 NPT	3/8HN-OR-####		
1/2 NPT	1/2HN-OR-####		

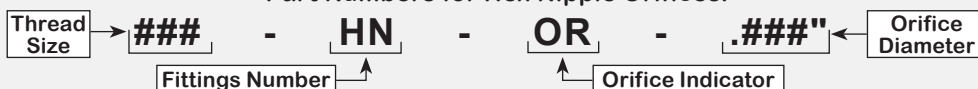
*Orifice diameters available in increasing increments of .001".

Metrics options available! 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 Hex Nipple Orifices:



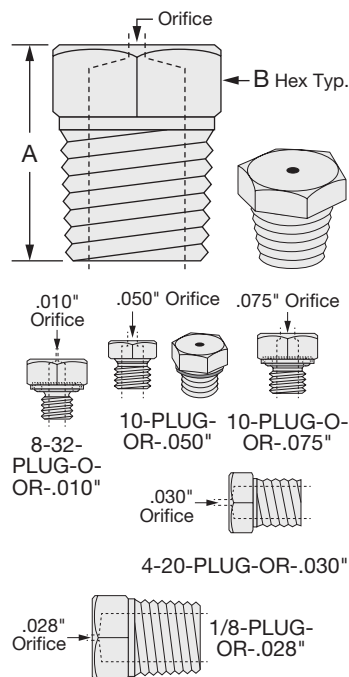
809

Plugs with Orifices

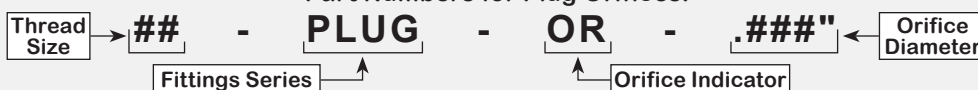
Thread & Seal Type	Orifice Part Numbers	Dimensions (Reference)	
	Sample Part Numbers	A Ref.	B Typ.
8-32 Fibre Gasket	8-32-PLUG-OR-####	1/4	1/4
10-32 Fibre Gasket	10-PLUG-OR####	1/4	1/4
10-32 COR	10-O-PLUG-OR-####	9/32	5/16
10-32 CRG	10-O-1/4-PLUG-OR-####	9/32	1/4
1/4-28 Fibre Gasket	4-28-PLUG-OR-####	13/32	5/16
1/4-28 COR	4-28-PLUG-O-OR-####	9/32	3/8
1/16 NPT	1/16-PLUG-OR-####	17/32	5/16
1/8 NPT	1/8-PLUG-OR-####	9/16	7/16
1/4 NPT	1/4-PLUG-OR-####	1/2	9/16
3/8 NPT	3/8-PLUG-OR-####	25/32	11/16
1/2 NPT	1/2-PLUG-OR-####	7/8	3/4

COR = Captive O-Ring Seal
CRG = Captive Rubber Gasket

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 Plug Orifices:

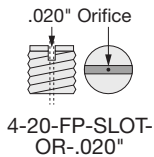
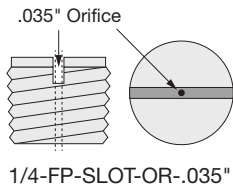
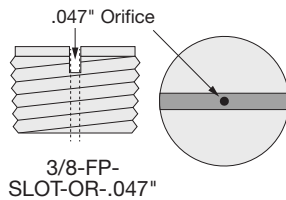
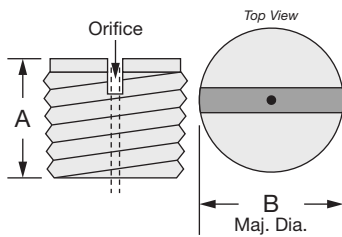


Consult factory for part numbers involving O-Rings & Rubber Gaskets!

Material options listed on previous page!

Slotted Flush Plugs with Orifices

810



Thread Size	Orifice Part Numbers	Dimensions (Reference)	
	Sample Part Numbers	A Ref.	B Typ.
1/4-20	4-20-FP-SLOT-OR-####	Consult Factory	.250
1/4-28	4-28-FP-SLOT-OR-####		.250
1/16 NPT	1/16-FP-SLOT-OR-####		.312
1/8 NPT	1/8-FP-SLOT-OR-####		.300
1/4 NPT	1/4-FP-SLOT-OR-####		.450
3/8 NPT	3/8-FP-SLOT-OR-####		.450
1/2 NPT	1/2-FP-SLOT-OR-####	.600	.840
3/4 NPT	3/4-FP-SLOT-OR-####	.620	1.050

*Orifice diameters are available in increasing increments of .001".

Material options listed on next page!

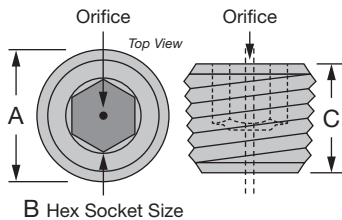
Orifice Diameters*			
Orifice Diameter	Orifice Diameter	Orifice Diameter	Orifice Diameter
.005"	.020"	.035"	.050"
.006"	.021"	.036"	.051"
.007"	.022"	.037"	.052"
.008"	.023"	.038"	.053"
.009"	.024"	.039"	.054"
.010"	.025"	.040"	.055"
.011"	.026"	.041"	.056"
.012"	.027"	.042"	.057"
.013"	.028"	.043"	.058"
.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 Plug Orifices:

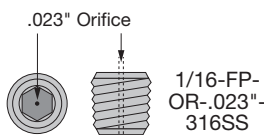
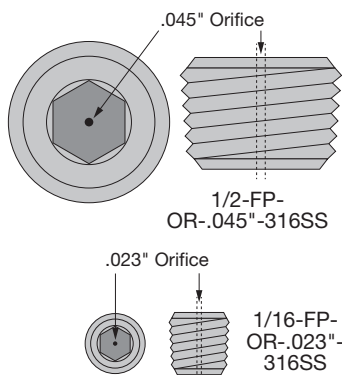
Thread Size	###	-	FP	-	SLOT	-	OR	-	###	Orifice Diameter
			Fitting Series		Slot Indicator		Orifice Indicator			

Stainless Steel Dry Seal Hex Socket Pressure Plugs/Flush Plugs with Orifices

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See page 332 for dimensions!



NPT Thread Size	Orifice Part Numbers
	Sample Part Numbers
1/16	1/16-FP-316SS-OR-####
1/8	1/8-FP-316SS-OR-####
1/4	1/4-FP-316SS-OR-####
3/8	3/8-FP-316SS-OR-####
1/2	1/2-FP-316SS-OR-####
3/4	3/4-FP-316SS-OR-####
1	1-FP-316SS-OR-####
1 1/4	1 1/4-FP-316SS-OR-####
1 1/2	1 1/2-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 Orifices:

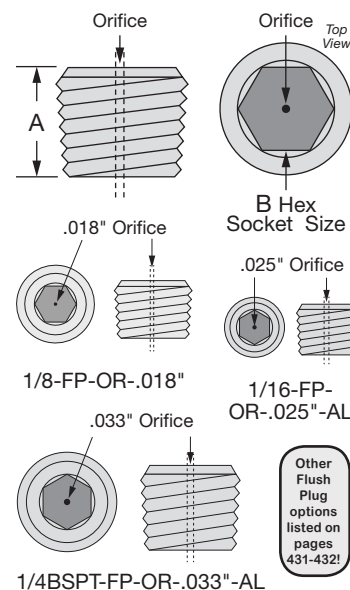
Thread Size	###	-	FP	-	316SS	-	OR	-	###	Material Indicator
			Fitting Series		Orifice Diameter		Orifice Indicator			

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Counter-Sunk Plugs (Flush Plugs) with Orifices

Thread Size	Orifice Part Numbers	Dimensions (Reference)	
	Sample Part Numbers	A Ref.	B Typ.
1/16 NPT	1/16-FP-OR-.####	Consult Factory 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-.####		3/16
1/4 BSPT	1/4BSPT-FP-OR-.####		1/4
3/8 BSPT	3/8BSPT-FP-OR-.####	.290	5/16
1/2 BSPT	1/2BSPT-FP-OR-.####	.460	3/8
		.460	
		.610	

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"



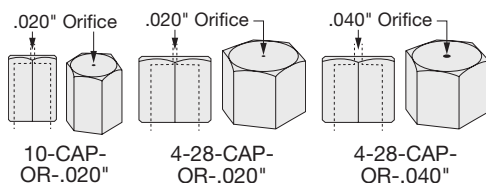
*Orifice diameters are available in increasing increments of .001".

Material Options Vary! Lead Times & Minimum Quantities Apply! Consult Factory for Details, Part Numbers, and Dimensions!

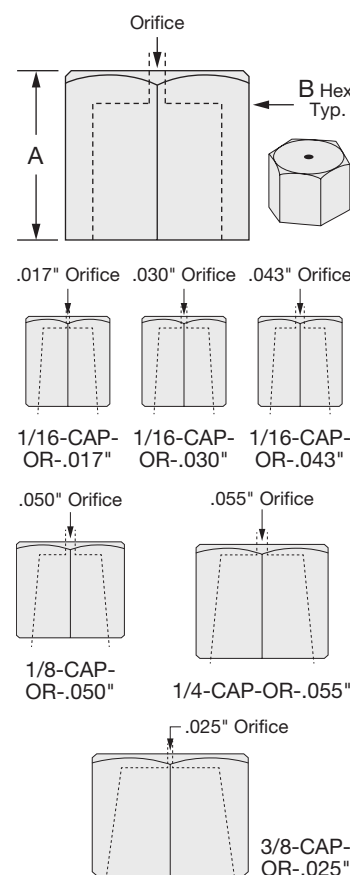
813

Female Thread Caps with Orifices

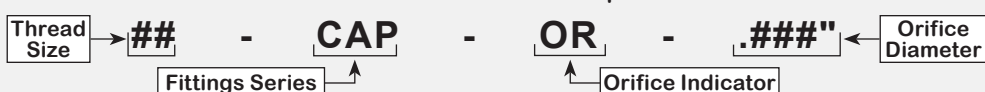
Thread Size	Orifice Part Numbers	Dimensions (Reference)	
	Sample Part Numbers	A Ref.	B Typ.
10-32	10-CAP-OR-.####	1 1/32	1/4
10-32 Short	10-CAP-SH-OR-.####	9/32	1/4
1/4-28	4-28-CAP-OR-.####	1 1/32	3/8
1/16 NPT	1/16-CAP-OR-.####	15/32	7/16
1/8 NPT	1/8-CAP-OR-.####	1/2	9/16
1/4 NPT	1/4-CAP-OR-.####	19/32	1 1/16
3/8 NPT	3/8-CAP-OR-.####	.730	1 3/16
1/2 NPT	1/2-CAP-OR-.####	1 1/16	1 5/16



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"



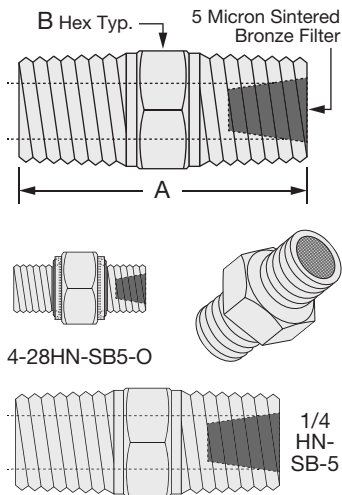
Part Numbers for Female Cap Orifices:



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

Hex Nipples with 5 Micron Sintered Bronze Filter Element

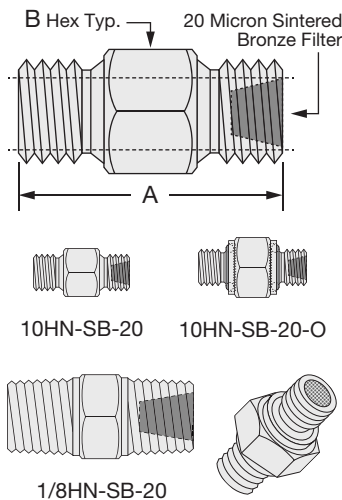
814



Thread Size and 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 COR	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 CGR	10HN-SB-5-O-1/4	10HN-SB-5-O-1/4-SS	10HN-SB-5-O-1/4-316SS	10HN-SB-5-O-1/4-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 COR	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	5/16
1/16	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	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	1/4HN-SB-5	1/4HN-SB-5-SS	1/4HN-SB-5-316SS	1/4HN-SB-5-AL	1/4HN-SB-5-NP	13/8	9/16

Hex Nipples with 20 Micron Sintered Bronze Filter Element

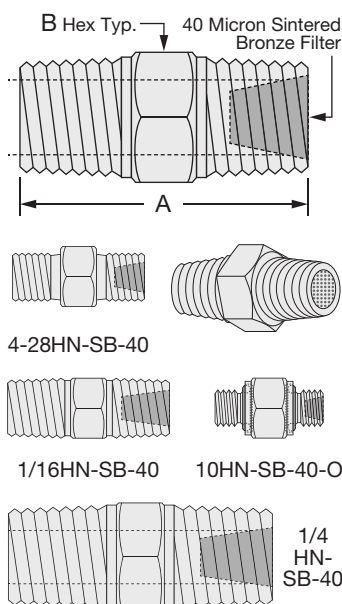
815



Thread Size and 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 COR	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 CGR	10HN-SB-20-O-1/4	10HN-SB-20-O-1/4-SS	10HN-SB-20-O-1/4-316SS	10HN-SB-20-O-1/4-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 COR	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	5/16
1/16	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	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	1/4HN-SB-20	1/4HN-SB-20-SS	1/4HN-SB-20-316SS	1/4HN-SB-20-AL	1/4HN-SB-20-NP	13/8	9/16

Hex Nipples with 40 Micron Sintered Bronze Filter Element

816



Thread Size and 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 COR	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 CGR	10HN-SB-40-O-1/4	10HN-SB-40-O-1/4-SS	10HN-SB-40-O-1/4-316SS	10HN-SB-40-O-1/4-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 COR	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	5/16
1/16	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	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	1/4HN-SB-40	1/4HN-SB-40-SS	1/4HN-SB-40-316SS	1/4HN-SB-40-AL	1/4HN-SB-40-NP	13/8	9/16

COR = Captive O-Ring Seal • CRG = Captive Rubber Gasket

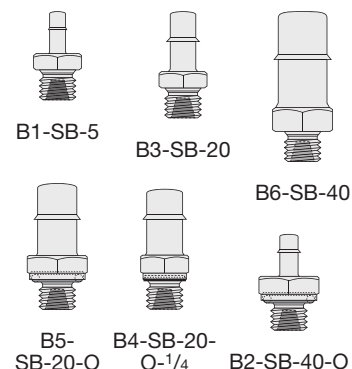
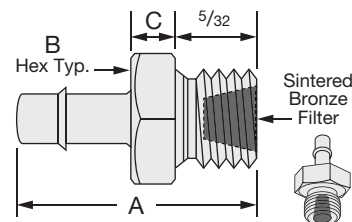
O-Ring materials listed on page 65!

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:



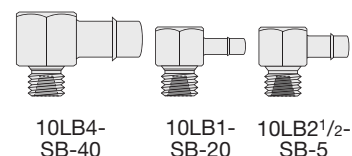
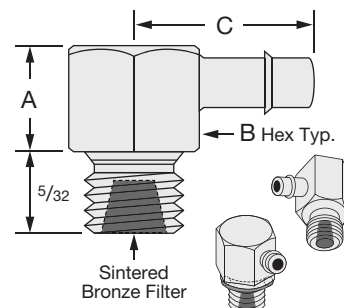
818

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	1 1/16	1/4	13/64
5/64 / 2mm	2	1 1/16	1/4	13/64
3/32	2 1/2	1 1/16	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 to Tube Fittings with Sintered Bronze Filters:



Sintered Bronze Filter sizes:

5 Micron • 20 Micron • 40 Micron

10-32 Threaded Fittings are supplied with Fibre Gaskets.

O-Ring and Rubber Gasket options also available.

Material options listed on page 65!

Unless otherwise specified, parts will be Brass.

To order other materials, please add the following codes to the part number:

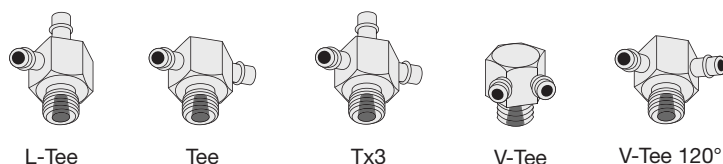
-SS = Stainless Steel 303

-316SS = Stainless Steel 316

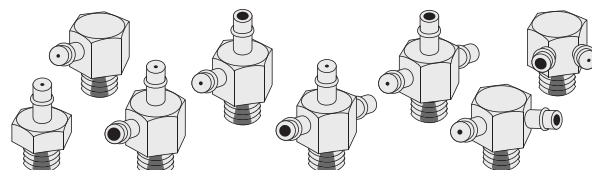
-AL = Aluminum

-NP = Electroless Nickel Plate

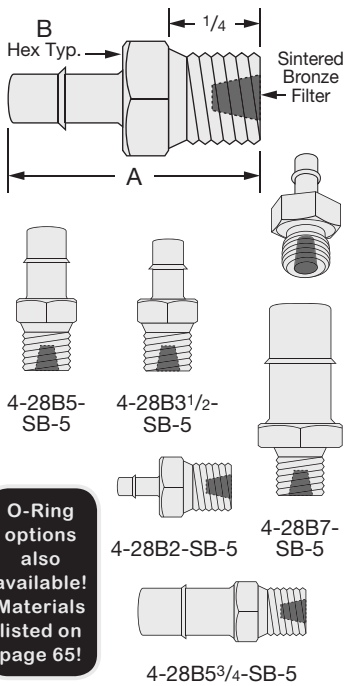
Other 10-32 threaded fittings with Sintered Bronze Filters available! Consult factory for details!



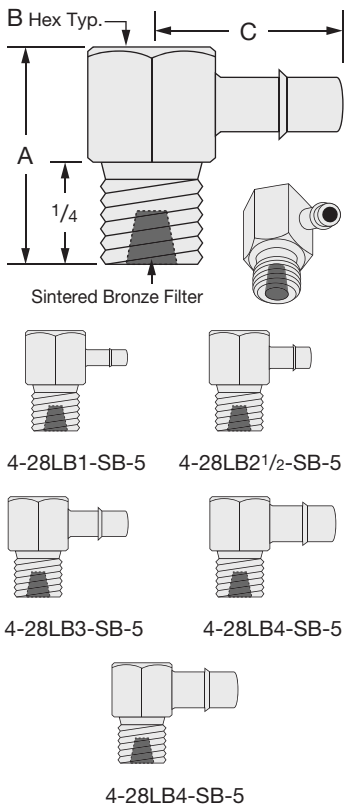
Orifice options with Sintered Bronze Filters also available! Consult factory for details!



H2

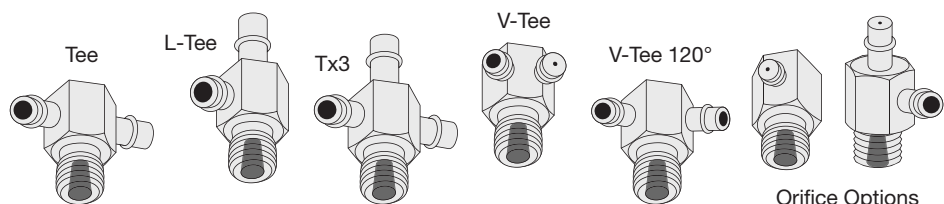
1/4-28 Thread to Tube with 5 Micron Sintered Bronze Filter Element**819**

Tube ID	Part Numbers					Dimensions (Reference)	
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.
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
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
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	4-28B3-SB-5	4-28B3-SB-5-SS	4-28B3-SB-5-316SS	4-28B3-SB-5-AL	4-28B3-SB-5-NP	1 1/16	5/16
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	1 1/16	5/16
.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	1 1/16	5/16
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
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
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
1/4	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
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
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

1/4-28 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	9/32	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	9/32	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	9/32	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	9/32	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	9/32	5/16	15/32
.170	4-28LB4-SB-5	4-28LB4-SB-5-SS	4-28LB4-SB-5-316SS	4-28LB4-SB-5-NP	9/32	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	9/32	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	9/32	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	3/8	3/8	1 1/16
1/4	4-28LB6-SB-5	4-28LB6-SB-5-SS	4-28LB6-SB-5-316SS	4-28LB6-SB-5-NP	3/8	3/8	1 1/16
5/16 / 8mm	4-28LB7-SB-5	4-28LB7-SB-5-SS	4-28LB7-SB-5-316SS	4-28LB7-SB-5-NP	3/8	7/16	13/16
3/8	4-28LB8-SB-5	4-28LB8-SB-5-SS	4-28LB8-SB-5-316SS	4-28LB8-SB-5-NP	3/8	7/16	29/32

Other 1/4-28 thread fittings available with Sintered Bronze Filters! Consult factory for details!

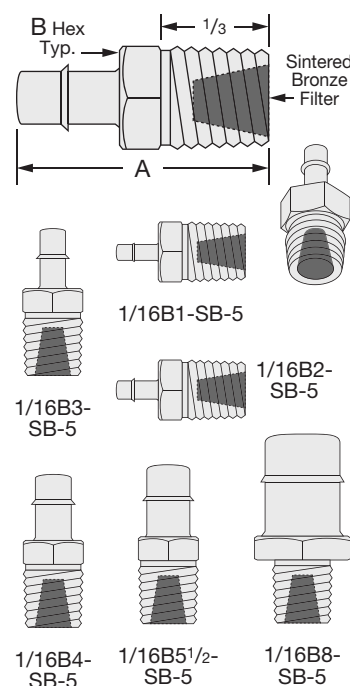


**Also available:
20 Micron &
40 Micron Filters**
Consult factory for details!

821

1/16 NPT Thread to Tube with 5 Micron Sintered Bronze Filter Element

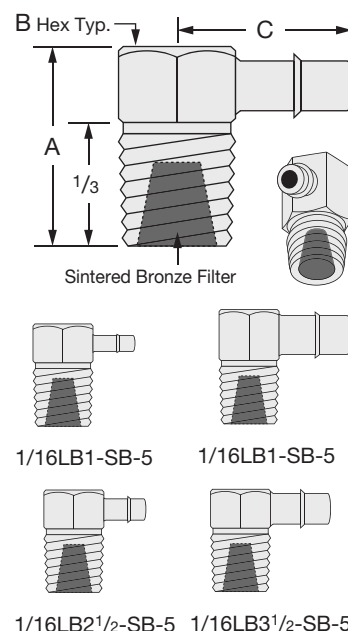
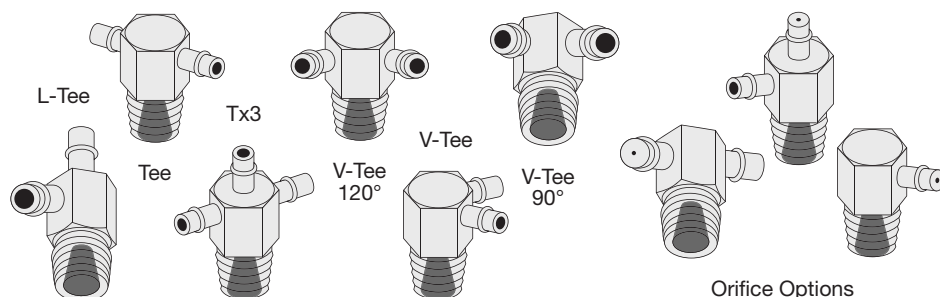
Tube ID	Part Numbers					Dimensions (Reference)	
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.
1/16	1/16B1-SB-5	1/16B1-SB-5-SS	1/16B1-SB-5-316SS	1/16B1-SB-5-AL	1/16B1-SB-5-NP	43/64	5/16
5/64 / 2mm	1/16B2-SB-5	1/16B2-SB-5-SS	1/16B2-SB-5-316SS	1/16B2-SB-5-AL	1/16B2-SB-5-NP	43/64	5/16
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	1/16B3-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
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
.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
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
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
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
1/4	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
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
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



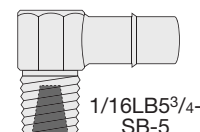
822

1/16 NPT Thread Elbows with 5 Micron Sintered Bronze Filter Element

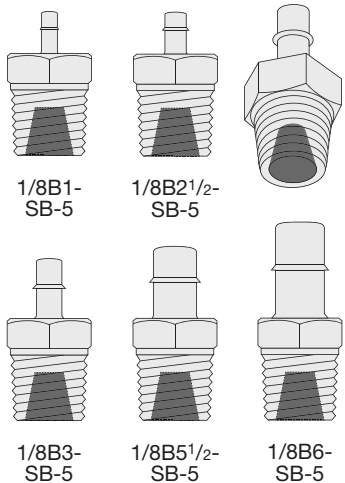
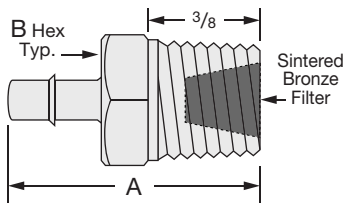
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	1/16LB1-SB-5	1/16LB1-SB-5-SS	1/16LB1-SB-5-316SS	1/16LB1-SB-5-NP	17/32	5/16	3/8
5/64 / 2mm	1/16LB2-SB-5	1/16LB2-SB-5-SS	1/16LB2-SB-5-316SS	1/16LB2-SB-5-NP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

**Other 1/16 NPT thread fittings available with Sintered Bronze Filters! Consult factory for details!**

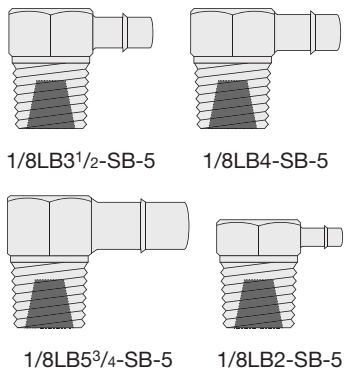
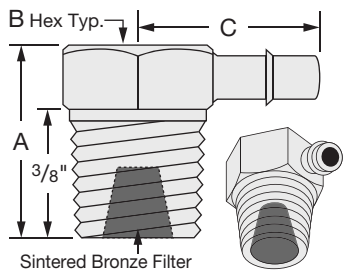
Note:
Dimensions may
vary at time of
manufacturing.

**H2**

**Also available:
20 Micron &
40 Micron Filters
Consult factory for details!**

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.
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
5/64 / 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
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
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 / 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
.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
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	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
6mm	1/8B53/4-SB-5	1/8B53/4-SB-5-SS	1/8B53/4-SB-5-316SS	1/8B53/4-SB-5-AL	1/8B53/4-SB-5-NP	1 1/32	7/16
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
5/16 / 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
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
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	1/2

1/8 NPT Thread Elbows with 5 Micron Sintered Bronze Filter Element**824**

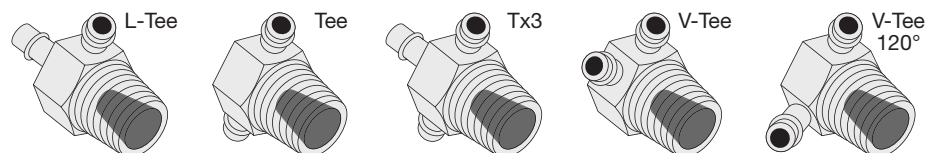
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	1/8LB1-SB-5	1/8LB1-SB-5-SS	1/8LB1-SB-5-316SS	1/8LB1-SB-5-NP	9/16	7/16	7/16
5/64 / 2mm	1/8LB2-SB-5	1/8LB2-SB-5-SS	1/8LB2-SB-5-316SS	1/8LB2-SB-5-NP	9/16	7/16	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	1/8LB53/4-SB-5	1/8LB53/4-SB-5-SS	1/8LB53/4-SB-5-316SS	1/8LB53/4-SB-5-NP	1 1/16	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	1 1/16	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	1 5/64	5/8	15/16
3/8	1/8LB8-SB-5	1/8LB8-SB-5-SS	1/8LB8-SB-5-316SS	1/8LB8-SB-5-NP	1 5/64	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 5/64	5/8	1 1/16

H2

**Also available:
20 Micron &
40 Micron Filters**
Consult factory for details!

Orifice options also available!
Consult factory for details!

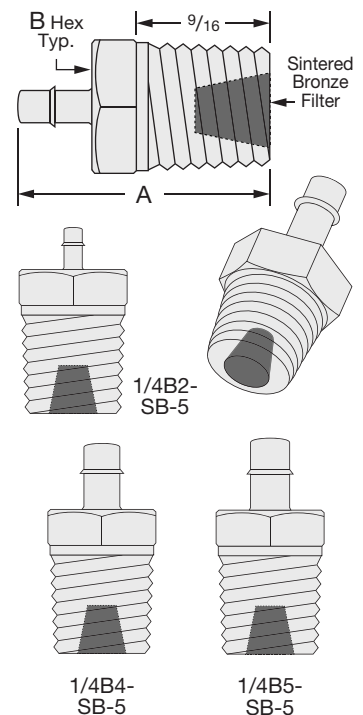
Other 1/8 NPT thread fittings available with Sintered Bronze Filters! Consult factory for details!



825

1/4 NPT Thread to Tube with 5 Micron Sintered Bronze Filter Element

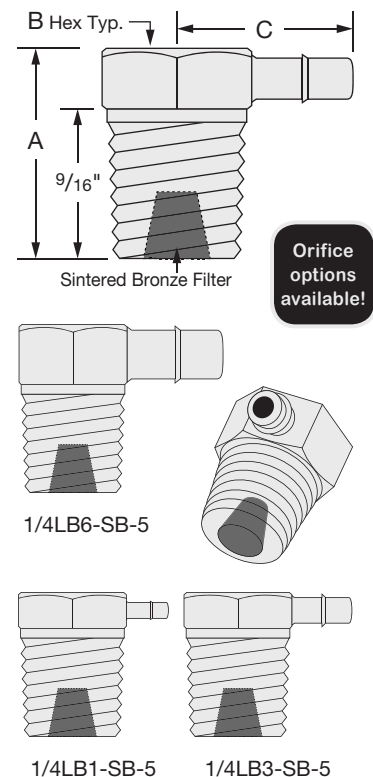
Tube ID	Part Numbers					Dimensions (Reference)	
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.
1/16	1/4B1-SB-5	1/4B1-SB-5-SS	1/4B1-SB-5-316SS	1/4B1-SB-5-AL	1/4B1-SB-5-NP	3 1/32	9/16
5/64 / 2mm	1/4B2-SB-5	1/4B2-SB-5-SS	1/4B2-SB-5-316SS	1/4B2-SB-5-AL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



826

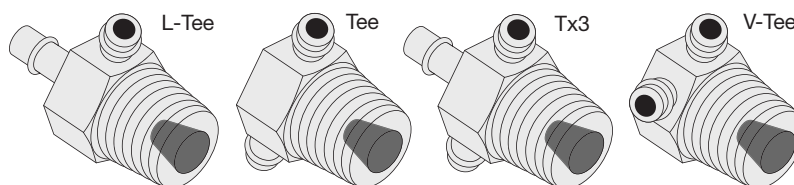
1/4 NPT Thread Elbows with 5 Micron Sintered Bronze Filter Element

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	1 17/64	5/8	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



H2

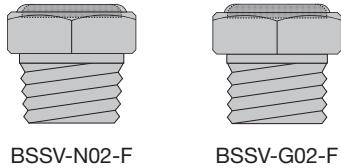
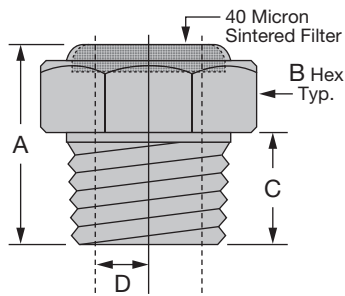
Other 1/4 NPT thread fittings available with Sintered Bronze Filters! Consult factory for details!



Also available:
20 Micron &
40 Micron Filters
Consult factory for details!

Flat Head Mufflers with 40 Micron Sintered Filter/Breather Vent

827



Male Thread	Part Numbers	Dimensions (Reference)			
	Stainless Steel 316L	A Ref.	B Typ.	C Ref.	D Ref.
1/8 NPT	BSSV-N01-F	.492	12mm	.276	.236
1/4 NPT	BSSV-N02-F	.622	17mm	.362	.354
3/8 NPT	BSSV-N03-F	.669	19mm	.402	.394
1/2 NPT	BSSV-N04-F	.787	22mm	.500	.591
3/4 NPT	BSSV-N06-F	.878	27mm	.591	.728
1 NPT	BSSV-N08-F	.996	32mm	.591	.787
1 1/2 NPT	BSSV-N10-F	Consult Factory			
M5	BSSV-M5-F	Consult Factory			

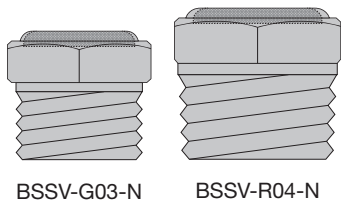
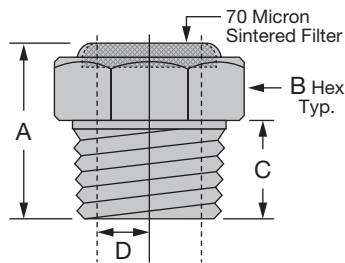
Male Thread	Part Numbers	Dimensions (Reference)			
	Stainless Steel 316L	A Ref.	B Typ.	C Ref.	D Ref.
1/8 BSPT	BSSV-R01-F	.492	12mm	.276	.236
1/4 BSPT	BSSV-R02-F	.622	17mm	.362	.354
3/8 BSPT	BSSV-R03-F	.669	19mm	.402	.394
1/2 BSPT	BSSV-R04-F	.787	22mm	.500	.591
3/4 BSPT	BSSV-R06-F	.878	27mm	.591	.728
1 BSPT	BSSV-R08-F	.996	32mm	.591	.787
1 1/2 BSPT	BSSV-R10-F	Consult Factory			

Male Thread	Part Numbers	Dimensions (Reference)			
	Stainless Steel 316L	A Ref.	B Typ.	C Ref.	D Ref.
1/8 BSPP	BSSV-G01-F	.492	12mm	.276	.236
1/4 BSPP	BSSV-G02-F	.622	17mm	.362	.354
3/8 BSPP	BSSV-G03-F	.669	19mm	.402	.394
1/2 BSPP	BSSV-G04-F	.787	22mm	.500	.591
3/4 BSPP	BSSV-G06-F	.878	27mm	.591	.728
1 BSPP	BSSV-G08-F	.996	32mm	.591	.787
1 1/2 BSPP	BSSV-G10-F	Consult Factory			

Dimensions are the same as the NPT Threads!

Flat Head Mufflers with 70 Micron Screen Filter

828



Male Thread	Part Numbers	Dimensions (Reference)			
	Stainless Steel 316L	A Ref.	B Typ.	C Ref.	D Ref.
1/8 NPT	BSSV-N01-N	.492	12mm	.276	.197
1/4 NPT	BSSV-N02-N	.622	17mm	.362	.315
3/8 NPT	BSSV-N03-N	.669	19mm	.402	.394
1/2 NPT	BSSV-N04-N	.787	22mm	.500	.591
3/4 NPT	BSSV-N06-N	.878	34mm	.591	.787
1 NPT	BSSV-N08-N	.996	34mm	.591	.945
1 1/2 NPT	BSSV-N10-N	.996	50mm	.591	1.496
M5	BSSV-M5-N	Consult Factory			

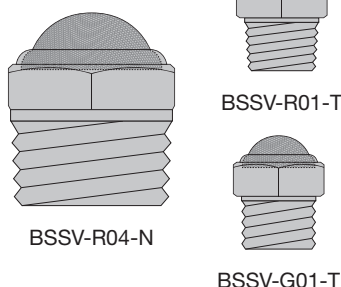
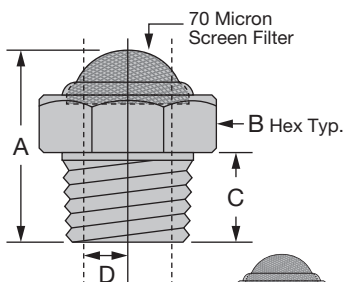
Male Thread	Part Numbers	Dimensions (Reference)			
	Stainless Steel 316L	A Ref.	B Typ.	C Ref.	D Ref.
1/8 BSPT	BSSV-R01-N	.492	12mm	.276	.197
1/4 BSPT	BSSV-R02-N	.622	17mm	.362	.315
3/8 BSPT	BSSV-R03-N	.669	19mm	.402	.394
1/2 BSPT	BSSV-R04-N	.787	22mm	.500	.591
3/4 BSPT	BSSV-R06-N	.878	34mm	.591	.787
1 BSPT	BSSV-R08-N	.996	34mm	.591	.945
1 1/2 BSPT	BSSV-R10-N	.996	50mm	.591	1.496

Male Thread	Part Numbers	Dimensions (Reference)			
	Stainless Steel 316L	A Ref.	B Typ.	C Ref.	D Ref.
1/8 BSPP	BSSV-G01-N	.492	12mm	.276	.197
1/4 BSPP	BSSV-G02-N	.622	17mm	.362	.315
3/8 BSPP	BSSV-G03-N	.669	19mm	.402	.394
1/2 BSPP	BSSV-G04-N	.787	22mm	.500	.591
3/4 BSPP	BSSV-G06-N	.878	34mm	.591	.787
1 BSPP	BSSV-G08-N	.996	34mm	.591	.945
1 1/2 BSPP	BSSV-G10-N	.996	50mm	.591	1.496

Dimensions are the same as the NPT Threads!

Flat Head Mufflers with 70 Micron Dome Screen Filter/Breather Vent

829



Male Thread	Part Numbers	Dimensions (Reference)			
	Stainless Steel 316L	A Ref.	B Typ.	C Ref.	D Ref.
1/8 NPT	BSSV-N01-T	.591	12mm	.276	.236
1/4 NPT	BSSV-N02-T	.815	17mm	.362	.315
3/8 NPT	BSSV-N03-T	.811	19mm	.402	.394
1/2 NPT	BSSV-N04-T	1.004	22mm	.500	.591
3/4 NPT	BSSV-N06-T	1.091	27mm	.591	.728
1 NPT	BSSV-N08-T	Consult Factory			
1 1/2 NPT	BSSV-N10-T	Consult Factory			
M5	BSSV-M5-T	Consult Factory			

Male Thread	Part Numbers	Dimensions (Reference)			
	Stainless Steel 316L	A Ref.	B Typ.	C Ref.	D Ref.
1/8 BSPT	BSSV-R01-T	.591	12mm	.276	.236
1/4 BSPT	BSSV-R02-T	.815	17mm	.362	.315
3/8 BSPT	BSSV-R03-T	.811	19mm	.402	.394
1/2 BSPT	BSSV-R04-T	1.004	22mm	.500	.591
3/4 BSPT	BSSV-R06-T	1.091	27mm	.591	.728
1 BSPT	BSSV-R08-T	Consult Factory			
1 1/2 BSPT	BSSV-R10-T	Consult Factory			

Male Thread	Part Numbers	Dimensions (Reference)			
	Stainless Steel 316	A Ref.	B Typ.	C Ref.	D Ref.
1/8 BSPP	BSSV-G01-T	.591	12mm	.276	.236
1/4 BSPP	BSSV-G02-T	.815	17mm	.362	.315
3/8 BSPP	BSSV-G03-T	.811	19mm	.402	.394
1/2 BSPP	BSSV-G04-T	1.004	22mm	.500	.591
3/4 BSPP	BSSV-G06-T	1.091	27mm	.591	.728
1 BSPP	BSSV-G08-T	Consult Factory			
1 1/2 BSPP	BSSV-G10-T	Consult Factory			

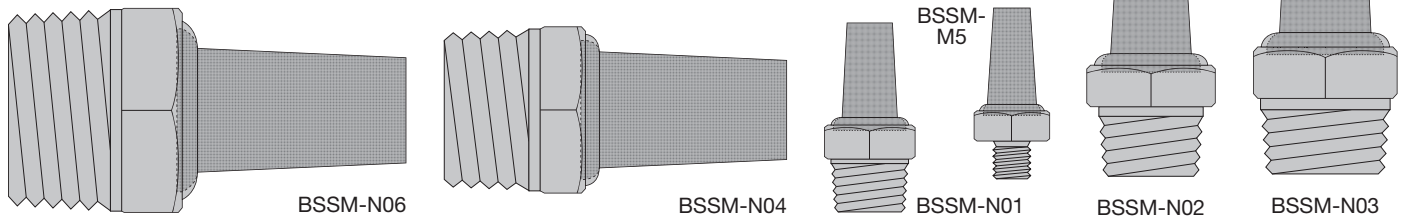
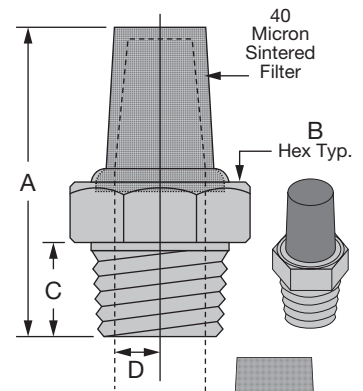
Dimensions are the same as the NPT Threads!

Flat Head Mufflers have a maximum working pressure of 150 PSI at 70°F!

830

Convex Head Mufflers with 40 Micron Sintered Filter/Breather Vent

Male Thread	Part Numbers	Dimensions (Reference)			
	Stainless Steel 316L	A Ref.	B Typ.	C Ref.	D Ref.
1/8 NPT	BSSM-N01	.984	12mm	.276	.236
1/4 NPT	BSSM-N02	1.339	17mm	.362	.354
3/8 NPT	BSSM-N03	1.606	19mm	.402	.394
1/2 NPT	BSSM-N04	1.783	22mm	.500	.591
3/4 NPT	BSSM-N06	2.071	27mm	.591	.728
1 NPT	BSSM-N08	Consult Factory		Consult Factory	
1 1/2 NPT	BSSM-N10	Consult Factory		Consult Factory	
M5	BSSM-M5	.890	10mm	.197	.098

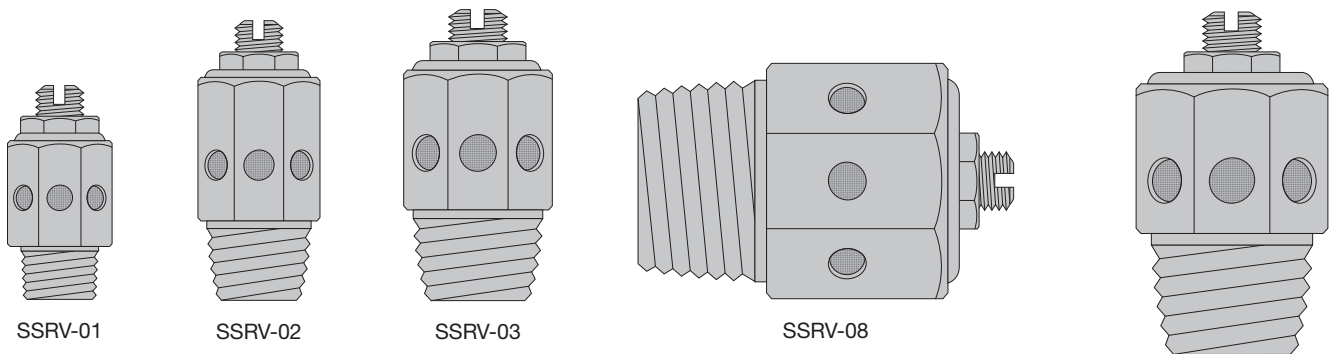
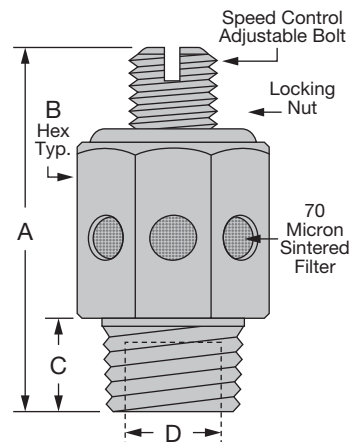


Convex Head Mufflers have a maximum operating pressure of 150 PSI at 70°F!

831

Exhaust Speed Control Mufflers with 70 Micron Sintered Filter

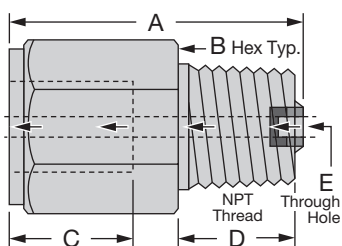
Male Thread	Part Numbers	Dimensions (Reference)			
	Stainless Steel 316L	A Ref.	B Typ.	C Ref.	D Ref.
1/8 NPT	SSRV-01	1.114	12mm	.276	.204
1/4 NPT	SSRV-02	1.457	14mm	.413	.204
3/8 NPT	SSRV-03	1.516	17mm	.492	.370
1/2 NPT	SSRV-04	1.783	22mm	.630	.527
3/4 NPT	SSRV-06	1.984	27mm	.670	.689
1 NPT	SSRV-08	2.146	34mm	.807	.890
M5	SSRV-M5	Consult Factory		Consult Factory	



Exhaust Speed Control Mufflers have a maximum operating pressure of 200 PSI at 70°F!

NPT Thread Adapters with Porous Snubber

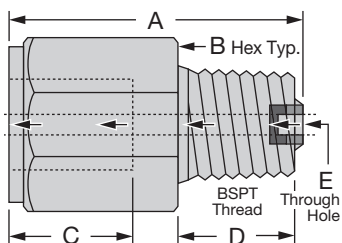
832



Male Thread	Female Thread	Part Numbers	Dimensions (Reference)				
			A Ref.	B Typ.	C Ref.	D Ref.	E Ref.
1/4 NPT	1/4 NPT	SPS-02	1.417	3/4	.591	.630	.098
3/8 NPT	3/8 NPT	SPS-03	1.417	7/8	.591	.630	.098
1/2 NPT	1/2 NPT	SPS-04	1.811	1 1/16	.787	.827	.181

BSPT Thread Adapters with Porous Snubber

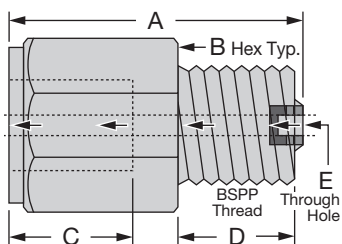
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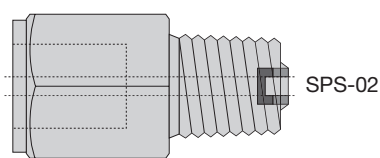
Male Thread	Female Thread	Part Numbers	Dimensions (Reference)				
			A Ref.	B Typ.	C Ref.	D Ref.	E Ref.
1/4 BSPT	1/4 BSPT	SPS-02-BSPT	1.417	3/4	.591	.630	.098
3/8 BSPT	3/8 BSPT	SPS-03-BSPT	1.417	7/8	.591	.630	.098
1/2 BSPT	1/2 BSPT	SPS-04-BSPT	1.811	1 1/16	.787	.827	.181

BSPP Thread Adapters with Porous Snubber

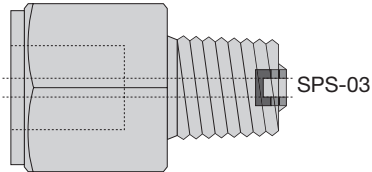
834



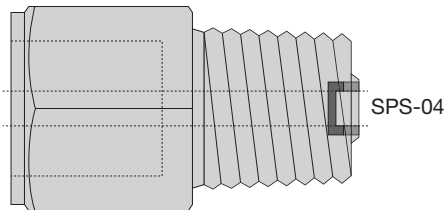
Male Thread	Female Thread	Part Numbers	Dimensions (Reference)				
			A Ref.	B Typ.	C Ref.	D Ref.	E Ref.
1/4 BSPP	1/4 BSPP	SPS-02-BSPP	1.417	3/4	.591	.630	.098
3/8 BSPP	3/8 BSPP	SPS-03-BSPP	1.417	7/8	.591	.630	.098
1/2 BSPP	1/2 BSPP	SPS-04-BSPP	1.811	1 1/16	.787	.827	.181



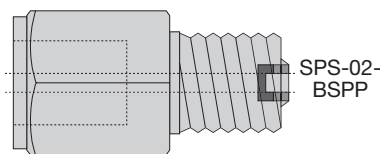
SPS-02



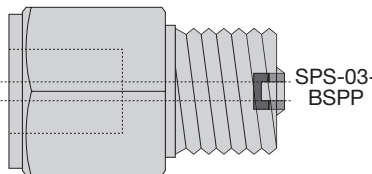
SPS-03



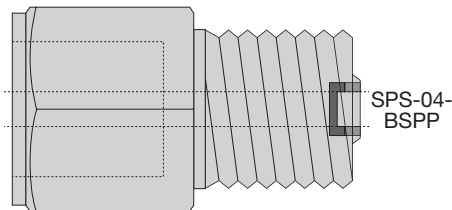
SPS-04



SPS-02-BSPP



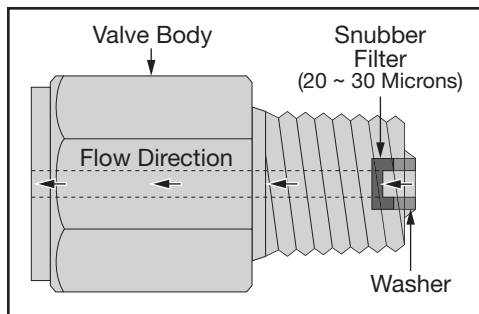
SPS-03-BSPP



SPS-04-BSPP

Pressure Snubber is intended to suppress the effect of pressure pulses and pressure peaks.

Maximum Pressure Rating:
15,000 PSI
Temperature Rating:
-50 ~ 300°C

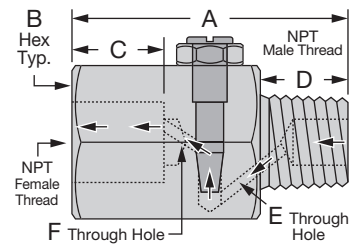


Pressure Snubbers will considerably increase the service life of pressure gauges in harsh applications such as on reciprocating pumps and compressors, hydraulic presses, or fluid power systems and will additionally improve the reading accuracy of the gauge.

835

NPT Thread Adapters with Porous Snubber

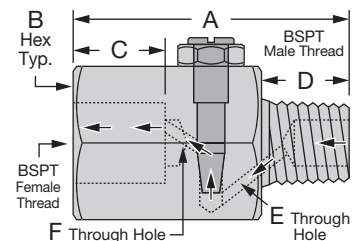
Male Thread	Female Thread	Part Numbers	Dimensions (Reference)					
		Stainless Steel 316L	A Ref.	B Typ.	C Ref.	D Ref.	E Ref.	F Ref.
1/4 NPT	1/4 NPT	SAM-02	1.575	7/8	1/2	1/2	.098	.078
3/8 NPT	3/8 NPT	SAM-03	1.654	7/8	1/2	1/2	.098	.078
1/2 NPT	1/2 NPT	SAM-04	2.283	1 1/16	3/4	3/4	.098	.078



836

BSPT Thread Adapters with Porous Snubber

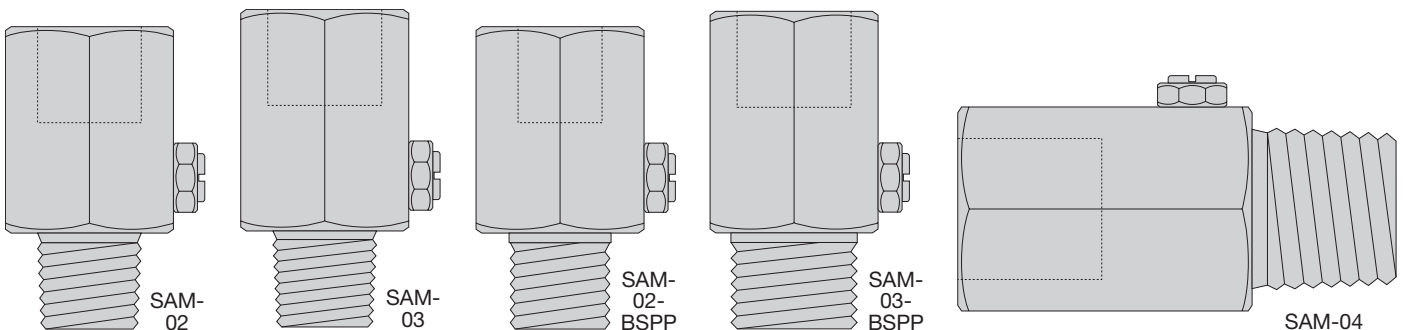
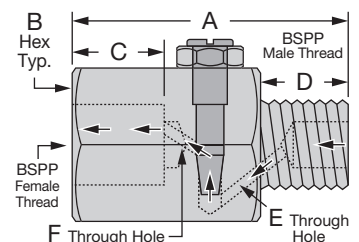
Male Thread	Female Thread	Part Numbers	Dimensions (Reference)					
		Stainless Steel 316L	A Ref.	B Typ.	C Ref.	D Ref.	E Ref.	F Ref.
1/4 BSPT	1/4 BSPT	SAM-02-BSPT	1.575	7/8	1/2	1/2	.098	.078
3/8 BSPT	3/8 BSPT	SAM-03-BP-BSPT	1.654	7/8	1/2	1/2	.098	.078
1/2 BSPT	1/2 BSPT	SAM-04-BSPT	2.283	1 1/16	3/4	3/4	.098	.078



837

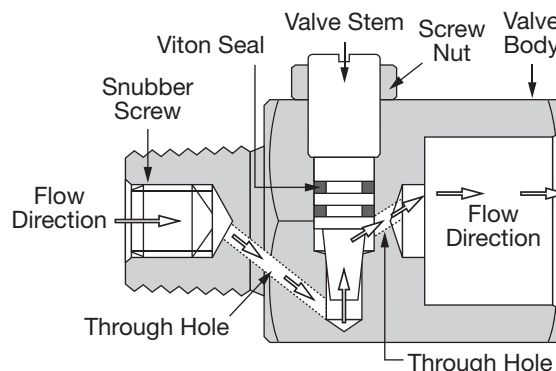
BSPP Thread Adapters with Porous Snubber

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)					
		Stainless Steel 316L	A Ref.	B Typ.	C Ref.	D Ref.	E Ref.	F Ref.
1/4 BSPP	1/4 BSPP	SAM-02-BSPP	1.575	7/8	1/2	1/2	.098	.078
3/8 BSPP	3/8 BSPP	SAM-03-BP-BSPP	1.654	7/8	1/2	1/2	.098	.078
1/2 BSPP	1/2 BSPP	SAM-04-BSPP	2.283	1 1/16	3/4	3/4	.098	.078



Adjustable Snubbers prolong the life of pressure instruments by reducing the damaging effects of pulsation. They can be utilized to change the amount of restriction.

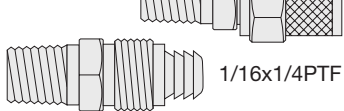
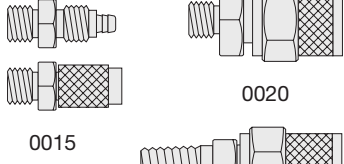
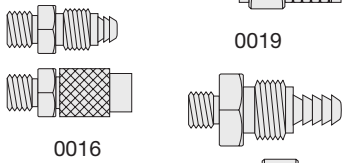
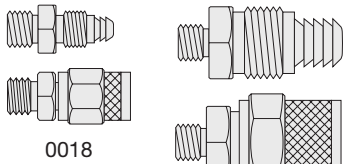
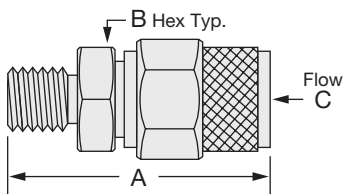
Maximum Pressure Rating:
6,000 PSI
Temperature Rating:
-40 ~ 120°C



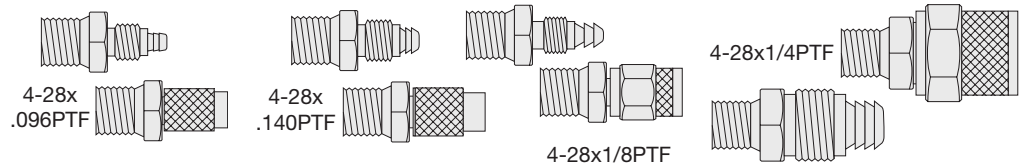
Adjustable Snubbers can be used in pumps, compressors, hydraulic presses, or fluid power systems. Adjustable Snubbers will considerably increase the service life of pressure gauges and improve the reading accuracy of the gauges.

Tube to Mini Male Thread PTF

838

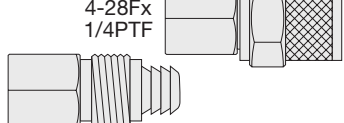
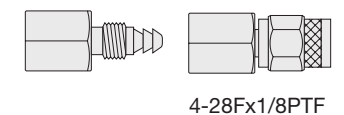
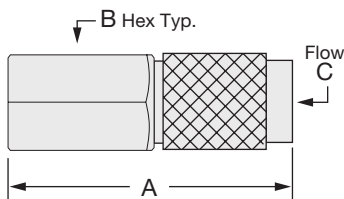


Male Thread	Tube OD	Part Numbers					Dimensions (Reference)		
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C FLOW
10-32	.096	0015	0015-SS	0015-316SS	0015-AL	0015-NP	.560	1/4	.040
10-32	.140	0016	0016-SS	0016-316SS	0016-AL	0016-NP	.570	1/4	.070
10-32	1/8	0018	0018-SS	0018-316SS	0018-AL	0018-NP	.620	1/4	.062
10-32	1/4	0019	0019-SS	0019-316SS	0019-AL	0019-NP	.855	3/8	.093
10-32	3/16	0020	0020-SS	0020-316SS	0020-AL	0020-NP	.800	3/8	.078
1/16	1/8	90329	90329-SS	90329-316SS	90329-AL	90329-NP	.895	7/16	.062
These parts are based on Tube O.D. (Outer Dimension.)									
1/4-28	.096	4-28x .096PTF	4-28x .096PTF-SS	4-28x .096PTF-316SS	4-28x .096PTF-AL	4-28x .096PTF-NP	.705	1/4	.040
1/4-28	.140	4-28x .140PTF	4-28x .140PTF-SS	4-28x .140PTF-316SS	4-28x .140PTF-AL	4-28x .140PTF-NP	.75	1/4	.070
1/4-28	1/8	4-28x 1/8PTF	4-28x 1/8PTF-SS	4-28x 1/8PTF-316SS	4-28x 1/8PTF-AL	4-28x 1/8PTF-NP	.75	1/4	.062
1/4-28	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	3/8	.078
1/4-28	1/4	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	3/8	.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	3/8	.078
1/16	1/4	1/16x 1/4PTF	1/16x 1/4PTF-SS	1/16x 1/4PTF-316SS	1/16x 1/4PTF-AL	1/16x 1/4PTF-NP	1.030	3/8	.093



Tube to Mini Female Thread PTF

839



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	1/4	.040
10-32	.140	0016F	0016F-SS	0016F-316SS	0016F-AL	0016F-NP	.570	1/4	.070
10-32	1/8	0018F	0018F-SS	0018F-316SS	0018F-AL	0018F-NP	.620	1/4	.062
10-32	1/4	0019F	0019F-SS	0019F-316SS	0019F-AL	0019F-NP	.855	3/8	.093
10-32	3/16	0020F	0020F-SS	0020F-316SS	0020F-AL	0020F-NP	.800	3/8	.078
1/16	1/8	90329F	90329F-SS	90329F-316SS	90329F-AL	90329F-NP	.895	7/16	.062
These parts are based on Tube O.D. (Outer Dimension.)									
1/4-28	.096	4-28Fx .096PTF	4-28Fx .096PTF-SS	4-28Fx .096PTF-316SS	4-28Fx .096PTF-AL	4-28Fx .096PTF-NP	.705	1/4	.040
1/4-28	.140	4-28Fx .140PTF	4-28Fx .140PTF-SS	4-28Fx .140PTF-316SS	4-28Fx .140PTF-AL	4-28Fx .140PTF-NP	.75	1/4	.070
1/4-28	1/8	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	1/4	.062
1/4-28	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	3/8	.078
1/4-28	1/4	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	3/8	.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	3/8	.078
1/16	1/4	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	3/8	.093

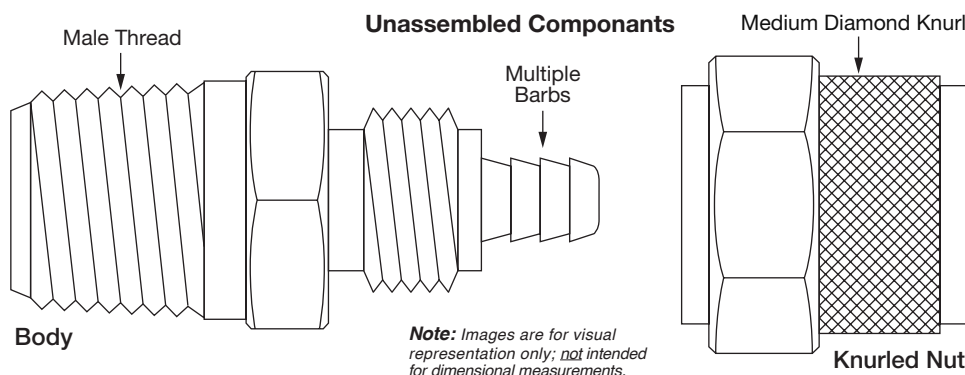
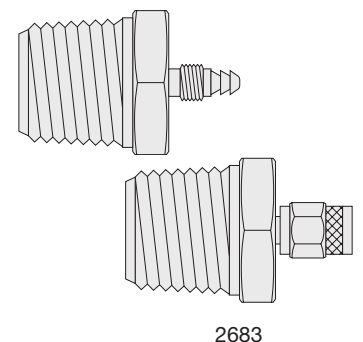
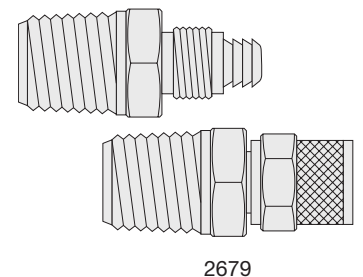
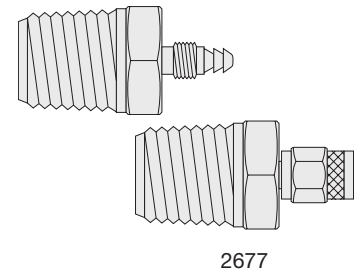
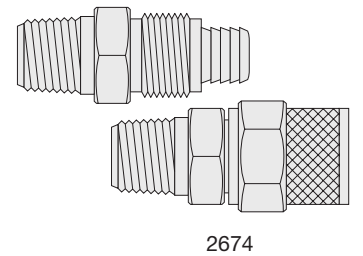
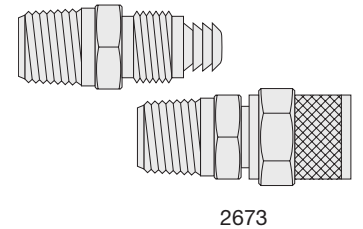
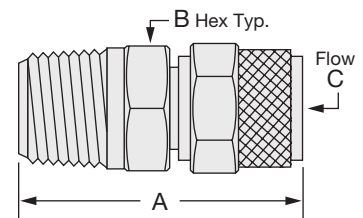


Metric sizes available!
Consult factory for details!

840

Tube to Male Thread 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
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	.062
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	1 1/16	.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	1 1/16	.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	1 1/16	.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	1 1/16	.234
3/8	1/2	2688	2688-SS	2688-316SS	2688-AL	2688-NP	1.468	1 1/16	.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

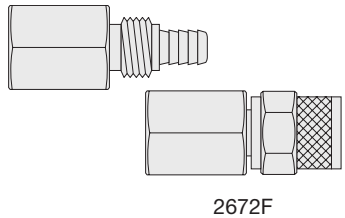
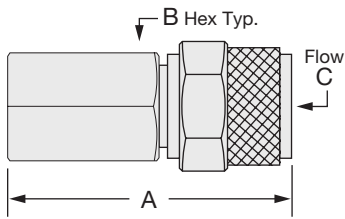


These parts are listed as O.D. - Outer (Tube) Dimension!

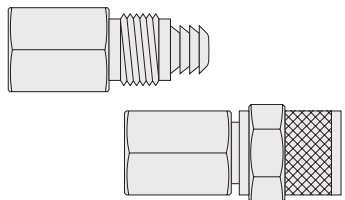
J2

Tube to Female Thread PTF

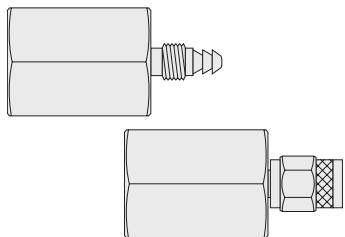
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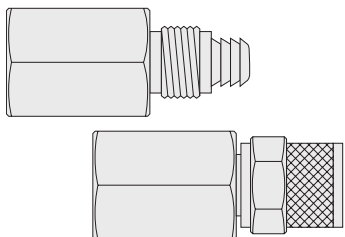
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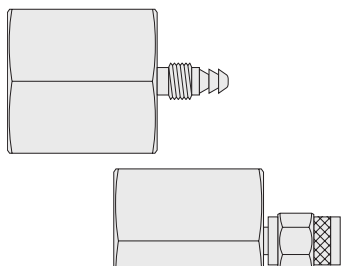
2673F



2677F



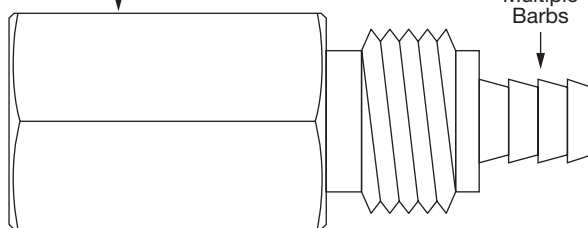
2679F



2683F

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	1 1/19	.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	1 1/16	.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	1 1/16	.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	1 1/16	.234
3/8	1/2	2688F	2688F-SS	2688F-316SS	2688F-AL	2688F-NP	1.468	1 1/16	.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

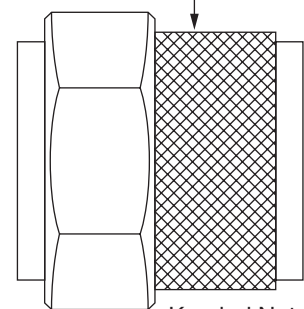
Female Threaded Hex



Body

Unassembled Components

Medium Diamond Knurl



Knurled Nut

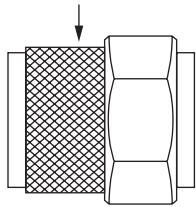
These parts are listed as O.D. - Outer (Tube) Dimension!

842

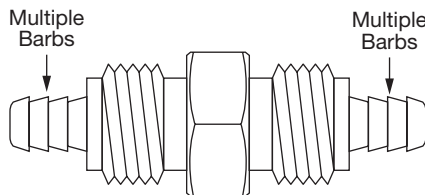
Bulkhead - Male to Male Thread PTF

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	1/4	.040
.096	.140	92831	92831-SS	92831-316SS	92831-AL	92831-NP	.750	1/4	.040
1/8	1/8	0021	0021-SS	0021-316SS	0021-AL	0021-NP	.875	1/4	.062
.140	.140	92832	92832-SS	92832-316SS	92832-AL	92832-NP	.750	1/4	.070
.140	1/4	92833	92833-SS	92833-316SS	92833-AL	92833-NP	.990	7/16	.070
1/4	1/4	20008	20008-SS	20008-316SS	20008-AL	20008-NP	1.24	7/16	.156

Medium Diamond Knurl

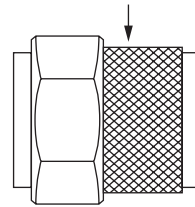


Knurled Nut

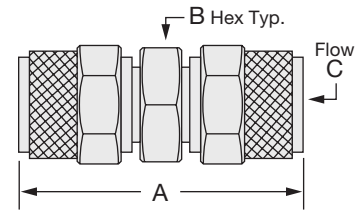
Unassembled Components

Body

Medium Diamond Knurl

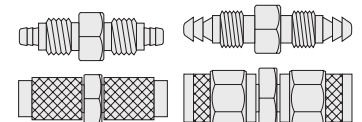


Knurled Nut

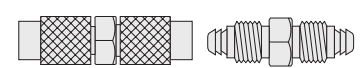


92830

0021



92831



92832

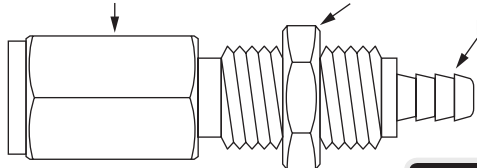
Metric sizes also available!

843

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	1/4	0019BK0	0019BK-SS	0019BK-316SS	0019BK-AL	0019BK-NP	1.46	7/16	.156

Female Threaded Hex



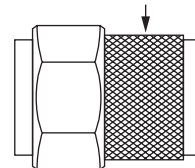
Body

Jam Nut

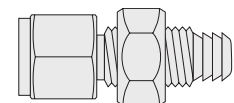
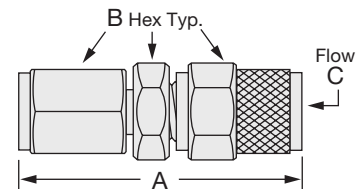
Multiple Barbs

Unassembled Components

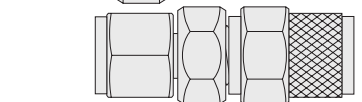
Medium Diamond Knurl



Knurled Nut



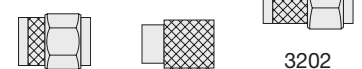
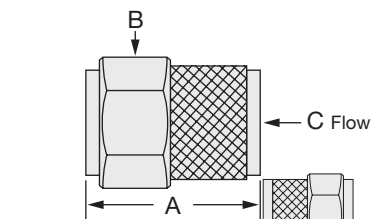
0019BK



844

Diamond Knurled Nuts

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	1/4	.144
10-32 UNF	1/8	3201	3201-SS	3201-316SS	3201-AL	3201-NP	3/8	1/4	.128
5/16-24 UNF	3/16	3202	3202-SS	3202-316SS	3202-AL	3202-NP	.468	3/8	.182
3/8-24 UNF	1/4	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	1/2	.317
1/2-24 UNF	3/8	3205	3205-SS	3205-316SS	3205-AL	3205-NP	5/8	9/16	.383
5/8-20 UNF	1/2	3206	3206-SS	3206-316SS	3206-AL	3206-NP	5/8	1 1/16	.508

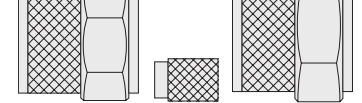


3202



3201

3200



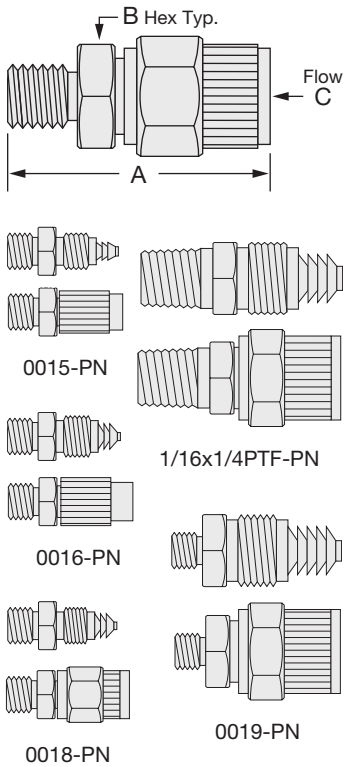
3204

3199

3206

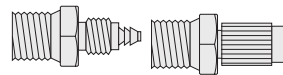
Tube to Mini Male Thread PTF for Strong Tubing

845

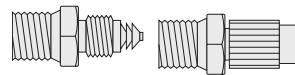


Male Thread	Tube OD	Part Numbers					Dimensions (Reference)		
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C FLOW
10-32	.096	0015-PN	0015-PN-SS	0015-PN-316SS	0015-PN-AL	0015-PN-NP	.560	1/4	.040
10-32	.140	0016-PN	0016-PN-SS	0016-PN-316SS	0016-PN-AL	0016-PN-NP	.570	1/4	.070
10-32	1/8	0018-PN	0018-PN-SS	0018-PN-316SS	0018-PN-AL	0018-PN-NP	.620	1/4	.062
10-32	1/4	0019-PN	0019-PN-SS	0019-PN-316SS	0019-PN-AL	0019-PN-NP	.855	3/8	.093
10-32	3/16	0020-PN	0020-PN-SS	0020-PN-316SS	0020-PN-AL	0020-PN-NP	.800	3/8	.078
1/16	1/8	90329-PN	90329-PN-SS	90329-PN-316SS	90329-PN-AL	90329-PN-NP	.895	7/16	.062
These parts are based on Tube O.D. (Outer Dimension.)									
1/4-28	.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	1/4	.040
1/4-28	.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	.75	1/4	.070
1/4-28	1/8	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	.75	1/4	.062
1/4-28	3/16	4-28x 3/16 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	3/8	.078
1/4-28	1/4	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	3/8	.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	3/8	.078
1/16	1/4	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	3/8	.093

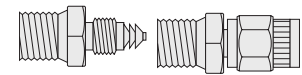
Metric Sizes Available!
Consult Factory for Details!



4-28x.096PTF-PN



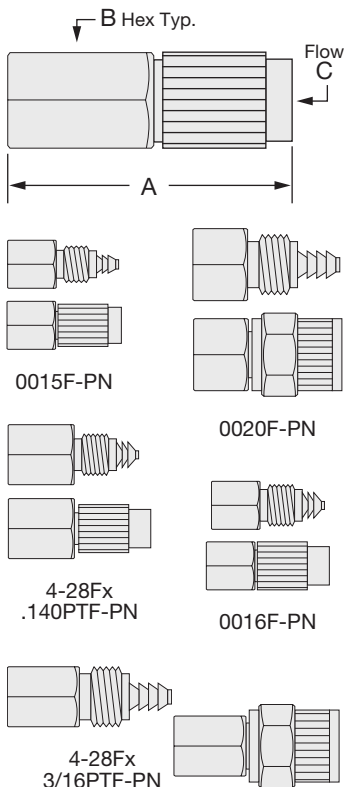
4-28x.140PTF-PN



4-28x1/8PTF-PN

Tube to Mini Female Thread PTF for Strong Tubing

846

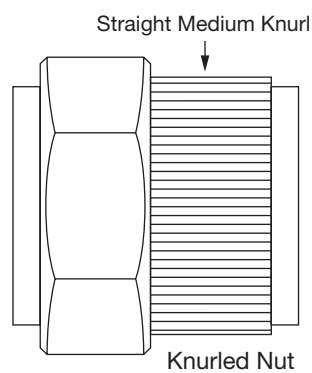
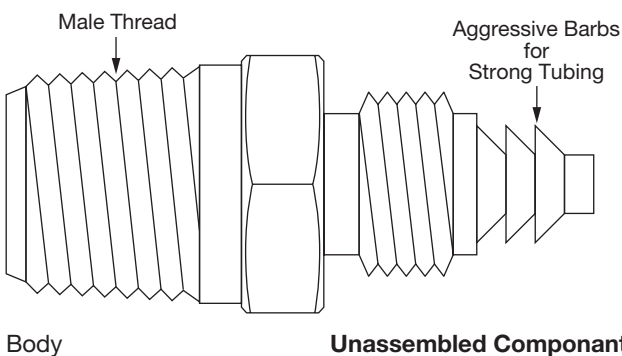
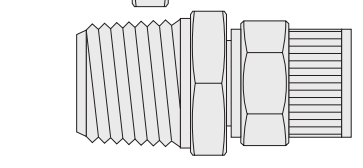
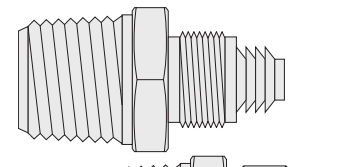
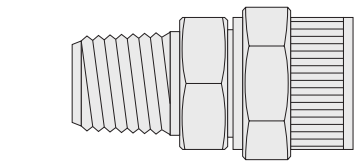
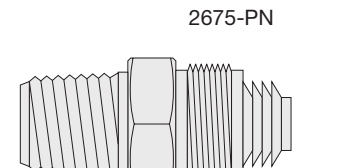
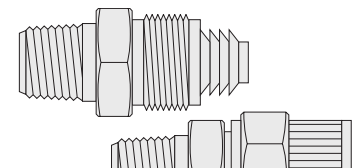
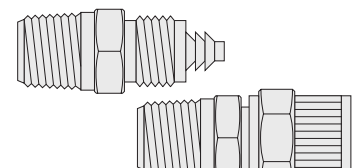
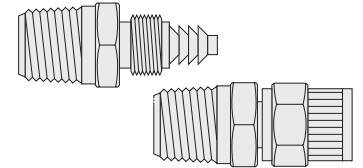
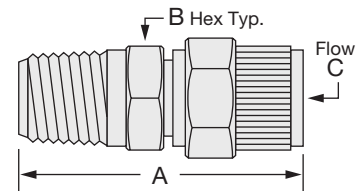


Female Thread	Tube OD	Part Numbers					Dimensions (Reference)		
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C FLOW
10-32	.096	0015F-PN	0015F-PN-SS	0015F-PN-316SS	0015F-PN-AL	0015F-PN-NP	.560	1/4	.040
10-32	.140	0016F-PN	0016F-PN-SS	0016F-PN-316SS	0016F-PN-AL	0016F-PN-NP	.570	1/4	.070
10-32	1/8	0018F-PN	0018F-PN-SS	0018F-PN-316SS	0018F-PN-AL	0018F-PN-NP	.620	1/4	.062
10-32	1/4	0019F-PN	0019F-PN-SS	0019F-PN-316SS	0019F-PN-AL	0019F-PN-NP	.855	3/8	.093
10-32	3/16	0020F-PN	0020F-PN-SS	0020F-PN-316SS	0020F-PN-AL	0020F-PN-NP	.800	3/8	.078
1/16	1/8	90329F-PN	90329F-PN-SS	90329F-PN-316SS	90329F-PN-AL	90329F-PN-NP	.895	7/16	.062
These parts are based on Tube O.D. (Outer Dimension.)									
1/4-28	.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	1/4	.040
1/4-28	.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	.75	1/4	.070
1/4-28	1/8	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	.75	1/4	.062
1/4-28	3/16	4-28Fx 3/16 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	3/8	.078
1/4-28	1/4	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	3/8	.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	3/8	.078
1/16	1/4	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	3/8	.093

847

Tube to Male Thread 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
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	1 1/16	.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	1 1/16	.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	1 1/16	.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	1 1/16	.234
3/8	1/2	2688-PN	2688-PN-SS	2688-PN-316SS	2688-PN-AL	2688-PN-NP	1.468	1 1/16	.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

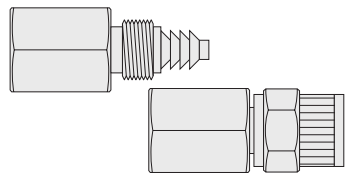
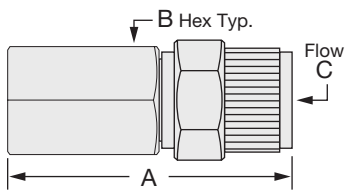


These parts are listed as O.D. - Outer (Tube) Dimension!

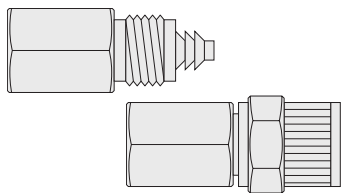
J2

Tube to Female Thread PTF for Strong Tubing

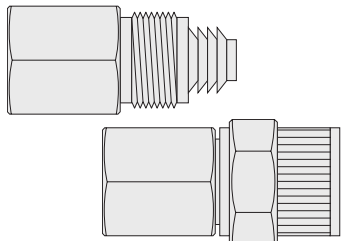
848



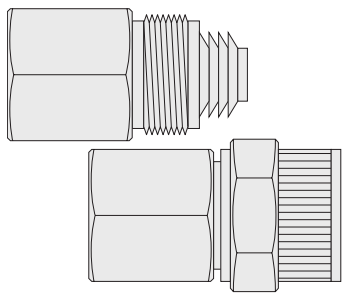
2672F-PN



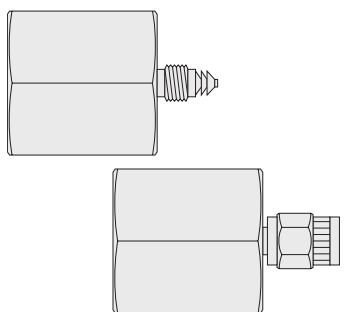
2673F-PN



2675F-PN



2676F-PN



2683F

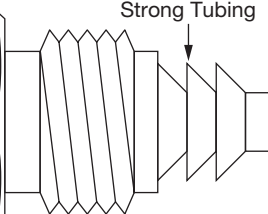
Female Thread	Tube OD	Part Numbers					Dimensions (Reference)		
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C FLOW
5/16-24	1/4	2664F-PN	2664F-PN-SS	2664F-PN-316SS	2664F-PN-AL	2664F-PN-NP	.970	1/2	.156
1/16	.096	2669F-PN	2669F-PN-SS	2669F-PN-316SS	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	11/16	.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

Female Threaded Hex



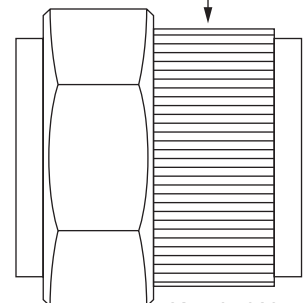
Body

Aggressive Barbs for Strong Tubing



Unassembled Components

Straight Medium Knurl



Knurled Nut

Metric Sizes Available!
Consult Factory for Details!

849

Bulkhead PTF for 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	1/4	.040
.096	.140	92831-PN	92831-PN-SS	92831-PN-316SS	92831-PN-AL	92831-PN-NP	.750	1/4	.040
1/8	1/8	0021-PN	0021-PN-SS	0021-PN-316SS	0021-PN-AL	0021-PN-NP	.875	1/4	.062
.140	.140	92832-PN	92832-PN-SS	92832-PN-316SS	92832-PN-AL	92832-PN-NP	.750	1/4	.070
.140	1/4	92833-PN	92833-PN-SS	92833-PN-316SS	92833-PN-AL	92833-PN-NP	.990	7/16	.070
1/4	1/4	20008-PN	20008-PN-SS	20008-PN-316SS	20008-PN-AL	20008-PN-NP	1.24	7/16	.156

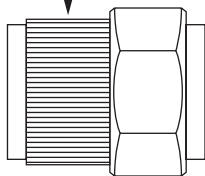
Straight Medium Knurl

Unassembled Components

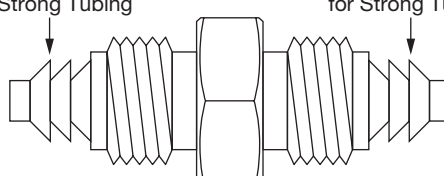
Aggressive Barbs for Strong Tubing

Aggressive Barbs for Strong Tubing

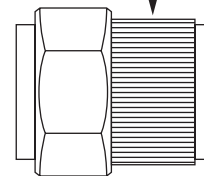
Straight Medium Knurl



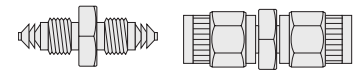
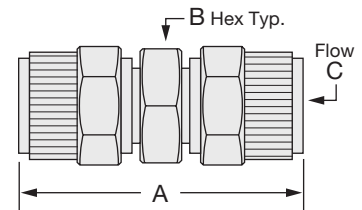
Knurled Nut



Body



Knurled Nut



0021-PN



20008-PN

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

850

Miniature Bulkhead - Female Thread to Tube PTF for Strong Tubing

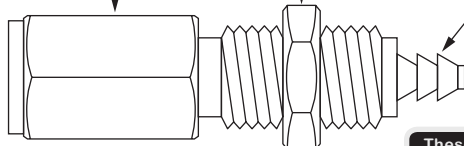
Female Thread	Tube OD	Part Numbers					Dimensions (Reference)		
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C FLOW
10-32	1/4	0019BK	0019BK-PN-SS	0019BK-PN-316SS	0019BK-PN-AL	0019BK-PN-NP	1.46	7/16	.156

Female Threaded Hex

Jam Nut

Aggressive Barbs for Strong Tubing

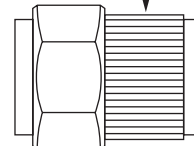
Medium Straight Knurl



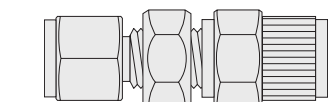
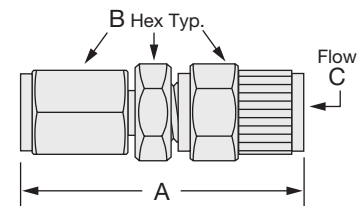
Body

Unassembled Components

These parts are listed as O.D.!



Knurled Nut

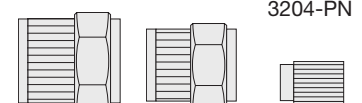
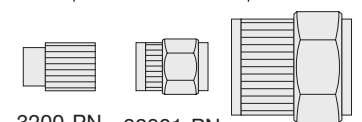
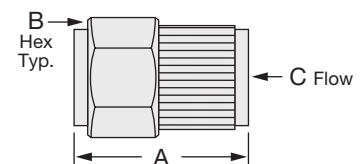


0019BK-PN

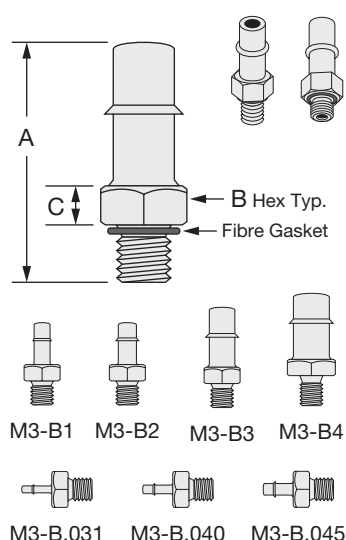
851

Straight Knurled Nuts

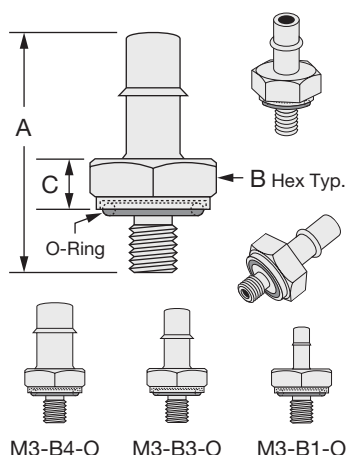
Thread	Tube OD	Part Numbers					Dimensions (Reference)		
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C FLOW
10-32 UNF	.096	P3199	P3199-SS	P3199-316SS	P3199-AL	P3199-NP	.330	.220	.100
12-28 UNF	.140	P3200	P3200-SS	P3200-316SS	P3200-AL	P3200-NP	3/8	1/4	.144
10-32 UNF	1/8	P3201	P3201-SS	P3201-316SS	P3201-AL	P3201-NP	3/8	1/4	.128
5/16-24 UNF	3/16	P3202	P3202-SS	P3202-316SS	P3202-AL	P3202-NP	.468	3/8	.182
3/8-24 UNF	1/4	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	5/8	1/2	.317
1/2-24 UNF	3/8	P3205	P3205-SS	P3205-316SS	P3205-AL	P3205-NP	5/8	9/16	.383
5/8-20 UNF	1/2	P3206	P3206-SS	P3206-316SS	P3206-AL	P3206-NP	5/8	11/16	.508



3203-PN 3202-PN 3199-PN

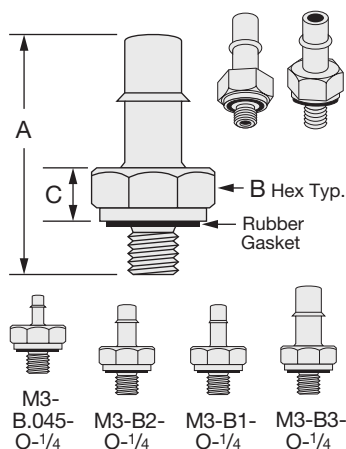
M3x0.5 Male Thread to Tube with Fibre Gasket Supplied**852**

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**853**

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	5/16	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**854**

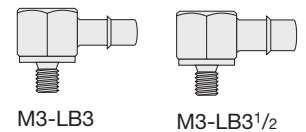
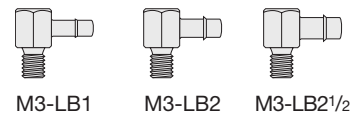
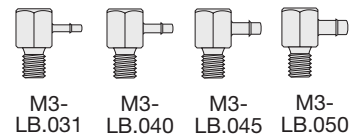
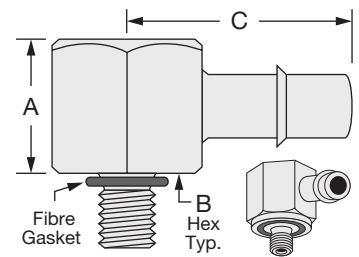
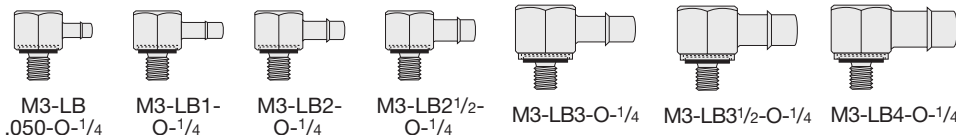
Note: Dimensions may vary at time of manufacturing.

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

855

M3x0.5 Male Thread to Elbows with Fibre Gasket Supplied

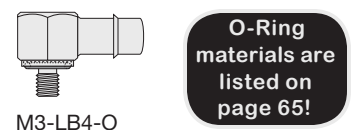
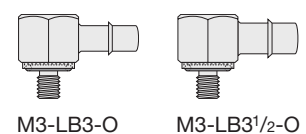
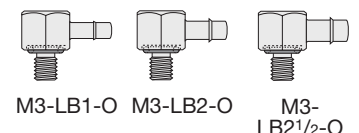
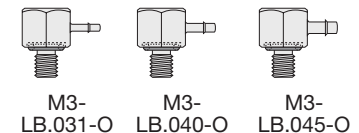
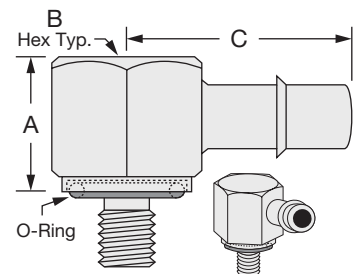
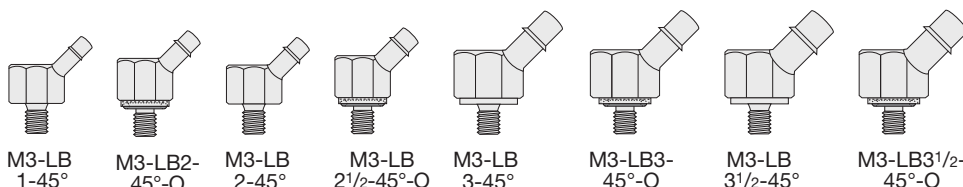
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	M3-LB.031	M3-LB.031-SS	M3-LB.031-316SS	M3-LB.031-NP	13/64	3/16	1/4
.040 / 1mm	M3-LB.040	M3-LB.040-SS	M3-LB.040-316SS	M3-LB.040-NP	13/64	3/16	1/4
3/64	M3-LB.045	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!**

856

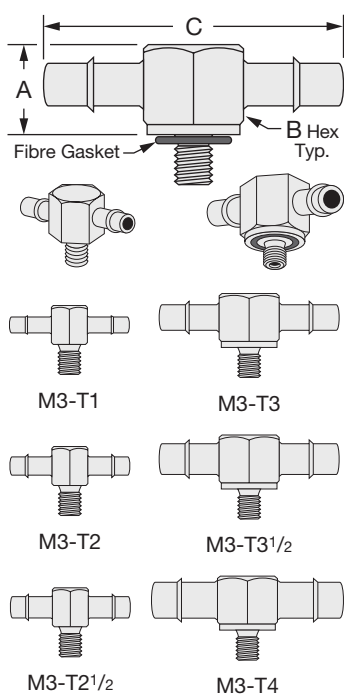
M3x0.5 Male Thread to Elbows with O-Ring Seal Installed

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!**

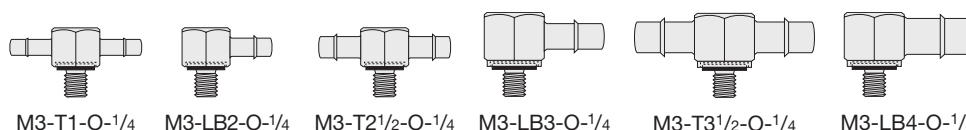
M3x0.5 Male Thread to Tees with Fibre Gasket Supplied

857



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-T2 1/2	M3-T2 1/2-SS	M3-T2 1/2-316SS	M3-T2 1/2-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-T3 1/2	M3-T3 1/2-SS	M3-T3 1/2-316SS	M3-T3 1/2-NP	9/32	5/16	15/16
.170	M3-T4	M3-T4-SS	M3-T4-316SS	M3-T4-NP	9/32	5/16	1

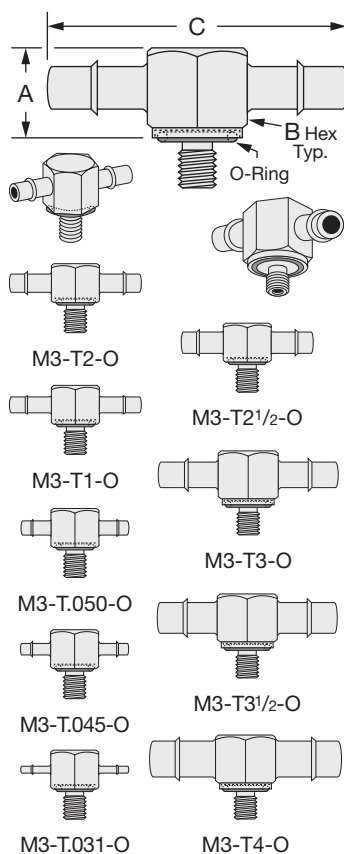
M3 fittings available with Captive Rubber Gaskets installed! Consult factory for details!



M4 Threads also available!
Consult factory for details!

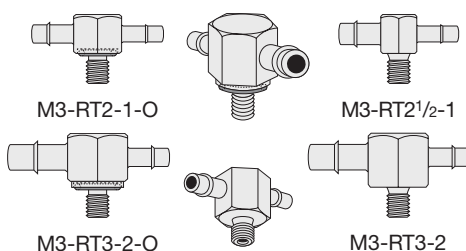
M3x0.5 Male Thread to Tees with O-Ring Seal Installed

858



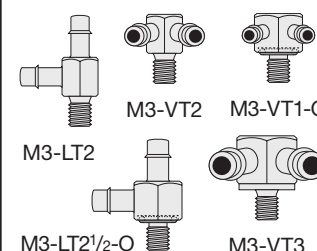
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	M3-T.031-O	M3-T.031-O-SS	M3-T.031-O-316SS	M3-T.031-O-NP	13/64	1/4	9/16
.040 / 1mm	M3-T.040-O	M3-T.040-O-SS	M3-T.040-O-316SS	M3-T.040-O-NP	13/64	1/4	9/16
3/64	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-T2 1/2-O	M3-T2 1/2-O-SS	M3-T2 1/2-O-316SS	M3-T2 1/2-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-T3 1/2-O	M3-T3 1/2-O-SS	M3-T3 1/2-O-316SS	M3-T3 1/2-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!

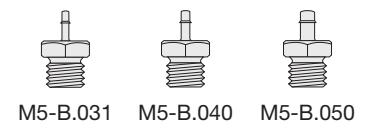
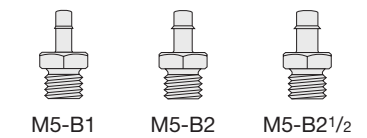
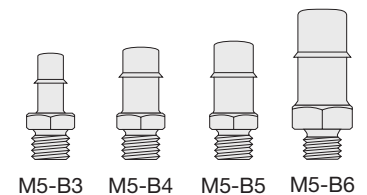
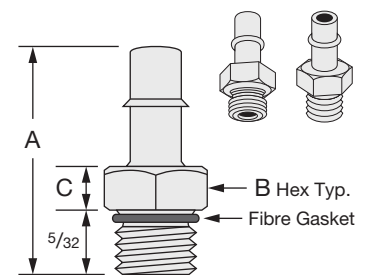


O-Ring options on page 65!

859

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	5/8	5/16	.085
1/4	M5-B6	M5-B6-SS	M5-B6-316SS	M5-B6-AL	M5-B6-NP	5/8	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

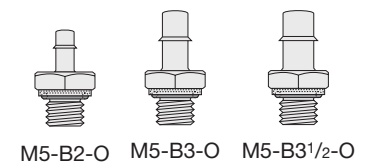
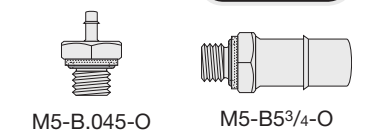
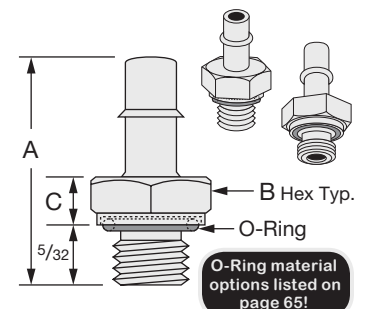


Also available with Captive Rubber Gaskets installed!

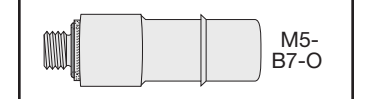
860

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	1.217	3/8*	11/32*
3/8	M5-B8-O	M5-B8-O-SS	M5-B8-O-316SS	M5-B8-O-AL	M5-B8-O-NP	7/8	3/8*	11/32*



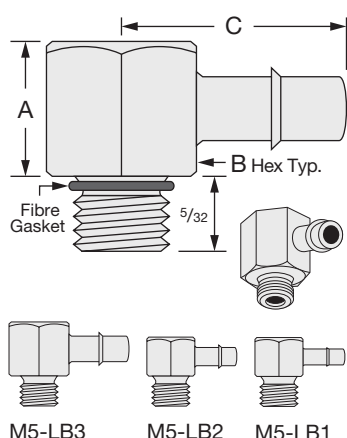
*M5-B7-O & M5-B8-O are available with Square Bodies only!



Note: Images are for visual representation only. Dimensions may vary at time of manufacturing.

M5x0.8 Male Thread to Tube Elbows with Fibre Gasket Supplied

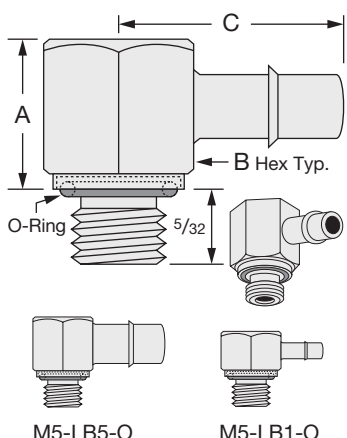
861



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

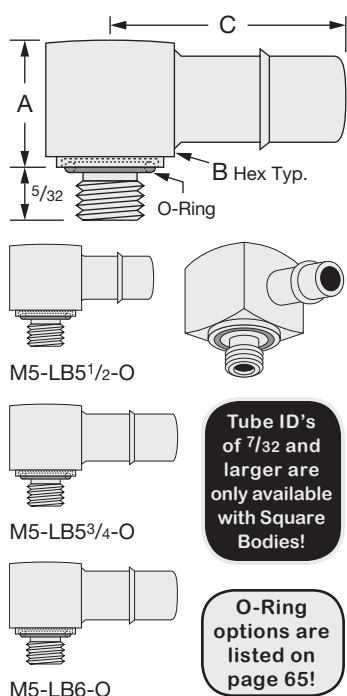
862



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

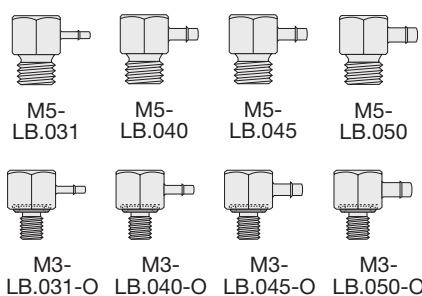
M5x0.8 Male Thread to Tube Elbows (Square Body) with O-Ring Seal Installed

863

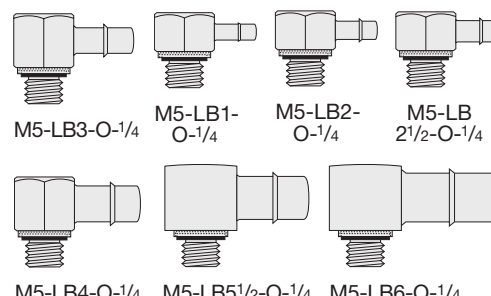


Tube ID	Part Numbers				Dimensions (Reference)	
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.
7/32	M5-LB5 1/2-O	M5-LB5 1/2-O-SS	M5-LB5 1/2-O-316SS	M5-LB5 1/2-O-NP	3/8	9/16
6mm	M5-LB5 3/4-O	M5-LB5 3/4-O-SS	M5-LB5 3/4-O-316SS	M5-LB5 3/4-O-NP	3/8	1 1/16
1/4	M5-LB6-O	M5-LB6-O-SS	M5-LB6-O-316SS	M5-LB6-O-NP	3/8	1 1/16

Smaller Tube ID's also available!



Captive Rubber Gaskets options available!



Lead times & minimum quantities apply!

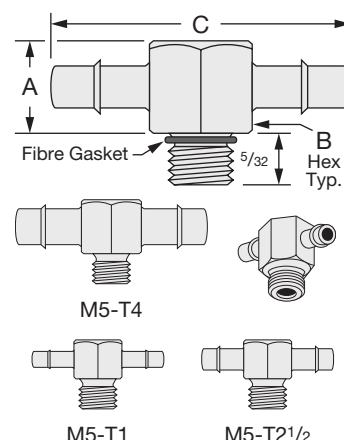
Consult factory for details!

M4 Thread Elbows available!

864

M5x0.8 Male Thread to Tube Tees with Fibre Gasket Supplied

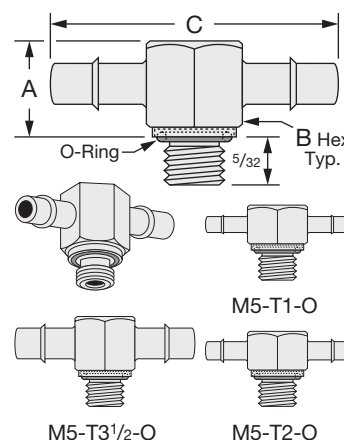
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	M5-T1	M5-T1-SS	M5-T1-316SS	M5-T1-NP	13/64	1/4	1 1/16
5/64 / 2mm	M5-T2	M5-T2-SS	M5-T2-316SS	M5-T2-NP	13/64	1/4	1 1/16
3/32	M5-T2 1/2	M5-T2 1/2-SS	M5-T2 1/2-316SS	M5-T2 1/2-NP	13/64	1/4	1 1/16
1/8	M5-T3	M5-T3-SS	M5-T3-316SS	M5-T3-NP	9/32	5/16	1 5/16
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	1 5/16
.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



865

M5x0.8 Male Thread to Tube Tees with O-Ring Seal Installed

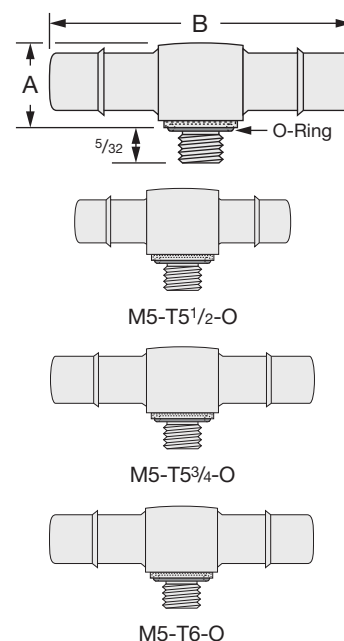
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	M5-T1-O	M5-T1-O-SS	M5-T1-O-316SS	M5-T1-O-NP	15/64	5/16	3/4
5/64 / 2mm	M5-T2-O	M5-T2-O-SS	M5-T2-O-316SS	M5-T2-O-NP	15/64	5/16	3/4
3/32	M5-T2 1/2-O	M5-T2 1/2-O-SS	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	1 5/16
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	1 5/16
.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



866

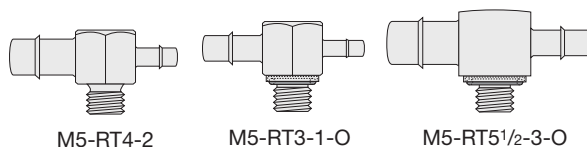
M5x0.8 Male Thread to Tube Tees (Square Body) with O-Ring Seal Installed

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	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	1 3/8
1/4	M5-T6-O	M5-T6-O-SS	M5-T6-O-316SS	M5-T6-O-NP	3/8	1 3/8



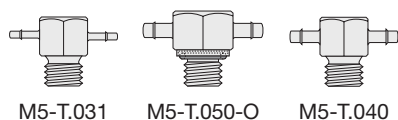
Lead times and minimum quantities apply! Consult factory for details!

M5 Thread Reducing Tees also available!

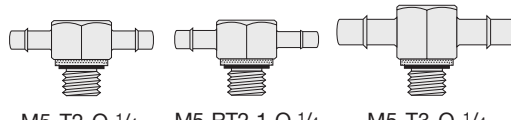


Tube ID's of 7/32 and larger are only available with Square Bodies!

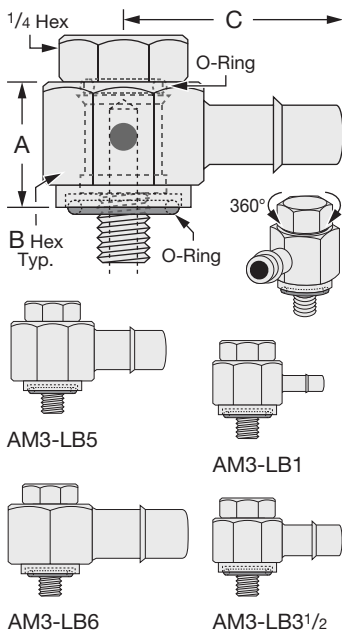
Smaller Tube ID's available!



Captive Rubber Gasket options available!



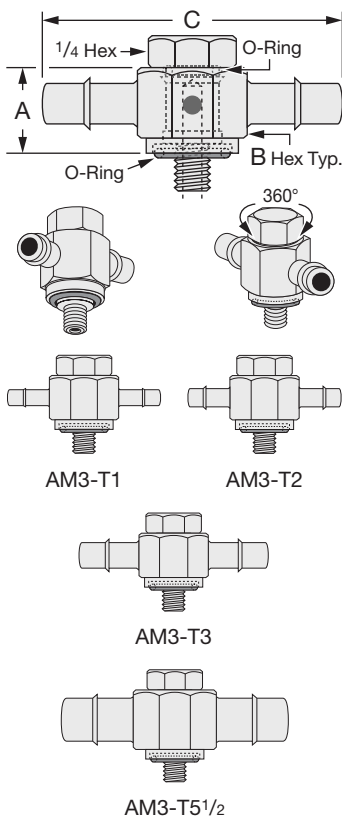
O-Ring options on page 65!

M3x0.5 Male Thread to Tube Adjustable Elbows**867**

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	AM3-LB1	AM3-LB1-SS	AM3-LB1-316SS	AM3-LB1-AL	AM3-LB1-NP	9/32	5/16	25/64
5/64 / 2mm	AM3-LB2	AM3-LB2-SS	AM3-LB2-316SS	AM3-LB2-AL	AM3-LB2-NP	9/32	5/16	25/64
3/32	AM3-LB2 1/2	AM3-LB2 1/2-SS	AM3-LB2 1/2-316SS	AM3-LB2 1/2-AL	AM3-LB2 1/2-NP	9/32	5/16	25/64
1/8	AM3-LB3	AM3-LB3-SS	AM3-LB3-316SS	AM3-LB3-AL	AM3-LB3-NP	9/32	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-AL	AM3-LB3 1/2-NP	9/32	5/16	33/64
.170	AM3-LB4	AM3-LB4-SS	AM3-LB4-316SS	AM3-LB4-AL	AM3-LB4-NP	.360	3/8	17/32
3/16	AM3-LB5	AM3-LB5-SS	AM3-LB5-316SS	AM3-LB5-AL	AM3-LB5-NP	.360	3/8	9/16
7/32	AM3-LB5 1/2	AM3-LB5 1/2-SS	AM3-LB5 1/2-316SS	AM3-LB5 1/2-AL	AM3-LB5 1/2-NP	.360	3/8	9/16
6mm	AM3-LB5 3/4	AM3-LB5 3/4-SS	AM3-LB5 3/4-316SS	AM3-LB5 3/4-AL	AM3-LB5 3/4-NP	.360	7/16	23/32
1/4	AM3-LB6	AM3-LB6-SS	AM3-LB6-316SS	AM3-LB6-AL	AM3-LB6-NP	.360	7/16	23/32

Anodized Aluminum options available! See page 488 for details!

O-Ring options listed on page 65!

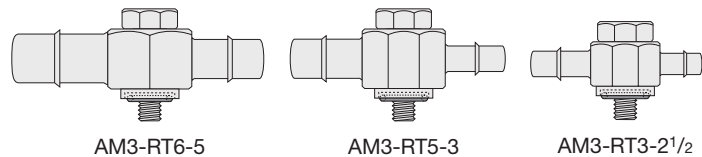
M3x0.5 Male Thread to Tube Adjustable Tees**868**

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	9/32	5/16	25/32
5/64 / 2mm	AM3-T2	AM3-T2-SS	AM3-T2-316SS	AM3-T2-NP	9/32	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	9/32	5/16	25/32
1/8	AM3-T3	AM3-T3-SS	AM3-T3-316SS	AM3-T3-NP	9/32	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	9/32	5/16	1 1/32
.170	AM3-T4	AM3-T4-SS	AM3-T4-316SS	AM3-T4-NP	.360	3/8	1 1/8
3/16	AM3-T5	AM3-T5-SS	AM3-T5-316SS	AM3-T5-NP	.360	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	.360	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	.360	7/16	1 7/16
1/4	AM3-T6	AM3-T6-SS	AM3-T6-316SS	AM3-T6-NP	.360	7/16	1 7/16

O-Ring material options are listed on page 65!

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

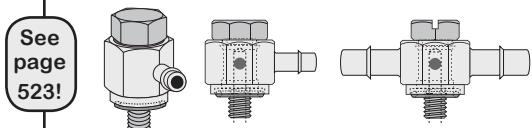
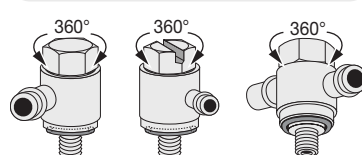
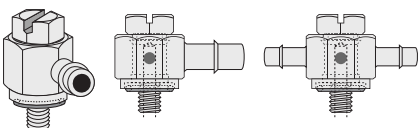
M3 Thread Reducing Tees available! Consult factory for details!



M3 Thread Slotted Bolts available!

Round Body options available!

M3 Thread Stainless Steel Bolts available!

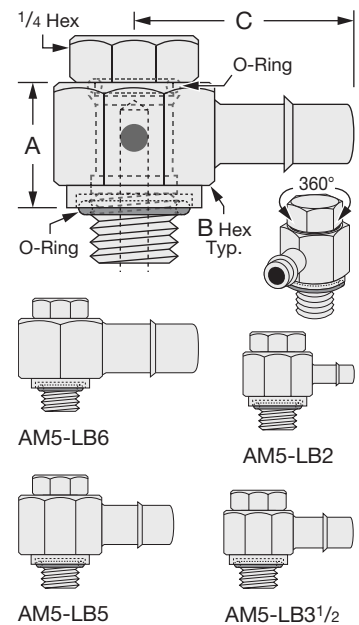


See page 523!

869

M5x0.8 Male Thread to Tube Adjustable Elbows

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	AM5-LB1	AM5-LB1-SS	AM5-LB1-316SS	AM5-LB1-AL	AM5-LB1-NP	9/32	5/16	25/64
5/64 / 2mm	AM5-LB2	AM5-LB2-SS	AM5-LB2-316SS	AM5-LB2-AL	AM5-LB2-NP	9/32	5/16	25/64
3/32	AM5-LB2 1/2	AM5-LB2 1/2-SS	AM5-LB2 1/2-316SS	AM5-LB2 1/2-AL	AM5-LB2 1/2-NP	9/32	5/16	25/64
1/8	AM5-LB3	AM5-LB3-SS	AM5-LB3-316SS	AM5-LB3-AL	AM5-LB3-NP	9/32	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-AL	AM5-LB3 1/2-NP	9/32	5/16	33/64
.170	AM5-LB4	AM5-LB4-SS	AM5-LB4-316SS	AM5-LB4-AL	AM5-LB4-NP	.360	3/8	9/16
3/16	AM5-LB5	AM5-LB5-SS	AM5-LB5-316SS	AM5-LB5-AL	AM5-LB5-NP	.360	3/8	9/16
7/32	AM5-LB5 1/2	AM5-LB5 1/2-SS	AM5-LB5 1/2-316SS	AM5-LB5 1/2-AL	AM5-LB5 1/2-NP	.360	3/8	9/16
6mm	AM5-LB5 3/4	AM5-LB5 3/4-SS	AM5-LB5 3/4-316SS	AM5-LB5 3/4-AL	AM5-LB5 3/4-NP	.360	7/16	23/32
1/4	AM5-LB6	AM5-LB6-SS	AM5-LB6-316SS	AM5-LB6-AL	AM5-LB6-NP	.360	7/16	23/32



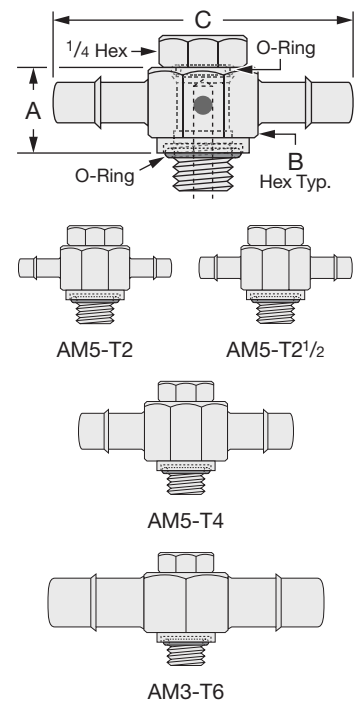
Anodized Aluminum options available! See page 488 for details!

O-Ring options on page 65!

870

M5x0.8 Male Thread to Tube Adjustable Tees

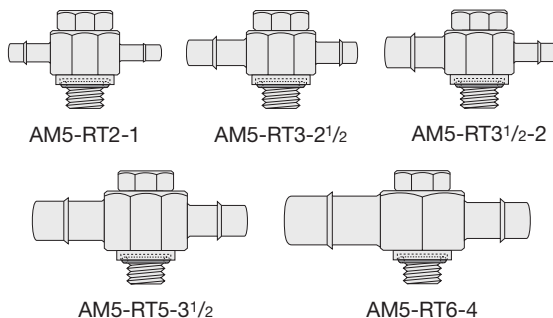
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	AM5-T1	AM5-T1-SS	AM5-T1-316SS	AM5-T1-NP	1 1/32	5/16	25/32
5/64 / 2mm	AM5-T2	AM5-T2-SS	AM5-T2-316SS	AM5-T2-NP	1 1/32	5/16	25/32
3/32	AM5-T2 1/2	AM5-T2 1/2-SS	AM5-T2 1/2-316SS	AM5-T2 1/2-NP	1 1/32	5/16	25/32
1/8	AM5-T3	AM5-T3-SS	AM5-T3-316SS	AM5-T3-NP	1 1/32	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	1 1/32	5/16	1 1/32
.170	AM5-T4	AM5-T4-SS	AM5-T4-316SS	AM5-T4-NP	.465	3/8	1 1/8
3/16	AM5-T5	AM5-T5-SS	AM5-T5-316SS	AM5-T5-NP	.465	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	.465	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	.465	7/16	1 7/16
1/4	AM5-T6	AM5-T6-SS	AM5-T6-316SS	AM5-T6-NP	.465	7/16	1 7/16



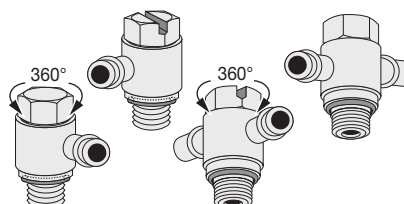
Lead times & minimum quantities apply! Consult factory!

M5 Slotted Bolts available!

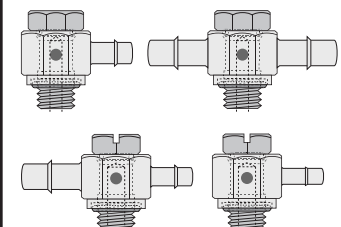
M5 Male Thread Reducing Tees available!



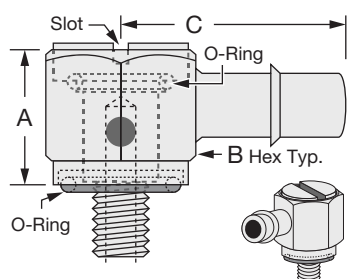
Round Body options available!



Stainless Steel Bolts available! See page 523!



K2

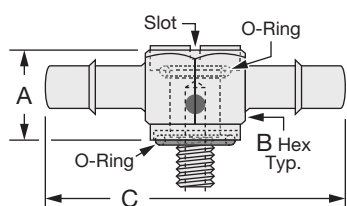
M3 Ultra-Miniature Elbows with Hex Body**871**AM3-LB3¹/₂-UM

AM3-LB1-UM

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	AM3-LB1-UM	AM3-LB1-UM-SS	AM3-LB1-UM-316SS	AM3-LB1-UM-AL	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-AL	AM3-LB2-UM-NP	9/32	5/16	3/8
3/32	AM3-LB2 ¹ / ₂ -UM	AM3-LB2 ¹ / ₂ -UM-SS	AM3-LB2 ¹ / ₂ -UM-316SS	AM3-LB2 ¹ / ₂ -UM-AL	AM3-LB2 ¹ / ₂ -UM-NP	9/32	5/16	3/8
1/8	AM3-LB3-UM	AM3-LB3-UM-SS	AM3-LB3-UM-316SS	AM3-LB3-UM-AL	AM3-LB3-UM-NP	9/32	5/16	15/32
5/32 / 4mm	AM3-LB3 ¹ / ₂ -UM	AM3-LB3 ¹ / ₂ -UM-SS	AM3-LB3 ¹ / ₂ -UM-316SS	AM3-LB3 ¹ / ₂ -UM-AL	AM3-LB3 ¹ / ₂ -UM-NP	9/32	5/16	15/32

Anodized Aluminum options available! See page 488 for details!

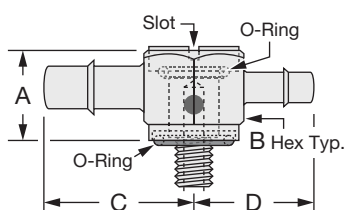
O-Ring options listed on page 65!

M3 Ultra-Miniature Tees with Hex Body**872**

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-T2 ¹ / ₂ -UM	AM3-T2 ¹ / ₂ -UM-SS	AM3-T2 ¹ / ₂ -UM-316SS	AM3-T2 ¹ / ₂ -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-T3 ¹ / ₂ -UM	AM3-T3 ¹ / ₂ -UM-SS	AM3-T3 ¹ / ₂ -UM-316SS	AM3-T3 ¹ / ₂ -UM-NP	9/32	5/16	15/16

M3 Ultra-Miniature Reducing Tees with Hex Body**873**

AM3-RT2-1-UM

AM3-RT2¹/₂-1-UM

AM3-RT3-1-UM

AM3-RT2¹/₂-2-UM

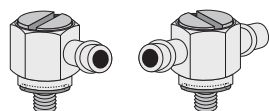
AM3-RT3-2-UM

AM3-RT3¹/₂-3-UM

M4 Thread options available!

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-RT2 ¹ / ₂ -1-UM	AM3-RT2 ¹ / ₂ -1-UM-SS	AM3-RT2 ¹ / ₂ -1-UM-316SS	AM3-RT2 ¹ / ₂ -1-UM-NP	9/32	5/16	3/8	3/8
3/32	5/64 / 2mm	AM3-RT2 ¹ / ₂ -2-UM	AM3-RT2 ¹ / ₂ -2-UM-SS	AM3-RT2 ¹ / ₂ -2-UM-316SS	AM3-RT2 ¹ / ₂ -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-RT3-2 ¹ / ₂ -UM	AM3-RT3-2 ¹ / ₂ -UM-SS	AM3-RT3-2 ¹ / ₂ -UM-316SS	AM3-RT3-2 ¹ / ₂ -UM-NP	9/32	5/16	15/32	3/8
5/32 / 4mm	1/16	AM3-RT3 ¹ / ₂ -1-UM	AM3-RT3 ¹ / ₂ -1-UM-SS	AM3-RT3 ¹ / ₂ -1-UM-316SS	AM3-RT3 ¹ / ₂ -1-UM-NP	9/32	5/16	15/32	3/8
5/32 / 4mm	5/64 / 2mm	AM3-RT3 ¹ / ₂ -2-UM	AM3-RT3 ¹ / ₂ -2-UM-SS	AM3-RT3 ¹ / ₂ -2-UM-316SS	AM3-RT3 ¹ / ₂ -2-UM-NP	9/32	5/16	15/32	3/8
5/32 / 4mm	3/32	AM3-RT3 ¹ / ₂ -2 ¹ / ₂ -UM	AM3-RT3 ¹ / ₂ -2 ¹ / ₂ -UM-SS	AM3-RT3 ¹ / ₂ -2 ¹ / ₂ -UM-316SS	AM3-RT3 ¹ / ₂ -2 ¹ / ₂ -UM-NP	9/32	5/16	15/32	3/8
5/32 / 4mm	1/8	AM3-RT3 ¹ / ₂ -3-UM	AM3-RT3 ¹ / ₂ -3-UM-SS	AM3-RT3 ¹ / ₂ -3-UM-316SS	AM3-RT3 ¹ / ₂ -3-UM-NP	9/32	5/16	15/32	15/32

Stainless Steel Bolts available!

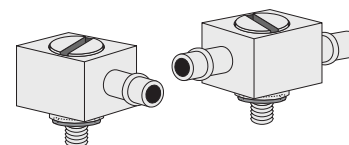


See options on page 523!

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

M3 & M2¹/₂ Nano Adjustables available! See page 521!

Square Body options available!



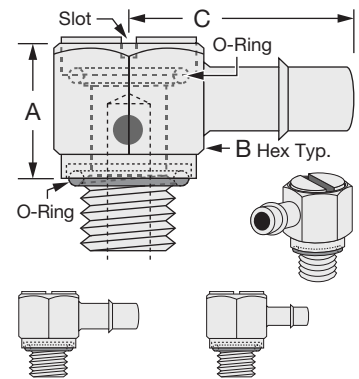
874

M5 Ultra-Miniature Elbows with Hex Body

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	AM5-LB1-UM	AM5-LB1-UM-SS	AM5-LB1-UM-316SS	AM5-LB1-UM-AL	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-AL	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-AL	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-AL	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-AL	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!



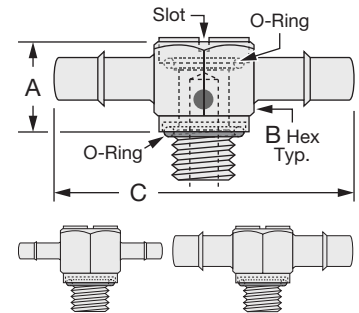
AM5-LB3-UM

AM5-LB2-UM

875

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

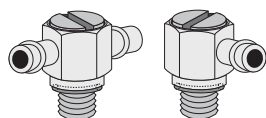
AM5-T3 1/2-UM

876

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

Stainless Steel Bolts available!

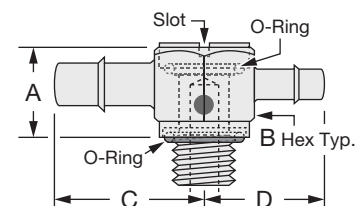
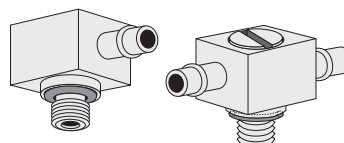


See options on page 523!

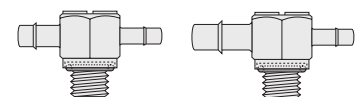
Lead times & minimum quantities apply! Consult factory for details!

M3 & M2 1/2 Nano Adjustables available! See page 521!

Square Body options available!

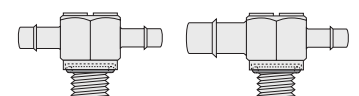


AM5-RT2-1-UM



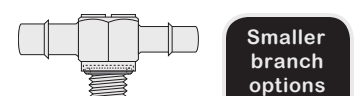
AM5-RT2 1/2-1-UM

AM5-RT3-1-UM



AM5-RT2 1/2-2-UM

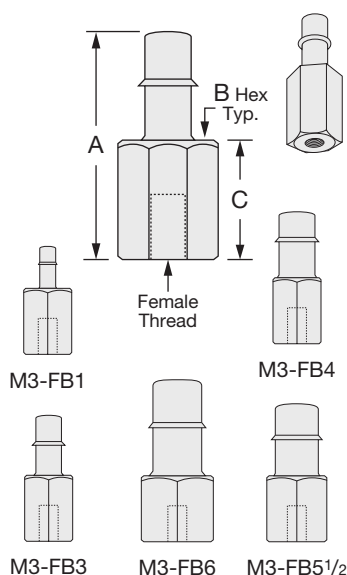
AM5-RT3 1/2-2-UM



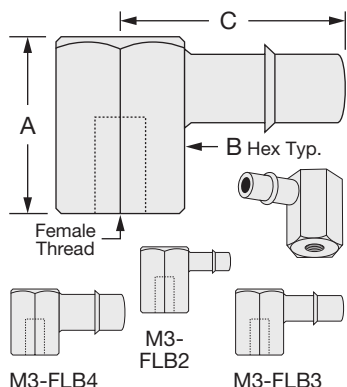
AM5-RT3 1/2-3-UM

Smaller branch options available!

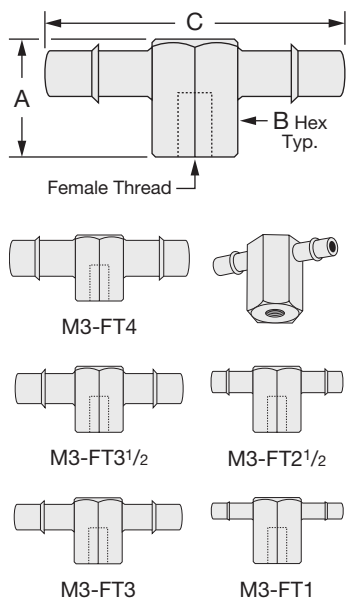
K2

M3x0.5 Female Thread to Tube**877**

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	1 1/32
5/64 / 2mm	M3-FB2	M3-FB2-SS	M3-FB2-316SS	M3-FB2-AL	M3-FB2-NP	9/16	1/4	1 1/32
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	1 1/32
1/8	M3-FB3	M3-FB3-SS	M3-FB3-316SS	M3-FB3-AL	M3-FB3-NP	2 1/32	1/4	1 1/32
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	2 1/32	1/4	1 1/32
.170	M3-FB4	M3-FB4-SS	M3-FB4-316SS	M3-FB4-AL	M3-FB4-NP	2 1/32	1/4	1 1/32
3/16	M3-FB5	M3-FB5-SS	M3-FB5-316SS	M3-FB5-AL	M3-FB5-NP	2 3/32	7/16	1 1/32
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	2 3/32	7/16	1 1/32
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	2 7/32	3/8	1 1/32
1/4	M3-FB6	M3-FB6-SS	M3-FB6-316SS	M3-FB6-AL	M3-FB6-NP	2 7/32	3/8	1 1/32

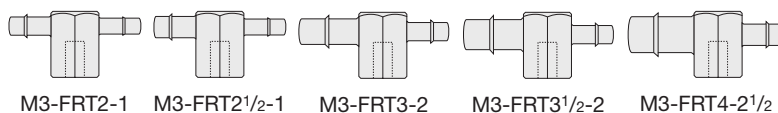
M3x0.5 Female Thread to Elbows**878**

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	1 1/32	1/4	1 1/32
5/64 / 2mm	M3-FLB2	M3-FLB2-SS	M3-FLB2-316SS	M3-FLB2-NP	1 1/32	1/4	1 1/32
3/32	M3-FLB2 1/2	M3-FLB2 1/2-SS	M3-FLB2 1/2-316SS	M3-FLB2 1/2-NP	1 1/32	1/4	1 1/32
1/8	M3-FLB3	M3-FLB3-SS	M3-FLB3-316SS	M3-FLB3-NP	1 1/32	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	1 1/32	1/4	7/16
.170	M3-FLB4	M3-FLB4-SS	M3-FLB4-316SS	M3-FLB4-NP	1 1/32	1/4	15/32

M3x0.5 Female Thread to Tees**879**

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	1 1/32	1/4	1 1/16
5/64 / 2mm	M3-FT2	M3-FT2-SS	M3-FT2-316SS	M3-FT2-NP	1 1/32	1/4	1 1/16
3/32	M3-FT2 1/2	M3-FT2 1/2-SS	M3-FT2 1/2-316SS	M3-FT2 1/2-NP	1 1/32	1/4	1 1/16
1/8	M3-FT3	M3-FT3-SS	M3-FT3-316SS	M3-FT3-NP	1 1/32	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	1 1/32	1/4	7/8
.170	M3-FT4	M3-FT4-SS	M3-FT4-316SS	M3-FT4-NP	1 1/32	1/4	15/16

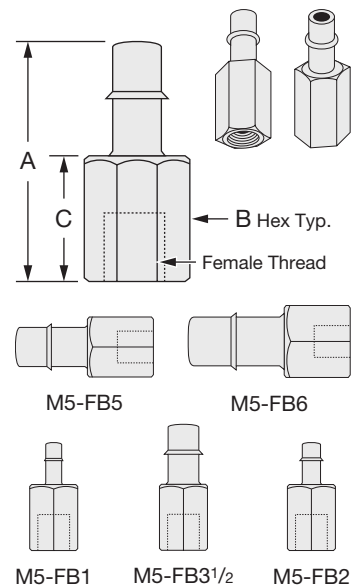
M3 Female Thread Reducing Tees also available! Consult factory for details!



880

M5x0.8 Female Thread to Tube

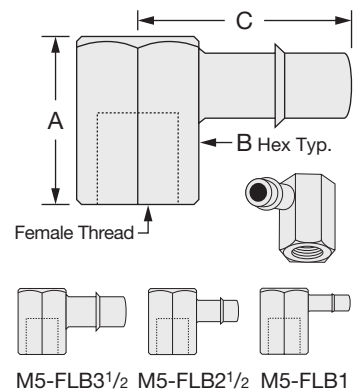
Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	M5-FB1	M5-FB1-SS	M5-FB1-316SS	M5-FB1-AL	M5-FB1-NP	9/16	1/4	11/32
5/64 / 2mm	M5-FB2	M5-FB2-SS	M5-FB2-316SS	M5-FB2-AL	M5-FB2-NP	9/16	1/4	11/32
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



881

M5x0.8 Female Thread to Tube Elbows

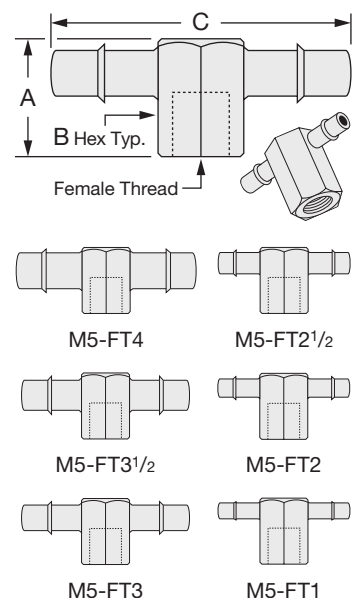
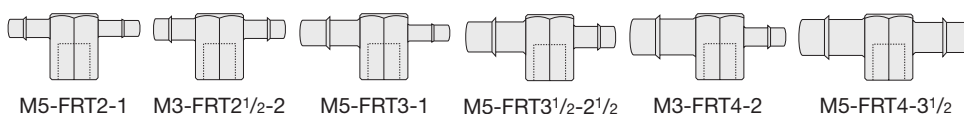
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	M5-FLB1	M5-FLB1-SS	M5-FLB1-316SS	M5-FLB1-NP	11/32	1/4	11/32
5/64 / 2mm	M5-FLB2	M5-FLB2-SS	M5-FLB2-316SS	M5-FLB2-NP	11/32	1/4	11/32
3/32	M5-FLB2 1/2	M5-FLB2 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

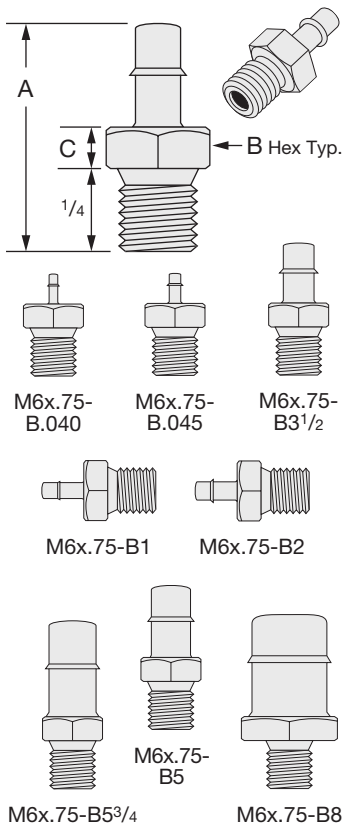


882

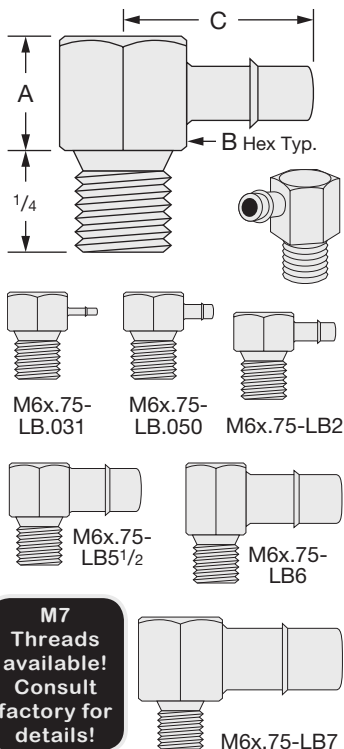
M5x0.8 Female Thread to Tube Tees

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!**

M6x0.75 Thread to Tube**883**

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**884**

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

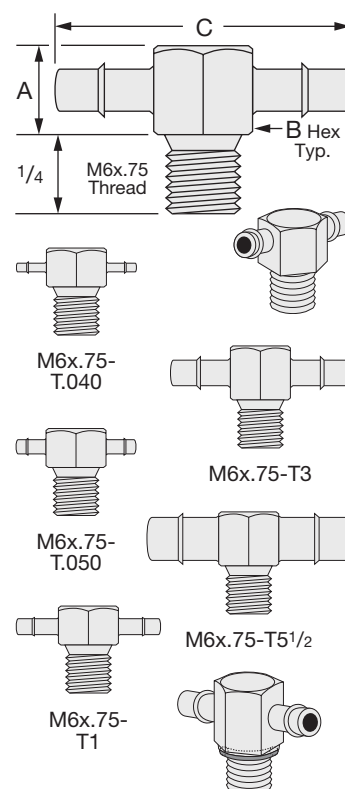
M7 Threads available! Consult factory for details!

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

885

M6x0.75 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	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

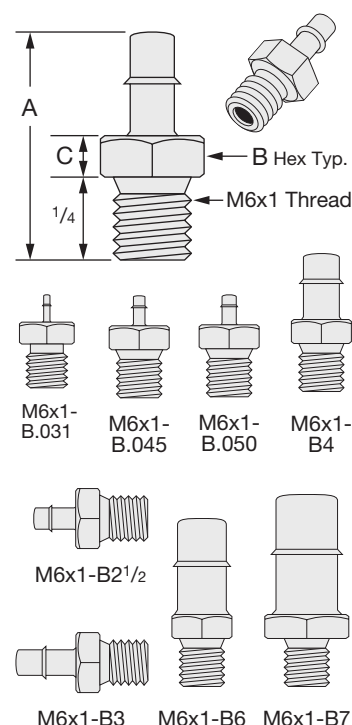


O-Ring options available!

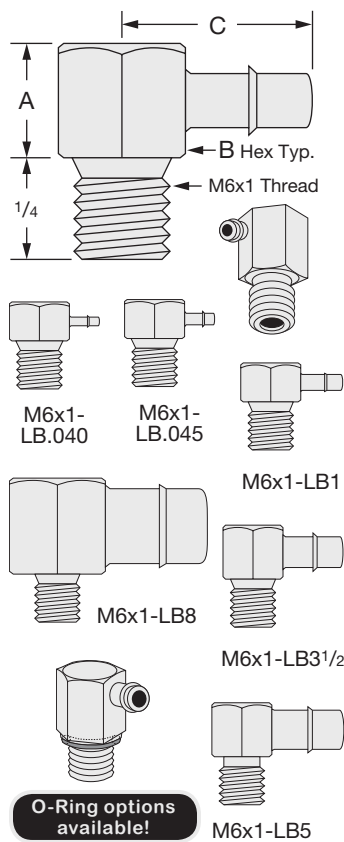
886

M6x1 Thread to Tube

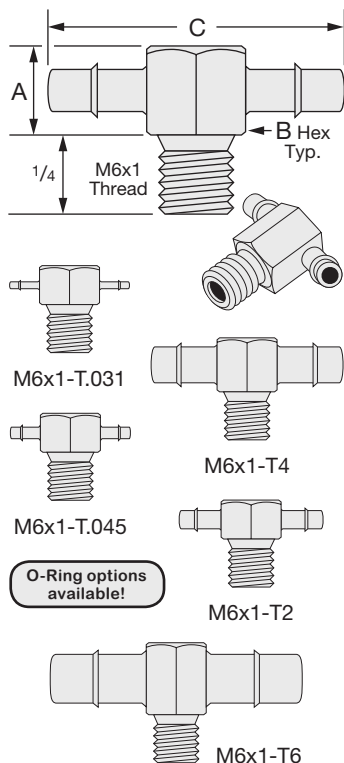
Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	M6x1-B.031	M6x1-B.031-SS	M6x1-B.031-316SS	M6x1-B.031-AL	M6x1-B.031-NP	17/32	5/16	1/8
.040 / 1mm	M6x1-B.040	M6x1-B.040-SS	M6x1-B.040-316SS	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	1 1/16	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	1 1/16	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 also available!
Consult factory for details!

L2

M6x1 Thread to Tube Elbows**887**

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**888**

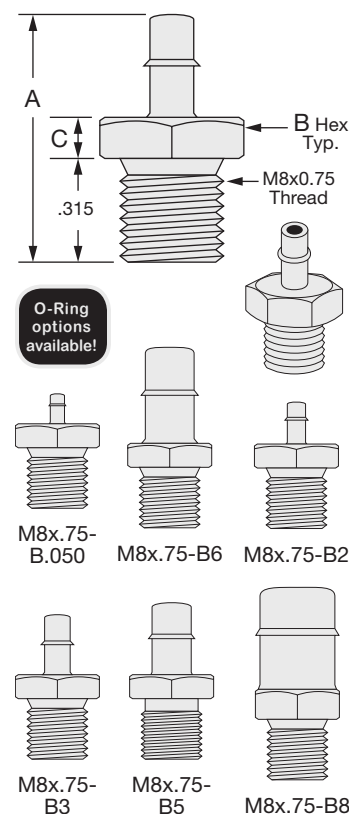
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	M6x1-T.031	M6x1-T.031-SS	M6x1-T.031-316SS	M6x1-T.031-NP	13/64	5/16	5/8
.040 / 1mm	M6x1-T.040	M6x1-T.040-SS	M6x1-T.040-316SS	M6x1-T.040-NP	13/64	5/16	5/8
3/64	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	17/16
1/4	M6x1-T6	M6x1-T6-SS	M6x1-T6-316SS	M6x1-T6-NP	5/16	7/16	17/16
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

M7 Threads also available!
Consult factory for details!

889

M8x0.75 Thread to Tube

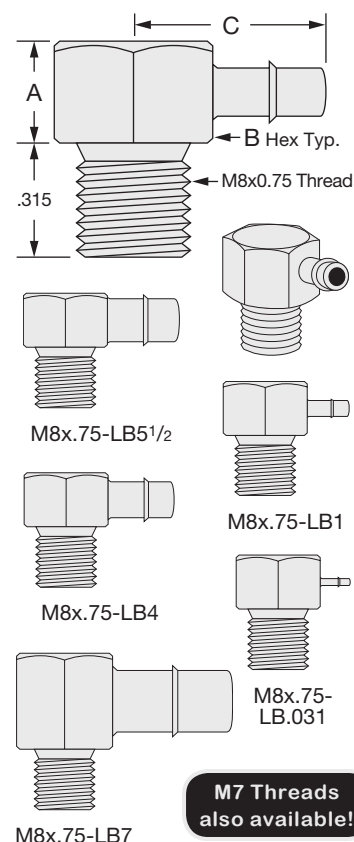
Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	M8x.75-B.031	M8x.75-B.031-SS	M8x.75-B.031-316SS	M8x.75-B.031-AL	M8x.75-B.031-NP	.569	7/16	1/8
.040 / 1mm	M8x.75-B.040	M8x.75-B.040-SS	M8x.75-B.040-316SS	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



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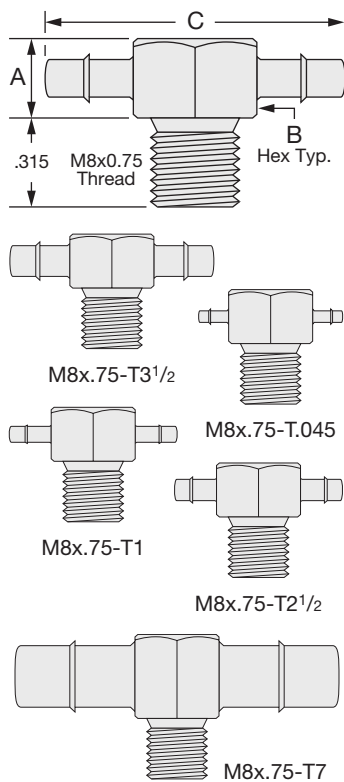
M8x0.75 Thread to Tube Elbows

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	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



M8x0.75 Thread to Tube Tees

891

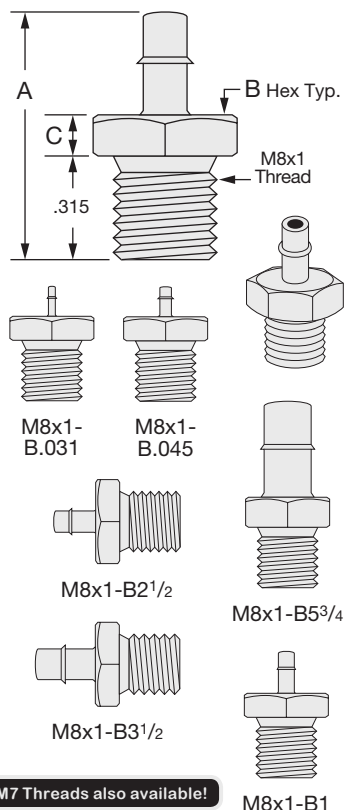


O-Ring options available!

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	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-T2 1/2	M8x.75-T2 1/2-SS	M8x.75-T2 1/2-316SS	M8x.75-T2 1/2-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-T3 1/2	M8x.75-T3 1/2-SS	M8x.75-T3 1/2-316SS	M8x.75-T3 1/2-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-T5 1/2	M8x.75-T5 1/2-SS	M8x.75-T5 1/2-316SS	M8x.75-T5 1/2-NP	9/32	7/16	1 3/16
6mm	M8x.75-T5 3/4	M8x.75-T5 3/4-SS	M8x.75-T5 3/4-316SS	M8x.75-T5 3/4-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

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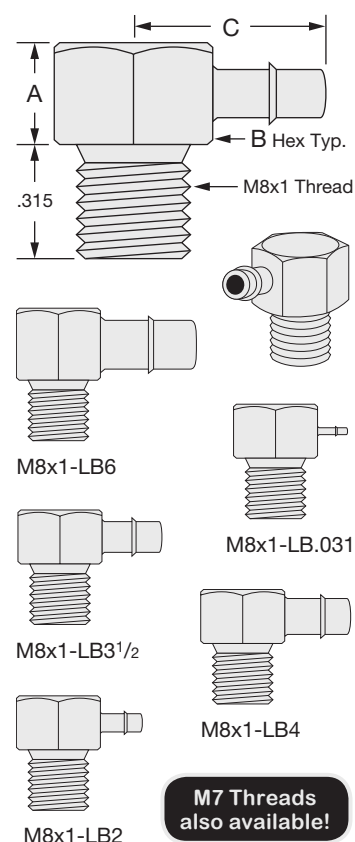
M7 Threads also available!

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-B2 1/2	M8x1-B2 1/2-SS	M8x1-B2 1/2-316SS	M8x1-B2 1/2-AL	M8x1-B2 1/2-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-B3 1/2	M8x1-B3 1/2-SS	M8x1-B3 1/2-316SS	M8x1-B3 1/2-AL	M8x1-B3 1/2-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-B5 1/2	M8x1-B5 1/2-SS	M8x1-B5 1/2-316SS	M8x1-B5 1/2-AL	M8x1-B5 1/2-NP	.815	7/16	1/8
6mm	M8x1-B5 3/4	M8x1-B5 3/4-SS	M8x1-B5 3/4-316SS	M8x1-B5 3/4-AL	M8x1-B5 3/4-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

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M8x1 Thread to Tube Elbows

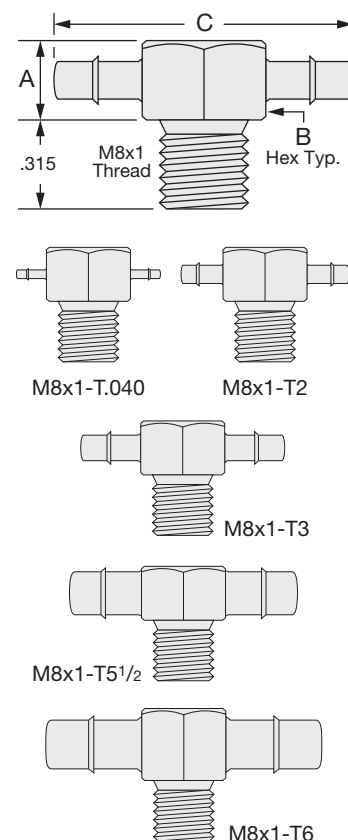
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	M8x1-LB.031	M8x1-LB.031-SS	M8x1-LB.031-316SS	M8x1-LB.031-NP	9/32	7/16	3/8
.040 / 1mm	M8x1-LB.040	M8x1-LB.040-SS	M8x1-LB.040-316SS	M8x1-LB.040-NP	9/32	7/16	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



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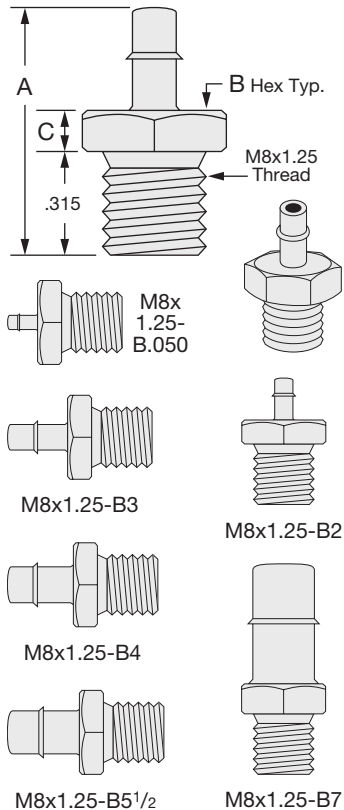
M8x1 Thread to Tube Tees

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	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



M8x1.25 Thread to Tube

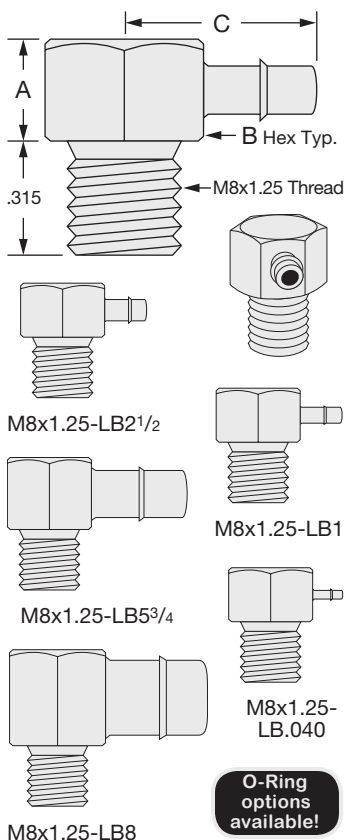
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Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	M8x1.25-B.031	M8x1.25-B.031-SS	M8x1.25-B.031-316SS	M8x1.25-B.031-AL	M8x1.25-B.031-NP	.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

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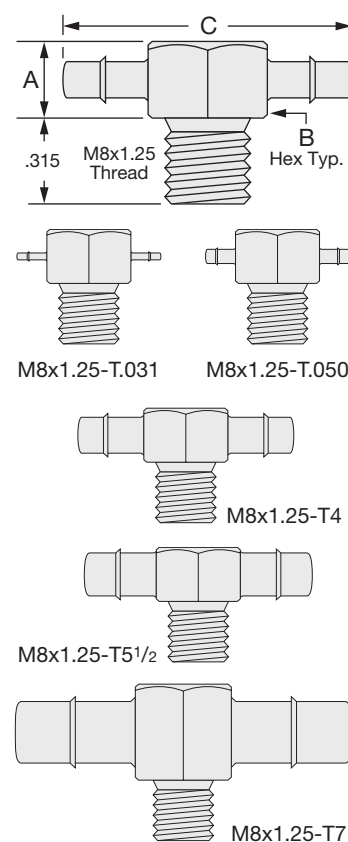


Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	M8x1.25-LB.031	M8x1.25-LB.031-SS	M8x1.25-LB.031-316SS	M8x1.25-LB.031-NP	9/32	7/16	3/8
.040 / 1mm	M8x1.25-LB.040	M8x1.25-LB.040-SS	M8x1.25-LB.040-316SS	M8x1.25-LB.040-NP	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

897

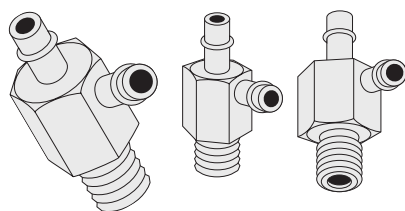
M8x1.25 Thread to Tube Tees

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	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

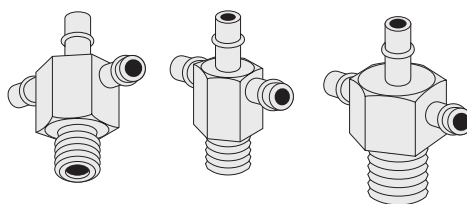


Specialty & Custom Metric Fittings Available Upon Request

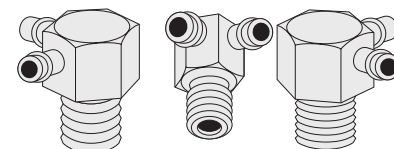
Metric Thread L-Tees



Metric Thread Tee x 3

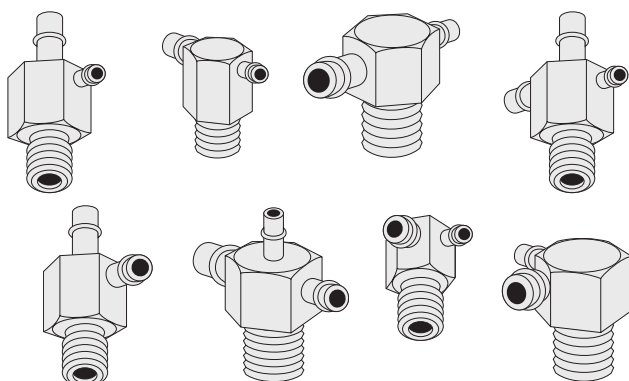


Metric Thread V-Tees

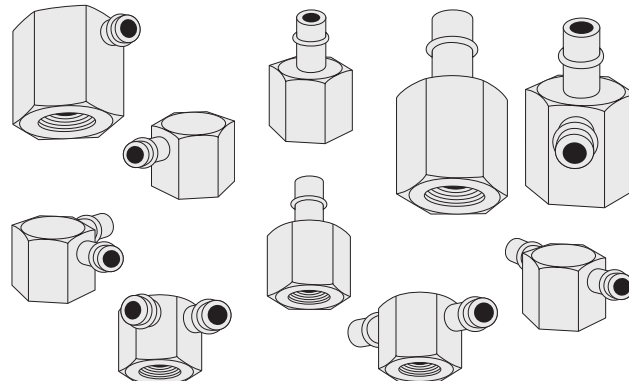


O-Ring options also available!
Material options are listed on page 65!

Metric Thread Reducing Fittings



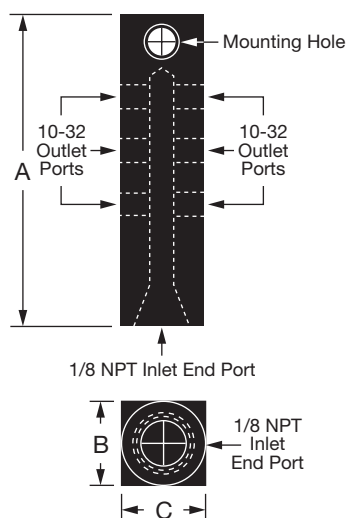
Metric Female Threaded Fittings



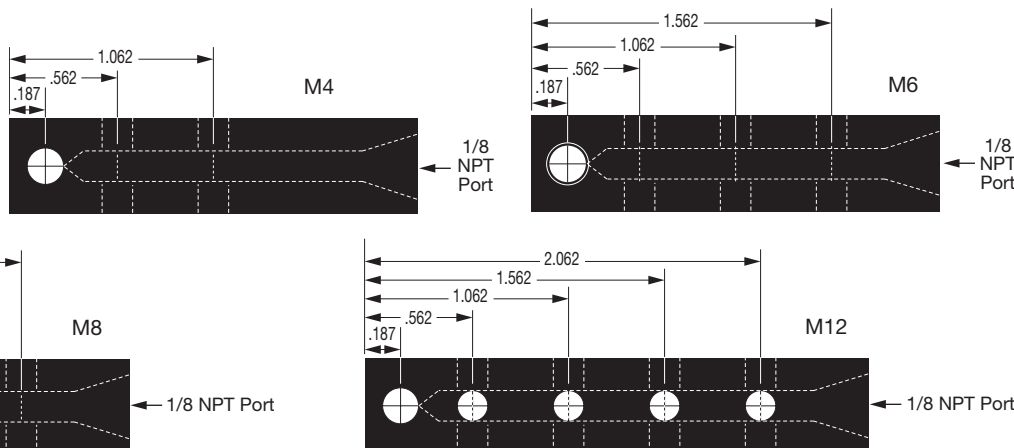
M7 Threads available! Minimum quantities & lead times may vary. Consult factory for details!

F Series 10-32 Manifolds with 1/8 NPT Inlet

898

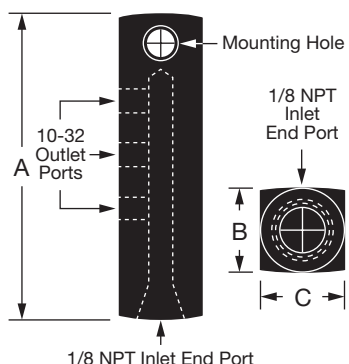


Number of Outlets	Part Numbers					Dimensions (Reference)		
	Black Anodized Aluminum	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Ref.	C Ref.
4	M4	M4-BR	M4-SS	M4-316SS	M4-NP	2 1/8	1/2	1/2
6	M6	M6-BR	M6-SS	M6-316SS	M6-NP	2 1/8	1/2	1/2
8	M8	M8-BR	M8-SS	M8-316SS	M8-NP	2 5/8	1/2	1/2
12	M12	M12-BR	M12-SS	M12-316SS	M12-NP	2 5/8	1/2	1/2

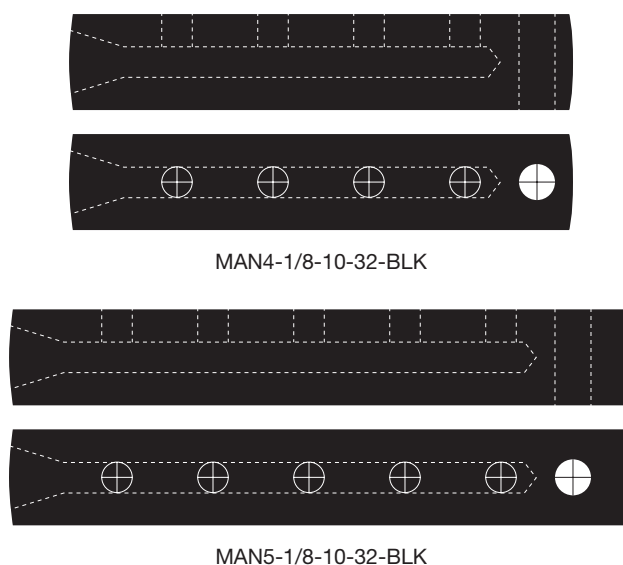
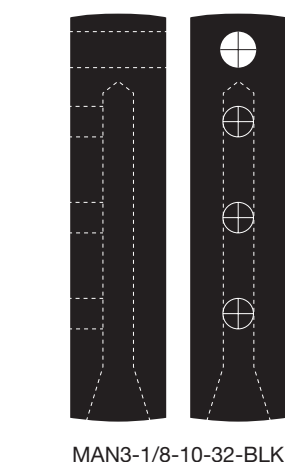


10-32 In-Line Port Manifold with 1/8 NPT One End Port & 3/16 Mounting Through Hole

899



Number of Side 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	MAN5-1/8-10-32-BR	MAN5-1/8-10-32-SS	MAN5-1/8-10-32-316SS	MAN5-1/8-10-32-NP	Consult Factory		



-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:

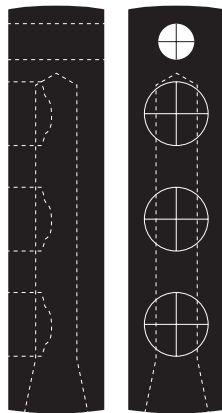
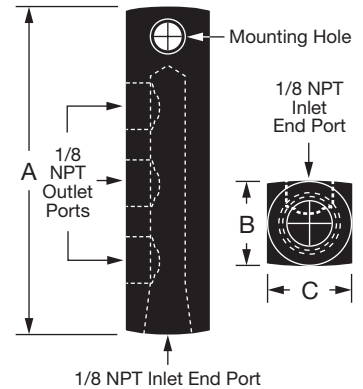
-NP = Electroless Nickel Plate
-CC = Clear Coat Anodized
-HC = Hard Coat Anodized
-BL = Blue Anodized
-R = Red Anodized

Other anodized color options also available!

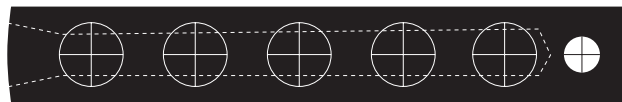
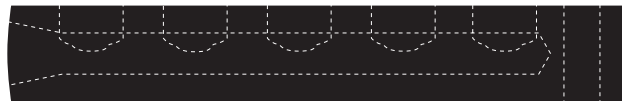
Consult factory for details!

900 1/8 NPT In-Line Port Manifold with 1/8 NPT One End Port & 3/16 Mounting Through Hole

Number of Side Ports	Part Numbers					Dimensions (Reference)		
	Black Anodized Aluminum	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	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		



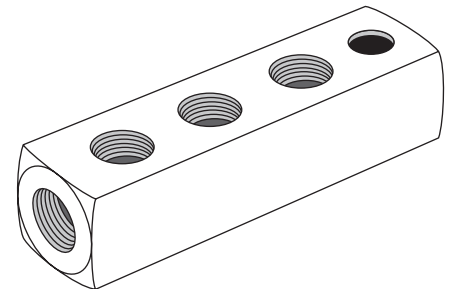
MAN3-1/8-1/8-BLK



MAN5-1/8-1/8-BLK



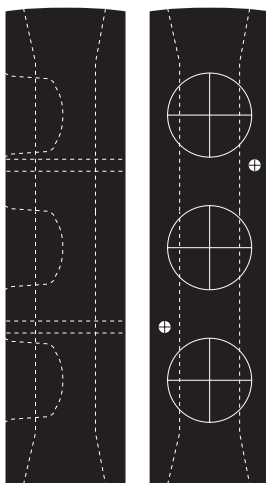
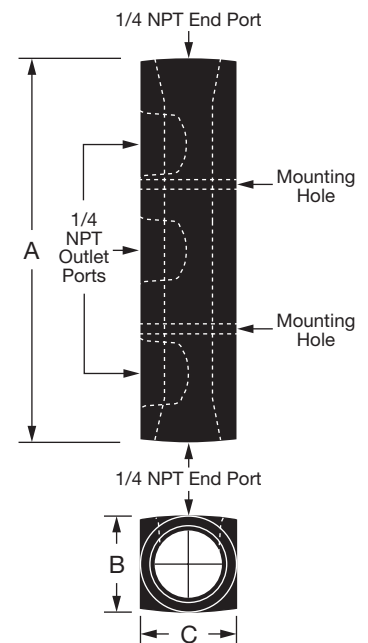
MAN4-1/8-1/8-BLK



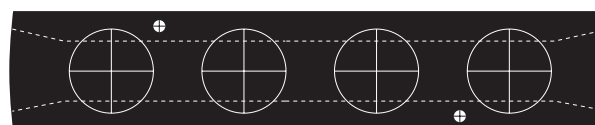
Note: Images are for visual representation only; not intended for dimensional measurements.

901 1/4 NPT In-Line Port Manifold with Two 1/4 NPT End Ports & Mounting Through Holes

Number of Side Outlets	Part Numbers					Dimensions (Reference)		
	Black Anodized Aluminum	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	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		

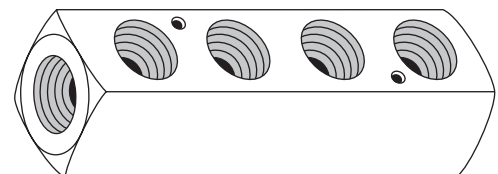


MAN3-1/4-1/4-BLK



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
902

Inlet Pipe Size	Outlet Pipe 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.	E Ref.	F Dia.
1/4	1/8	MAN2-1/4-ALN	MAN2-1/4-BR	MAN2-1/4-SS	MAN2-1/4-316SS	MAN2-1/4-NP	1 3/4	1	1	3/4	N/A	0.17
3/8	1/4	MAN2-3/8-ALN	MAN2-3/8-BR	MAN2-3/8-SS	MAN2-3/8-316SS	MAN2-3/8-NP	2 3/8	1 1/4	1 1/4	7/8	N/A	0.20
1/2	3/8	MAN2-1/2-ALN	MAN2-1/2-BR	MAN2-1/2-SS	MAN2-1/2-316SS	MAN2-1/2-NP	2 3/4	1 1/2	1 1/2	1	N/A	0.20

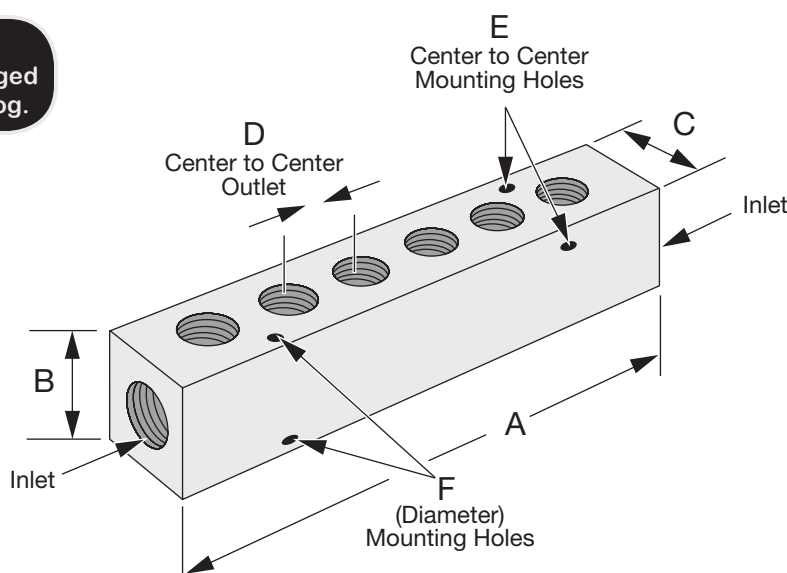
Dual Inlet Manifolds with 4 In-line Ports
903

Inlet Pipe Size	Outlet Pipe 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.	E Ref.	F Dia.
1/4	1/8	MAN4-1/4-ALN	MAN4-1/4-BR	MAN4-1/4-SS	MAN4-1/4-316SS	MAN4-1/4-NP	3 1/4	1	1	3/4	1 1/2	0.17
3/8	1/4	MAN4-3/8-ALN	MAN4-3/8-BR	MAN4-3/8-SS	MAN4-3/8-316SS	MAN4-3/8-NP	4 1/8	1 1/4	1 1/4	7/8	1 3/4	0.20
1/2	3/8	MAN4-1/2-ALN	MAN4-1/2-BR	MAN4-1/2-SS	MAN4-1/2-316SS	MAN4-1/2-NP	4 3/4	1 1/2	1 1/2	1	2	0.20

Dual Inlet Manifolds with 6 In-line Ports
904

Inlet Pipe Size	Outlet Pipe 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.	E Ref.	F Dia.
1/4	1/8	MAN6-1/4-ALN	MAN6-1/4-BR	MAN6-1/4-SS	MAN6-1/4-316SS	MAN6-1/4-NP	4 3/4	1	1	3/4	3	0.17
3/8	1/4	MAN6-3/8-ALN	MAN6-3/8-BR	MAN6-3/8-SS	MAN6-3/8-316SS	MAN6-3/8-NP	5 7/8	1 1/4	1 1/4	7/8	3 1/2	0.20
1/2	3/8	MAN6-1/2-ALN	MAN6-1/2-BR	MAN6-1/2-SS	MAN6-1/2-316SS	MAN6-1/2-NP	6 3/4	1 1/2	1 1/2	1	4	0.20

Note: These part numbers have changed since the last catalog.



Manifolds are offered a variety of materials; see next page for options. Consult factory for details!

905

Dual Inlet Manifolds with 8 In-line Ports

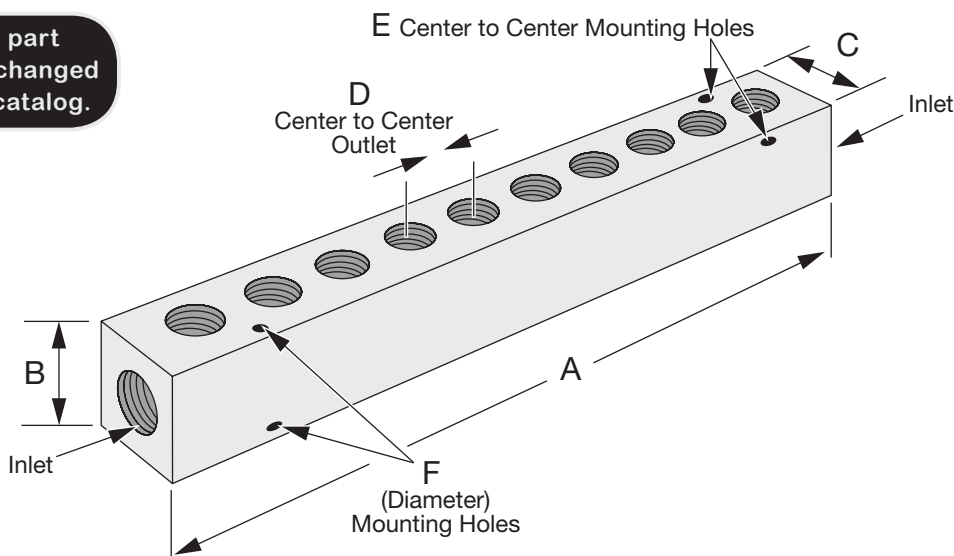
Inlet Pipe Size	Outlet Pipe Size	Part Numbers					Dimensions (Reference)					
		Black Anodized Aluminum	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Ref.	C Ref.	D Ref.	E Ref.	F Dia.
1/4	1/8	MAN8-1/4-ALN	MAN8-1/4-BR	MAN8-1/4-SS	MAN8-1/4-316SS	MAN8-1/4-NP	6 1/4	1	1	3/4	4 1/2	0.17
3/8	1/4	MAN8-3/8-ALN	MAN8-3/8-BR	MAN8-3/8-SS	MAN8-3/8-316SS	MAN8-3/8-NP	7 7/8	1 1/4	1 1/4	7/8	5 1/4	0.20
1/2	3/8	MAN8-1/2-ALN	MAN8-1/2-BR	MAN8-1/2-SS	MAN8-1/2-316SS	MAN8-1/2-NP	8 3/4	1 1/2	1 1/2	1	6	0.20

906

Dual Inlet Manifolds with 10 In-line Ports

Inlet Pipe Size	Outlet Pipe 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.	E Ref.	F Dia.
1/4	1/8	MAN10-1/4-ALN	MAN10-1/4-BR	MAN10-1/4-SS	MAN10-1/4-316SS	MAN10-1/4-NP	7 3/4	1	1	3/4	6	0.17
3/8	1/4	MAN10-3/8-ALN	MAN10-3/8-BR	MAN10-3/8-SS	MAN10-3/8-316SS	MAN10-3/8-NP	9 3/8	1 1/4	1 1/4	7/8	7	0.20
1/2	3/8	MAN10-1/2-ALN	MAN10-1/2-BR	MAN10-1/2-SS	MAN10-1/2-316SS	MAN10-1/2-NP	10 3/4	1 1/2	1 1/2	1	8	0.20

Note: These part numbers have changed since the last catalog.



Manifolds Material Options

Material Code	Manifold Material	Temperature Range	Pressure Max PSI	Material Code	Manifold Material	Temperature Range	Pressure Max PSI	Material Code	Manifold Material	Temperature Range	Pressure Max PSI
ACN-150	Delrin Natural	-20° to +180°F	200	PVD	PVDF Kynar®	-65° to +230°F	150	BR	360 Brass	-60° to +250°F	2,000
ACB	Delrin Black	-20° to +180°F	200	PVG	PVC Gray	+32° to +140°F	150	NP	Electroless Nickel Plate	-65° to +250°F	2,000
NYL	Nylon	-60° to +100°F	200	PWF	PVC White	+32° to +140°F	150	SS303	303 Stainless Steel	-100° to +500°F	3,500
P	Polypropylene	+32° to +230°F	150	TEF	PTFE Teflon®	-20° to +180°F	120	SS304	304 Stainless Steel	-100° to +500°F	3,500
PLY	Polypropylene Black	+32° to +230°F	150	ALN	Aluminum (6061 Black Anodized)	-10° to +200°F	1,000	SS316	316 Stainless Steel	-100° to +500°F	3,500
				AL	Aluminum (Natural Silver)	-10° to +200°F	1,000				

How to Order:

MAN

2

-

1/2

-

1/8

-

PVG

Part No. Prefix # of Outlets

Inlet Thread Size

Outlet Thread Size

Manifold Material

Note: The outlet thread number is omitted if it is one size smaller than the inlet thread size.

M2

Block Terminal Manifolds

907

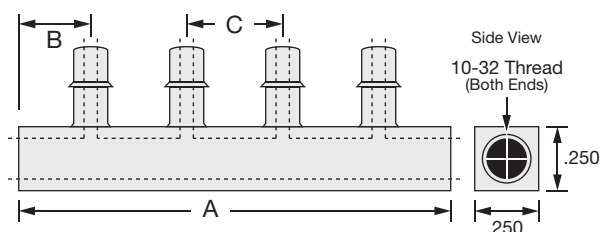
Number of Terminals	Dimensions (Reference)		
	A Ref.	B Ref.	C Ref.
2	.940	.281	.375
4	1.687	.281	.375
6	2.437	.281	.375

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



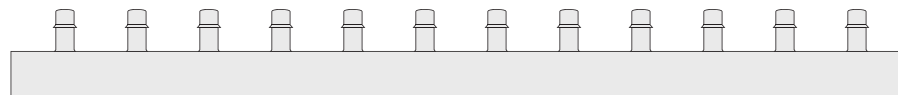
Part Numbers for Block Terminal Manifolds:

Fitting Series → **BTM** - # - ## ← Number of Branches

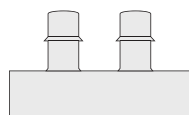
Branch Number

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

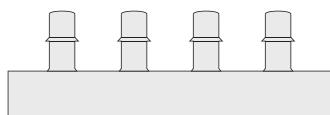
Both ends are used as the air supply! One end may be used as the air supply while the other is plugged. Consult factory for details!



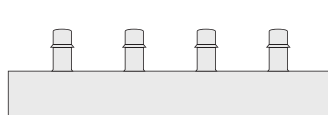
BTM-2-12



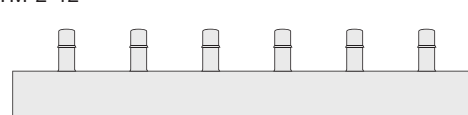
BTM-3 1/2-02



BTM-3-04



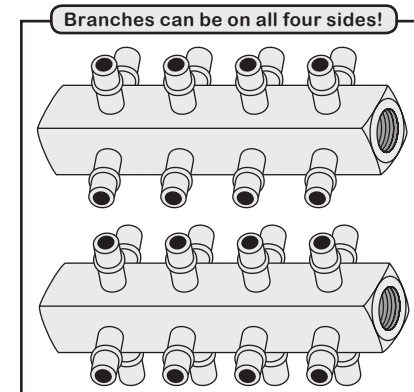
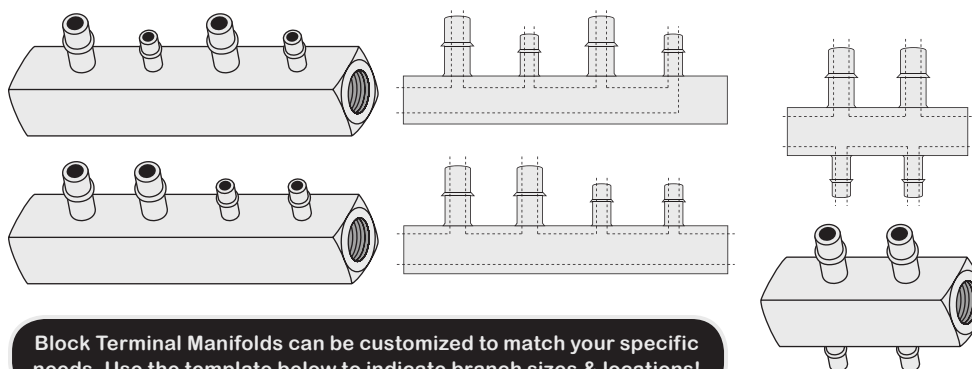
BTM-2-04



BTM-1-06

Mixed Branch Block Terminal Manifolds

908



Block Terminal Manifolds can be customized to match your specific needs. Use the template below to indicate branch sizes & locations!

Mixed Branch Block Terminal Manifold Template for Branch Sizes and Locations

To Use:

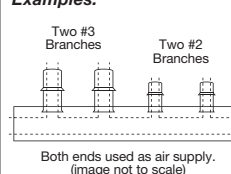
Indicate the desired location of each branch by writing the numbers 1 through 12 (1 = 1st Branch, etc.) on the hex diagram below. Mark the coordinating Branch Number (size) in the chart below. Reference the tables above on for Branch Numbers and Tube ID's. Indicate which end(s) are to be used for the 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.

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) = _____

Consult factory for details!

Examples:



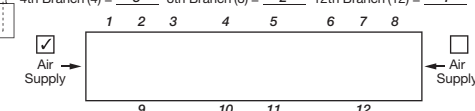
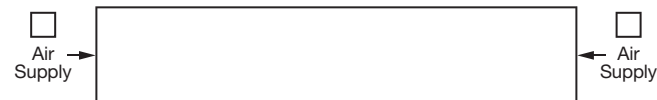
Branch Numbers:

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



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

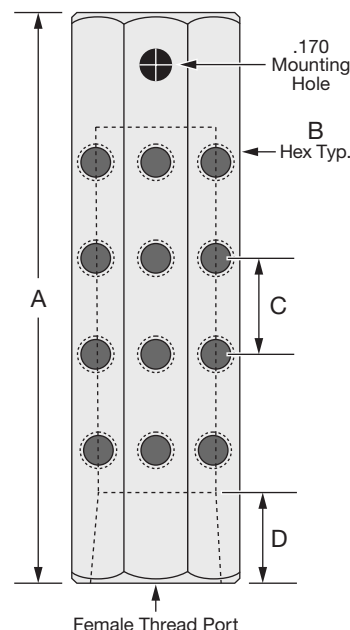
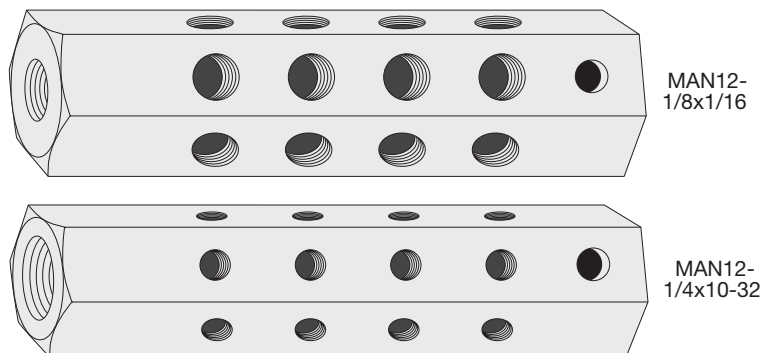


909

In-line Manifolds with 12 Ports and Hex Bodies

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.
1/8	1/16	MAN12-1/8x1/16-ALN	MAN12-1/8x1/16-BR	MAN12-1/8x1/16-SS	MAN12-1/8x1/16-316SS	MAN12-1/8x1/16-NP	3.00	3/4	1/2	1/2
1/4	10-32	MAN12-1/4x10-32-ALN	MAN12-1/4x10-32-BR	MAN12-1/4x10-32-SS	MAN12-1/4x10-32-316SS	MAN12-1/4x10-32-NP	3.00	11/16	1/2	1/2
1/4	1/16	MAN12-1/4x1/16-ALN	MAN12-1/4x1/16-BR	MAN12-1/4x1/16-SS	MAN12-1/4x1/16-316SS	MAN12-1/4x1/16-NP	3.00	3/4	1/2	1/2
1/4	1/8	MAN12-1/4x1/8-ALN	MAN12-1/4x1/8-BR	MAN12-1/4x1/8-SS	MAN12-1/4x1/8-316SS	MAN12-1/4x1/8-NP	3.50	7/8	5/8	5/8

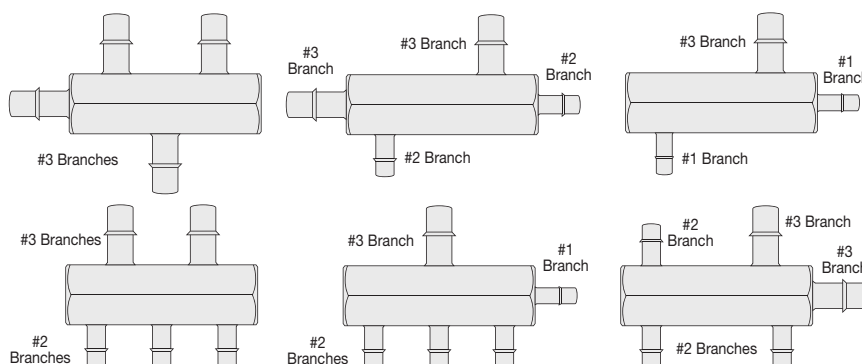
Anodized Aluminum Manifolds can also be Nickel Plated, Clear Coat Anodized, or Hard Coat Anodized! Anodized color options listed on page 491! Minimum quantities & lead times apply!



910

Tube to Tube Mixed Branch Manifolds with Hex Bodies

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 available! Consult factory for details!

Mixed Branch Manifold with Hex Bodies Template for Branch Sizes and Locations

To Use:

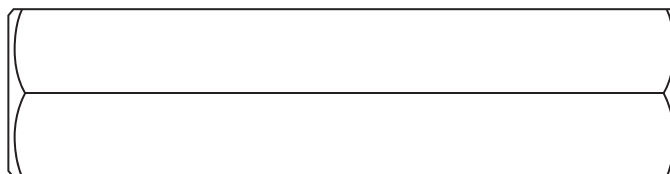
Indicate the desired location of each branch by writing the numbers 1 through 12 (1 = 1st Branch, etc.) on the hex diagram below. Mark the coordinating Branch Number (size) in the chart below. Mark the desired Thread Size in the area provided on the diagram. Reference tables on pages 494 for Branch Numbers and Tube ID's. Upon receipt of this template, a part number* will be issued. Note: The manifold body length, hex dimension, and number of branches that will fit on the manifold will vary depending on the branch sizes desired. The number of branches, depending on size and location, are not limited to 12.

Branch Numbers:

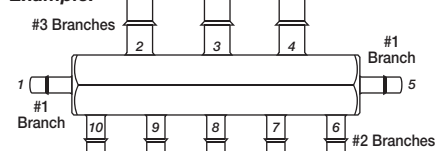
1st Branch (1) = _____ 7th Branch (7) = _____
 2nd Branch (2) = _____ 8th Branch (8) = _____
 3rd Branch (3) = _____ 9th Branch (9) = _____
 4th Branch (4) = _____ 10th Branch (10) = _____
 5th Branch (5) = _____ 11th Branch (11) = _____
 6th Branch (6) = _____ 12th Branch (12) = _____

Consult factory for details!

*Part numbers will vary depending on branch configuration.

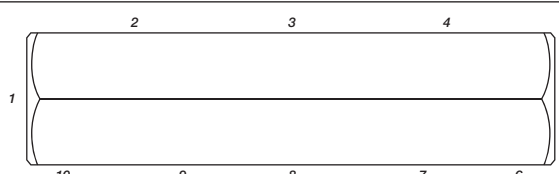


Example:



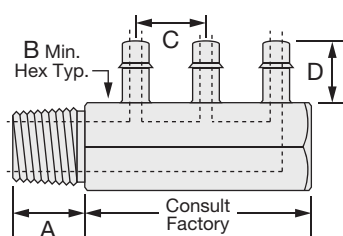
Branch Numbers:

1st Branch (1) = 1 7th Branch (7) = 2
 2nd Branch (2) = 3 8th Branch (8) = 2
 3rd Branch (3) = 3 9th Branch (9) = 2
 4th Branch (4) = 3 10th Branch (10) = 2
 5th Branch (5) = 1 11th Branch (11) = n/a
 6th Branch (6) = 2 12th Branch (12) = n/a



Male Pipe Thread Manifold Fittings

911

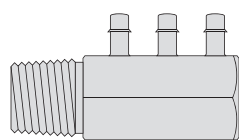


Number of branches/ports vary depending on branch size. Body Length will vary depending on number of branches.

Example Part Number:

1/8M-2x3-NP

1/8 NPT Male Pipe Thread
Three #2 Branches (2mm Tube ID)
Material: Electroless Nickel Plate



Thread Size	Dimensions (Reference)	
	A Ref.	B Typ.
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		Dimensions (Reference)		# of Port Options
Tube ID	Branch #	C Ref.	D Ref.	
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

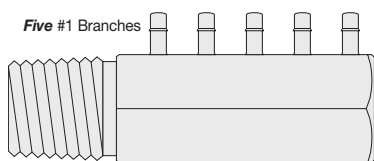
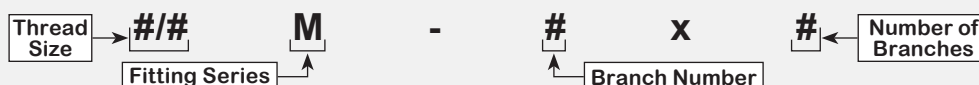
Larger Tube ID Branches available! Consult factory!

Material options below!

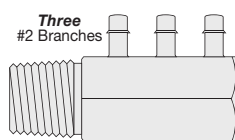
To simplify part numbers, these numbers have changed since previous catalog.

Branches		Dimensions (Reference)		# of Port Options
Tube ID	Branch #	C Ref.	D Ref.	
.170	4	3/8	11/32	6
3/16	5	Consult Factory	3/8	6
7/32	5 1/2	Consult Factory	3/8	6
6mm	5 3/4	Consult Factory	1/2	6
1/4	6	Consult Factory	1/2	6

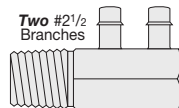
Part Numbers for Male Pipe Thread Manifold Fittings:



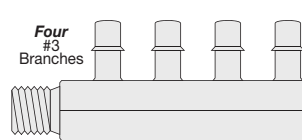
1/4M-1x5



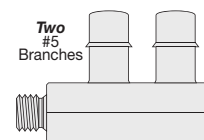
1/8M-2x3



1/16M-2 1/2x2



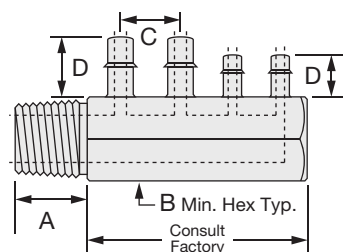
4-28M-3x4



10-32M-5x2

Male Pipe Thread Mixed Branch Manifold Fittings

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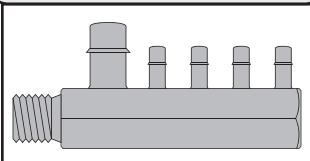
Number of branches/ports vary depending on Tube ID size. Body Length will vary depending on number of branches.

Use the template on page 497 to indicate branch sizes and placement!

Example Part Number:

4-28MM-4x1-1x4-SS

1/4-28 Male Pipe Thread
One #3 Branch (.170 Tube ID)
Four #1 Branches (1/16 Tube ID)
Material: Stainless Steel 303

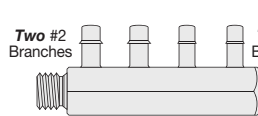


Thread Size	Dimensions (Reference)	
	A Ref.	B Typ.
10-32	5/32	1/4
1/4-28 (4-28)	1/4	5/16
1/16	1/3	3/8
1/8	3/8	9/16
1/4	9/16	11/16
3/8	1/2	13/16
1/2	11/16	1

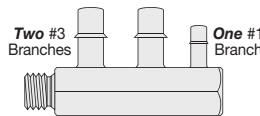
Branches		Dimensions (Reference)		# of Port Options
Tube ID	Branch #	C Ref.	D Ref.	
1/16	1	Consult Factory	7/32	Consult Factory
5/64 / 2mm	2	Consult Factory	7/32	Consult Factory
3/32	2 1/2	Consult Factory	7/32	Consult Factory
1/8	3	Consult Factory	5/16	Consult Factory
5/32 / 4mm	3 1/2	Consult Factory	5/16	Consult Factory

Fitting Series Code = MM

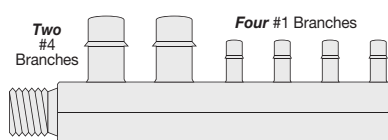
Numerous ports & branch sizes on one Manifold!



10-32MM-2x2-1x2

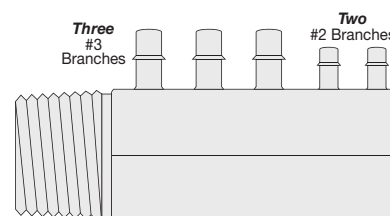


10-32MM-3x2-1x1



4-28MM-4x2-1x4

O-Ring options available!



3/8MM-3x3-2x2

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 part number:
-SS = Stainless Steel 303
-316SS = Stainless Steel 316
-NP = Electroless Nickel Plate

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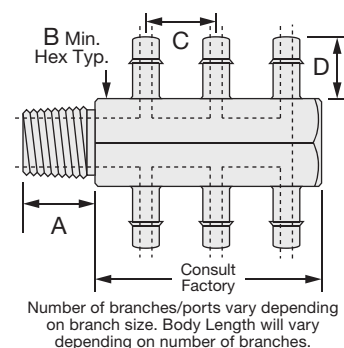
Male Pipe Thread Tee Manifold Fittings

Thread Size	Dimensions (Reference)		Branches		Dimensions (Reference)		# of Port Options
	A Ref.	B Typ.	Tube ID	Branch #	C Ref.	D Ref.	
10-32	5/32	1/4	1/16	1	1/4	7/32	9
1/4-28 (4-28)	1/4	5/16	5/64 / 2mm	2	1/4	7/32	9
1/16	1/3	3/8	3/32	2 1/2	1/4	7/32	8
1/8	3/8	9/16	1/8	3	5/16	5/16	8
1/4	9/16	1 1/16	5/32 / 4mm	3 1/2	5/16	5/16	6
3/8	1/2	1 3/16					
1/2	1 1/16	1					

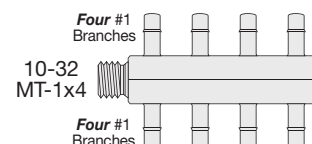
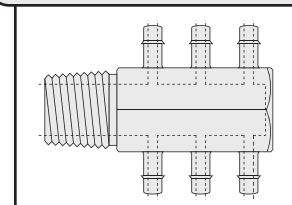
Thread Size	Dimensions (Reference)		Branches		Dimensions (Reference)		# of Port Options
	A Ref.	B Typ.	Tube ID	Branch #	C Ref.	D Ref.	
.170			4		3/8	1 1/32	6
3/16			5		Consult Factory	3/8	6
7/32			5 1/2		Consult Factory	3/8	6
6mm			5 3/4		Consult Factory	1/2	6
1/4			6		Consult Factory	1/2	6

Larger Tube ID Branches available! Consult factory!

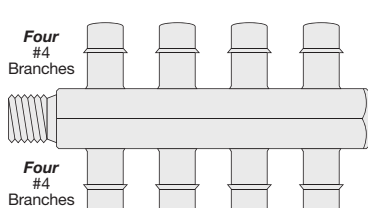
Material options are listed on previous page!



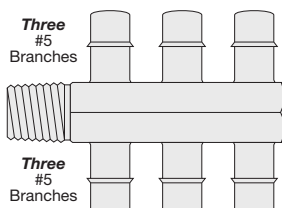
Example Part Number:
1/8MT-2x3
1/8 NPT Male Pipe Thread
Three #2 Branches (2mm Tube ID)
on each side; Material: Brass



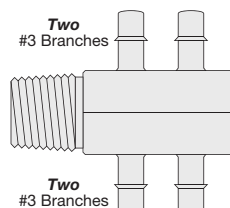
Thread Size	#/#	MT	-	#	X	#	Number of Branches
		Fitting Series		Branch Number			



4-28MT-4x4



1/16MT-5x3



1/8MT-3x2

914

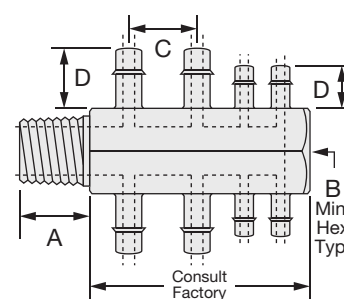
Male Pipe Thread Mixed Branch Tee Manifold Fittings

Thread Size	Dimensions (Reference)		Branches		Dimensions (Reference)		# of Port Options
	A Ref.	B Typ.	Tube ID	Branch #	C Ref.	D Ref.	
10-32	5/32	1/4	1/16	1	Consult Factory	7/32	Consult Factory
1/4-28 (4-28)	1/4	5/16	5/64 / 2mm	2	Consult Factory	7/32	Consult Factory
1/16	1/3	3/8	3/32	2 1/2	Consult Factory	7/32	Consult Factory
1/8	3/8	9/16	1/8	3	Consult Factory	5/16	Consult Factory
1/4	9/16	1 1/16	5/32 / 4mm	3 1/2	Consult Factory	5/16	Consult Factory
3/8	1/2	1 3/16					
1/2	1 1/16	1					

Thread Size	Dimensions (Reference)		Branches		Dimensions (Reference)		# of Port Options
	A Ref.	B Typ.	Tube ID	Branch #	C Ref.	D Ref.	
.170			4		Consult Factory	1 1/32	Consult Factory
3/16			5		Consult Factory	3/8	Consult Factory
7/32			5 1/2		Consult Factory	3/8	Consult Factory
6mm			5 3/4		Consult Factory	1/2	Consult Factory
1/4			6		Consult Factory	1/2	Consult Factory

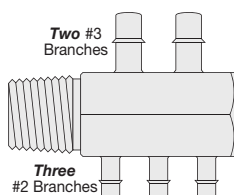
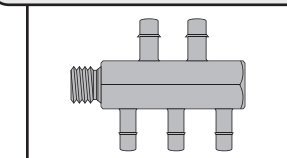
Material options are listed on previous page!

Fitting Series Code = MMT

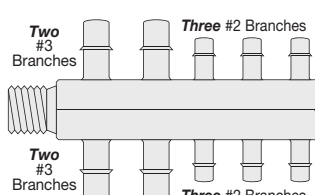


Use the template on page 497 to indicate branch sizes and placement!

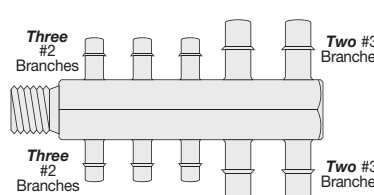
Example Part Number:
10-32MMT-2x2-1x3-316SS
10-32 Male Pipe Thread; Each side:
Two #2 Branches (2mm Tube ID)
Three #1 Branches (1/16 Tube ID)
Material: Stainless Steel 316



1/8MMT-3x2-2x3



4-28MMT-3x2-2x3-3x2-2x3



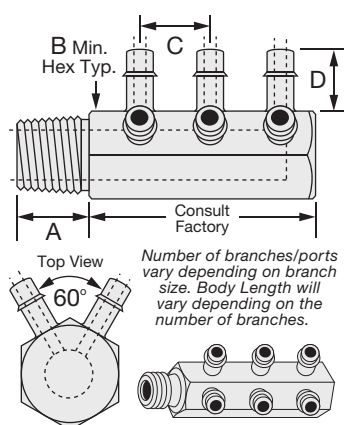
4-28MMT-2x3-3x2-2x3-3x2

Branches can be arranged in a variety of size combinations and locations to accommodate specific requirements.

Numerous ports & branch sizes on one Manifold!

Male Pipe Thread V-Tee Manifold Fittings

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Thread Size	Dimensions (Reference)	
	A Ref.	B Typ.
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	1 1/16
3/8	1/2	1 3/16
1/2	1 1/16	1

Branches		Dimensions (Reference)		# of Port Options (ea. side)
Tube ID	Branch #	C Ref.	D Ref.	
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		Dimensions (Reference)		# of Port Options (ea. side)
Tube ID	Branch #	C Ref.	D Ref.	
.170	4	3/8	1 1/32	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	Consult Factory	1/2	6

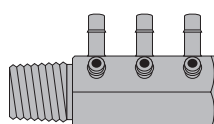
Branches with larger Tube ID's are available! Consult factory for details!

Male V-Tee Manifolds with 120° branches also available! Consult factory for details!

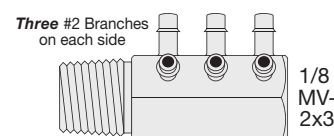
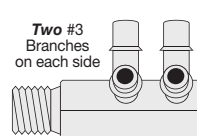
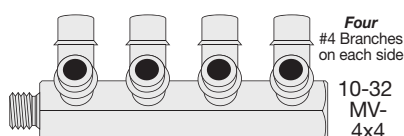
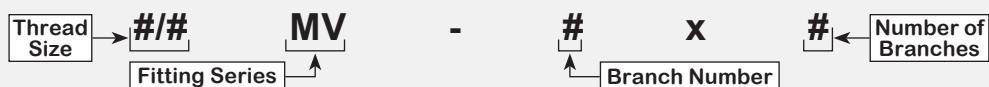
Example Part Number:

1/16MV-1x3-316SS

1/16 NPT Male Pipe Thread
Three #1 Branches on each side
(branches at 60° angle; 1/16 Tube ID)
Material: 316 Stainless Steel



Part Numbers for Male Pipe Thread Manifold Fittings:

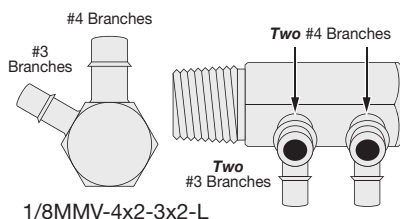


Unless otherwise specified, parts will be Brass. To order other materials, please add the following codes to the part number:
-SS = Stainless Steel 303 **-316SS = Stainless Steel 316** **-NP = Electroless Nickel Plate**

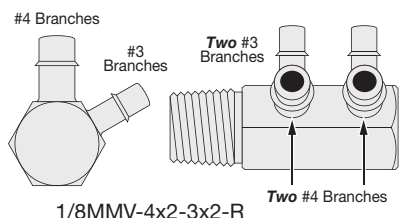
Male Pipe Thread Mixed Branch V-Tee Manifold Options

Fitting Series Code = **MMV**

V-Tee Manifolds available with 120° branches!

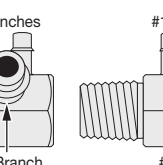
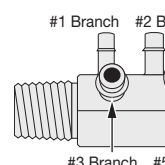
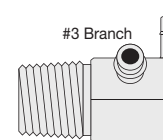
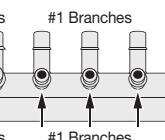
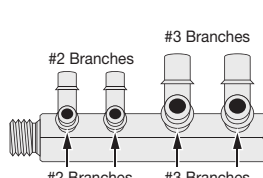
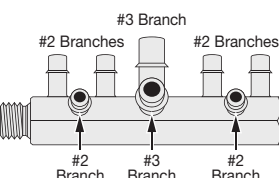
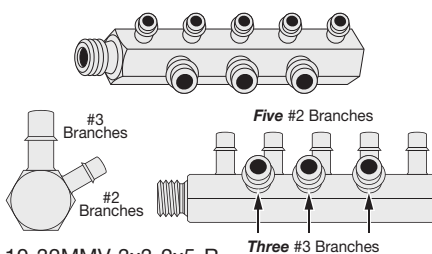
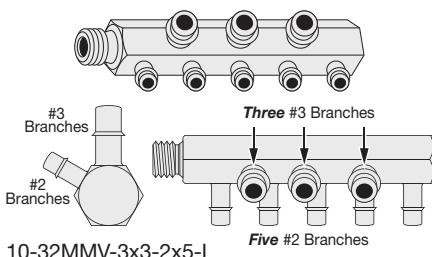


Left Branch V-Tee Manifolds have the 2nd set of branches 60° to the left (top view).



Right Branch V-Tee Manifolds have the 2nd set branches 60° to the right (top view).

Consult factory for details!!



Use the template on page 497 to indicate branch sizes & locations!

Branches can be arranged to accommodate specific requirements!

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

To Use:

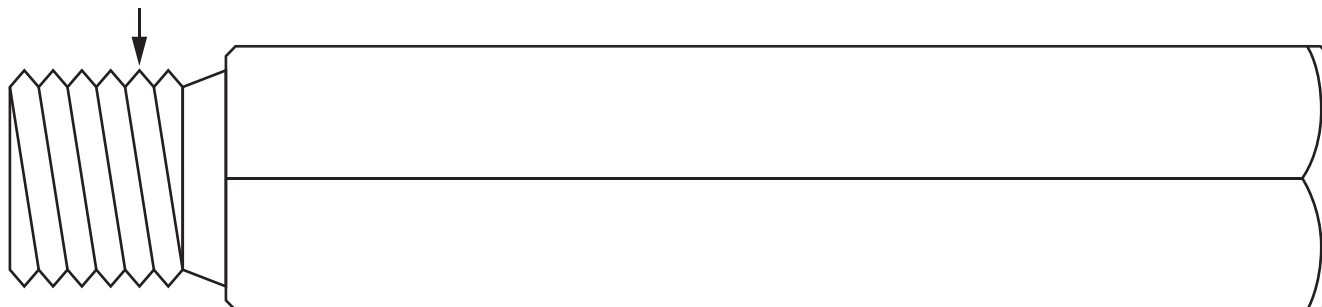
Mixed Branch Manifold Template for Branch Sizes and Locations

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 will 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) = _____

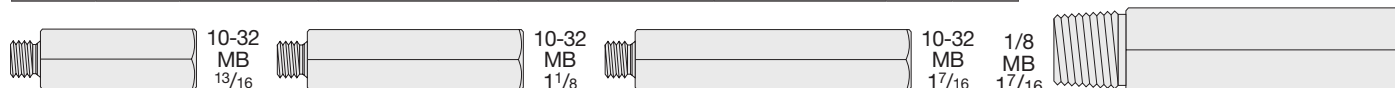
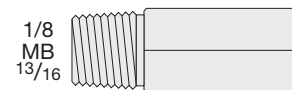
Examples:

Thread Size = <u>4-28</u> Branch Numbers: 1st Branch (1) = <u>3</u> 4th Branch (4) = <u>1</u> 7th Branch (7) = <u>n/a</u> 2nd Branch (2) = <u>1</u> 5th Branch (5) = <u>1</u> 8th Branch (8) = <u>n/a</u> 3rd Branch (3) = <u>1</u> 6th Branch (6) = <u>n/a</u> 9th Branch (9) = <u>n/a</u> 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 = <u>10-32</u> Branch Numbers: 1st Branch (1) = <u>2</u> 4th Branch (4) = <u>1</u> 7th Branch (7) = <u>n/a</u> 2nd Branch (2) = <u>2</u> 5th Branch (5) = <u>1</u> 8th Branch (8) = <u>n/a</u> 3rd Branch (3) = <u>1</u> 6th Branch (6) = <u>n/a</u> 9th Branch (9) = <u>n/a</u> 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 = <u>1/8</u> Branch Numbers: 1st Branch (1) = <u>4</u> 4th Branch (4) = <u>3</u> 7th Branch (7) = <u>n/a</u> 2nd Branch (2) = <u>4</u> 5th Branch (5) = <u>n/a</u> 8th Branch (8) = <u>n/a</u> 3rd Branch (3) = <u>3</u> 6th Branch (6) = <u>n/a</u> 9th Branch (9) = <u>n/a</u> 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) (see sample image on page 496!)
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916

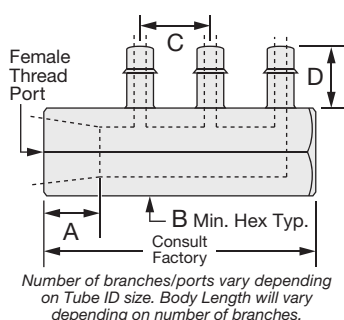
Male Pipe Thread Manifold Blanks

Thread	Body Length	Part Numbers				Dimensions (Reference)	
		Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.
10-32	13 ¹ / ₁₆	10-32MB13/16	10-32MB13/16-SS	10-32MB13/16-SS316	10-32MB13/16-NP	5 ³ / ₃₂	5 ¹ / ₁₆
10-32	1 ¹ / ₈	10-32MB1 ¹ / ₈	10-32MB1 ¹ / ₈ -SS	10-32MB1 ¹ / ₈ -SS316	10-32MB1 ¹ / ₈ -NP	5 ³ / ₃₂	5 ¹ / ₁₆
10-32	17 ¹ / ₁₆	10-32MB17/16	10-32MB17/16-SS	10-32MB17/16-SS316	10-32MB17/16-NP	5 ³ / ₃₂	5 ¹ / ₁₆
1/8	13 ¹ / ₁₆	1/8MB13/16	1/8MB13/16-SS	1/8MB13/16-SS316	1/8MB13/16-NP	3 ³ / ₈	7 ¹ / ₁₆
1/8	1 ¹ / ₈	1/8MB1 ¹ / ₈	1/8MB1 ¹ / ₈ -SS	1/8MB1 ¹ / ₈ -SS316	1/8MB1 ¹ / ₈ -NP	3 ³ / ₈	7 ¹ / ₁₆
1/8	17 ¹ / ₁₆	1/8MB17/16	1/8MB17/16-SS	1/8MB17/16-SS316	1/8MB17/16-NP	3 ³ / ₈	7 ¹ / ₁₆

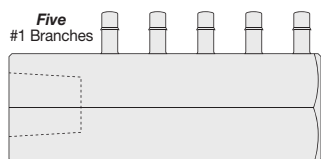
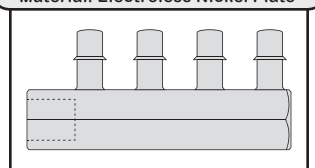


Female Pipe Thread Manifold Fittings

917



Example Part Number:
4-28FM-3x4-NP
1/4-28 Female Pipe Thread
Four #3 Branches/Ports (1/8 Tube ID)
Material: Electroless Nickel Plate



1/8FM-1x5

Thread Size	Dimensions (Reference)	
	A Ref.	B Typ.
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

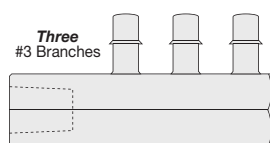
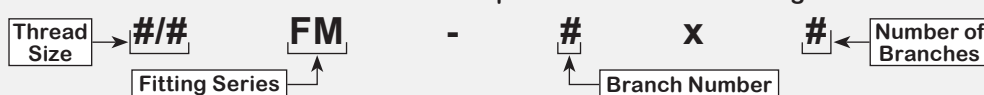
Branches		Dimensions (Reference)		# of Port Options
Tube ID	Branch #	C Ref.	D Ref.	
1/16	1	1/4	7/32	9
5/64 / 2mm	2	1/4	7/32	9
3/32	2 1/2	1/4	7/32	8
1/8	3	5/16	5/16	8
5/32 / 4mm	3 1/2	5/16	5/16	6

Branches		Dimensions (Reference)		# of Port Options
Tube ID	Branch #	C Ref.	D Ref.	
.170	4	3/8	11/32	6
3/16	5	Consult Factory	3/8	6
7/32	5 1/2	Consult Factory	3/8	6
6mm	5 3/4	Consult Factory	1/2	6
1/4	6	Consult Factory	1/2	6

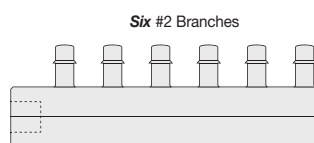
Larger Tube ID Branches available!
Consult factory for details!

Material options are listed below!

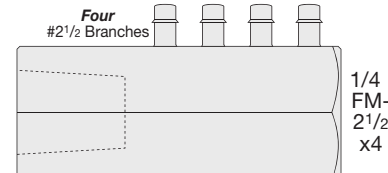
Part Numbers for Female Pipe Thread Manifold Fittings:



1/16FM-3x3

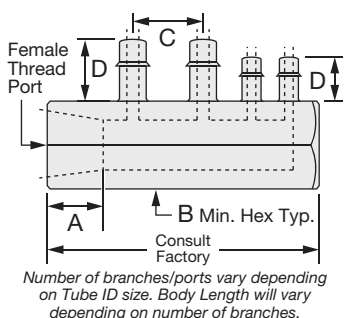


10-32FM-2x4



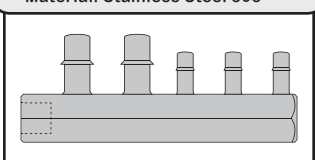
Female Pipe Thread Mixed Branch Manifold Fittings

918



Use the template on page 501 to indicate branch size and placement!

Example Part Number:
10-32FMM-3x2-1x3-SS
10-32 Male Pipe Thread
Two #3 Branch (.170 Tube ID)
Three #1 Branches (1/16 Tube ID)
Material: Stainless Steel 303



Thread Size	Dimensions (Reference)	
	A Ref.	B Typ.
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

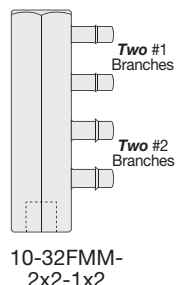
Branches		Dimensions (Reference)		# of Port Options
Tube ID	Branch #	C Ref.	D Ref.	
1/16	1	Consult Factory	7/32	Consult Factory
5/64 / 2mm	2	Consult Factory	7/32	Consult Factory
3/32	2 1/2	Consult Factory	7/32	Consult Factory
1/8	3	Consult Factory	5/16	Consult Factory
5/32 / 4mm	3 1/2	Consult Factory	5/16	Consult Factory

Branches		Dimensions (Reference)		# of Port Options
Tube ID	Branch #	C Ref.	D Ref.	
.170	4	Consult Factory	11/32	Consult Factory
3/16	5	Consult Factory	3/8	Consult Factory
7/32	5 1/2	Consult Factory	3/8	Consult Factory
6mm	5 3/4	Consult Factory	1/2	Consult Factory
1/4	6	Consult Factory	1/2	Consult Factory

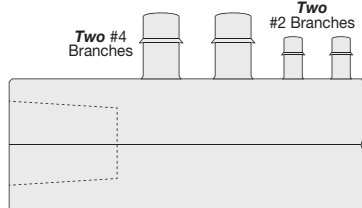
Fitting Series Code = FMM

Numerous ports & branch sizes on one Manifold!

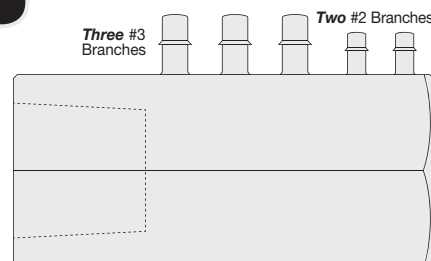
To simplify part numbers, these numbers have changed since previous catalog.



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 part number:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

919

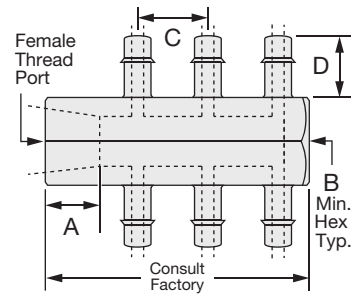
Female Pipe Thread Tee Manifold Fittings

Thread Size	Dimensions (Reference)		Branches		Dimensions (Reference)		# of Port Options (ea. side)
	A Ref.	B Typ.	Tube ID	Branch #	C Ref.	D Ref.	
10-32	5/32	1/4	1/16	1	1/4	7/32	9
1/4-28 (4-28)	1/4	5/16	5/64 / 2mm	2	1/4	7/32	9
1/16	1/3	3/8	3/32	2 1/2	1/4	7/32	8
1/8	3/8	9/16	1/8	3	5/16	5/16	8
1/4	9/16	1 1/16	5/32 / 4mm	3 1/2	5/16	5/16	6
3/8	1/2	1 3/16					
1/2	1 1/16	1					

Thread Size	Dimensions (Reference)		Branches		Dimensions (Reference)		# of Port Options (ea. side)
	A Ref.	B Typ.	Tube ID	Branch #	C Ref.	D Ref.	
.170	4	3/8	11/32	6			
3/16	5	Consult Factory	3/8	6			
7/32	5 1/2	Consult Factory	3/8	6			
6mm	5 3/4	Consult Factory	1/2	6			
1/4	6	Consult Factory	1/2	6			

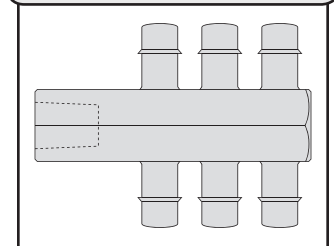
Larger Tube ID Branches available! Consult factory for details!

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.

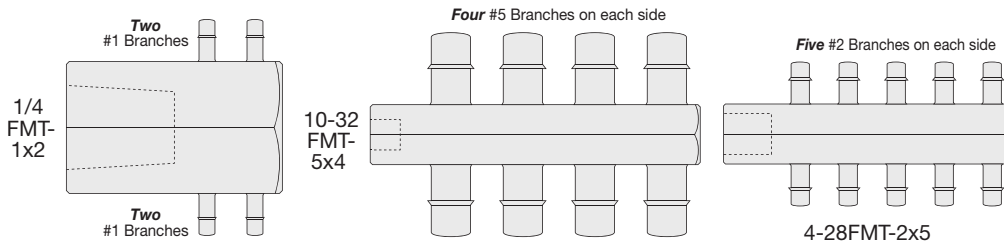
Example Part Number:
1/16FMT-4x3-NP
1/16 NPT Female Pipe Thread
Three #4 Branches on each side
(.170 Tube ID)
Material: Electroless Nickel Plate



To simplify part numbers, these numbers have changed since previous catalog!

Part Numbers for Female Pipe Thread T Manifold Fittings:

Thread Size	#/#	FMT	-	#	X	#	Number of Branches
	Fitting Series			Branch Number			



920

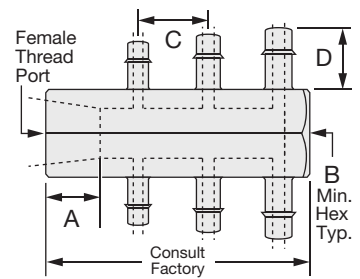
Female Pipe Thread Mixed Branch Tee Manifold Fittings

Thread Size	Dimensions (Reference)		Branches		Dimensions (Reference)		# of Port Options
	A Ref.	B Typ.	Tube ID	Branch #	C Ref.	D Ref.	
10-32	5/32	1/4	1/16	1	Consult Factory	7/32	Consult Factory
1/4-28 (4-28)	1/4	5/16	5/64 / 2mm	2	Consult Factory	7/32	Consult Factory
1/16	1/3	3/8	3/32	2 1/2	Consult Factory	7/32	Consult Factory
1/8	3/8	9/16	1/8	3	Consult Factory	5/16	Consult Factory
1/4	9/16	1 1/16	5/32 / 4mm	3 1/2	Consult Factory	5/16	Consult Factory
3/8	1/2	1 3/16					
1/2	1 1/16	1					

Thread Size	Dimensions (Reference)		Branches		Dimensions (Reference)		# of Port Options
	A Ref.	B Typ.	Tube ID	Branch #	C Ref.	D Ref.	
.170	4	3/8	11/32	Consult Factory			Consult Factory
3/16	5	Consult Factory	3/8	Consult Factory			Consult Factory
7/32	5 1/2	Consult Factory	3/8	Consult Factory			Consult Factory
6mm	5 3/4	Consult Factory	1/2	Consult Factory			Consult Factory
1/4	6	Consult Factory	1/2	Consult Factory			Consult Factory

Material options listed on previous page!

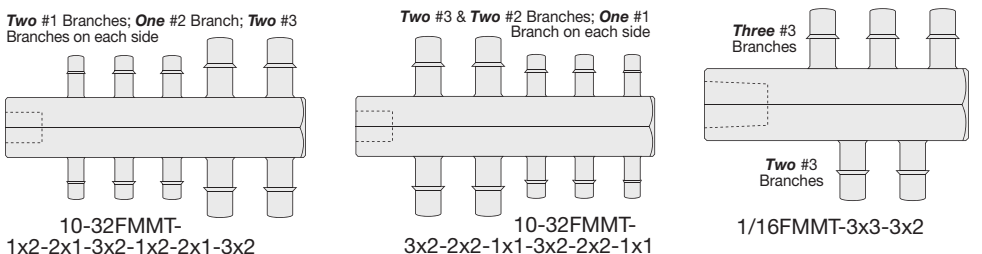
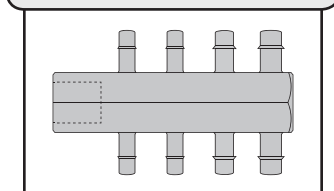
Fitting Series Code = FMMT



Number of branches/ports vary depending on Tube ID size. Body Length will vary depending on number of branches.

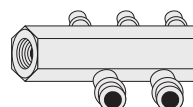
Use the template on page 501 to indicate branch size & placement!

Example Part Number:
4-28FMMT-1x2-2x1-2 1/2x1-316SS
1/4-28 Female Pipe 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



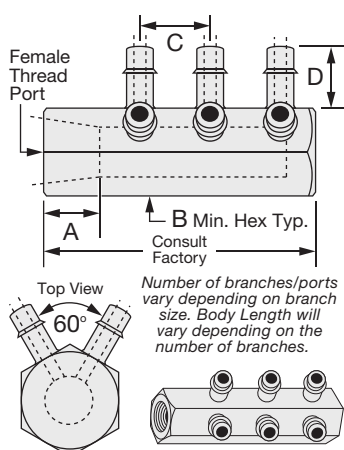
Branches can be arranged in numerous sizes and combinations to accommodate specific requirements.

Numerous branch options available on one Manifold!



Female Pipe Thread Branch V-Tee Manifold Fittings

921



Thread Size	Dimensions (Reference)	
	A Ref.	B Typ.
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		Dimensions (Reference)		# of Port Options (ea. side)
Tube ID	Branch #	C Ref.	D Ref.	
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		Dimensions (Reference)		# of Port Options (ea. side)
Tube ID	Branch #	C Ref.	D Ref.	
.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	Consult Factory	1/2	6

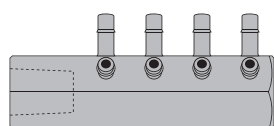
Branches with larger Tube ID's are available! Consult factory for details!

Female V-Tee Manifolds with 120° branches also available! Consult factory for details!

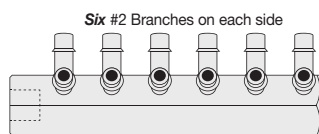
Example Part Number:

1/16FMV-1x4-316SS

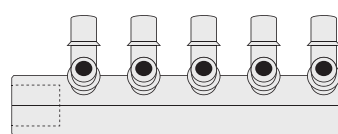
1/16 NPT Female Pipe Thread
Four #1 Branches on each side
(branches at 60° angle; 1/16 Tube ID)
Material: 316 Stainless Steel



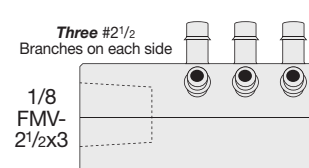
Part Numbers for Male Pipe Thread Manifold Fittings:



10-32FMV-2x6



4-28FMV-3x5



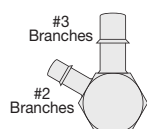
Unless otherwise specified, parts will be Brass. To order other materials, please add the following codes to the part number:
-SS = Stainless Steel 303 **-316SS = Stainless Steel 316** **-NP = Electroless Nickel Plate**

Female Pipe Thread Mixed Branch V-Tee Manifold Options

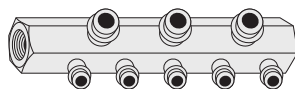
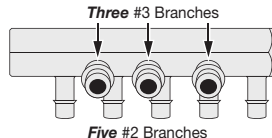
Consult factory for details!

Fitting Series Code = **FMMV**

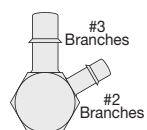
V-Tee Manifolds available with 120° branches!



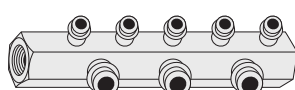
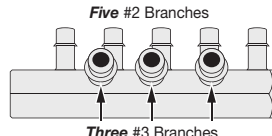
10-32 FMMV-3x3-2x5-L



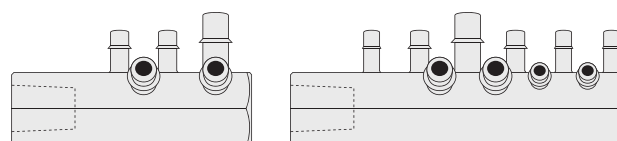
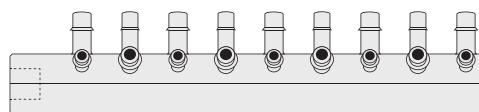
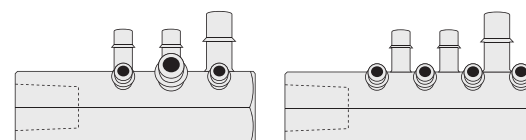
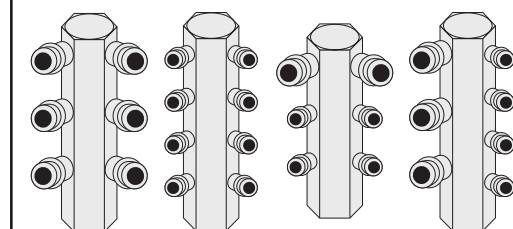
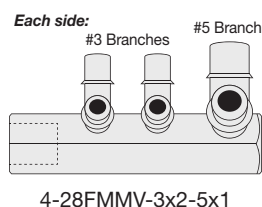
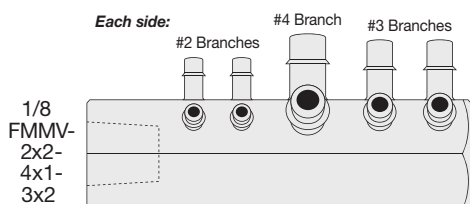
Left Branch V-Tee Manifolds have the 2nd set of branches 60° to the left (top view).



10-32 FMMV-3x3-2x5-R



Right Branch V-Tee Manifolds have the 2nd set of branches 60° to the right (top view).



Use the template on page 501 to indicate branch sizes & locations!

Branches can be arranged to accommodate specific requirements!

To Use:

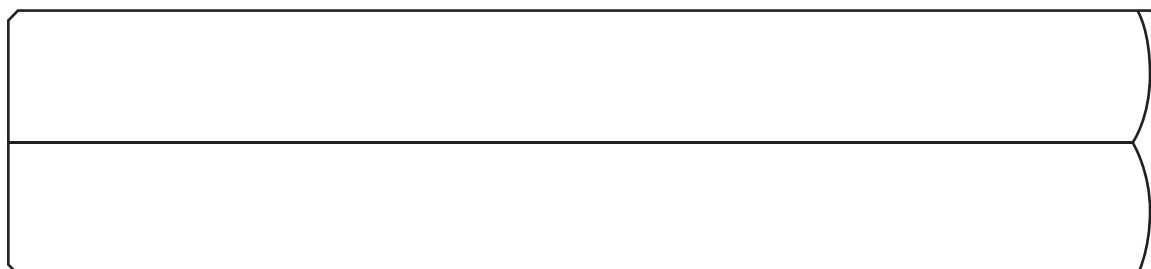
Mixed Branch Manifold Template for Branch Sizes and Locations

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 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 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:

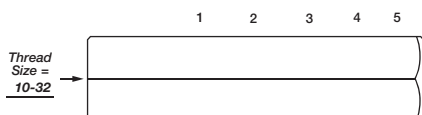
This chart may not accommodate the wide variety of options available. Consult factory if help is needed!

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

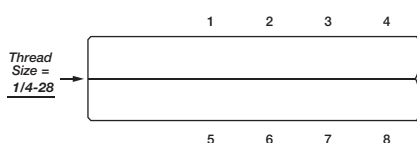
Mixed Branch Manifold

10-32 Female Thread

Two #3 Branches (1st, 2nd)

Three #1 Branches (3rd, 4th, 5th)

(see sample image on page 498!)



Branch Numbers:

1st Branch (1) = 1 4th Branch (4) = 2 1/2 7th Branch (7) = 2

2nd Branch (2) = 1 5th Branch (5) = 1 8th Branch (8) = 2 1/2

3rd Branch (3) = 2 6th Branch (6) = 1 9th Branch (9) = n/a

4-28FMMT-1x2-2x1-2 1/2 x 1

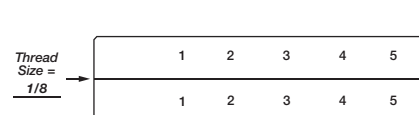
Mixed Branch Tee Manifold

10-32 Female Thread

Each Side: Two #1 Branches (1st, 2nd; 5th, 6th)

One #2 Branch (3rd; 7th) & #2 1/2 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-3x2-4x1-3x2

Mixed Branch V-Tee Manifold

1/8 NPT Female Thread

Each Side (60° apart): Two #2 Branches (1st, 2nd)

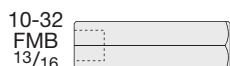
One #4 Branch (3rd); Two #3 Branches (4th, 5th)

(see sample image on page 500!)

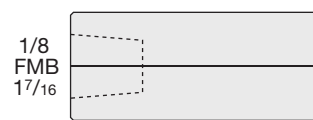
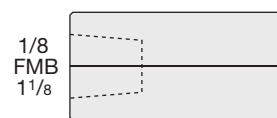
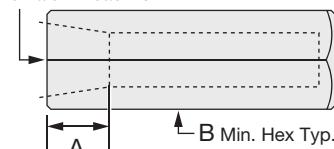
922

Female Pipe Thread Manifold Blanks

Thread	Body Length	Part Numbers				Dimensions (Reference)	
		Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.
10-32	1 3/16	10-32FMB13/16	10-32FMB13/16-SS	10-32FMB13/16-SS316	10-32FMB13/16-NP	5/32	1/4
10-32	1 1/8	10-32FMB1 1/8	10-32FMB1 1/8-SS	10-32FMB1 1/8-SS316	10-32FMB1 1/8-NP	5/32	1/4
10-32	1 7/16	10-32FMB1 7/16	10-32FMB1 7/16-SS	10-32FMB1 7/16-SS316	10-32FMB1 7/16-NP	5/32	1/4
1/8	1 3/16	1/8FMB13/16	1/8FMB13/16-SS	1/8FMB13/16-SS316	1/8FMB13/16-NP	3/8	9/16
1/8	1 1/8	1/8FMB1 1/8	1/8FMB1 1/8-SS	1/8FMB1 1/8-SS316	1/8FMB1 1/8-NP	3/8	9/16
1/8	1 7/16	1/8FMB1 7/16	1/8FMB1 7/16-SS	1/8FMB1 7/16-SS316	1/8FMB1 7/16-NP	3/8	9/16

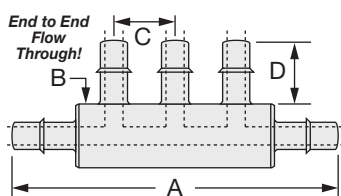


Female Thread Port

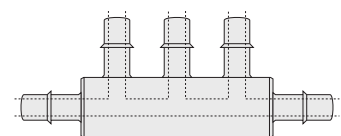


Coupling Manifolds

923



CM1-1x2



CM3-3x3

Branches		Dimensions (Reference)				# of Port Options
Tube ID	Branch Number	A Ref.	B Dia.	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 Dia.	C Ref.	D Ref.	
.170	4	Consult Factory	5/16	3/8	11/32	6
3/16	5		3/8	Consult Factory	3/8	6
7/32	5 1/2		3/8	Consult Factory	3/8	6
6mm	5 3/4		3/8	Consult Factory	1/2	6
1/4	6		7/16	Consult Factory	1/2	6

Larger Tube ID branches available! Consult factory!

Material options listed on next page!

Part Numbers for Coupling Manifold Fittings:

Fitting Series → CM

#

End Branch Number

#

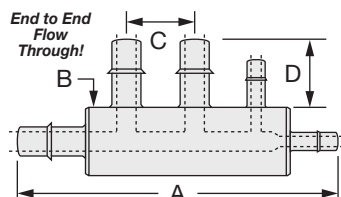
Branch Number

#

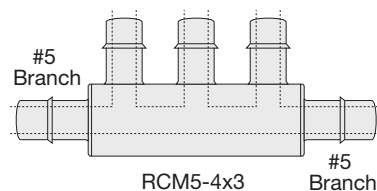
Number of Branches along Body

Coupling Mixed Branch Manifolds

924



Three #4 Branches



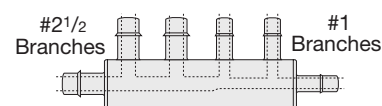
RCM5-4x3

Branches		Dimensions (Reference)				# of Port Options
Tube ID	Branch Number	A Ref.	B Dia.	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 Dia.	C Ref.	D Ref.	
.170	4	Consult Factory	5/16	3/8	11/32	6
3/16	5		3/8	Consult Factory	3/8	6
7/32	5 1/2		3/8	Consult Factory	3/8	6
6mm	5 3/4		3/8	Consult Factory	1/2	6
1/4	6		7/16	Consult Factory	1/2	6

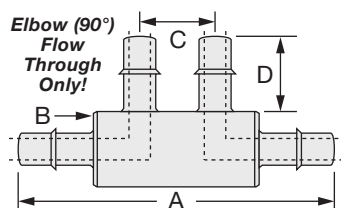
Use the template on page 503 to indicate branch sizes and placement!

Material options listed on next page!

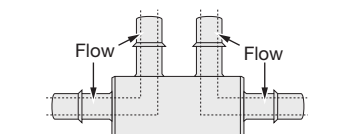


Coupling Manifold Elbows

925



CML1-1x2



CML3-3x2

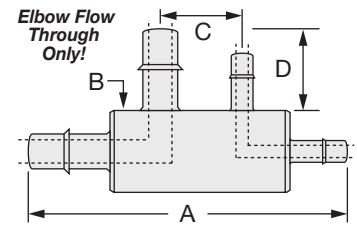
Tube ID	Part Numbers				Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.	D Ref.
1/16	CML1-1x2	CML1-1x2-SS	CML1-1x2-316SS	CML1-1x2-NP	Consult Factory	1/4	1/4	7/32
5/64 / 2mm	CML2-2x2	CML2-2x2-SS	CML2-2x2-316SS	CML2-2x2-NP		1/4	1/4	7/32
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	CML3-3x2-316SS	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	Consult Factory	5/16	3/8	11/32
3/16	CML5-5x2	CML5-5x2-SS	CML5-5x2-316SS	CML5-5x2-NP		3/8	Consult Factory	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	Consult Factory	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		3/8	Consult Factory	1/2
1/4	CML6-6x2	CML6-6x2-SS	CML6-6x2-316SS	CML6-6x2-NP		7/16	Consult Factory	1/2

926

Reducing Coupling (Mixed Branch) Manifold Elbows

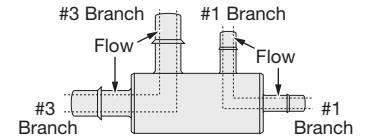
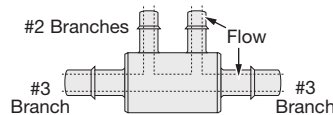
Branches		Dimensions (Reference)			
Tube ID	Branch #	A Ref.	B Dia.	C Ref.	D Ref.
1/16	1	Consult Factory	1/4	1/4	7/32
5/64 / 2mm	2		1/4	1/4	7/32
3/32	2 1/2		9/32	1/4	7/32
1/8	3		5/16	5/16	5/16
5/32 / 4mm	3 1/2		5/16	5/16	5/16

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



Use the template below to indicate branch sizes!

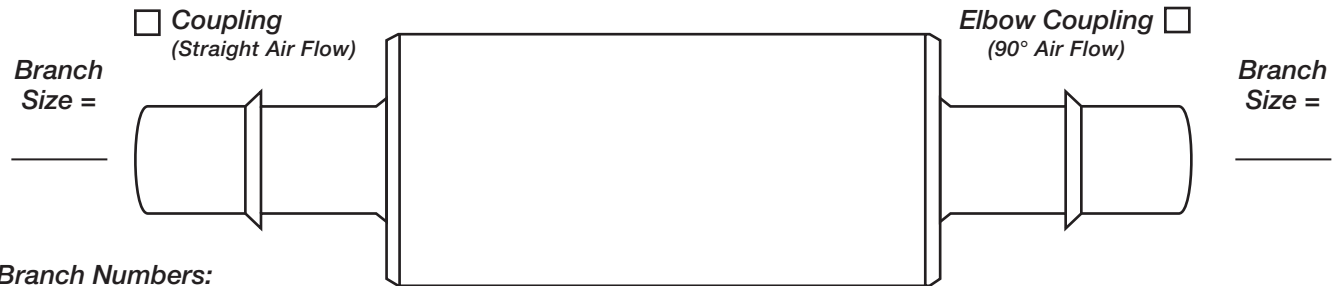
Unless otherwise specified, parts will be Brass. To order other materials, add the following codes to the part number:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316
-NP = Electroless Nickel Plate



To Use: Mixed Branch Coupling Manifold Template for Branch Sizes and Locations

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!



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) = _____

*Part numbers will vary depending on branch configuration

Examples:

(see sample images on page 502!)

☒ Coupling (Straight Air Flow) 1 2 3 4 Elbow Coupling (90° Air Flow) ☐

Branch Size = 2 1/2 Branch Size = 1

Branch Numbers:

1st Branch (1) = 2 1/2 4th Branch (4) = 1 6th Branch (6) = n/a 8th Branch (8) = n/a

2nd Branch (2) = 2 1/2 5th Branch (5) = n/a 7th Branch (7) = n/a 9th Branch (9) = n/a

3rd Branch (3) = 1

Reducing Coupling: #2 1/2 End Branch - #1 End Branch
Manifold: Two #2 1/2 Branches (1st, 2nd) - Two #1 Branches (3rd, 4th)

RCM5 - 4 x 3

☒ Coupling (Straight Air Flow) 1 2 3 Elbow Coupling (90° Air Flow) ☐

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

Reducing Coupling: #5 Both End Branches
Manifold: Two #4 Branches (1st & 2nd)

(see sample images above!)

☐ Coupling (Straight Air Flow) 1 2 Elbow Coupling (90° Air Flow) ☒

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

Reducing Coupling: #3 End Branch - #1 End Branch
Manifold: One #3 Branch (1st) - One #1 Branch (2nd)

☐ Coupling (Straight Air Flow) 1 2 Elbow Coupling (90° Air Flow) ☒

Branch Size = 3 Branch Size = 3

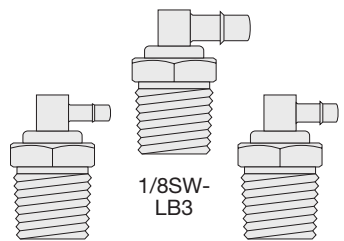
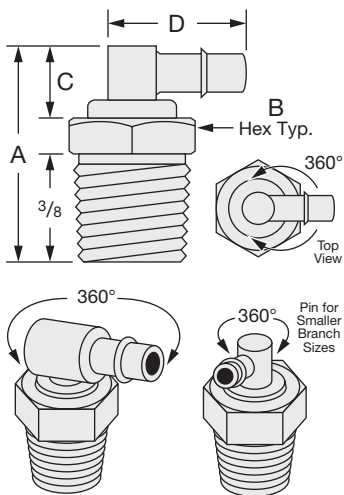
Branch Numbers:

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

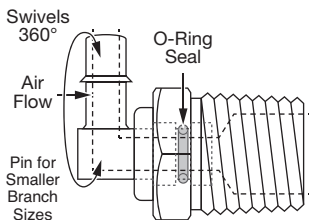
3rd Branch (3) = n/a

Reducing Coupling: #3 Branch on Both Ends
Manifold: Two #2 Branches (1st & 2nd)

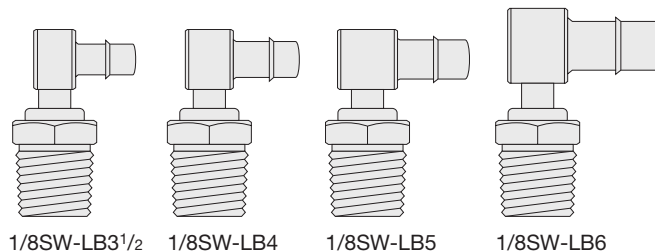


1/8SW-LB1

1/8SW-LB2



Tube ID	Part Numbers				Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Ref.	C Ref.	D Ref.
1/32	1/8SW-LB.031	303 Stainless Steel and 316 Stainless Steel is available through the GT Series!		1/8SW-LB.031-NP	3/4	7/16	1/4	.324
.040 / 1mm	1/8SW-LB.040			1/8SW-LB.040-NP	3/4	7/16	1/4	.324
3/64	1/8SW-LB.045			1/8SW-LB.045-NP	3/4	7/16	1/4	.324
.050	1/8SW-LB.050			1/8SW-LB.050-NP	3/4	7/16	1/4	.324
1/16	1/8SW-LB1	See page 508, line 934!		1/8SW-LB1-NP	3/4	7/16	1/4	.386
5/64 / 2mm	1/8SW-LB2			1/8SW-LB2-NP	3/4	7/16	1/4	.386
3/32	1/8SW-LB2 1/2			1/8SW-LB2 1/2-NP	3/4	7/16	1/4	.386
1/8	1/8SW-LB3			1/8SW-LB3-NP	3/4	7/16	1/4	.480
5/32 / 4mm	1/8SW-LB3 1/2	Consult factory for details!!		1/8SW-LB3 1/2-NP	.974	7/16	.474	9/16
.170	1/8SW-LB4			1/8SW-LB4-NP	.974	7/16	.474	19/32
3/16	1/8SW-LB5			1/8SW-LB5-NP	.974	7/16	.474	1 1/16
7/32	1/8SW-LB5 1/2			1/8SW-LB5 1/2-NP	.974	7/16	.474	1 1/16
6mm	1/8SW-LB5 3/4			1/8SW-LB5 3/4-NP	1.084	7/16	.584	1 3/16
3/8	1/8SW-LB6			1/8SW-LB6-NP	1.084	7/16	.584	1 3/16

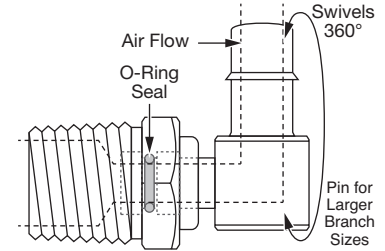


1/8SW-LB3 1/2

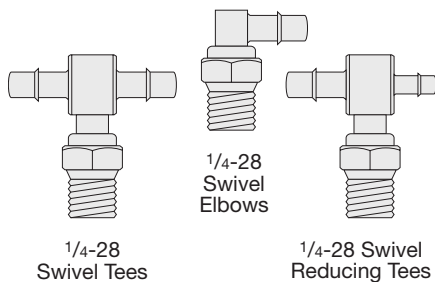
1/8SW-LB4

1/8SW-LB5

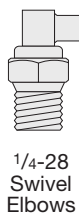
1/8SW-LB6



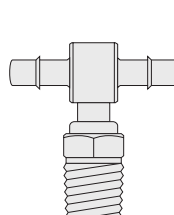
Other Male Thread sizes available! Lead times and minimum quantities apply! Consult factory for details!



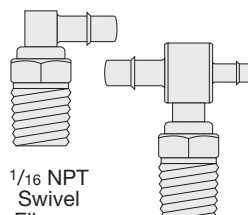
1/4-28 Swivel Tees



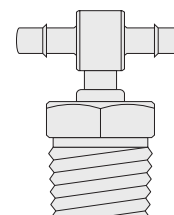
1/4-28 Swivel Reducing Tees



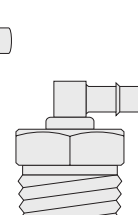
1/16 NPT Swivel Tees



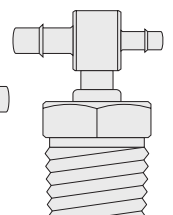
1/16 NPT Swivel Reducing Tees



1/4 NPT Swivel Tees

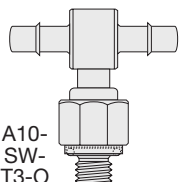


1/4 NPT Swivel Reducing Tees

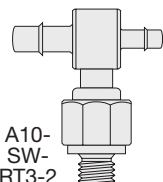


1/4 NPT Swivel Reducing Tees

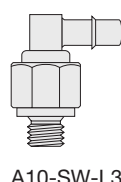
10-32 Swivel Elbows & Tees also available! See pages 98 & 99! Consult factory for details!



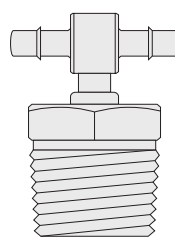
A10-SW-T3-O



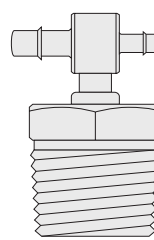
A10-SW-RT3-2



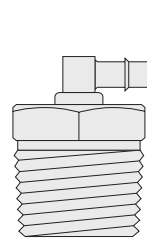
A10-SW-L3



3/8 NPT Swivel Tees



3/8 NPT Swivel Reducing Tees



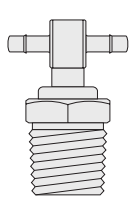
3/8 NPT Swivel Elbows

Swivel Elbows & Tees also available with Metric, BSPT, and BSPP Threads! Consult factory for details!

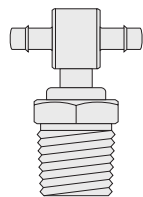
928

1/8 NPT Swivel Tees

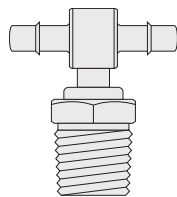
Tube ID	Part Numbers				Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Ref.	C Ref.	D Ref.
1/32	1/8SW-T.031	303 Stainless Steel and 316 Stainless Steel is available through the GT Series!		1/8SW-T.031-NP	.911	7/16	.411	9/16
.040 / 1mm	1/8SW-T.040			1/8SW-T.040-NP	.911	7/16	.411	9/16
3/64	1/8SW-T.045			1/8SW-T.045-NP	.911	7/16	.411	9/16
.050	1/8SW-T.050			1/8SW-T.050-NP	.911	7/16	.411	9/16
1/16	1/8SW-T1			1/8SW-T1-NP	.911	7/16	.411	5/8
5/64 / 2mm	1/8SW-T2	See page 508, line 935!		1/8SW-T2-NP	.911	7/16	.411	5/8
3/32	1/8SW-T2 1/2			1/8SW-T2 1/2-NP	.974	7/16	.474	41/64
1/8	1/8SW-T3			1/8SW-T3-NP	.974	7/16	.474	27/32
5/32 / 4mm	1/8SW-T3 1/2	Consult factory for details!!		1/8SW-T3 1/2-NP	.974	7/16	.474	27/32
.170	1/8SW-T4			1/8SW-T4-NP	.974	7/16	.474	15/16
3/16	1/8SW-T5			1/8SW-T5-NP	.974	7/16	.474	1.00
7/32	1/8SW-T5 1/2			1/8SW-T5 1/2-NP	.974	7/16	.474	1.00
6mm	1/8SW-T5 3/4			1/8SW-T5 3/4-NP	1.084	7/16	.584	1 5/16
3/8	1/8SW-T6			1/8SW-T6-NP	1.084	7/16	.584	1 5/16



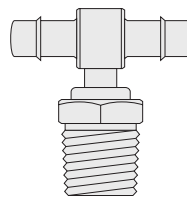
1/8SW-T1



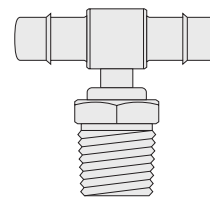
1/8SW-T2 1/2



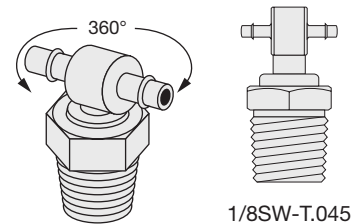
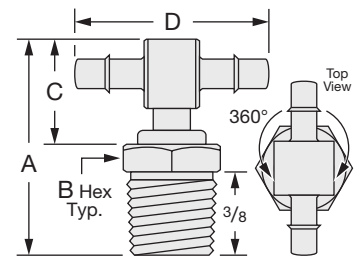
1/8SW-T3



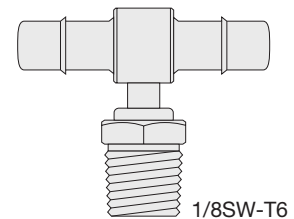
1/8SW-T4



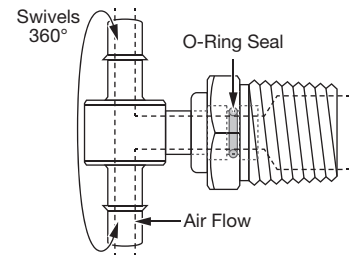
1/8SW-T5 1/2



1/8SW-T.045



1/8SW-T6

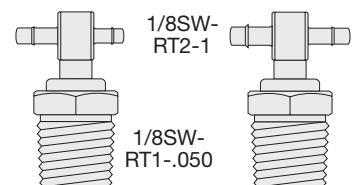
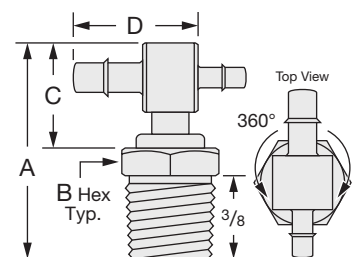


929

1/8 NPT Swivel Reducing Tees

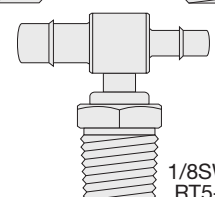
Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Ref.	C Ref.	D Ref.
1/32	.031	.911	7/16	.411	1 1/32
.040 / 1mm	.040	.911	7/16	.411	1 1/32
3/64	.045	.911	7/16	.411	1 1/32
.050	.050	.911	7/16	.411	1 1/32
1/16	1	.911	7/16	.411	1 3/32
5/64 / 2mm	2	.911	7/16	.411	1 3/32
3/32	2 1/2	.974	7/16	.474	5/16

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Ref.	C Ref.	D Ref.
1/8	3	.974	7/16	.474	9/16
5/32 / 4mm	3 1/2	.974	7/16	.474	9/16
.170	4	.974	7/16	.474	19/32
3/16	5	.974	7/16	.474	1 1/16
7/32	5 1/2	.974	7/16	.474	1 1/16
6mm	5 3/4	1.084	7/16	.584	1 3/16
1/4	6	1.084	7/16	.584	1 3/16



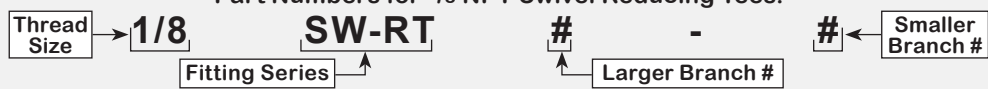
1/8SW-RT1-.050

1/8SW-RT2-1



1/8SW-RT5-3

Part Numbers for 1/8 NPT Swivel Reducing Tees:

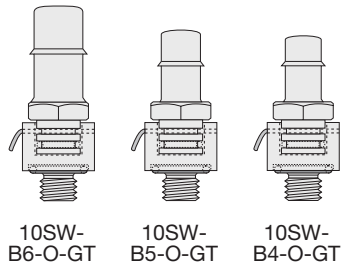
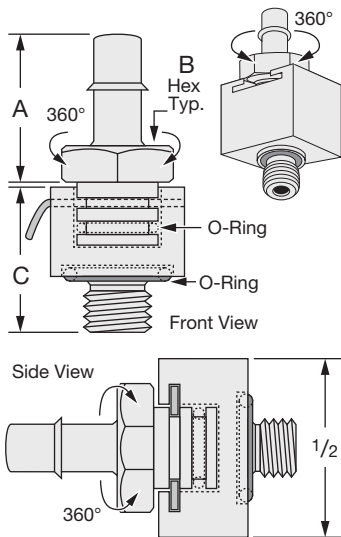


Unless otherwise specified, parts will be Brass. Stainless Steel is available through the GT Series. For Electroless Nickel Plate, please add the code **-NP** to the end of the part number.

10-32 Male Thread to Tube Swivel Fittings with Clip Groove

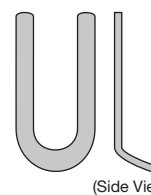
930

02

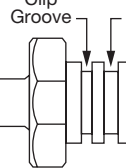


Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	10SW-B1-O-GT	10SW-B1-O-GT-SS	10SW-B1-O-GT-316SS	10SW-B1-O-GT-NP	5/16	5/16	1/4
5/64 / 2mm	10SW-B2-O-GT	10SW-B2-O-GT-SS	10SW-B2-O-GT-316SS	10SW-B2-O-GT-NP	5/16	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

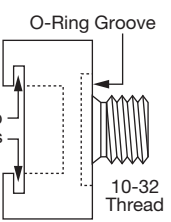
Stainless Steel Clip



Clip Groove



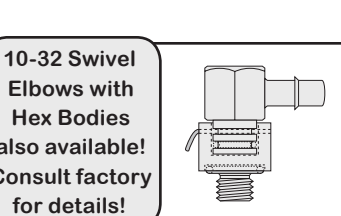
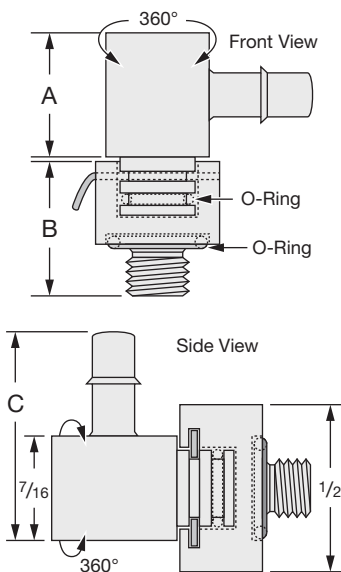
O-Ring Groove



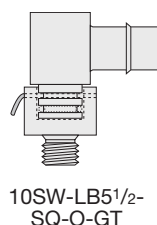
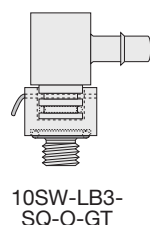
Unassembled Components

10-32 Male Thread to Tube Swivel Elbows with Square Bodies & Clip Groove

931



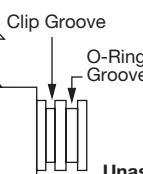
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Ref.	C Ref.
1/16	10SW-LB1-SQ-O-GT	10SW-LB1-SQ-O-GT-SS	10SW-LB1-SQ-O-GT-316SS	10SW-LB1-SQ-O-GT-NP	3/8	1/4	19/32
5/64 / 2mm	10SW-LB2-SQ-O-GT	10SW-LB2-SQ-O-GT-SS	10SW-LB2-SQ-O-GT-316SS	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



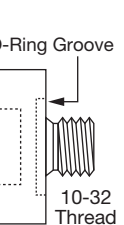
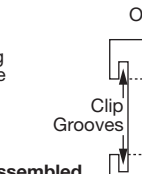
Stainless Steel Clip



Clip Groove



O-Ring Groove



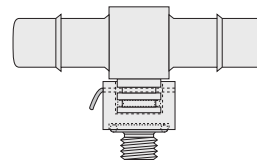
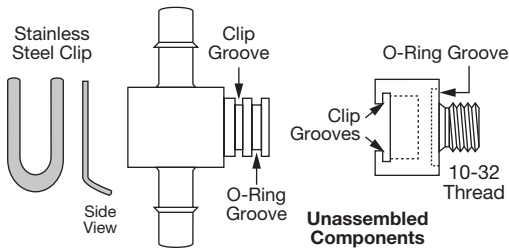
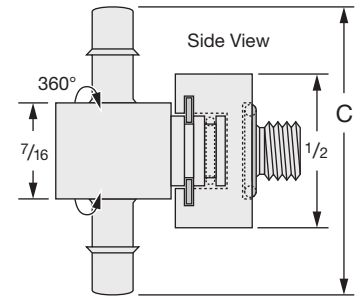
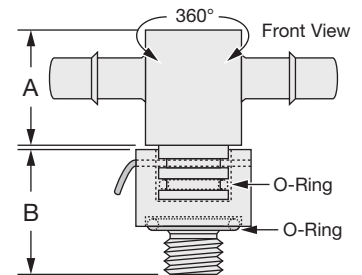
Unassembled Components

10-32 Swivel Elbows with Hex Bodies also available! Consult factory for details!

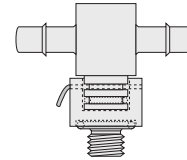
932

10-32 Male Thread to Tube Swivel Tees with Square Bodies & Clip Groove

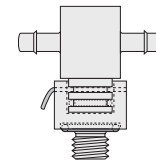
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Ref.	C Ref.
1/16	10SW-T1-SQ-O-GT	10SW-T1-SQ-O-GT-SS	10SW-T1-SQ-O-GT-316SS	10SW-T1-SQ-O-GT-NP	3/8	1/4	7/8
5/64 / 2mm	10SW-T2-SQ-O-GT	10SW-T2-SQ-O-GT-SS	10SW-T2-SQ-O-GT-316SS	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



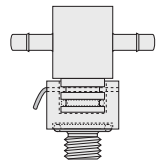
10SW-T6-SQ-O-GT



10SW-T3-SQ-O-GT



10SW-T2-SQ-O-GT

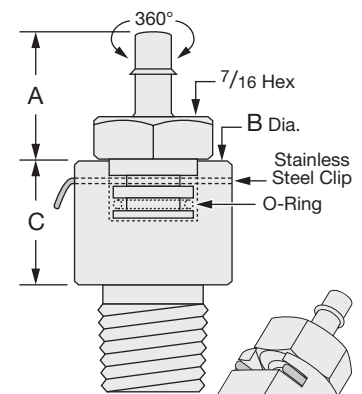


10SW-T1-SQ-O-GT

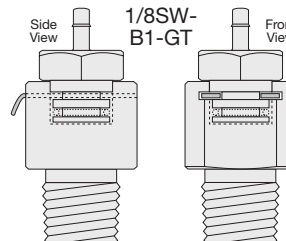
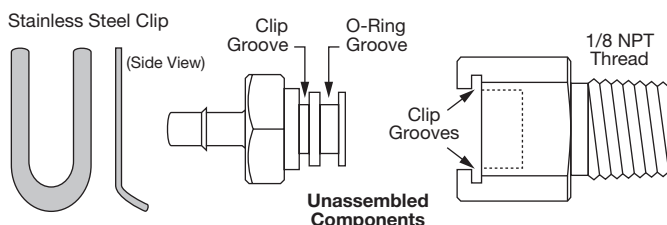
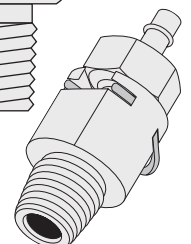
933

1/8 NPT Male Thread to Tube Swivel Fittings with Clip Groove

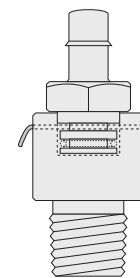
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
1/16	1/8SW-B1-GT	1/8SW-B1-GT-SS	1/8SW-B1-GT-316SS	1/8SW-B1-GT-NP	3/8	.580	.580
5/64 / 2mm	1/8SW-B2-GT	1/8SW-B2-GT-SS	1/8SW-B2-GT-316SS	1/8SW-B2-GT-NP	3/8	.580	.580
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	.580	.580
1/8	1/8SW-B3-GT	1/8SW-B3-GT-SS	1/8SW-B3-GT-316SS	1/8SW-B3-GT-NP	15/32	.580	.580
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	.580	.580
.170	1/8SW-B4-GT	1/8SW-B4-GT-SS	1/8SW-B4-GT-316SS	1/8SW-B4-GT-NP	15/32	.580	.580
3/16	1/8SW-B5-GT	1/8SW-B5-GT-SS	1/8SW-B5-GT-316SS	1/8SW-B5-GT-NP	19/32	.580	.580
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	.580	.580
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	.580	.580
1/4	1/8SW-B6-GT	1/8SW-B6-GT-SS	1/8SW-B6-GT-316SS	1/8SW-B6-GT-NP	21/32	.580	.580



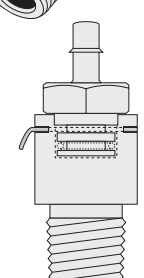
Also available
with square
bodies!



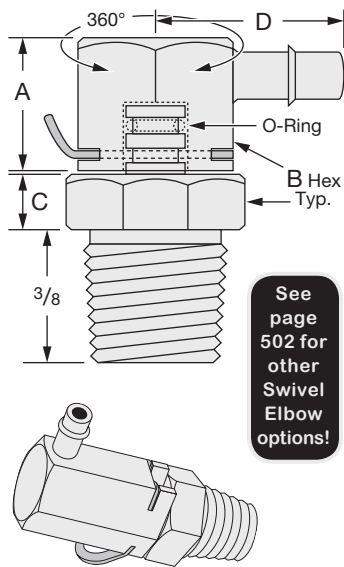
1/8SW-B1-GT



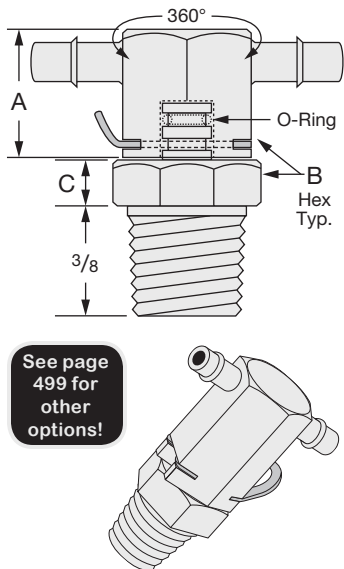
1/8SW-B5-GT



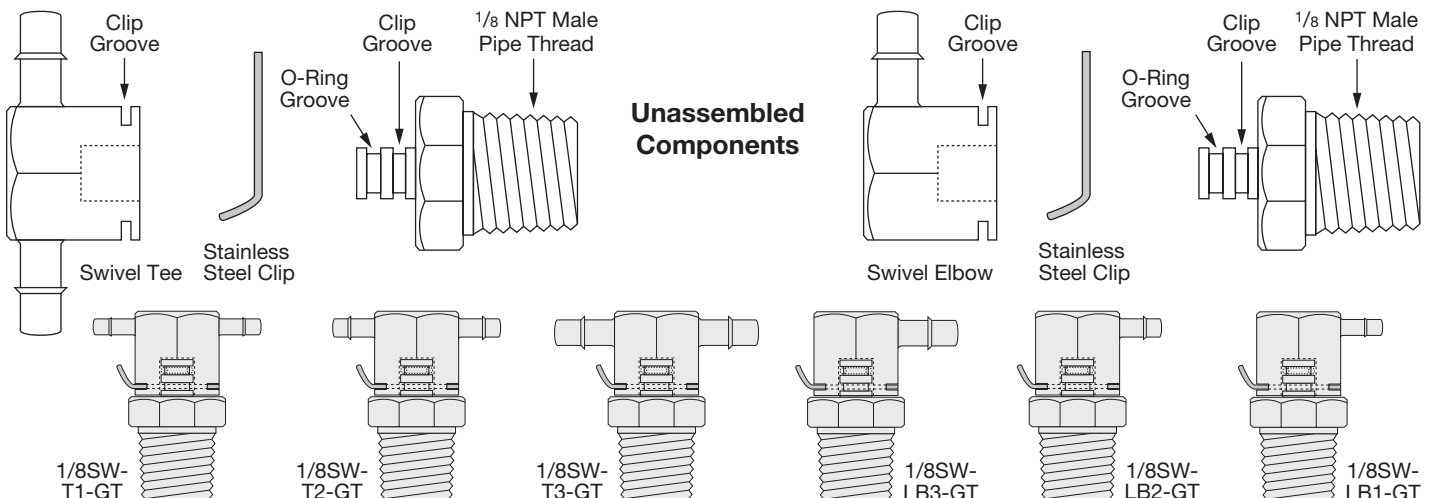
1/8SW-B3-GT

1/8 NPT Male Thread to Tube Swivel Elbows with Clip Groove**934**

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-LB1-GT	1/8SW-LB1-GT-SS	1/8SW-LB1-GT-316SS	1/8SW-LB1-GT-NP	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	Consult Factory	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory	Consult Factory
1/8	1/8SW-LB3-GT	1/8SW-LB3-GT-SS	1/8SW-LB3-GT-316SS	1/8SW-LB3-GT-NP	Consult Factory	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory	Consult Factory
.170	1/8SW-LB4-GT	1/8SW-LB4-GT-SS	1/8SW-LB4-GT-316SS	1/8SW-LB4-GT-NP	Consult Factory	Consult Factory	Consult Factory
3/16	1/8SW-LB5-GT	1/8SW-LB5-GT-SS	1/8SW-LB5-GT-316SS	1/8SW-LB5-GT-NP	Consult Factory	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory	Consult Factory
1/4	1/8SW-LB6-GT	1/8SW-LB6-GT-SS	1/8SW-LB6-GT-316SS	1/8SW-LB6-GT-NP	Consult Factory	Consult Factory	Consult Factory

1/8 NPT Male Thread to Tube Swivel Tees with Clip Groove**935**

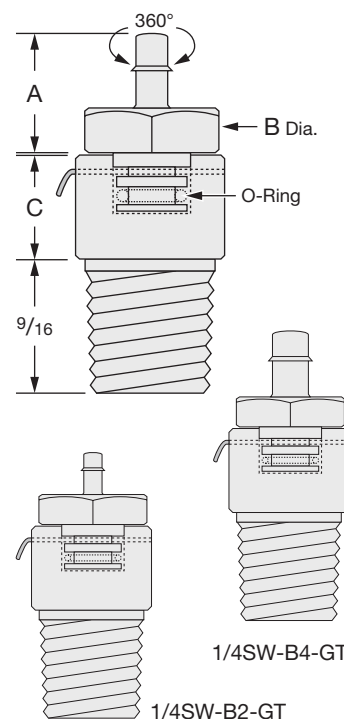
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	1/8SW-T1-GT	1/8SW-T1-GT-SS	1/8SW-T1-GT-316SS	1/8SW-T1-GT-NP	Consult Factory	Consult Factory	Consult Factory
5/64 / 2mm	1/8SW-T2-GT	1/8SW-T2-GT-SS	1/8SW-T2-GT-316SS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



936

1/4 NPT Male Thread to Tube Swivel Fittings with Clip Groove

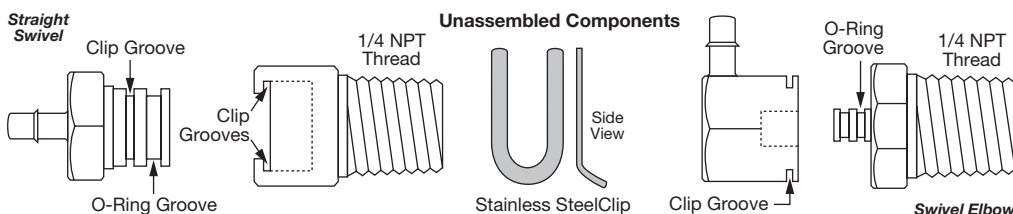
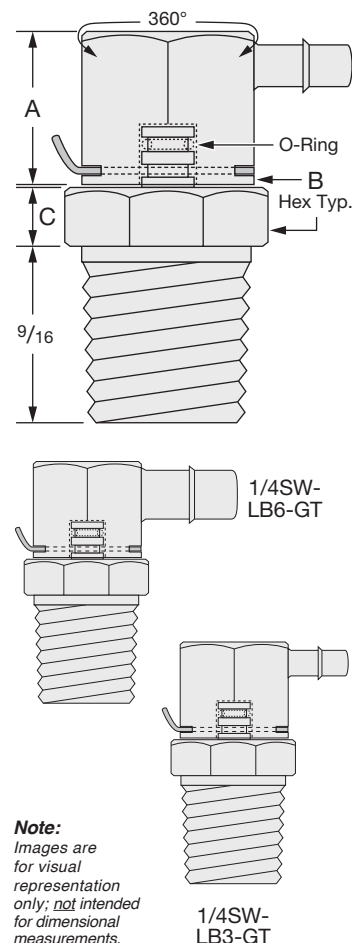
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
1/16	1/4SW-B1-GT	1/4SW-B1-GT-SS	1/4SW-B1-GT-316SS	1/4SW-B1-GT-NP	13/32	9/16	Consult Factory Consult Factory Consult Factory
5/64 / 2mm	1/4SW-B2-GT	1/4SW-B2-GT-SS	1/4SW-B2-GT-316SS	1/4SW-B2-GT-NP	13/32	9/16	
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	
1/8	1/4SW-B3-GT	1/4SW-B3-GT-SS	1/4SW-B3-GT-316SS	1/4SW-B3-GT-NP	1/2	9/16	
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	
.170	1/4SW-B4-GT	1/4SW-B4-GT-SS	1/4SW-B4-GT-316SS	1/4SW-B4-GT-NP	17/32	9/16	
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	
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	
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	1 1/16	9/16	
1/4	1/4SW-B6-GT	1/4SW-B6-GT-SS	1/4SW-B6-GT-316SS	1/4SW-B6-GT-NP	1 1/16	9/16	
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	Consult Factory Consult Factory Consult Factory
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	
1/2	1/4SW-B10-GT	1/4SW-B10-GT-SS	1/4SW-B10-GT-316SS	1/4SW-B10-GT-NP	1	5/8	



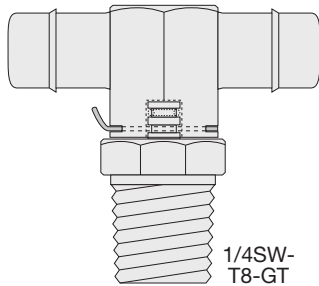
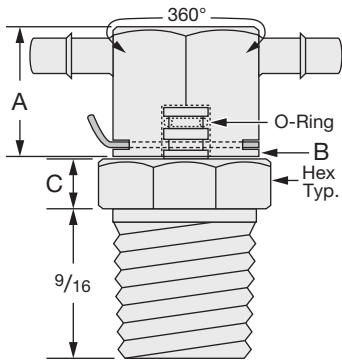
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1/4 NPT Male Thread to Tube Swivel Elbows with Clip Groove

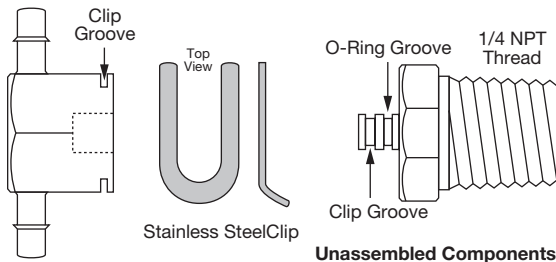
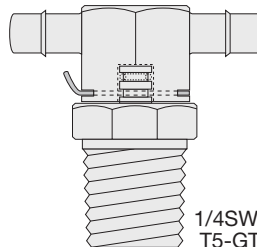
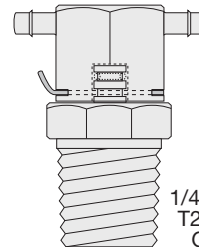
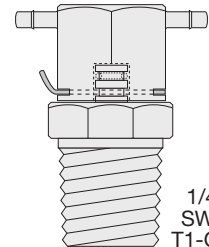
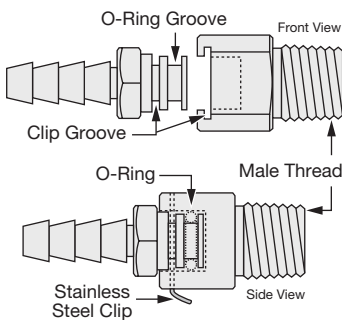
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	1/4SW-LB1-GT	1/4SW-LB1-GT-SS	1/4SW-LB1-GT-316SS	1/4SW-LB1-GT-NP	Consult Factory Consult Factory Consult Factory	Consult Factory Consult Factory Consult Factory	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	Consult Factory Consult Factory Consult Factory	Consult Factory Consult Factory Consult Factory	Consult Factory Consult Factory Consult Factory
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.

1/4 NPT Male Thread to Tube Swivel Tees with Clip Groove**938****02**

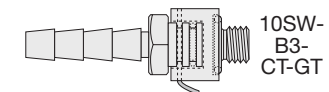
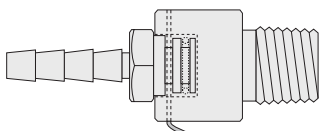
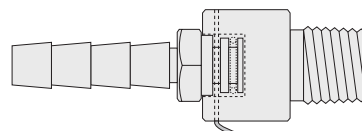
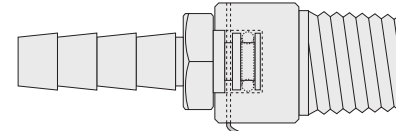
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	1/4SW-T1-GT	1/4SW-T1-GT-SS	1/4SW-T1-GT-316SS	1/4SW-T1-GT-NP	Consult Factory	Consult Factory	Consult Factory
5/64 / 2mm	1/4SW-T2-GT	1/4SW-T2-GT-SS	1/4SW-T2-GT-316SS	1/4SW-T2-GT-NP	Consult Factory	Consult Factory	Consult Factory
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
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
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
.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
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
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
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
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
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
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
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

**Unassembled Components****1/4SW-T5-GT****1/4SW-T2 1/2-GT****1/4SW-T1-GT****Male Thread to Tube/Hose Multi-Barb Swivel Fittings with Clip Groove****939**

Branches		Branches		Branches		Branches		NPT Male Thread Sizes	NPT 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
5/64 / 2mm	B2	5/32 / 4mm	B3 1/2	7/32	B5 1/2	5/16 / 8mm	B7	1/8	1/2
3/32	B2 1/2	.170	B4	6mm	B5 3/4	3/8	B8	1/4	5/8
						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	#/#	SW-B	#	-	CT	-	GT	GT Series Indicator
	Fitting Series		Branch #		Multi-Barb Indicator			

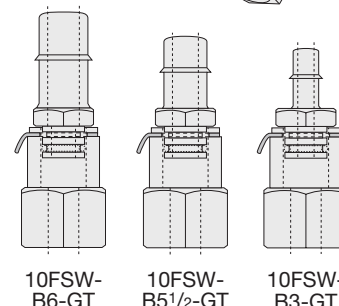
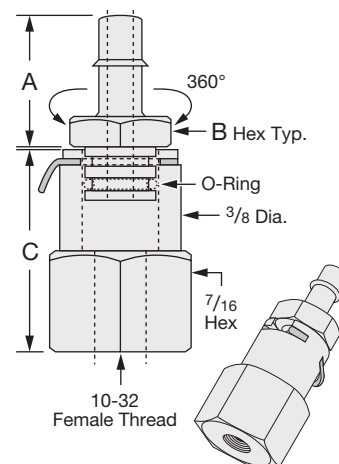
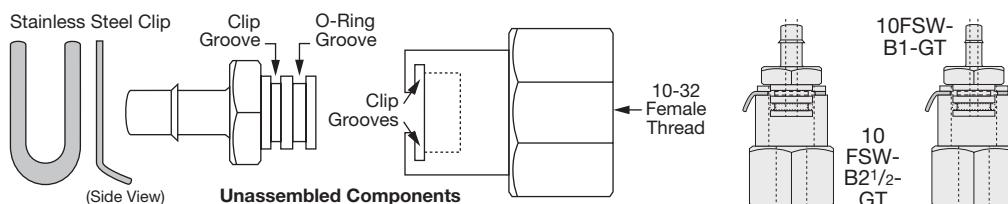
**10SW-B3-CT-GT****1/8SW-B3-CT-GT****1/8SW-B5-CT-GT****1/4SW-B6-CT-GT**

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**

940

10-32 Female Thread to Tube Swivel Fittings with Clip Groove

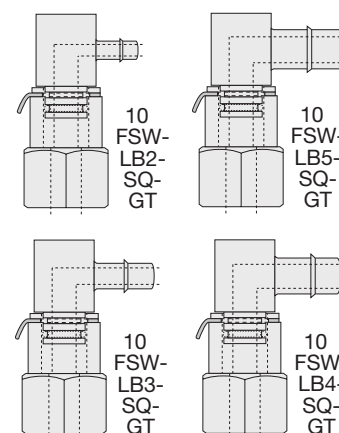
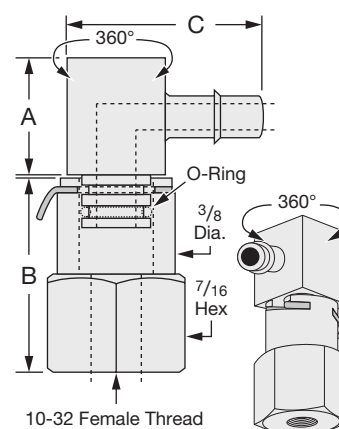
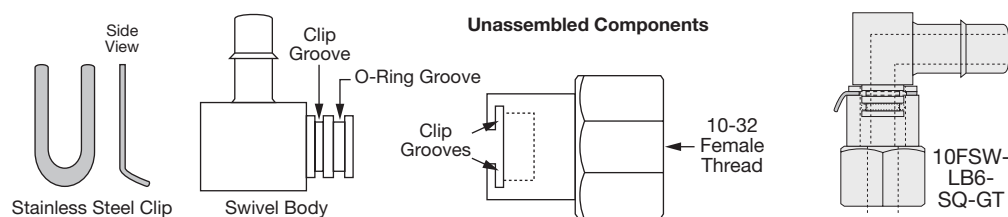
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	10FSW-B1-GT	10FSW-B1-GT-SS	10FSW-B1-GT-316SS	10FSW-B1-GT-NP	5/16	5/16	5/8
5/64 / 2mm	10FSW-B2-GT	10FSW-B2-GT-SS	10FSW-B2-GT-316SS	10FSW-B2-GT-NP	5/16	5/16	5/8
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	5/8
1/8	10FSW-B3-GT	10FSW-B3-GT-SS	10FSW-B3-GT-316SS	10FSW-B3-GT-NP	13/32	5/16	5/8
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	5/8
.170	10FSW-B4-GT	10FSW-B4-GT-SS	10FSW-B4-GT-316SS	10FSW-B4-GT-NP	7/16	5/16	5/8
3/16	10FSW-B5-GT	10FSW-B5-GT-SS	10FSW-B5-GT-316SS	10FSW-B5-GT-NP	15/32	5/16	5/8
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	5/8
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	5/8
1/4	10FSW-B6-GT	10FSW-B6-GT-SS	10FSW-B6-GT-316SS	10FSW-B6-GT-NP	19/32	5/16	5/8



941

10-32 Female Thread to Tube Swivel Elbows with Square Bodies and Clip Groove

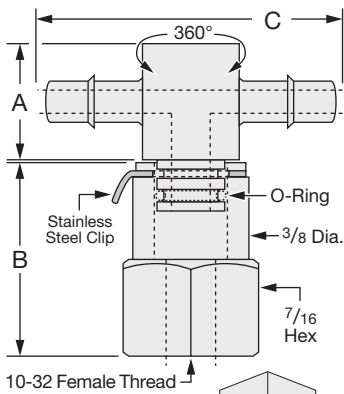
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Ref.	C Ref.
1/16	10FSW-LB1-SQ-GT	10FSW-LB1-SQ-GT-SS	10FSW-LB1-SQ-GT-316SS	10FSW-LB1-SQ-GT-NP	3/8	5/8	.529
5/64 / 2mm	10FSW-LB2-SQ-GT	10FSW-LB2-SQ-GT-SS	10FSW-LB2-SQ-GT-316SS	10FSW-LB2-SQ-GT-NP	3/8	5/8	.529
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	5/8	.529
1/8	10FSW-LB3-SQ-GT	10FSW-LB3-SQ-GT-SS	10FSW-LB3-SQ-GT-316SS	10FSW-LB3-SQ-GT-NP	3/8	5/8	.623
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	5/8	.623
.170	10FSW-LB4-SQ-GT	10FSW-LB4-SQ-GT-SS	10FSW-LB4-SQ-GT-316SS	10FSW-LB4-SQ-GT-NP	3/8	5/8	.654
3/16	10FSW-LB5-SQ-GT	10FSW-LB5-SQ-GT-SS	10FSW-LB5-SQ-GT-316SS	10FSW-LB5-SQ-GT-NP	3/8	5/8	.685
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	5/8	.685
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	5/8	.810
1/4	10FSW-LB6-SQ-GT	10FSW-LB6-SQ-GT-SS	10FSW-LB6-SQ-GT-316SS	10FSW-LB6-SQ-GT-NP	3/8	5/8	.810



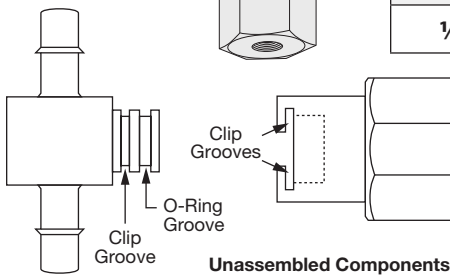
Swivel Elbows also available with hex swivel bodies! Consult factory for details!

10-32 Female Thread to Tube Swivel Tees with Square Bodies and Clip Groove

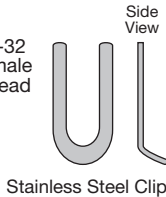
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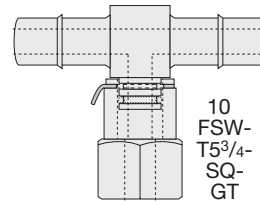
Hex Swivel Bodies available! Consult factory for details!



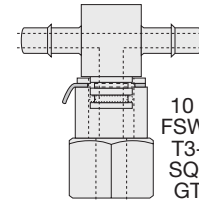
Unassembled Components



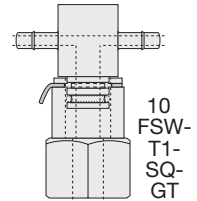
Stainless Steel Clip



10 FSW-T5 3/4-SQ-GT



10 FSW-T3-SQ-GT

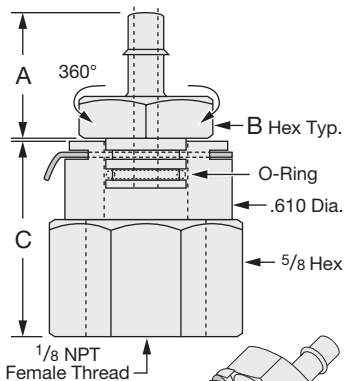


10 FSW-T1-SQ-GT

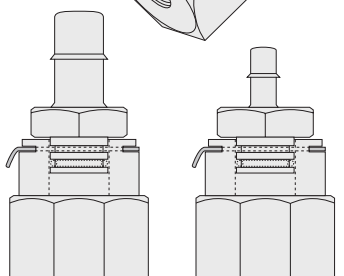
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Ref.	C Ref.
1/16	10FSW-T1-SQ-GT	10FSW-T1-SQ-GT-SS	10FSW-T1-SQ-GT-316SS	10FSW-T1-SQ-GT-NP	3/8	5/8	7/8
5/64 / 2mm	10FSW-T2-SQ-GT	10FSW-T2-SQ-GT-SS	10FSW-T2-SQ-GT-316SS	10FSW-T2-SQ-GT-NP	3/8	5/8	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	5/8	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	5/8	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	5/8	15/16
.170	10FSW-T4-SQ-GT	10FSW-T4-SQ-GT-SS	10FSW-T4-SQ-GT-316SS	10FSW-T4-SQ-GT-NP	3/8	5/8	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	5/8	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	5/8	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	5/8	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	5/8	1 3/16

1/8 NPT Female Thread to Tube Swivel Fittings with Clip Groove

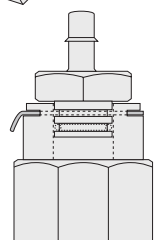
943



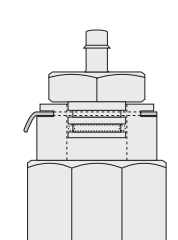
1/8 NPT Female Thread



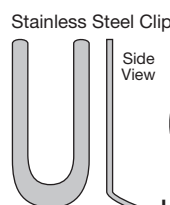
1/8FSW-B6-GT



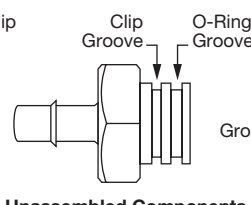
1/8FSW-B3-GT



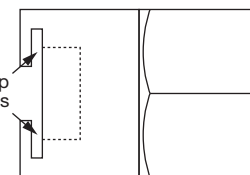
1/8FSW-B2 1/2-GT



Stainless Steel Clip



Unassembled Components



1/8 NPT Female Thread

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

Other Swivel fittings available! See options throughout this catalog!

944

1/8 NPT Female Thread to Tube Swivel Elbows with Clip Groove

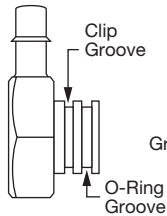
Tube ID	Part Numbers				Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Ref.	C Ref.	D Ref.
1/16	1/8FSW-LB1-GT	1/8FSW-LB1-GT-SS	1/8FSW-LB1-GT-316SS	1/8FSW-LB1-GT-NP	3/16	1/2	.730	15/32
5/64 / 2mm	1/8FSW-LB2-GT	1/8FSW-LB2-GT-SS	1/8FSW-LB2-GT-316SS	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

Stainless Steel Clip



Side View

Unassembled Components

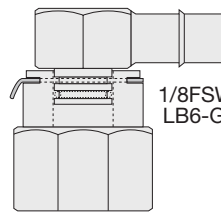


Clip Groove

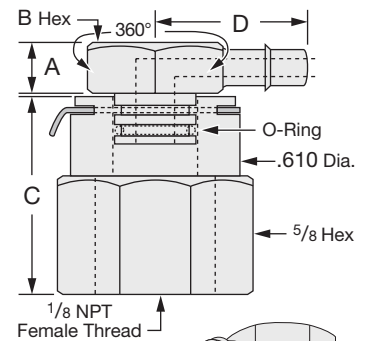
O-Ring Groove

Clip Grooves

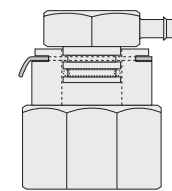
1/8 NPT Female Thread



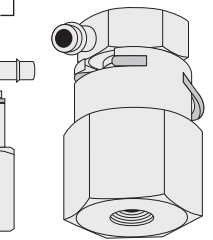
1/8FSW-LB6-GT



1/8 NPT Female Thread



1/8FSW-LB2-GT



1/8FSW-LB4-GT

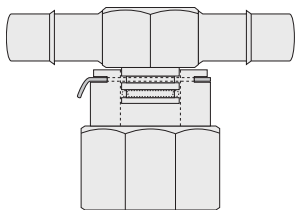
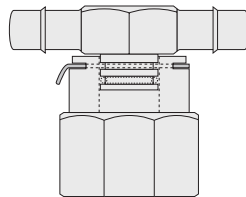
1/8 NPT Swivel fittings also available with square swivel bodies!

945

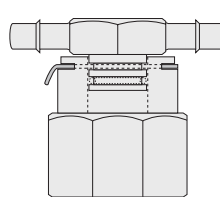
1/8 NPT Female Thread to Tube Swivel Tees with Clip Groove

Tube ID	Part Numbers				Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Ref.	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

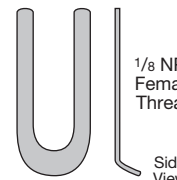
Note: Dimensions may vary at time of manufacturing.

1/8FSW-T5^{3/4}-GT

1/8FSW-T5-GT

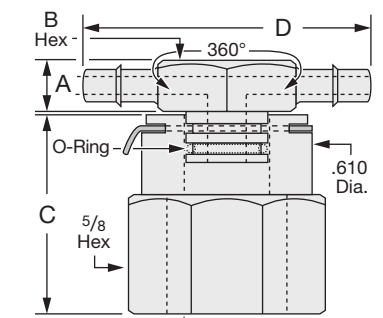


1/8FSW-T3-GT

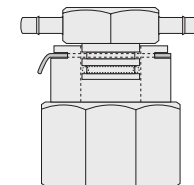


1/8 NPT Female Thread

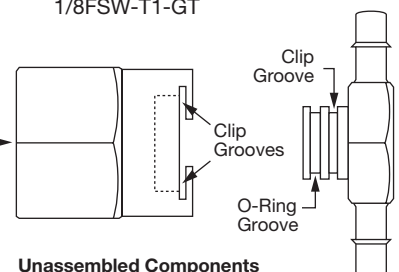
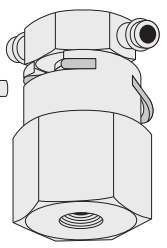
Side View



1/8 NPT Female Thread



1/8FSW-T1-GT

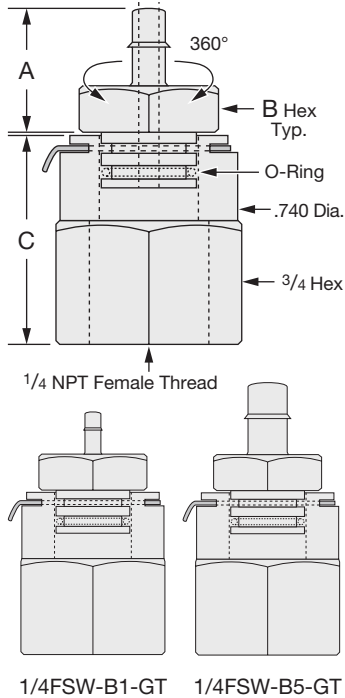


Clip Groove

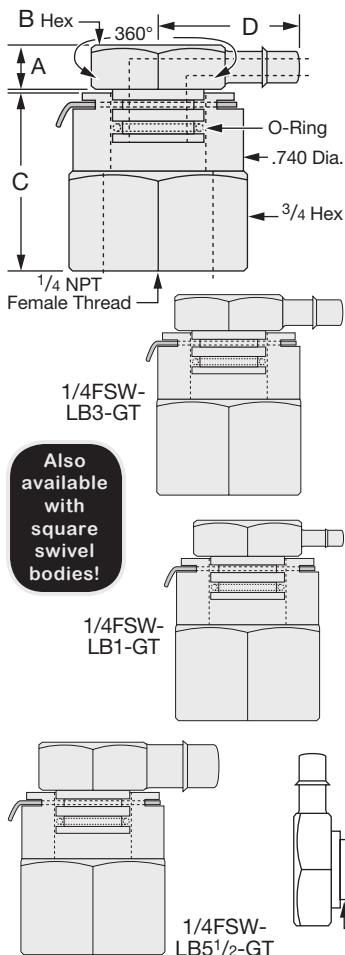
Clip Grooves

O-Ring Groove

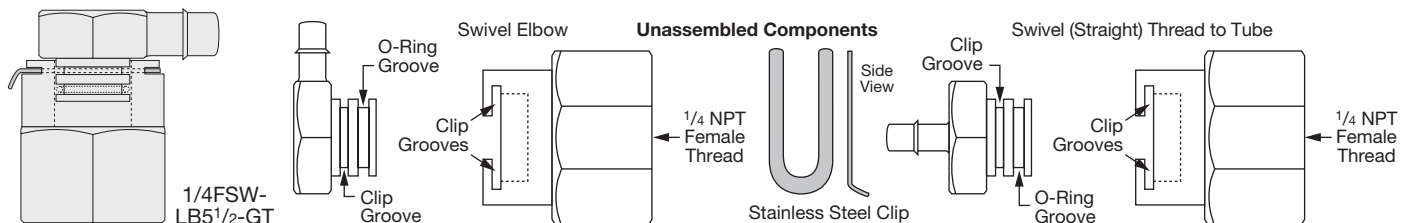
Unassembled Components

1/4 NPT Female Thread to Tube Swivel Fittings with Clip Groove**946**

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**947**

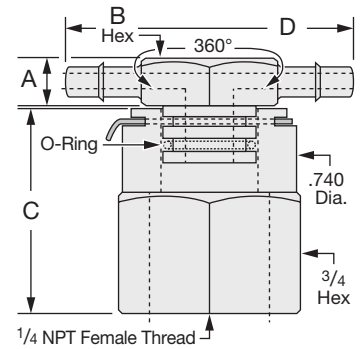
Tube ID	Part Numbers				Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Ref.	C Ref.	D Ref.
1/16	1/4FSW-LB1-GT	1/4FSW-LB1-GT-SS	1/4FSW-LB1-GT-316SS	1/4FSW-LB1-GT-NP	3/16	9/16	.740	1/2
5/64 / 2mm	1/4FSW-LB2-GT	1/4FSW-LB2-GT-SS	1/4FSW-LB2-GT-316SS	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



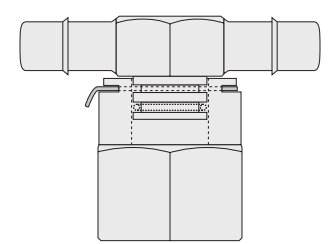
948

1/4 NPT Female Thread to Tube Swivel Tees with Clip Groove

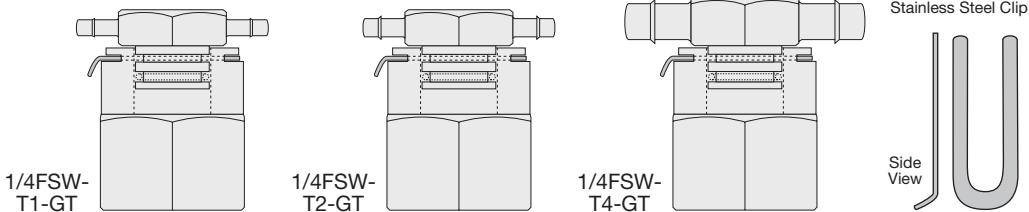
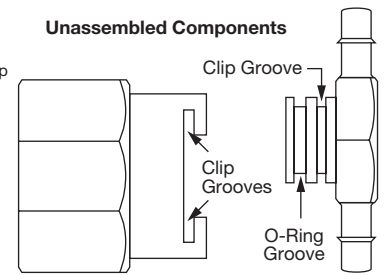
Tube ID	Part Numbers				Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Ref.	C Ref.	D Ref.
1/16	1/4FSW-T1-GT	1/4FSW-T1-GT-SS	1/4FSW-T1-GT-316SS	1/4FSW-T1-GT-NP	3/16	9/16	.740	1
5/64 / 2mm	1/4FSW-T2-GT	1/4FSW-T2-GT-SS	1/4FSW-T2-GT-316SS	1/4FSW-T2-GT-NP	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 5/16
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 5/16
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



Square Swivel Body options available!



Unassembled Components



949

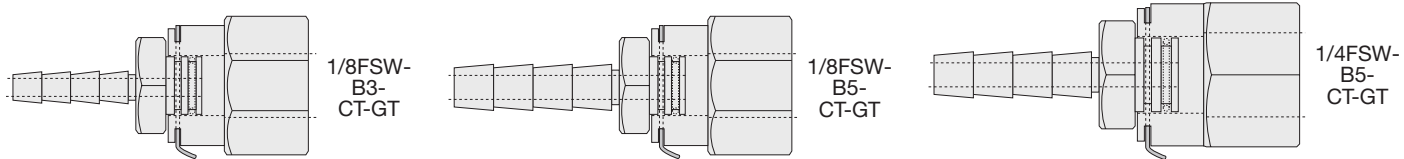
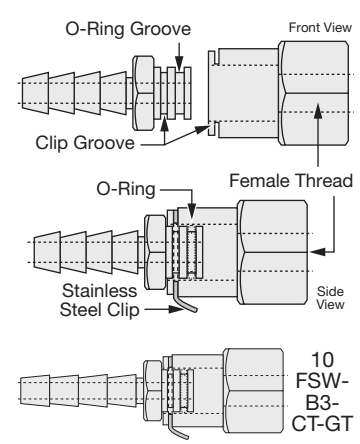
Female Thread to Tube/Hose Multi-Barb Swivel Fittings with Clip Groove

Branches		Branches		Branches		Branches		NPT Male Thread Sizes	NPT 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
5/64 / 2mm	B2	5/32 / 4mm	B3 1/2	7/32	B5 1/2	5/16 / 8mm	B7	1/8	1/2
3/32	B2 1/2	.170	B4	6mm	B5 3/4	3/8	B8	1/4	5/8
						1/2	B10		

Consult factory for details and dimensions!

Other thread options available! Consult factory for details!

Part Numbers for Female Thread to Tube Multi-Barb Swivel Fittings:

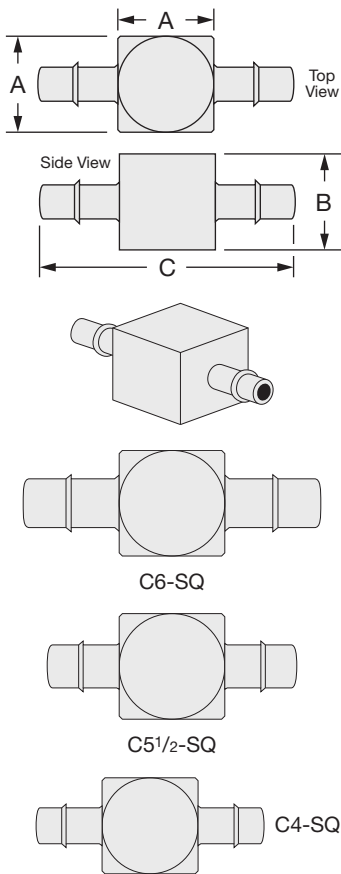


Unless otherwise specified, parts will be Brass. To order other materials, add the following codes to the end of the part number:
-SS = Stainless Steel 303 **-316SS = Stainless Steel 316** **-AL = Aluminum** **-NP = Electroless Nickel Plate**

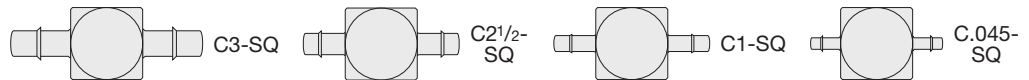
Tube to Tube Square Sided Couplings

950

P2

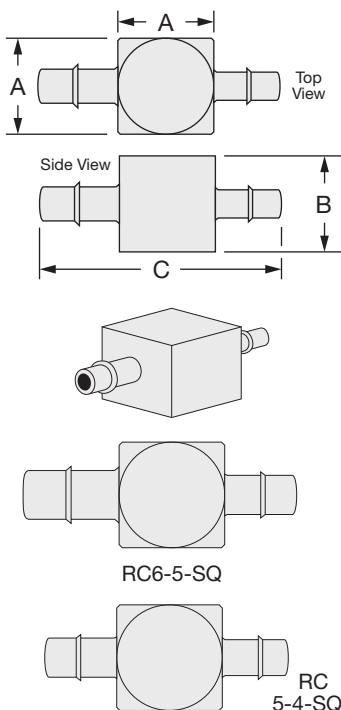


Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Ref.	C Ref.
1/32	C.031-SQ	C.031-SQ-SS	C.031-SQ-316SS	C.031-SQ-NP	3/8	3/8	1 1/16
.040 / 1mm	C.040-SQ	C.040-SQ-SS	C.040-SQ-316SS	C.040-SQ-NP	3/8	3/8	1 1/16
3/64	C.045-SQ	C.045-SQ-SS	C.045-SQ-316SS	C.045-SQ-NP	3/8	3/8	1 1/16
.050	C.050-SQ	C.050-SQ-SS	C.050-SQ-316SS	C.050-SQ-NP	3/8	3/8	1 1/16
1/16	C1-SQ	C1-SQ-SS	C1-SQ-316SS	C1-SQ-NP	3/8	3/8	1 3/16
5/64 / 2mm	C2-SQ	C2-SQ-SS	C2-SQ-316SS	C2-SQ-NP	3/8	3/8	1 3/16
3/32	C2 1/2-SQ	C2 1/2-SQ-SS	C2 1/2-SQ-316SS	C2 1/2-SQ-NP	3/8	3/8	1 3/16
1/8	C3-SQ	C3-SQ-SS	C3-SQ-316SS	C3-SQ-NP	3/8	3/8	1.00
5/32 / 4mm	C3 1/2-SQ	C3 1/2-SQ-SS	C3 1/2-SQ-316SS	C3 1/2-SQ-NP	1/2	1/2	1.00
.170	C4-SQ	C4-SQ-SS	C4-SQ-316SS	C4-SQ-NP	1/2	1/2	1.00
3/16	C5-SQ	C5-SQ-SS	C5-SQ-316SS	C5-SQ-NP	.550	.550	1.300
7/32	C5 1/2-SQ	C5 1/2-SQ-SS	C5 1/2-SQ-316SS	C5 1/2-SQ-NP	.550	.550	1.300
6mm	C5 3/4-SQ	C5 3/4-SQ-SS	C5 3/4-SQ-316SS	C5 3/4-SQ-NP	.550	.550	1.550
3/8	C6-SQ	C6-SQ-SS	C6-SQ-316SS	C6-SQ-NP	.550	.550	1.550



Tube to Tube Square Sided Reducing Couplings

951

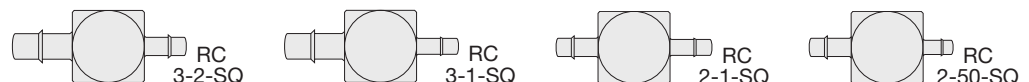


Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Ref.	C Ref.
1/32	.031	3/8	3/8	Consult Factory
.040 / 1mm	.040	3/8	3/8	
3/64	.045	3/8	3/8	
.050	.050	3/8	3/8	
1/16	1	3/8	3/8	
5/64 / 2mm	2	3/8	3/8	
3/32	2 1/2	3/8	3/8	

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Ref.	C Ref.
1/8	3	3/8	3/8	Consult Factory
5/32 / 4mm	3 1/2	1/2	1/2	
.170	4	1/2	1/2	
3/16	5	.550	.550	
7/32	5 1/2	.550	.550	
6mm	5 3/4	.550	.550	
1/4	6	.550	.550	

Part Numbers for Square Sided Tube to Tube Reducing Couplings:

Fitting Series	→ RC	#	-	#	-	SQ	← Square Body Indicator
		↑		↑			
		Larger Branch #		Smaller Branch #			

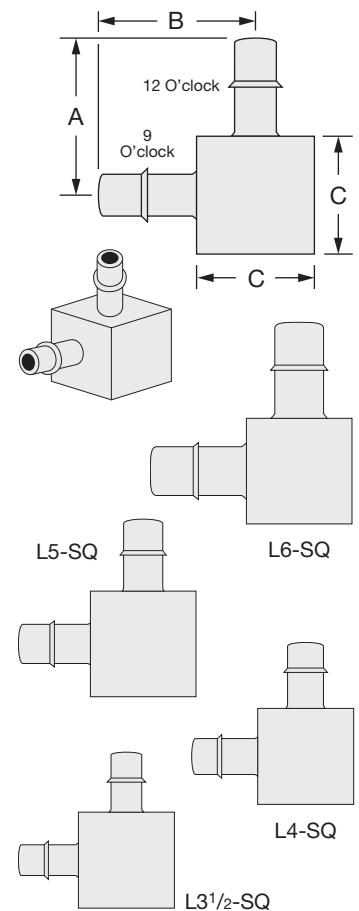
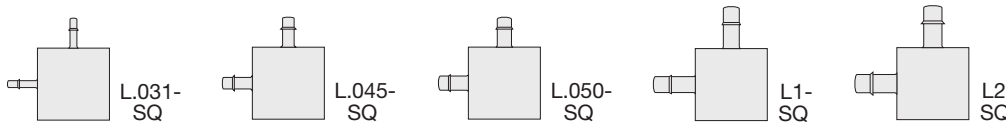


Unless otherwise specified, parts will be Brass. To order other materials, please add the following codes to the part number:
-SS = Stainless Steel 303 **-316SS = Stainless Steel 316** **-NP = Electroless Nickel Plate**

952

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	1 1/32	1 1/32	3/8
.040 / 1mm	L.040-SQ	L.040-SQ-SS	L.040-SQ-316SS	L.040-SQ-NP	1 1/32	1 1/32	3/8
3/64	L.045-SQ	L.045-SQ-SS	L.045-SQ-316SS	L.045-SQ-NP	1 1/32	1 1/32	3/8
.050	L.050-SQ	L.050-SQ-SS	L.050-SQ-316SS	L.050-SQ-NP	1 1/32	1 1/32	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



953

Tube to Tube Square Sided Reducing Elbows

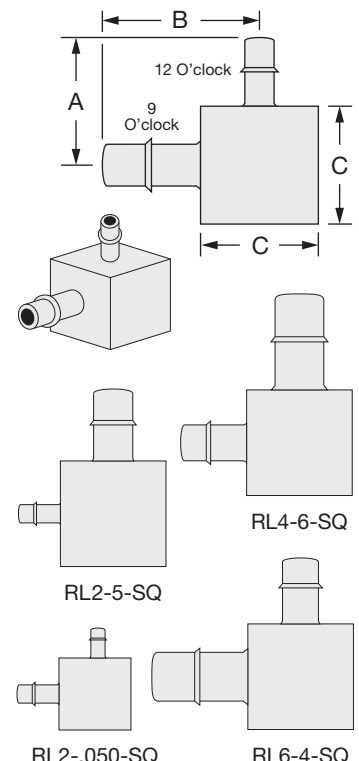
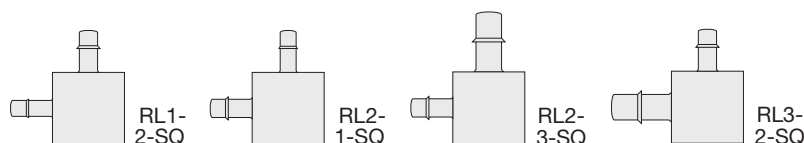
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Ref.	C Ref.
1/32	.031	3/8	Consult Factory	Consult Factory
.040 / 1mm	.040	3/8	Consult Factory	Consult Factory
3/64	.045	3/8	Consult Factory	Consult Factory
.050	.050	3/8	Consult Factory	Consult Factory
1/16	1	3/8	Consult Factory	Consult Factory
5/64 / 2mm	2	3/8	Consult Factory	Consult Factory
3/32	2 1/2	3/8	Consult Factory	Consult Factory

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Ref.	C Ref.
1/8	3	3/8	Consult Factory	Consult Factory
5/32 / 4mm	3 1/2	1/2	Consult Factory	Consult Factory
.170	4	1/2	Consult Factory	Consult Factory
3/16	5	.550	Consult Factory	Consult Factory
7/32	5 1/2	.550	Consult Factory	Consult Factory
6mm	5 3/4	.550	Consult Factory	Consult Factory
1/4	6	.550	Consult Factory	Consult Factory

Part Numbers for Square Sided Tube to Tube Reducing Couplings:



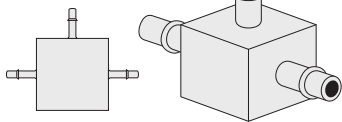
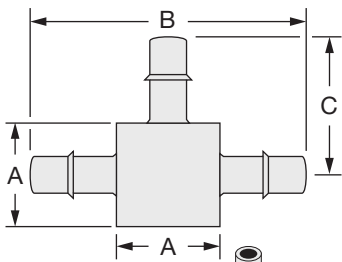
Material options listed on previous page!



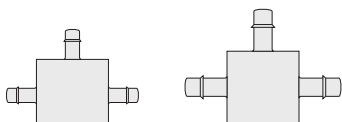
Tube to Tube Square Sided Tees

954

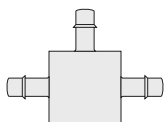
P2



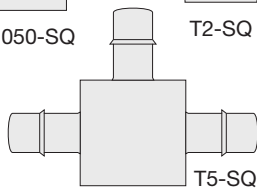
T.031-SQ



T.050-SQ



T2-SQ

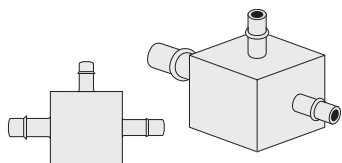
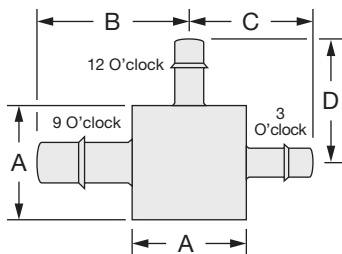


T5-SQ

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Ref.	C Ref.
1/32	T.031-SQ	T.031-SQ-SS	T.031-SQ-316SS	T.031-SQ-NP	3/8	1 1/16	1 1/32
.040 / 1mm	T.040-SQ	T.040-SQ-SS	T.040-SQ-316SS	T.040-SQ-NP	3/8	1 1/16	1 1/32
3/64	T.045-SQ	T.045-SQ-SS	T.045-SQ-316SS	T.045-SQ-NP	3/8	1 1/16	1 1/32
.050	T.050-SQ	T.050-SQ-SS	T.050-SQ-316SS	T.050-SQ-NP	3/8	1 1/16	1 1/32
1/16	T1-SQ	T1-SQ-SS	T1-SQ-316SS	T1-SQ-NP	3/8	1 3/16	1 3/32
5/64 / 2mm	T2-SQ	T2-SQ-SS	T2-SQ-316SS	T2-SQ-NP	3/8	1 3/16	1 3/32
3/32	T2 1/2-SQ	T2 1/2-SQ-SS	T2 1/2-SQ-316SS	T2 1/2-SQ-NP	3/8	1 3/16	1 3/32
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

955

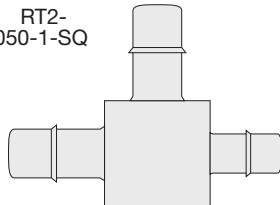


RT2-.050-1-SQ

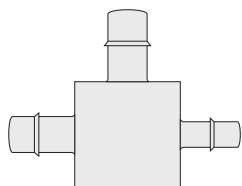
Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Ref.	C Ref.	D Ref.
1/32	.031	3/8	Consult Factory		
.040 / 1mm	.040	3/8	Consult Factory		
3/64	.045	3/8	Consult Factory		
.050	.050	3/8	Consult Factory		
1/16	1	3/8	Consult Factory		
5/64 / 2mm	2	3/8	Consult Factory		
3/32	2 1/2	3/8	Consult Factory		

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Ref.	C Ref.	D Ref.
1/8	3	3/8	Consult Factory		
5/32 / 4mm	3 1/2	1/2	Consult Factory		
.170	4	1/2	Consult Factory		
3/16	5	.550	Consult Factory		
7/32	5 1/2	.550	Consult Factory		
6mm	5 3/4	.550	Consult Factory		
1/4	6	.550	Consult Factory		

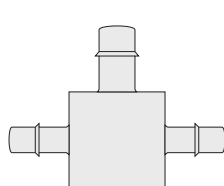
Note: Images are for visual representation only; not intended for dimensional measurements.



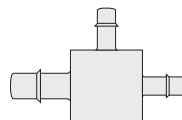
RT6-6-5-SQ



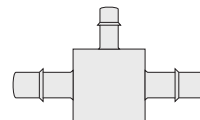
RT4-5-3-SQ



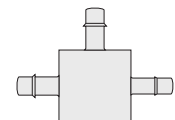
RT3-4-3-SQ



RT3-2-3-SQ



RT3-2-3-SQ



RT2-2-1-SQ

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 #

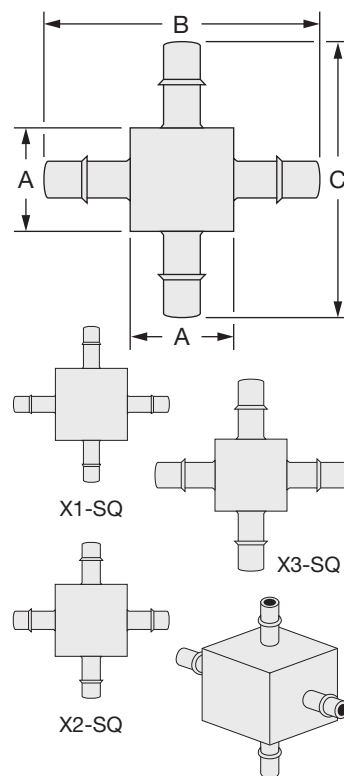
SQ ← Square Body Indicator

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**

956

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	1 1/16	1 1/16
.040 / 1mm	X.040-SQ	X.040-SQ-SS	X.040-SQ-316SS	X.040-SQ-NP	3/8	1 1/16	1 1/16
3/64	X.045-SQ	X.045-SQ-SS	X.045-SQ-316SS	X.045-SQ-NP	3/8	1 1/16	1 1/16
.050	X.050-SQ	X.050-SQ-SS	X.050-SQ-316SS	X.050-SQ-NP	3/8	1 1/16	1 1/16
1/16	X1-SQ	X1-SQ-SS	X1-SQ-316SS	X1-SQ-NP	3/8	1 3/16	1 3/16
5/64 / 2mm	X2-SQ	X2-SQ-SS	X2-SQ-316SS	X2-SQ-NP	3/8	1 3/16	1 3/16
3/32	X2 1/2-SQ	X2 1/2-SQ-SS	X2 1/2-SQ-316SS	X2 1/2-SQ-NP	3/8	1 3/16	1 3/16
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



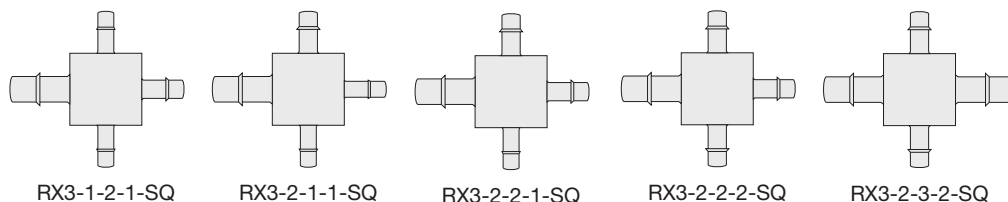
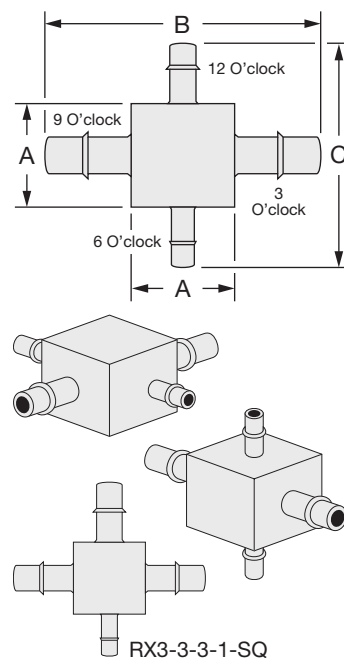
P2

957

Tube to Tube Square Sided Reducing Crosses

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Ref.	C Ref.
1/32	.031	3/8	Consult Factory	
.040 / 1mm	.040	3/8	Consult Factory	
3/64	.045	3/8	Consult Factory	
.050	.050	3/8	Consult Factory	
1/16	1	3/8	Consult Factory	
5/64 / 2mm	2	3/8	Consult Factory	
3/32	2 1/2	3/8	Consult Factory	

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Ref.	C Ref.
1/8	3	3/8	Consult Factory	
5/32 / 4mm	3 1/2	1/2	Consult Factory	
.170	4	1/2	Consult Factory	
3/16	5	.550	Consult Factory	
7/32	5 1/2	.550	Consult Factory	
6mm	5 3/4	.550	Consult Factory	
1/4	6	.550	Consult Factory	



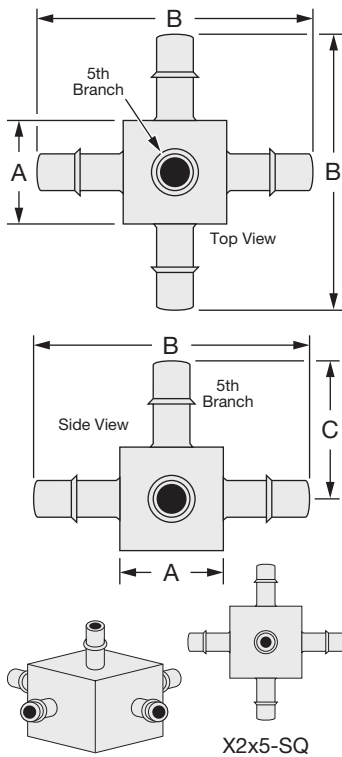
Part Numbers for Square Sided Tube to Tube Reducing Crosses:														
Fitting Series	→	RX		#	-	#	-	#	-	#	-	SQ	←	Square Body Indicator
				9 O'clock Branch		12 O'clock Branch		3 O'clock Branch		6 O'clock Branch				

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**

Tube to Tube Square Sided Five Branch Crosses

958

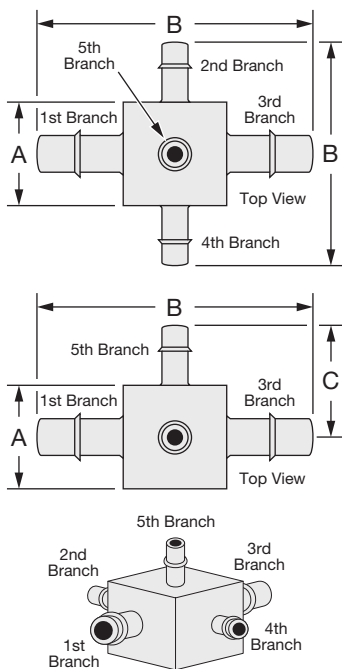
P2



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	1 1/16	1 1/32
.040 / 1mm	X.040x5-SQ	X.040x5-SQ-SS	X.040x5-SQ-316SS	X.040x5-SQ-NP	3/8	1 1/16	1 1/32
3/64	X.045x5-SQ	X.045x5-SQ-SS	X.045x5-SQ-316SS	X.045x5-SQ-NP	3/8	1 1/16	1 1/32
.050	X.050x5-SQ	X.050x5-SQ-SS	X.050x5-SQ-316SS	X.050x5-SQ-NP	3/8	1 1/16	1 1/32
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

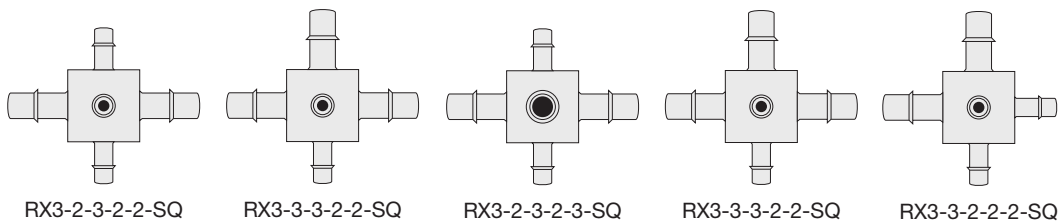
Tube to Tube Square Sided Five Branch Crosses

959



Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Ref.	C Ref.	D Ref.
1/32	.031	3/8	Consult Factory		
.040 / 1mm	.040	3/8	Consult Factory		
3/64	.045	3/8	Consult Factory		
.050	.050	3/8	Consult Factory		
1/16	1	3/8	Consult Factory		
5/64 / 2mm	2	3/8	Consult Factory		
3/32	2 1/2	3/8	Consult Factory		

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Ref.	C Ref.	D Ref.
1/8	3	3/8	Consult Factory		
5/32 / 4mm	3 1/2	1/2	Consult Factory		
.170	4	1/2	Consult Factory		
3/16	5	.550	Consult Factory		
7/32	5 1/2	.550	Consult Factory		
6mm	5 3/4	.550	Consult Factory		
1/4	6	.550	Consult Factory		



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:

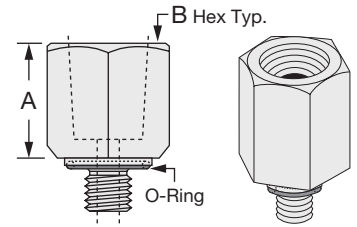
-SS = Stainless Steel 303

-316SS = Stainless Steel 316

-NP = Electroless Nickel Plate

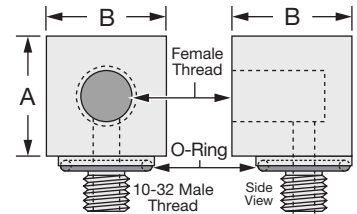
960 10-32 Male Threaded Solenoid Valve Straight Adapters with Captive O-Ring

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	10-32x1/8-F-O	10-32x1/8-F-O-SS	10-32x1/8-F-O-316SS	10-32x1/8-F-O-AL	10-32x1/8-F-O-NP	1/2	1/2
1/4	10-32x1/4-F-O	10-32x1/4-F-O-SS	10-32x1/4-F-O-316SS	10-32x1/4-F-O-AL	10-32x1/4-F-O-NP	1/2	5/8



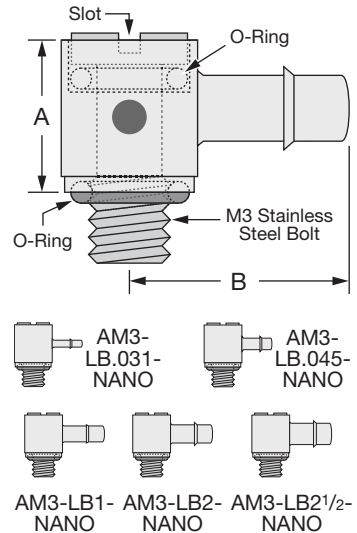
961 10-32 Male Threaded Solenoid Valve 90° Elbow Adapters with Captive O-Ring

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	10-32x1/8-FL-O	10-32x1/8-FL-O-SS	10-32x1/8-FL-O-316SS	10-32x1/8-FL-O-AL	10-32x1/8-FL-O-NP	1/2	1/2
1/4	10-32x1/4-FL-O	10-32x1/4-FL-O-SS	10-32x1/4-FL-O-316SS	10-32x1/4-FL-O-AL	10-32x1/4-FL-O-NP	5/8	5/8



962 M3 Threaded Nano Adjustable Elbow with Square Body & Stainless Steel Bolt

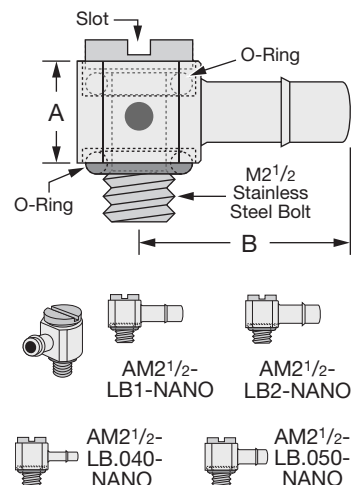
Tube ID	Part Numbers				Dimensions (Reference)	
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Ref.
1/50*	AM3-LB.025-NANO	AM3-LB.025-NANO-SS	AM3-LB.025-NANO-316SS	AM3-LB.025-NANO-NP	Consult Factory	Consult Factory
1/32	AM3-LB.031-NANO	AM3-LB.031-NANO-SS	AM3-LB.031-NANO-316SS	AM3-LB.031-NANO-NP	Consult Factory	Consult Factory
.040 / 1mm	AM3-LB.040-NANO	AM3-LB.040-NANO-SS	AM3-LB.040-NANO-316SS	AM3-LB.040-NANO-NP	Consult Factory	Consult Factory
3/64	AM3-LB.045-NANO	AM3-LB.045-NANO-SS	AM3-LB.045-NANO-316SS	AM3-LB.045-NANO-NP	Consult Factory	Consult Factory
.050	AM3-LB.050-NANO	AM3-LB.050-NANO-SS	AM3-LB.050-NANO-316SS	AM3-LB.050-NANO-NP	Consult Factory	Consult Factory
1/16	AM3-LB1-NANO	AM3-LB1-NANO-SS	AM3-LB1-NANO-316SS	AM3-LB1-NANO-NP	Consult Factory	Consult Factory
5/64 / 2mm	AM3-LB2-NANO	AM3-LB2-NANO-SS	AM3-LB2-NANO-316SS	AM3-LB2-NANO-NP	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory



*.025 branch (1/50" tube ID) by special request only!

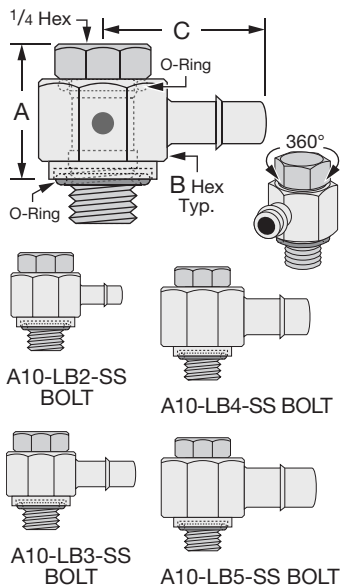
963 M2 1/2 Threaded Nano Adjustable Elbow with Rounded Body & Stainless Steel Bolt

Tube ID	Part Numbers				Dimensions (Reference)	
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Ref.
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	.140	.163
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	.140	.241
.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	.140	.241
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	.140	.241
.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	.140	.241
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	.140	.304
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	.140	.304
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	.140	.304



10-32 Thread to Tube Adjustable Elbows with 303 Stainless Steel Bolts

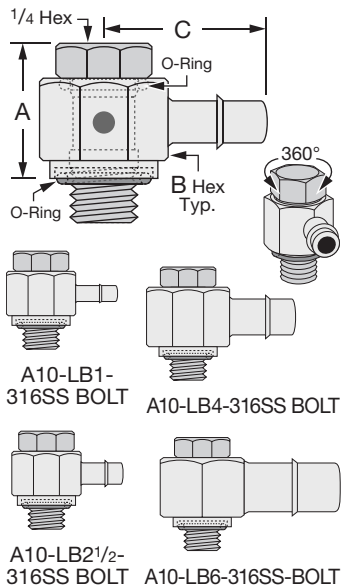
964



Tube ID	Part Numbers		Dimensions (Reference)		
	Brass	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	A10-LB1-SS BOLT	A10-LB1-NP-SS BOLT	1 1/32	5/16	25/64
5/64 / 2mm	A10-LB2-SS BOLT	A10-LB2-NP-SS BOLT	1 1/32	5/16	25/64
3/32	A10-LB2 1/2-SS BOLT	A10-LB2 1/2-NP-SS BOLT	1 1/32	5/16	25/64
1/8	A10-LB3-SS BOLT	A10-LB3-NP-SS BOLT	1 1/32	5/16	33/64
5/32 / 4mm	A10-LB3 1/2-SS BOLT	A10-LB3 1/2-NP-SS BOLT	1 1/32	5/16	33/64
.170	A10-LB4-SS BOLT	A10-LB4-NP-SS BOLT	.465	3/8	9/16
3/16	A10-LB5-SS BOLT	A10-LB5-NP-SS BOLT	.465	3/8	9/16
7/32	A10-LB5 1/2-SS BOLT	A10-LB5 1/2-NP-SS BOLT	.465	3/8	9/16
6mm	A10-LB5 3/4-SS BOLT	A10-LB5 3/4-NP-SS BOLT	.465	7/16	23/32
1/4	A10-LB6-SS BOLT	A10-LB6-NP-SS BOLT	.465	7/16	23/32

10-32 Thread to Tube Adjustable Elbows with 316 Stainless Steel Bolts

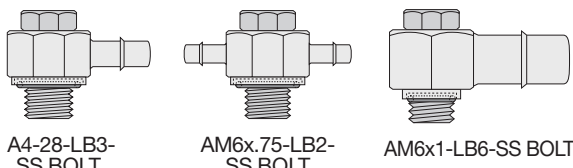
965



Tube ID	Part Numbers		Dimensions (Reference)		
	Brass	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	A10-LB1-316SS BOLT	A10-LB1-NP-316SS BOLT	1 1/32	5/16	25/64
5/64 / 2mm	A10-LB2-316SS BOLT	A10-LB2-NP-316SS BOLT	1 1/32	5/16	25/64
3/32	A10-LB2 1/2-316SS BOLT	A10-LB2 1/2-NP-316SS BOLT	1 1/32	5/16	25/64
1/8	A10-LB3-316SS BOLT	A10-LB3-NP-316SS BOLT	1 1/32	5/16	33/64
5/32 / 4mm	A10-LB3 1/2-316SS BOLT	A10-LB3 1/2-NP-316SS BOLT	1 1/32	5/16	33/64
.170	A10-LB4-316SS BOLT	A10-LB4-NP-316SS BOLT	.465	3/8	9/16
3/16	A10-LB5-316SS BOLT	A10-LB5-NP-316SS BOLT	.465	3/8	9/16
7/32	A10-LB5 1/2-316SS BOLT	A10-LB5 1/2-NP-316SS BOLT	.465	3/8	9/16
6mm	A10-LB5 3/4-316SS BOLT	A10-LB5 3/4-NP-316SS BOLT	.465	7/16	23/32
1/4	A10-LB6-316SS BOLT	A10-LB6-NP-316SS BOLT	.465	7/16	23/32

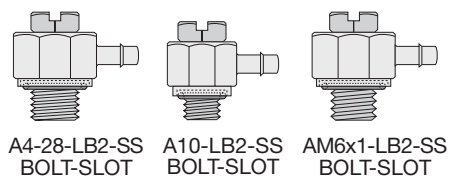
O-Ring material options are listed on page 65!

1/4-28, M6x.75, & M6x1 Adjustable Fittings available!

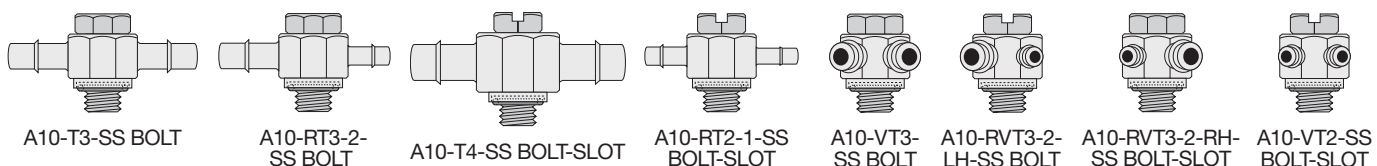


Consult factory for details!

Slotted Stainless Steel Bolts available!



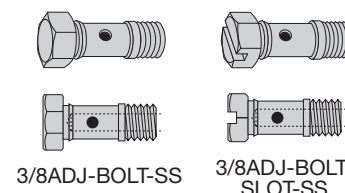
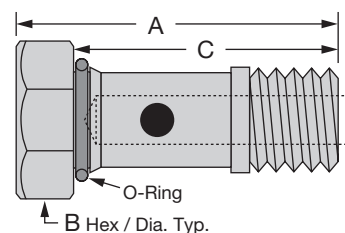
Adjustable Tees & V-Tees available! See pages 80-102 some of the options! Consult factory for details!



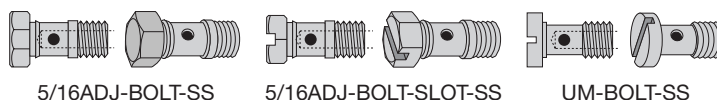
966

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	.510	1/4	.355
5/16	Slotted	5/16ADJ-BOLT-SLOT-SS	5/16ADJ-BOLT-SLOT-316SS	.510	1/4	.355
3/8	Standard	3/8ADJ-BOLT-SS	3/8ADJ-BOLT-316SS	.589	1/4	.434
3/8	Slotted	3/8ADJ-BOLT-SLOT-SS	3/8ADJ-BOLT-SLOT-316SS	.589	1/4	.434
Ultra-Mini	Slotted	UM-BOLT-SS	UM-BOLT-316SS	.445	9/32	.365



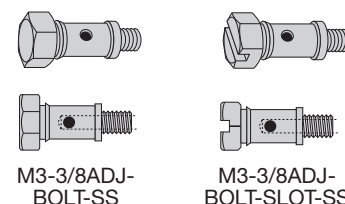
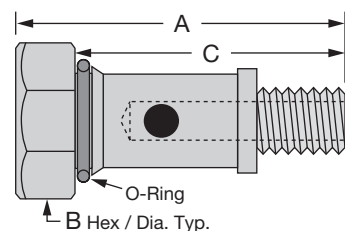
See pages 80-102
for 10-32
Adjustable Fittings!



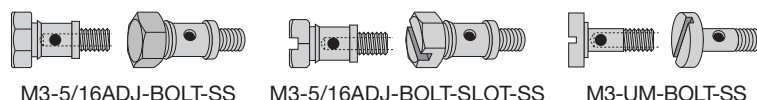
967

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	.510	1/4	.355
5/16	Slotted	M3-5/16ADJ-BOLT-SLOT-SS	M3-5/16ADJ-BOLT-SLOT-316SS	.510	1/4	.355
3/8	Standard	M3-3/8ADJ-BOLT-SS	M3-3/8ADJ-BOLT-316SS	.589	1/4	.434
3/8	Slotted	M3-3/8ADJ-BOLT-SLOT-SS	M3-3/8ADJ-BOLT-SLOT-316SS	.589	1/4	.434
Ultra-Mini	Slotted	M3-UM-BOLT-SS	M3-UM-BOLT-316SS	.445	9/32	.365



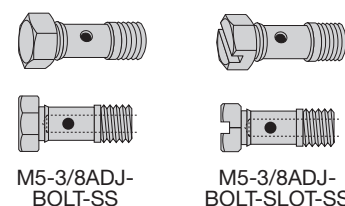
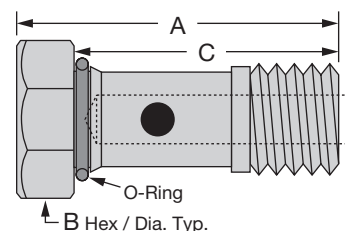
See pages
472 & 474 for M3
Adjustable Fittings!



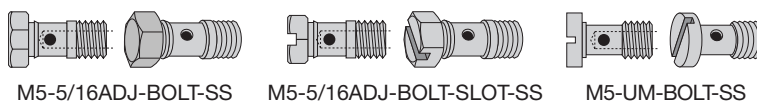
968

M5 Threaded Stainless Steel Bolts for Mini & Ultra Mini Adjustable Fittings

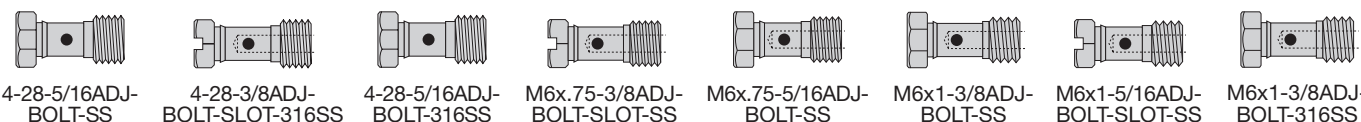
Fitting Body Size	Bolt Type	Part Numbers		Dimensions (Reference)		
		Stainless Steel 303	Stainless Steel 316	A Ref.	B Typ.	C Ref.
5/16	Standard	M5-5/16ADJ-BOLT-SS	M5-5/16ADJ-BOLT-316SS	.510	1/4	.355
5/16	Slotted	M5-5/16ADJ-BOLT-SLOT-SS	M5-5/16ADJ-BOLT-SLOT-316SS	.510	1/4	.355
3/8	Standard	M5-3/8ADJ-BOLT-SS	M5-3/8ADJ-BOLT-316SS	.589	1/4	.434
3/8	Slotted	M5-3/8ADJ-BOLT-SLOT-SS	M5-3/8ADJ-BOLT-SLOT-316SS	.589	1/4	.434
Ultra-Mini	Slotted	M5-UM-BOLT-SS	M5-UM-BOLT-316SS	.445	9/32	.365



See pages
473 & 475 for M5
Adjustable Fittings!

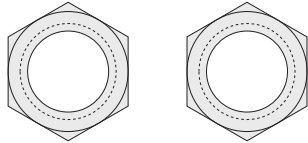
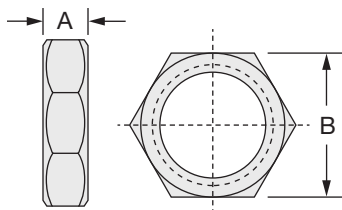
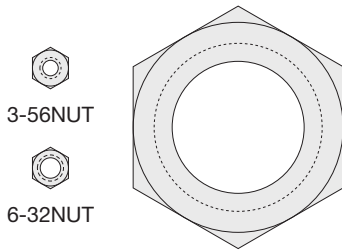


1/4-28, M6x.75, and M6x1 threaded 303 and 316 Stainless Steel Bolts available! Consult factory for details!

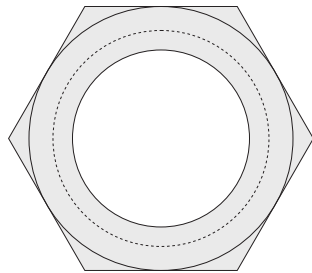


Nuts

969

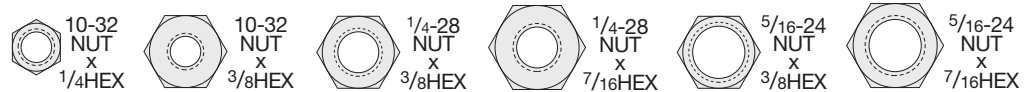
3/8-24NUTx⁹/₁₆HEX 1/2-13NUT

3/4-16NUT



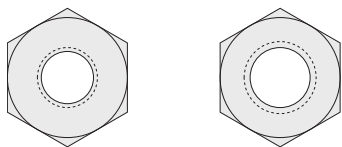
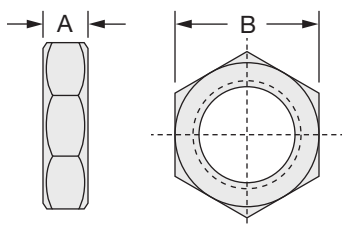
1 1/8-14NUT

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



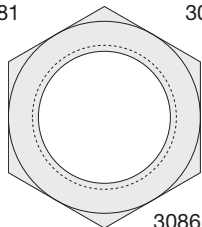
G/T Nuts

970



3081

3082



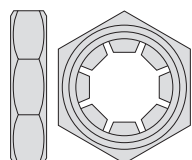
3086

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	1 1/16
1 1/16-24	3083-A	3083-A-SS	3083-A-316SS	3083-A-AL	3083-A-NP	.15	1 3/16
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
1 1/16-24	3084-1	3084-1-SS	3084-1-316SS	3084-1-AL	3084-1-NP	.150	1 3/16
9/16-18	3085	3085-SS	3085-316SS	3085-AL	3085-NP	1/8	1 3/16
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

971

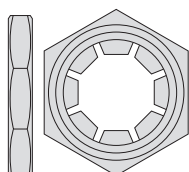
Aluminum All-in-One Lockwasher & Nut Combinations

Thread	Part Number	Dims. (Ref.)	
	Aluminum 6061-T6	A Ref	B Typ.
3/8-24	3/8-24LNW	1/8	9/16



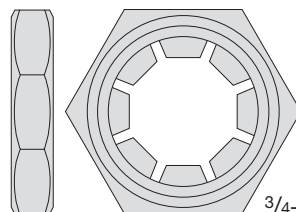
3/8-24LNW

Thread	Part Number	Dims. (Ref.)	
	Aluminum 6061-T6	A Ref	B Typ.
3/8-20	3/8-20LNW	3/16	3/4

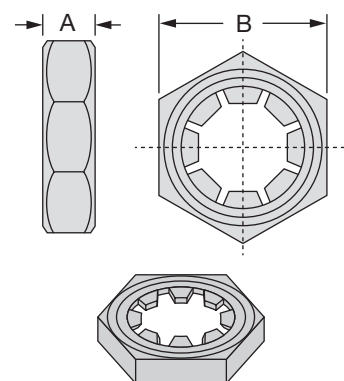


3/8-20LNW

Thread	Part Number	Dims. (Ref.)	
	Aluminum 6061-T6	A Ref	B Typ.
3/4-16	3/4-16LNW	7/32	1 1/16



3/4-16LNW



S2

Aluminum Lockwashers available!



10-32

1/4-28

3/8-24

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

Bronze Lockwashers available!



10-32

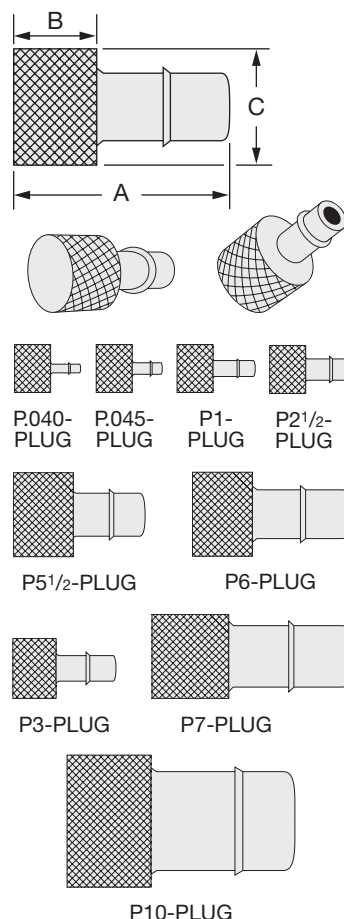
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3/8-24

972

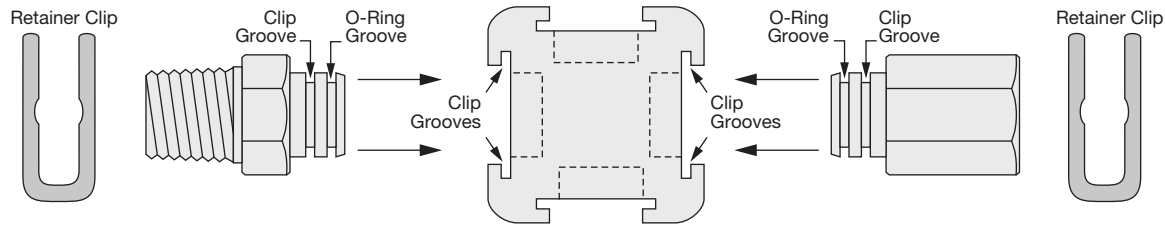
Diamond Knurled Tube Plugs

Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	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

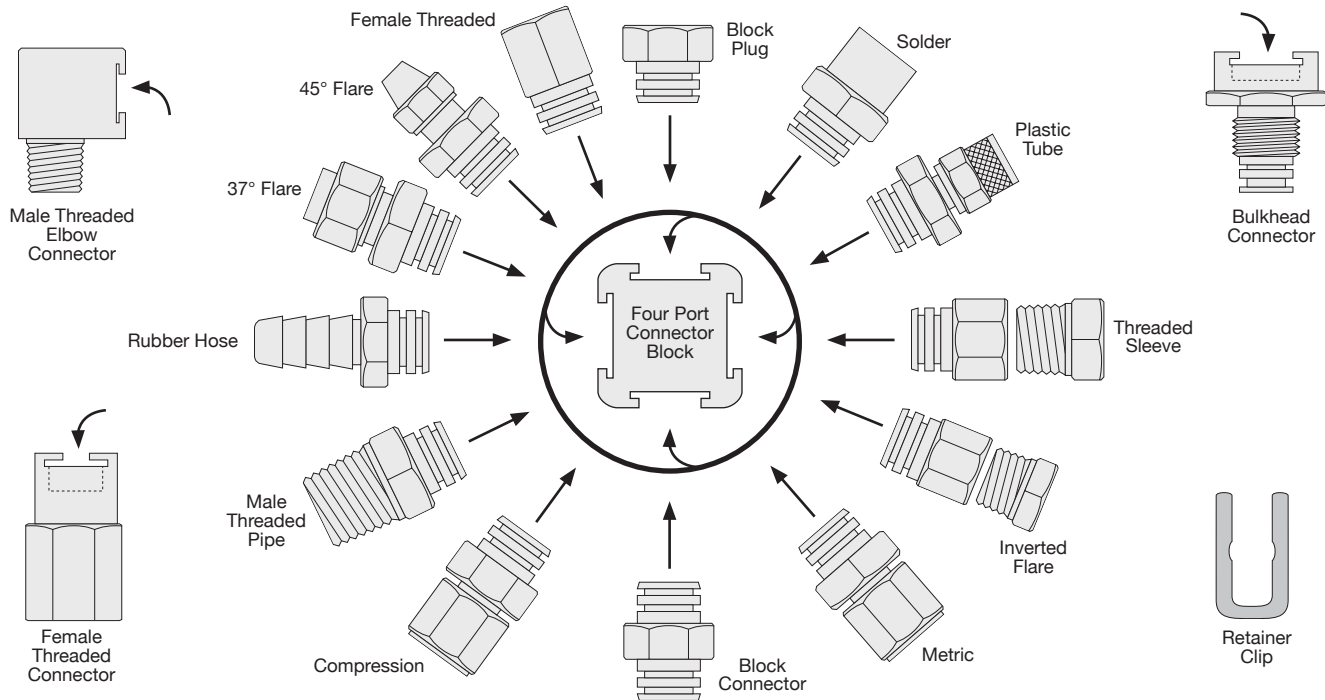


Other Plug options available!
Consult factory for details!

Modular Design Concept



To Assemble: Snap desired fitting into *Connector Block* hole; Insert the *Retainer Clip* into clip grooves.



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		

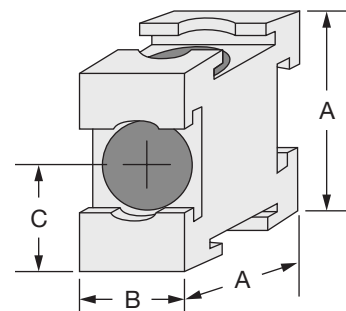
Advantages:

- 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 fittings not listed in commercial catalogs.
- Any fitting configuration assembles in seconds!
- Parts have 360° rotation. They can also be ordered as non-rotating.
- Aluminum parts can be anodized. Lead times & minimum quantities may apply.
- 10-32 systems are available upon request!

973

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

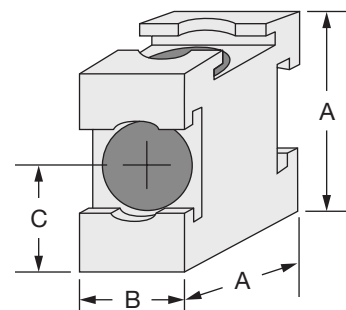


T2

974

Gra-Tec Three Port Tee Connectors

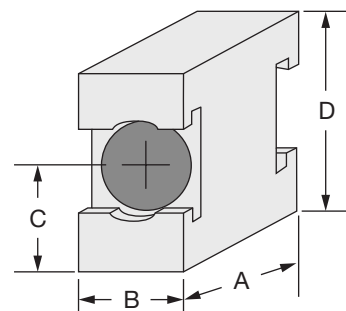
Clip System	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Ref.	C Ref.
1/16	1240	1240-SS	1240-316SS	1240-AL	1240-NP	.625	.375	.312
1/8	1241	1241-SS	1241-316SS	1241-AL	1241-NP	.812	.500	.406
1/4	1242	1242-SS	1242-316SS	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



975

Gra-Tec Two Port Connectors

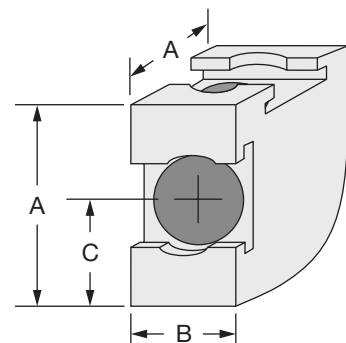
Clip System	Part Numbers					Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Ref.	C Ref.	D Ref.
1/16	2700	2700-SS	2700-316SS	2700-AL	2700-NP	.390	.376	.250	.500
1/8	2701	2701-SS	2701-316SS	2701-AL	2701-NP	.534	.500	.344	.688
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



976

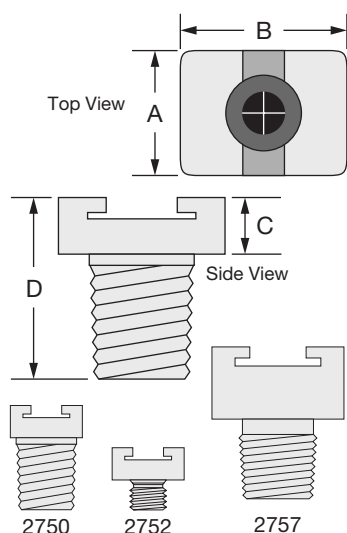
Gra-Tec 90° Elbow Connectors

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

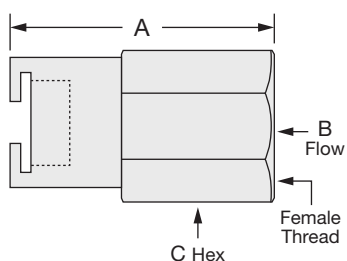


Larger Clip Systems available! Consult factory for details!

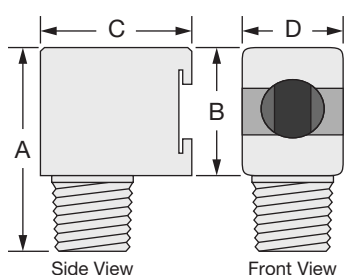
10-32 Clip Systems available upon request! Consult factory for details!

Gra-Tec Female to Male Pipe Thread Adapters
977


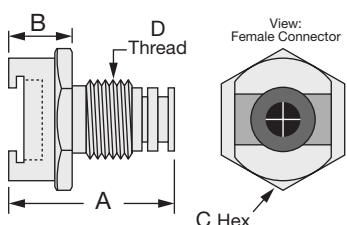
Clip System	Male Thread	Part Numbers					Dimensions (Reference)			
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Ref.	C Ref.	D Ref.
1/16	1/16	2750	2750-SS	2750-316SS	2750-AL	2750-NP	.500	.376	.168	.543
1/16	10-32	2752	2752-SS	2752-316SS	2752-AL	2752-NP	.500	.376	.250	.410
1/8	1/8	2754	2754-SS	2754-316SS	2754-AL	2754-NP	.698	.500	.327	.727
1/4	1/8	2757	2757-SS	2757-316SS	2757-AL	2757-NP	.822	.688	.376	.776
1/4	1/4	2758	2758-SS	2758-316SS	2758-AL	2758-NP	.822	.688	.376	.969
3/8	3/8	2763	2763-SS	2763-316SS	2763-AL	2763-NP	1.094	.812	.464	1.077
1/2	1/2	2769	2769-SS	2769-316SS	2769-AL	2769-NP	1.376	1.00	.586	1.336

Gra-Tec Female to Female Thread Adapters
978


Clip System	Female Thread	Part Numbers					Dimensions (Reference)		
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Flow	C Ref.
1/8	1/8	2724	2724-SS	2724-316SS	2724-AL	2724-NP	.730	.339	.625
1/4	1/8	2726	2726-SS	2726-316SS	2726-AL	2726-NP	.750	.339	.750
1/4	1/4	2727	2727-SS	2727-316SS	2727-AL	2727-NP	.840	.437	.750

Gra-Tec Female to Male Pipe Thread Elbow 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 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	1.405	.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
980


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 Ref.	D Ref.
1/8	1/8	3094	3094-SS	3094-316SS	3094-AL	3094-NP	.890	.450	.750	7/16-20
1/4	1/4	3098	3098-SS	3098-316SS	3098-AL	3098-NP	.920	.450	.875	9/16-18

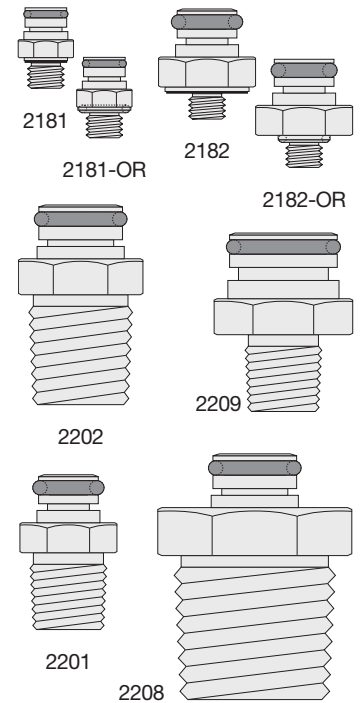
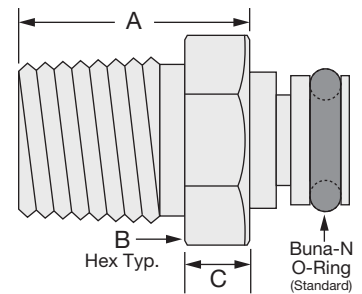
Larger Clip Systems available! Consult factory for details!

10-32 Clip Systems available upon request! Consult factory for details!

981

Gra-Tec Male to Male Pipe 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 w/ Fibre Gasket	2181	2181-SS	2181-316SS	2181-AL	2181-NP	.253	.250	.093
1/16	10-32 w/ O-Ring	2181-OR	2181-OR-SS	2181-OR-316SS	2181-OR-AL	2181-OR-NP	.253	.250	.093
1/16	1/8	2200	2200-SS	2200-316SS	2200-AL	2200-NP	.556	.437	.156
1/8	10-32 w/ Fibre Gasket	2182	2182-SS	2182-316SS	2182-AL	2182-NP	.316	.375	.156
1/8	10-32 w/ O-Ring	2182-OR	2182-OR-SS	2182-OR-316SS	2182-OR-AL	2182-OR-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



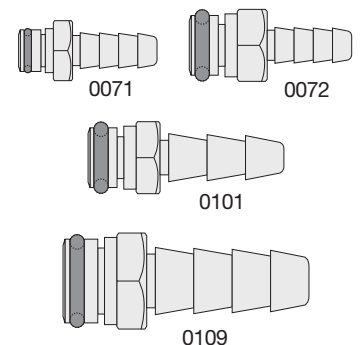
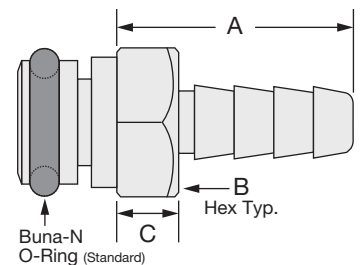
Note: Images are for visual representation only; not intended for dimensional measurements.

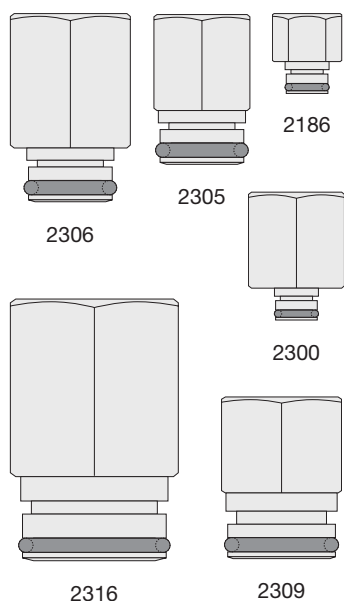
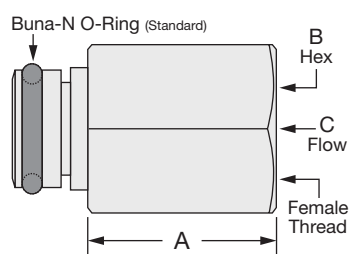
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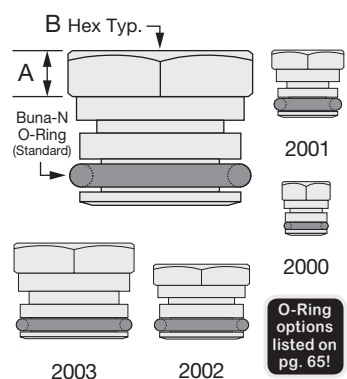
Gra-Tec Male to Hose and Tube Barb

Clip System	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	1/8	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

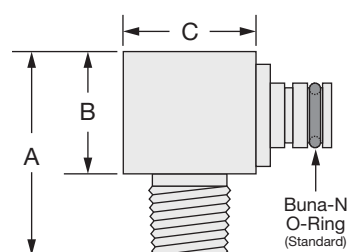


Gra-Tec Male to Female Thread Adapters**983**

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 Plugs**984**

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

Gra-Tec Male to Male Pipe Thread Elbows**985**

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

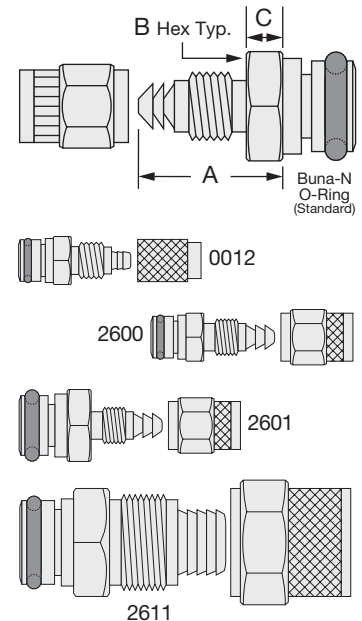
Larger Clip Systems available! Consult factory for details!

10-32 Clip Systems available upon request! Consult factory for details!

986

Gra-Tec Male to Plastic Tube (PTF)

Clip System	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.
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

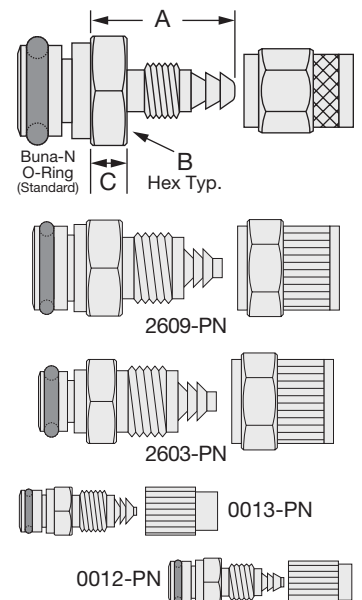


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987

Gra-Tec Male to Plastic Tube (PTF) for Strong Tubing

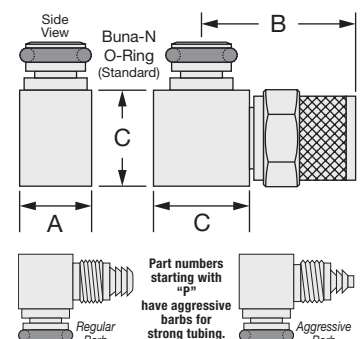
Clip System	Tube OD	Part Numbers					Dimensions (Reference)		
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	.096	0012-PN	0012-PN-SS	0012-PN-316SS	0012-PN-AL	0012-PN-NP	.403	.250	.093
1/8	.140	0013-PN	0013-PN-SS	0013-PN-316SS	0013-PN-AL	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



988

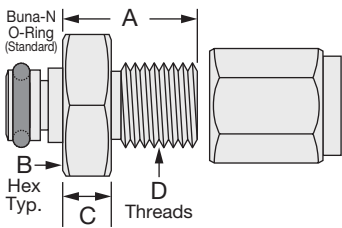
Gra-Tec Male to Plastic Tube Elbows

Clip System	Tube OD	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

990

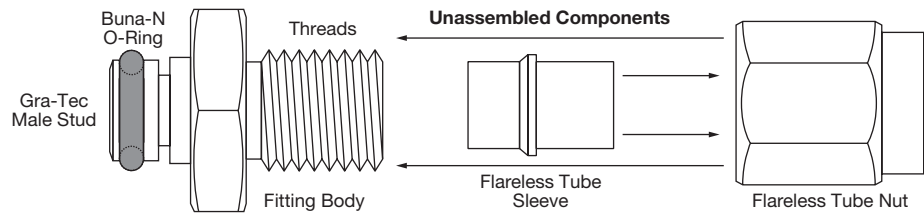


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3302

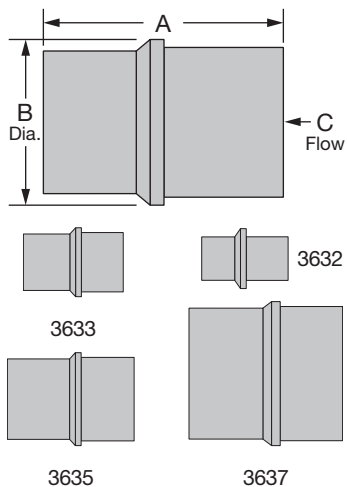
3330

Clip System	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.	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	1 1/16-12



Flareless Tube Sleeves

991

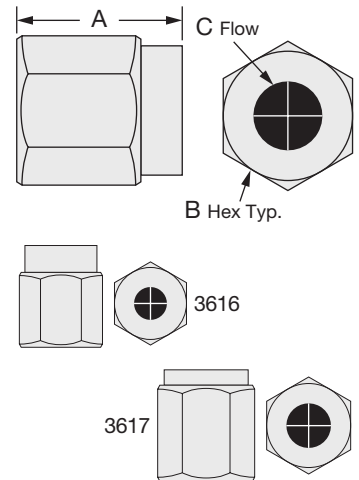


Tube O.D.	Part Numbers	Dimensions (Reference)		
	Stainless Steel 303	A Ref.	B Dia.	C Flow
1/8	3631	.410	.203	.129
3/16	3632	.450	.312	.193
1/4	3633	.520	.359	.255
5/16	3634	.590	.422	.318
3/8	3635	.660	.484	.380
1/2	3636	.750	.625	.506
5/8	3637	.800	.750	.633
3/4	3638	.750	.938	.756

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Flareless Tube Nuts

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
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

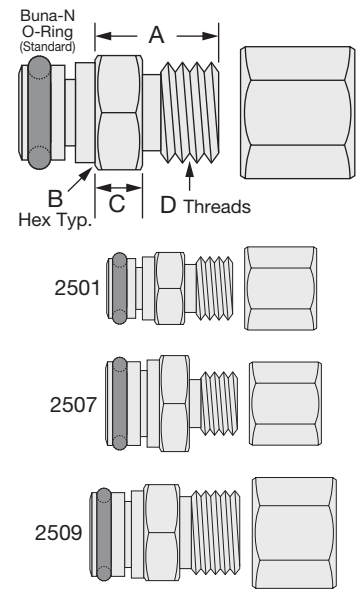
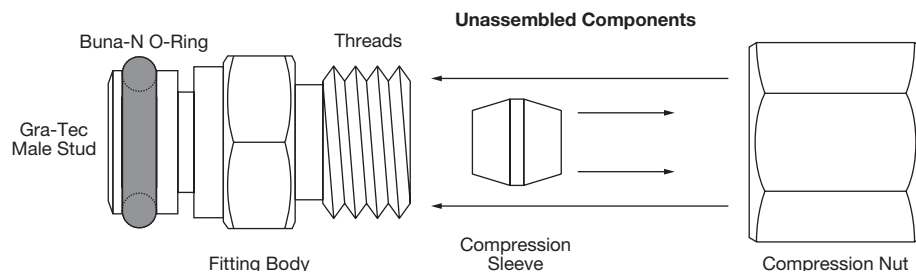


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993

Gra-Tec Male to Compression Fittings

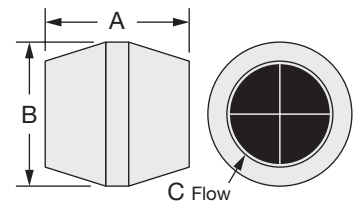
Clip System	Tube OD	Part Numbers					Dimensions (Reference)			
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Threads
1/8	1/8	2501	2501-SS	2501-316SS	2501-AL	2501-NP	.406	.375	.156	5/16-24
1/8	1/4	2503	2503-SS	2503-316SS	2503-AL	2503-NP	.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



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Compression Sleeves

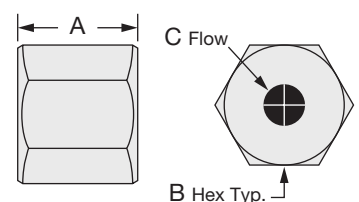
Tube OD	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Ref.	C Ref.
1/8	3401	3401-SS	3401-316SS	3401-AL	3401-NP	.187	.187	.130
1/4	3403	3403-SS	3403-316SS	3403-AL	3403-NP	.250	.344	.257



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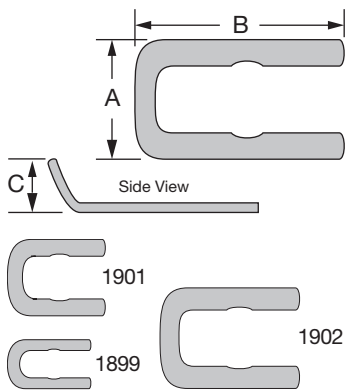
Compression Nuts

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.
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



Flat Retainer Clips

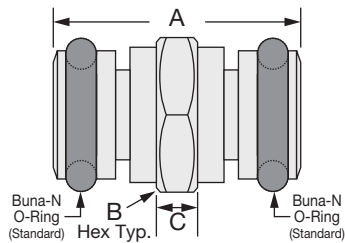
996



Clip System	Part Numbers	Dimensions (Reference)		
		A Ref.	B Ref.	C Ref.
10-32	1899	.225	.435	.135
1/16	1900	.280	.510	.144
1/8	1901	.398	.728	.240
1/4	1902	.524	.912	.244
3/8	1903	.704	1.046	.256
1/2	1904	.892	1.300	.322

Gra-Tec Male to Gra-Tec Male Non-Rotating Adapters

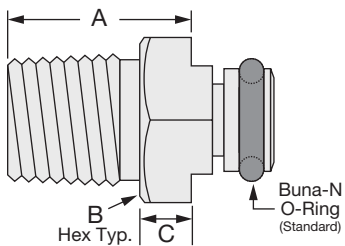
997



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

Gra-Tec Male to Male Pipe Thread Non-Rotating Adapters

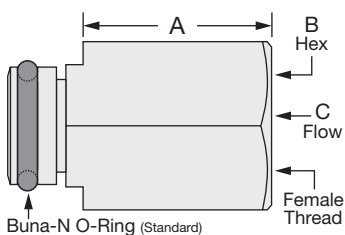
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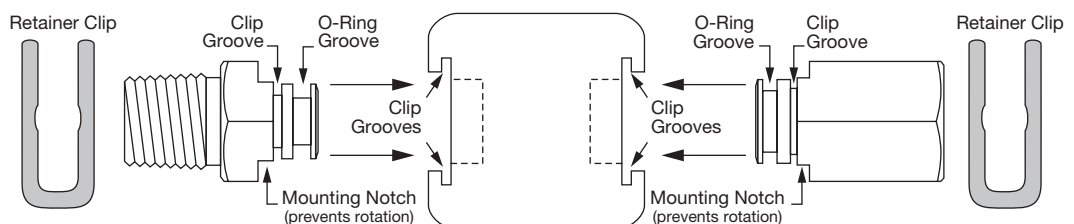
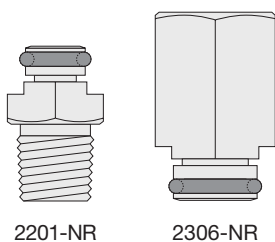
Clip System	Male Thread	Part Numbers					Dimensions (Reference)		
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/8	1/8	2201-NR	2201-NR-SS	2201-NR-316SS	2201-NR-AL	2201-NR-NP	.556	.437	.156
1/4	1/4	2206-NR	2206-NR-SS	2206-NR-316SS	2206-NR-AL	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 Pipe Thread Non-Rotating Adapters

999



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



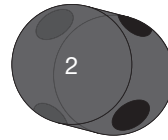
10-32 Clip Systems also available!

To Assemble: Snap desired fitting into Connector Block hole; Insert the Retainer Clip into clip grooves.

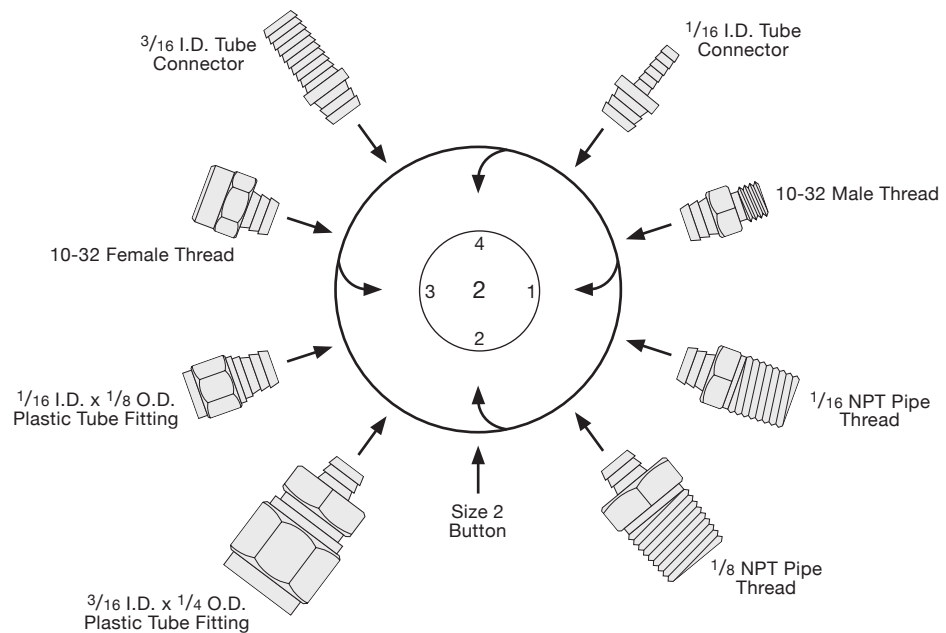
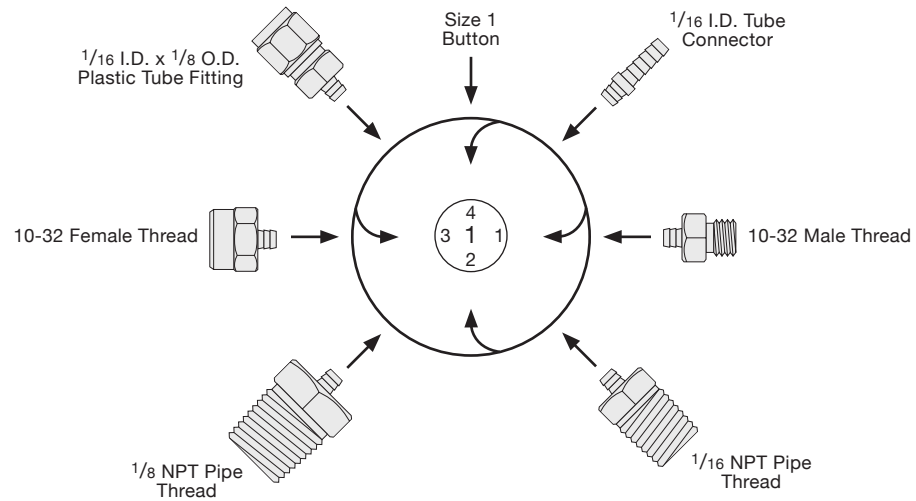
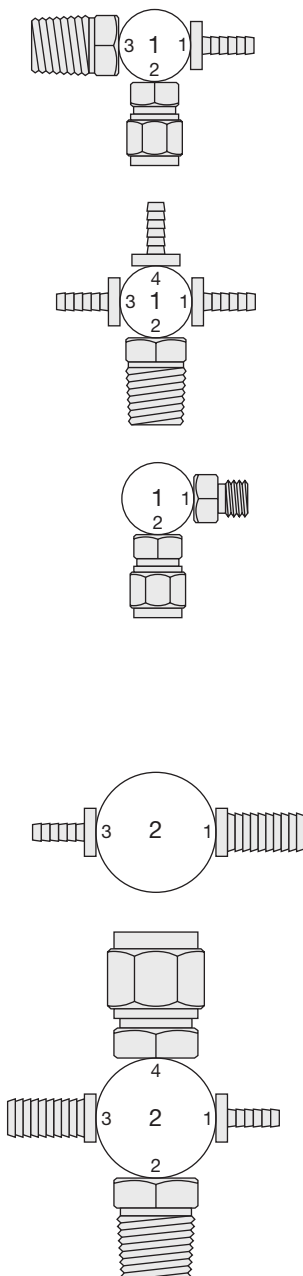
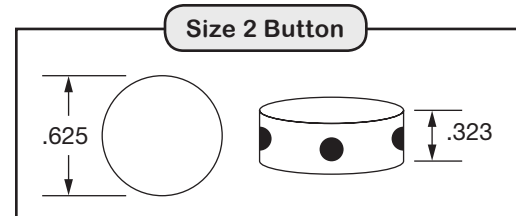
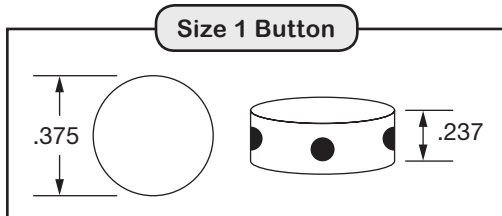
Coming Soon: Button and Barb Fittings!



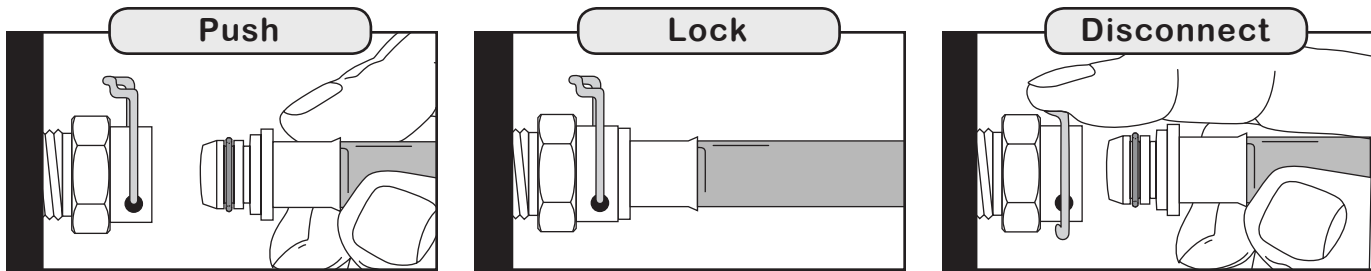
Delron Black Base Body!



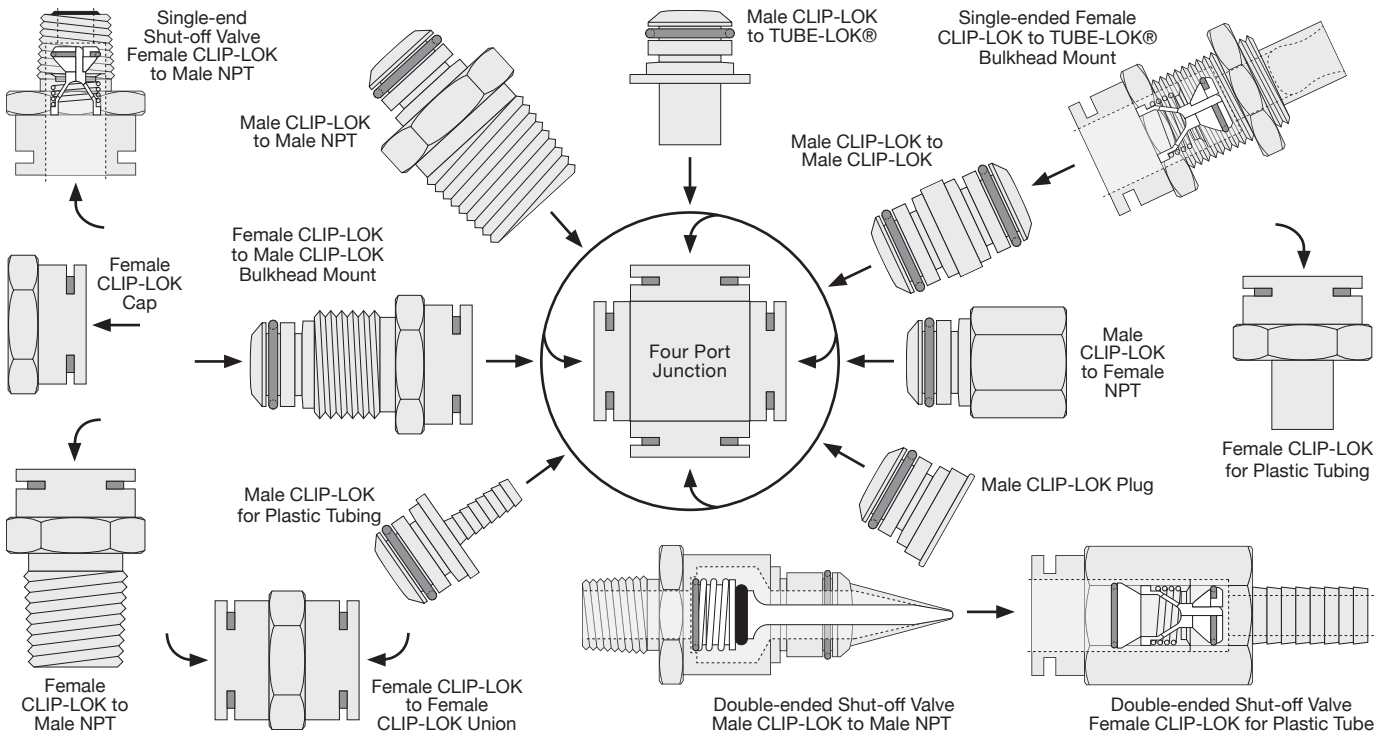
Up to four ports available!



Quick Release Modular Connector System Concept



U2



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:

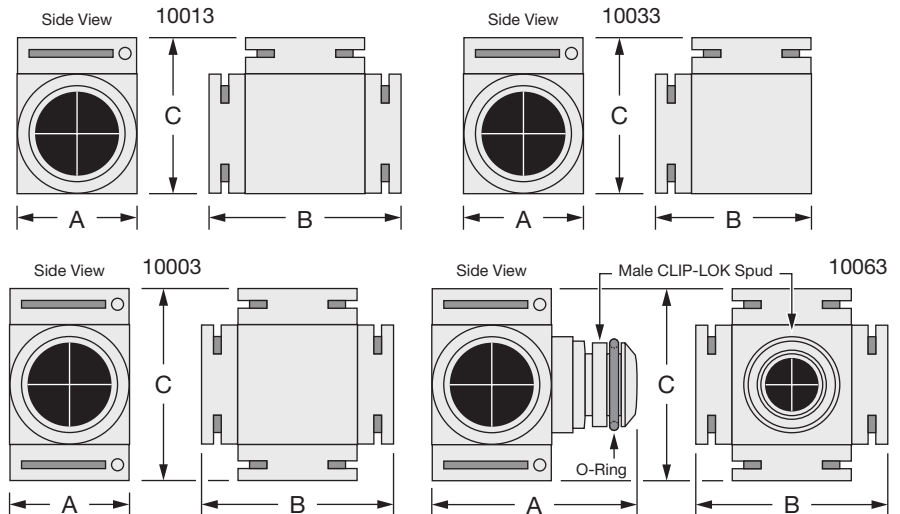
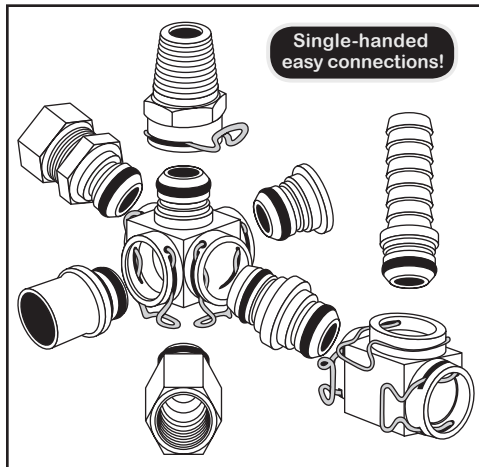
- **Assemble in seconds:** quick release modular system; no wrenches or special tools required; snap together; depress clip and pull apart to disconnect. Ideal for use in confined spaces.
- **Self-retaining locking clips:** cannot vibrate or pull loose; maintains its integrity.
- **Tubing cannot kink 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.

1000

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 Ref.	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

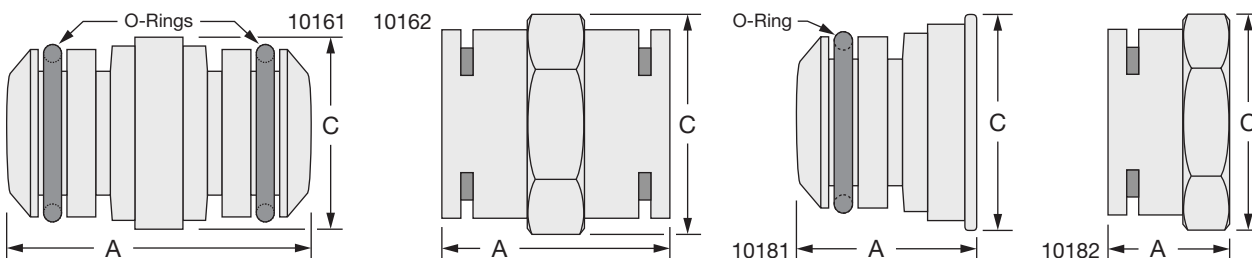
U2



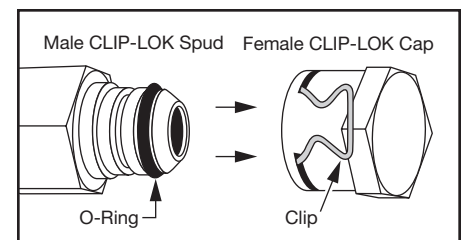
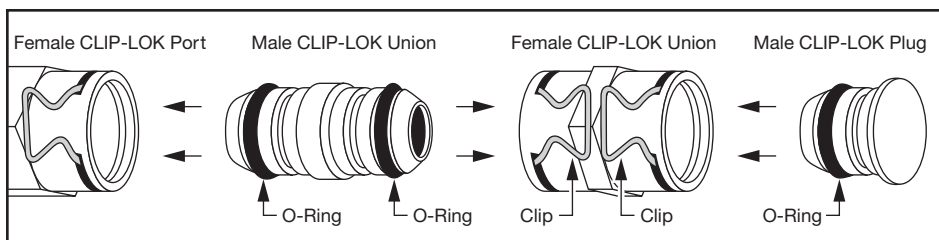
1001

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 Ref.	C Ref.
Male CLIP-LOK to Male CLIP-LOK Union	10161	10161-SS	10161-316SS	10161-AL	10161-NP	10161-PEEK®	10161-PSU	10161-PVD	.739	n/a	.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	n/a	.625
Male CLIP-LOK Plug	10181	10181-SS	10181-316SS	10181-AL	10181-NP	10181-PEEK®	10181-PSU	10181-PVD	.459	.125	.550
Female CLIP-LOK Cap	10182	10182-SS	10182-316SS	10182-AL	10182-NP	10182-PEEK®	10182-PSU	10182-PVD	.406	n/a	.625



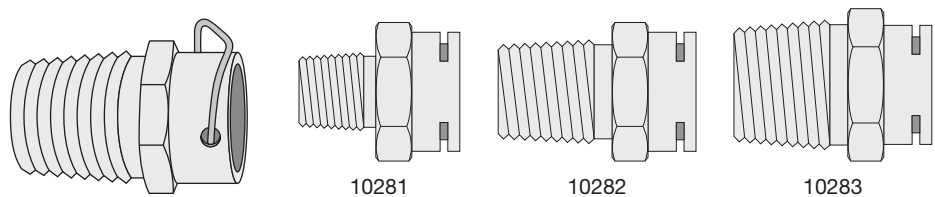
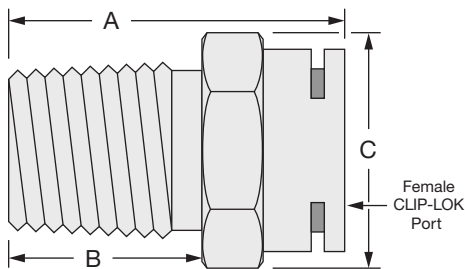
Supplied with Buna-N O-rings! Other options listed on page 65!



Female CLIP-LOK to Male NPT Fittings

1002

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 Ref.	C Ref.
1/8 NPT	10281	10281-SS	10281-316SS	10281-AL	10281-NP	10281-PEEK®	10281-PSU	10281-PVD	.837	.400	.625
1/4 NPT	10282	10282-SS	10282-316SS	10282-AL	10282-NP	10282-PEEK®	10282-PSU	10282-PVD	1.030	.593	.625
3/8 NPT	10283	10283-SS	10283-316SS	10283-AL	10283-NP	10283-PEEK®	10283-PSU	10283-PVD	1.030	.593	.688

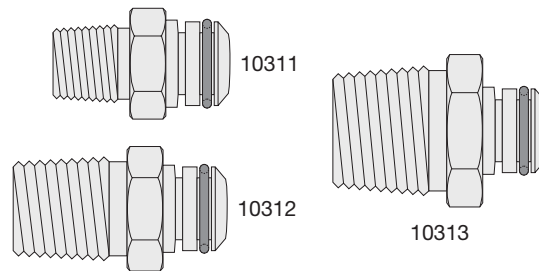
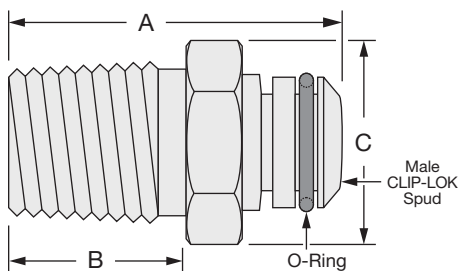


BSPT, BSPP, and Metric threads also available! Consult factory for details!

Male 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 Ref.	C Ref.
1/8 NPT	10311	10311-SS	10311-316SS	10311-AL	10311-NP	10311-PEEK®	10311-PSU	10311-PVD	.920	.400	.500
1/4 NPT	10312	10312-SS	10312-316SS	10312-AL	10312-NP	10312-PEEK®	10312-PSU	10312-PVD	1.115	.593	.562
3/8 NPT	10313	10313-SS	10313-316SS	10313-AL	10313-NP	10313-PEEK®	10313-PSU	10313-PVD	1.115	.593	.688



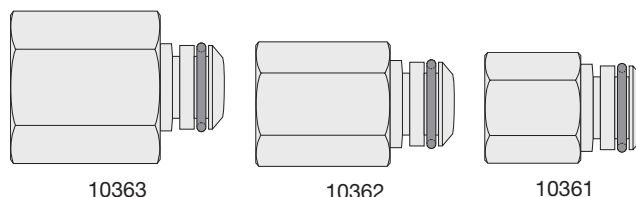
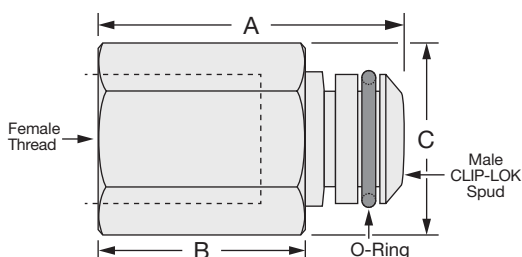
BSPT, BSPP, and Metric threads also available! Consult factory for details!

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

Male CLIP-LOK to Female NPT Fittings

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 Ref.	C Ref.
1/8 NPT	10361	10361-SS	10361-316SS	10361-AL	10361-NP	10361-PEEK®	10361-PSU	10361-PVD	.834	.500	.500
1/4 NPT	10362	10362-SS	10362-316SS	10362-AL	10362-NP	10362-PEEK®	10362-PSU	10362-PVD	1.034	.700	.625
3/8 NPT	10363	10363-SS	10363-316SS	10363-AL	10363-NP	10363-PEEK®	10363-PSU	10363-PVD	1.114	.780	.875



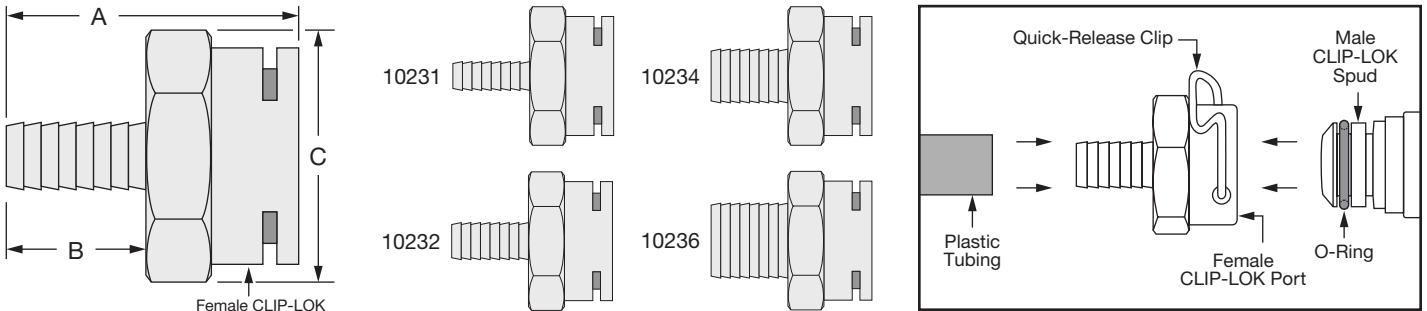
Supplied with Buna-N O-Rings. Other materials listed on page 65!

BSPT, BSPP, & Metric threads available! Consult factory for details!

1005

Female CLIP-LOK for Plastic Tubing

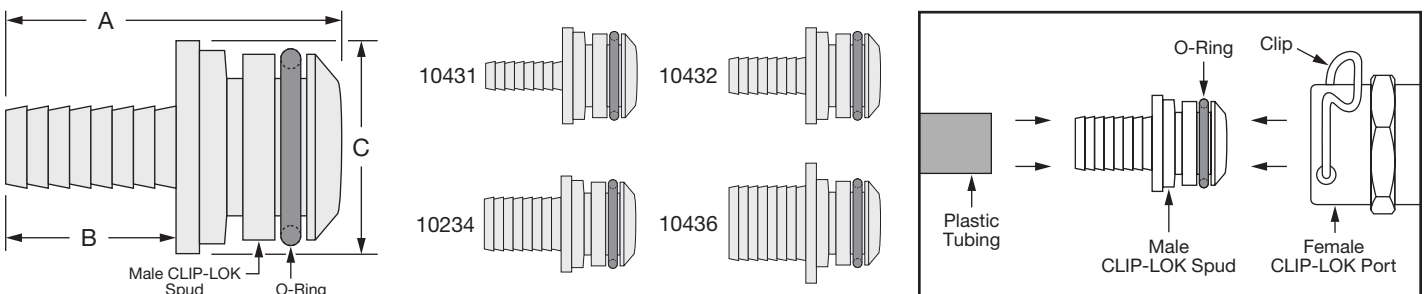
Tube ID	Part Numbers								Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	Peek®	Polysulfone	Kynar®	A Ref.	B Ref.	C Ref.
1/8	10231	10231-SS	10231-316SS	10231-AL	10231-NP	10231-PEEK®	10231-PSU	10231-PVD	.837	.400	.625
3/16	10232	10232-SS	10232-316SS	10232-AL	10232-NP	10232-PEEK®	10232-PSU	10232-PVD	.837	.400	.625
1/4	10234	10234-SS	10234-316SS	10234-AL	10234-NP	10234-PEEK®	10234-PSU	10234-PVD	.837	.400	.625
3/8	10236	10236-SS	10236-316SS	10236-AL	10236-NP	10236-PEEK®	10236-PSU	10236-PVD	.937	.500	.625



1006

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 Ref.	C Ref.
1/8	10431	10431-SS	10431-316SS	10431-AL	10431-NP	10431-PEEK®	10431-PSU	10431-PVD	.789	.400	.500
3/16	10432	10432-SS	10432-316SS	10432-AL	10432-NP	10432-PEEK®	10432-PSU	10432-PVD	.789	.400	.500
1/4	10434	10434-SS	10434-316SS	10434-AL	10434-NP	10434-PEEK®	10434-PSU	10434-PVD	.789	.400	.500
3/8	10436	10436-SS	10436-316SS	10436-AL	10436-NP	10436-PEEK®	10436-PSU	10436-PVD	.889	.500	.625

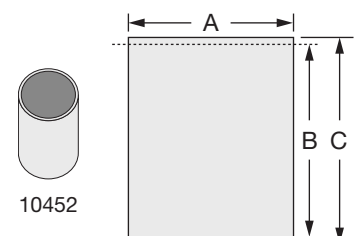


Supplied with Buna-N O-Rings. Other materials include: EPDM, Viton, Silicon, Teflon®, and Aflas®. See details on page 65!

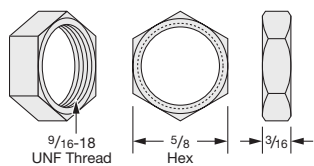
1007

CLIP-LOK Swage Sleeves

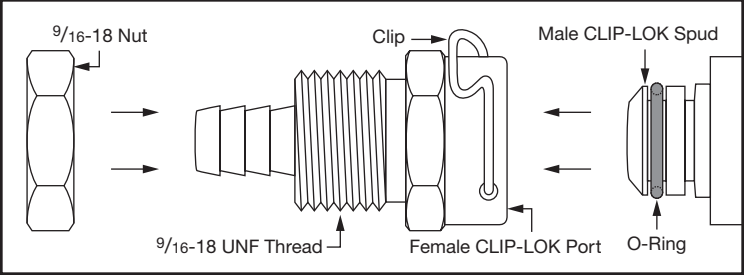
Tube OD	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Ref.	C Dia.
1/4	10452	10452-SS	10452-316SS	10452-AL	10452-NP	.350	.282	.312
3/8	10454	10454-SS	10454-316SS	10454-AL	10454-NP	.350	.408	.438
1/2	10456	10456-SS	10456-316SS	10456-AL	10456-NP	.450	.532	.562



CLIP-LOK Bulkhead Fittings



Supplied with 9/16-18 UNF Nuts!



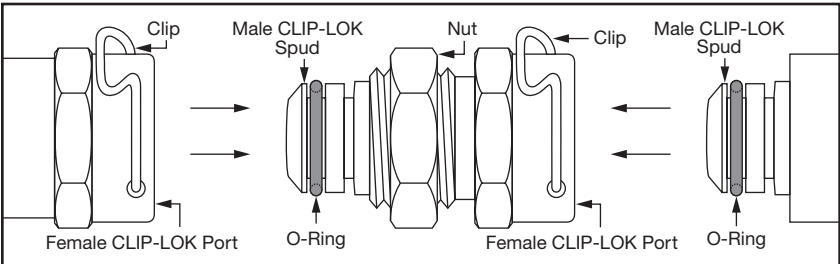
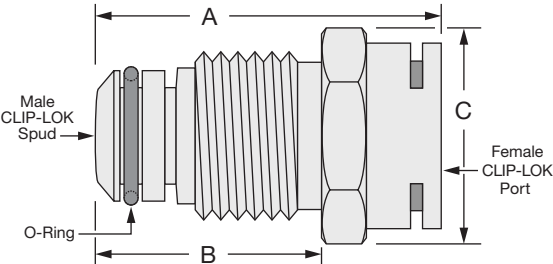
CLIP-LOK Bulkheads have 9/16-18 UNF Threads!

U2

CLIP-LOK Bulkhead Connector

1008

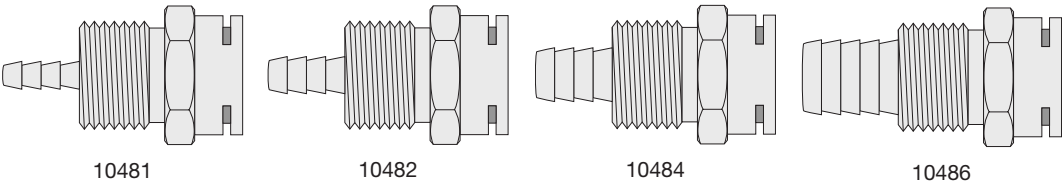
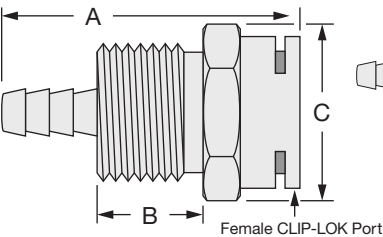
Clip System Description	Part Numbers								Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	Peek®	Polysulfone	Kynar®	A Ref.	B Typ.	C Ref.	Panel Hole
Female to Male CLIP-LOK	10480	10480-SS	10480-316SS	10480-AL	10480-NP	10480-PEEK®	10480-PSU	10480-PVD	1.156	.250	.625	.562



Female CLIP-LOK Bulkhead for Plastic Tubing

1009

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	.444	.625	.562
3/16	10482	10482-SS	10482-316SS	10482-AL	10482-NP	10482-PEEK®	10482-PSU	10482-PVD	1.250	.444	.625	.562
1/4	10484	10484-SS	10484-316SS	10484-AL	10484-NP	10484-PEEK®	10484-PSU	10484-PVD	1.250	.444	.625	.562
3/8	10486	10486-SS	10486-316SS	10486-AL	10486-NP	10486-PEEK®	10486-PSU	10486-PVD	1.350	.444	.625	.562



Female CLIP-LOK Bulkheads for Plastic Tubing are supplied with 5/8 Hex 9/16-18 UNF Thread Nuts!

CLIP-LOK Accessories

CLIP-LOK Swage Tool

This two part tool is specially designed for swaging plastic tube fittings to flexible tubing, such as polyethylene, plyurethane, and nylon. The tool may be used with fittings of all materials.

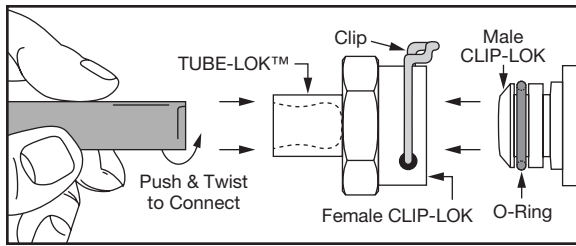
The Die • Part No: 10522

Generally used in conjunction with an arbor press.

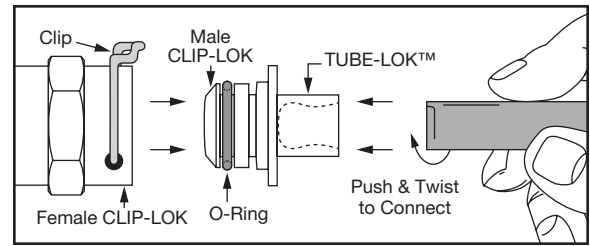
The Yoke • Part No: 10521

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!

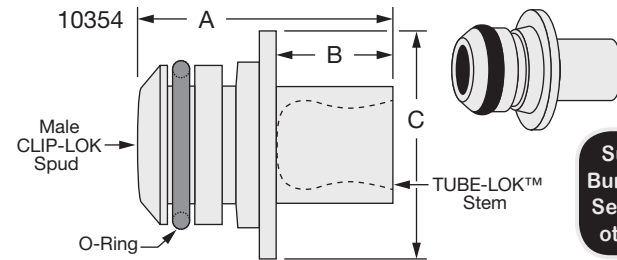
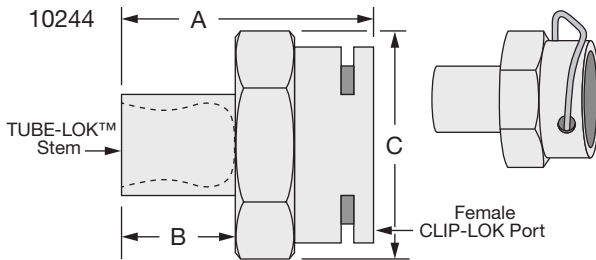
Semi-rigid plastic tubing is recommended! Consult factory for specific requirements!

U2

1010

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 Ref.	C Ref.
Female CLIP-LOK to TUBE-LOK™	10244	10244-SS	10244-316SS	10244-AL	10244-NP	10244-PEEK®	10244-PSU	10244-PVD	.800	.360	.625
Male CLIP-LOK to TUBE-LOK™	10354	10354-SS	10354-316SS	10354-AL	10354-NP	10354-PEEK®	10354-PSU	10354-PVD	.700	.320	.625

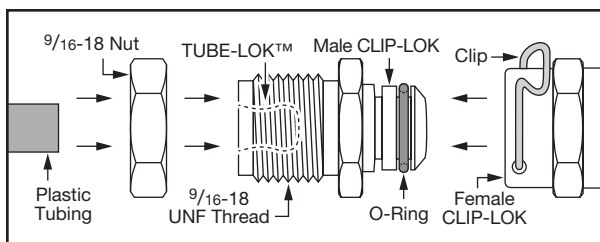
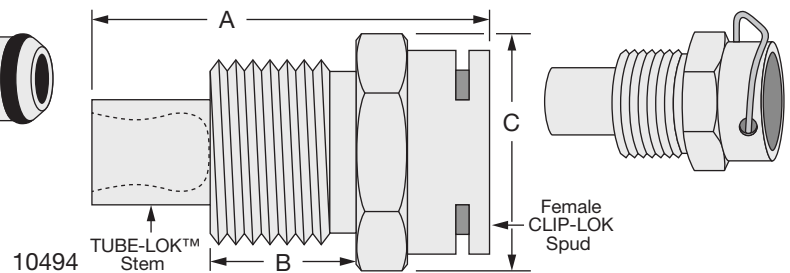
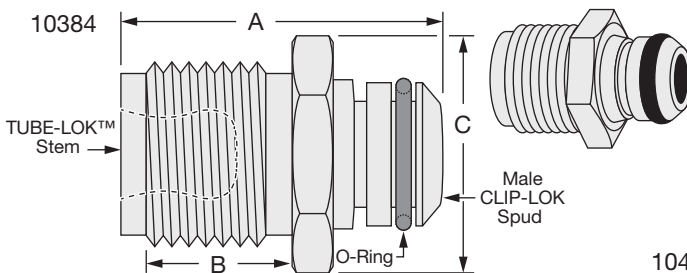


Supplied with Buna-N O-Rings! See page 65 for other options!

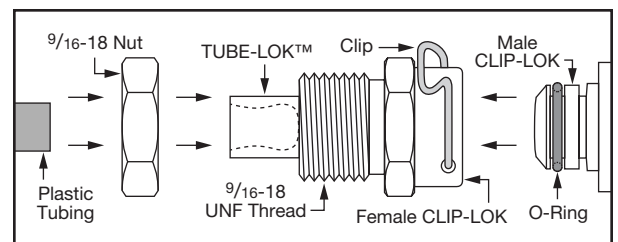
1011

Bulkhead TUBE-LOK™ Connectors for 1/4 OD

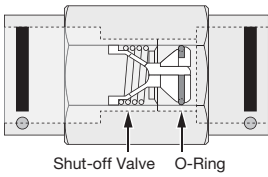
Clip System Description	Part Numbers								Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	Peek®	Polysulfone	Kynar®	A Ref.	B Ref.	C Ref.	Panel Hole
Male CLIP-LOK for TUBE-LOK™	10384	10384-SS	10384-316SS	10384-AL	10384-NP	10384-PEEK®	10384-PSU	10384-PVD	.980	.444	.625	.562
Female CLIP-LOK for TUBE-LOK™	10494	10494-SS	10494-316SS	10494-AL	10494-NP	10494-PEEK®	10494-PSU	10494-PVD	1.210	.444	.625	.562



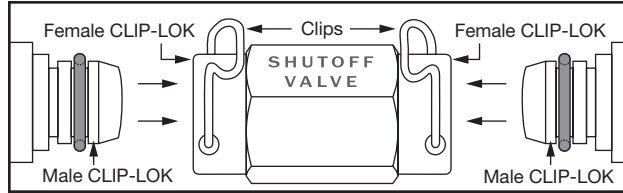
CLIP-LOK Bulkheads have 9/16-18 UNF Threads and are supplied with 9/16-18 UNF Nuts!



CLIP-LOK Single-ended Shut-off Valves



Quick-connect replacement of manual shut-off valves for liquid & gas applications!



Shut-off Valves are actuated when the male CLIP-LOK fitting is inserted!

Pressure Rating: 125 PSI to moderate vacuum

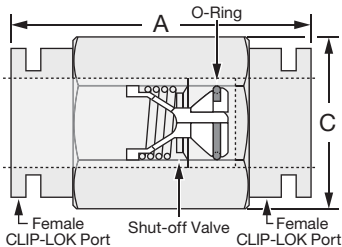
Flow Coefficient: $C_v = .60$

All Shut-off Valves are 100% leak tested!

U2

Single-ended Shut-off Valve Female for Female CLIP-LOK

1012



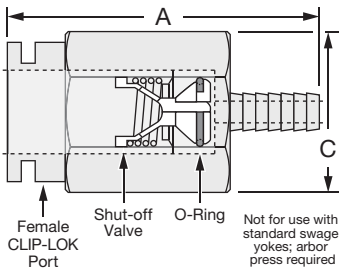
Clip System Description	Part Numbers					Dimensions (Reference)	
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Ref.
Female to Female CLIP-LOK	11162	11162-SS	11162-316SS	11162-AL	11162-NP	1.260	.625

Consult factory for information regarding other material options!

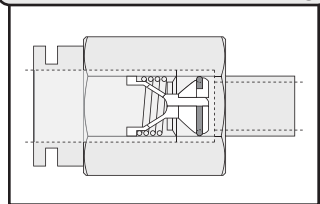
Supplied with Buna-N O-Rings. Other O-Rings material options are listed on page 65!

Single-ended Shut-off Valve Female CLIP-LOK for Plastic Tubing

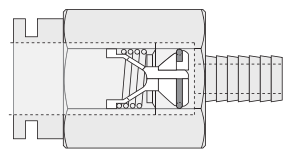
1013



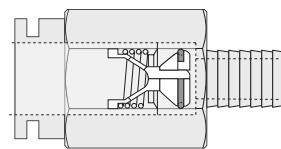
11244 is a TUBE-LOK™ fitting



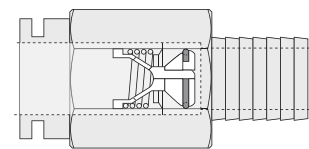
Tube Size	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/8 ID	11231	11231-SS	11231-316SS	11231-AL	11231-NP	1.400	.400	.625
3/16 ID	11232	11232-SS	11232-316SS	11232-AL	11232-NP	1.400	.400	.625
1/4 ID	11234	11234-SS	11234-316SS	11234-AL	11234-NP	1.400	.400	.625
3/8 ID	11236	11236-SS	11236-316SS	11236-AL	11236-NP	1.500	.500	.625
1/4 OD	11244	11244-SS	11244-316SS	11244-AL	11244-NP	1.380	.380	.625



11232



11234

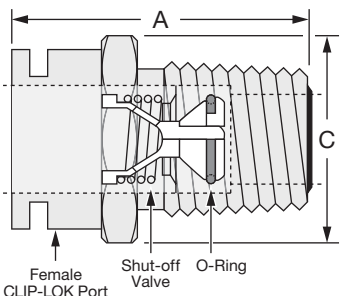


11236

Note:
Not for use with standard swage yokes; arbor press required.

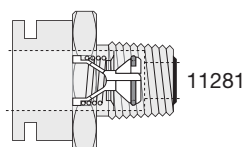
Single-ended Shut-off Valve Female CLIP-LOK for Male NPT

1014

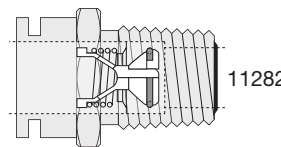


BSPT, BSPP, and Metric threads also available! Consult factory for details!

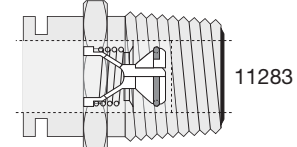
Thread Size	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Ref.	C Ref.
1/8 NPT	11281	11281-SS	11281-316SS	11281-AL	11281-NP	.837	.400	.625
1/4 NPT	11282	11282-SS	11282-316SS	11282-AL	11282-NP	1.030	.593	.625
3/8 NPT	11283	11283-SS	11283-316SS	11283-AL	11283-NP	1.030	.593	.688



11281



11282

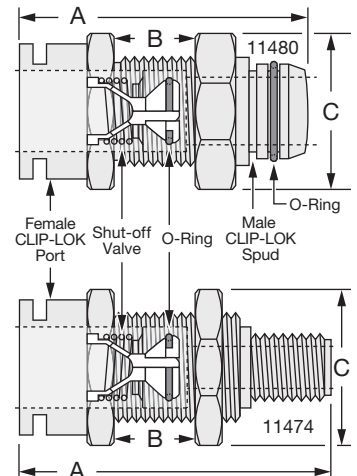
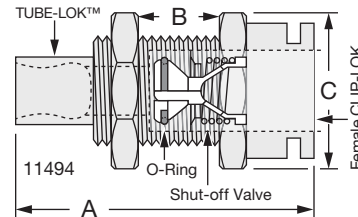
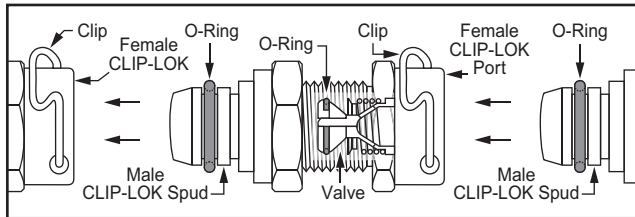


11283

1015

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	.375	.625	.562
Female CLIP-LOK to Compression Fitting	1/4	11474	11474-SS	11474-316SS	11474-AL	11474-NP	1.450	.375	.625	.562
Female CLIP-LOK to TUBE-LOK™	1/4	11494	11494-SS	11494-316SS	11494-AL	11494-NP	1.380	.375	.625	.562

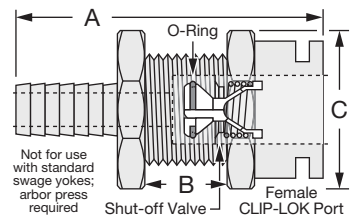


U2

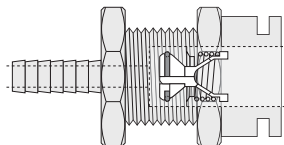
1016

Single-ended Shut-off Valve Female CLIP-LOK Bulkhead for Plastic Tubing

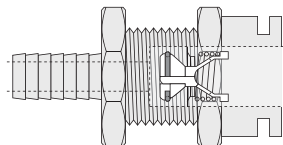
Tube ID	Part Numbers					Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	Panel Hole
1/8	11481	11481-SS	11481-316SS	11481-AL	11481-NP	1.400	.375	.625	.562
3/16	11482	11482-SS	11482-316SS	11482-AL	11482-NP	1.400	.375	.625	.562
1/4	11484	11484-SS	11484-316SS	11484-AL	11484-NP	1.400	.375	.625	.562
3/8	11486	11486-SS	11486-316SS	11486-AL	11486-NP	1.500	.375	.625	.562



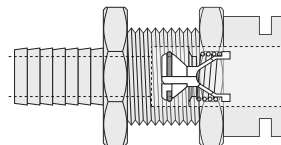
Peek® is not available!



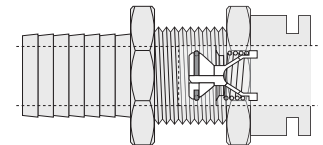
11481



11482



11484



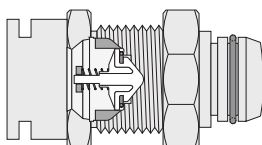
11486

Check Valves

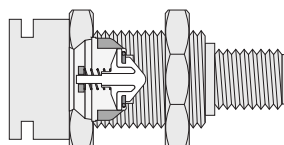
Maximum Working Pressure: 125 PSI

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 also "Checkmates" on page 534! Consult factory for details!

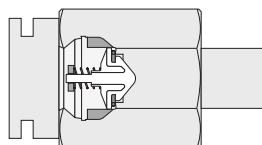
Standard Cracking Pressure: 2 PSI



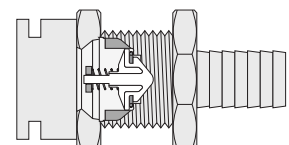
12480



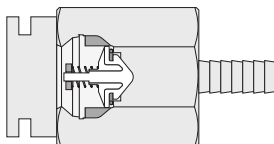
12474



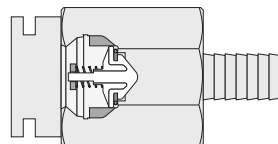
12244



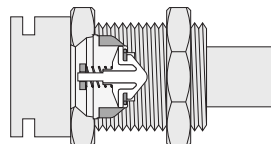
12484



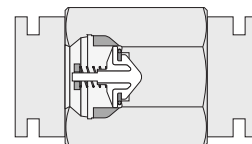
12231



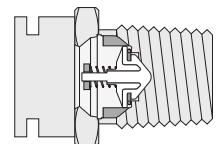
12232



12494



12162

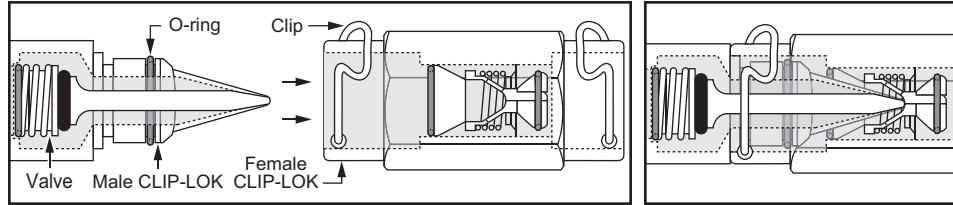


12282

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 on both male and female sides of the CLIP-LOK connector!



Single-ended & Double-ended Shut-off Valves cannot be interchanged.

O-Ring options are listed on page 65!

Pressure Rating: 125 PSI to moderate vacuum

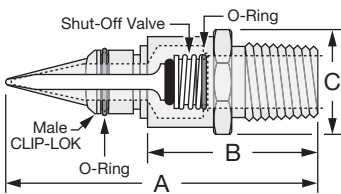
Flow Coefficient: $C_v = .50$

Peek® is not available!

U2

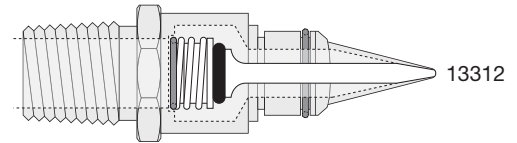
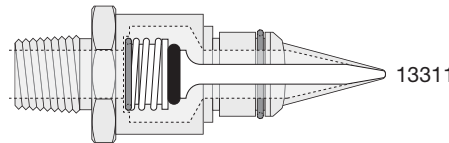
Double-ended Shut-off Valves Male CLIP-LOK to Male NPT Fittings

1017



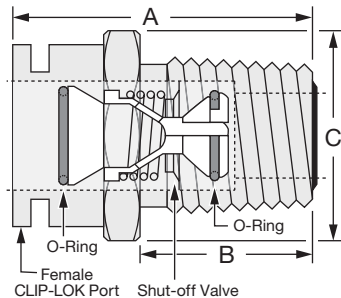
Male Thread Size	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Ref.	C Ref.
1/8 NPT	13311	13311-SS	13311-316SS	13311-AL	13311-NP	1.930	.980	.625
1/4 NPT	13312	13312-SS	13312-316SS	13312-AL	13312-NP	2.120	1.170	.625

BSPT, BSPP, & Metric thread options also available! Consult factory for details!



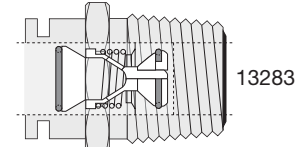
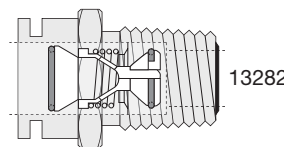
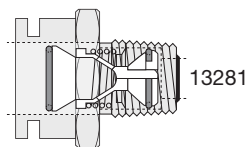
Double-ended Shut-off Valves Female CLIP-LOK to Male NPT Fittings

1018



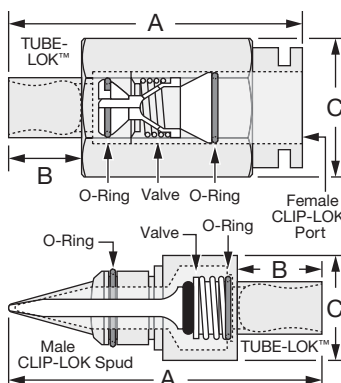
Male Thread Size	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Ref.	C Ref.
1/8 NPT	13281	13281-SS	13281-316SS	13281-AL	13281-NP	1.550	.400	.625
1/4 NPT	13282	13282-SS	13282-316SS	13282-AL	13282-NP	1.750	.600	.625
3/8 NPT	13283	13283-SS	13283-316SS	13283-AL	13283-NP	1.030	.600	.688

BSPT, BSPP, & Metric thread options also available! Consult factory for details!

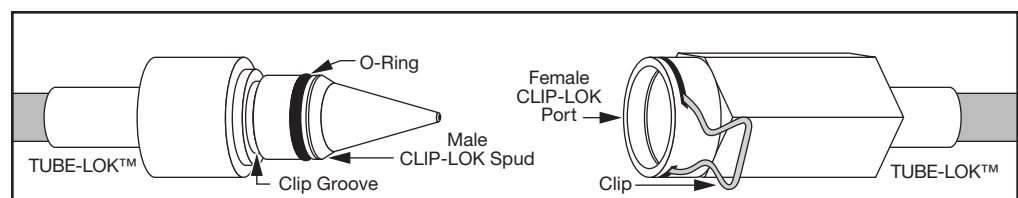


Double-ended Shut-off Valves CLIP-LOK to TUBE-LOCK™ for 1/4 OD

1019



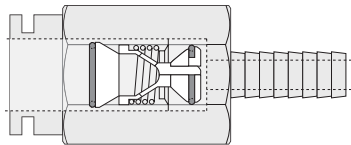
Clip System Description	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Ref.	C Ref.
Female CLIP-LOK to TUBE-LOCK™	13244	13244-SS	13244-316SS	13244-AL	13244-NP	1.530	.380	.625
Male CLIP-LOK to TUBE-LOCK™	13354	13354-SS	13354-316SS	13354-AL	13354-NP	1.930	.980	.625



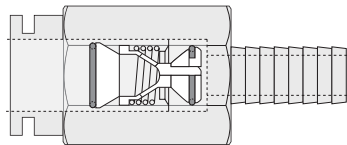
1020

Double-ended Shut-off Valves Female CLIP-LOK for Plastic Tubing

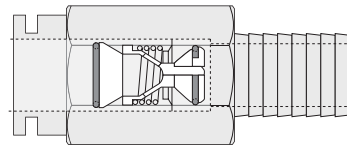
Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Ref.	C Ref.
3/16	13232	13232-SS	13232-316SS	13232-AL	13232-NP	1.750	.600	.625
1/4	13234	13234-SS	13234-316SS	13234-AL	13234-NP	1.750	.600	.625
3/8	13236	13236-SS	13236-316SS	13236-AL	13236-NP	1.750	.600	.625



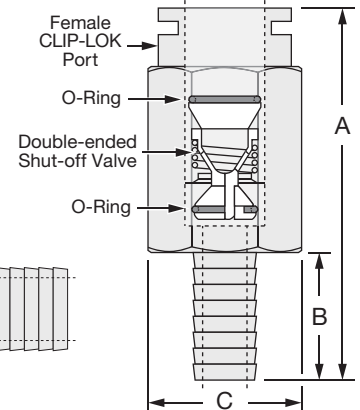
13232



13234



13236



U2

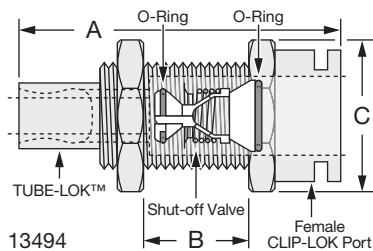
1021

Double-ended Shut-off Valve CLIP-LOK Bulkhead Connectors

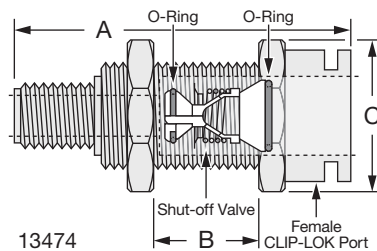
Clip System Description	Tube OD	Part Numbers					Dimensions (Reference)			
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	Panel Hole
Female CLIP-LOK for Male CLIP-LOK	n/a	13480	13480-SS	13480-316SS	13480-AL	13480-NP	1.484	.500	.625	.562
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

Flow Coefficient:
 $C_v = .50$

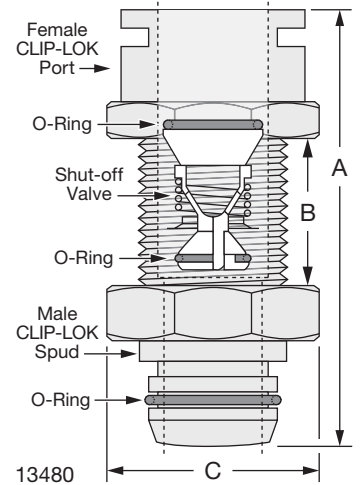
Pressure Rating:
125 PSI to moderate vacuum



13494



13474

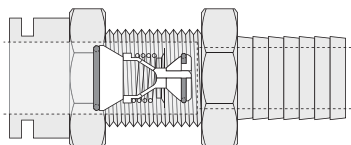


13480

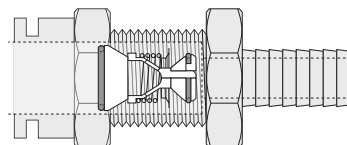
1022

Double-ended Shut-off Valves Female CLIP-LOK Bulkhead for Plastic Tubing

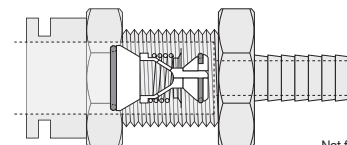
Tube ID	Part Numbers					Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	Panel Hole
3/16	13482	13482-SS	13482-316SS	13482-AL	13482-NP	1.750	.500	.625	.562
1/4	13484	13484-SS	13484-316SS	13484-AL	13484-NP	1.750	.500	.625	.562
3/8	13486	13486-SS	13486-316SS	13486-AL	13486-NP	1.750	.500	.625	.562



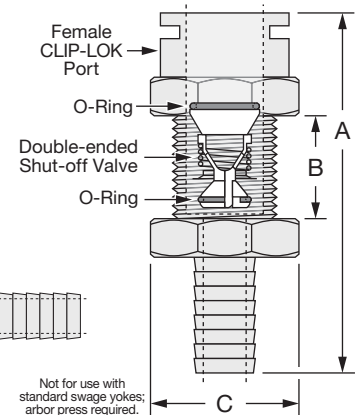
13486



13484



13482

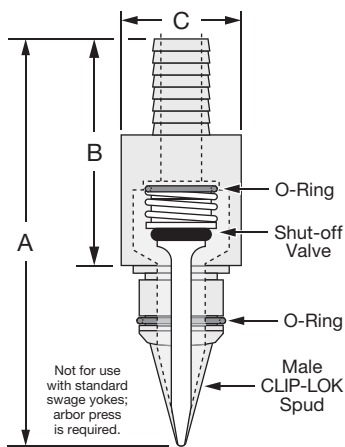


U.S. CLIP-LOK fittings are supplied with Buna-N O-Rings. Other material options are listed on page 65! Consult factory for details!

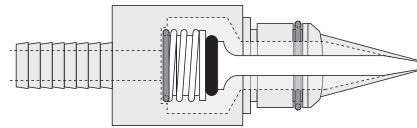
Double-ended Shut-off Valves have automatic shut-off on both male & female sides of CLIP-LOK connector! Peek® is not available!

Double-ended Shut-off Valves Male CLIP-LOK for Plastic Tubing

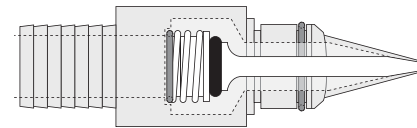
1023



Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Ref.	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



13432



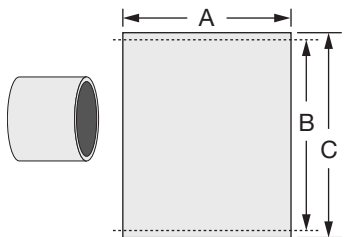
13436

O-Ring materials listed on page 65!

Peek® is not available for Double-ended Shut-off Valves!

CLIP-LOK Swage Sleeves

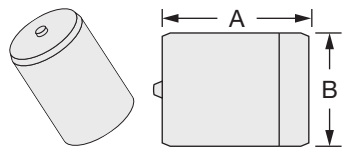
1024



Tube OD	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Ref.	C Ref.
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

In-line Check-Valve (Checkmates)

1025



Peek® is not available for In-line Check-Valves!

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

Checkmates are in-line check valves for use with 3/8" ID plastic tube fitting to flexible tubing. Buna-N O-Rings are standard. Other O-Ring materials are available; see list on page 65.

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

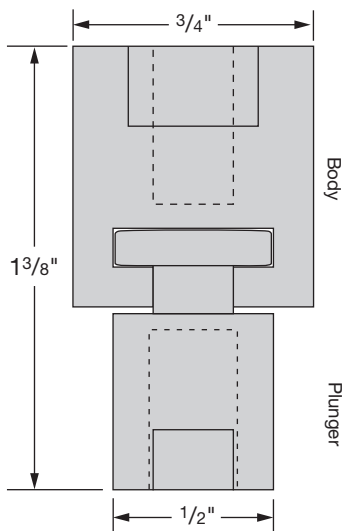
A complete selection of CLIP-LOK modular connectors that are ideal for bread-boarding new systems or as a handy repair kit for the field. Consult factory for details!

Each kit contains the following parts:

Quantity	Part Number	Quantity	Part Number	Quantity	Part Number	Quantity	Part Number	Quantity	Part Number
2	10003*	1	10161	4	10311	8	10434	3	10181
2	10013	1	10162	6	10212	5	10436	1	10480
2	10033	4	10281	4	10361	8	10454	*Not for use with standard swage yokes; arbor press required	
1	10063*	6	10282	4	10362	5	10456		

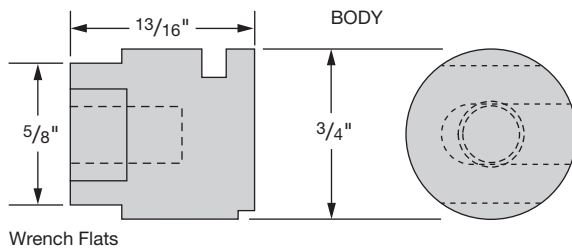
1026

Demountable Cylinder Rod Alignment Compensators/Coupler (Patented)



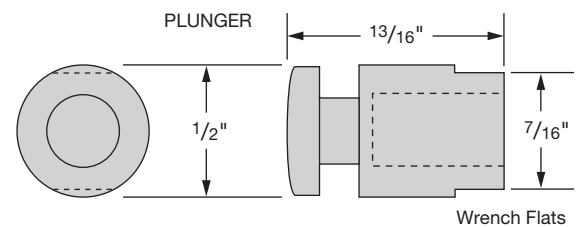
RAC SET
Front View

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
M6	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
M8	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



Wrench Flats

Note:
Images are for reference only.
Images are NOT to scale.



Wrench Flats

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

Multiple Port Rotary Valves (Patented)

1027

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

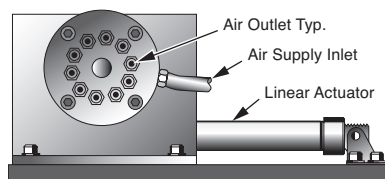
W2 Rotating the external actuator one position (clockwise or counterclockwise) directs air pressure to the next outlet port at the front of the unit. All other outlet ports are open to atmosphere. Thus, in the illustration above, a single acting cylinder can be actuated by connecting its port to any 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

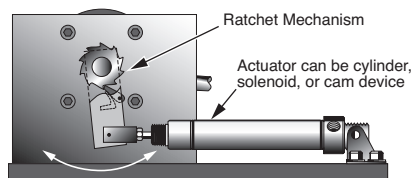
Side view panel mounted – rotary valve is shown with knob attached to valve shaft. Valve is indexed by hand through 10 or 20 outlet ports depending on valve model.

Remote Operation

Front view base mounted



Rear view base mounted



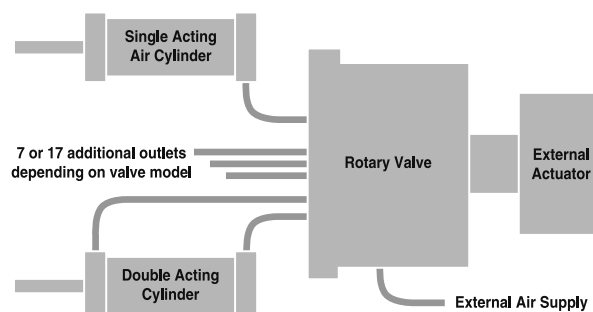
**Model Number 10 Outlets
GV2-10**

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.).

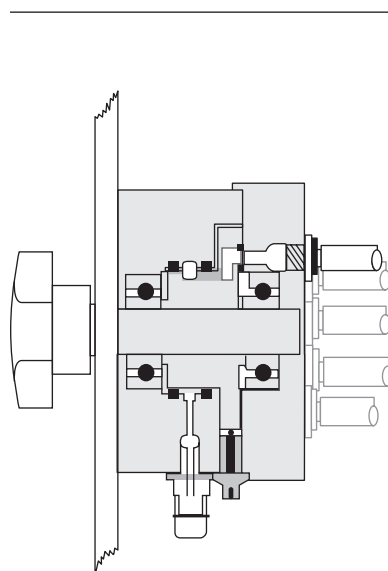
■ As an "IMPLANT" in a large machine to supply sequential control where indexing is accomplished by some moving part of the machine.



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.

■ 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 (requires special shaft), or in series; i.e. a port on first unit is connected to actuator



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 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 17/16" long

Shaft extension - 1"

Mounting - Four 8/32" tapped holes on 1.950" bolt centers

GV2-20:

3 1/8" dia. x 17/16" 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



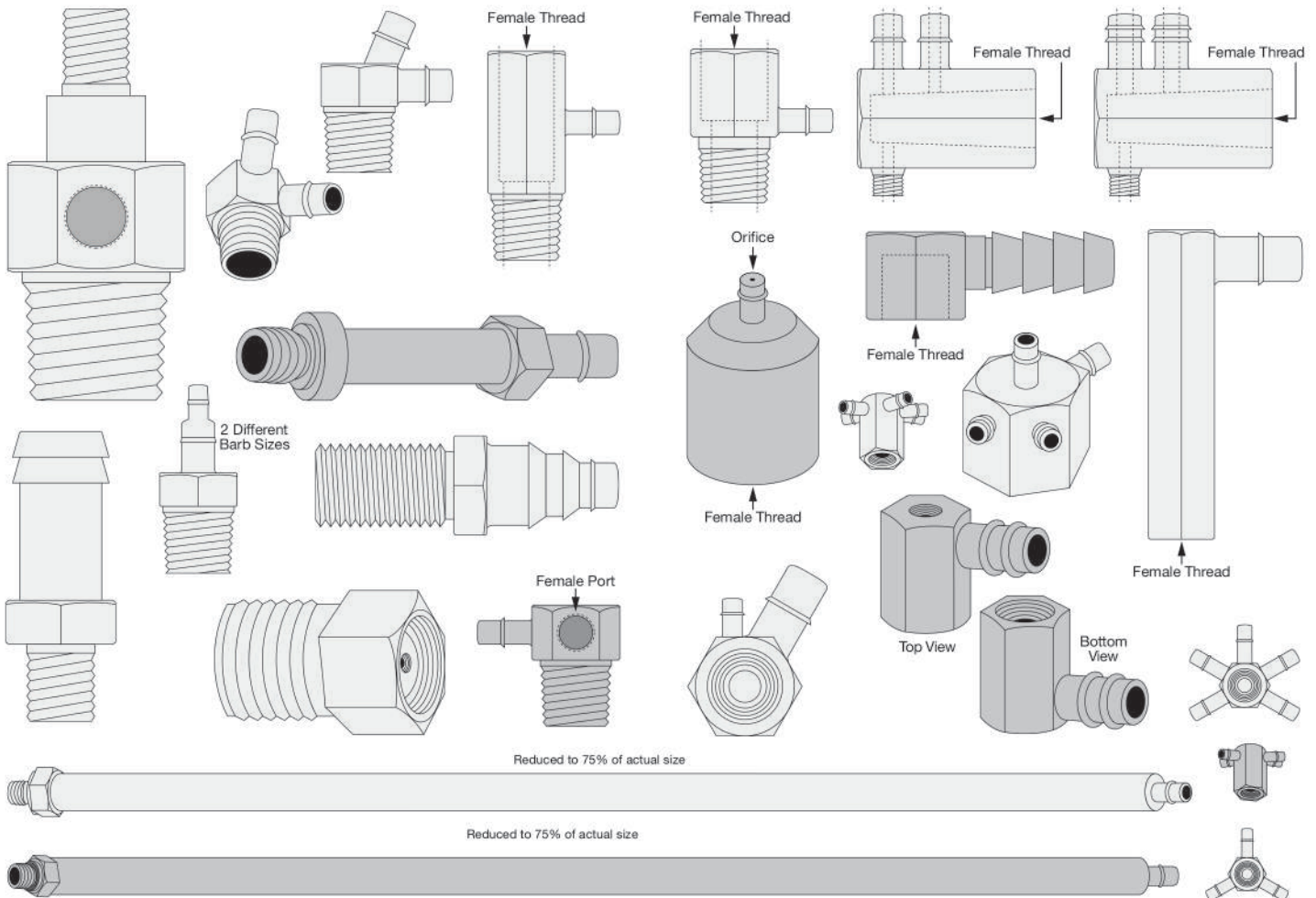
*If you can dream it,
we can most
likely make it!!*

M24x1.25 x 1/8 FL
(1/8 Female Port/Elbow)

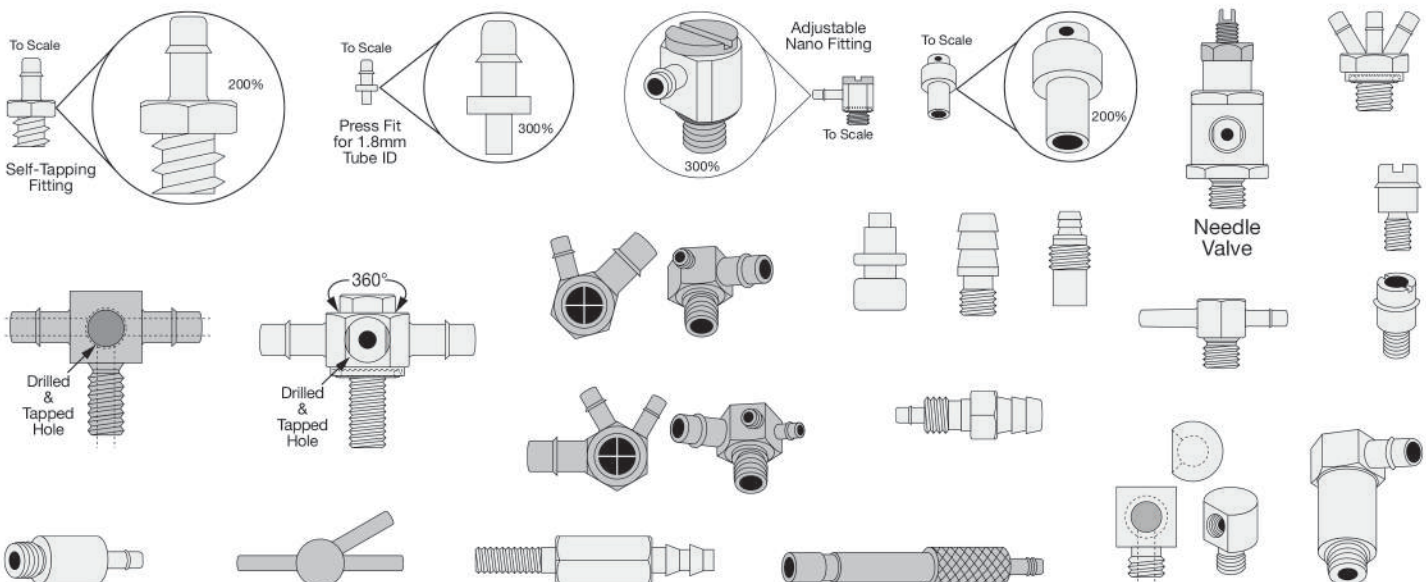
Specialty and Custom Fittings

Special Male Threaded Fittings

Special Female Threaded Fittings

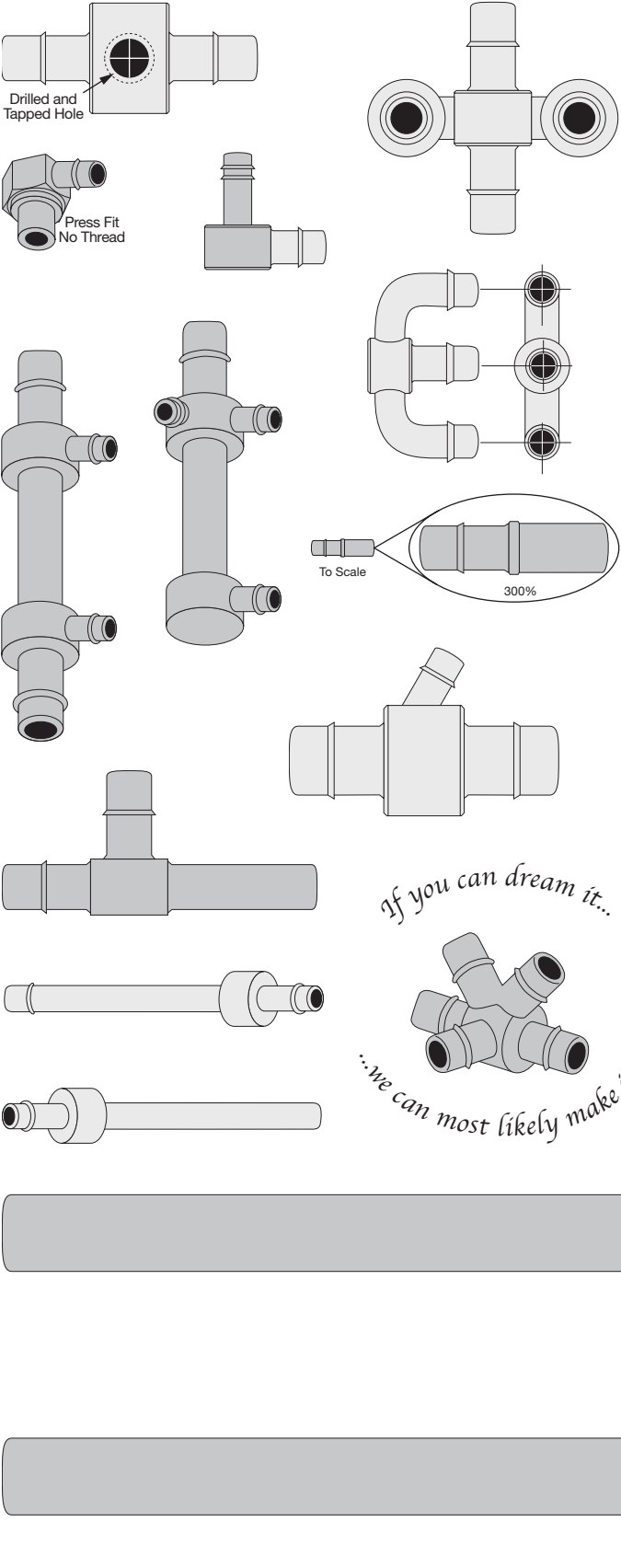


Special Mini, Macro, and Nano Fittings



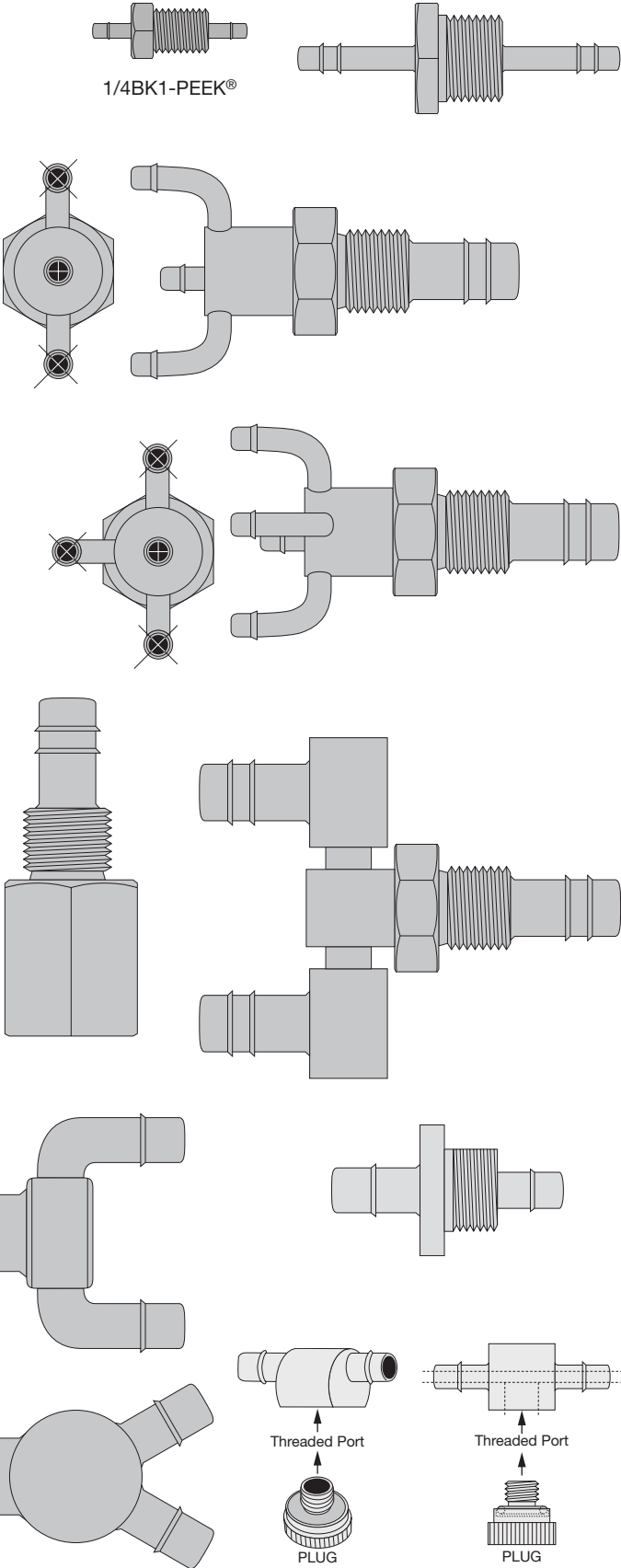
Specialty and Custom Fittings

Tube to Tube Custom Fittings



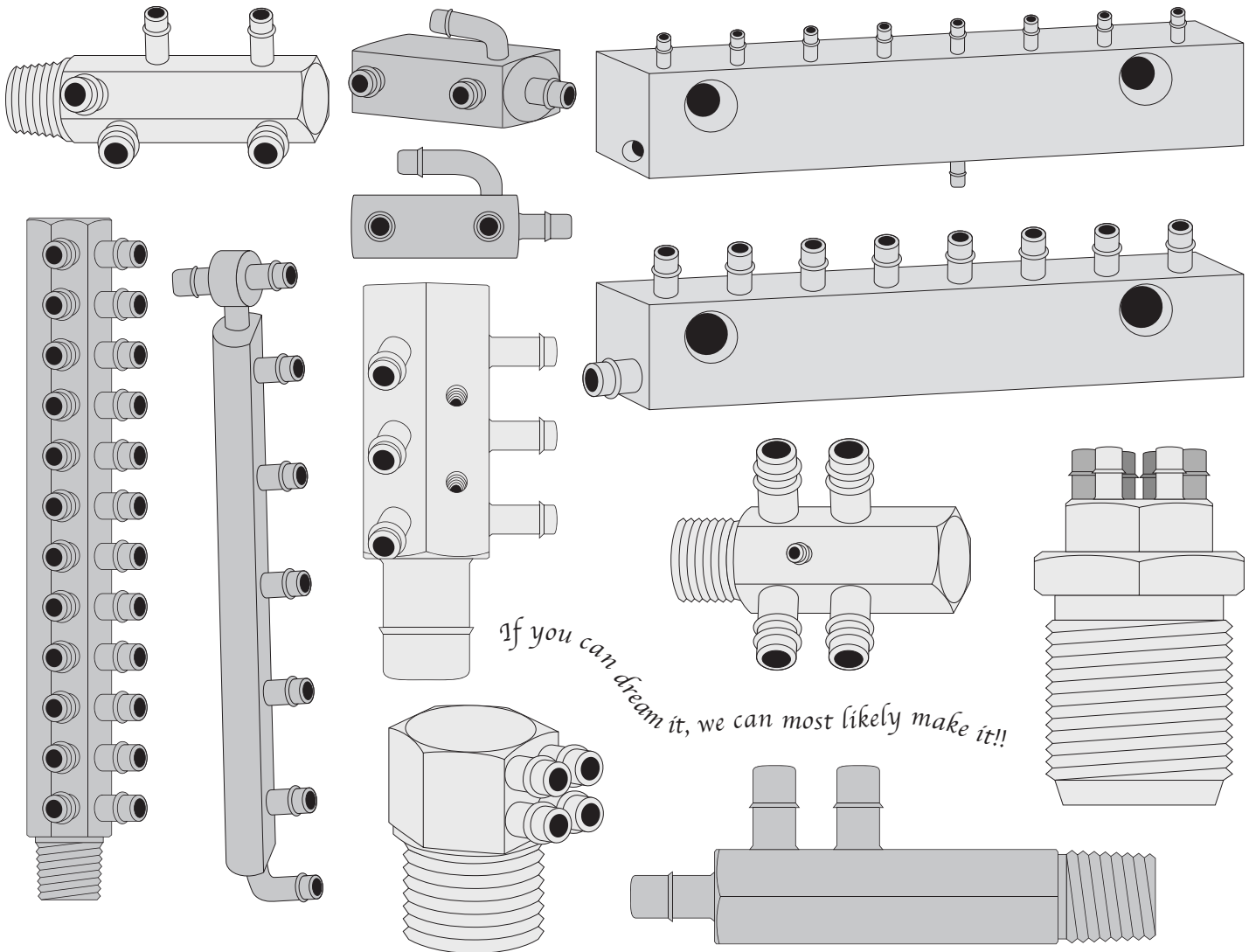
*If you can dream it...
...we can most likely make it!!*

Special Bulkheads

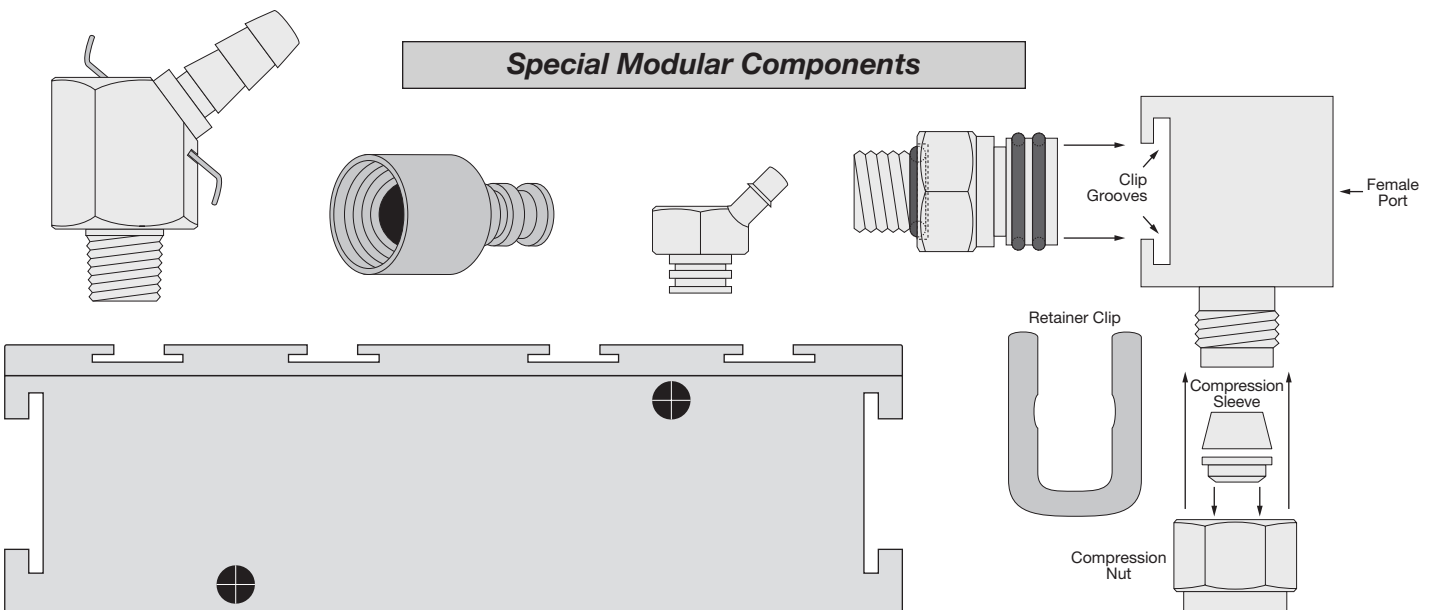


Specialty and Custom Fittings

Special Manifolds



Special Modular Components



Limited Warranty

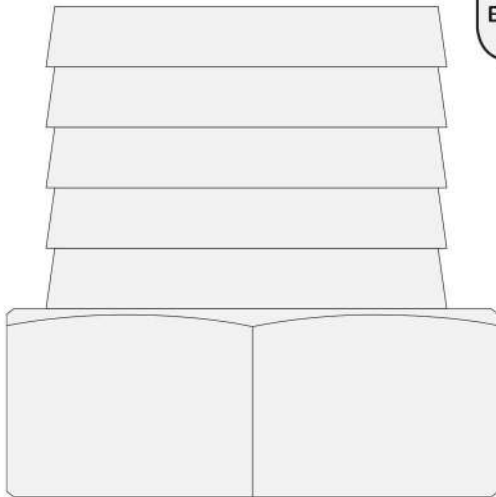
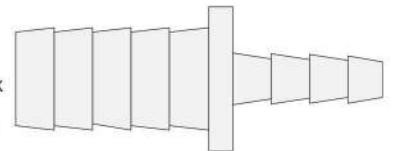
Medical White (seller) warrants its products to be free from defects in material and workmanship for a period of ninety (90) days from the date of the sale. Seller's liability **shall be limited, at seller's option, to the price of the product found by the seller's examination to be defective.** All claims under this warranty must be made in writing to Medical White'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. Medical White 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.

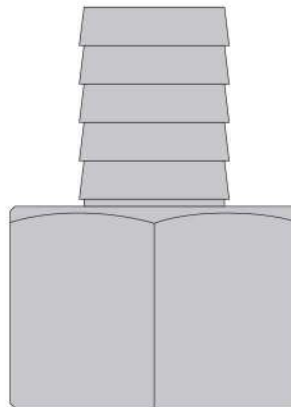
NEW: Multi-Barb Thread to Tube Fittings in Various Sizes! Consult Factory for Details!

Many more sizes available!
BSPT & BSPP options also available!
Catalog addendum to come!!

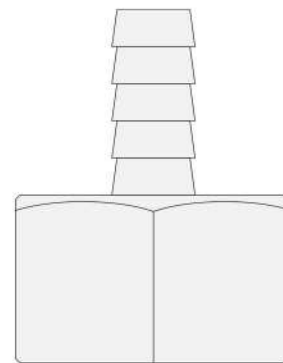
RC11-5-CT
5/8"
Tube ID x
3/16" Tube ID



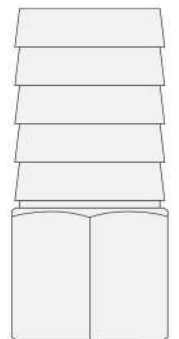
2"FB32-CT
2" Female Thread x 2" Tube ID



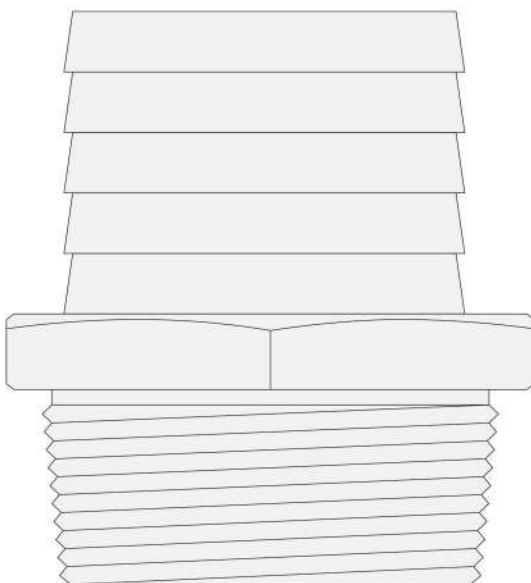
1"FB12-CT
1" Female Thread x 3/4" Tube ID
316 Stainless Steel



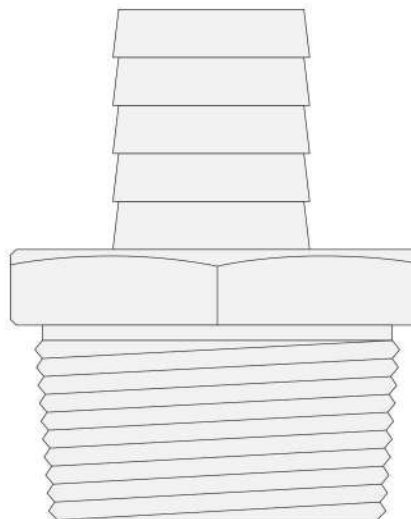
1"FB8-CT
1" Female Thread x 3/8" Tube ID



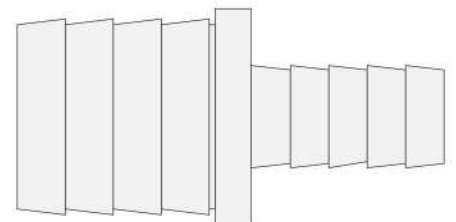
3/8"FB12-CT
3/8" Female Thread x 3/4" Tube ID



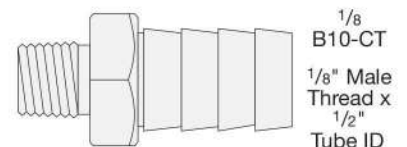
2"B32-CT
2" Male Thread x 2" Tube ID



1 1/2"B16-CT
1 1/2" Male Thread x 1" Tube ID

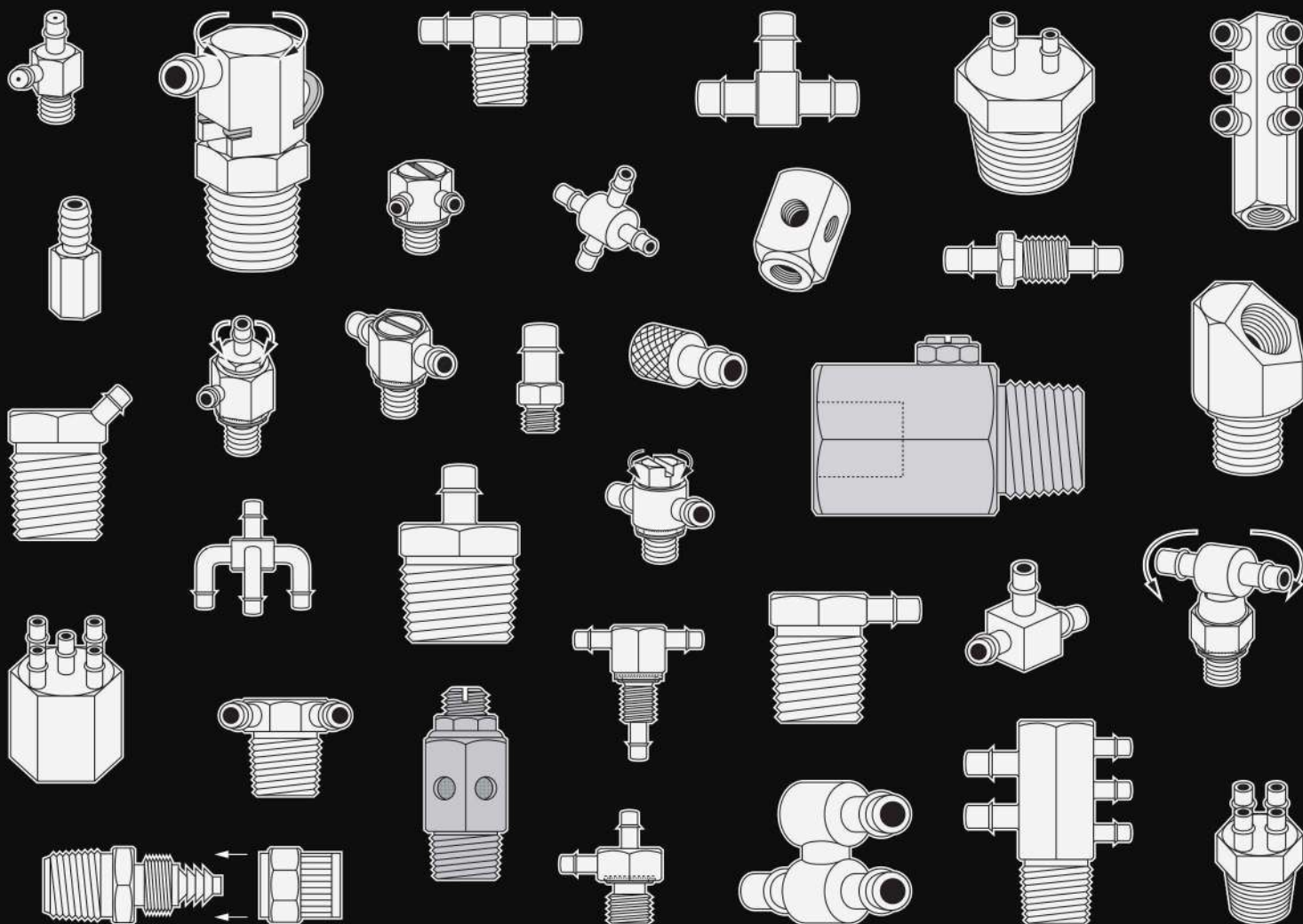


RC16-10-CT • 1" Tube ID x 1/2" Tube ID



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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