

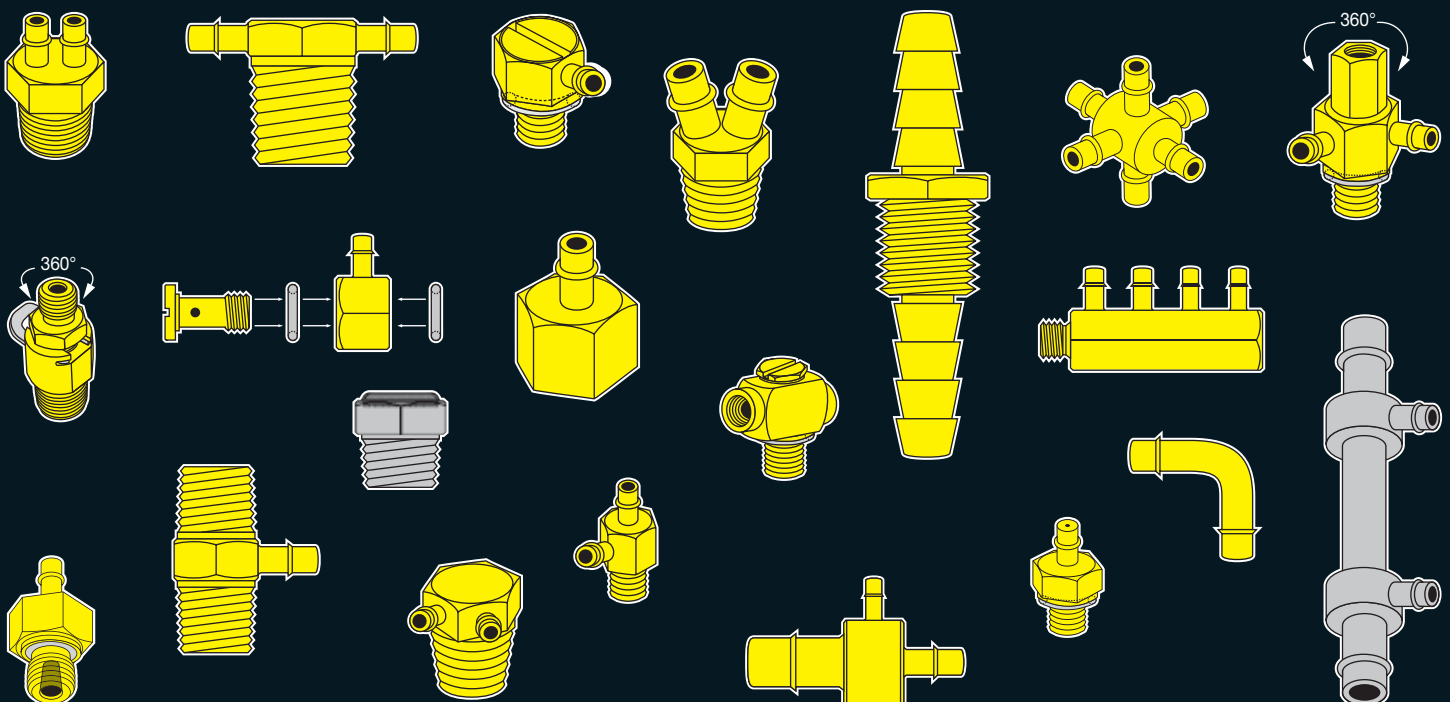
MEM-CO

FITTINGS, INC.

 **GRA-TEC** a subsidiary of MEM-Co

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"

Branch Barb #	Tubing I.D.	Hole Thru
4	.170"	.125"
4 1/2	.180"	.140"
5	3/16"	.140"
5 1/2	7/32"	.156"
5 3/4	15/64" / 6mm	.156"
6	1/4"	.177"
7	5/16" / 8mm	.250"
8	3/8"	.290"
8 1/2	10mm	.296"

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

Branch Barb #	Tubing I.D.	Hole Thru
9	7/16"	.312"
9 1/2	12mm	.359"
10	1/2"	.391"
11	5/8"	.468"
12	3/4"	.687"
15	7/8"	.828"
16	1"	.984"
20	1 1/4"	Consult Factory
24	1 1/2"	Consult Factory
32	2"	Consult Factory

Other branch sizes, including 13mm and 19mm are available. Lead times & minimum quantities may apply. Consult factory for details.

Fitting Series / Model Designation Codes

A = Adjustable

B = Straight Male Thread to Tube

BA = Hexless™ Male Threaded Barbs

BK = Bulkhead

C = Coupling, Tube to Tube

CM = Coupling Manifold

CML = Coupling Manifold Elbow

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

IY = Increasing Y Connections;
3 Branches

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 Lock washer & 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 Mem-Co fittings.

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

3. Product Material Availability:

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

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

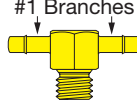
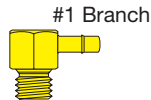
Part numbers are listed in charts that include material options. Visual sample drawings are also included. Line numbers for each row are used to make product cross-referencing easy.

A. Unless otherwise specified, parts will be brass

Examples: B1

10LB1

10T1



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

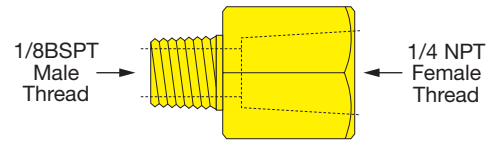
There is no extra cost for Nickel Plate on most parts.

*Lead times and minimum quantities may apply!

6. Developing Part Numbers

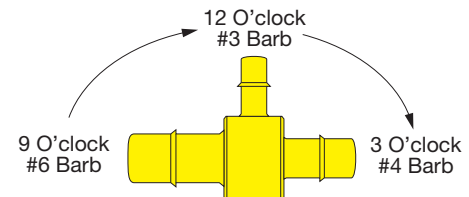
Use the convenient table on the previous page to select the barb numbers (sizes) corresponding to the internal diameters (I.D.) of the plastic tubing being used.

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



Example: 1/8BSPTx1/4F (Line # 721, Page 402)

Branch numbers indicate barb sizes. First number designates the branch at the 9:00 O'clock position in the drawing. The largest branch is called out first. Other branch numbers follow in a clockwise direction.



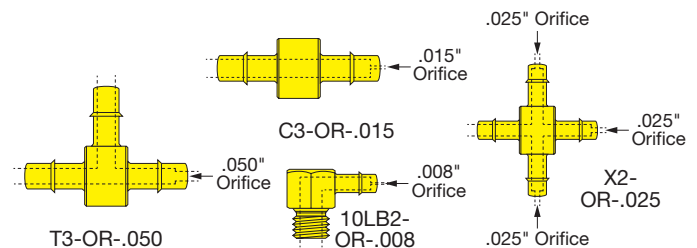
Example: RT6-3-4 (Line # 29, Page 6)

7. Orifice Fittings

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

ALL PARTS CAN BE ORIFICES. Consult Factory for details.

See section G2 for Orifice Fittings.



8. Other Services

• Passivation • Oxygen Cleaning • Gold Plating
• Applying Thread Sealants

The general dimensions in this catalog are subject to change without notice.

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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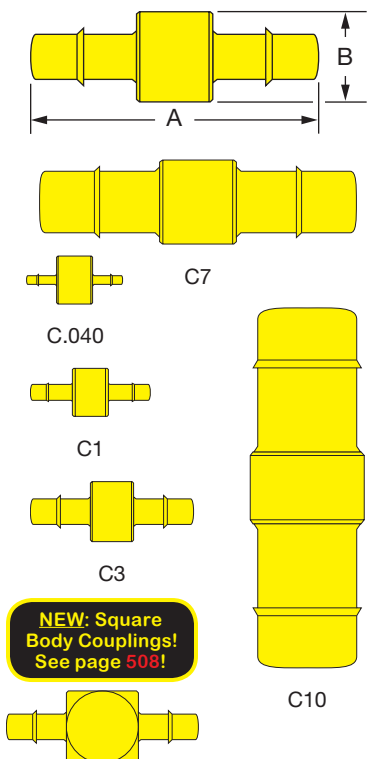
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Couplings

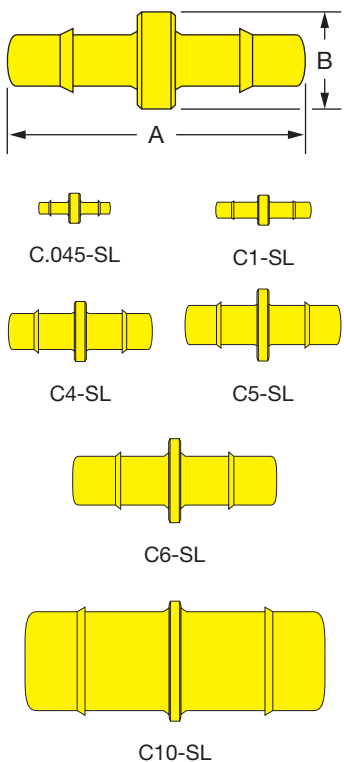


Couplings with $\frac{3}{8}$ " Tube ID's or larger are available in various body widths. Consult factory for details!

Tube ID	Part Numbers					Dimensions (Reference)	
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Dia.
$\frac{1}{32}$	C.031	C.031-SS	C.031-316SS	C.031-AL	C.031-NP	$\frac{9}{16}$	$\frac{1}{4}$
.040 / 1mm	C.040	C.040-SS	C.040-316SS	C.040-AL	C.040-NP	$\frac{9}{16}$	$\frac{1}{4}$
$\frac{3}{64}$	C.045	C.045-SS	C.045-316SS	C.045-AL	C.045-NP	$\frac{9}{16}$	$\frac{1}{4}$
.050	C.050	C.050-SS	C.050-316SS	C.050-AL	C.050-NP	$\frac{9}{16}$	$\frac{1}{4}$
$\frac{1}{16}$	C1	C1-SS	C1-316SS	C1-AL	C1-NP	$\frac{5}{8}$	$\frac{1}{4}$
$\frac{5}{64}$ / 2mm	C2	C2-SS	C2-316SS	C2-AL	C2-NP	$\frac{5}{8}$	$\frac{1}{4}$
$\frac{3}{32}$	C2 $\frac{1}{2}$	C2 $\frac{1}{2}$ -SS	C2 $\frac{1}{2}$ -316SS	C2 $\frac{1}{2}$ -AL	C2 $\frac{1}{2}$ -NP	$\frac{41}{64}$	$\frac{5}{16}$
$\frac{1}{8}$	C3	C3-SS	C3-316SS	C3-AL	C3-NP	$\frac{27}{32}$	$\frac{5}{16}$
$\frac{5}{32}$ / 4mm	C3 $\frac{1}{2}$	C3 $\frac{1}{2}$ -SS	C3 $\frac{1}{2}$ -316SS	C3 $\frac{1}{2}$ -AL	C3 $\frac{1}{2}$ -NP	$\frac{27}{32}$	$\frac{5}{16}$
.170	C4	C4-SS	C4-316SS	C4-AL	C4-NP	$\frac{15}{16}$	$\frac{5}{16}$
$\frac{3}{16}$	C5	C5-SS	C5-316SS	C5-AL	C5-NP	1.00	$\frac{3}{8}$
$\frac{7}{32}$	C5 $\frac{1}{2}$	C5 $\frac{1}{2}$ -SS	C5 $\frac{1}{2}$ -316SS	C5 $\frac{1}{2}$ -AL	C5 $\frac{1}{2}$ -NP	1.00	$\frac{3}{8}$
6mm	C5 $\frac{3}{4}$	C5 $\frac{3}{4}$ -SS	C5 $\frac{3}{4}$ -316SS	C5 $\frac{3}{4}$ -AL	C5 $\frac{3}{4}$ -NP	$\frac{15}{16}$	$\frac{7}{16}$
$\frac{1}{4}$	C6	C6-SS	C6-316SS	C6-AL	C6-NP	$\frac{15}{16}$	$\frac{7}{16}$
$\frac{5}{16}$ / 8mm	C7	C7-SS	C7-316SS	C7-AL	C7-NP	$\frac{121}{32}$	$\frac{5}{8}$
$\frac{3}{8}$	C8	C8-SS	C8-316SS	C8-AL	C8-NP	$\frac{15}{16}$	$\frac{9}{16}$
$\frac{1}{2}$	C10	C10-SS	C10-316SS	C10-AL	C10-NP	$\frac{17}{8}$	$\frac{19}{32}$
$\frac{5}{8}$	C11	C11-SS	C11-316SS	C11-AL	C11-NP	$\frac{21}{8}$	1.00
$\frac{3}{4}$	C12	C12-SS	C12-316SS	C12-AL	C12-NP	$\frac{21}{8}$	$\frac{11}{8}$

Slim Line Couplings

2



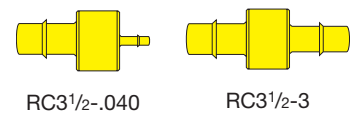
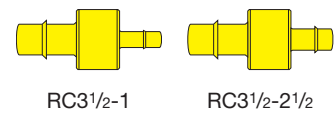
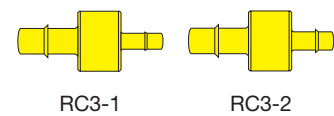
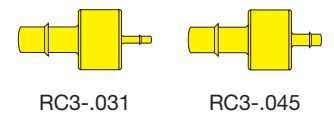
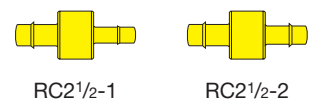
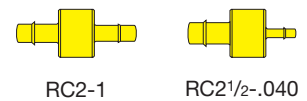
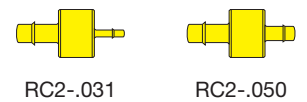
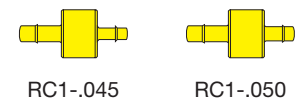
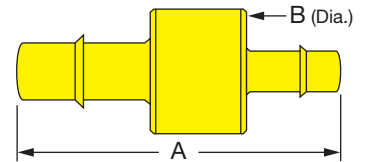
Note: Images are for visual representation only; not intended for dimensional measurements.

Tube ID	Part Numbers					Dimensions (Reference)	
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Dia.
$\frac{1}{32}$	C.031-SL	C.031-SL-SS	C.031-SL-316SS	C.031-SL-AL	C.031-SL-NP	$\frac{3}{8}$	$\frac{5}{32}$
.040 / 1mm	C.040-SL	C.040-SL-SS	C.040-SL-316SS	C.040-SL-AL	C.040-SL-NP	$\frac{3}{8}$	$\frac{5}{32}$
$\frac{3}{64}$	C.045-SL	C.045-SL-SS	C.045-SL-316SS	C.045-SL-AL	C.045-SL-NP	$\frac{3}{8}$	$\frac{5}{32}$
.050	C.050-SL	C.050-SL-SS	C.050-SL-316SS	C.050-SL-AL	C.050-SL-NP	$\frac{3}{8}$	$\frac{5}{32}$
$\frac{1}{16}$	C1-SL	C1-SL-SS	C1-SL-316SS	C1-SL-AL	C1-SL-NP	$\frac{1}{2}$	$\frac{5}{32}$
$\frac{5}{64}$ / 2mm	C2-SL	C2-SL-SS	C2-SL-316SS	C2-SL-AL	C2-SL-NP	$\frac{1}{2}$	$\frac{5}{32}$
$\frac{3}{32}$	C2 $\frac{1}{2}$ -SL	C2 $\frac{1}{2}$ -SL-SS	C2 $\frac{1}{2}$ -SL-316SS	C2 $\frac{1}{2}$ -SL-AL	C2 $\frac{1}{2}$ -SL-NP	$\frac{1}{2}$	$\frac{9}{32}$
$\frac{1}{8}$	C3-SL	C3-SL-SS	C3-SL-316SS	C3-SL-AL	C3-SL-NP	$\frac{11}{16}$	$\frac{1}{4}$
$\frac{5}{32}$ / 4mm	C3 $\frac{1}{2}$ -SL	C3 $\frac{1}{2}$ -SL-SS	C3 $\frac{1}{2}$ -SL-316SS	C3 $\frac{1}{2}$ -SL-AL	C3 $\frac{1}{2}$ -SL-NP	$\frac{11}{16}$	$\frac{5}{16}$
.170	C4-SL	C4-SL-SS	C4-SL-316SS	C4-SL-AL	C4-SL-NP	$\frac{3}{4}$	$\frac{5}{16}$
$\frac{3}{16}$	C5-SL	C5-SL-SS	C5-SL-316SS	C5-SL-AL	C5-SL-NP	$\frac{13}{16}$	$\frac{3}{8}$
$\frac{7}{32}$	C5 $\frac{1}{2}$ -SL	C5 $\frac{1}{2}$ -SL-SS	C5 $\frac{1}{2}$ -SL-316SS	C5 $\frac{1}{2}$ -SL-AL	C5 $\frac{1}{2}$ -SL-NP	$\frac{13}{16}$	$\frac{3}{8}$
6mm	C5 $\frac{3}{4}$ -SL	C5 $\frac{3}{4}$ -SL-SS	C5 $\frac{3}{4}$ -SL-316SS	C5 $\frac{3}{4}$ -SL-AL	C5 $\frac{3}{4}$ -SL-NP	$\frac{13}{16}$	$\frac{7}{16}$
$\frac{1}{4}$	C6-SL	C6-SL-SS	C6-SL-316SS	C6-SL-AL	C6-SL-NP	$\frac{11}{16}$	$\frac{7}{16}$
$\frac{5}{16}$ / 8mm	C7-SL	C7-SL-SS	C7-SL-316SS	C7-SL-AL	C7-SL-NP	$\frac{15}{16}$	$\frac{7}{16}$
$\frac{3}{8}$	C8-SL	C8-SL-SS	C8-SL-316SS	C8-SL-AL	C8-SL-NP	$\frac{17}{8}$	$\frac{7}{16}$
$\frac{1}{2}$	C10-SL	C10-SL-SS	C10-SL-316SS	C10-SL-AL	C10-SL-NP	$\frac{15}{16}$	$\frac{3}{4}$
$\frac{5}{8}$	C11-SL	C11-SL-SS	C11-SL-316SS	C11-SL-AL	C11-SL-NP	$\frac{21}{2}$	1.00
$\frac{3}{4}$	C12-SL	C12-SL-SS	C12-SL-316SS	C12-SL-AL	C12-SL-NP	$\frac{21}{2}$	$\frac{11}{8}$

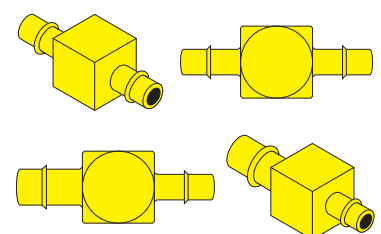
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Reducing Couplings

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	5/16
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	5/16
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	5/16
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	5/16
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	5/16
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	5/16
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
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

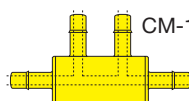


NEW: Square Body Couplings and Reducing Couplings! See page 508!

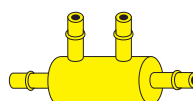


Continued on next page

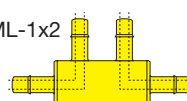
Coupling Manifolds also available! See pages 496-497!



CM-1-1x2

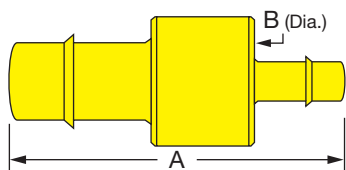


CML-1x2



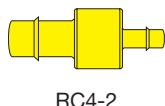


Reducing Couplings

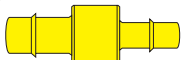


RC4-.031

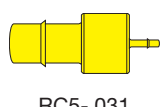
RC4-1



RC4-2



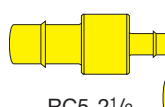
RC4-3



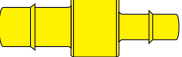
RC5-.031



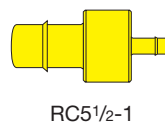
RC5-.040



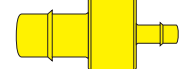
RC5-2 1/2



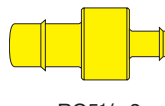
RC5-3



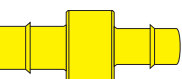
RC5 1/2-1



RC5 1/2-2



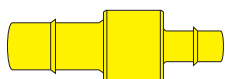
RC5 1/2-3



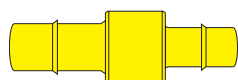
RC5 1/2-4



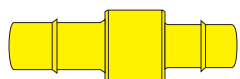
RC5 3/4-2 1/2



RC5 3/4-3 1/2

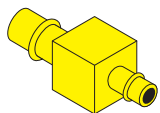


RC5 3/4-5



RC5 3/4-5 1/2

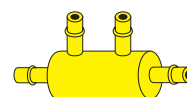
NEW:
Square Body
Reducing
Couplings!
See page 508!



Continued on next page

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.
.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
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

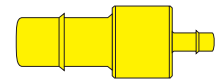
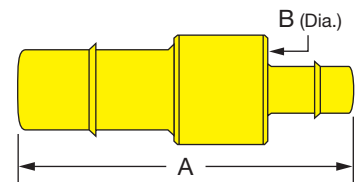
Coupling Manifolds also available! See pages 496 & 597!



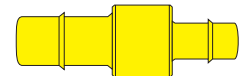
5

Reducing Couplings

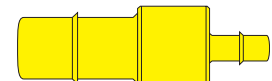
Tube ID		Part Numbers					Dimensions (Reference)	
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Dia.
1/4	1/16	RC6-1	RC6-1-SS	RC6-1-316SS	RC6-1-AL	RC6-1-NP	1 1/32	3/8
1/4	5/64 / 2mm	RC6-2	RC6-2-SS	RC6-2-316SS	RC6-2-AL	RC6-2-NP	1 1/32	3/8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



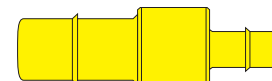
RC6-2



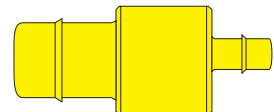
RC6-4



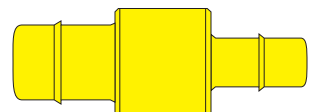
RC7-3



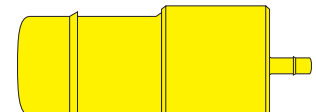
RC7-4



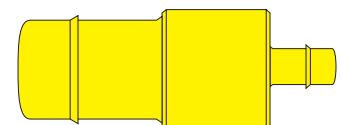
RC8-3 1/2



RC8-6



RC10-1



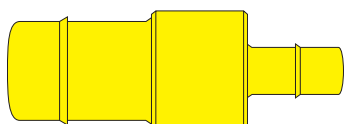
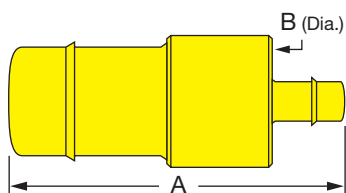
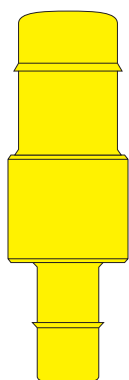
RC10-4

NEW:
Square Body Couplings &
Reducing Couplings!
See page 508!

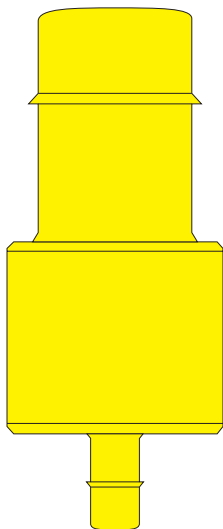
Continued on next page



Reducing Couplings

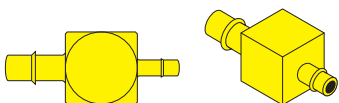
RC10-5³/₄

RC10-7



RC12-6

NEW: Square Body Reducing Couplings! See page 508!



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.
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
5/8	5/64 / 2mm	RC11-2	RC11-2-SS	RC11-2-316SS	RC11-2-AL	RC11-2-NP	Consult	Factory
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	Consult	Factory
5/8	1/8	RC11-3	RC11-3-SS	RC11-3-316SS	RC11-3-AL	RC11-3-NP	Consult	Factory
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	Consult	Factory
5/8	.170	RC11-4	RC11-4-SS	RC11-4-316SS	RC11-4-AL	RC11-4-NP	Consult	Factory
5/8	3/16	RC11-5	RC11-5-SS	RC11-5-316SS	RC11-5-AL	RC11-5-NP	Consult	Factory
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	Consult	Factory
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	Consult	Factory
5/8	1/4	RC11-6	RC11-6-SS	RC11-6-316SS	RC11-6-AL	RC11-6-NP	Consult	Factory
5/8	5/16 / 8mm	RC11-7	RC11-7-SS	RC11-7-316SS	RC11-7-AL	RC11-7-NP	Consult	Factory
5/8	3/8	RC11-8	RC11-8-SS	RC11-8-316SS	RC11-8-AL	RC11-8-NP	Consult	Factory
5/8	1/2	RC11-10	RC11-10-SS	RC11-10-316SS	RC11-10-AL	RC11-10-NP	Consult	Factory
3/4	1/16	RC12-1	RC12-1-SS	RC12-1-316SS	RC12-1-AL	RC12-1-NP	Consult	Factory
3/4	5/64 / 2mm	RC12-2	RC12-2-SS	RC12-2-316SS	RC12-2-AL	RC12-2-NP	Consult	Factory
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	Consult	Factory
3/4	1/8	RC12-3	RC12-3-SS	RC12-3-316SS	RC12-3-AL	RC12-3-NP	Consult	Factory
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	Consult	Factory
3/4	.170	RC12-4	RC12-4-SS	RC12-4-316SS	RC12-4-AL	RC12-4-NP	Consult	Factory
3/4	3/16	RC12-5	RC12-5-SS	RC12-5-316SS	RC12-5-AL	RC12-5-NP	Consult	Factory
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
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	Consult	Factory
3/4	1/4	RC12-6	RC12-6-SS	RC12-6-316SS	RC12-6-AL	RC12-6-NP	Consult	Factory
3/4	5/16 / 8mm	RC12-7	RC12-7-SS	RC12-7-316SS	RC12-7-AL	RC12-7-NP	Consult	Factory
3/4	3/8	RC12-8	RC12-8-SS	RC12-8-316SS	RC12-8-AL	RC12-8-NP	Consult	Factory
3/4	1/2	RC12-10	RC12-10-SS	RC12-10-316SS	RC12-10-AL	RC12-10-NP	Consult	Factory
3/4	5/8	RC12-11	RC12-11-SS	RC12-11-316SS	RC12-11-AL	RC12-11-NP	Consult	Factory

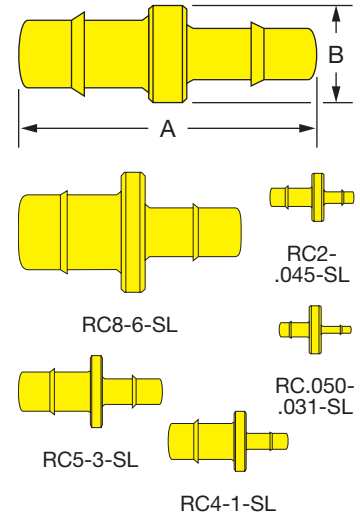
7

Slim Line Reducing Couplings

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

Unless otherwise specified, parts will be brass!

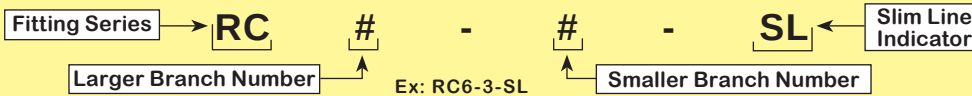
Branches		Dimensions (Reference)	
Tube ID	Branch Number	A Ref.	B Dia.
.170	4	Consult Factory	Consult Factory
3/16	5		
7/32	5 1/2		
6mm	5 3/4		
1/4	6		
5/8 / 8mm	7		
3/8	8		
1/2	10		
5/8	11		
3/4	12		



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

Part Numbers for Reducing Slim Line Couplings:



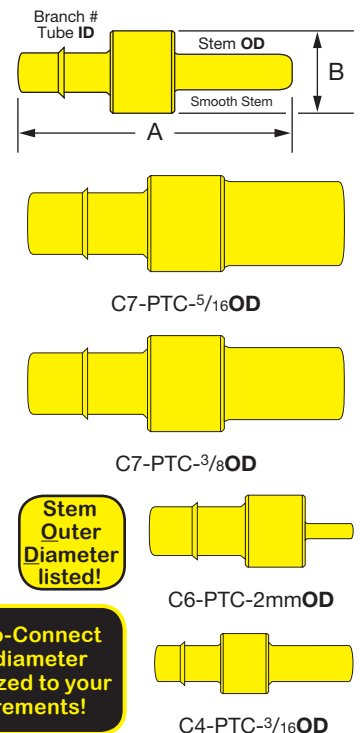
8

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

Unless otherwise specified, parts will be brass!

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



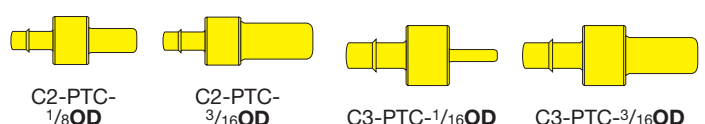
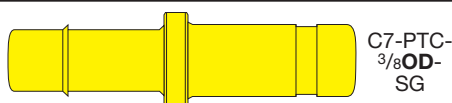
Part Numbers for Push to Connect Couplings:

Material options listed above.
Aluminum NOT available.



Push-to-Connect stem diameter customized to your requirements!

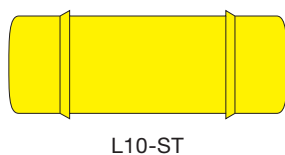
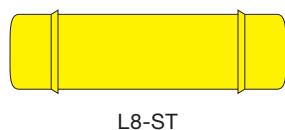
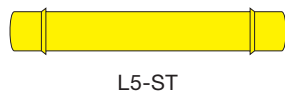
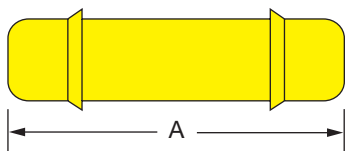
Also available with Stem Groove (-SG)! Consult factory for details!





9

Straights

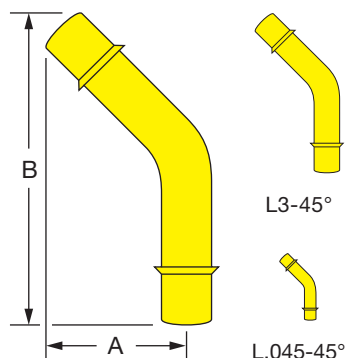
**ST = STRAIGHT**

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	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	17/16	
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	17/16	
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	17/16	
1/4	L6-ST	L6-ST-SS	L6-ST-316SS	L6-ST-AL	L6-ST-NP	17/16	
5/16 / 8mm	L7-ST	L7-ST-SS	L7-ST-316SS	L7-ST-AL	L7-ST-NP	17/16	
3/8	L8-ST	L8-ST-SS	L8-ST-316SS	L8-ST-AL	L8-ST-NP	17/16	
1/2	L10-ST	L10-ST-SS	L10-ST-316SS	L10-ST-AL	L10-ST-NP	17/16	
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

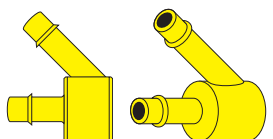
10



L3-45°

L.045-45°

Other 45° options available!
Consult factory for details!

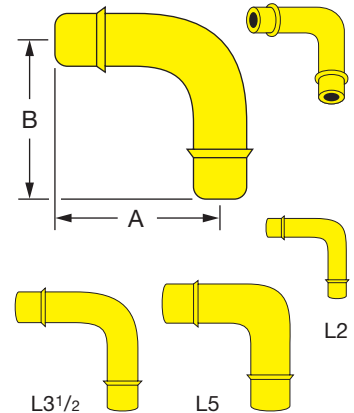


Tube ID	Part Numbers					Dimensions (Reference)	
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Ref.
1/32	L.031-45°	L.031-45°-SS	L.031-45°-316SS	L.031-45°-AL	L.031-45°-NP	Consult	Factory
.040 / 1mm	L.040-45°	L.040-45°-SS	L.040-45°-316SS	L.040-45°-AL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

11

90° Elbows

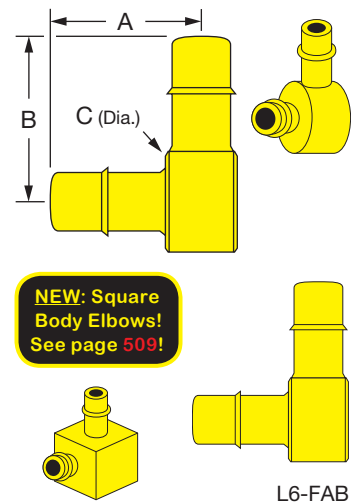
Tube ID	Part Numbers					Dimensions (Reference)	
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Ref.
1/16	L1	L1-SS	L1-316SS	L1-AL	L1-NP	1/4	1/4
5/64 / 2mm	L2	L2-SS	L2-316SS	L2-AL	L2-NP	3/8	3/8
3/32	L2 1/2	L2 1/2-SS	L2 1/2-316SS	L2 1/2-AL	L2 1/2-NP	1/2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



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90° Fabricated Elbows

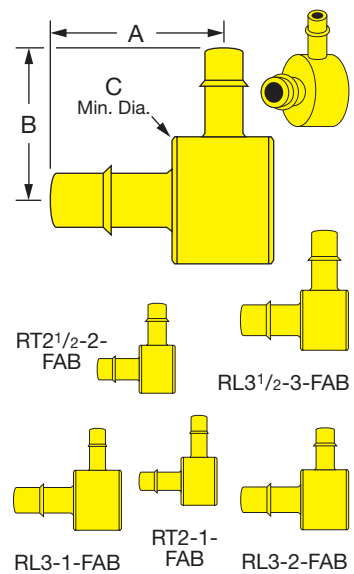
Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Ref.	C Dia.
7/32	L5 1/2-FAB	L5 1/2-FAB-SS	L5 1/2-FAB-316SS	N/A	L5 1/2-FAB-NP	2 1/32	17/32	7/16
6mm	L5 3/4-FAB	L5 3/4-FAB-SS	L5 3/4-FAB-316SS	N/A	L5 3/4-FAB-NP	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	1 5/64	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		



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90° Reducing Fabricated Elbows

Tube ID		Part Numbers				Dimensions (Reference)		
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Ref.	C Dia.
5/64 / 2mm	1/16	RL2-1-FAB	RL2-1-FAB-SS	RL2-1-FAB-316SS	RL2-1-FAB-NP	Consult Factory	Consult Factory	1/4
3/32	5/64 / 2mm	RL2 1/2-2-FAB	RL2 1/2-2-FAB-SS	RL2 1/2-2-FAB-316SS	RL2 1/2-2-FAB-NP	Consult Factory	Consult Factory	1/4
3/32	1/16	RL2 1/2-1-FAB	RL2 1/2-1-FAB-SS	RL2 1/2-1-FAB-316SS	RL2 1/2-1-FAB-NP	Consult Factory	Consult Factory	1/4
1/8	3/32	RL3-2 1/2-FAB	RL3-2 1/2-FAB-SS	RL3-2 1/2-FAB-316SS	RL3-2 1/2-FAB-NP	Consult Factory	Consult Factory	5/16
1/8	5/64 / 2mm	RL3-2-FAB	RL3-2-FAB-SS	RL3-2-FAB-316SS	RL3-2-FAB-NP	Consult Factory	Consult Factory	5/16
1/8	1/16	RL3-1-FAB	RL3-1-FAB-SS	RL3-1-FAB-316SS	RL3-1-FAB-NP	Consult Factory	Consult Factory	5/16
5/32 / 4mm	1/8	RL3 1/2-3-FAB	RL3 1/2-3-FAB-SS	RL3 1/2-3-FAB-316SS	RL3 1/2-3-FAB-NP	Consult Factory	Consult Factory	5/16
5/32 / 4mm	3/32	RL3 1/2-2 1/2-FAB	RL3 1/2-2 1/2-FAB-SS	RL3 1/2-2 1/2-FAB-316SS	RL3 1/2-2 1/2-FAB-NP	Consult Factory	Consult Factory	5/16
5/32 / 4mm	5/64 / 2mm	RL3 1/2-2-FAB	RL3 1/2-2-FAB-SS	RL3 1/2-2-FAB-316SS	RL3 1/2-2-FAB-NP	Consult Factory	Consult Factory	5/16
5/32 / 4mm	1/16	RL3 1/2-1-FAB	RL3 1/2-1-FAB-SS	RL3 1/2-1-FAB-316SS	RL3 1/2-1-FAB-NP	Consult Factory	Consult Factory	5/16

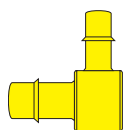
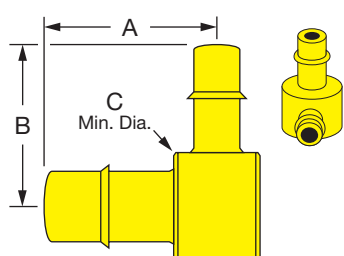


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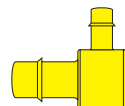


90° Reducing Fabricated Elbows

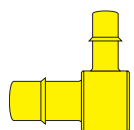
14



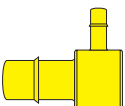
RL4-3-FAB



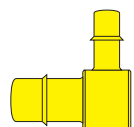
RL4-2 1/2-FAB



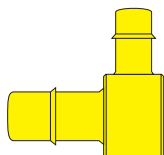
RT5-3-FAB



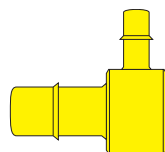
RL5-1-FAB



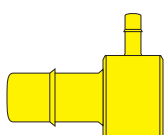
RL5 1/2-3 1/2-FAB



RL5 3/4-4-FAB



RL6-3-FAB



RL6-1-FAB

Smaller branch options available!
Consult factory for details!



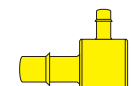
RL.040-.031-FAB



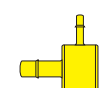
RT2-.045-FAB



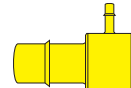
RT.050-.040-FAB



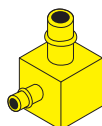
RL3-.050-FAB



RL1-.031-FAB



RT5-.040-FAB



**NEW: Square Body
Reducing Elbows!**
See page 509!

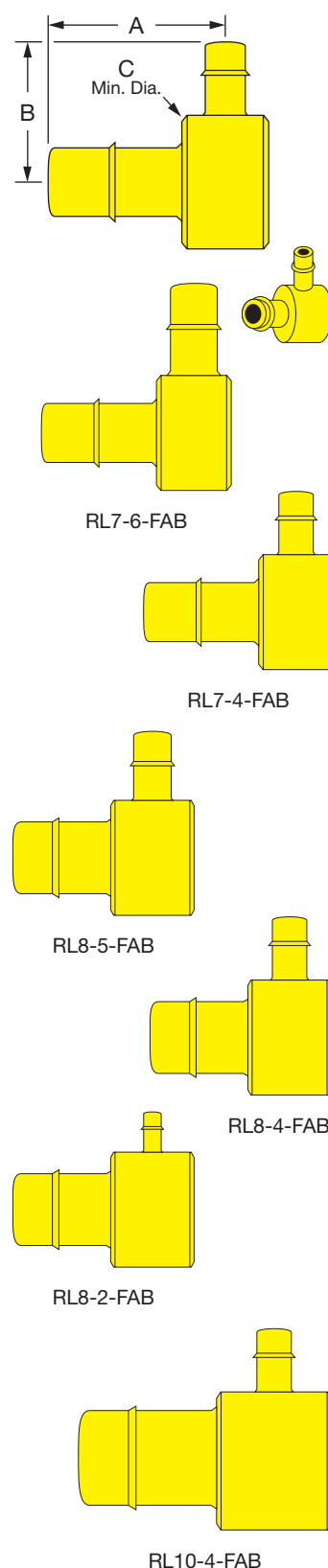
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Tube ID		Part Numbers				Dimensions (Reference)		
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Ref.	C Dia.
.170	5/32 / 4mm	RL4-3 1/2-FAB	RL4-3 1/2-FAB-SS	RL4-3 1/2-FAB-316SS	RL4-3 1/2-FAB-NP	Consult	Factory	5/16
.170	1/8	RL4-3-FAB	RL4-3-FAB-SS	RL4-3-FAB-316SS	RL4-3-FAB-NP	Consult	Factory	5/16
.170	3/32	RL4-2 1/2-FAB	RL4-2 1/2-FAB-SS	RL4-2 1/2-FAB-316SS	RL4-2 1/2-FAB-NP	Consult	Factory	5/16
.170	5/64 / 2mm	RL4-2-FAB	RL4-2-FAB-SS	RL4-2-FAB-316SS	RL4-2-FAB-NP	Consult	Factory	5/16
.170	1/16	RL4-1-FAB	RL4-1-FAB-SS	RL4-1-FAB-316SS	RL4-1-FAB-NP	Consult	Factory	5/16
3/16	.170	RL5-4-FAB	RL5-4-FAB-SS	RL5-4-FAB-316SS	RL5-4-FAB-NP	Consult	Factory	3/8
3/16	5/32 / 4mm	RL5-3 1/2-FAB	RL5-3 1/2-FAB-SS	RL5-3 1/2-FAB-316SS	RL5-3 1/2-FAB-NP	Consult	Factory	3/8
3/16	1/8	RL5-3-FAB	RL5-3-FAB-SS	RL5-3-FAB-316SS	RL5-3-FAB-NP	Consult	Factory	3/8
3/16	3/32	RL5-2 1/2-FAB	RL5-2 1/2-FAB-SS	RL5-2 1/2-FAB-316SS	RL5-2 1/2-FAB-NP	Consult	Factory	3/8
3/16	5/64 / 2mm	RL5-2-FAB	RL5-2-FAB-SS	RL5-2-FAB-316SS	RL5-2-FAB-NP	Consult	Factory	3/8
3/16	1/16	RL5-1-FAB	RL5-1-FAB-SS	RL5-1-FAB-316SS	RL5-1-FAB-NP	Consult	Factory	3/8
7/32	3/16	RL5 1/2-5-FAB	RL5 1/2-5-FAB-SS	RL5 1/2-5-FAB-316SS	RL5 1/2-5-FAB-NP	Consult	Factory	3/8
7/32	.170	RL5 1/2-4-FAB	RL5 1/2-4-FAB-SS	RL5 1/2-4-FAB-316SS	RL5 1/2-4-FAB-NP	Consult	Factory	3/8
7/32	5/32 / 4mm	RL5 1/2-3 1/2-FAB	RL5 1/2-3 1/2-FAB-SS	RL5 1/2-3 1/2-FAB-316SS	RL5 1/2-3 1/2-FAB-NP	Consult	Factory	3/8
7/32	1/8	RL5 1/2-3-FAB	RL5 1/2-3-FAB-SS	RL5 1/2-3-FAB-316SS	RL5 1/2-3-FAB-NP	Consult	Factory	3/8
7/32	3/32	RL5 1/2-2 1/2-FAB	RL5 1/2-2 1/2-FAB-SS	RL5 1/2-2 1/2-FAB-316SS	RL5 1/2-2 1/2-FAB-NP	Consult	Factory	3/8
7/32	5/64 / 2mm	RL5 1/2-2-FAB	RL5 1/2-2-FAB-SS	RL5 1/2-2-FAB-316SS	RL5 1/2-2-FAB-NP	Consult	Factory	3/8
7/32	1/16	RL5 1/2-1-FAB	RL5 1/2-1-FAB-SS	RL5 1/2-1-FAB-316SS	RL5 1/2-1-FAB-NP	Consult	Factory	3/8
6mm	7/32	RL5 3/4-5 1/2-FAB	RL5 3/4-5 1/2-FAB-SS	RL5 3/4-5 1/2-FAB-316SS	RL5 3/4-5 1/2-FAB-NP	Consult	Factory	3/8
6mm	3/16	RL5 3/4-5-FAB	RL5 3/4-5-FAB-SS	RL5 3/4-5-FAB-316SS	RL5 3/4-5-FAB-NP	Consult	Factory	3/8
6mm	.170	RL5 3/4-4-FAB	RL5 3/4-4-FAB-SS	RL5 3/4-4-FAB-316SS	RL5 3/4-4-FAB-NP	Consult	Factory	3/8
6mm	5/32 / 4mm	RL5 3/4-3 1/2-FAB	RL5 3/4-3 1/2-FAB-SS	RL5 3/4-3 1/2-FAB-316SS	RL5 3/4-3 1/2-FAB-NP	Consult	Factory	3/8
6mm	1/8	RL5 3/4-3-FAB	RL5 3/4-3-FAB-SS	RL5 3/4-3-FAB-316SS	RL5 3/4-3-FAB-NP	Consult	Factory	3/8
6mm	3/32	RL5 3/4-2 1/2-FAB	RL5 3/4-2 1/2-FAB-SS	RL5 3/4-2 1/2-FAB-316SS	RL5 3/4-2 1/2-FAB-NP	Consult	Factory	3/8
6mm	5/64 / 2mm	RL5 3/4-2-FAB	RL5 3/4-2-FAB-SS	RL5 3/4-2-FAB-316SS	RL5 3/4-2-FAB-NP	Consult	Factory	3/8
6mm	1/16	RL5 3/4-1-FAB	RL5 3/4-1-FAB-SS	RL5 3/4-1-FAB-316SS	RL5 3/4-1-FAB-NP	Consult	Factory	3/8
1/4	6mm	RL6-5 3/4-FAB	RL6-5 3/4-FAB-SS	RL6-5 3/4-FAB-316SS	RL6-5 3/4-FAB-NP	Consult	Factory	7/16
1/4	7/32	RL6-5 1/2-FAB	RL6-5 1/2-FAB-SS	RL6-5 1/2-FAB-316SS	RL6-5 1/2-FAB-NP	Consult	Factory	7/16
1/4	3/16	RL6-5-FAB	RL6-5-FAB-SS	RL6-5-FAB-316SS	RL6-5-FAB-NP	Consult	Factory	7/16
1/4	.170	RL6-4-FAB	RL6-4-FAB-SS	RL6-4-FAB-316SS	RL6-4-FAB-NP	Consult	Factory	7/16
1/4	5/32 / 4mm	RL6-3 1/2-FAB	RL6-3 1/2-FAB-SS	RL6-3 1/2-FAB-316SS	RL6-3 1/2-FAB-NP	Consult	Factory	7/16
1/4	1/8	RL6-3-FAB	RL6-3-FAB-SS	RL6-3-FAB-316SS	RL6-3-FAB-NP	Consult	Factory	7/16
1/4	3/32	RL6-2 1/2-FAB	RL6-2 1/2-FAB-SS	RL6-2 1/2-FAB-316SS	RL6-2 1/2-FAB-NP	Consult	Factory	7/16
1/4	5/64 / 2mm	RL6-2-FAB	RL6-2-FAB-SS	RL6-2-FAB-316SS	RL6-2-FAB-NP	Consult	Factory	7/16
1/4	1/16	RL6-1-FAB	RL6-1-FAB-SS	RL6-1-FAB-316SS	RL6-1-FAB-NP	Consult	Factory	7/16

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90° Reducing Fabricated Elbows

Tube ID		Part Numbers				Dimensions (Reference)		
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Ref.	C Dia.
5/16 / 8mm	1/4	RL7-6-FAB	RL7-6-FAB-SS	RL7-6-FAB-316SS	RL7-6-FAB-NP	Consult	Factory	5/8
5/16 / 8mm	6mm	RL7-5 3/4-FAB	RL7-5 3/4-FAB-SS	RL7-5 3/4-FAB-316SS	RL7-5 3/4-FAB-NP	Consult	Factory	5/8
5/16 / 8mm	7/32	RL7-5 1/2-FAB	RL7-5 1/2-FAB-SS	RL7-5 1/2-FAB-316SS	RL7-5 1/2-FAB-NP	Consult	Factory	5/8
5/16 / 8mm	3/16	RL7-5-FAB	RL7-5-FAB-SS	RL7-5-FAB-316SS	RL7-5-FAB-NP	Consult	Factory	5/8
5/16 / 8mm	.170	RL7-4-FAB	RL7-4-FAB-SS	RL7-4-FAB-316SS	RL7-4-FAB-NP	Consult	Factory	5/8
5/16 / 8mm	5/32 / 4mm	RL7-3 1/2-FAB	RL7-3 1/2-FAB-SS	RL7-3 1/2-FAB-316SS	RL7-3 1/2-FAB-NP	Consult	Factory	5/8
5/16 / 8mm	1/8	RL7-3-FAB	RL7-3-FAB-SS	RL7-3-FAB-316SS	RL7-3-FAB-NP	Consult	Factory	5/8
5/16 / 8mm	3/32	RL7-2 1/2-FAB	RL7-2 1/2-FAB-SS	RL7-2 1/2-FAB-316SS	RL7-2 1/2-FAB-NP	Consult	Factory	5/8
5/16 / 8mm	5/64 / 2mm	RL7-2-FAB	RL7-2-FAB-SS	RL7-2-FAB-316SS	RL7-2-FAB-NP	Consult	Factory	5/8
5/16 / 8mm	1/16	RL7-1-FAB	RL7-1-FAB-SS	RL7-1-FAB-316SS	RL7-1-FAB-NP	Consult	Factory	5/8
3/8	5/16 / 8mm	RL8-7-FAB	RL8-7-FAB-SS	RL8-7-FAB-316SS	RL8-7-FAB-NP	Consult	Factory	5/8
3/8	1/4	RL8-6-FAB	RL8-6-FAB-SS	RL8-6-FAB-316SS	RL8-6-FAB-NP	Consult	Factory	5/8
3/8	6mm	RL8-5 3/4-FAB	RL8-5 3/4-FAB-SS	RL8-5 3/4-FAB-316SS	RL8-5 3/4-FAB-NP	Consult	Factory	5/8
3/8	7/32	RL8-5 1/2-FAB	RL8-5 1/2-FAB-SS	RL8-5 1/2-FAB-316SS	RL8-5 1/2-FAB-NP	Consult	Factory	5/8
3/8	3/16	RL8-5-FAB	RL8-5-FAB-SS	RL8-5-FAB-316SS	RL8-5-FAB-NP	Consult	Factory	5/8
3/8	.170	RL8-4-FAB	RL8-4-FAB-SS	RL8-4-FAB-316SS	RL8-4-FAB-NP	Consult	Factory	5/8
3/8	5/32 / 4mm	RL8-3 1/2-FAB	RL8-3 1/2-FAB-SS	RL8-3 1/2-FAB-316SS	RL8-3 1/2-FAB-NP	Consult	Factory	5/8
3/8	1/8	RL8-3-FAB	RL8-3-FAB-SS	RL8-3-FAB-316SS	RL8-3-FAB-NP	Consult	Factory	5/8
3/8	3/32	RL8-2 1/2-FAB	RL8-2 1/2-FAB-SS	RL8-2 1/2-FAB-316SS	RL8-2 1/2-FAB-NP	Consult	Factory	5/8
3/8	5/64 / 2mm	RL8-2-FAB	RL8-2-FAB-SS	RL8-2-FAB-316SS	RL8-2-FAB-NP	Consult	Factory	5/8
3/8	1/16	RL8-1-FAB	RL8-1-FAB-SS	RL8-1-FAB-316SS	RL8-1-FAB-NP	Consult	Factory	5/8
1/2	3/8	RL10-8-FAB	RL10-8-FAB-SS	RL10-8-FAB-316SS	RL10-8-FAB-NP	Consult	Factory	3/4
1/2	5/16 / 8mm	RL10-7-FAB	RL10-7-FAB-SS	RL10-7-FAB-316SS	RL10-7-FAB-NP	Consult	Factory	3/4
1/2	1/4	RL10-6-FAB	RL10-6-FAB-SS	RL10-6-FAB-316SS	RL10-6-FAB-NP	Consult	Factory	3/4
1/2	6mm	RL10-5 3/4-FAB	RL10-5 3/4-FAB-SS	RL10-5 3/4-FAB-316SS	RL10-5 3/4-FAB-NP	Consult	Factory	3/4
1/2	7/32	RL10-5 1/2-FAB	RL10-5 1/2-FAB-SS	RL10-5 1/2-FAB-316SS	RL10-5 1/2-FAB-NP	Consult	Factory	3/4
1/2	3/16	RL10-5-FAB	RL10-5-FAB-SS	RL10-5-FAB-316SS	RL10-5-FAB-NP	Consult	Factory	3/4
1/2	.170	RL10-4-FAB	RL10-4-FAB-SS	RL10-4-FAB-316SS	RL10-4-FAB-NP	Consult	Factory	3/4
1/2	5/32 / 4mm	RL10-3 1/2-FAB	RL10-3 1/2-FAB-SS	RL10-3 1/2-FAB-316SS	RL10-3 1/2-FAB-NP	Consult	Factory	3/4
1/2	1/8	RL10-3-FAB	RL10-3-FAB-SS	RL10-3-FAB-316SS	RL10-3-FAB-NP	Consult	Factory	3/4
1/2	3/32	RL10-2 1/2-FAB	RL10-2 1/2-FAB-SS	RL10-2 1/2-FAB-316SS	RL10-2 1/2-FAB-NP	Consult	Factory	3/4
1/2	5/64 / 2mm	RL10-2-FAB	RL10-2-FAB-SS	RL10-2-FAB-316SS	RL10-2-FAB-NP	Consult	Factory	3/4
1/2	1/16	RL10-1-FAB	RL10-1-FAB-SS	RL10-1-FAB-316SS	RL10-1-FAB-NP	Consult	Factory	3/4
5/8	Consult Factory	RL11- #-FAB	RL11- #-FAB-SS	RL11- #-FAB-316SS	RL11- #-FAB-NP	Consult	Factory	
3/4	Consult Factory	RL12- #-FAB	RL12- #-FAB-SS	RL12- #-FAB-316SS	RL12- #-FAB-NP	Consult	Factory	

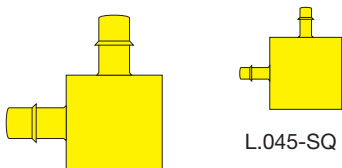
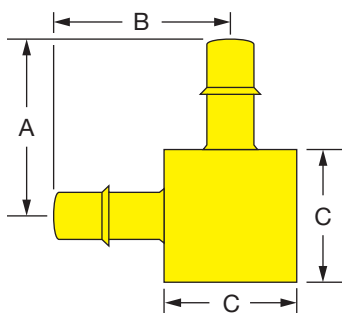


*#11 & #12 Branch sizes can reduce to various branch sizes. Consult factory for details and dimensions.

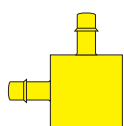


Square Body Elbows

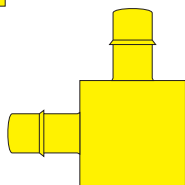
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L3 1/2-SQ



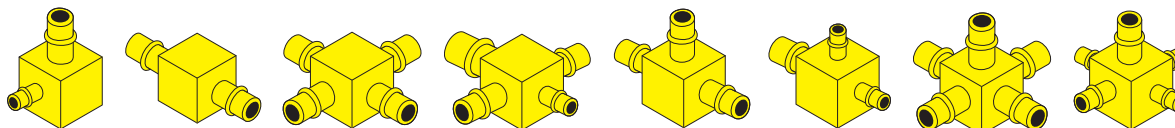
L2-SQ



L5-SQ

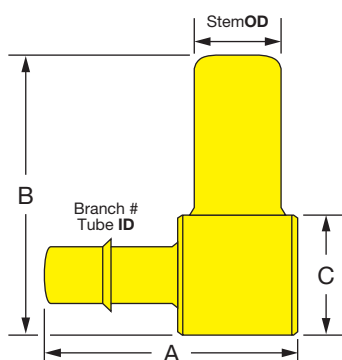
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Ref.	C Ref.
1/32	L.031-SQ	L.031-SQ-SS	L.031-SQ-316SS	L.031-SQ-NP	1 1/32	1 1/32	3/8
.040 / 1mm	L.040-SQ	L.040-SQ-SS	L.040-SQ-316SS	L.040-SQ-NP	1 1/32	1 1/32	3/8
3/64	L.045-SQ	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
3/8	L6-SQ	L6-SQ-SS	L6-SQ-316SS	L6-SQ-NP	.775	.775	.550

NEW:
Square Body Tube
to Tube Fittings!
See pages 509!



Push-To-Connect Fabricated Elbows

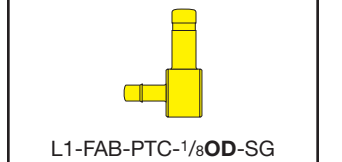
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L1-FAB-PTC-1/8OD

L3-FAB-PTC-3/16OD

Also available with Stem Groove!
(-SG) Consult factory for details!



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

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

Unless otherwise specified, parts will be brass!

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
5/8 / 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

Ex: L6-FAB-PTC-1/16OD

Part Numbers for Push to Connect Elbows:

Fitting Series	L	#	-	FAB	-	PTC	-	#OD	Stem OD
Branch Number				Fabricated Indicator		Push to Connect Indicator			

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

-SS = Stainless Steel 303

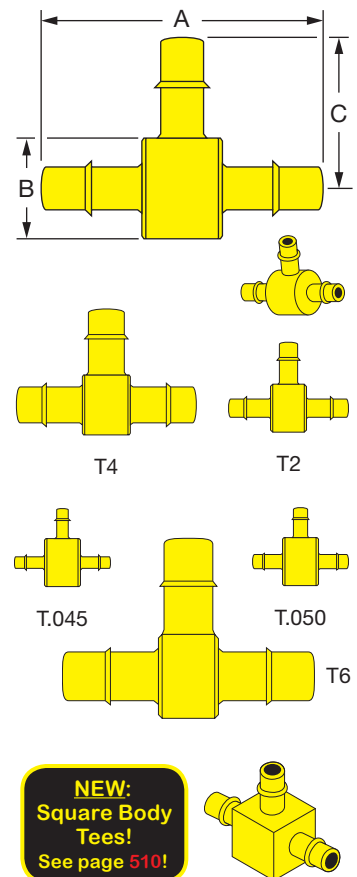
-316SS = Stainless Steel 316

-NP = Electroless Nickel Plate

18

Tees

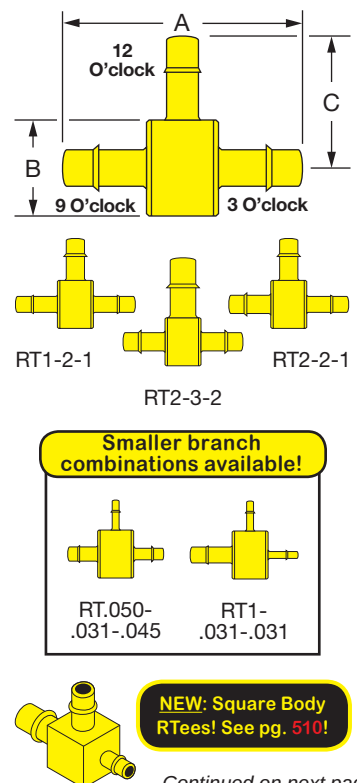
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
1/32	T.031	T.031-SS	T.031-316SS	T.031-NP	9/16	1/4	9/32
.040 / 1mm	T.040	T.040-SS	T.040-316SS	T.040-NP	9/16	1/4	9/32
3/64	T.045	T.045-SS	T.045-316SS	T.045-NP	9/16	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	1 21/32	5/8	15/16
3/8	T8	T8-SS	T8-316SS	T8-NP	1 33/64	9/16	27/32
1/2	T10	T10-SS	T10-316SS	T10-NP	2 1/16	3/4	1 1/16
5/8	T11	T11-SS	T11-316SS	T11-NP	2 1/8	1 1/8	7/8
3/4	T12	T12-SS	T12-316SS	T12-NP	2 1/8	1 1/8	7/8



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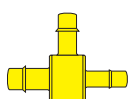
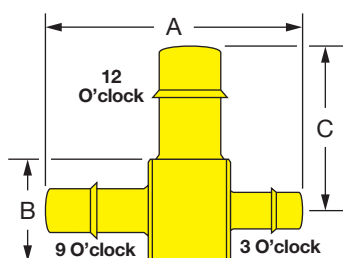
Reducing Tees

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

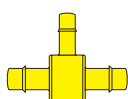




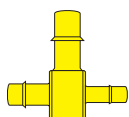
Reducing Tees



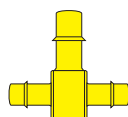
RT2 1/2-2-1



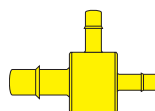
RT2 1/2-1-2 1/2



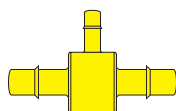
RT2 1/2-3-1



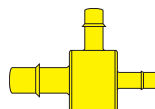
RT2 1/2-3-2 1/2



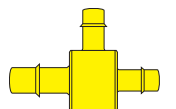
RT3-1-1



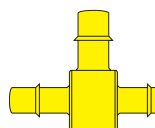
RT3-1-3



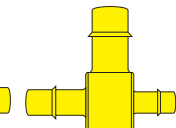
RT3-2-1



RT3-2 1/2-2 1/2

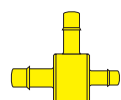


RT3-3 1/2-3

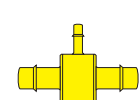


RT3-4-2 1/2

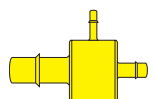
Smaller branch combinations available!
Consult factory for details!



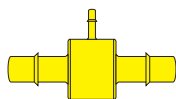
RT2-2-.050



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

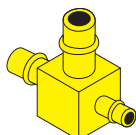


RT3-.031-.050



RT3-.031-3

NEW: Square Body Reducing Tees!
See page 510!

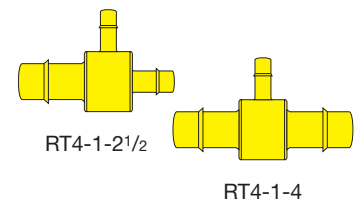
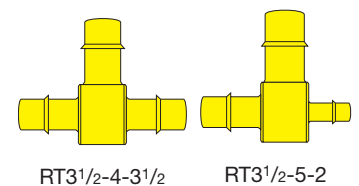
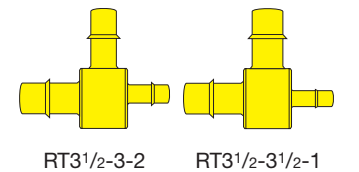
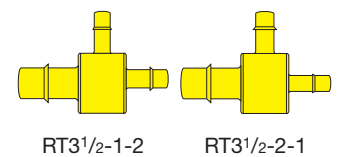
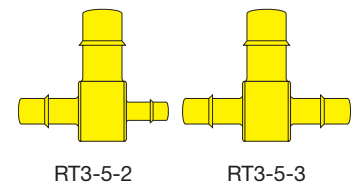
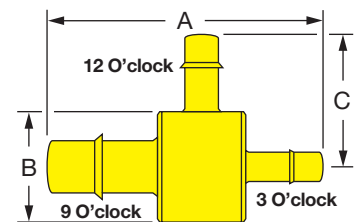


Tube ID			Part Numbers				Dimensions (Reference)		
9 O'clock	12 O'clock	3 O'clock	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
3/32	1/16	5/64 / 2mm	RT2 1/2-1-1	RT2 1/2-1-1-SS	RT2 1/2-1-1-316SS	RT2 1/2-1-1-NP	5/8	9/32	1 1/32
3/32	1/16	5/64 / 2mm	RT2 1/2-1-2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

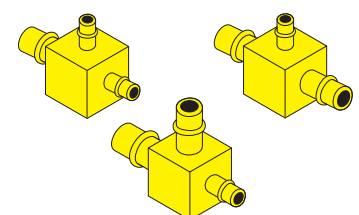
Note: Images are for visual representation only. Dimensions may vary at time of manufacturing! Consult factory for details.

Continued on next page

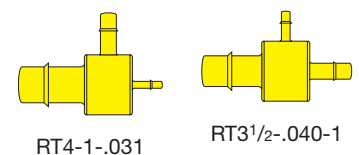
Tube ID			Part Numbers				Dimensions (Reference)		
9 O'clock	12 O'clock	3 O'clock	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
1/8	3/16	5/64 / 2mm	RT3-5-2	RT3-5-2-SS	RT3-5-2-316SS	RT3-5-2-NP	25/32	3/8	9/16
1/8	3/16	3/32	RT3-5-2 1/2	RT3-5-2 1/2-SS	RT3-5-2 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
.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



NEW: Reducing Tees with Square Body! See page 510!



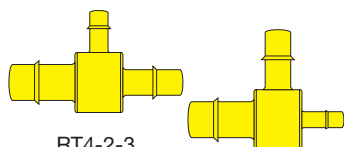
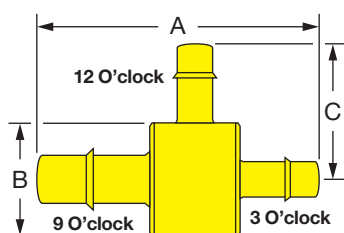
Smaller branch size combo's available! Consult factory!



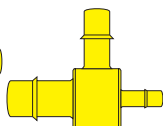
Continued on next page



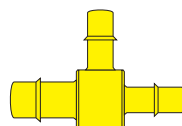
Reducing Tees



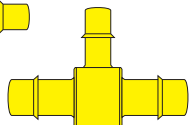
RT4-2-3



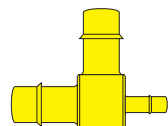
RT4-3-1



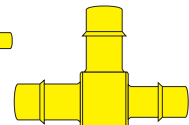
RT4-3-3



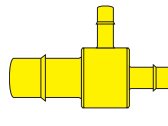
RT4-3-4



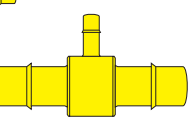
RT4-4-1



RT4-4-3 1/2

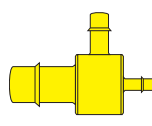


RT5-1-2 1/2

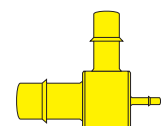


RT5-1-5

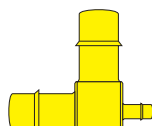
Smaller branch combinations available! Consult factory for details!



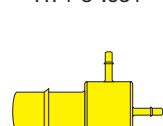
RT4-2-.045



RT4-3-.031

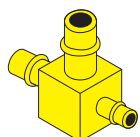


RT4-5-.050



RT5-.031-.031

NEW:
Square Body
Reducing Tees!
See page 510!

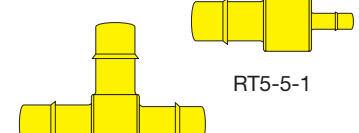
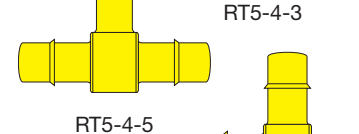
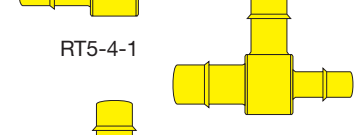
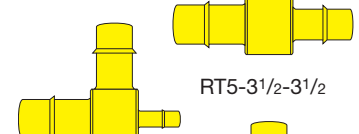
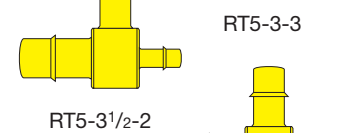
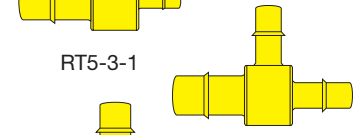
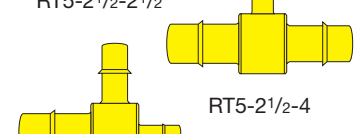
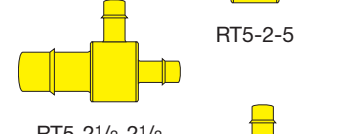
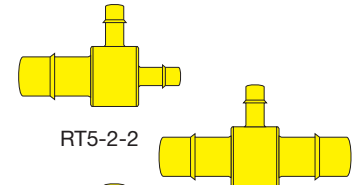
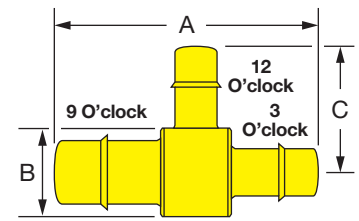


Tube ID			Part Numbers				Dimensions (Reference)		
9 O'clock	12 O'clock	3 O'clock	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
.170	5/64 / 2mm	1/16	RT4-2-1	RT4-2-1-SS	RT4-2-1-316SS	RT4-2-1-NP	13/16	5/16	3/8
.170	5/64 / 2mm	5/64 / 2mm	RT4-2-2	RT4-2-2-SS	RT4-2-2-316SS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

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

Continued on next page

Tube ID			Part Numbers				Dimensions (Reference)		
9 O'clock	12 O'clock	3 O'clock	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
3/16	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
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

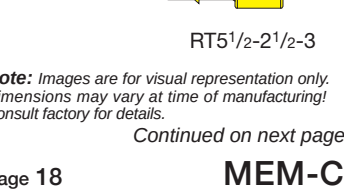
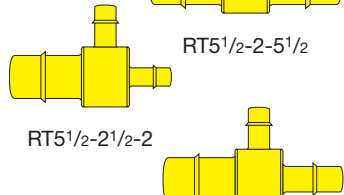
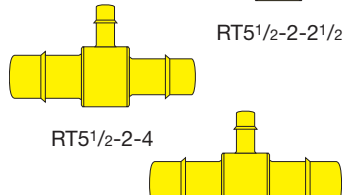
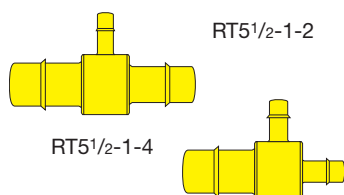
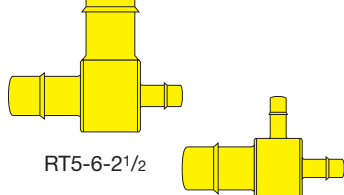
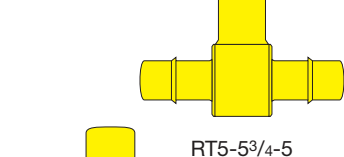
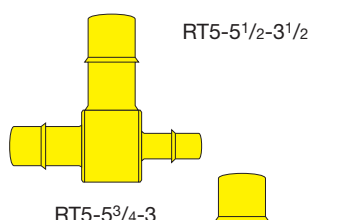
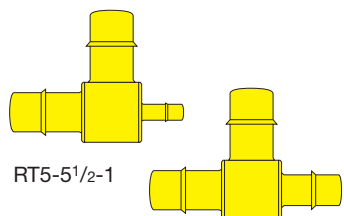
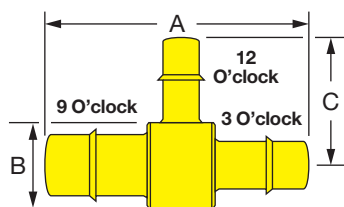


NEW:
Square Body
Reducing Tees!
See page 510!

Note: Images are for visual representation only.
Dimensions may vary at time of manufacturing!
Continued on next page



Reducing Tees



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

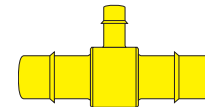
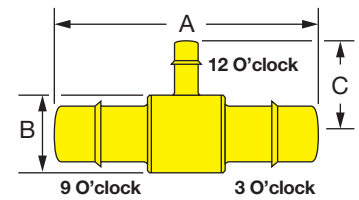
Note: Images are for visual representation only. Dimensions may vary at time of manufacturing! Consult factory for details.

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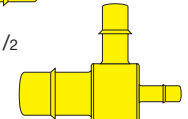
25

Reducing Tees

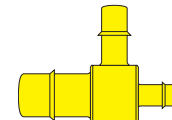
Tube ID			Part Numbers				Dimensions (Reference)		
9 O'clock	12 O'clock	3 O'clock	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
7/32	3/32	5/32 / 4mm	RT5 ¹ / ₂ -2 ¹ / ₂ -3 ¹ / ₂	RT5 ¹ / ₂ -2 ¹ / ₂ -3 ¹ / ₂ -SS	RT5 ¹ / ₂ -2 ¹ / ₂ -3 ¹ / ₂ -316SS	RT5 ¹ / ₂ -2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



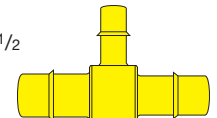
RT5¹/₂-2¹/₂-5¹/₂



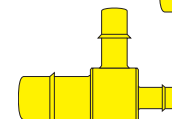
RT5¹/₂-3-1



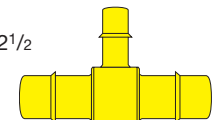
RT5¹/₂-3-2¹/₂



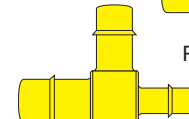
RT5¹/₂-3-5



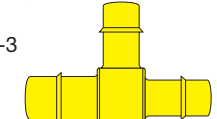
RT5¹/₂-3¹/₂-2¹/₂



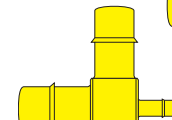
RT5¹/₂-3¹/₂-5¹/₂



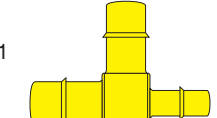
RT5¹/₂-4-3



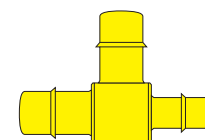
RT5¹/₂-4-4



RT5¹/₂-5-1

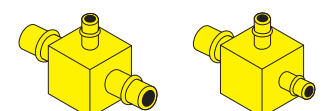


RT5¹/₂-5-3



RT5¹/₂-5¹/₂-3¹/₂

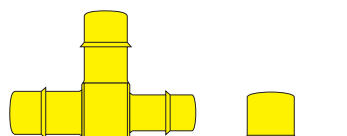
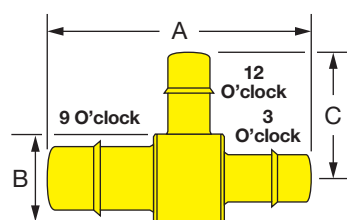
NEW: Square Body Reducing Tees! See page 510!



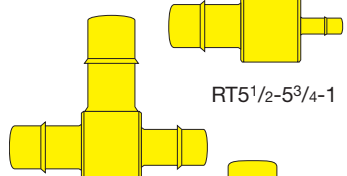
Continued on next page



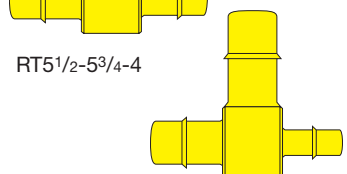
Reducing Tees



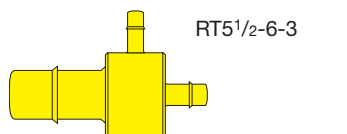
RT5 1/2-5 1/2-4



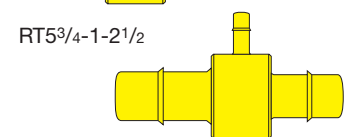
RT5 1/2-5 3/4-1



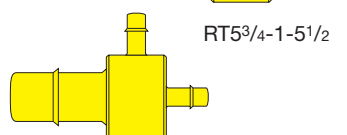
RT5 1/2-5 3/4-4



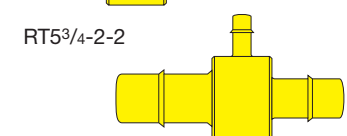
RT5 1/2-6-3



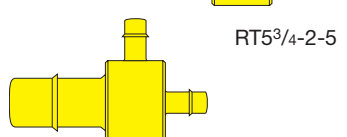
RT5 3/4-1-2 1/2



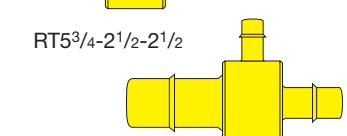
RT5 3/4-1-5 1/2



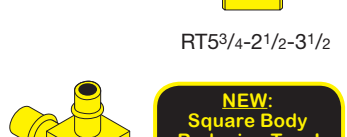
RT5 3/4-2-2



RT5 3/4-2-5



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



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

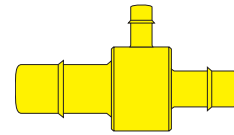
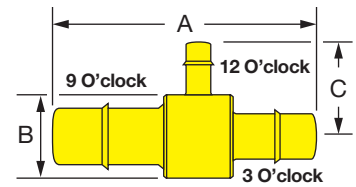
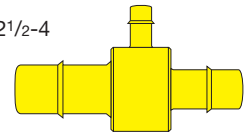
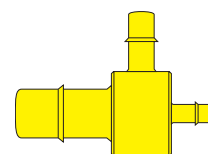
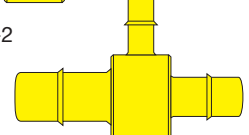
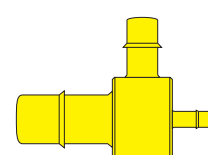
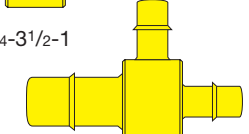
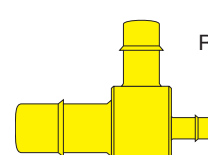
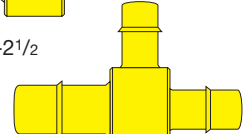
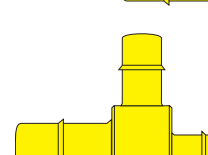
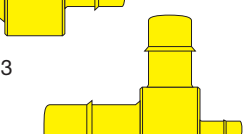


NEW:
Square Body
Reducing Tees!
See page 510!

Continued on next page

Tube ID			Part Numbers				Dimensions (Reference)		
9 O'clock	12 O'clock	3 O'clock	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
7/32	7/32	.170	RT5 1/2-5 1/2-4	RT5 1/2-5 1/2-4-SS	RT5 1/2-5 1/2-4-316SS	RT5 1/2-5 1/2-4-NP	27/32	3/8	9/16
7/32	7/32	3/16	RT5 1/2-5 1/2-5	RT5 1/2-5 1/2-5-SS	RT5 1/2-5 1/2-5-316SS	RT5 1/2-5 1/2-5-NP	1.00	3/8	9/16
7/32	6 mm	1/16	RT5 1/2-5 3/4-1	RT5 1/2-5 3/4-1-SS	RT5 1/2-5 3/4-1-316SS	RT5 1/2-5 3/4-1-NP	29/32	3/8	9/16
7/32	6 mm	5/64 / 2mm	RT5 1/2-5 3/4-2	RT5 1/2-5 3/4-2-SS	RT5 1/2-5 3/4-2-316SS	RT5 1/2-5 3/4-2-NP	29/32	3/8	11/16
7/32	6 mm	3/32	RT5 1/2-5 3/4-2 1/2	RT5 1/2-5 3/4-2 1/2-SS	RT5 1/2-5 3/4-2 1/2-316SS	RT5 1/2-5 3/4-2 1/2-NP	29/32	3/8	11/16
7/32	6 mm	1/8	RT5 1/2-5 3/4-3	RT5 1/2-5 3/4-3-SS	RT5 1/2-5 3/4-3-316SS	RT5 1/2-5 3/4-3-NP	1.00	3/8	1/2
7/32	6 mm	5/32 / 4mm	RT5 1/2-5 3/4-3 1/2	RT5 1/2-5 3/4-3 1/2-SS	RT5 1/2-5 3/4-3 1/2-316SS	RT5 1/2-5 3/4-3 1/2-NP	1.00	3/8	11/16
7/32	6 mm	.170	RT5 1/2-5 3/4-4	RT5 1/2-5 3/4-4-SS	RT5 1/2-5 3/4-4-316SS	RT5 1/2-5 3/4-4-NP	1 1/32	3/8	11/16
7/32	6 mm	3/16	RT5 1/2-5 3/4-5	RT5 1/2-5 3/4-5-SS	RT5 1/2-5 3/4-5-316SS	RT5 1/2-5 3/4-5-NP	1 1/16	3/8	11/16
7/32	6 mm	7/32	RT5 1/2-5 3/4-5 1/2	RT5 1/2-5 3/4-5 1/2-SS	RT5 1/2-5 3/4-5 1/2-316SS	RT5 1/2-5 3/4-5 1/2-NP	1 1/16	3/8	11/16
7/32	1/4	1/16	RT5 1/2-6-1	RT5 1/2-6-1-SS	RT5 1/2-6-1-316SS	RT5 1/2-6-1-NP	29/32	3/8	7/16
7/32	1/4	5/64 / 2mm	RT5 1/2-6-2	RT5 1/2-6-2-SS	RT5 1/2-6-2-316SS	RT5 1/2-6-2-NP	29/32	3/8	7/16
7/32	1/4	3/32	RT5 1/2-6-2 1/2	RT5 1/2-6-2 1/2-SS	RT5 1/2-6-2 1/2-316SS	RT5 1/2-6-2 1/2-NP	29/32	3/8	7/16
7/32	1/4	1/8	RT5 1/2-6-3	RT5 1/2-6-3-SS	RT5 1/2-6-3-316SS	RT5 1/2-6-3-NP	1.00	3/8	17/32
7/32	1/4	5/32 / 4mm	RT5 1/2-6-3 1/2	RT5 1/2-6-3 1/2-SS	RT5 1/2-6-3 1/2-316SS	RT5 1/2-6-3 1/2-NP	1 1/16	3/8	17/32
7/32	1/4	.170	RT5 1/2-6-4	RT5 1/2-6-4-SS	RT5 1/2-6-4-316SS	RT5 1/2-6-4-NP	1 1/32	3/8	17/32
7/32	1/4	3/16	RT5 1/2-6-5	RT5 1/2-6-5-SS	RT5 1/2-6-5-316SS	RT5 1/2-6-5-NP	1 1/16	3/8	19/32
7/32	1/4	7/32	RT5 1/2-6-5 1/2	RT5 1/2-6-5 1/2-SS	RT5 1/2-6-5 1/2-316SS	RT5 1/2-6-5 1/2-NP	1 1/16	7/16	19/32
6mm	1/16	1/16	RT5 3/4-1-1	RT5 3/4-1-1-SS	RT5 3/4-1-1-316SS	RT5 3/4-1-1-NP	1 1/32	3/8	23/32
6mm	1/16	5/64 / 2mm	RT5 3/4-1-2	RT5 3/4-1-2-SS	RT5 3/4-1-2-316SS	RT5 3/4-1-2-NP	1 1/32	3/8	23/32
6mm	1/16	3/32	RT5 3/4-1-2 1/2	RT5 3/4-1-2 1/2-SS	RT5 3/4-1-2 1/2-316SS	RT5 3/4-1-2 1/2-NP	1 1/32	3/8	23/32
6mm	1/16	1/8	RT5 3/4-1-3	RT5 3/4-1-3-SS	RT5 3/4-1-3-316SS	RT5 3/4-1-3-NP	1 1/8	3/8	23/32
6mm	1/16	5/32 / 4mm	RT5 3/4-1-3 1/2	RT5 3/4-1-3 1/2-SS	RT5 3/4-1-3 1/2-316SS	RT5 3/4-1-3 1/2-NP	1 1/8	7/16	23/32
6mm	1/16	.170	RT5 3/4-1-4	RT5 3/4-1-4-SS	RT5 3/4-1-4-316SS	RT5 3/4-1-4-NP	1 5/32	7/16	23/32
6mm	1/16	3/16	RT5 3/4-1-5	RT5 3/4-1-5-SS	RT5 3/4-1-5-316SS	RT5 3/4-1-5-NP	1 3/16	7/16	23/32
6mm	1/16	7/32	RT5 3/4-1-5 1/2	RT5 3/4-1-5 1/2-SS	RT5 3/4-1-5 1/2-316SS	RT5 3/4-1-5 1/2-NP	1 3/16	7/16	23/32
6mm	1/16	6mm	RT5 3/4-1-5 3/4	RT5 3/4-1-5 3/4-SS	RT5 3/4-1-5 3/4-316SS	RT5 3/4-1-5 3/4-NP	1 5/16	7/16	23/32
6mm	5/64 / 2mm	1/16	RT5 3/4-2-1	RT5 3/4-2-1-SS	RT5 3/4-2-1-316SS	RT5 3/4-2-1-NP	1 1/32	7/16	23/32
6mm	5/64 / 2mm	5/64 / 2mm	RT5 3/4-2-2	RT5 3/4-2-2-SS	RT5 3/4-2-2-316SS	RT5 3/4-2-2-NP	1 1/32	7/16	23/32
6mm	5/64 / 2mm	3/32	RT5 3/4-2-2 1/2	RT5 3/4-2-2 1/2-SS	RT5 3/4-2-2 1/2-316SS	RT5 3/4-2-2 1/2-NP	1 1/32	7/16	23/32
6mm	5/64 / 2mm	1/8	RT5 3/4-2-3	RT5 3/4-2-3-SS	RT5 3/4-2-3-316SS	RT5 3/4-2-3-NP	1 1/8	7/16	23/32
6mm	5/64 / 2mm	5/32 / 4mm	RT5 3/4-2-3 1/2	RT5 3/4-2-3 1/2-SS	RT5 3/4-2-3 1/2-316SS	RT5 3/4-2-3 1/2-NP	1 1/8	7/16	23/32
6mm	5/64 / 2mm	.170	RT5 3/4-2-4	RT5 3/4-2-4-SS	RT5 3/4-2-4-316SS	RT5 3/4-2-4-NP	1 5/32	7/16	23/32
6mm	5/64 / 2mm	3/16	RT5 3/4-2-5	RT5 3/4-2-5-SS	RT5 3/4-2-5-316SS	RT5 3/4-2-5-NP	1 3/16	7/16	23/32
6mm	5/64 / 2mm	7/32	RT5 3/4-2-5 1/2	RT5 3/4-2-5 1/2-SS	RT5 3/4-2-5 1/2-316SS	RT5 3/4-2-5 1/2-NP	1 3/16	7/16	23/32
6mm	5/64 / 2mm	6mm	RT5 3/4-2-5 3/4	RT5 3/4-2-5 3/4-SS	RT5 3/4-2-5 3/4-316SS	RT5 3/4-2-5 3/4-NP	1 5/16	7/16	23/32
6mm	3/32	1/16	RT5 3/4-2 1/2-1	RT5 3/4-2 1/2-1-SS	RT5 3/4-2 1/2-1-316SS	RT5 3/4-2 1/2-1-NP	1 1/32	7/16	23/32
6mm	3/32	5/64 / 2mm	RT5 3/4-2 1/2-2	RT5 3/4-2 1/2-2-SS	RT5 3/4-2 1/2-2-316SS	RT5 3/4-2 1/2-2-NP	1 1/32	7/16	23/32
6mm	3/32	3/32	RT5 3/4-2 1/2-2 1/2	RT5 3/4-2 1/2-2 1/2-SS	RT5 3/4-2 1/2-2 1/2-316SS	RT5 3/4-2 1/2-2 1/2-NP	1 1/32	7/16	23/32
6mm	3/32	1/8	RT5 3/4-2 1/2-3	RT5 3/4-2 1/2-3-SS	RT5 3/4-2 1/2-3-316SS	RT5 3/4-2 1/2-3-NP	1 1/8	7/16	23/32
6mm	3/32	5/32 / 4mm	RT5 3/4-2 1/2-3 1/2	RT5 3/4-2 1/2-3 1/2-SS	RT5 3/4-2 1/2-3 1/2-316SS	RT5 3/4-2 1/2-3 1/2-NP	1 1/8	7/16	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 Dia.	C Ref.
6mm	3/32	.170	RT5 ³ /4-2 1/2-4	RT5 ³ /4-2 1/2-4-SS	RT5 ³ /4-2 1/2-4-316SS	RT5 ³ /4-2 1/2-4-NP	1 5/32	7/16	2 3/32
6mm	3/32	3/16	RT5 ³ /4-2 1/2-5	RT5 ³ /4-2 1/2-5-SS	RT5 ³ /4-2 1/2-5-316SS	RT5 ³ /4-2 1/2-5-NP	1 3/16	7/16	2 3/32
6mm	3/32	7/32	RT5 ³ /4-2 1/2-5 1/2	RT5 ³ /4-2 1/2-5 1/2-SS	RT5 ³ /4-2 1/2-5 1/2-316SS	RT5 ³ /4-2 1/2-5 1/2-NP	1 3/16	7/16	2 3/32
6mm	3/32	6mm	RT5 ³ /4-2 1/2-5 3/4	RT5 ³ /4-2 1/2-5 3/4-SS	RT5 ³ /4-2 1/2-5 3/4-316SS	RT5 ³ /4-2 1/2-5 3/4-NP	1 5/16	7/16	2 3/32
6mm	1/8	1/16	RT5 ³ /4-3-1	RT5 ³ /4-3-1-SS	RT5 ³ /4-3-1-316SS	RT5 ³ /4-3-1-NP	1 1/32	7/16	2 3/32
6mm	1/8	5/64 / 2mm	RT5 ³ /4-3-2	RT5 ³ /4-3-2-SS	RT5 ³ /4-3-2-316SS	RT5 ³ /4-3-2-NP	1 1/32	7/16	2 3/32
6mm	1/8	3/32	RT5 ³ /4-3-2 1/2	RT5 ³ /4-3-2 1/2-SS	RT5 ³ /4-3-2 1/2-316SS	RT5 ³ /4-3-2 1/2-NP	1 1/32	7/16	2 3/32
6mm	1/8	1/8	RT5 ³ /4-3-3	RT5 ³ /4-3-3-SS	RT5 ³ /4-3-3-316SS	RT5 ³ /4-3-3-NP	1 1/8	7/16	2 3/32
6mm	1/8	5/32 / 4mm	RT5 ³ /4-3-3 1/2	RT5 ³ /4-3-3 1/2-SS	RT5 ³ /4-3-3 1/2-316SS	RT5 ³ /4-3-3 1/2-NP	1 1/8	7/16	2 3/32
6mm	1/8	.170	RT5 ³ /4-3-4	RT5 ³ /4-3-4-SS	RT5 ³ /4-3-4-316SS	RT5 ³ /4-3-4-NP	1 5/32	7/16	2 3/32
6mm	1/8	3/16	RT5 ³ /4-3-5	RT5 ³ /4-3-5-SS	RT5 ³ /4-3-5-316SS	RT5 ³ /4-3-5-NP	1 3/16	7/16	2 3/32
6mm	1/8	7/32	RT5 ³ /4-3-5 1/2	RT5 ³ /4-3-5 1/2-SS	RT5 ³ /4-3-5 1/2-316SS	RT5 ³ /4-3-5 1/2-NP	1 3/16	7/16	2 3/32
6mm	1/8	6mm	RT5 ³ /4-3-5 3/4	RT5 ³ /4-3-5 3/4-SS	RT5 ³ /4-3-5 3/4-316SS	RT5 ³ /4-3-5 3/4-NP	1 5/16	7/16	2 3/32
6mm	5/32 / 4mm	1/16	RT5 ³ /4-3 1/2-1	RT5 ³ /4-3 1/2-1-SS	RT5 ³ /4-3 1/2-1-316SS	RT5 ³ /4-3 1/2-1-NP	1 1/32	7/16	2 3/32
6mm	5/32 / 4mm	5/64 / 2mm	RT5 ³ /4-3 1/2-2	RT5 ³ /4-3 1/2-2-SS	RT5 ³ /4-3 1/2-2-316SS	RT5 ³ /4-3 1/2-2-NP	1 1/32	7/16	2 3/32
6mm	5/32 / 4mm	3/32	RT5 ³ /4-3 1/2-2 1/2	RT5 ³ /4-3 1/2-2 1/2-SS	RT5 ³ /4-3 1/2-2 1/2-316SS	RT5 ³ /4-3 1/2-2 1/2-NP	1 1/32	7/16	2 3/32
6mm	5/32 / 4mm	1/8	RT5 ³ /4-3 1/2-3	RT5 ³ /4-3 1/2-3-SS	RT5 ³ /4-3 1/2-3-316SS	RT5 ³ /4-3 1/2-3-NP	1 1/8	7/16	2 3/32
6mm	5/32 / 4mm	5/32 / 4mm	RT5 ³ /4-3 1/2-3 1/2	RT5 ³ /4-3 1/2-3 1/2-SS	RT5 ³ /4-3 1/2-3 1/2-316SS	RT5 ³ /4-3 1/2-3 1/2-NP	1 1/8	7/16	2 3/32
6mm	5/32 / 4mm	.170	RT5 ³ /4-3 1/2-4	RT5 ³ /4-3 1/2-4-SS	RT5 ³ /4-3 1/2-4-316SS	RT5 ³ /4-3 1/2-4-NP	1 5/32	7/16	2 3/32
6mm	5/32 / 4mm	3/16	RT5 ³ /4-3 1/2-5	RT5 ³ /4-3 1/2-5-SS	RT5 ³ /4-3 1/2-5-316SS	RT5 ³ /4-3 1/2-5-NP	1 3/16	7/16	2 3/32
6mm	5/32 / 4mm	7/32	RT5 ³ /4-3 1/2-5 1/2	RT5 ³ /4-3 1/2-5 1/2-SS	RT5 ³ /4-3 1/2-5 1/2-316SS	RT5 ³ /4-3 1/2-5 1/2-NP	1 3/16	7/16	2 3/32
6mm	5/32 / 4mm	6mm	RT5 ³ /4-3 1/2-5 3/4	RT5 ³ /4-3 1/2-5 3/4-SS	RT5 ³ /4-3 1/2-5 3/4-316SS	RT5 ³ /4-3 1/2-5 3/4-NP	1 5/16	7/16	2 3/32
6mm	.170	1/16	RT5 ³ /4-4-1	RT5 ³ /4-4-1-SS	RT5 ³ /4-4-1-316SS	RT5 ³ /4-4-1-NP	1 1/32	7/16	2 3/32
6mm	.170	5/64 / 2mm	RT5 ³ /4-4-2	RT5 ³ /4-4-2-SS	RT5 ³ /4-4-2-316SS	RT5 ³ /4-4-2-NP	1 1/32	7/16	2 3/32
6mm	.170	3/32	RT5 ³ /4-4-2 1/2	RT5 ³ /4-4-2 1/2-SS	RT5 ³ /4-4-2 1/2-316SS	RT5 ³ /4-4-2 1/2-NP	1 1/32	7/16	2 3/32
6mm	.170	1/8	RT5 ³ /4-4-3	RT5 ³ /4-4-3-SS	RT5 ³ /4-4-3-316SS	RT5 ³ /4-4-3-NP	1 1/8	7/16	2 3/32
6mm	.170	5/32 / 4mm	RT5 ³ /4-4-3 1/2	RT5 ³ /4-4-3 1/2-SS	RT5 ³ /4-4-3 1/2-316SS	RT5 ³ /4-4-3 1/2-NP	1 1/8	7/16	2 3/32
6mm	.170	.170	RT5 ³ /4-4-4	RT5 ³ /4-4-4-SS	RT5 ³ /4-4-4-316SS	RT5 ³ /4-4-4-NP	1 5/32	7/16	2 3/32
6mm	.170	3/16	RT5 ³ /4-4-5	RT5 ³ /4-4-5-SS	RT5 ³ /4-4-5-316SS	RT5 ³ /4-4-5-NP	1 3/16	7/16	2 3/32
6mm	.170	7/32	RT5 ³ /4-4-5 1/2	RT5 ³ /4-4-5 1/2-SS	RT5 ³ /4-4-5 1/2-316SS	RT5 ³ /4-4-5 1/2-NP	1 3/16	7/16	2 3/32
6mm	.170	6mm	RT5 ³ /4-4-5 3/4	RT5 ³ /4-4-5 3/4-SS	RT5 ³ /4-4-5 3/4-316SS	RT5 ³ /4-4-5 3/4-NP	1 5/16	7/16	2 3/32
6mm	3/16	1/16	RT5 ³ /4-5-1	RT5 ³ /4-5-1-SS	RT5 ³ /4-5-1-316SS	RT5 ³ /4-5-1-NP	1 1/32	7/16	2 3/32
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	2 3/32
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	2 3/32
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	2 3/32
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	2 3/32
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	2 3/32
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	2 3/32
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	2 3/32
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	2 3/32
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	2 3/32

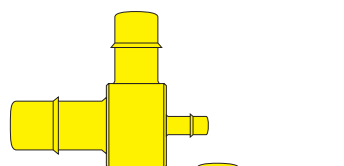
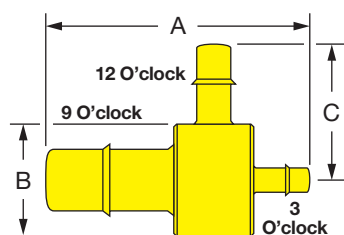

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RT5³/4-2 1/2-5

RT5³/4-3-2

RT5³/4-3-5

RT5³/4-3 1/2-1

RT5³/4-3 1/2-3 1/2

RT5³/4-4-2 1/2

RT5³/4-4-5

RT5³/4-5-3

RT5³/4-5 1/2-1

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

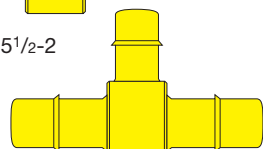
Continued on next page



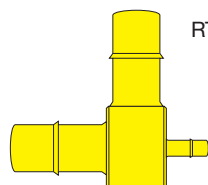
Reducing Tees



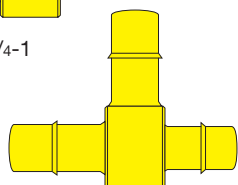
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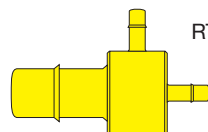
RT5³/₄-5¹/₂-5³/₄



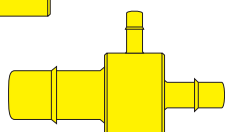
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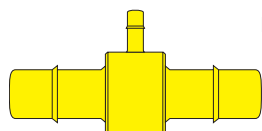
RT5³/₄-5³/₄-5¹/₂



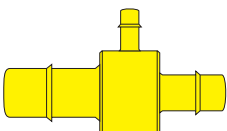
RT6-1-1



RT6-1-3

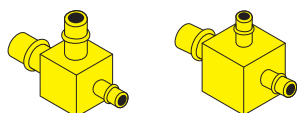


RT6-1-3



RT6-2-4

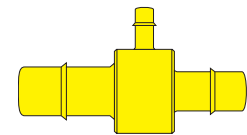
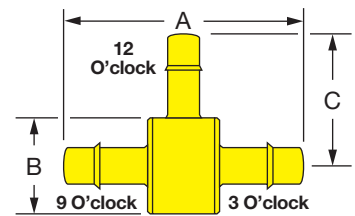
NEW: Square Body Reducing Tees! See page 510!



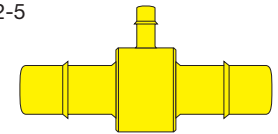
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Tube ID			Part Numbers				Dimensions (Reference)		
9 O'clock	12 O'clock	3 O'clock	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
6mm	7/32	5/64 / 2mm	RT5³/₄-5¹/₂-2	RT5³/₄-5¹/₂-2-SS	RT5³/₄-5¹/₂-2-316SS	RT5³/₄-5¹/₂-2-NP	1 1/32	7/16	23/32
6mm	7/32	3/32	RT5³/₄-5¹/₂-2¹/₂	RT5³/₄-5¹/₂-2¹/₂-SS	RT5³/₄-5¹/₂-2¹/₂-316SS	RT5³/₄-5¹/₂-2¹/₂-NP	1 1/32	7/16	23/32
6mm	7/32	1/8	RT5³/₄-5¹/₂-3	RT5³/₄-5¹/₂-3-SS	RT5³/₄-5¹/₂-3-316SS	RT5³/₄-5¹/₂-3-NP	1 1/8	7/16	23/32
6mm	7/32	5/32 / 4mm	RT5³/₄-5¹/₂-3¹/₂	RT5³/₄-5¹/₂-3¹/₂-SS	RT5³/₄-5¹/₂-3¹/₂-316SS	RT5³/₄-5¹/₂-3¹/₂-NP	1 1/8	7/16	23/32
6mm	7/32	.170	RT5³/₄-5¹/₂-4	RT5³/₄-5¹/₂-4-SS	RT5³/₄-5¹/₂-4-316SS	RT5³/₄-5¹/₂-4-NP	1 5/32	7/16	23/32
6mm	7/32	3/16	RT5³/₄-5¹/₂-5	RT5³/₄-5¹/₂-5-SS	RT5³/₄-5¹/₂-5-316SS	RT5³/₄-5¹/₂-5-NP	1 3/16	7/16	23/32
6mm	7/32	7/32	RT5³/₄-5¹/₂-5¹/₂	RT5³/₄-5¹/₂-5¹/₂-SS	RT5³/₄-5¹/₂-5¹/₂-316SS	RT5³/₄-5¹/₂-5¹/₂-NP	1 3/16	7/16	23/32
6mm	7/32	6mm	RT5³/₄-5¹/₂-5³/₄	RT5³/₄-5¹/₂-5³/₄-SS	RT5³/₄-5¹/₂-5³/₄-316SS	RT5³/₄-5¹/₂-5³/₄-NP	1 5/16	7/16	23/32
6mm	6mm	1/16	RT5³/₄-5³/₄-1	RT5³/₄-5³/₄-1-SS	RT5³/₄-5³/₄-1-316SS	RT5³/₄-5³/₄-1-NP	1 1/32	7/16	23/32
6mm	6mm	5/64 / 2mm	RT5³/₄-5³/₄-2	RT5³/₄-5³/₄-2-SS	RT5³/₄-5³/₄-2-316SS	RT5³/₄-5³/₄-2-NP	1 1/32	7/16	23/32
6mm	6mm	3/32	RT5³/₄-5³/₄-2¹/₂	RT5³/₄-5³/₄-2¹/₂-SS	RT5³/₄-5³/₄-2¹/₂-316SS	RT5³/₄-5³/₄-2¹/₂-NP	1 1/32	7/16	23/32
6mm	6mm	1/8	RT5³/₄-5³/₄-3	RT5³/₄-5³/₄-3-SS	RT5³/₄-5³/₄-3-316SS	RT5³/₄-5³/₄-3-NP	1 1/8	7/16	23/32
6mm	6mm	5/32 / 4mm	RT5³/₄-5³/₄-3¹/₂	RT5³/₄-5³/₄-3¹/₂-SS	RT5³/₄-5³/₄-3¹/₂-316SS	RT5³/₄-5³/₄-3¹/₂-NP	1 1/8	7/16	23/32
6mm	6mm	.170	RT5³/₄-5³/₄-4	RT5³/₄-5³/₄-4-SS	RT5³/₄-5³/₄-4-316SS	RT5³/₄-5³/₄-4-NP	1 5/32	7/16	23/32
6mm	6mm	3/16	RT5³/₄-5³/₄-5	RT5³/₄-5³/₄-5-SS	RT5³/₄-5³/₄-5-316SS	RT5³/₄-5³/₄-5-NP	1 3/16	7/16	23/32
6mm	6mm	7/32	RT5³/₄-5³/₄-5¹/₂	RT5³/₄-5³/₄-5¹/₂-SS	RT5³/₄-5³/₄-5¹/₂-316SS	RT5³/₄-5³/₄-5¹/₂-NP	1 3/16	7/16	23/32
6mm	1/4	1/16	RT5³/₄-6-1	RT5³/₄-6-1-SS	RT5³/₄-6-1-316SS	RT5³/₄-6-1-NP	1 3/32	7/16	23/32
6mm	1/4	5/64 / 2mm	RT5³/₄-6-2	RT5³/₄-6-2-SS	RT5³/₄-6-2-316SS	RT5³/₄-6-2-NP	1 3/32	7/16	23/32
6mm	1/4	3/32	RT5³/₄-6-2¹/₂	RT5³/₄-6-2¹/₂-SS	RT5³/₄-6-2¹/₂-316SS	RT5³/₄-6-2¹/₂-NP	1 3/32	7/16	23/32
6mm	1/4	1/8	RT5³/₄-6-3	RT5³/₄-6-3-SS	RT5³/₄-6-3-316SS	RT5³/₄-6-3-NP	1 3/16	7/16	23/32
6mm	1/4	5/32 / 4mm	RT5³/₄-6-3¹/₂	RT5³/₄-6-3¹/₂-SS	RT5³/₄-6-3¹/₂-316SS	RT5³/₄-6-3¹/₂-NP	1 3/16	7/16	23/32
6mm	1/4	.170	RT5³/₄-6-4	RT5³/₄-6-4-SS	RT5³/₄-6-4-316SS	RT5³/₄-6-4-NP	1 5/32	7/16	23/32
6mm	1/4	3/16	RT5³/₄-6-5	RT5³/₄-6-5-SS	RT5³/₄-6-5-316SS	RT5³/₄-6-5-NP	1 1/4	7/16	23/32
6mm	1/4	7/32	RT5³/₄-6-5¹/₂	RT5³/₄-6-5¹/₂-SS	RT5³/₄-6-5¹/₂-316SS	RT5³/₄-6-5¹/₂-NP	1 1/4	7/16	23/32
6mm	1/4	6mm	RT5³/₄-6-5³/₄	RT5³/₄-6-5³/₄-SS	RT5³/₄-6-5³/₄-316SS	RT5³/₄-6-5³/₄-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	RT6-1-2¹/₂	RT6-1-2¹/₂-SS	RT6-1-2¹/₂-316SS	RT6-1-2¹/₂-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	RT6-1-3¹/₂	RT6-1-3¹/₂-SS	RT6-1-3¹/₂-316SS	RT6-1-3¹/₂-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
1/4	1/16	3/16	RT6-1-5	RT6-1-5-SS	RT6-1-5-316SS	RT6-1-5-NP	1 3/16	7/16	23/32
1/4	1/16	7/32	RT6-1-5¹/₂	RT6-1-5¹/₂-SS	RT6-1-5¹/₂-316SS	RT6-1-5¹/₂-NP	1 3/16	7/16	23/32
1/4	1/16	6mm	RT6-1-5³/₄	RT6-1-5³/₄-SS	RT6-1-5³/₄-316SS	RT6-1-5³/₄-NP	1 5/16	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	RT6-2-2¹/₂	RT6-2-2¹/₂-SS	RT6-2-2¹/₂-316SS	RT6-2-2¹/₂-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	RT6-2-3¹/₂	RT6-2-3¹/₂-SS	RT6-2-3¹/₂-316SS	RT6-2-3¹/₂-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

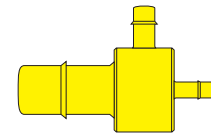
Tube ID			Part Numbers				Dimensions (Reference)		
9 O'clock	12 O'clock	3 O'clock	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
1/4	5/64 / 2mm	3/16	RT6-2-5	RT6-2-5-SS	RT6-2-5-316SS	RT6-2-5-NP	1 3/16	7/16	2 3/32
1/4	5/64 / 2mm	7/32	RT6-2-5 1/2	RT6-2-5 1/2-SS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



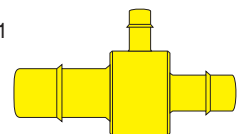
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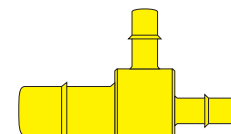
RT6-2-6



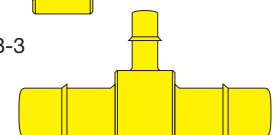
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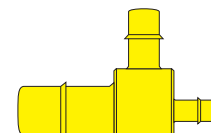
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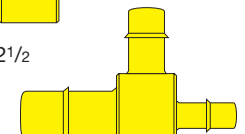
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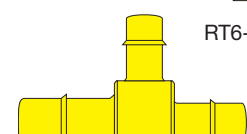
RT6-3-6



RT6-3 1/2-2 1/2



RT6-4-3



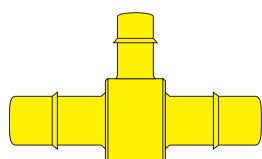
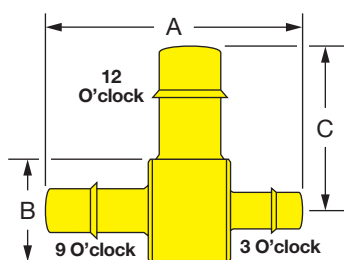
RT6-4-5

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

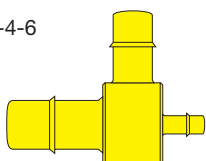


Reducing Tees

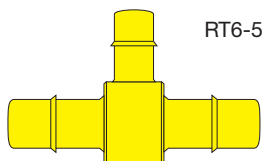
30



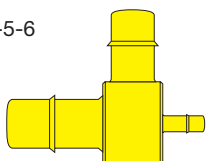
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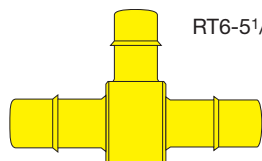
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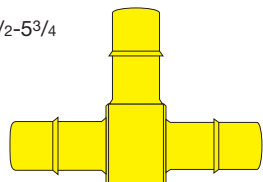
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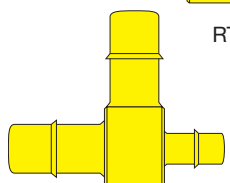
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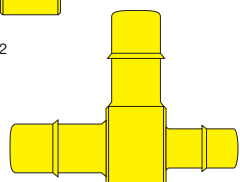
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RT6-5 3/4-5 3/4



RT6-6-3 1/2



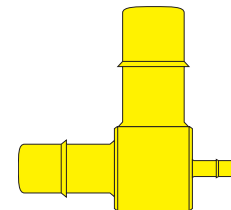
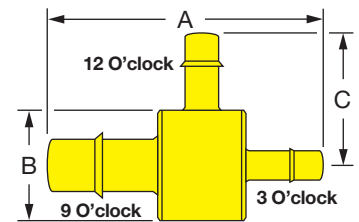
RT6-6-5

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

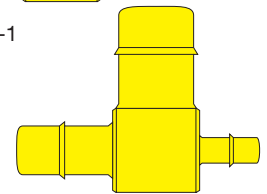
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Tube ID			Part Numbers				Dimensions (Reference)		
9 O'clock	12 O'clock	3 O'clock	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
1/4	.170	7/32	RT6-4-5 1/2	RT6-4-5 1/2-SS	RT6-4-5 1/2-316SS	RT6-4-5 1/2-NP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

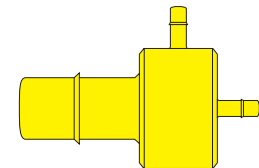
Tube ID			Part Numbers				Dimensions (Reference)		
9 O'clock	12 O'clock	3 O'clock	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
1/4	1/4	6mm	RT6-6-53/4	RT6-6-53/4-SS	RT6-6-53/4-316SS	RT6-6-53/4-NP	15/16	7/16	23/32
1/4	5/16	1/16	RT6-7-1	RT6-7-1-SS	RT6-7-1-316SS	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	1 7/32	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	1 7/32	7/16	23/32
1/4	5/16	.170	RT6-7-4	RT6-7-4-SS	RT6-7-4-316SS	RT6-7-4-NP	1 9/32	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	1 13/32	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	1 13/32	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	1 17/32	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	1 17/32	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	1 11/64	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	1 11/64	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	1 11/64	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	1 17/64	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	1 17/64	7/16	23/32
1/4	3/8	.170	RT6-8-4	RT6-8-4-SS	RT6-8-4-316SS	RT6-8-4-NP	1 19/64	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	1 21/64	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	1 21/64	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	1 29/64	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	1 29/64	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	1 11/32	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	1 11/32	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	1 3/8	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	1 13/32	5/8	27/32
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



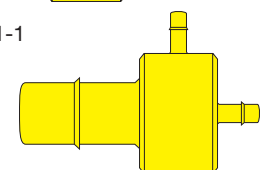
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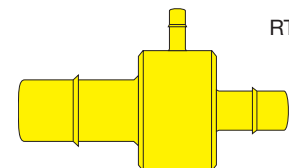
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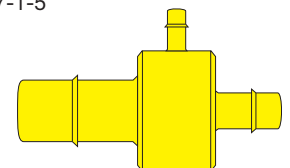
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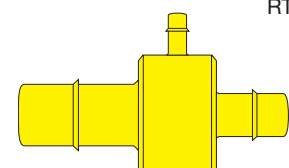
RT7-1-2



RT7-1-5



RT7-2-4



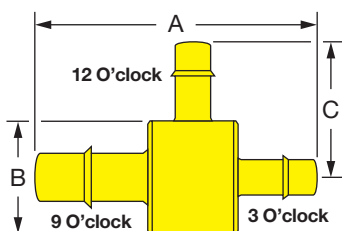
RT7-2-5 1/2

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

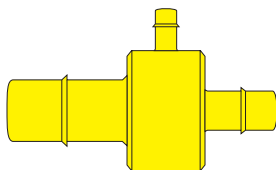
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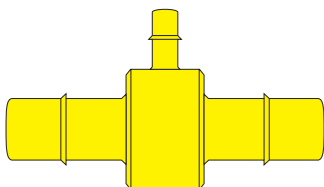
Reducing Tees



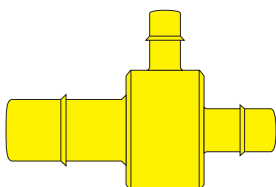
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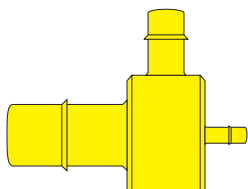
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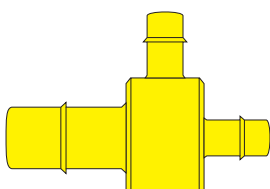
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RT7-3 1/2-5 1/2



RT7-4-1



RT7-4-4

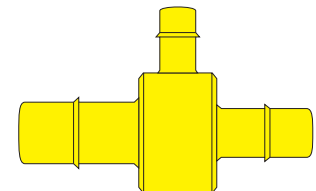
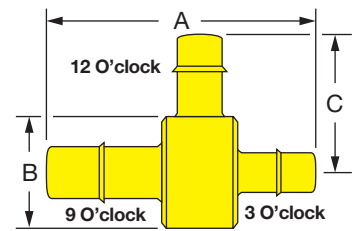
Note: Images are for visual representation only.
Dimensions may vary at the time of manufacturing.
Continued on next page

Tube ID			Part Numbers				Dimensions (Reference)		
9 O'clock	12 O'clock	3 O'clock	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
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
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

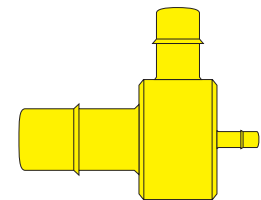
33

Reducing Tees

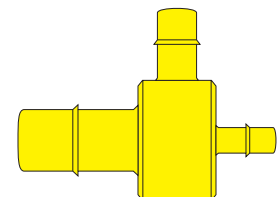
Tube ID			Part Numbers				Dimensions (Reference)		
9 O'clock	12 O'clock	3 O'clock	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
5/16 / 8mm	.170	3/16	RT7-4-5	RT7-4-5-SS	RT7-4-5-316SS	RT7-4-5-NP	1 13/32	5/8	5/8
5/16 / 8mm	.170	7/32	RT7-4-5 1/2	RT7-4-5 1/2-SS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



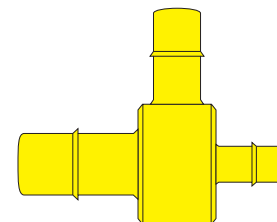
RT7-4-6



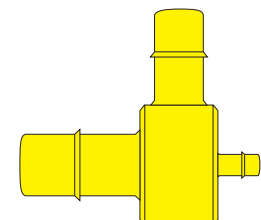
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RT7-5-3



RT7-5 3/4-4



RT7-6-2 1/2

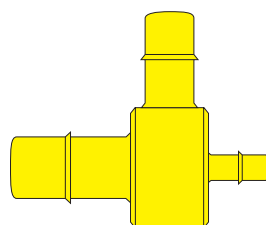
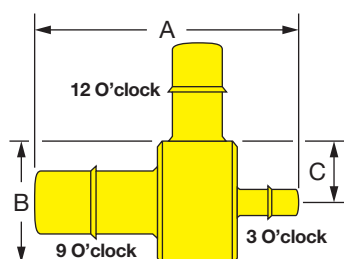
See page 510 for Square Body Tees!

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

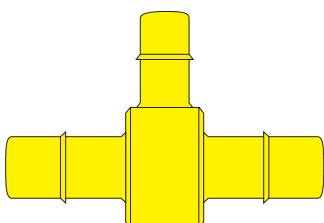
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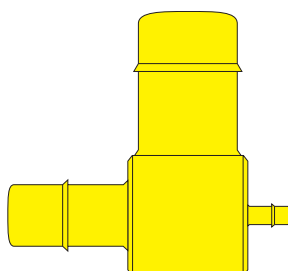
Reducing Tees



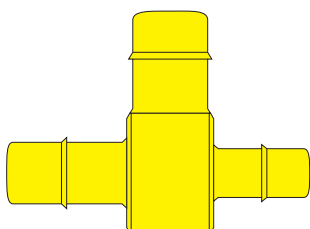
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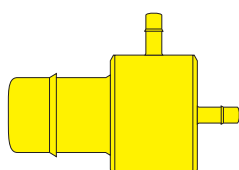
RT7-6-7



RT7-10-2



RT7-8-6



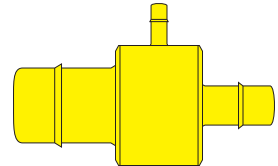
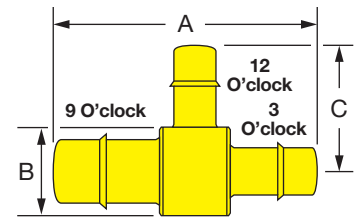
RT8-1-1

See page 510 for Square Body Tees!

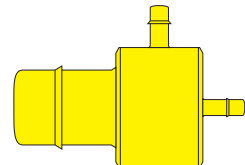
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Tube ID			Part Numbers				Dimensions (Reference)		
9 O'clock	12 O'clock	3 O'clock	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
5/16 / 8mm	1/4	1/8	RT7-6-3	RT7-6-3-SS	RT7-6-3-316SS	RT7-6-3-NP	1 11/32	5/8	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	3/8	1/16	RT7-8-1	RT7-8-1-SS	RT7-8-1-316SS	RT7-8-1-NP	Consult Factory Consult Factory Consult Factory Consult Factory 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
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		5/8	27/32
5/16 / 8mm	3/8	6mm	RT7-8-5 3/4	RT7-8-5 3/4-SS	RT7-8-5 3/4-316SS	RT7-8-5 3/4-NP		5/8	27/32
5/16 / 8mm	3/8	1/4	RT7-8-6	RT7-8-6-SS	RT7-8-6-316SS	RT7-8-6-NP		5/8	27/32
5/16 / 8mm	3/8	5/16 / 8mm	RT7-8-7	RT7-8-7-SS	RT7-8-7-316SS	RT7-8-7-NP	Consult Factory Consult Factory Consult Factory Consult Factory 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		5/8	
5/16 / 8mm	1/2	5/64 / 2mm	RT7-10-2	RT7-10-2-SS	RT7-10-2-316SS	RT7-10-2-NP		5/8	
5/16 / 8mm	1/2	3/32	RT7-10-2 1/2	RT7-10-2 1/2-SS	RT7-10-2 1/2-316SS	RT7-10-2 1/2-NP		5/8	
5/16 / 8mm	1/2	1/8	RT7-10-3	RT7-10-3-SS	RT7-10-3-316SS	RT7-10-3-NP		5/8	
5/16 / 8mm	1/2	5/32 / 4mm	RT7-10-3 1/2	RT7-10-3 1/2-SS	RT7-10-3 1/2-316SS	RT7-10-3 1/2-NP		5/8	
5/16 / 8mm	1/2	.170	RT7-10-4	RT7-10-4-SS	RT7-10-4-316SS	RT7-10-4-NP		5/8	
5/16 / 8mm	1/2	3/16	RT7-10-5	RT7-10-5-SS	RT7-10-5-316SS	RT7-10-5-NP		5/8	
5/16 / 8mm	1/2	7/32	RT7-10-5 1/2	RT7-10-5 1/2-SS	RT7-10-5 1/2-316SS	RT7-10-5 1/2-NP		5/8	
5/16 / 8mm	1/2	6mm	RT7-10-5 3/4	RT7-10-5 3/4-SS	RT7-10-5 3/4-316SS	RT7-10-5 3/4-NP		5/8	
5/16 / 8mm	1/2	1/4	RT7-10-6	RT7-10-6-SS	RT7-10-6-316SS	RT7-10-6-NP	Consult Factory Consult Factory	5/8	
5/16 / 8mm	1/2	5/16 / 8mm	RT7-10-7	RT7-10-7-SS	RT7-10-7-316SS	RT7-10-7-NP		3/4	
3/8	1/16	1/16	RT8-1-1	RT8-1-1-SS	RT8-1-1-316SS	RT8-1-1-NP	Consult Factory	9/16	Consult Factory

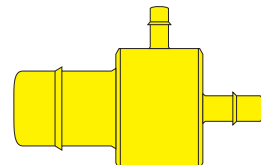
Tube ID			Part Numbers				Dimensions (Reference)		
9 O'clock	12 O'clock	3 O'clock	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
3/8	1/16	5/64 / 2mm	RT8-1-2	RT8-1-2-SS	RT8-1-2-316SS	RT8-1-2-NP	Consult Factory	7/16	Consult Factory
3/8	1/16	3/32	RT8-1-2 1/2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



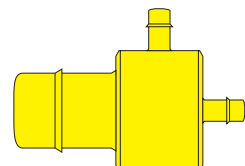
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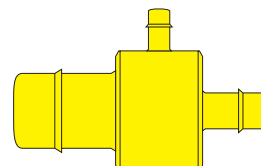
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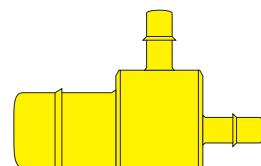
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RT8-2 1/2-2 1/2



RT8-2 1/2-4



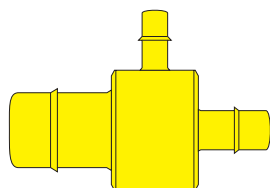
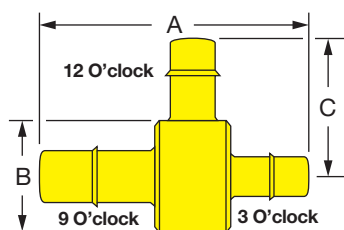
RT8-3-3

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

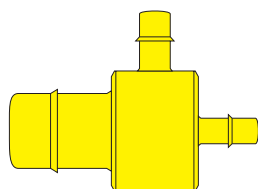
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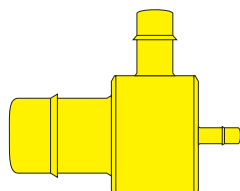
Reducing Tees



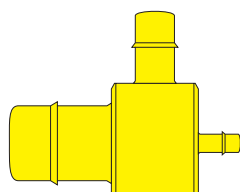
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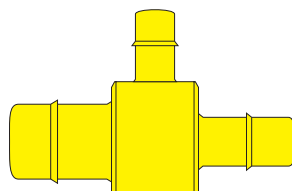
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RT8-4-1

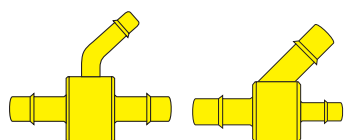


RT8-5-2



RT8-5-6

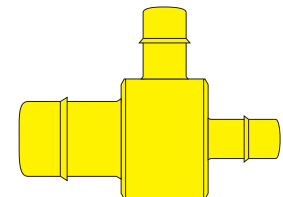
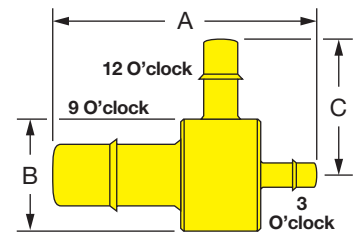
Other options available!
Consult factory for details!



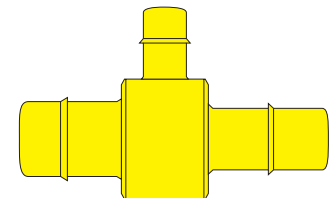
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Tube ID			Part Numbers				Dimensions (Reference)		
9 O'clock	12 O'clock	3 O'clock	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
3/8	1/8	3/16	RT8-3-5	RT8-3-5-SS	RT8-3-5-316SS	RT8-3-5-NP	Consult Factory	7/16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

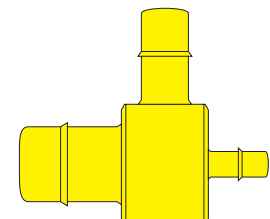
Tube ID			Part Numbers				Dimensions (Reference)		
9 O'clock	12 O'clock	3 O'clock	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
3/8	3/16	5/16 / 8mm	RT8-5-7	RT8-5-7-SS	RT8-5-7-316SS	RT8-5-7-NP	Consult Factory	7/16	Consult Factory
3/8	3/16	3/8	RT8-5-8	RT8-5-8-SS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



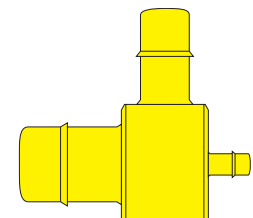
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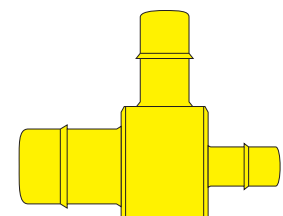
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RT8-5 3/4-3



RT8-6-2 1/2



RT8-6-5

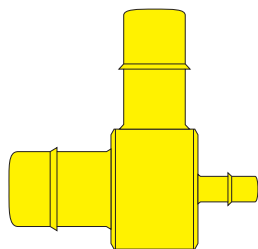
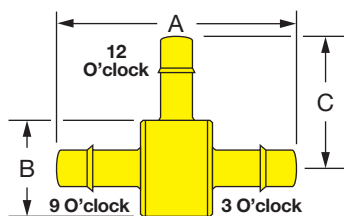
Other options available!
Consult factory for details!

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

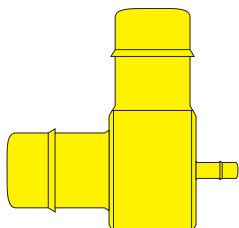
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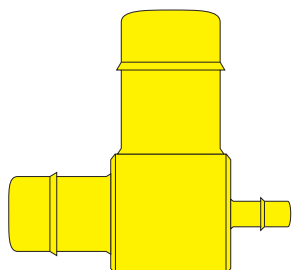
Reducing Tees



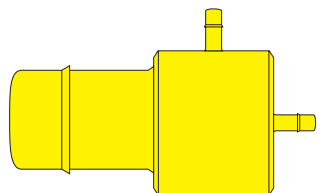
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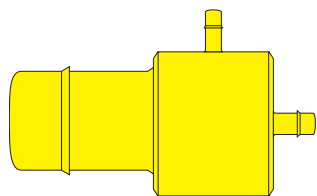
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RT8-10-3



RT10-1-1



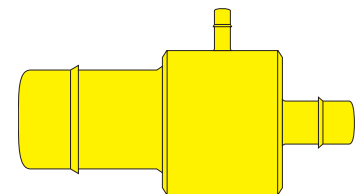
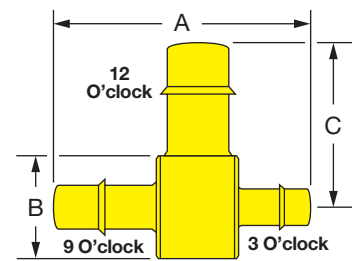
RT10-1-2 1/2

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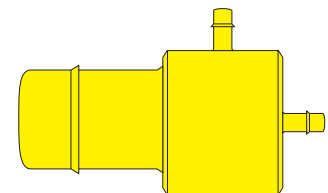
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Tube ID			Part Numbers				Dimensions (Reference)		
9 O'clock	12 O'clock	3 O'clock	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
3/8	5/16 / 8mm	3/32	RT8-7-2 1/2	RT8-7-2 1/2-SS	RT8-7-2 1/2-316SS	RT8-7-2 1/2-NP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

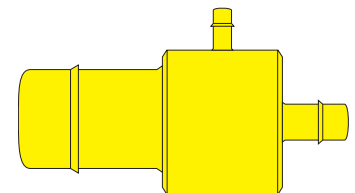
Tube ID			Part Numbers				Dimensions (Reference)		
9 O'clock	12 O'clock	3 O'clock	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
1/2	1/16	7/32	RT10-1-5 1/2	RT10-1-5 1/2-SS	RT10-1-5 1/2-316SS	RT10-1-5 1/2-NP	Consult Factory	3/4	Consult Factory
1/2	1/16	6mm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



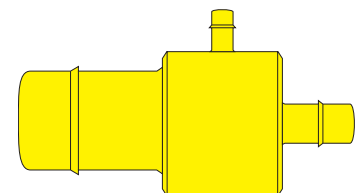
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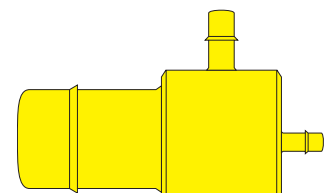
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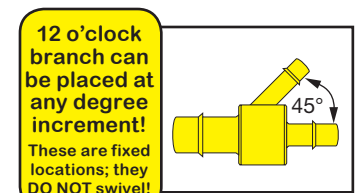
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RT10-2 1/2-5



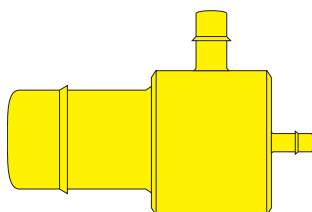
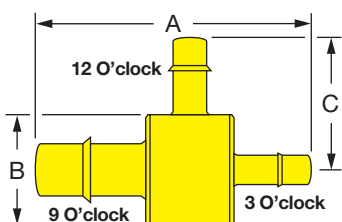
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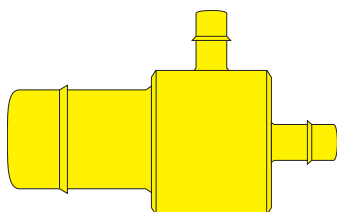
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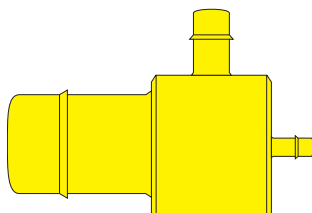
Reducing Tees



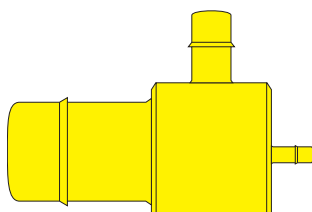
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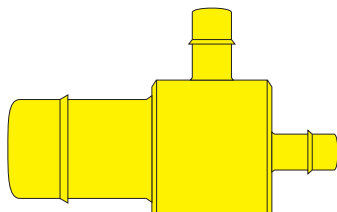
RT10-3 1/2-4



RT10-4-2



RT10-5-1



RT10-5-4

Other options available!
Consult factory for details!

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

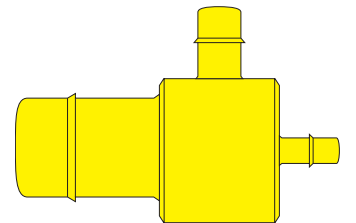
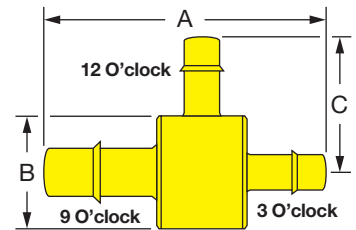
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Tube ID			Part Numbers				Dimensions (Reference)		
9 O'clock	12 O'clock	3 O'clock	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
1/2	1/8	6mm	RT10-3-5 3/4	RT10-3-5 3/4-SS	RT10-3-5 3/4-316SS	RT10-3-5 3/4-NP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

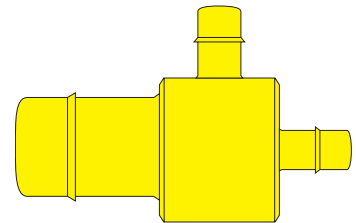
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Reducing Tees

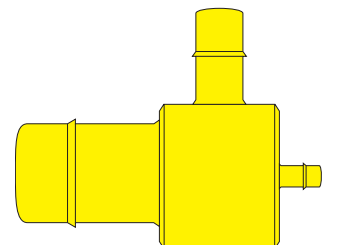
Tube ID			Part Numbers				Dimensions (Reference)		
9 O'clock	12 O'clock	3 O'clock	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
1/2	3/16	7/32	RT10-5-5 1/2	RT10-5-5 1/2-SS	RT10-5-5 1/2-316SS	RT10-5-5 1/2-NP	Consult Factory	3/4	Consult Factory
1/2	3/16	6mm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



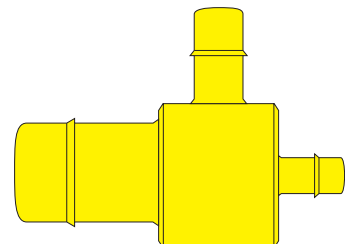
RT10-5 1/2-3



RT10-5 1/2-5

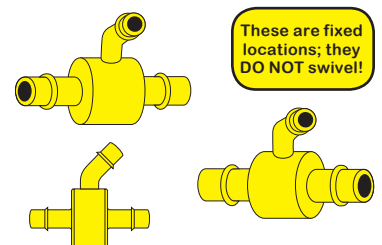


RT10-5 3/4-2 1/2



RT10-6-4

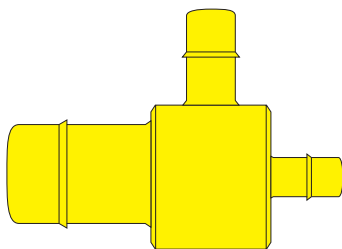
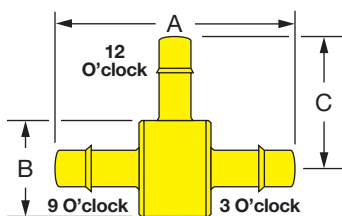
12 o'clock branch can be placed at any degree increment!



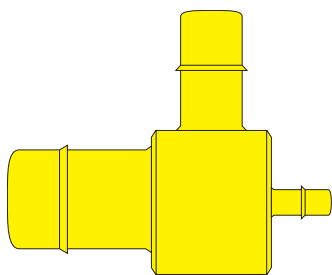
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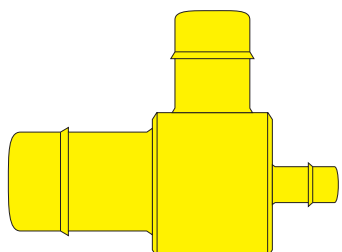
Reducing Tees



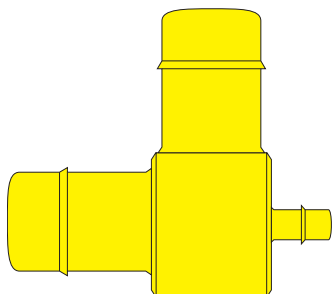
RT10-6-5



RT10-7-3

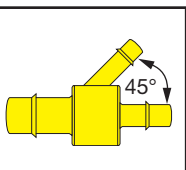


RT10-8-4



RT10-10-3 1/2

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



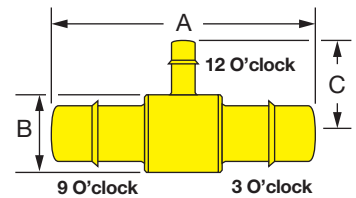
Continued on next page

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

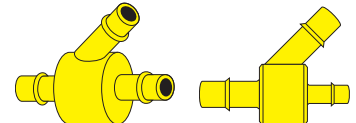
43

Reducing Tees

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



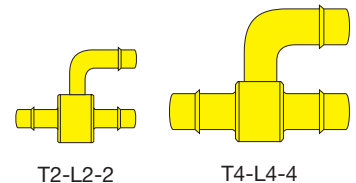
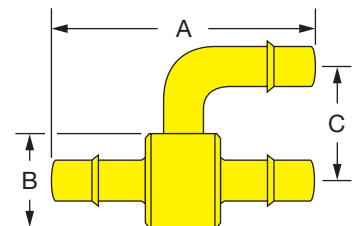
Other options available!
Consult factory for details!



44

Parallel Run L-Tees

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	27/32	5/16	7/16
3/16	T5-L5-5	T5-L5-5-SS	T5-L5-5-316SS	T5-L5-5-NP	15/16	5/16	5/8



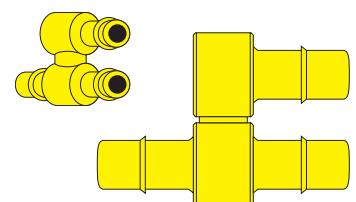
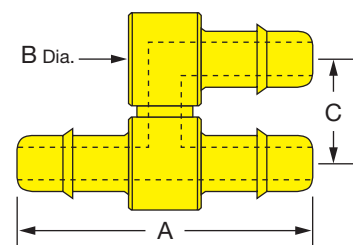
T2-L2-2

T4-L4-4

45

Fabricated Parallel Run L-Tees

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



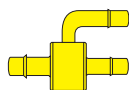
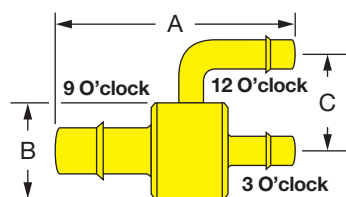
T6-L6-6-FAB

Also available: Fabricated Parallel Run Reducing L-Tees, Close Quarter U Fittings, Parallel Run Combinations, and In-Line Manifold Parallel Run Combinations! See pages 48 & 49 for details!

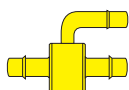
Fabricated Parallel Run L-Tees available with smaller branches!
Consult factory for details!



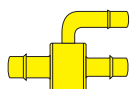
Parallel Run Reducing L-Tees



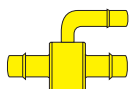
RT2-L1-1



RT2-L1-2



RT2 1/2-L1-2



RT2 1/2-L1-2 1/2



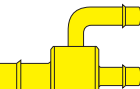
RT1-L3-1



RT2-L3-2

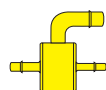


RT3-L1-3

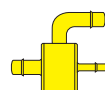


RT3-L2-2

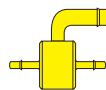
Smaller branch combinations available! Consult factory!



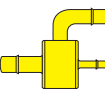
RT.040-L.050-.031



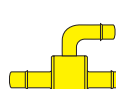
RT.050-L.050-.031



RT.031-L1-.031



RT1-L.050-.031

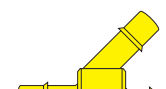
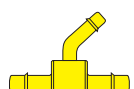


RT1-L.050-1



RT2-L3-.045

12 O'clock Branch can be placed at other angles!

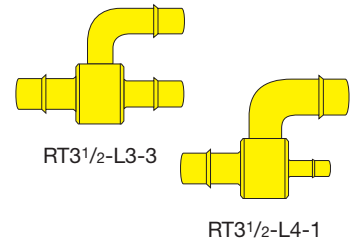
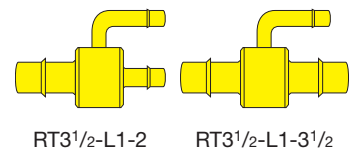
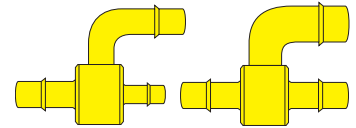
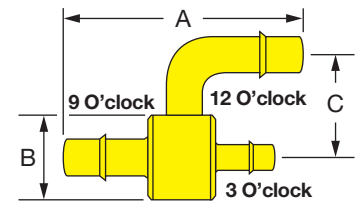


These are fixed locations; they do not swivel!

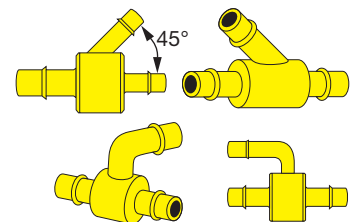
Continued on next page

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

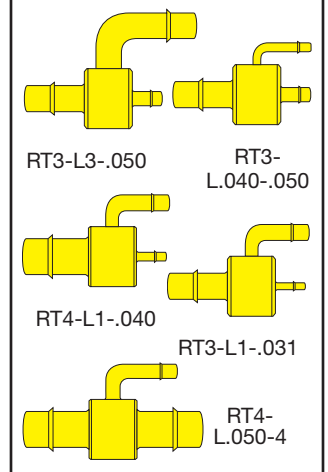
Tube ID			Part Numbers				Dimensions (Reference)		
9 O'clock	12 O'clock	3 O'clock	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
1/8	3/32	3/32	RT3-L2 1/2-2 1/2	RT3-L2 1/2-2 1/2-SS	RT3-L2 1/2-2 1/2-316SS	RT3-L2 1/2-2 1/2-NP	3/4	5/16	5/16
1/8	3/32	1/8	RT3-L2 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	5/16
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	5/16
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	5/16
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	5/16
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	5/16
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	5/16
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	5/16
1/8	.170	1/16	RT3-L4-1	RT3-L4-1-SS	RT3-L4-1-316SS	RT3-L4-1-NP	3/4	5/16	7/16
1/8	.170	5/64 / 2mm	RT3-L4-2	RT3-L4-2-SS	RT3-L4-2-316SS	RT3-L4-2-NP	Consult Factory	Consult Factory	Consult Factory
1/8	.170	3/32	RT3-L4-2 1/2	RT3-L4-2 1/2-SS	RT3-L4-2 1/2-316SS	RT3-L4-2 1/2-NP	Consult Factory	Consult Factory	Consult Factory
1/8	.170	1/8	RT3-L4-3	RT3-L4-3-SS	RT3-L4-3-316SS	RT3-L4-3-NP	Consult Factory	Consult Factory	Consult Factory
1/8	3/16	1/16	RT3-L5-1	RT3-L5-1-SS	RT3-L5-1-316SS	RT3-L5-1-NP	Consult Factory	Consult Factory	Consult Factory
1/8	3/16	5/64 / 2mm	RT3-L5-2	RT3-L5-2-SS	RT3-L5-2-316SS	RT3-L5-2-NP	Consult Factory	Consult Factory	Consult Factory
1/8	3/16	3/32	RT3-L5-2 1/2	RT3-L5-2 1/2-SS	RT3-L5-2 1/2-316SS	RT3-L5-2 1/2-NP	Consult Factory	Consult Factory	Consult Factory
1/8	3/16	1/8	RT3-L5-3	RT3-L5-3-SS	RT3-L5-3-316SS	RT3-L5-3-NP	Consult Factory	Consult Factory	Consult Factory
5/32 / 4mm	1/16	1/16	RT3 1/2-L1-1	RT3 1/2-L1-1-SS	RT3 1/2-L1-1-316SS	RT3 1/2-L1-1-NP	Consult Factory	Consult Factory	Consult Factory
5/32 / 4mm	1/16	5/64 / 2mm	RT3 1/2-L1-2	RT3 1/2-L1-2-SS	RT3 1/2-L1-2-316SS	RT3 1/2-L1-2-NP	Consult Factory	Consult Factory	Consult Factory
5/32 / 4mm	1/16	3/32	RT3 1/2-L1-2 1/2	RT3 1/2-L1-2 1/2-SS	RT3 1/2-L1-2 1/2-316SS	RT3 1/2-L1-2 1/2-NP	Consult Factory	Consult Factory	Consult Factory
5/32 / 4mm	1/16	1/8	RT3 1/2-L1-3	RT3 1/2-L1-3-SS	RT3 1/2-L1-3-316SS	RT3 1/2-L1-3-NP	Consult Factory	Consult Factory	Consult Factory
5/32 / 4mm	1/16	5/32 / 4mm	RT3 1/2-L1-3 1/2	RT3 1/2-L1-3 1/2-SS	RT3 1/2-L1-3 1/2-316SS	RT3 1/2-L1-3 1/2-NP	Consult Factory	Consult Factory	Consult Factory
5/32 / 4mm	5/64 / 2mm	1/16	RT3 1/2-L2-1	RT3 1/2-L2-1-SS	RT3 1/2-L2-1-316SS	RT3 1/2-L2-1-NP	Consult Factory	Consult Factory	Consult Factory
5/32 / 4mm	5/64 / 2mm	5/64 / 2mm	RT3 1/2-L2-2	RT3 1/2-L2-2-SS	RT3 1/2-L2-2-316SS	RT3 1/2-L2-2-NP	Consult Factory	Consult Factory	Consult Factory
5/32 / 4mm	5/64 / 2mm	3/32	RT3 1/2-L2-2 1/2	RT3 1/2-L2-2 1/2-SS	RT3 1/2-L2-2 1/2-316SS	RT3 1/2-L2-2 1/2-NP	Consult Factory	Consult Factory	Consult Factory
5/32 / 4mm	5/64 / 2mm	1/8	RT3 1/2-L2-3	RT3 1/2-L2-3-SS	RT3 1/2-L2-3-316SS	RT3 1/2-L2-3-NP	Consult Factory	Consult Factory	Consult Factory
5/32 / 4mm	5/64 / 2mm	5/32 / 4mm	RT3 1/2-L2-3 1/2	RT3 1/2-L2-3 1/2-SS	RT3 1/2-L2-3 1/2-316SS	RT3 1/2-L2-3 1/2-NP	Consult Factory	Consult Factory	Consult Factory
5/32 / 4mm	3/32	1/16	RT3 1/2-L2 1/2-1	RT3 1/2-L2 1/2-1-SS	RT3 1/2-L2 1/2-1-316SS	RT3 1/2-L2 1/2-1-NP	Consult Factory	Consult Factory	Consult Factory
5/32 / 4mm	3/32	5/64 / 2mm	RT3 1/2-L2 1/2-2	RT3 1/2-L2 1/2-2-SS	RT3 1/2-L2 1/2-2-316SS	RT3 1/2-L2 1/2-2-NP	Consult Factory	Consult Factory	Consult Factory
5/32 / 4mm	3/32	1/8	RT3 1/2-L2 1/2-3	RT3 1/2-L2 1/2-3-SS	RT3 1/2-L2 1/2-3-316SS	RT3 1/2-L2 1/2-3-NP	Consult Factory	Consult Factory	Consult Factory
5/32 / 4mm	3/32	5/32 / 4mm	RT3 1/2-L2 1/2-3 1/2	RT3 1/2-L2 1/2-3 1/2-SS	RT3 1/2-L2 1/2-3 1/2-316SS	RT3 1/2-L2 1/2-3 1/2-NP	Consult Factory	Consult Factory	Consult Factory
5/32 / 4mm	1/8	1/16	RT3 1/2-L3-1	RT3 1/2-L3-1-SS	RT3 1/2-L3-1-316SS	RT3 1/2-L3-1-NP	Consult Factory	Consult Factory	Consult Factory
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



12 o'clock branch can be placed at any degree increment!
(These are fixed locations; they do not swivel.)



Smaller branch combinations available! Consult factory!

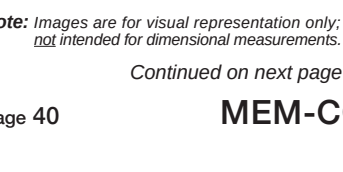
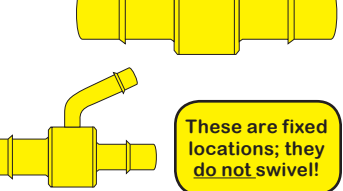
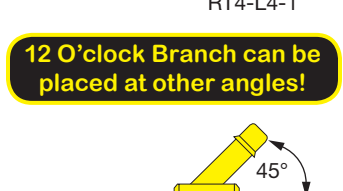
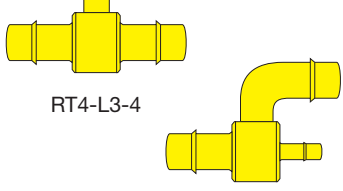
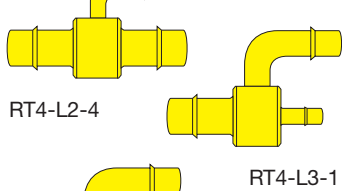
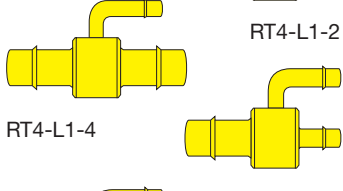
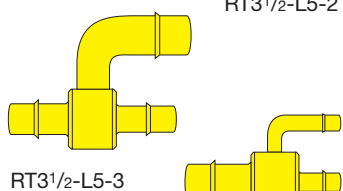
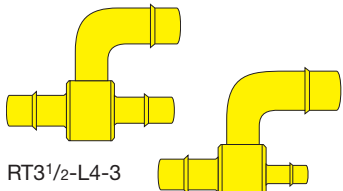
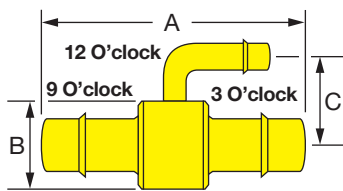


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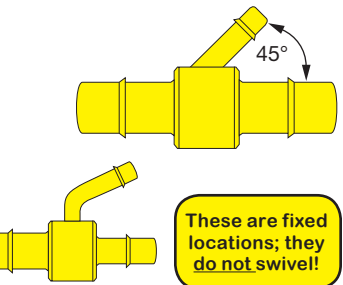


Parallel Run Reducing L-Tees

48



12 O'clock Branch can be placed at other angles!

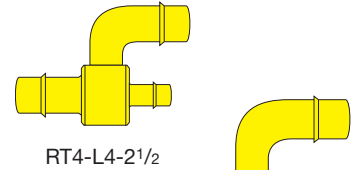
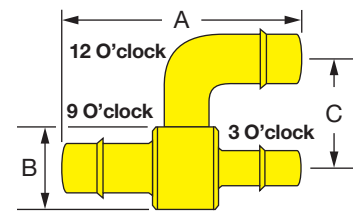


Note: Images are for visual representation only; not intended for dimensional measurements.

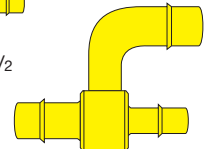
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Tube ID			Part Numbers				Dimensions (Reference)		
9 O'clock	12 O'clock	3 O'clock	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
5/32 / 4mm	.170	5/64 / 2mm	RT3 1/2-L4-2	RT3 1/2-L4-2-SS	RT3 1/2-L4-2-316SS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

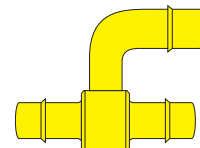
Tube ID			Part Numbers				Dimensions (Reference)		
9 O'clock	12 O'clock	3 O'clock	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
.170	.170	3/32	RT4-L4-2½	RT4-L4-2½-SS	RT4-L4-2½-316SS	RT4-L4-2½-NP	Consult Factory	Consult Factory	Consult Factory
.170	.170	1/8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



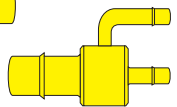
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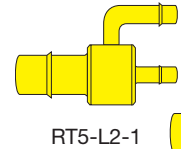
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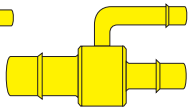
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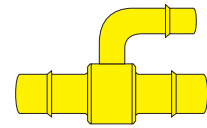
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RT5-L2-1

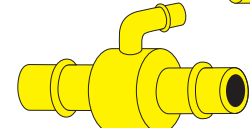
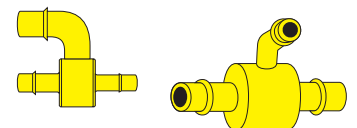
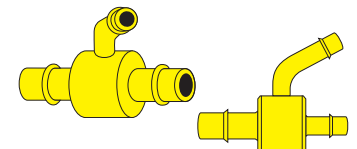


RT5-L2-3



RT5-L3-5

12 O'clock Branch can be placed at any degree increment!
These are fixed locations.
(They do not swivel.)

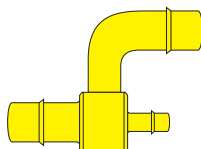
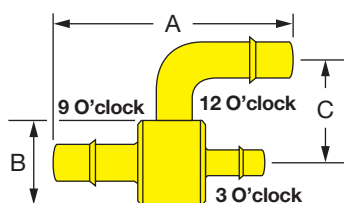


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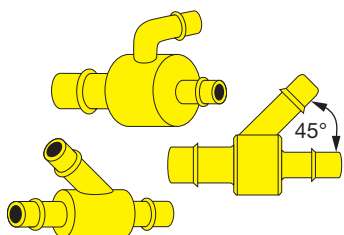
Parallel Run Reducing L-Tees

50



RT5-L5-2

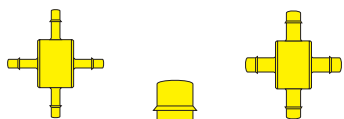
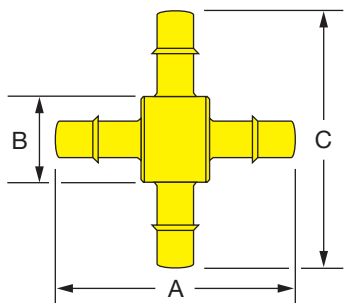
Many options available!
Consult factory for details!



Tube ID			Part Numbers				Dimensions (Reference)		
9 O'clock	12 O'clock	3 O'clock	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
3/16	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

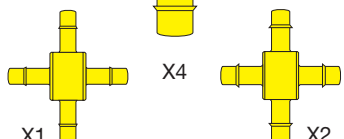
Crosses

51



X.040

X.050

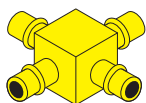


X4

X2

X1

NEW: Square
Body Crosses!
See page 511!



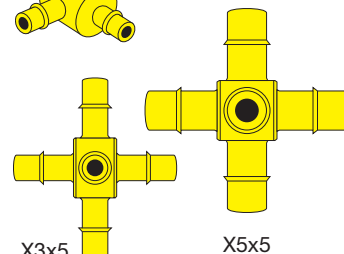
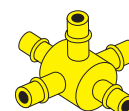
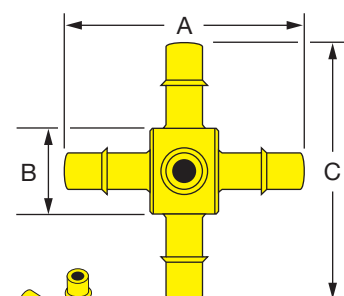
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
1/32	X.031	X.031-SS	X.031-316SS	X.031-NP	9/16	1/4	9/16
.040 / 1mm	X.040	X.040-SS	X.040-316SS	X.040-NP	9/16	1/4	9/16
3/64	X.045	X.045-SS	X.045-316SS	X.045-NP	9/16	1/4	9/16
.050	X.050	X.050-SS	X.050-316SS	X.050-NP	9/16	1/4	9/16
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	1 5/16
5/32 / 4mm	X3 1/2	X3 1/2-SS	X3 1/2-316SS	X3 1/2-NP	27/32	5/16	1 5/16
.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 5/16
7/32	X5 1/2	X5 1/2-SS	X5 1/2-316SS	X5 1/2-NP	1.00	3/8	1 5/16
6mm	X5 3/4	X5 3/4-SS	X5 3/4-316SS	X5 3/4-NP	1.00	3/8	1 5/16
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 7/16
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

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

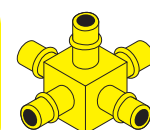
52

Five Branch Crosses

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 1/2x5	X2 1/2x5-SS	X2 1/2x5-316SS	X2 1/2x5-NP	4 1/64	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 1/2x5	X3 1/2x5-SS	X3 1/2x5-316SS	X3 1/2x5-NP	27/32	5/16	1 5/16
.170	X4x5	X4x5-SS	X4x5-316SS	X4x5-NP	1 5/16	5/16	1 1/8
3/16	X5x5	X5x5-SS	X5x5-316SS	X5x5-NP	1.00	3/8	1 5/16
7/32	X5 1/2x5	X5 1/2x5-SS	X5 1/2x5-316SS	X5 1/2x5-NP	1.00	3/8	1 5/16
6mm	X5 3/4x5	X5 3/4x5-SS	X5 3/4x5-316SS	X5 3/4x5-NP	1.00	3/8	1 5/16
1/4	X6x5	X6x5-SS	X6x5-316SS	X6x5-NP	1 5/16	7/16	1 7/16
5/16 / 8mm	X7x5	X7x5-SS	X7x5-316SS	X7x5-NP	1 21/32	5/8	1 7/16
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



NEW:
Square Body
5 Branch
Crosses! See
page 512!

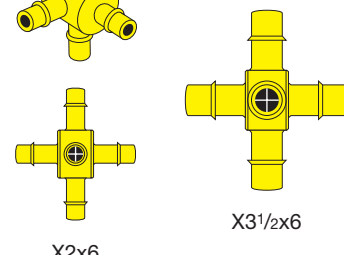
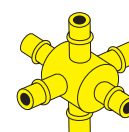
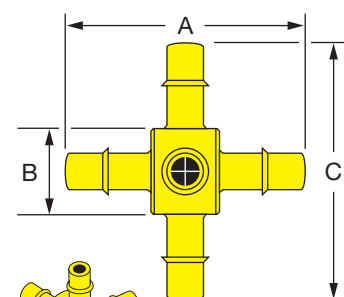


Five Branch Crosses also available with .031, .040 .045, and .050 Branch sizes! Consult Factory for details and dimensions!

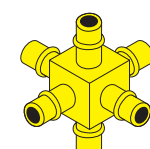
53

Six Branch Crosses

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



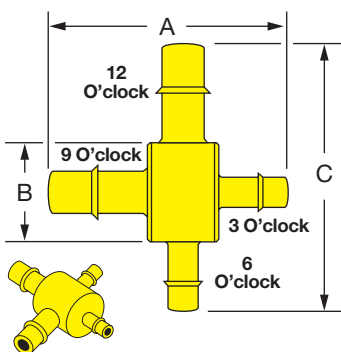
NEW:
Square Body
6 Branch
Crosses! See
page 512!



Six Branch Crosses also available with .031, .040 .045, and .050 Branch sizes! Consult Factory for details and dimensions!

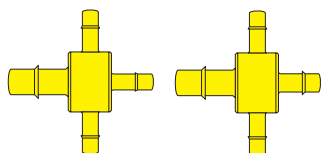


Reducing Crosses*



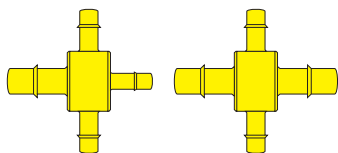
RX2-1-2-1

RX2-2-2-1



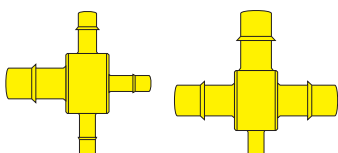
RX3-1-1-1

RX3-1-2-1



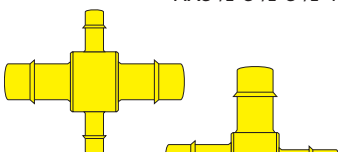
RX3-2-1-2

RX3-2-3-2



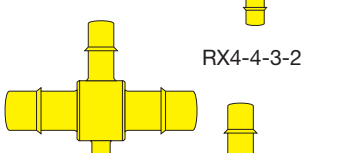
RX3 1/2-2-1-1

RX3 1/2-3 1/2-2-1-1



RX4-2-4-2

RX4-4-3-2



RC5-3-5-2

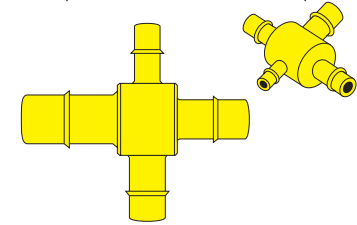
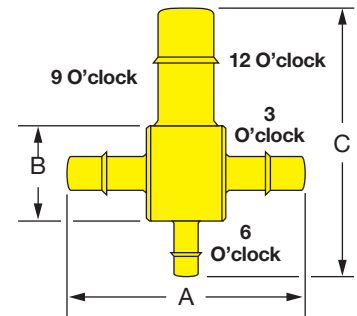
RX5 1/2-3-5-4

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

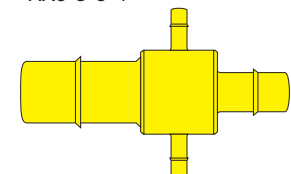
Continued on next page

Tube ID				Part Numbers				Dimensions (Reference)		
9 O'clock	12 O'clock	3 O'clock	6 O'clock	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
5/64 / 2mm	1/16	5/64 / 2mm	1/16	RX2-1-1-1	RX2-1-1-1-SS	RX2-1-1-1-316SS	RX2-1-1-1-NP	Consult Factory	Consult Factory	Consult Factory
5/64 / 2mm	1/16	5/64 / 2mm	1/16	RX2-1-2-1	RX2-1-2-1-SS	RX2-1-2-1-316SS	RX2-1-2-1-NP	Consult Factory	Consult Factory	Consult Factory
5/64 / 2mm	5/64 / 2mm	1/16	1/16	RX2-2-1-1	RX2-2-1-1-SS	RX2-2-1-1-316SS	RX2-2-1-1-NP	Consult Factory	Consult Factory	Consult Factory
5/64 / 2mm	5/64 / 2mm	5/64 / 2mm	1/16	RX2-2-2-1	RX2-2-2-1-SS	RX2-2-2-1-316SS	RX2-2-2-1-NP	Consult Factory	Consult Factory	Consult Factory
3/32	1/16	5/64 / 2mm	1/16	RX2 1/2-1-2-1	RX2 1/2-1-2-1-SS	RX2 1/2-1-2-1-316SS	RX2 1/2-1-2-1-NP	Consult Factory	Consult Factory	Consult Factory
3/32	5/64 / 2mm	5/64 / 2mm	1/16	RX2 1/2-2-2-1	RX2 1/2-2-2-1-SS	RX2 1/2-2-2-1-316SS	RX2 1/2-2-2-1-NP	Consult Factory	Consult Factory	Consult Factory
3/32	5/64 / 2mm	3/32	5/64 / 2mm	RX2 1/2-2-2 1/2-2	RX2 1/2-2-2 1/2-2-SS	RX2 1/2-2-2 1/2-2-316SS	RX2 1/2-2-2 1/2-2-NP	Consult Factory	Consult Factory	Consult Factory
3/32	3/32	1/16	1/16	RX2 1/2-2 1/2-1-1	RX2 1/2-2 1/2-1-1-SS	RX2 1/2-2 1/2-1-1-316SS	RX2 1/2-2 1/2-1-1-NP	Consult Factory	Consult Factory	Consult Factory
3/32	3/32	5/64 / 2mm	5/64 / 2mm	RX2 1/2-2 1/2-2-2	RX2 1/2-2 1/2-2-2-SS	RX2 1/2-2 1/2-2-2-316SS	RX2 1/2-2 1/2-2-2-NP	Consult Factory	Consult Factory	Consult Factory
1/8	1/16	1/8	1/16	RX3-1-3-1	RX3-1-3-1-SS	RX3-1-3-1-316SS	RX3-1-3-1-NP	Consult Factory	Consult Factory	Consult Factory
1/8	5/64 / 2mm	5/64 / 2mm	5/64 / 2mm	RX3-2-2-2	RX3-2-2-2-SS	RX3-2-2-2-316SS	RX3-2-2-2-NP	Consult Factory	Consult Factory	Consult Factory
1/8	3/32	1/8	5/64 / 2mm	RX3-2 1/2-3-2	RX3-2 1/2-3-2-SS	RX3-2 1/2-3-2-316SS	RX3-2 1/2-3-2-NP	Consult Factory	Consult Factory	Consult Factory
1/8	1/8	1/16	1/16	RX3-3-1-1	RX3-3-1-1-SS	RX3-3-1-1-316SS	RX3-3-1-1-NP	Consult Factory	Consult Factory	Consult Factory
1/8	1/8	1/8	5/64 / 2mm	RX3-3-3-2	RX3-3-3-2-SS	RX3-3-3-2-316SS	RX3-3-3-2-NP	Consult Factory	Consult Factory	Consult Factory
5/32 / 4mm	1/16	5/64 / 2mm	1/16	RX3 1/2-1-2-1	RX3 1/2-1-2-1-SS	RX3 1/2-1-2-1-316SS	RX3 1/2-1-2-1-NP	Consult Factory	Consult Factory	Consult Factory
5/32 / 4mm	5/64 / 2mm	1/8	5/64 / 2mm	RX3 1/2-2-3-2	RX3 1/2-2-3-2-SS	RX3 1/2-2-3-2-316SS	RX3 1/2-2-3-2-NP	Consult Factory	Consult Factory	Consult Factory
5/32 / 4mm	3/32	1/16	5/64 / 2mm	RX3 1/2-2 1/2-1-2	RX3 1/2-2 1/2-1-2-SS	RX3 1/2-2 1/2-1-2-316SS	RX3 1/2-2 1/2-1-2-NP	Consult Factory	Consult Factory	Consult Factory
5/32 / 4mm	1/8	5/64 / 2mm	1/16	RX3 1/2-3-2-1	RX3 1/2-3-2-1-SS	RX3 1/2-3-2-1-316SS	RX3 1/2-3-2-1-NP	Consult Factory	Consult Factory	Consult Factory
5/32 / 4mm	1/8	5/32 / 4mm	5/64 / 2mm	RX3 1/2-3-3 1/2-2	RX3 1/2-3-3 1/2-2-SS	RX3 1/2-3-3 1/2-2-316SS	RX3 1/2-3-3 1/2-2-NP	Consult Factory	Consult Factory	Consult Factory
.170	1/16	1/8	1/16	RX4-1-3-1	RX4-1-3-1-SS	RX4-1-3-1-316SS	RX4-1-3-1-NP	Consult Factory	Consult Factory	Consult Factory
.170	5/64 / 2mm	.170	1/16	RX4-2-4-1	RX4-2-4-1-SS	RX4-2-4-1-316SS	RX4-2-4-1-NP	Consult Factory	Consult Factory	Consult Factory
.170	3/32	1/8	5/64 / 2mm	RX4-2 1/2-3-2	RX4-2 1/2-3-2-SS	RX4-2 1/2-3-2-316SS	RX4-2 1/2-3-2-NP	Consult Factory	Consult Factory	Consult Factory
.170	5/32 / 4mm	5/64 / 2mm	1/8	RX4-3 1/2-2-3	RX4-3 1/2-2-3-SS	RX4-3 1/2-2-3-316SS	RX4-3 1/2-2-3-NP	Consult Factory	Consult Factory	Consult Factory
.170	.170	.170	1/8	RX4-4-4-3	RX4-4-4-3-SS	RX4-4-4-3-316SS	RX4-4-4-3-NP	Consult Factory	Consult Factory	Consult Factory
3/16	1/16	3/16	1/16	RX5-1-5-1	RX5-1-5-1-SS	RX5-1-5-1-316SS	RX5-1-5-1-NP	Consult Factory	Consult Factory	Consult Factory
3/16	5/64 / 2mm	5/64 / 2mm	5/64 / 2mm	RX5-2-3-2	RX5-2-3-2-SS	RX5-2-3-2-316SS	RX5-2-3-2-NP	Consult Factory	Consult Factory	Consult Factory
3/16	1/8	3/16	3/32	RX5-3-5-2 1/2	RX5-3-5-2 1/2-SS	RX5-3-5-2 1/2-316SS	RX5-3-5-2 1/2-NP	Consult Factory	Consult Factory	Consult Factory
3/16	5/32 / 4mm	1/16	1/8	RX5-3 1/2-1-3	RX5-3 1/2-1-3-SS	RX5-3 1/2-1-3-316SS	RX5-3 1/2-1-3-NP	Consult Factory	Consult Factory	Consult Factory
3/16	3/16	.170	1/16	RX5-5-4-1	RX5-5-4-1-SS	RX5-5-4-1-316SS	RX5-5-4-1-NP	Consult Factory	Consult Factory	Consult Factory
7/32	5/64 / 2mm	1/16	1/16	RX5 1/2-2-1-1	RX5 1/2-2-1-1-SS	RX5 1/2-2-1-1-316SS	RX5 1/2-2-1-1-NP	Consult Factory	Consult Factory	Consult Factory
7/32	5/64 / 2mm	3/16	5/64 / 2mm	RX5 1/2-2-5-2	RX5 1/2-2-5-2-SS	RX5 1/2-2-5-2-316SS	RX5 1/2-2-5-2-NP	Consult Factory	Consult Factory	Consult Factory
7/32	1/8	1/16	1/8	RX5 1/2-3-1-3	RX5 1/2-3-1-3-SS	RX5 1/2-3-1-3-316SS	RX5 1/2-3-1-3-NP	Consult Factory	Consult Factory	Consult Factory
7/32	.170	3/16	5/32 / 4mm	RX5 1/2-4-5-3 1/2	RX5 1/2-4-5-3 1/2-SS	RX5 1/2-4-5-3 1/2-316SS	RX5 1/2-4-5-3 1/2-NP	Consult Factory	Consult Factory	Consult Factory
7/32	3/16	3/16	3/16	RX5 1/2-5-5-5	RX5 1/2-5-5-5-SS	RX5 1/2-5-5-5-316SS	RX5 1/2-5-5-5-NP	Consult Factory	Consult Factory	Consult Factory
6mm	1/16	5/32 / 4mm	1/16	RX5 3/4-1-3 1/2-1	RX5 3/4-1-3 1/2-1-SS	RX5 3/4-1-3 1/2-1-316SS	RX5 3/4-1-3 1/2-1-NP	Consult Factory	Consult Factory	Consult Factory
6mm	5/64 / 2mm	5/64 / 2mm	5/64 / 2mm	RX5 3/4-2-2-2	RX5 3/4-2-2-2-SS	RX5 3/4-2-2-2-316SS	RX5 3/4-2-2-2-NP	Consult Factory	Consult Factory	Consult Factory
6mm	1/8	.170	1/8	RX5 3/4-3-4-3	RX5 3/4-3-4-3-SS	RX5 3/4-3-4-3-316SS	RX5 3/4-3-4-3-NP	Consult Factory	Consult Factory	Consult Factory
6mm	.170	.170	5/32 / 4mm	RX5 3/4-4-4-3 1/2	RX5 3/4-4-4-3 1/2-SS	RX5 3/4-4-4-3 1/2-316SS	RX5 3/4-4-4-3 1/2-NP	Consult Factory	Consult Factory	Consult Factory
6mm	3/16	7/32	3/16	RX5 3/4-5-5 1/2-5	RX5 3/4-5-5 1/2-5-SS	RX5 3/4-5-5 1/2-5-316SS	RX5 3/4-5-5 1/2-5-NP	Consult Factory	Consult Factory	Consult Factory
1/4	1/16	1/8	1/16	RX6-1-3-1	RX6-1-3-1-SS	RX6-1-3-1-316SS	RX6-1-3-1-NP	Consult Factory	Consult Factory	Consult Factory

Tube ID				Part Numbers				Dimensions (Reference)		
9 O'clock	12 O'clock	3 O'clock	6 O'clock	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
1/4	1/8	5/64 / 2mm	1/16	RX6-3-2-1	RX6-3-2-1-SS	RX6-3-2-1-316SS	RX6-3-2-1-NP	Consult Factory	Consult Factory	Consult Factory
1/4	7/32	.170	5/32 / 4mm	RX6-5 1/2-4-3 1/2	RX6-5 1/2-4-3 1/2-SS	RX6-5 1/2-4-3 1/2-316SS	RX6-5 1/2-4-3 1/2-NP	Consult Factory	Consult Factory	Consult Factory
1/4	6mm	1/4	1/16	RX6-5 3/4-6-1	RX6-5 3/4-6-1-SS	RX6-5 3/4-6-1-316SS	RX6-5 3/4-6-1-NP	Consult Factory	Consult Factory	Consult Factory
1/4	1/4	3/16	3/16	RX6-6-5-5	RX6-6-5-5-SS	RX6-6-5-5-316SS	RX6-6-5-5-NP	Consult Factory	Consult Factory	Consult Factory
5/16 / 8mm	1/16	1/4	1/16	RX7-1-6-1	RX7-1-6-1-SS	RX7-1-6-1-316SS	RX7-1-6-1-NP	Consult Factory	Consult Factory	Consult Factory
5/16 / 8mm	3/32	5/16 / 8mm	5/64 / 2mm	RX7-2 1/2-7-2	RX7-2 1/2-7-2-SS	RX7-2 1/2-7-2-316SS	RX7-2 1/2-7-2-NP	Consult Factory	Consult Factory	Consult Factory
5/16 / 8mm	1/8	6mm	1/16	RX7-3-5 3/4-1	RX7-3-5 3/4-1-SS	RX7-3-5 3/4-1-316SS	RX7-3-5 3/4-1-NP	Consult Factory	Consult Factory	Consult Factory
5/16 / 8mm	.170	5/16 / 8mm	1/8	RX7-4-7-3	RX7-4-7-3-SS	RX7-4-7-3-316SS	RX7-4-7-3-NP	Consult Factory	Consult Factory	Consult Factory
5/16 / 8mm	1/4	1/4	.170	RX7-6-6-4	RX7-6-6-4-SS	RX7-6-6-4-316SS	RX7-6-6-4-NP	Consult Factory	Consult Factory	Consult Factory
5/16 / 8mm	5/16 / 8mm	5/16 / 8mm	3/16	RX7-7-7-5	RX7-7-7-5-SS	RX7-7-7-5-316SS	RX7-7-7-5-NP	Consult Factory	Consult Factory	Consult Factory
3/8	5/64 / 2mm	5/64 / 2mm	1/16	RX8-2-2-1	RX8-2-2-1-SS	RX8-2-2-1-316SS	RX8-2-2-1-NP	Consult Factory	Consult Factory	Consult Factory
3/8	3/32	3/8	3/32	RX8-3-8-2 1/2	RX8-3-8-2 1/2-SS	RX8-3-8-2 1/2-316SS	RX8-3-8-2 1/2-NP	Consult Factory	Consult Factory	Consult Factory
3/8	3/16	6mm	.170	RX8-5-5 3/4-4	RX8-5-5 3/4-4-SS	RX8-5-5 3/4-4-316SS	RX8-5-5 3/4-4-NP	Consult Factory	Consult Factory	Consult Factory
3/8	1/4	3/32	1/8	RX8-6-2 1/2-3	RX8-6-2 1/2-3-SS	RX8-6-2 1/2-3-316SS	RX8-6-2 1/2-3-NP	Consult Factory	Consult Factory	Consult Factory
3/8	1/4	3/8	.170	RX8-6-8-4	RX8-6-8-4-SS	RX8-6-8-4-316SS	RX8-6-8-4-NP	Consult Factory	Consult Factory	Consult Factory
3/8	5/16 / 8mm	3/8	5/64 / 2mm	RX8-7-8-2	RX8-7-8-2-SS	RX8-7-8-2-316SS	RX8-7-8-2-NP	Consult Factory	Consult Factory	Consult Factory
1/2	5/64 / 2mm	3/16	1/16	RX10-2-5-1	RX10-2-5-1-SS	RX10-2-5-1-316SS	RX10-2-5-1-NP	Consult Factory	Consult Factory	Consult Factory
1/2	3/32	3/8	3/32	RX10-3-8-2 1/2	RX10-3-8-2 1/2-SS	RX10-3-8-2 1/2-316SS	RX10-3-8-2 1/2-NP	Consult Factory	Consult Factory	Consult Factory
1/2	.170	3/32	.170	RX10-4-2 1/2-4	RX10-4-2 1/2-4-SS	RX10-4-2 1/2-4-316SS	RX10-4-2 1/2-4-NP	Consult Factory	Consult Factory	Consult Factory
1/2	3/16	3/8	.170	RX10-5-8-4	RX10-5-8-4-SS	RX10-5-8-4-316SS	RX10-5-8-4-NP	Consult Factory	Consult Factory	Consult Factory
1/2	6mm	5/16 / 8mm	3/16	RX10-5 3/4-7-5	RX10-5 3/4-7-5-SS	RX10-5 3/4-7-5-316SS	RX10-5 3/4-7-5-NP	Consult Factory	Consult Factory	Consult Factory
1/2	1/4	1/2	1/8	RX10-6-10-3	RX10-6-10-3-SS	RX10-6-10-3-316SS	RX10-6-10-3-NP	Consult Factory	Consult Factory	Consult Factory
1/2	5/16 / 8mm	3/8	1/16	RX10-7-8-1	RX10-7-8-1-SS	RX10-7-8-1-316SS	RX10-7-8-1-NP	Consult Factory	Consult Factory	Consult Factory
1/2	1/2	1/2	.170	RX10-10-10-4	RX10-10-10-4-SS	RX10-10-10-4-316SS	RX10-10-10-4-NP	Consult Factory	Consult Factory	Consult Factory
5/8	1/16	5/8	1/16	RX11-1-11-1	RX11-1-11-1-SS	RX11-1-11-1-316SS	RX11-1-11-1-NP	Consult Factory	Consult Factory	Consult Factory
5/8	1/8	1/4	1/8	RX11-3-6-3	RX11-3-6-3-SS	RX11-3-6-3-316SS	RX11-3-6-3-NP	Consult Factory	Consult Factory	Consult Factory
5/8	.170	5/8	5/64 / 2mm	RX11-4-11-2	RX11-4-11-2-SS	RX11-4-11-2-316SS	RX11-4-11-2-NP	Consult Factory	Consult Factory	Consult Factory
5/8	3/16	3/32	3/16	RX11-5-2 1/2-5	RX11-5-2 1/2-5-SS	RX11-5-2 1/2-5-316SS	RX11-5-2 1/2-5-NP	Consult Factory	Consult Factory	Consult Factory
5/8	6mm	5/8	3/16	RX11-5 3/4-11-5	RX11-5 3/4-11-5-SS	RX11-5 3/4-11-5-316SS	RX11-5 3/4-11-5-NP	Consult Factory	Consult Factory	Consult Factory
5/8	5/16 / 8mm	1/4	5/16 / 8mm	RX11-7-6-7	RX11-7-6-7-SS	RX11-7-6-7-316SS	RX11-7-6-7-NP	Consult Factory	Consult Factory	Consult Factory
5/8	1/2	1/2	3/16	RX11-10-10-5	RX11-10-10-5-SS	RX11-10-10-5-316SS	RX11-10-10-5-NP	Consult Factory	Consult Factory	Consult Factory
5/8	5/8	5/8	6mm	RX11-11-11-5 3/4	RX11-11-11-5 3/4-SS	RX11-11-11-5 3/4-316SS	RX11-11-11-5 3/4-NP	Consult Factory	Consult Factory	Consult Factory
3/4	1/16	1/8	1/16	RX12-1-3-1	RX12-1-3-1-SS	RX12-1-3-1-316SS	RX12-1-3-1-NP	Consult Factory	Consult Factory	Consult Factory
3/4	1/8	5/64 / 2mm	1/8	RX12-3-2-3	RX12-3-2-3-SS	RX12-3-2-3-316SS	RX12-3-2-3-NP	Consult Factory	Consult Factory	Consult Factory
3/4	.170	3/4	.170	RX12-4-12-4	RX12-4-12-4-SS	RX12-4-12-4-316SS	RX12-4-12-4-NP	Consult Factory	Consult Factory	Consult Factory
3/4	1/4	.170	.170	RX12-6-4-4	RX12-6-4-4-SS	RX12-6-4-4-316SS	RX12-6-4-4-NP	Consult Factory	Consult Factory	Consult Factory
3/4	5/16 / 8mm	3/8	7/32	RX12-7-8-5 1/2	RX12-7-8-5 1/2-SS	RX12-7-8-5 1/2-316SS	RX12-7-8-5 1/2-NP	Consult Factory	Consult Factory	Consult Factory
3/4	3/8	3/8	5/16 / 8mm	RX12-8-8-7	RX12-8-8-7-SS	RX12-8-8-7-316SS	RX12-8-8-7-NP	Consult Factory	Consult Factory	Consult Factory
3/4	1/2	3/4	1/4	RX12-10-12-6	RX12-10-12-6-SS	RX12-10-12-6-316SS	RX12-10-12-6-NP	Consult Factory	Consult Factory	Consult Factory
3/4	3/4	5/8	5/8	RX12-12-11-11	RX12-12-11-11-SS	RX12-12-11-11-316SS	RX12-12-11-11-NP	Consult Factory	Consult Factory	Consult Factory



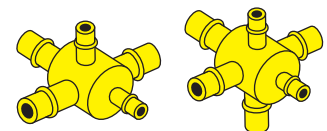
RX6-3-5-4



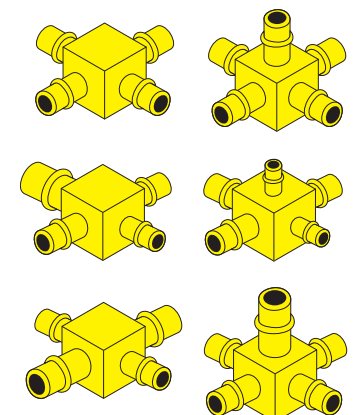
RX7-1-5-1

***This is a sample listing of the numerous parts available! Consult factory for more options!**

Five & Six Branch Reducing Crosses also available! Consult factory for details!



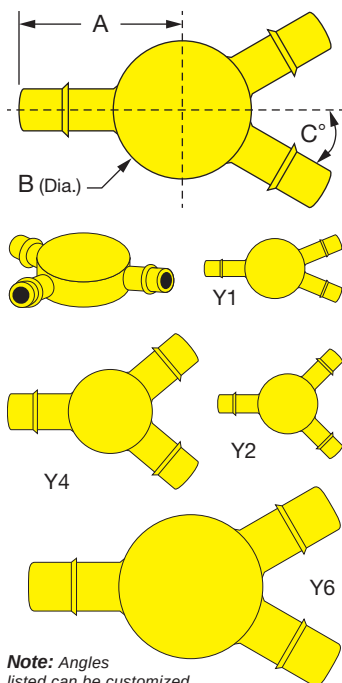
NEW: Square Body Crosses! See pages 511 & 512!





Y Fittings

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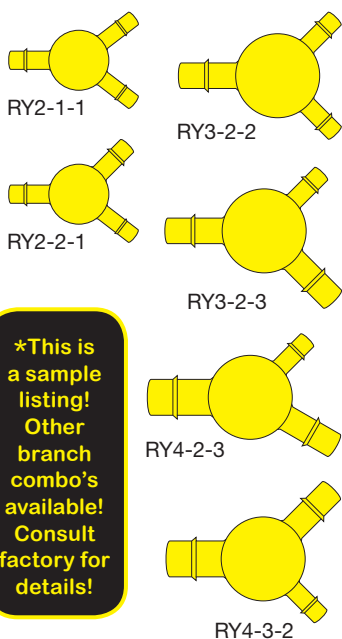
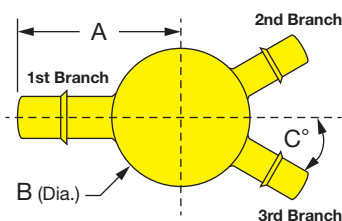


Note: Angles listed can be customized. Consult factory for details!

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	3/8	22.5°
5/64 / 2mm	Y2	Y2-SS	Y2-316SS	Y2-NP	15/32	5/16	45°
3/32	Y2 1/2	Y2 1/2-SS	Y2 1/2-316SS	Y2 1/2-NP	15/32	5/16	45°
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	17/32	7/16	30°
.170	Y4	Y4-SS	Y4-316SS	Y4-NP	19/32	7/16	40°
3/16	Y5	Y5-SS	Y5-316SS	Y5-NP	5/8	1/2	40°
7/32	Y5 1/2	Y5 1/2-SS	Y5 1/2-316SS	Y5 1/2-NP	5/8	1/2	40°
6mm	Y5 3/4	Y5 3/4-SS	Y5 3/4-316SS	Y5 3/4-NP	27/32	3/4	30°
1/4	Y6	Y6-SS	Y6-316SS	Y6-NP	27/32	3/4	30°
5/16 / 8mm	Y7	Y7-SS	Y7-316SS	Y7-NP	1 3/32	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 5/16	1 1/4	30°
5/8	Y11	Y11-SS	Y11-316SS	Y11-NP	Consult Factory		30°
3/4	Y12	Y12-SS	Y12-316SS	Y12-NP	Consult Factory		30°

Reducing Y Fittings*

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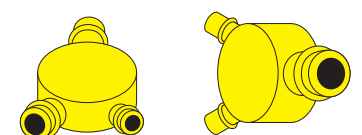
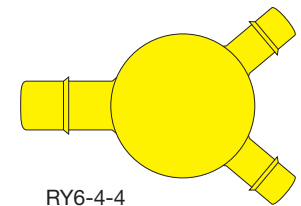
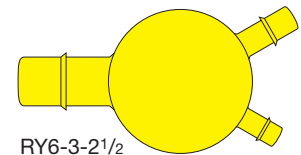
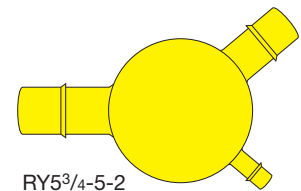
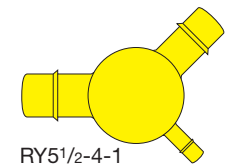
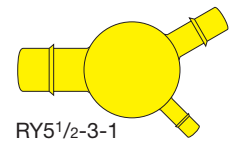
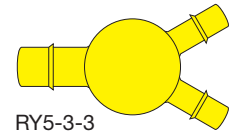
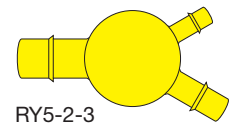
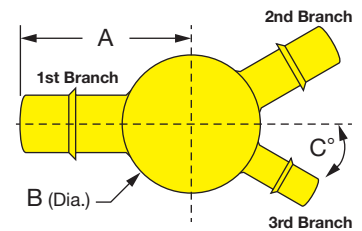


***This is a sample listing! Other branch combo's available! Consult factory for details!**

Tube ID			Part Numbers				Dimensions (Reference)		
1st Branch	2nd Branch	3rd Branch	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
5/64 / 2mm	1/16	1/16	RY2-1-1	RY2-1-1-SS	RY2-1-1-316SS	RY2-1-1-NP	15/32	5/16	45°
5/64 / 2mm	5/64 / 2mm	1/16	RY2-2-1	RY2-2-1-SS	RY2-2-1-316SS	RY2-2-1-NP	15/32	5/16	45°
3/32	1/16	1/16	RY2 1/2-1-1	RY2 1/2-1-1-SS	RY2 1/2-1-1-316SS	RY2 1/2-1-1-NP	15/32	5/16	45°
3/32	5/64 / 2mm	1/16	RY2 1/2-2-1	RY2 1/2-2-1-SS	RY2 1/2-2-1-316SS	RY2 1/2-2-1-NP	15/32	5/16	45°
3/32	5/64 / 2mm	5/64 / 2mm	RY2 1/2-2-2	RY2 1/2-2-2-SS	RY2 1/2-2-2-316SS	RY2 1/2-2-2-NP	15/32	5/16	45°
1/8	1/16	1/16	RY3-1-1	RY3-1-1-SS	RY3-1-1-316SS	RY3-1-1-NP	17/32	7/16	45°
1/8	5/64 / 2mm	1/16	RY3-2-1	RY3-2-1-SS	RY3-2-1-316SS	RY3-2-1-NP	17/32	7/16	45°
1/8	5/64 / 2mm	5/64 / 2mm	RY3-2-2	RY3-2-2-SS	RY3-2-2-316SS	RY3-2-2-NP	17/32	7/16	45°
1/8	5/64 / 2mm	1/8	RY3-2-3	RY3-2-3-SS	RY3-2-3-316SS	RY3-2-3-NP	17/32	7/16	45°
1/8	1/8	5/64 / 2mm	RY3-3-2	RY3-3-2-SS	RY3-3-2-316SS	RY3-3-2-NP	17/32	7/16	45°
1/8	1/8	3/32	RY3-3-2 1/2	RY3-3-2 1/2-SS	RY3-3-2 1/2-316SS	RY3-3-2 1/2-NP	17/32	7/16	45°
5/32 / 4mm	5/64 / 2mm	1/16	RY3 1/2-2-1	RY3 1/2-2-1-SS	RY3 1/2-2-1-316SS	RY3 1/2-2-1-NP	17/32	7/16	45°
5/32 / 4mm	5/64 / 2mm	5/64 / 2mm	RY3 1/2-2-2	RY3 1/2-2-2-SS	RY3 1/2-2-2-316SS	RY3 1/2-2-2-NP	17/32	7/16	45°
5/32 / 4mm	1/8	3/32	RY3 1/2-3-2 1/2	RY3 1/2-3-2 1/2-SS	RY3 1/2-3-2 1/2-316SS	RY3 1/2-3-2 1/2-NP	17/32	7/16	45°
5/32 / 4mm	1/8	1/8	RY3 1/2-3-3	RY3 1/2-3-3-SS	RY3 1/2-3-3-316SS	RY3 1/2-3-3-NP	17/32	7/16	30°
.170	5/64 / 2mm	1/16	RY4-2-1	RY4-2-1-SS	RY4-2-1-316SS	RY4-2-1-NP	19/32	7/16	45°
.170	1/8	1/16	RY4-3-1	RY4-3-1-SS	RY4-3-1-316SS	RY4-3-1-NP	19/32	7/16	45°
.170	1/8	5/64 / 2mm	RY4-3-2	RY4-3-2-SS	RY4-3-2-316SS	RY4-3-2-NP	19/32	7/16	45°
.170	1/8	.170	RY4-3-4	RY4-3-4-SS	RY4-3-4-316SS	RY4-3-4-NP	19/32	7/16	30°
.170	.170	5/32 / 4mm	RY4-4-3 1/2	RY4-4-3 1/2-SS	RY4-4-3 1/2-316SS	RY4-4-3 1/2-NP	19/32	7/16	30°

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

Tube ID			Part Numbers				Dimensions (Reference)		
9 O'clock	2 O'clock	4 O'clock	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
3/16	5/64 / 2mm	1/8	RY5-2-3	RY5-2-3-SS	RY5-2-3-316SS	RY5-2-3-NP	5/8	1/2	45°
3/16	1/8	5/64 / 2mm	RY5-3-2	RY5-3-2-SS	RY5-3-2-316SS	RY5-3-2-NP	5/8	1/2	45°
3/16	1/8	1/8	RY5-3-3	RY5-3-3-SS	RY5-3-3-316SS	RY5-3-3-NP	5/8	1/2	30°
3/16	.170	1/8	RY5-4-3	RY5-4-3-SS	RY5-4-3-316SS	RY5-4-3-NP	5/8	1/2	30°
3/16	.170	3/16	RY5-4-5	RY5-4-5-SS	RY5-4-5-316SS	RY5-4-5-NP	5/8	1/2	40°
7/32	1/8	1/16	RY5 1/2-3-1	RY5 1/2-3-1-SS	RY5 1/2-3-1-316SS	RY5 1/2-3-1-NP	5/8	1/2	30°
7/32	.170	1/16	RY5 1/2-4-1	RY5 1/2-4-1-SS	RY5 1/2-4-1-316SS	RY5 1/2-4-1-NP	5/8	1/2	45°
7/32	3/16	3/32	RY5 1/2-5-2 1/2	RY5 1/2-5-2 1/2-SS	RY5 1/2-5-2 1/2-316SS	RY5 1/2-5-2 1/2-NP	5/8	1/2	40°
6mm	5/64 / 2mm	3/16	RY5 3/4-2-5	RY5 3/4-2-5-SS	RY5 3/4-2-5-316SS	RY5 3/4-2-5-NP	27/32	3/4	45°
6mm	3/16	5/64 / 2mm	RY5 3/4-5-2	RY5 3/4-5-2-SS	RY5 3/4-5-2-316SS	RY5 3/4-5-2-NP	27/32	3/4	45°
6mm	3/16	3/16	RY5 3/4-5-5	RY5 3/4-5-5-SS	RY5 3/4-5-5-316SS	RY5 3/4-5-5-NP	27/32	3/4	40°
1/4	5/64 / 2mm	1/16	RY6-2-1	RY6-2-1-SS	RY6-2-1-316SS	RY6-2-1-NP	27/32	3/4	45°
1/4	5/64 / 2mm	5/64 / 2mm	RY6-2-2	RY6-2-2-SS	RY6-2-2-316SS	RY6-2-2-NP	27/32	3/4	45°
1/4	1/8	5/64 / 2mm	RY6-3-2 1/2	RY6-3-2 1/2-SS	RY6-3-2 1/2-316SS	RY6-3-2 1/2-NP	27/32	3/4	30°
1/4	3/16	.170	RY6-4-4	RY6-4-4-SS	RY6-4-4-316SS	RY6-4-4-NP	27/32	3/4	40°
1/4	3/16	3/16	RY6-5-4	RY6-5-4-SS	RY6-5-4-316SS	RY6-5-4-NP	27/32	3/4	40°
5/16 / 8mm	1/4	1/16	RY7-6-1	RY7-6-1-SS	RY7-6-1-316SS	RY7-6-1-NP	1 3/32	1	45°
5/16 / 8mm	3/16	5/64 / 2mm	RY7-5-2	RY7-5-2-SS	RY7-5-2-316SS	RY7-5-2-NP	1 1/32	1	45°
5/16 / 8mm	1/4	1/8	RY7-6-3	RY7-6-3-SS	RY7-6-3-316SS	RY7-6-3-NP	1 3/32	1	30°
5/16 / 8mm	5/16 / 8mm	1/4	RY7-7-6	RY7-7-6-SS	RY7-7-6-316SS	RY7-7-6-NP	1 1/32	1	30°
3/8	5/64 / 2mm	1/16	RY8-2-1	RY8-2-1-SS	RY8-2-1-316SS	RY8-2-1-NP	1 3/32	1	45°
3/8	3/16	5/64 / 2mm	RY8-5-2	RY8-5-2-SS	RY8-5-2-316SS	RY8-5-2-NP	1 1/32	1	45°
3/8	1/8	1/8	RY8-3-3	RY8-3-3-SS	RY8-3-3-316SS	RY8-3-3-NP	1 3/32	1	30°
3/8	1/4	.170	RY8-6-4	RY8-6-4-SS	RY8-6-4-316SS	RY8-6-4-NP	1 1/32	1	40°
3/8	3/8	5/16 / 8mm	RY8-8-7	RY8-8-7-SS	RY8-8-7-316SS	RY8-8-7-NP	1 3/32	1	30°
1/2	.170	1/16	RY10-4-1	RY10-4-1-SS	RY10-4-1-316SS	RY10-4-1-NP	1 5/16	1 1/4	45°
1/2	3/16	3/16	RY10-5-5	RY10-5-5-SS	RY10-5-5-316SS	RY10-5-5-NP	1 5/16	1 1/4	40°
1/2	5/16 / 8mm	1/8	RY10-7-3	RY10-7-3-SS	RY10-7-3-316SS	RY10-7-3-NP	1 5/16	1 1/4	40°
1/2	3/8	5/64 / 2mm	RY10-8-2	RY10-8-2-SS	RY10-8-2-316SS	RY10-8-2-NP	1 5/16	1 1/4	45°
1/2	3/8	3/8	RY10-8-8	RY10-8-8-SS	RY10-8-8-316SS	RY10-8-8-NP	1 5/16	1 1/4	30°
5/8	1/8	1/16	RY11-3-1	RY11-3-1-SS	RY11-3-1-316SS	RY11-3-1-NP	Consult Factory	Consult Factory	45°
5/8	1/4	1/8	RY11-6-3	RY11-6-3-SS	RY11-6-3-316SS	RY11-6-3-NP			30°
5/8	5/16 / 8mm	3/16	RY11-7-5	RY11-7-5-SS	RY11-7-5-316SS	RY11-7-5-NP			40°
5/8	5/8	3/8	RY11-11-8	RY11-11-8-SS	RY11-11-8-316SS	RY11-11-8-NP	Consult Factory	Consult Factory	30°
3/4	1/16	1/16	RY12-1-1	RY12-1-1-SS	RY12-1-1-316SS	RY12-1-1-NP			45°
3/4	1/8	1/8	RY12-3-3	RY12-3-3-SS	RY12-3-3-316SS	RY12-3-3-NP			30°
3/4	.170	5/64 / 2mm	RY12-4-2	RY12-4-2-SS	RY12-4-2-316SS	RY12-4-2-NP	Consult Factory	Consult Factory	45°
3/4	1/4	3/16	RY12-6-5	RY12-6-5-SS	RY12-6-5-316SS	RY12-6-5-NP			40°
3/4	5/16 / 8mm	5/16 / 8mm	RY12-7-7	RY12-7-7-SS	RY12-7-7-316SS	RY12-7-7-NP			30°
3/4	5/8	5/8	RY12-11-11	RY12-11-11-SS	RY12-11-11-316SS	RY12-11-11-NP	Consult Factory	Consult Factory	30°

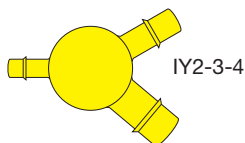
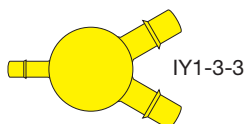
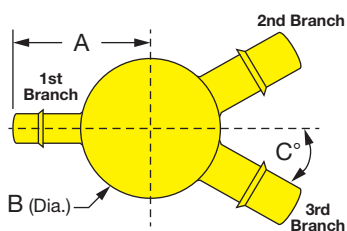


*This is a sample listing!
Other branch combo's available!
Consult factory for details!



59

Increasing Y 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

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

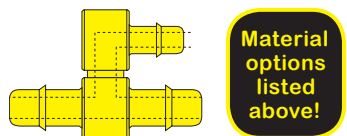
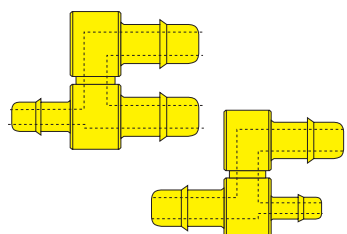
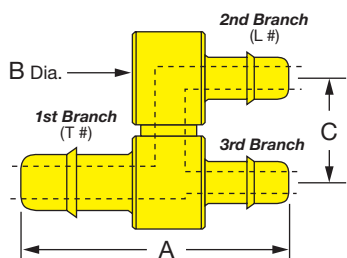
Outlet Branches		Angle
Tube ID	Branch Number	C Ref.
5/64 / 2mm	2	Consult Factory
3/32	2 1/2	
1/8	3	
5/32 / 4mm	3 1/2	
.170	4	
3/16	5	
7/32	5 1/2	
6mm	5 3/4	
1/4	6	
5/16 / 8mm	7	
3/8	8	
1/2	10	
5/8	11	
3/4	12	

Part Numbers for Increasing Y Fittings:

Fitting Series → **IY** # - # - # ← 3rd Branch Number
1st Branch Number 2nd Branch Number
Ex: IY1-3-6

Fabricated Parallel Run L-Tees & Reducing L-Tees

60



Material options listed above!

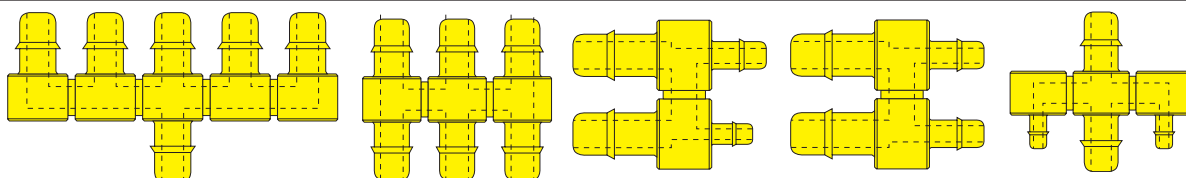
Inlet Branch		Dimensions (Reference)	
Tube ID	Branch Number	A Ref.	B Dia.
3/16	5	Consult Factory	Consult Factory
7/32	5 1/2	Consult Factory	Consult Factory
6mm	5 3/4	Consult Factory	Consult Factory
1/4	6	Consult Factory	Consult Factory
5/16 / 8mm	7	Consult Factory	Consult Factory
3/8	8	Consult Factory	Consult Factory
1/2	10	Consult Factory	Consult Factory
5/8	11	Consult Factory	Consult Factory
3/4	12	Consult Factory	Consult Factory

Outlet Branches		Angle
Tube ID	Branch Number	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
1/2	10	Consult Factory
5/8	11	Consult Factory
3/4	12	Consult Factory

Part Numbers for Reducing Fabricated Parallel Run L-Tees:

Fitting Series → **T** # - **L** # - # - **FAB** ← Fabrication Indicator
1st Branch Number Elbow Indicator 2nd Branch Number 3rd Branch Number
Ex: T6-L3-1-FAB

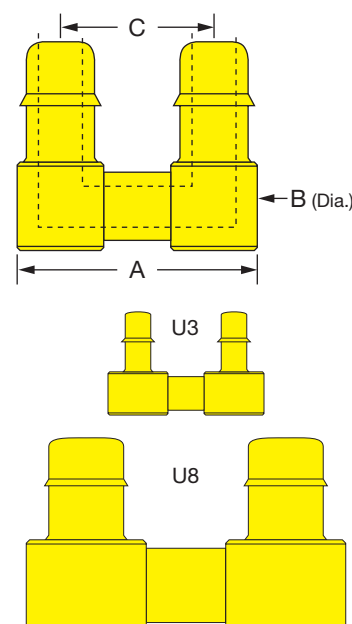
Many Parallel Run Options Available! Consult Factory for Details!



61

Fabricated Close Quarter U Fitting with Stem Bridge

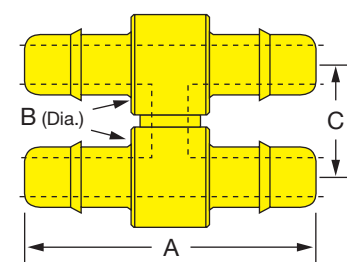
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
1/16	U1	U1-SS	U1-316SS	U1-NP	Consult Factory	Consult Factory	Consult Factory
5/64 / 2mm	U2	U2-SS	U2-316SS	U2-NP			
3/32	U2 1/2	U2 1/2-SS	U2 1/2-316SS	U2 1/2-NP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



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Parallel Run Combinations

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
3/16	H5	H5-SS	H5-316SS	H5-NP	Consult Factory		
7/32	H5 1/2	H5 1/2-SS	H5 1/2-316SS	H5 1/2-NP	Consult Factory		
6mm	H5 3/4	H5 3/4-SS	H5 3/4-316SS	H5 3/4-NP	Consult Factory		
1/4	H6	H6-SS	H6-316SS	H6-NP	1 1/16	7/16	1 5/32
5/16 / 8mm	H7	H7-SS	H7-316SS	H7-NP	Consult Factory	Consult Factory	Consult Factory
3/8	H8	H8-SS	H8-316SS	H8-NP			
1/2	H10	H10-SS	H10-316SS	H10-NP			
5/8	H11	H11-SS	H11-316SS	H11-NP			
3/4	H12	H12-SS	H12-316SS	H12-NP			

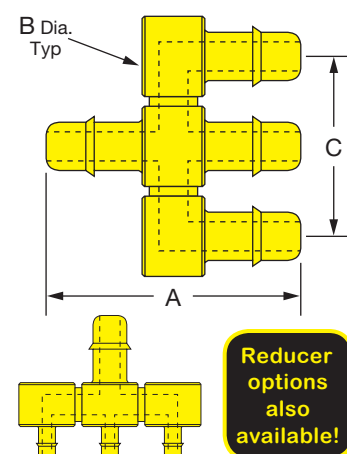


Many branch sizes & combinations available!
Consult factory for details!

63

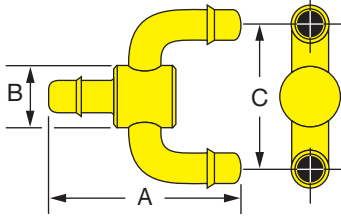
In-Line Manifold Parallel Run Combinations

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	Consult Factory		
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	Consult Factory		
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	Consult Factory		
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		
3/8	IM8-L8-8-L8	IM8-L8-8-L8-SS	IM8-L8-8-L8-316SS	IM8-L8-8-L8-NP	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		
5/8	IM11-L11-11-L11	IM11-L11-11-L11-SS	IM11-L11-11-L11-316SS	IM11-L11-11-L11-NP	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		

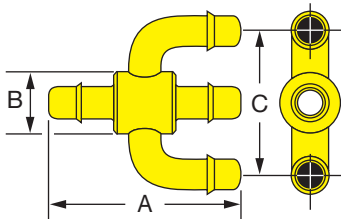




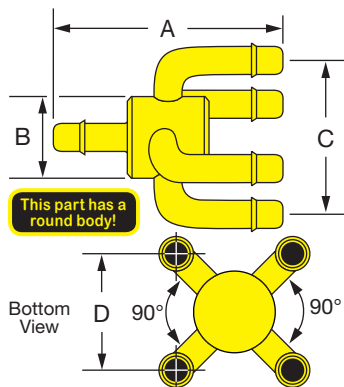
A

In-Line Manifolds - Two L-Branches**64****This part has a round body!**

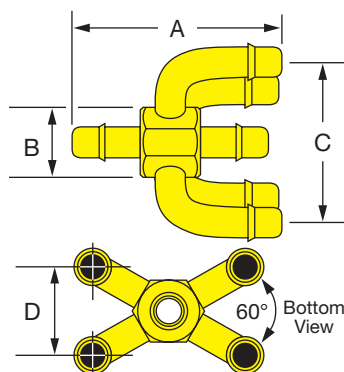
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
1/16	IM1x3	IM1x3-SS	IM1x3-316SS	IM1x3-NP	Consult Factory	5/32	Consult Factory
5/64 / 2mm	IM2x3	IM2x3-SS	IM2x3-316SS	IM2x3-NP	Consult Factory	5/32	Consult Factory
3/32	IM2 1/2x3	IM2 1/2x3-SS	IM2 1/2x3-316SS	IM2 1/2x3-NP	Consult Factory	9/32	Consult Factory
1/8	IM3x3	IM3x3-SS	IM3x3-316SS	IM3x3-NP	Consult Factory	1/4	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

In-Line Manifolds - Three Branches (Two L Branches)**65****This part has a round body!**

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	5/32	Consult Factory
5/64 / 2mm	IM2x4	IM2x4-SS	IM2x4-316SS	IM2x4-NP	Consult Factory	5/32	Consult Factory
3/32	IM2 1/2x4	IM2 1/2x4-SS	IM2 1/2x4-316SS	IM2 1/2x4-NP	Consult Factory	9/32	Consult Factory
1/8	IM3x4	IM3x4-SS	IM3x4-316SS	IM3x4-NP	Consult Factory	1/4	Consult Factory
5/32 / 4mm	IM3 1/2x4	IM3 1/2x4-SS	IM3 1/2x4-316SS	IM3 1/2x4-NP	Consult Factory	5/16	Consult Factory
.170	IM4x4	IM4x4-SS	IM4x4-316SS	IM4x4-NP	Consult Factory	5/16	Consult Factory

In-Line Manifolds - Four L Branches**66****This part has a round body!**

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	5/32	Consult Factory	
5/64 / 2mm	IM2x5	IM2x5-SS	IM2x5-316SS	IM2x5-NP		5/32	Consult Factory	
3/32	IM2 1/2x5	IM2 1/2x5-SS	IM2 1/2x5-316SS	IM2 1/2x5-NP		9/32	Consult Factory	
1/8	IM3x5	IM3x5-SS	IM3x5-316SS	IM3x5-NP		1/4	Consult Factory	
5/32 / 4mm	IM3 1/2x5	IM3 1/2x5-SS	IM3 1/2x5-316SS	IM3 1/2x5-NP		5/16	Consult Factory	
.170	IM4x5	IM4x5-SS	IM4x5-316SS	IM4x5-NP		5/16	Consult Factory	

In-Line Manifolds - Five Branches (Four L Branches)**67****This part has a hex body!**

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	5/32	Consult Factory	
5/64 / 2mm	IM2x6	IM2x6-SS	IM2x6-316SS	IM2x6-NP		5/32	Consult Factory	
3/32	IM2 1/2x6	IM2 1/2x6-SS	IM2 1/2x6-316SS	IM2 1/2x6-NP		9/32	Consult Factory	
1/8	IM3x6	IM3x6-SS	IM3x6-316SS	IM3x6-NP		1/4	Consult Factory	
5/32 / 4mm	IM3 1/2x6	IM3 1/2x6-SS	IM3 1/2x6-316SS	IM3 1/2x6-NP		5/16	Consult Factory	
.170	IM4x6	IM4x6-SS	IM4x6-316SS	IM4x6-NP		5/16	Consult Factory	

In-Line Coupling Manifolds also available! See pages 496 & 497!

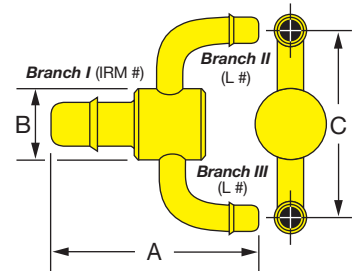
68

In-Line Reducing Manifolds

Branch I		Dimensions (Reference)	
Tube ID	Branch Number	A Ref.	B Dia.
.170	4	Consult Factory	5/16
3/16	5	Consult Factory	3/8
7/32	5 1/2	Consult Factory	3/8
6mm	5 3/4	Consult Factory	3/8
1/4	6	Consult Factory	7/16
5/16 / 8mm	7	Consult Factory	5/8
3/8	8	Consult Factory	9/16
1/2	10	Consult Factory	3/4

Branch II & III		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

Smaller Branch combinations available! Consult Factory for Details!



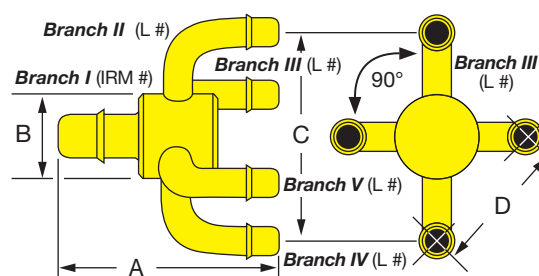
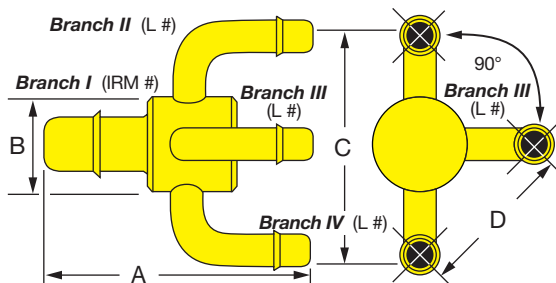
Unless otherwise specified, parts will be Brass.

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

Part Numbers for In-Line Reducing Manifold Fittings:

Fitting Series → **IRM** # - L # X # - L # X #
 Branch I Branch Number L Branch #'s (Branch II & III) Number of L Branches



Part Number Example:

IRM6-L3x2-L1x2

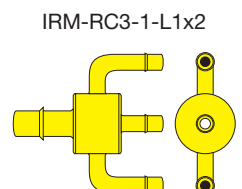
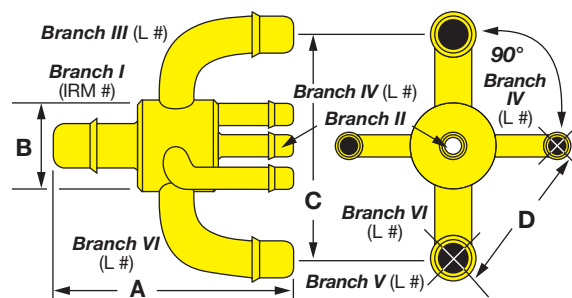
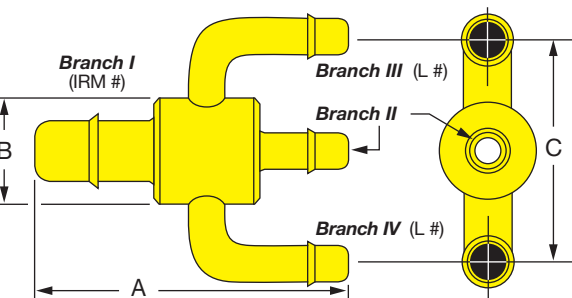
Branch Number = 6
Two L3 Branches
Two L1 Branches

69

In-Line Reducing Manifolds with Reducing Couplings

Part Numbers for In-Line Reducing Manifold Fittings:

Fitting Series → **IRM-RC** # - # - L # X # - L # X #
 Branch I Branch # Branch II Branch # L Branch # (Branch III) L Branch # (Branch IV)



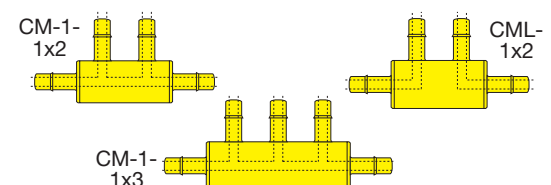
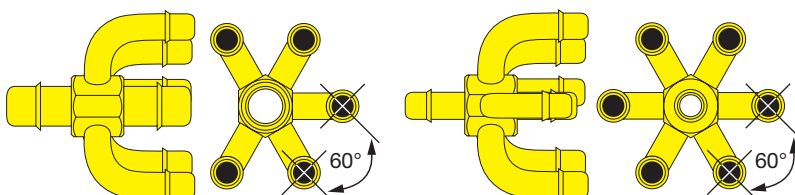
Part Number Example:

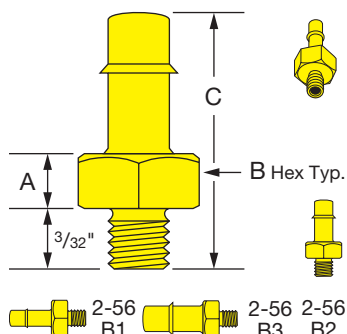
IRM-RC6-3-L3x2-L1x2

RC Branch Numbers = 6 - 3
(Reducing Coupling)
Two L3 Branches
Two L1 Branches

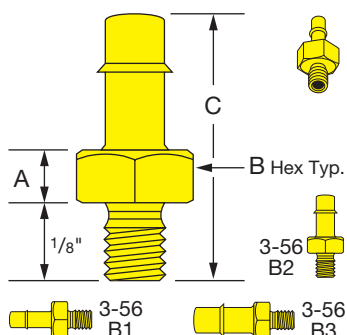
In-Line Reducing Manifolds also available with Hex Bodies! Consult Factory!

Coupling Manifolds available! See page 497!

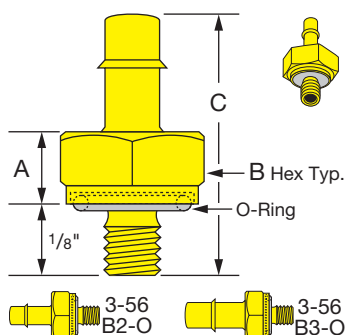


**2-56 Thread to Tube****70**

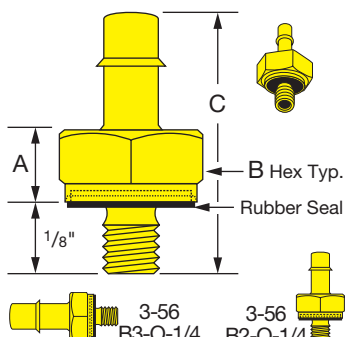
Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	2-56B1	2-56B1-SS	2-56B1-316SS	2-56B1-AL	2-56B1-NP	.085	3/16	.338
5/64 / 2mm	2-56B2	2-56B2-SS	2-56B2-316SS	2-56B2-AL	2-56B2-NP	.085	3/16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

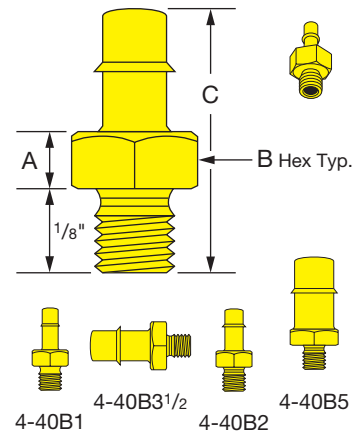
3-56 Thread to Tube with Captive Rubber Gasket Installed**73**

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

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4-40 Thread to Tube with Fibre Gasket Supplied

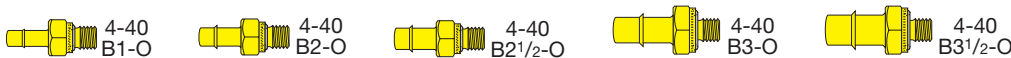
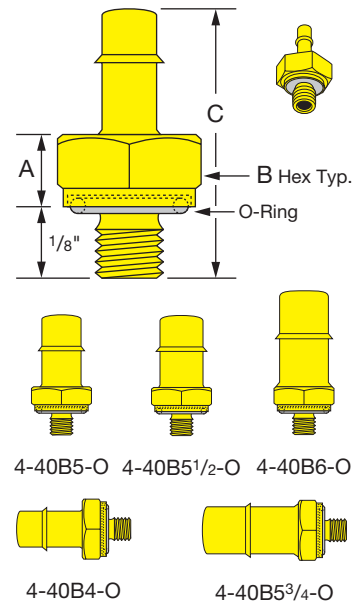
Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	4-40B1	4-40B1-SS	4-40B1-316SS	4-40B1-AL	4-40B1-NP	.085	3/16	.429
5/64 / 2mm	4-40B2	4-40B2-SS	4-40B2-316SS	4-40B2-AL	4-40B2-NP	.085	3/16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

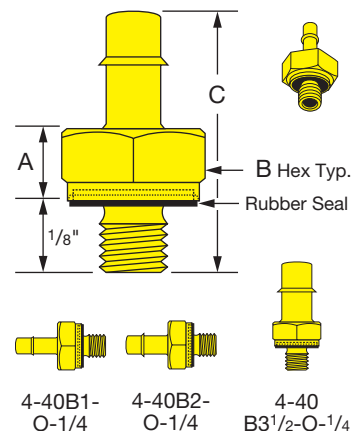


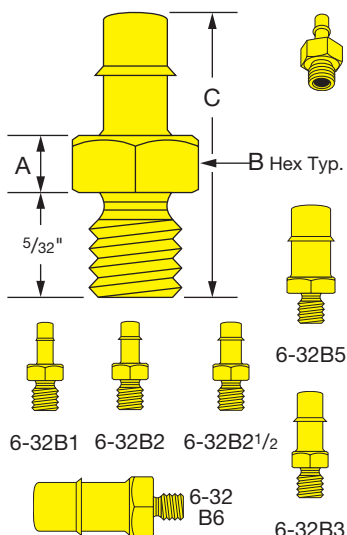
Note: Images are for visual representation only; not intended for dimensional measurements.

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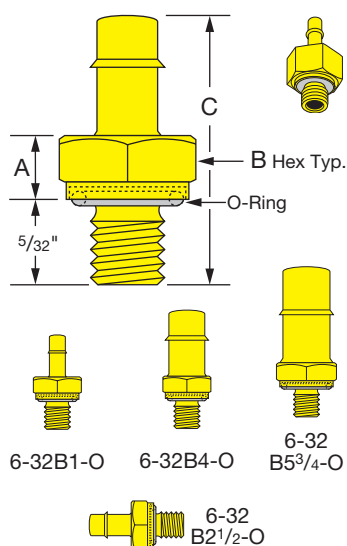
4-40 Thread to Tube with Captive Rubber Gasket Installed

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

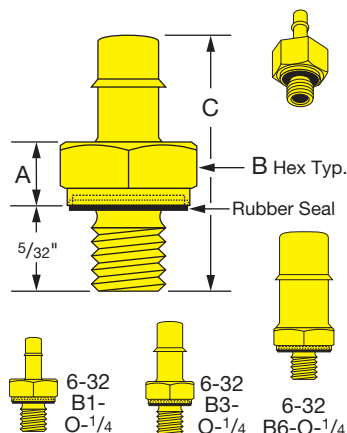


**6-32 Thread to Tube with Fibre Gasket Supplied****77**

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	1/8	1/4	35/64
3/16	6-32B5	6-32B5-SS	6-32B5-316SS	6-32B5-AL	6-32B5-NP	1/8	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	1/8	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	5/8
1/4	6-32B6	6-32B6-SS	6-32B6-316SS	6-32B6-AL	6-32B6-NP	1/8	5/16	5/8

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

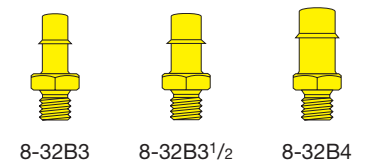
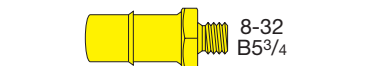
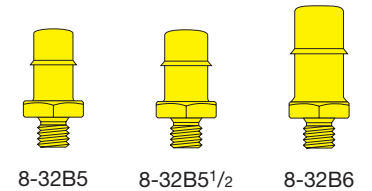
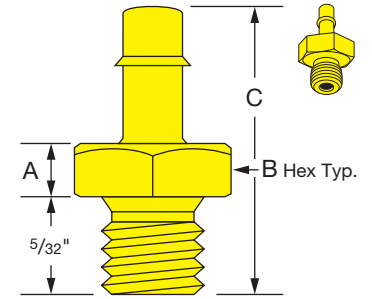
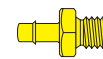
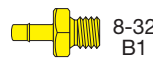
6-32 Thread to Tube with Captive Rubber Gasket Installed**79**

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

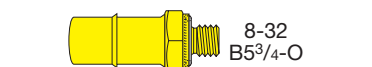
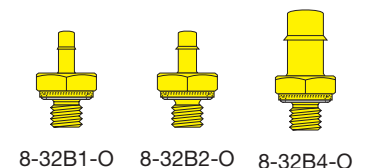
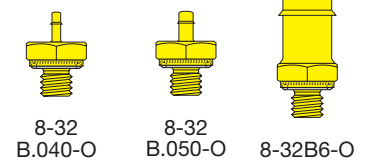
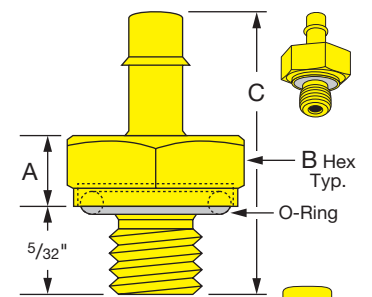
Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	8-32B.031	8-32B.031-SS	8-32B.031-316SS	8-32B.031-AL	8-32B.031-NP	.085	1/4	25/64
.040 / 1mm	8-32B.040	8-32B.040-SS	8-32B.040-316SS	8-32B.040-AL	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	1/8	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	5/8
1/4	8-32B6	8-32B6-SS	8-32B6-316SS	8-32B6-AL	8-32B6-NP	1/8	5/16	5/8



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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



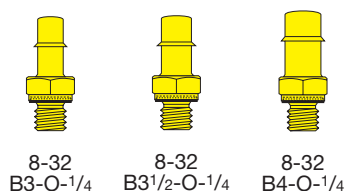
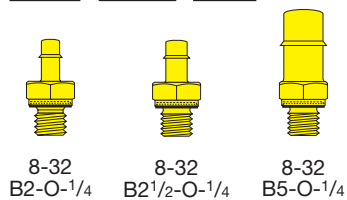
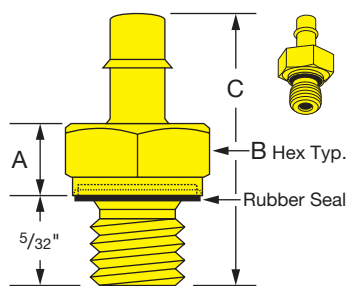
Note: Images are for visual representation only; not intended for dimensional measurements.
Dimensions may vary at time of manufacturing. Consult factory for details!

See page 65 for a list of O-Ring materials



8-32 Thread to Tube with Captive Rubber Gasket Installed

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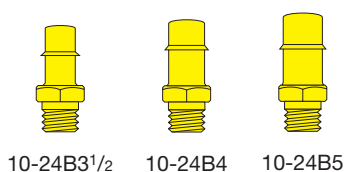
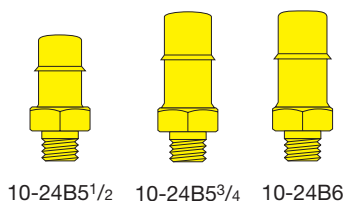
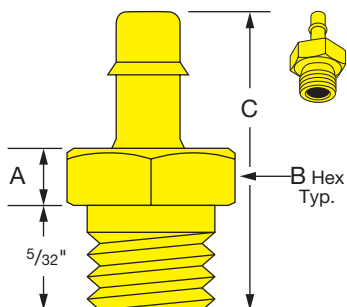


Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	8-32B.031-O-1/4	8-32B.031-O-1/4-SS	8-32B.031-O-1/4-316SS	8-32B.031-O-1/4-AL	8-32B.031-O-1/4-NP	1/8	1/4	7/16
.040 / 1mm	8-32B.040-O-1/4	8-32B.040-O-1/4-SS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

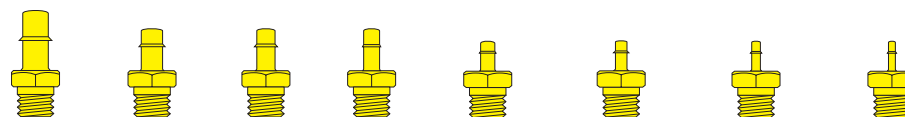


10-24 Thread to Tube with Fibre Gasket Supplied

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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	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	1/8	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	5/8
1/4	10-24B6	10-24B6-SS	10-24B6-316SS	10-24B6-AL	10-24B6-NP	1/8	5/16	5/8



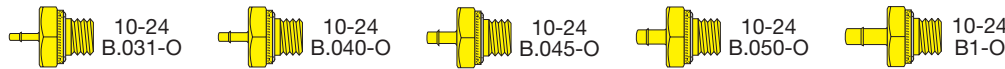
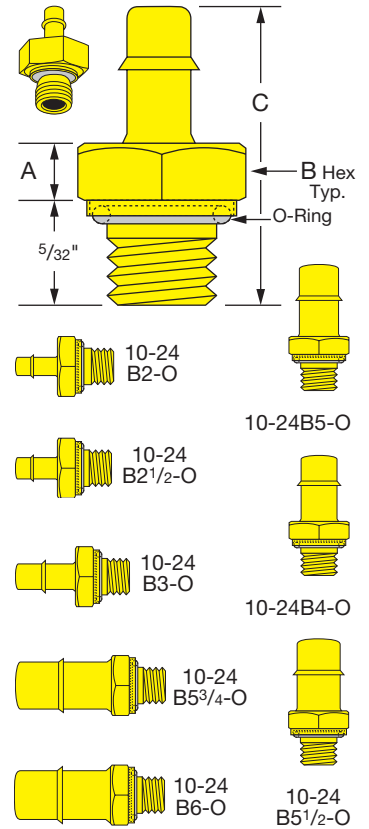
Larger branch sizes available! Square body fittings also available! Consult factory for details!

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

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

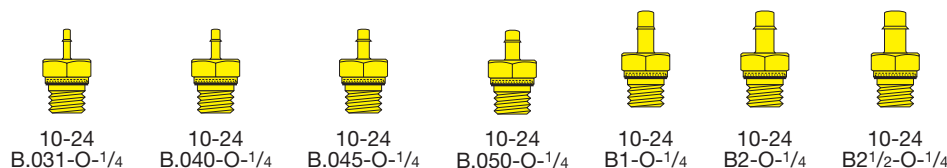
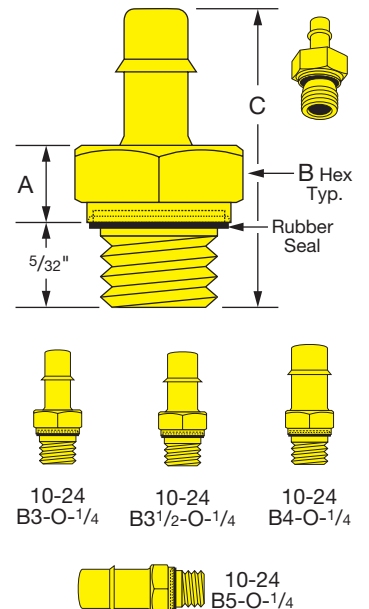
Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	10-24B.031-O	10-24B.031-O-SS	10-24B.031-O-316SS	10-24B.031-O-AL	10-24B.031-O-NP	1/8	5/16	7/16
.040 / 1mm	10-24B.040-O	10-24B.040-O-SS	10-24B.040-O-316SS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



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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	10-24B.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	10-24B.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	10-24B.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	10-24B.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

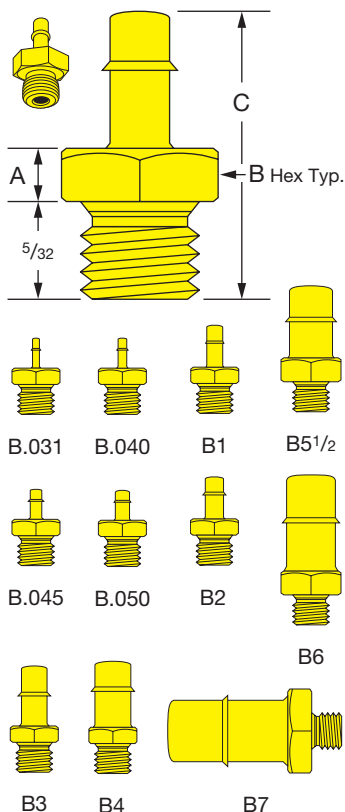


O-Ring and Gasket materials listed on page 65!



10-32 Thread to Tube with Fibre Gasket Supplied

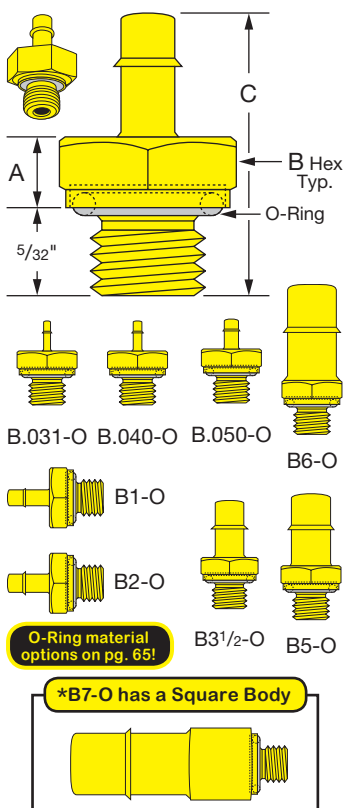
86



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	.085	⁵ / ₁₆	⁵ / ₈
¹ / ₄	B6	B6-SS	B6-316SS	B6-AL	B6-NP	¹ / ₈	⁵ / ₁₆	⁵ / ₈
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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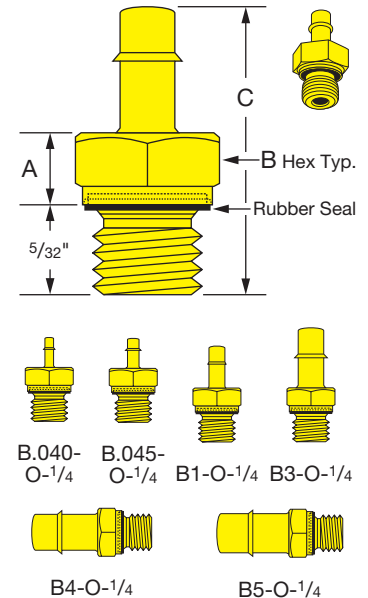
Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
¹ / ₃₂	B.031-O	B.031-O-SS	B.031-O-316SS	B.031-O-AL	B.031-O-NP	¹ / ₈	⁵ / ₁₆	⁷ / ₁₆
.040 / 1mm	B.040-O	B.040-O-SS	B.040-O-316SS	B.040-O-AL	B.040-O-NP	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	¹ / ₈	⁷ / ₁₆	¹ / ₂

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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	21/32

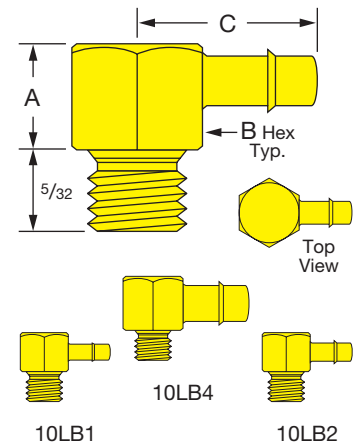
Note: Images are for visual representation only; not intended for dimensional measurements.



89

10-32 Thread to Tube Elbows with Fibre Gasket Supplied

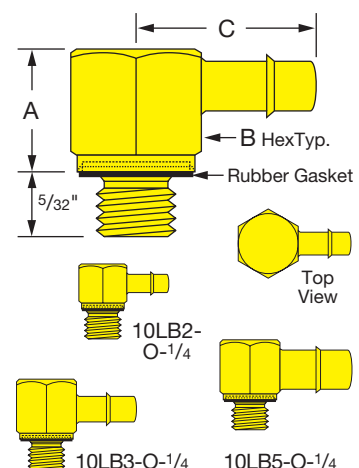
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	10LB1	10LB1-SS	10LB1-316SS	10LB1-NP	13/64	1/4	11/32
5/64 / 2mm	10LB2	10LB2-SS	10LB2-316SS	10LB2-NP	13/64	1/4	11/32
3/32	10LB2 1/2	10LB2 1/2-SS	10LB2 1/2-316SS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



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

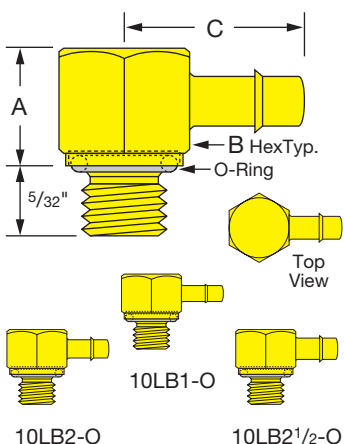
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	10LB1-O-1/4	10LB1-O-1/4-SS	10LB1-O-1/4-316SS	10LB1-O-1/4-NP	15/64	1/4	11/32
5/64 / 2mm	10LB2-O-1/4	10LB2-O-1/4-SS	10LB2-O-1/4-316SS	10LB2-O-1/4-NP	15/64	1/4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





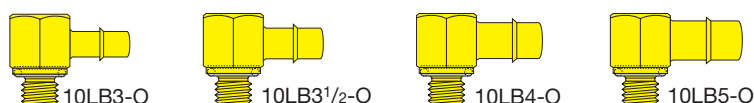
10-32 Thread to Tube Elbows with O-Ring Seal Installed

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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.
1/16	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

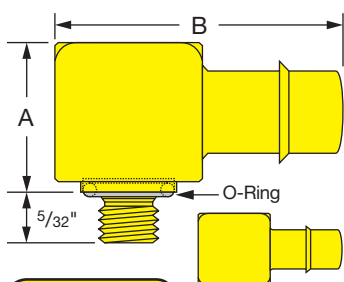
O-Ring material options listed on page 65!



Smaller branch sizes available! Consult factory!

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

92



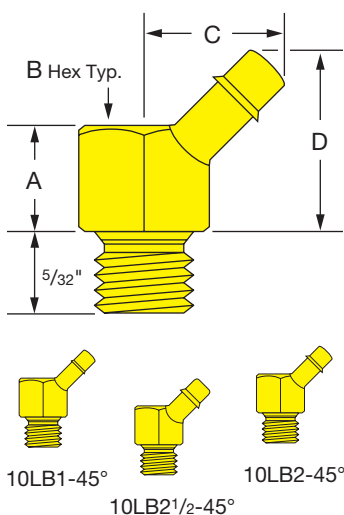
Tube ID	Part Numbers				Dimensions (Reference)	
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.
7/32	10LB5 1/2-O	10LB5 1/2-O-SS	10LB5 1/2-O-316SS	10LB5 1/2-O-NP	3/8	13/16
6mm	10LB5 3/4-O	10LB5 3/4-O-SS	10LB5 3/4-O-316SS	10LB5 3/4-O-NP	3/8	7/8
1/4	10LB6-O	10LB6-O-SS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

O-Ring options on page 65!

Note: 10-32 Thread to Tube Elbows with tube ID's of 7/32 or more are only available with Square Bodies.

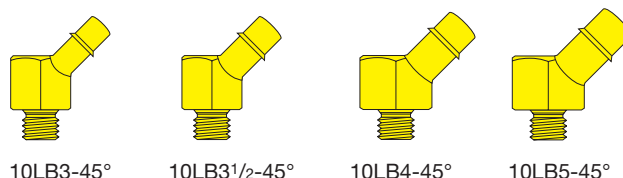
10-32 Thread to Tube 45° Elbows with Fibre Gasket Supplied

93

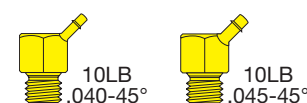


Tube ID	Part Numbers				Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/16	10LB1-45°	10LB1-45°-SS	10LB1-45°-316SS	10LB1-45°-NP	13/64	1/4	.270	.343
5/64 / 2mm	10LB2-45°	10LB2-45°-SS	10LB2-45°-316SS	10LB2-45°-NP	13/64	1/4	.269	.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

Dimensions listed may vary at time of manufacturing. Consult factory for details!



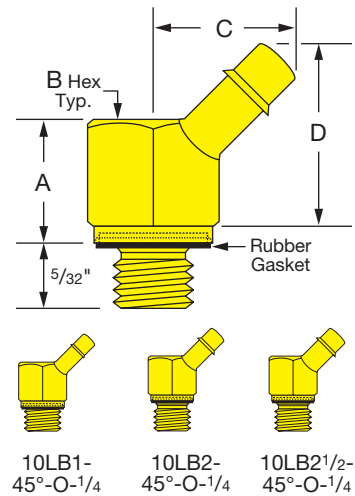
Smaller branch sizes available! Consult factory!



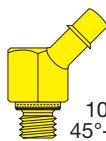
94

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

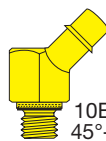
Tube ID	Part Numbers				Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/16	10LB1-45°-O-1/4	10LB1-45°-O-1/4-SS	10LB1-45°-O-1/4-316SS	10LB1-45°-O-1/4-NP	15/64	1/4	.270	.343
5/64 / 2mm	10LB2-45°-O-1/4	10LB2-45°-O-1/4-SS	10LB2-45°-O-1/4-316SS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



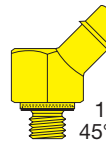
Smaller branch sizes available! Consult factory for details!



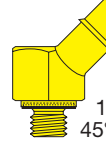
10B3-45°-O-1/4



10B3 1/2-45°-O-1/4



10B4-45°-O-1/4



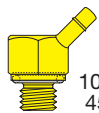
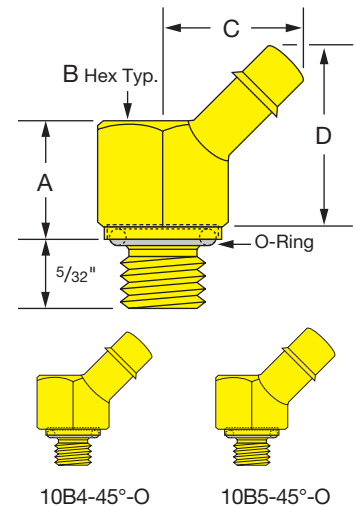
10B5-45°-O-1/4

Dimensions listed may vary at time of manufacturing. Consult factory for details!

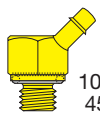
95

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

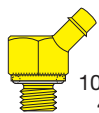
Tube ID	Part Numbers				Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/16	10LB1-45°-O	10LB1-45°-O-SS	10LB1-45°-O-316SS	10LB1-45°-O-NP	15/64	5/16	.270	.343
5/64 / 2mm	10LB2-45°-O	10LB2-45°-O-SS	10LB2-45°-O-316SS	10LB2-45°-O-NP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



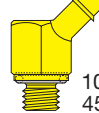
10LB1-45°-O



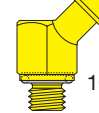
10LB2-45°-O



10LB2 1/2-45°-O



10B3-45°-O



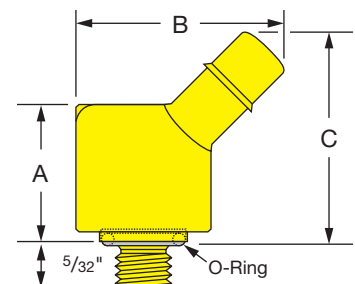
10B3 1/2-45°-O

O-Ring material options listed on page 65!

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	10LB5 1/2-45°-O	10LB5 1/2-45°-O-SS	10LB5 1/2-45°-O-316SS	10LB5 1/2-45°-O-NP	3/8	Consult Factory	Consult Factory
6mm	10LB5 3/4-45°-O	10LB5 3/4-45°-O-SS	10LB5 3/4-45°-O-316SS	10LB5 3/4-45°-O-NP	3/8	Consult Factory	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



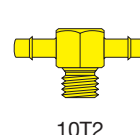
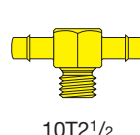
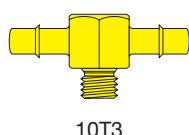
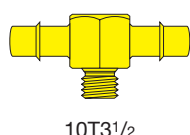
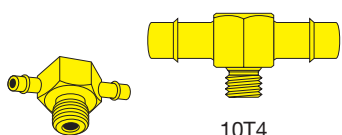
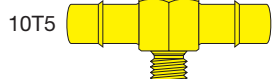
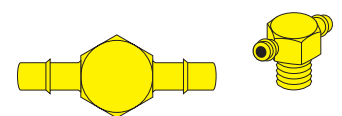
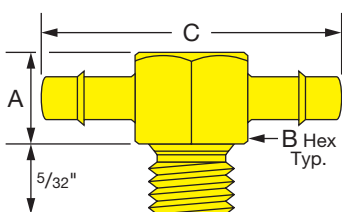
10-32 Thread to Tube 45° Elbows with tube ID's of 7/32 or more are only available with Square Bodies.

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



10-32 Thread to Tube Tees with Fibre Gasket Supplied

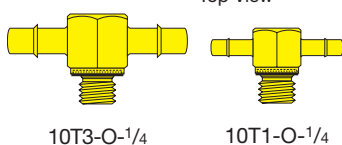
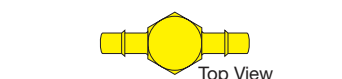
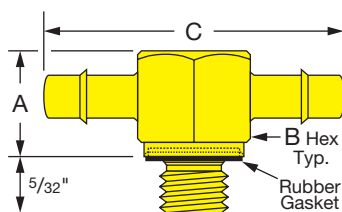
97



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

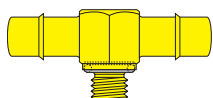
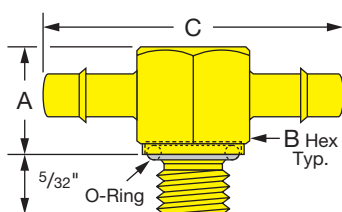


10T1-O-1/4

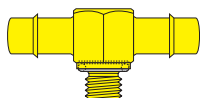
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	10T1-O-1/4	10T1-O-1/4-SS	10T1-O-1/4-316SS	10T1-O-1/4-NP	15/64	1/4	1 1/16
5/64 / 2mm	10T2-O-1/4	10T2-O-1/4-SS	10T2-O-1/4-316SS	10T2-O-1/4-NP	15/64	1/4	1 1/16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

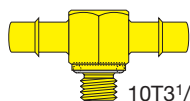
99



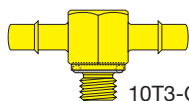
10T5-O



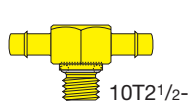
10T4-O



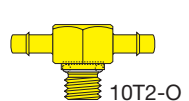
10T3 1/2-O



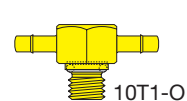
10T3-O



10T2 1/2-O



10T2-O



10T1-O

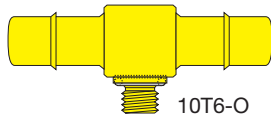
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	10T1-O	10T1-O-SS	10T1-O-316SS	10T1-O-NP	15/64	5/16	3/4
5/64 / 2mm	10T2-O	10T2-O-SS	10T2-O-316SS	10T2-O-NP	15/64	5/16	3/4
3/32	10T2 1/2-O	10T2 1/2-O-SS	10T2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

O-Ring
material
options on
page 65!

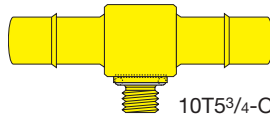
100

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

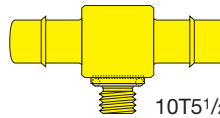
Tube ID	Part Numbers				Dimensions (Reference)	
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Ref.
7/32	10T5 ¹ / ₂ -O	10T5 ¹ / ₂ -O-SS	10T5 ¹ / ₂ -O-316SS	10T5 ¹ / ₂ -O-NP	3/8	1 1/4
6mm	10T5 ³ / ₄ -O	10T5 ³ / ₄ -O-SS	10T5 ³ / ₄ -O-316SS	10T5 ³ / ₄ -O-NP	3/8	1 3/8
1/4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



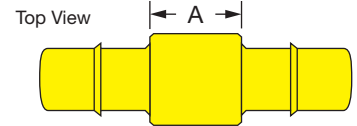
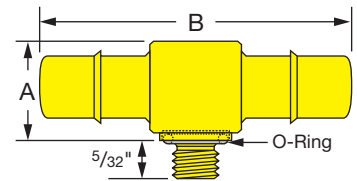
10T6-O



10T5³/₄-O



10T5¹/₂-O



Top View

Note: 10-32 Thread to Tube Tees with tube ID's of 7/32 or more are only available with Square Bodies.

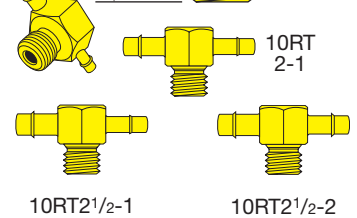
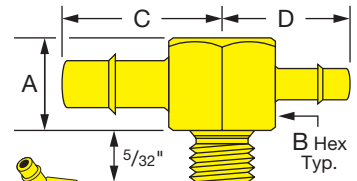
O-Ring material options listed on page 65!

101

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

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



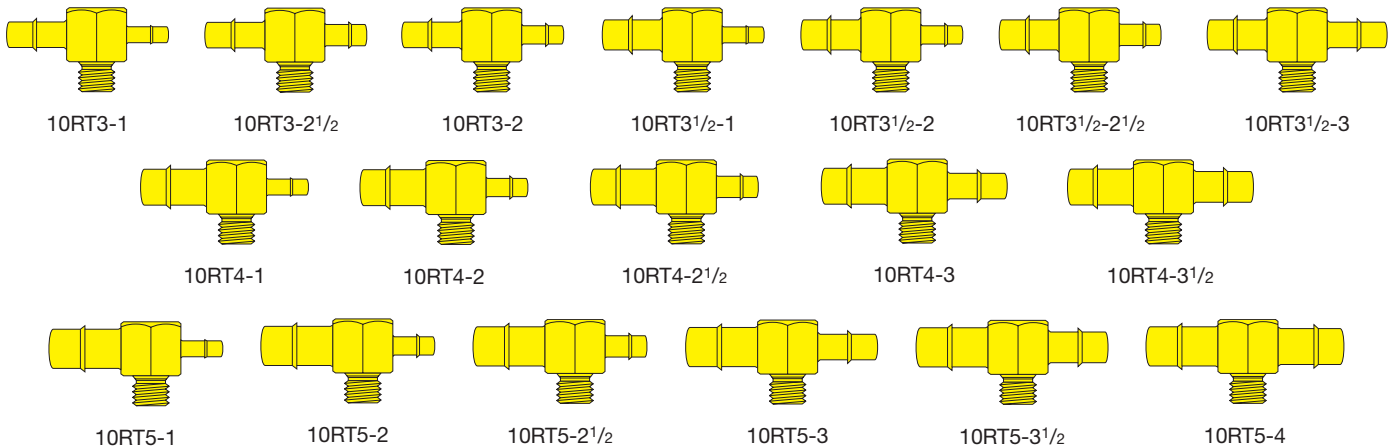
Part Numbers for 10-32 Thread to Tube Reducing Tees with Fibre Gasket Supplied:

Thread Size → **10** → **RT** → **#** - **#** → Smaller Branch Number
 Fitting Series → Larger Branch Number
 Ex: 10RT4-2

Example Part number:

10RT4-2-NP

10-32 Male Thread Reducing Tee
 #4 = Larger Branch; #2 = Smaller Branch
 Material: Electroless Nickel Plate



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

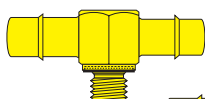
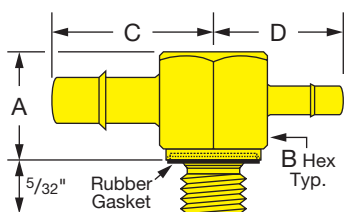
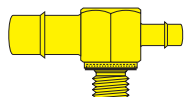
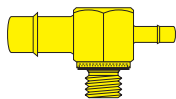
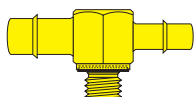
-316SS = Stainless Steel 316

-NP = Electroless Nickel Plate



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

102

10RT
5-4-O-1/410RT5-
2 1/2-O-1/410RT
4-1-O-1/4

10RT4-3-O-1/4

Example Part #: **10RT4-2-O-1/4**
 10-32 Male Thread Reducing Tee;
 #4 = Larger Branch Number;
 #2 = Smaller Branch Number;
 Gasket Seal; Material: Brass

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

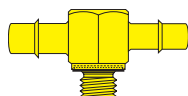
Smaller Branch		Dimensions (Reference)
Tube ID	Branch Number	D Ref.
1/16	1	11/16
5/64 / 2mm	2	11/16
3/32	2 1/2	11/32
1/8	3	15/32
5/32 / 4mm	3 1/2	15/32
.170	4	1/2

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

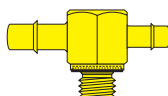
Thread Size → **10** → **RT** → # → - → # → - → **O-1/4** ← Rubber Gasket Indicator

Fitting Series Larger Branch # Smaller Branch #

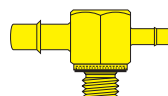
Ex: 10RT4-2-O-1/4



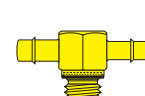
10RT3 1/2-3-O-1/4



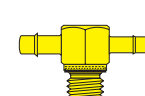
10RT3 2 1/2-O-1/4



10RT3 1-O-1/4



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



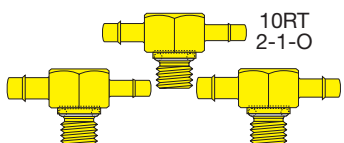
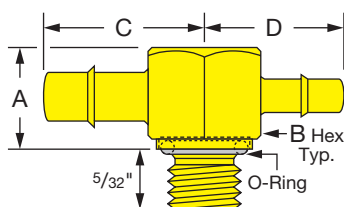
10RT2 1-O-1/4

Material options listed below!

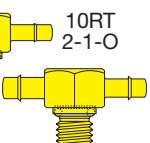
O-Ring & Gasket materials listed on page 65!

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

103



10RT2 1/2-1-O



10RT2 1/2-2-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

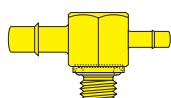
Example Part number:
10RT4-2-O-SS
 10-32 Male Thread Reducing Tee
 #4 = Larger Branch Number
 #2 = Smaller Branch Number
 O-Ring Seal
 Material: Stainless Steel 303

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

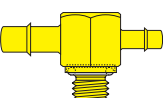
Thread Size → **10** → **RT** → # → - → # → - → **O** ← O-Ring Indicator

Fitting Series Larger Branch # Smaller Branch #

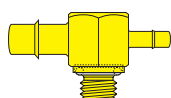
Ex: 10RT4-2-O



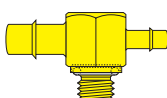
10RT3 1-O



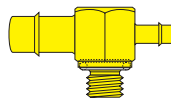
10RT3 2-O



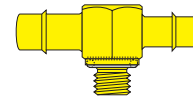
10RT3 1/2-1-O



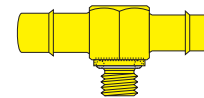
10RT3 1/2-2-O



10RT4 2-O



10RT4 3 1/2-O



10RT5 4-O

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

104

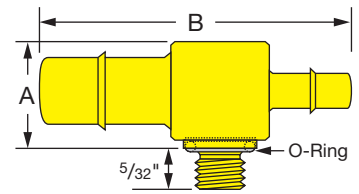
10-32 Thread to Tube Reducing Tees (Square Body) with O-Ring Seal Installed

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

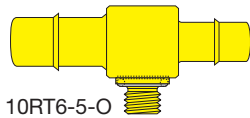
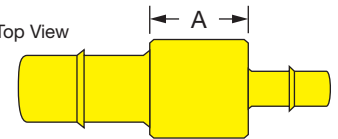
Smaller Branch		Dim. (Ref.)
Tube ID	Branch #	C Ref.
1/16	1	Consult Factory
5/64 / 2mm	2	Consult Factory
3/32	2 1/2	Consult Factory

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

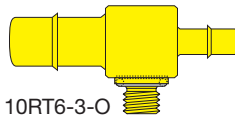
Smaller Branch		Dim. (Ref.)
Tube ID	Branch #	C Ref.
3/16	5	Consult Factory
7/32	5 1/2	Consult Factory
6mm	5 3/4	Consult Factory



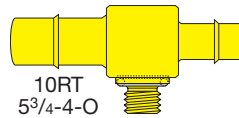
Top View



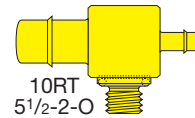
10RT6-5-O



10RT6-3-O



10RT
5 3/4-4-O



10RT
5 1/2-2-O

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



Example Part number:

10RT6-2-O-316SS
 10-32 Male Thread Reducing Tee
 #6 = Larger Branch #
 #2 = Smaller Branch #; O-Ring seal
 Material: Stainless Steel 316

Unless otherwise specified, parts will be Brass.

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

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

Note: 10-32 Thread to Tube Reducing Tees with tube ID's of 7/32 or more are available with Square Bodies only.

The standard material for
O-Ring & Gasket seals:
Buna-N

Other material options available:
**EPDM • Viton • Silicon
Teflon® • Aflas®**

NOTE:

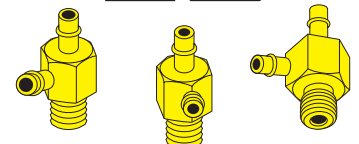
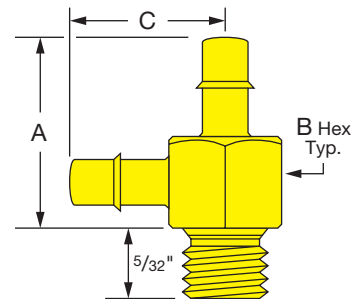
There is an additional cost for non-standard O-Ring and Gasket materials. Other material options are available for Gaskets & O-Rings! Example: Brass, Stainless Steel, or other compounds. Consult factory for details!

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

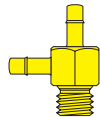
105

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

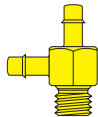
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	10LT1	10LT1-SS	10LT1-316SS	10LT1-NP	27/64	1/4	11/32
5/64 / 2mm	10LT2	10LT2-SS	10LT2-316SS	10LT2-NP	27/64	1/4	11/32
3/32	10LT2 1/2	10LT2 1/2-SS	10LT2 1/2-316SS	10LT2 1/2-NP	27/64	1/4	11/32
1/8	10LT3	10LT3-SS	10LT3-316SS	10LT3-NP	19/32	5/16	15/32
5/32 / 4mm	10LT3 1/2	10LT3 1/2-SS	10LT3 1/2-316SS	10LT3 1/2-NP	19/32	5/16	15/32
.170	10LT4	10LT4-SS	10LT4-316SS	10LT4-NP	5/8	5/16	1/2
3/16	10LT5	10LT5-SS	10LT5-316SS	10LT5-NP	21/32	5/16	17/32



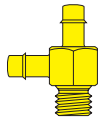
Note:
Images are for visual representation only. Dimensions may vary at time of manufacturing. Consult factory for details.



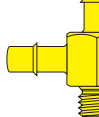
10LT1



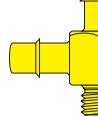
10LT2



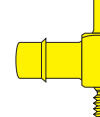
10LT2 1/2



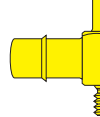
10LT3



10LT3 1/2



10LT4

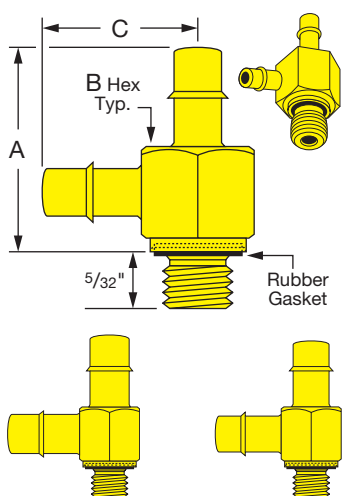


10LT5



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

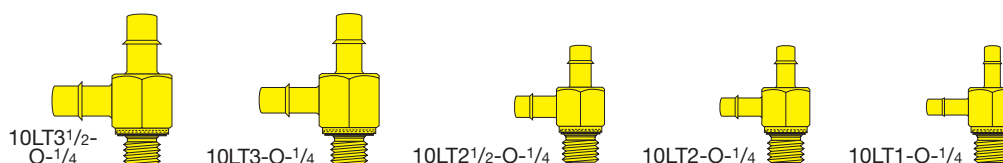
106



10LT5-O-1/4 10LT4-O-1/4

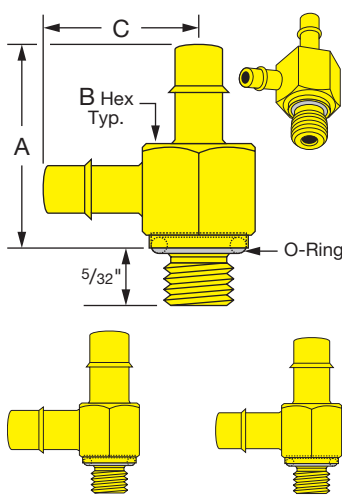
Gasket seal material options listed on page 65!

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	10LT1-O-1/4	10LT1-O-1/4-SS	10LT1-O-1/4-316SS	10LT1-O-1/4-NP	27/64	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	27/64	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	27/64	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
3/16	10LT5-O-1/4	10LT5-O-1/4-SS	10LT5-O-1/4-316SS	10LT5-O-1/4-NP	21/32	5/16	17/32



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

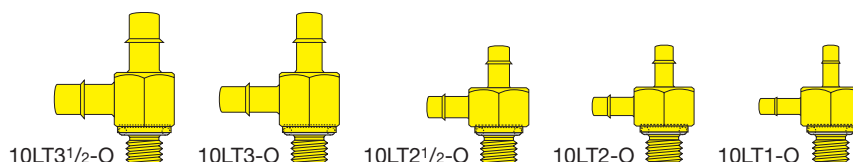
107



10LT5-O 10LT4-O

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

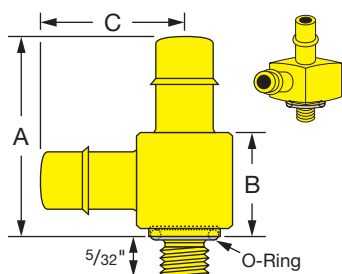
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	10LT1-O	10LT1-O-SS	10LT1-O-316SS	10LT1-O-NP	27/64	5/16	3/8
5/64 / 2mm	10LT2-O	10LT2-O-SS	10LT2-O-316SS	10LT2-O-NP	27/64	5/16	3/8
3/32	10LT2 1/2-O	10LT2 1/2-O-SS	10LT2 1/2-O-316SS	10LT2 1/2-O-NP	27/64	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
3/16	10LT5-O	10LT5-O-SS	10LT5-O-316SS	10LT5-O-NP	21/32	5/16	17/32



O-Ring material options listed on pg. 65.

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

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O-Ring material options on pg. 65!

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

10-32 Thread to Tube L-Tees with tube ID's of 7/32 or more are only available with Square Bodies.

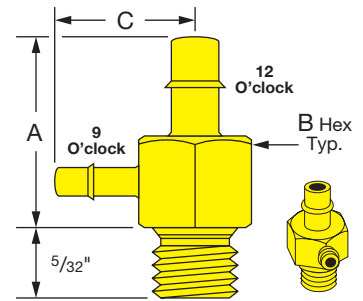
109

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		

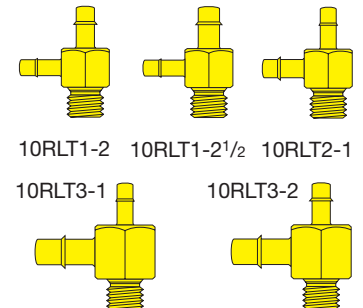
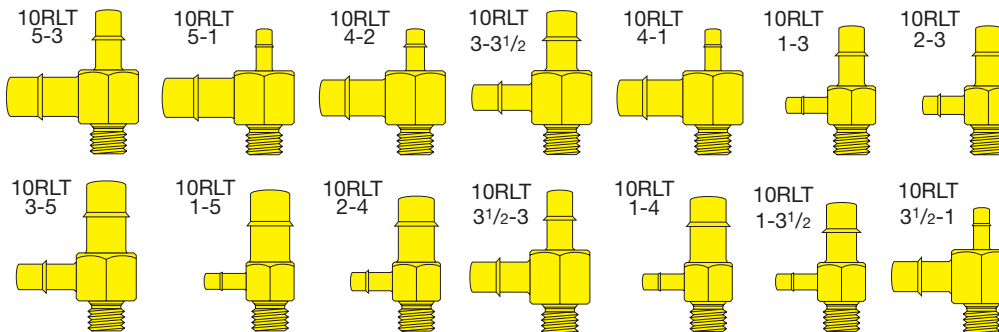
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
5/32 / 4mm	3 1/2	Consult Factory		
.170	4	Consult Factory		
3/16	5	Consult Factory		

Material options listed below!



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

Thread Size → **10** → **RLT** → # - # → 12 O'clock Branch #
 Fitting Series → 9 O'clock Branch #
 Ex: 10RLT4-2



Example Part Number:
10RLT4-2-316SS
 10-32 Male Thread Reducing L-Tee
 #4 = 9 O'clock Branch;
 #2 = 12 O'clock Branch;
 Material: Stainless Steel 316

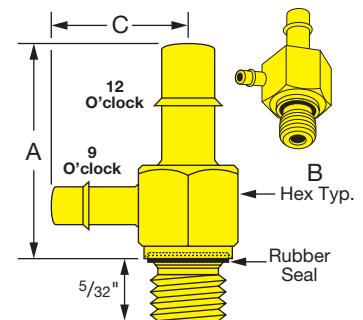
110

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		

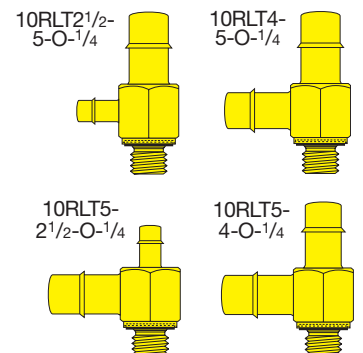
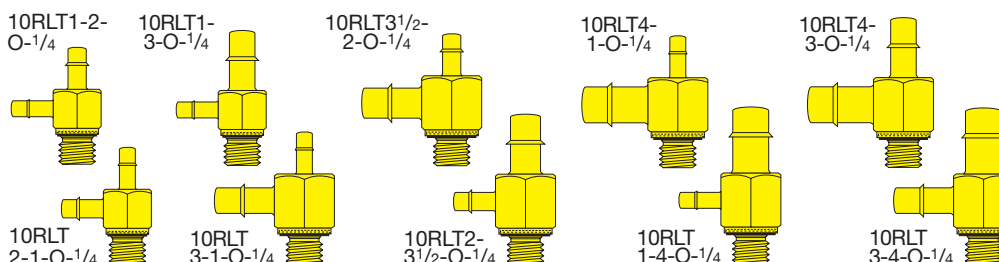
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
5/32 / 4mm	3 1/2	Consult Factory		
.170	4	Consult Factory		
3/16	5	Consult Factory		

Material options listed below!



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

Thread Size → **10** → **RLT** → # - # - **O-1/4** → Rubber Gasket Indicator
 Fitting Series → 9 O'clock Branch # → 12 O'clock Branch #



Example Part Number:
10RLT4-2-O-1/4
 10-32 Male Thread Reducing L-Tee
 #4 = 9 O'clock Branch;
 #2 = 12 O'clock Branch;
 Rubber Gasket; Material: Brass

Unless otherwise specified, parts will be Brass.

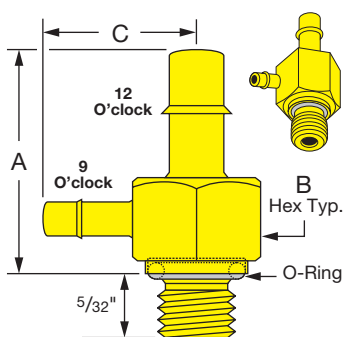
To order other materials, add the following codes to the end of the part number:

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



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

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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		

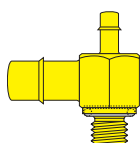
Material options listed below!

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

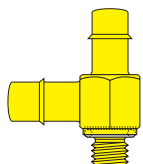


Example Part Number: 10RLT4-2-O-NP

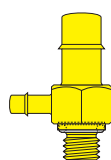
10-32 Male Thread Reducing L-Tee; #4 = 9 O'clock Branch; #2 = 12 O'clock Branch; O-Ring; Material: Nickel Plate



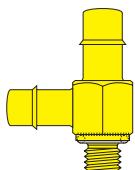
10RLT5-2-O



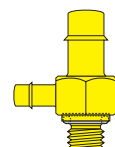
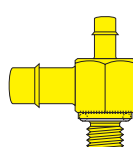
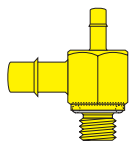
10RLT5-4-O



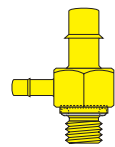
10RLT2-5-O



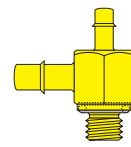
10RLT4-5-O

10RLT
2 1/2-4-O10RLT
4-2 1/2-O

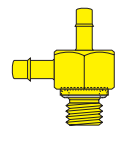
10RLT3 1/2-1-O



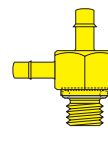
10RLT1-3 1/2-O



10RLT3-2-O



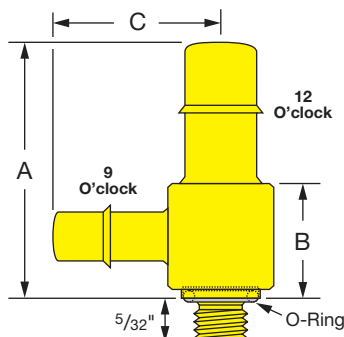
10RLT2-1-O



10RLT1-2-O

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

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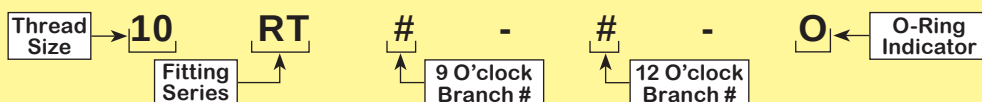
Larger Branch		Dimensions (Reference)	
Tube ID	Branch #	A Ref.	B Ref.
7/32	5 1/2	Consult Factory	
6mm	5 3/4	Consult Factory	
1/4	6	Consult Factory	

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

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

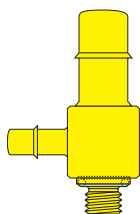
Smaller Branch		Dim. (Ref.)
Tube ID	Branch #	C Ref.
3/16	5	Consult Factory
7/32	5 1/2	Consult Factory
6mm	5 3/4	Consult Factory

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

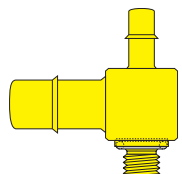


Example Part Number: 10RLT6-4-O-NP

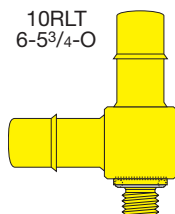
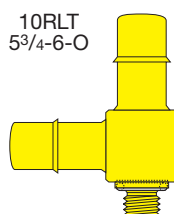
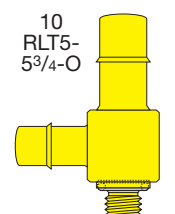
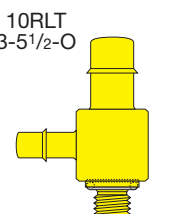
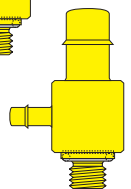
10-32 Male Thread Reducing L-Tee; #6 = 9 O'clock Branch; #4 = 12 O'clock Branch; O-Ring; Material: Nickel Plate



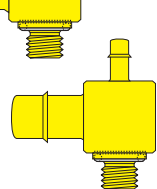
10RLT3-6-O



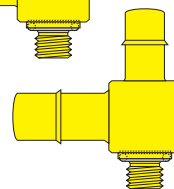
10RLT6-3-O

10RLT
6-5 3/4-O10RLT
5 3/4-6-O10
RLT5-
5 3/4-O10RLT
3-5 1/2-O

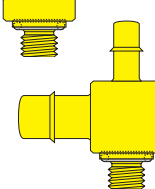
10RLT2-5 1/2-O



10RLT5 1/2-2-O



10RLT5 3/4-5-O



10RLT5 1/2-3-O

Unless otherwise specified, parts will be Brass.

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

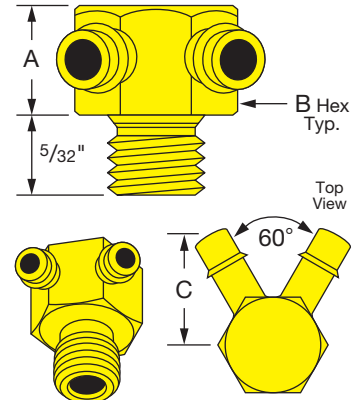
- SS = Stainless Steel 303
- 316SS = Stainless Steel 316
- NP = Electroless Nickel Plate

O-Ring material options listed on page 65!

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

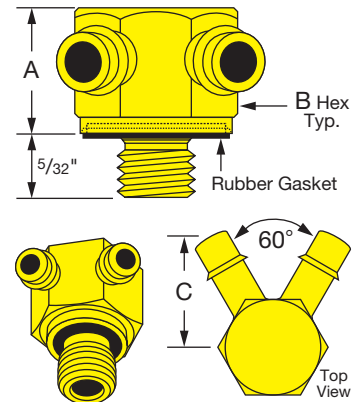
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	10VT1	10VT1-SS	10VT1-316SS	10VT1-NP	13/64	1/4	Consult Factory Consult Factory
5/64 / 2mm	10VT2	10VT2-SS	10VT2-316SS	10VT2-NP	13/64	1/4	
3/32	10VT2 1/2	10VT2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



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

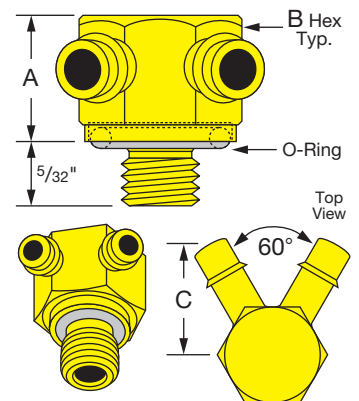
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	10VT1-O-1/4	10VT1-SS-O-1/4	10VT1-O-1/4-316SS	10VT1-O-1/4-NP	15/64	1/4	Consult Factory Consult Factory
5/64 / 2mm	10VT2-O-1/4	10VT2-SS-O-1/4	10VT2-O-1/4-316SS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



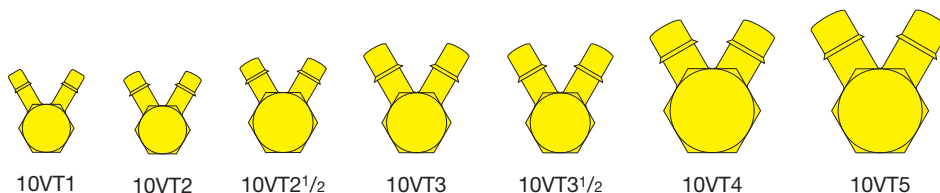
115

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 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	3/8	
.170	10VT4-O	10VT4-O-SS	10VT4-O-316SS	10VT4-O-NP	5/16	3/8	
3/16	10VT5-O	10VT5-O-SS	10VT5-O-316SS	10VT5-O-NP	5/16	7/16	



O-Ring material options listed on page 65.



10VT1

10VT2

10VT2 1/2

10VT3

10VT3 1/2

10VT4

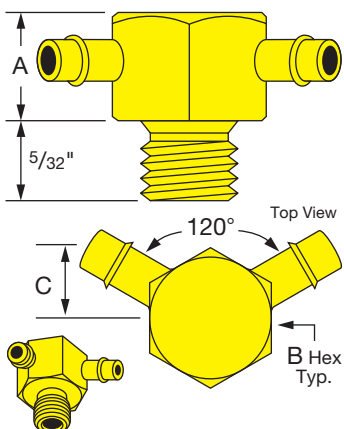
10VT5

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



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

116



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		

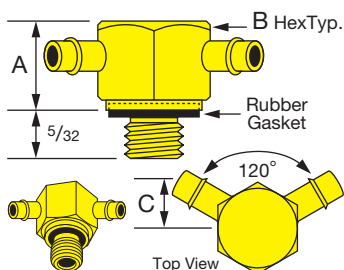
Material options listed below!

Part Numbers for 10-32 Thread to Tube 120° V-Tees with Fibre Gasket Supplied:

Thread Size → **10** **VT** # - **120°** ← Angle of Branches
 Fitting Series Branch Number
 Ex: 10VT4-120°

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

117



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		

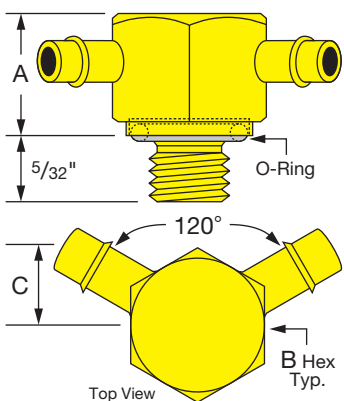
Material options listed below!

Part Numbers for 10-32 Thread to Tube 120° V-Tees with Fibre Gasket Supplied:

Thread Size → **10** **VT** # - **120°** - **O-1/4** ← Rubber Gasket Indicator
 Fitting Series Branch Number Angle of Branches
 Ex: 10VT4-120°-O-1/4

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

118



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!

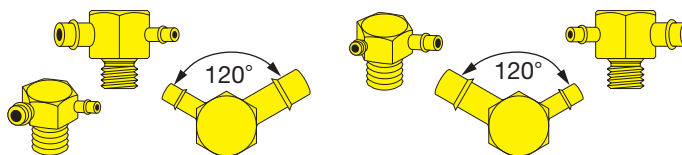
Part Numbers for 10-32 Thread to Tube 120° V-Tees with Fibre Gasket Supplied:

Thread Size → **10** **VT** # - **120°** - **O** ← O-Ring Indicator
 Fitting Series Branch Number Angle of Branches
 Ex: 10VT4-120°-O

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

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

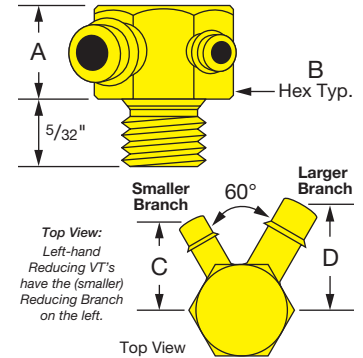
Reducing options also available!
 Consult factory for details!



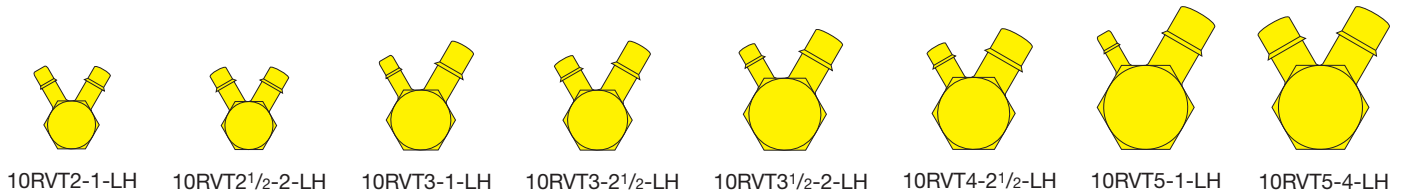
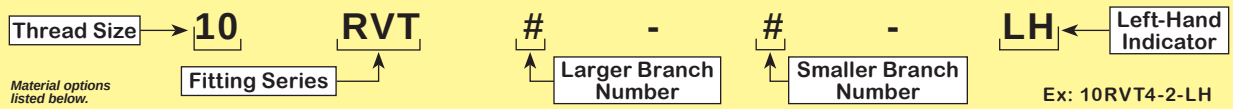
119 10-32 Thread to Tube Reducing Left-Hand V-Tees with Fibre Gasket Supplied

Larger Branch		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
5/64 / 2mm	2	15/64	1/4	Consult Factory
3/32	2 1/2	15/64	1/4	
1/8	3	5/16	5/16	
5/32 / 4mm	3 1/2	5/16	3/8	
.170	4	5/16	3/8	
3/16	5	5/16	7/16	Consult Factory

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



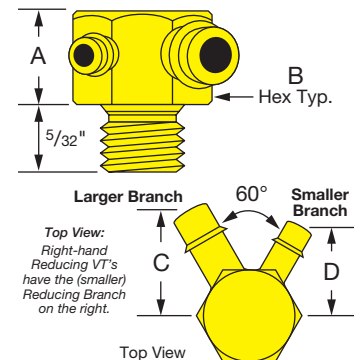
Part Numbers for 10-32 Thread to Tube Reducing Left-Hand V-Tees with Fibre Gasket Supplied:



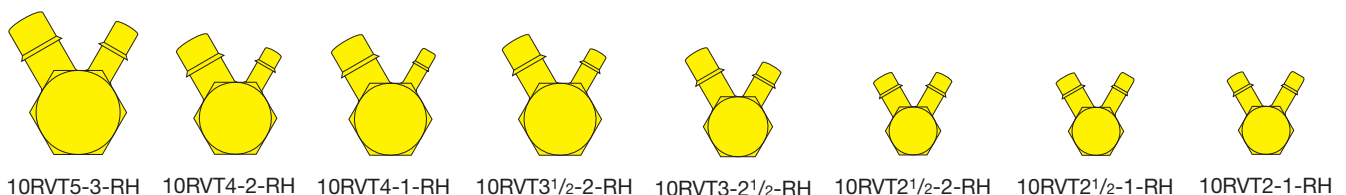
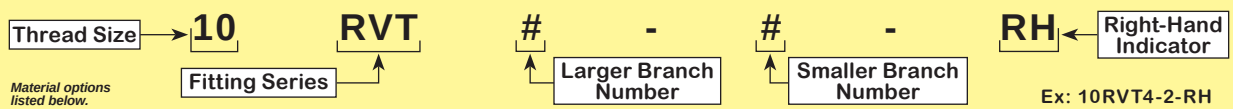
120 10-32 Thread to Tube Reducing Right-Hand V-Tees with Fibre Gasket Supplied

Larger Branch		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
5/64 / 2mm	2	13/64	1/4	Consult Factory
3/32	2 1/2	13/64	1/4	
1/8	3	9/32	5/16	
5/32 / 4mm	3 1/2	9/32	3/8	
.170	4	5/8	3/8	
3/16	5	9/32	7/16	Consult Factory

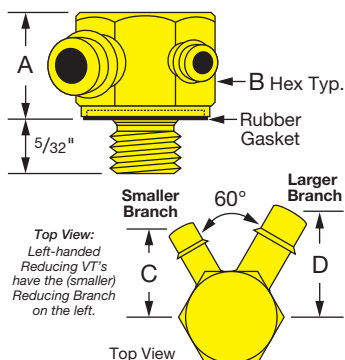
Smaller Branch		Dimensions (Reference)
Tube ID	Branch Number	D Ref.
1/16	1	Consult Factory
5/64 / 2mm	2	
3/32	2 1/2	
1/8	3	
5/32 / 4mm	3 1/2	
.170	4	Consult Factory



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



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

**10-32 Thread to Tube Reducing Left-Hand V-Tees with Captive Rubber Gasket Installed****121**

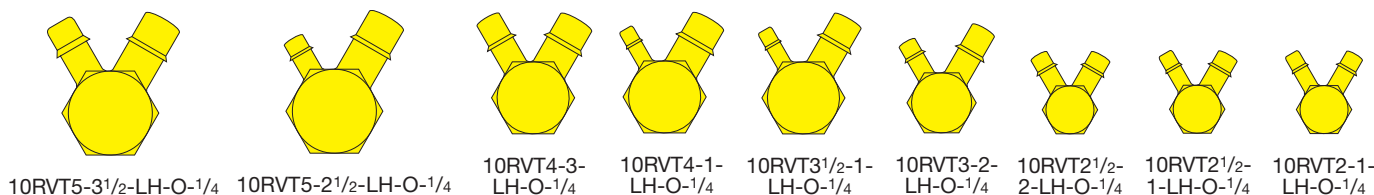
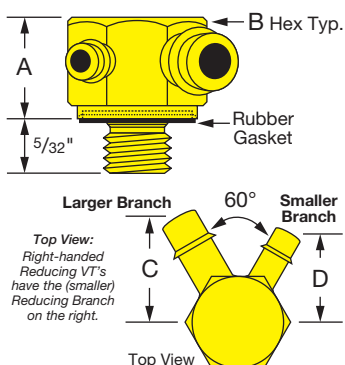
Larger Branch		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
5/64 / 2mm	2	15/64	1/4	Consult Factory
3/32	2 1/2	15/64	1/4	
1/8	3	5/16	5/16	
5/32 / 4mm	3 1/2	5/16	3/8	
.170	4	5/16	3/8	
3/16	5	5/16	7/16	Consult Factory

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

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

Thread Size → **10** Fitting Series → **RVT** # → **-** # → **-** **LH** - **O-1/4** Rubber Gasket Indicator

Ex: 10RVT4-2-LH-O-1/4

**10-32 Thread to Tube Reducing Right-Hand V-Tees with Captive Rubber Gasket Installed****122**

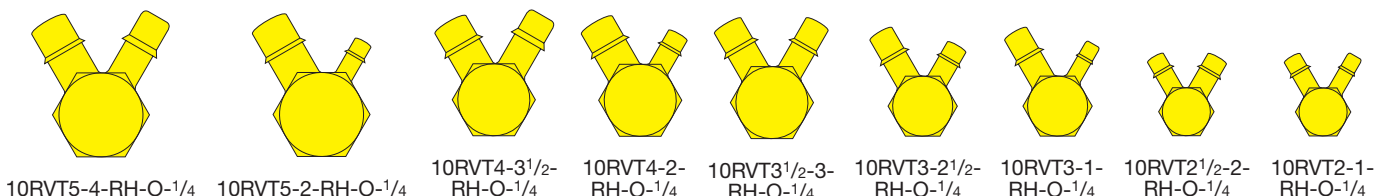
Larger Branch		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
5/64 / 2mm	2	15/64	1/4	Consult Factory
3/32	2 1/2	15/64	1/4	
1/8	3	5/16	5/16	
5/32 / 4mm	3 1/2	5/16	3/8	
.170	4	5/16	3/8	
3/16	5	5/16	7/16	Consult Factory

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

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

Thread Size → **10** Fitting Series → **RVT** # → **-** # → **-** **RH** - **O-1/4** Rubber Gasket Indicator

Ex: 10RVT4-2-RH-O-1/4



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

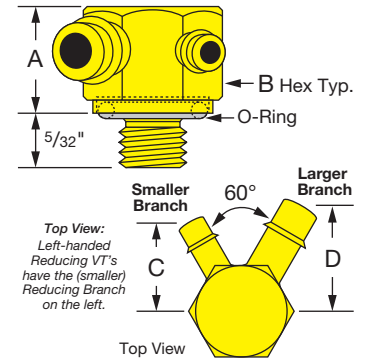
-SS = Stainless Steel 303**-316SS** = Stainless Steel 316**-NP** = Electroless Nickel Plate

123

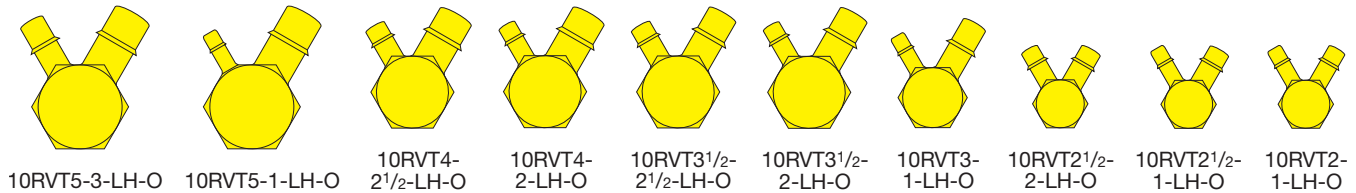
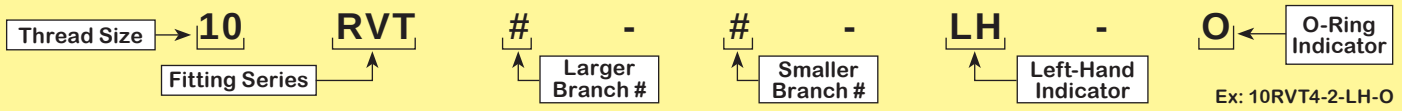
10-32 Thread to Tube Reducing Left-Hand V-Tees with O-Ring Seal Installed

Larger Branch		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
5/64 / 2mm	2	15/64	1/4	Consult Factory
3/32	2 1/2	15/64	1/4	
1/8	3	5/16	5/16	
5/32 / 4mm	3 1/2	5/16	3/8	
.170	4	5/16	3/8	
3/16	5	5/16	7/16	

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



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

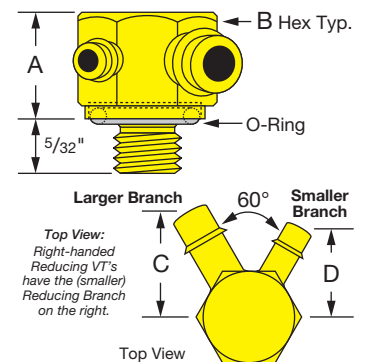


124

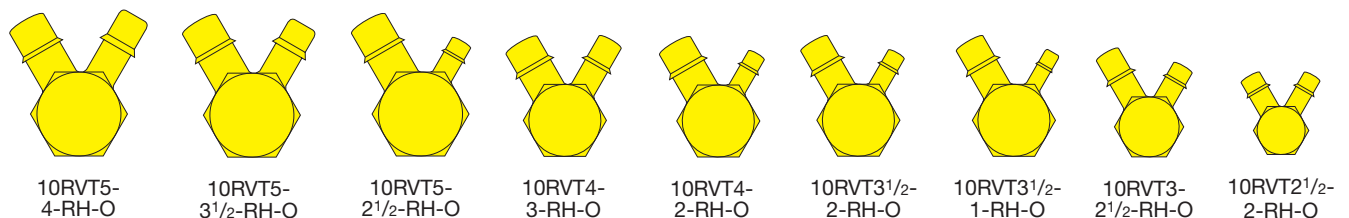
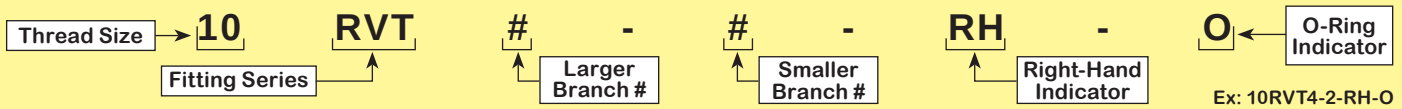
10-32 Thread to Tube Reducing Right-Hand V-Tees with O-Ring Seal Installed

Larger Branch		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
5/64 / 2mm	2	15/64	1/4	Consult Factory
3/32	2 1/2	15/64	1/4	
1/8	3	5/16	5/16	
5/32 / 4mm	3 1/2	5/16	3/8	
.170	4	5/16	3/8	
3/16	5	5/16	7/16	

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



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

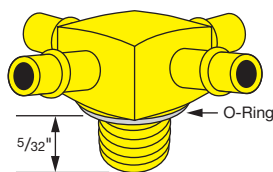
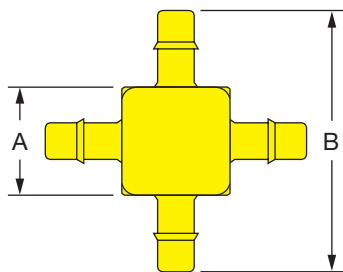


Unless otherwise specified, parts will be Brass. To order other materials, please add the following codes to the end of the part number:
 -SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

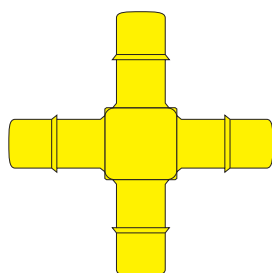


10-32 Thread to Tube Crosses with O-Ring Seal Installed

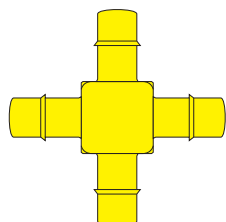
125



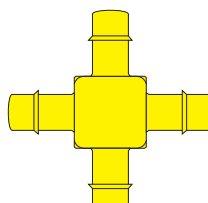
Tube ID	Part Numbers				Dimensions (Reference)	
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Ref.
1/16	10X1-O	10X1-O-SS	10X1-O-316SS	10X1-O-NP	3/8	13/16
5/64 / 2mm	10X2-O	10X2-O-SS	10X2-O-316SS	10X2-O-NP	3/8	13/16
3/32	10X2 1/2-O	10X2 1/2-O-SS	10X2 1/2-O-316SS	10X2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



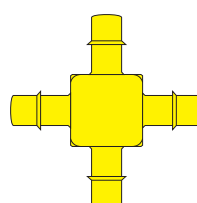
10X6-O



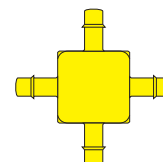
10X5-O



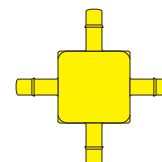
10X4-O



10X3 1/2-O



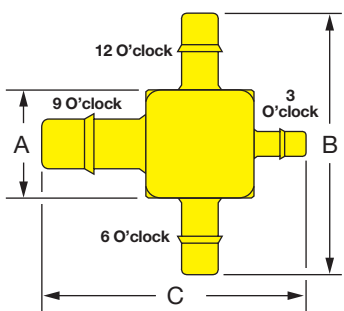
10X2-O



10X1-O

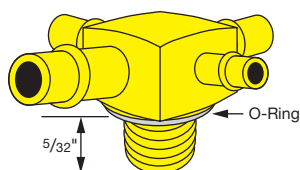
10-32 Thread to Tube Reducing Crosses with O-Ring Seal Installed

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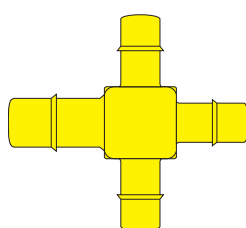


Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Ref.	C Ref.
1/16	1	3/8	Consult Factory	
5/64 / 2mm	2	3/8	Consult Factory	
3/32	2 1/2	3/8	Consult Factory	
1/8	3	3/8	Consult Factory	
5/32 / 4mm	3 1/2	3/8	Consult Factory	

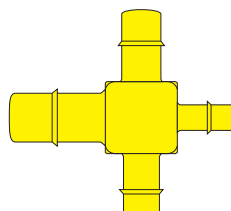
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Ref.	C Ref.
.170	4	3/8	Consult Factory	
3/16	5	3/8	Consult Factory	
7/32	5 1/2	3/8	Consult Factory	
6mm	5 3/4	3/8	Consult Factory	
1/4	6	3/8	Consult Factory	



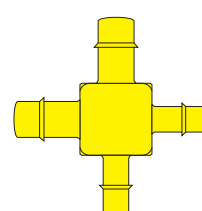
Material options listed on next page!



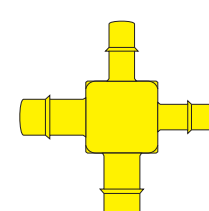
10RX6-5-5-5-O



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 #			

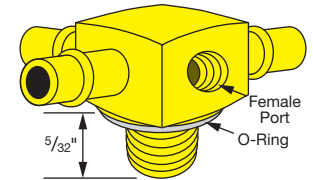
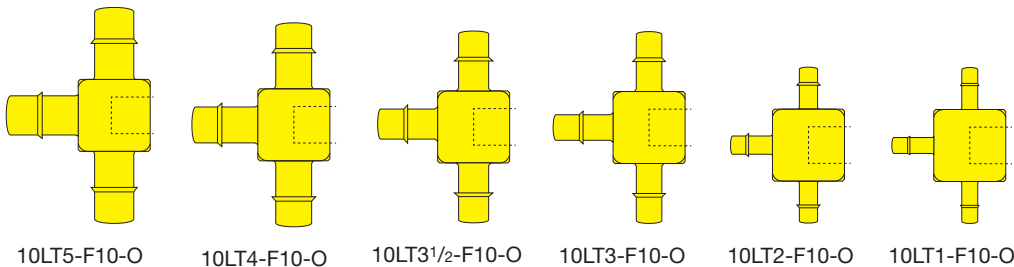
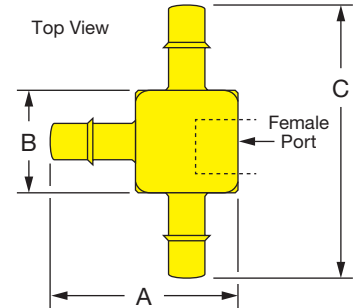
Ex: 10RX4-2-4-2-O

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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 material options on pg. 65.

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

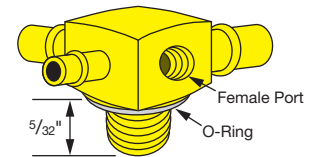
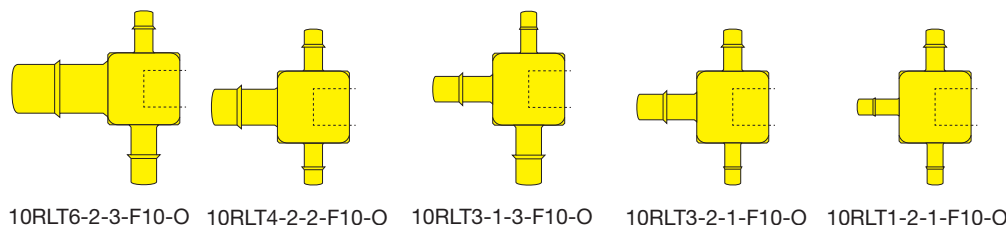
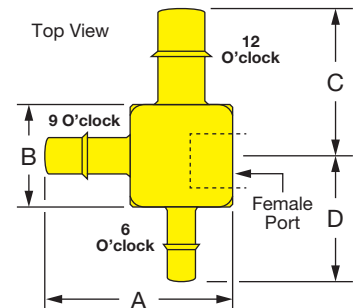
Thread Size → **10** **LT** # - **F10** - **O** ← O-Ring Indicator
 Fitting Series Branch Number Female Port Thread Size
 Ex: 10LT4-F10-O

128

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 1/2	1 1/2
5/32 / 4mm	3 1/2	1 1/16	3/8	1 1/2	1 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 material options on pg. 65.

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

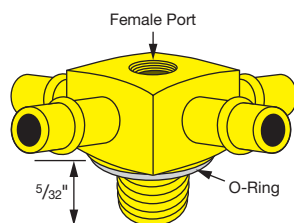
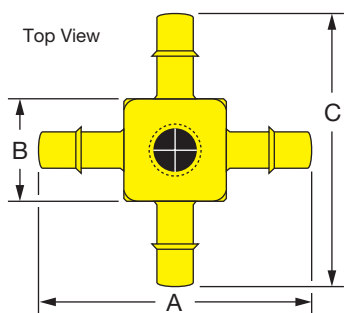
Thread Size → **10** **RLT** # - # - # - **F10** - **O** ← O-Ring Indicator
 Fitting Series 9 O'clock Branch # 12 O'clock Branch # 6 O'clock Branch # Female Port Thread Size
 Ex: 10RLT4-3-2-F10-O

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



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

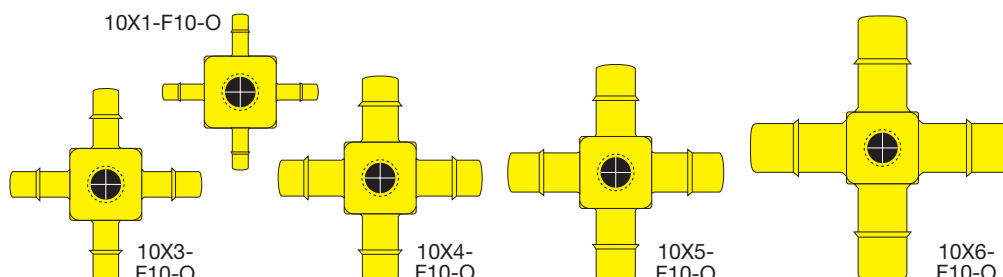
129



O-Ring material options on pg. 65.

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



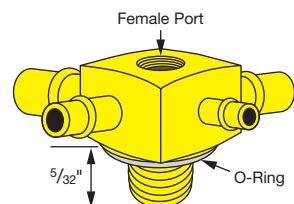
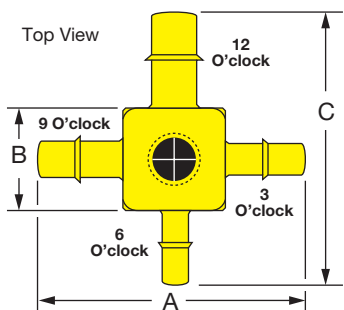
Part Numbers for 10-32 Thread to Tube Crosses with Female Port with O-Ring Installed:

Thread Size → **10** → **LT** → **#** → **-** → **F10** → **-** → **O** ← O-Ring Indicator

Fitting Series → Branch Number → Female Port Thread Size

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

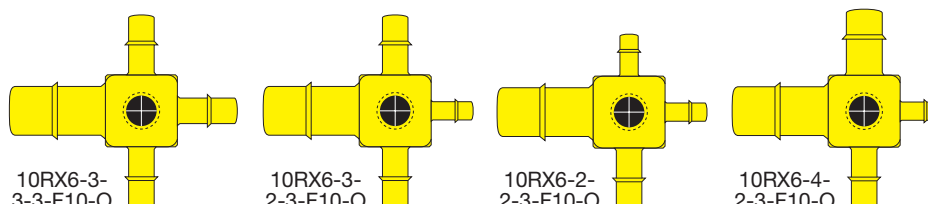
130



O-Ring material options on page 65.

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

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	Consult Factory
7/32	5 1/2	1 1/8	3/8	Consult Factory
6mm	5 3/4	1 3/8	3/8	Consult Factory
1/4	6	1 3/8	3/8	Consult Factory



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

Thread Size → **10** → **RX** → **#** → **-** → **#** → **-** → **#** → **-** → **#** → **-** → **F10** → **-** → **O** ← O-Ring Indicator

Fitting Series → 9 O'clock Branch # → 12 O'clock Branch # → 3 O'clock Branch # → 6 O'clock Branch # → Female Port Thread Size

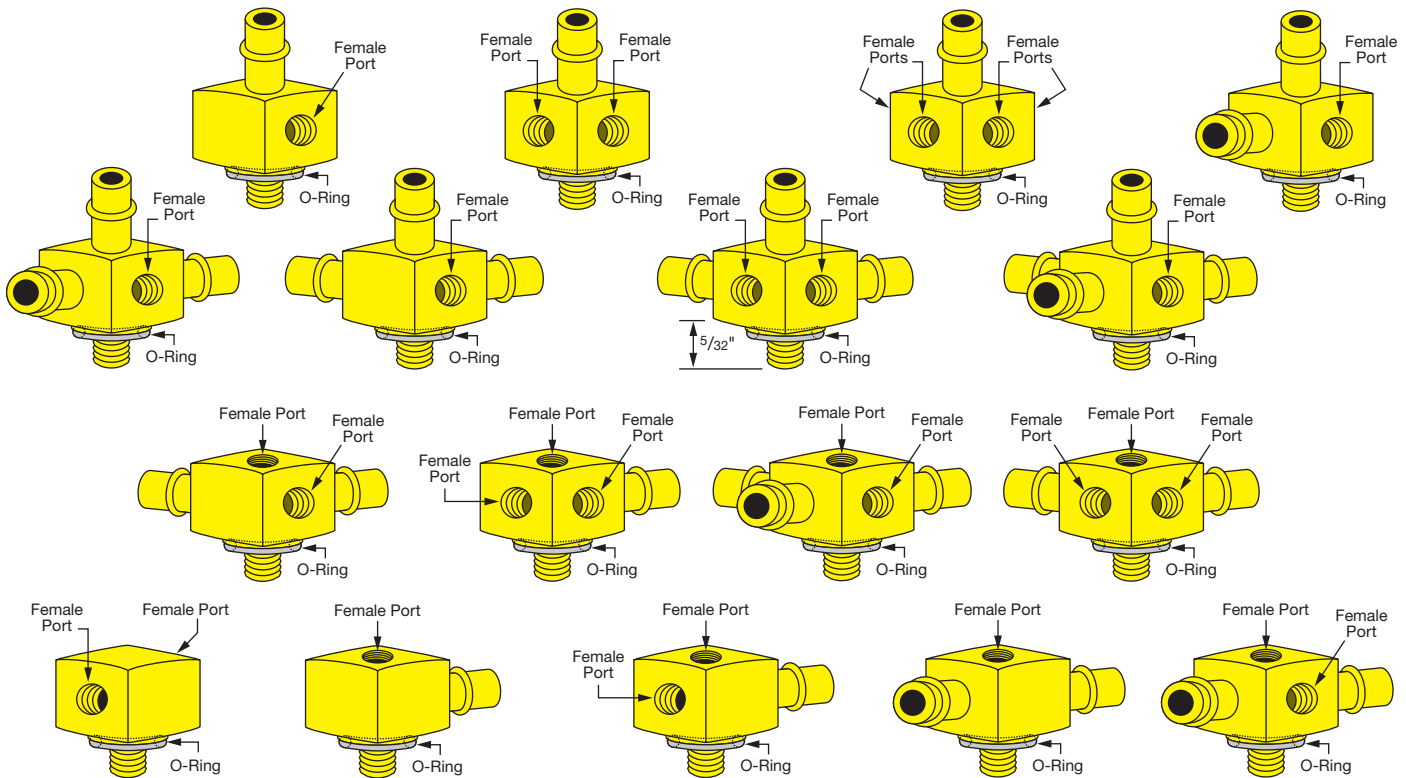
Unless otherwise specified, parts will be Brass. To order other materials, please add the following codes to the end of the part number:

-SS = Stainless Steel 303

-316SS = Stainless Steel 316

-NP = Electroless Nickel Plate

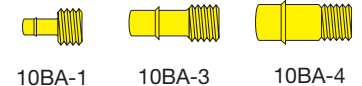
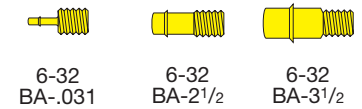
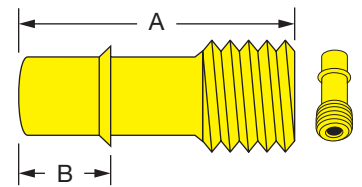
Custom 10-32 Thread to Tube Fittings with Female Ports & O-Ring Seal Installed



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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

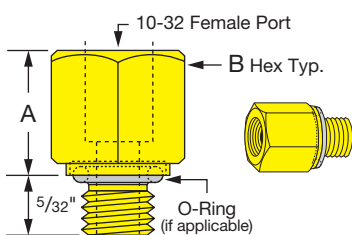
Longer branches available!
 Consult factory for details!

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



10-32 Thread to Female Extensions

132

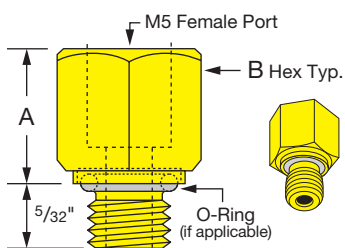


O-Ring material options on pg. 65!

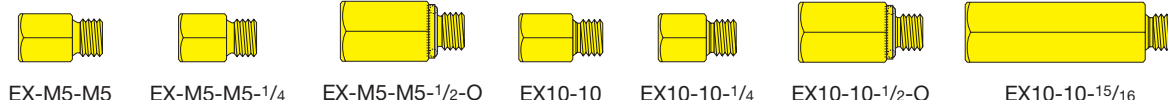
Type of Seal	Part Numbers					Dimensions (Reference)	
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.
Fibre Gasket (supplied)	EX10-10	EX10-10-SS	EX10-10-316SS	EX10-10-AL	EX10-10-NP	1 1/32	1/4
Fibre Gasket (supplied)	EX10-10-1/4	EX10-10-1/4-SS	EX10-10-1/4-316SS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

M5 Thread to Female Extensions

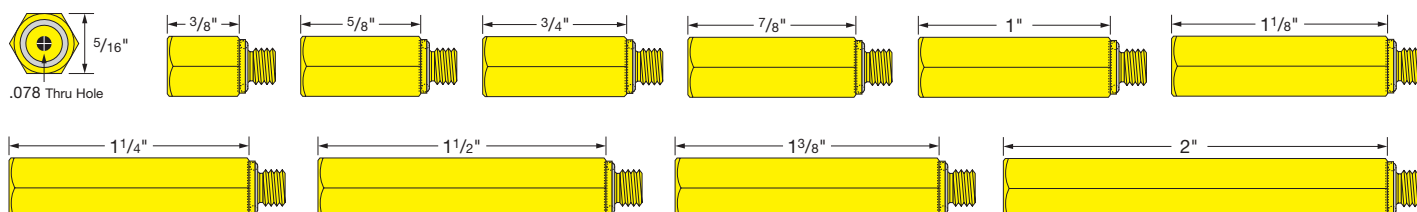
133



Other thread sizes available! Consult factory for details!

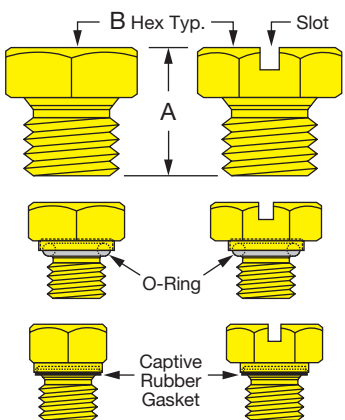


Other Male to Female Thread Extensions available! Consult factory for details!



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

134

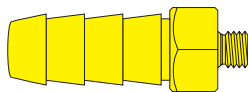
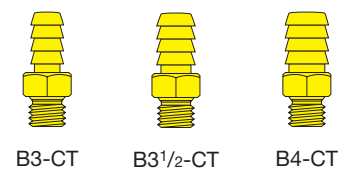
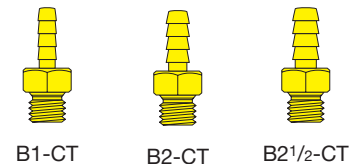
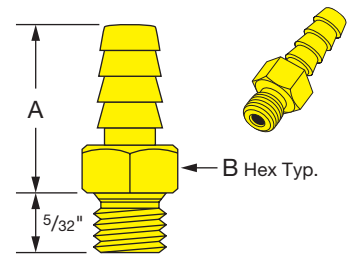


O-Ring & Gasket material options listed on page 65!

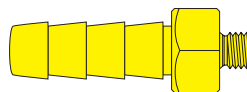
Type of Seal	Thread	Part Numbers				Dimensions (Reference)	
		Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.
Fibre Gasket	8-32	8-32-PLUG	8-32-PLUG-SS	8-32-PLUG-316SS	8-32-PLUG-NP	1/4	1/4
Fibre Gasket	10-32	10-PLUG	10-PLUG-SS	10-PLUG-316SS	10-PLUG-NP	1/4	1/4
O-Ring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

135 10-32 Thread to Tube Multiple Barb Fittings with Fibre or Buna-N Gasket Supplied

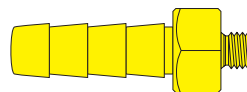
Tube ID	Part Numbers					Dimensions (Reference)	
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.
1/16	B1-CT	B1-CT-SS	B1-CT-316SS	B1-CT-AL	B1-CT-NP	.440	1/4
5/64 / 2mm	B2-CT	B2-CT-SS	B2-CT-316SS	B2-CT-AL	B2-CT-NP	.440	1/4
3/32	B2 1/2-CT	B2 1/2-CT-SS	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	1/4
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



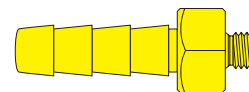
B7-CT



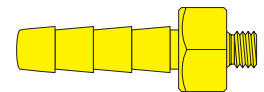
B6-CT



B5 3/4-CT



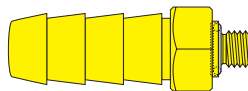
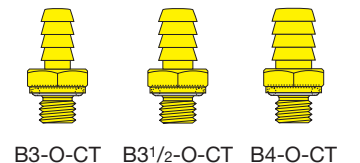
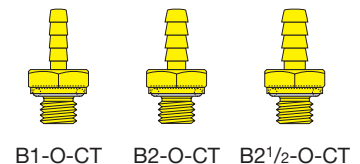
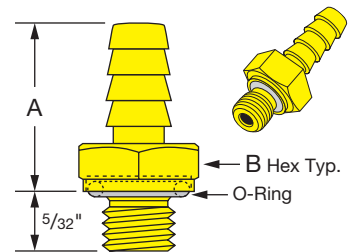
B5 1/2-CT



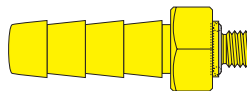
B5-CT

136 10-32 Thread to Tube Multiple Barb Fittings with O-Ring Installed

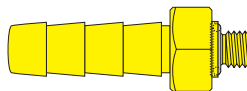
Tube ID	Part Numbers					Dimensions (Reference)	
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.
1/16	B1-O-CT	B1-O-CT-SS	B1-O-CT-316SS	B1-O-CT-AL	B1-O-CT-NP	.440	5/16
5/64 / 2mm	B2-O-CT	B2-O-CT-SS	B2-O-CT-316SS	B2-O-CT-AL	B2-O-CT-NP	.440	5/16
3/32	B2 1/2-O-CT	B2 1/2-O-CT-SS	B2 1/2-O-CT-316SS	B2 1/2-O-CT-AL	B2 1/2-O-CT-NP	.440	5/16
1/8	B3-O-CT	B3-O-CT-SS	B3-O-CT-316SS	B3-O-CT-AL	B3-O-CT-NP	.440	5/16
5/32 / 4mm	B3 1/2-O-CT	B3 1/2-O-CT-SS	B3 1/2-O-CT-316SS	B3 1/2-O-CT-AL	B3 1/2-O-CT-NP	.440	5/16
.170	B4-O-CT	B4-O-CT-SS	B4-O-CT-316SS	B4-O-CT-AL	B4-O-CT-NP	.440	5/16
3/16	B5-O-CT	B5-O-CT-SS	B5-O-CT-316SS	B5-O-CT-AL	B5-O-CT-NP	1 1/4	7/16
7/32	B5 1/2-O-CT	B5 1/2-O-CT-SS	B5 1/2-O-CT-316SS	B5 1/2-O-CT-AL	B5 1/2-O-CT-NP	1 1/4	7/16
6mm	B5 3/4-O-CT	B5 3/4-O-CT-SS	B5 3/4-O-CT-316SS	B5 3/4-O-CT-AL	B5 3/4-O-CT-NP	1 1/4	7/16
1/4	B6-O-CT	B6-O-CT-SS	B6-O-CT-316SS	B6-O-CT-AL	B6-O-CT-NP	1 1/4	7/16
5/16 / 8mm	B7-O-CT	B7-O-CT-SS	B7-O-CT-316SS	B7-O-CT-AL	B7-O-CT-NP	1 1/4	7/16



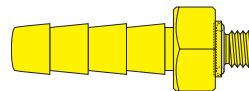
B7-O-CT



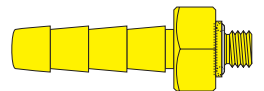
B6-O-CT



B5 3/4-O-CT



B5 1/2-O-CT



B5-O-CT

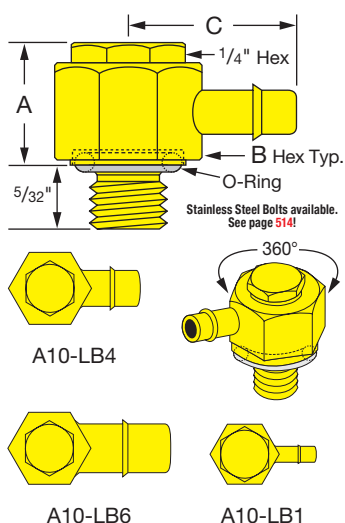
Other Multiple Barb Fittings available! Thread sizes & Tube ID's up to 2 inches!

Peak® fittings available upon request!



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

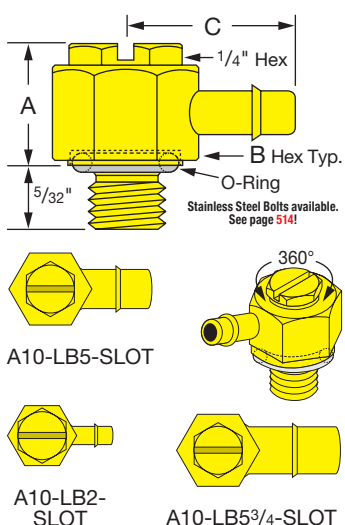
137



Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	A10-LB1	A10-LB1-SS	A10-LB1-316SS	A10-LB1-NP	1 1/32	5/16	25/64
5/64 / 2mm	A10-LB2	A10-LB2-SS	A10-LB2-316SS	A10-LB2-NP	1 1/32	5/16	25/64
3/32	A10-LB2 1/2	A10-LB2 1/2-SS	A10-LB2 1/2-316SS	A10-LB2 1/2-NP	1 1/32	5/16	25/64
1/8	A10-LB3	A10-LB3-SS	A10-LB3-316SS	A10-LB3-NP	1 1/32	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-NP	1 1/32	5/16	33/64
.170	A10-LB4	A10-LB4-SS	A10-LB4-316SS	A10-LB4-NP	27/64	3/8	9/16
3/16	A10-LB5	A10-LB5-SS	A10-LB5-316SS	A10-LB5-NP	27/64	3/8	19/32
7/32	A10-LB5 1/2	A10-LB5 1/2-SS	A10-LB5 1/2-316SS	A10-LB5 1/2-NP	Consult Factory		
6mm	A10-LB5 3/4	A10-LB5 3/4-SS	A10-LB5 3/4-316SS	A10-LB5 3/4-NP	Consult Factory		
1/4	A10-LB6	A10-LB6-SS	A10-LB6-316SS	A10-LB6-NP	Consult Factory		

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

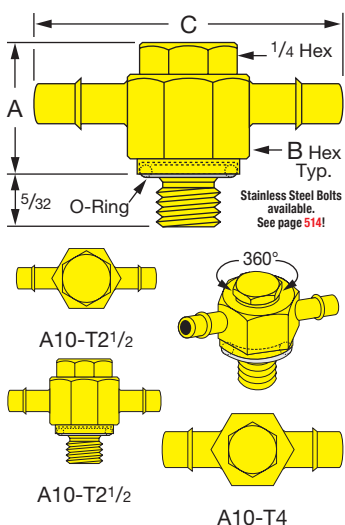
138



Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	A10-LB1-SLOT	A10-LB1-SLOT-SS	A10-LB1-SLOT-316SS	A10-LB1-SLOT-NP	1 1/32	5/16	25/64
5/64 / 2mm	A10-LB2-SLOT	A10-LB2-SLOT-SS	A10-LB2-SLOT-316SS	A10-LB2-SLOT-NP	1 1/32	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-NP	1 1/32	5/16	25/64
1/8	A10-LB3-SLOT	A10-LB3-SLOT-SS	A10-LB3-SLOT-316SS	A10-LB3-SLOT-NP	1 1/32	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-NP	1 1/32	5/16	33/64
.170	A10-LB4-SLOT	A10-LB4-SLOT-SS	A10-LB4-SLOT-316SS	A10-LB4-SLOT-NP	27/64	3/8	9/16
3/16	A10-LB5-SLOT	A10-LB5-SLOT-SS	A10-LB5-SLOT-316SS	A10-LB5-SLOT-NP	27/64	3/8	19/32
7/32	A10-LB5 1/2-SLOT	A10-LB5 1/2-SLOT-SS	A10-LB5 1/2-SLOT-316SS	A10-LB5 1/2-SLOT-NP	Consult Factory		
6mm	A10-LB5 3/4-SLOT	A10-LB5 3/4-SLOT-SS	A10-LB5 3/4-SLOT-316SS	A10-LB5 3/4-SLOT-NP	Consult Factory		
1/4	A10-LB6-SLOT	A10-LB6-SLOT-SS	A10-LB6-SLOT-316SS	A10-LB6-SLOT-NP	Consult Factory		

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

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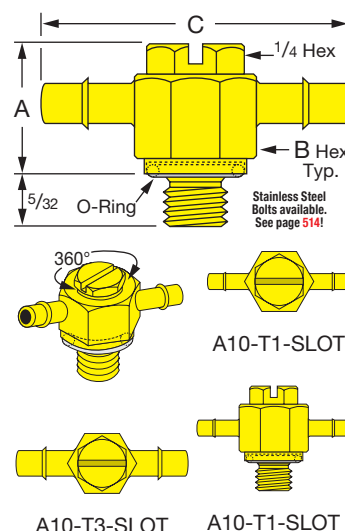


Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	A10-T1	A10-T1-SS	A10-T1-316SS	A10-T1-NP	1 1/32	5/16	25/32
5/64 / 2mm	A10-T2	A10-T2-SS	A10-T2-316SS	A10-T2-NP	1 1/32	5/16	25/32
3/32	A10-T2 1/2	A10-T2 1/2-SS	A10-T2 1/2-316SS	A10-T2 1/2-NP	1 1/32	5/16	25/32
1/8	A10-T3	A10-T3-SS	A10-T3-316SS	A10-T3-NP	1 1/32	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	1 1/32	5/16	1 1/32
.170	A10-T4	A10-T4-SS	A10-T4-316SS	A10-T4-NP	27/64	3/8	1 1/8
3/16	A10-T5	A10-T5-SS	A10-T5-316SS	A10-T5-NP	27/64	3/8	1 3/16
7/32	A10-T5 1/2	A10-T5 1/2-SS	A10-T5 1/2-316SS	A10-T5 1/2-NP	Consult Factory		
6mm	A10-T5 3/4	A10-T5 3/4-SS	A10-T5 3/4-316SS	A10-T5 3/4-NP	Consult Factory		
1/4	A10-T6	A10-T6-SS	A10-T6-316SS	A10-T6-NP	Consult Factory		

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

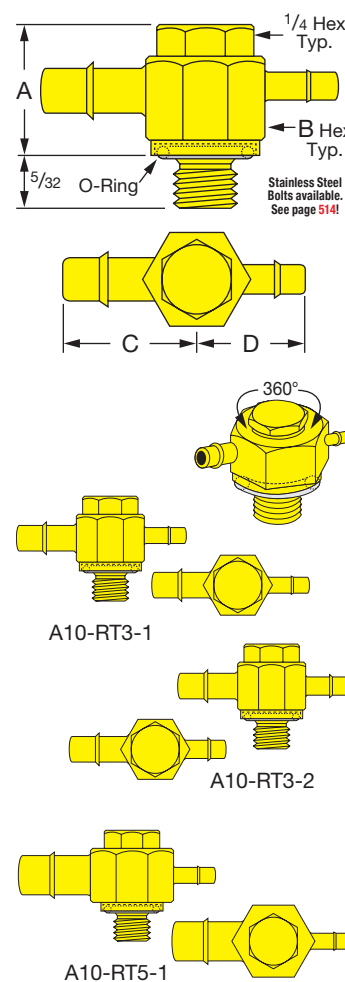
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	A10-T1-SLOT	A10-T1-SLOT-SS	A10-T1-SLOT-316SS	A10-T1-SLOT-NP	1 1/32	5/16	25/32
5/64 / 2mm	A10-T2-SLOT	A10-T2-SLOT-SS	A10-T2-SLOT-316SS	A10-T2-SLOT-NP	1 1/32	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	1 1/32	5/16	25/32
1/8	A10-T3-SLOT	A10-T3-SLOT-SS	A10-T3-SLOT-316SS	A10-T3-SLOT-NP	1 1/32	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	1 1/32	5/16	1 1/32
.170	A10-T4-SLOT	A10-T4-SLOT-SS	A10-T4-SLOT-316SS	A10-T4-SLOT-NP	27/64	3/8	1 1/8
3/16	A10-T5-SLOT	A10-T5-SLOT-SS	A10-T5-SLOT-316SS	A10-T5-SLOT-NP	27/64	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	Consult Factory		
6mm	A10-T5 3/4-SLOT	A10-T5 3/4-SLOT-SS	A10-T5 3/4-SLOT-316SS	A10-T5 3/4-SLOT-NP	Consult Factory		
1/4	A10-T6-SLOT	A10-T6-SLOT-SS	A10-T6-SLOT-316SS	A10-T6-SLOT-NP	Consult Factory		



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

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	A10-RT2-1-SS	A10-RT2-1-316SS	A10-RT2-1-NP	1 1/32	5/16	25/64	25/64
3/32	1/16	A10-RT2 1/2-1	A10-RT2 1/2-1-SS	A10-RT2 1/2-1-316SS	A10-RT2 1/2-1-NP	1 1/32	5/16	25/64	25/64
3/32	5/64 / 2mm	A10-RT2 1/2-2	A10-RT2 1/2-2-SS	A10-RT2 1/2-2-316SS	A10-RT2 1/2-2-NP	1 1/32	5/16	25/64	25/64
1/8	1/16	A10-RT3-1	A10-RT3-1-SS	A10-RT3-1-316SS	A10-RT3-1-NP	1 1/32	5/16	33/64	25/64
1/8	5/64 / 2mm	A10-RT3-2	A10-RT3-2-SS	A10-RT3-2-316SS	A10-RT3-2-NP	1 1/32	5/16	33/64	25/64
1/8	3/32	A10-RT3-2 1/2	A10-RT3-2 1/2-SS	A10-RT3-2 1/2-316SS	A10-RT3-2 1/2-NP	1 1/32	5/16	33/64	25/64
5/32 / 4mm	1/16	A10-RT3 1/2-1	A10-RT3 1/2-1-SS	A10-RT3 1/2-1-316SS	A10-RT3 1/2-1-NP	1 1/32	5/16	33/64	25/64
5/32 / 4mm	5/64 / 2mm	A10-RT3 1/2-2	A10-RT3 1/2-2-SS	A10-RT3 1/2-2-316SS	A10-RT3 1/2-2-NP	1 1/32	5/16	33/64	25/64
5/32 / 4mm	3/32	A10-RT3 1/2-2 1/2	A10-RT3 1/2-2 1/2-SS	A10-RT3 1/2-2 1/2-316SS	A10-RT3 1/2-2 1/2-NP	1 1/32	5/16	33/64	25/64
5/32 / 4mm	1/8	A10-RT3 1/2-3	A10-RT3 1/2-3-SS	A10-RT3 1/2-3-316SS	A10-RT3 1/2-3-NP	1 1/32	5/16	33/64	33/64
.170	1/16	A10-RT4-1	A10-RT4-1-SS	A10-RT4-1-316SS	A10-RT4-1-NP	27/64	3/8	9/16	27/64
.170	5/64 / 2mm	A10-RT4-2	A10-RT4-2-SS	A10-RT4-2-316SS	A10-RT4-2-NP	27/64	3/8	9/16	27/64
.170	3/32	A10-RT4-2 1/2	A10-RT4-2 1/2-SS	A10-RT4-2 1/2-316SS	A10-RT4-2 1/2-NP	27/64	3/8	9/16	27/64
.170	1/8	A10-RT4-3	A10-RT4-3-SS	A10-RT4-3-316SS	A10-RT4-3-NP	27/64	3/8	9/16	35/64
.170	5/32 / 4mm	A10-RT4-3 1/2	A10-RT4-3 1/2-SS	A10-RT4-3 1/2-316SS	A10-RT4-3 1/2-NP	27/64	3/8	9/16	35/64
3/16	1/16	A10-RT5-1	A10-RT5-1-SS	A10-RT5-1-316SS	A10-RT5-1-NP	27/64	3/8	19/32	27/64
3/16	5/64 / 2mm	A10-RT5-2	A10-RT5-2-SS	A10-RT5-2-316SS	A10-RT5-2-NP	27/64	3/8	19/32	27/64
3/16	3/32	A10-RT5-2 1/2	A10-RT5-2 1/2-SS	A10-RT5-2 1/2-316SS	A10-RT5-2 1/2-NP	27/64	3/8	19/32	27/64
3/16	1/8	A10-RT5-3	A10-RT5-3-SS	A10-RT5-3-316SS	A10-RT5-3-NP	27/64	3/8	19/32	35/64
3/16	5/32 / 4mm	A10-RT5-3 1/2	A10-RT5-3 1/2-SS	A10-RT5-3 1/2-316SS	A10-RT5-3 1/2-NP	27/64	3/8	19/32	35/64
3/16	.170	A10-RT5-4	A10-RT5-4-SS	A10-RT5-4-316SS	A10-RT5-4-NP	27/64	3/8	19/32	9/16
7/32	1/16	A10-RT5 1/2-1	A10-RT5 1/2-1-SS	A10-RT5 1/2-1-316SS	A10-RT5 1/2-1-NP	27/64	3/8	19/32	27/64
7/32	5/64 / 2mm	A10-RT5 1/2-2	A10-RT5 1/2-2-SS	A10-RT5 1/2-2-316SS	A10-RT5 1/2-2-NP	27/64	3/8	19/32	27/64
7/32	3/32	A10-RT5 1/2-2 1/2	A10-RT5 1/2-2 1/2-SS	A10-RT5 1/2-2 1/2-316SS	A10-RT5 1/2-2 1/2-NP	27/64	3/8	19/32	27/64
7/32	1/8	A10-RT5 1/2-3	A10-RT5 1/2-3-SS	A10-RT5 1/2-3-316SS	A10-RT5 1/2-3-NP	27/64	3/8	19/32	35/64



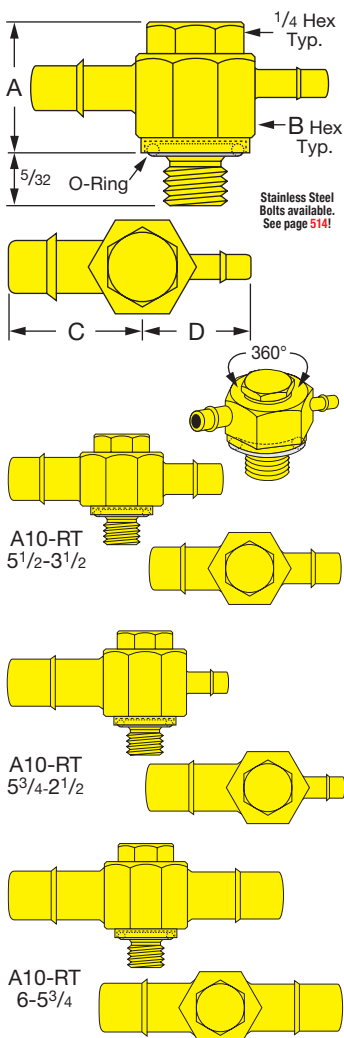
See page 65 for a list of O-Ring materials.

Note: Images are for visual representation only; not intended for dimensional measurements.
Continued on next page



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

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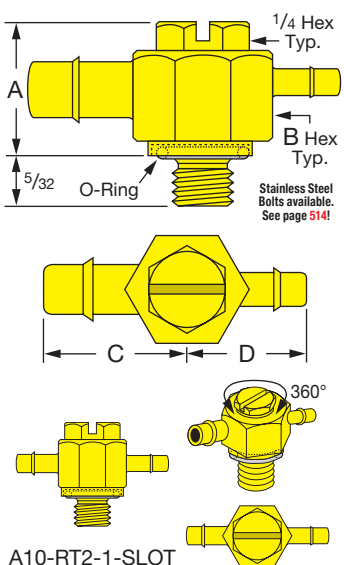


Tube ID		Part Numbers				Dimensions (Reference)			
Larger Branch	Smaller Branch	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
7/32	5/32 / 4mm	A10-RT5 1/2-3 1/2	A10-RT5 1/2-3 1/2-SS	A10-RT5 1/2-3 1/2-316SS	A10-RT5 1/2-3 1/2-NP	27/64	3/8	19/32	35/64
7/32	.170	A10-RT5 1/2-4	A10-RT5 1/2-4-SS	A10-RT5 1/2-4-316SS	A10-RT5 1/2-4-NP	27/64	3/8	19/32	9/16
7/32	3/16	A10-RT5 1/2-5	A10-RT5 1/2-5-SS	A10-RT5 1/2-5-316SS	A10-RT5 1/2-5-NP	27/64	3/8	19/32	19/32
6mm	1/16	A10-RT5 3/4-1	A10-RT5 3/4-1-SS	A10-RT5 3/4-1-316SS	A10-RT5 3/4-1-NP	Consult Factory	Consult Factory	Consult Factory	Consult Factory
6mm	5/64 / 2mm	A10-RT5 3/4-2	A10-RT5 3/4-2-SS	A10-RT5 3/4-2-316SS	A10-RT5 3/4-2-NP				
6mm	3/32	A10-RT5 3/4-2 1/2	A10-RT5 3/4-2 1/2-SS	A10-RT5 3/4-2 1/2-316SS	A10-RT5 3/4-2 1/2-NP				
6mm	1/8	A10-RT5 3/4-3	A10-RT5 3/4-3-SS	A10-RT5 3/4-3-316SS	A10-RT5 3/4-3-NP				
6mm	5/32 / 4mm	A10-RT5 3/4-3 1/2	A10-RT5 3/4-3 1/2-SS	A10-RT5 3/4-3 1/2-316SS	A10-RT5 3/4-3 1/2-NP				
6mm	.170	A10-RT5 3/4-4	A10-RT5 3/4-4-SS	A10-RT5 3/4-4-316SS	A10-RT5 3/4-4-NP				
6mm	3/16	A10-RT5 3/4-5	A10-RT5 3/4-5-SS	A10-RT5 3/4-5-316SS	A10-RT5 3/4-5-NP				
6mm	7/32	A10-RT5 3/4-5 1/2	A10-RT5 3/4-5 1/2-SS	A10-RT5 3/4-5 1/2-316SS	A10-RT5 3/4-5 1/2-NP				
1/4	1/16	A10-RT6-1	A10-RT6-1-SS	A10-RT6-1-316SS	A10-RT6-1-NP				
1/4	5/64 / 2mm	A10-RT6-2	A10-RT6-2-SS	A10-RT6-2-316SS	A10-RT6-2-NP				
1/4	3/32	A10-RT6-2 1/2	A10-RT6-2 1/2-SS	A10-RT6-2 1/2-316SS	A10-RT6-2 1/2-NP				
1/4	1/8	A10-RT6-3	A10-RT6-3-SS	A10-RT6-3-316SS	A10-RT6-3-NP				
1/4	5/32 / 4mm	A10-RT6-3 1/2	A10-RT6-3 1/2-SS	A10-RT6-3 1/2-316SS	A10-RT6-3 1/2-NP				
1/4	.170	A10-RT6-4	A10-RT6-4-SS	A10-RT6-4-316SS	A10-RT6-4-NP				
1/4	3/16	A10-RT6-5	A10-RT6-5-SS	A10-RT6-5-316SS	A10-RT6-5-NP				
1/4	7/32	A10-RT6-5 1/2	A10-RT6-5 1/2-SS	A10-RT6-5 1/2-316SS	A10-RT6-5 1/2-NP				
1/4	6mm	A10-RT6-5 3/4	A10-RT6-5 3/4-SS	A10-RT6-5 3/4-316SS	A10-RT6-5 3/4-NP				

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

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

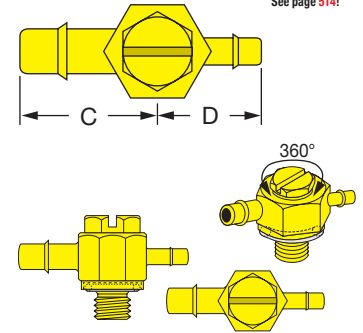
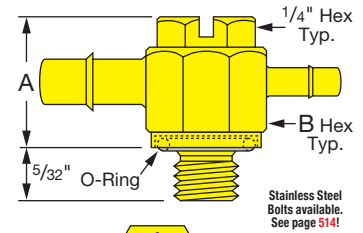
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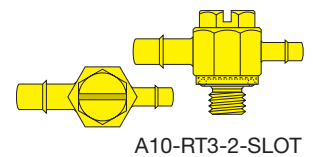
Tube ID		Part Numbers				Dimensions (Reference)			
Larger Branch	Smaller Branch	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
5/64 / 2mm	1/16	A10-RT2-1-SLOT	A10-RT2-1-SLOT-SS	A10-RT2-1-SLOT-316SS	A10-RT2-1-SLOT-NP	11/32	5/16	25/64	25/64
3/32	1/16	A10-RT2 1/2-1-SLOT	A10-RT2 1/2-1-SLOT-SS	A10-RT2 1/2-1-SLOT-316SS	A10-RT2 1/2-1-SLOT-NP	11/32	5/16	25/64	25/64
3/32	5/64 / 2mm	A10-RT2 1/2-2-SLOT	A10-RT2 1/2-2-SLOT-SS	A10-RT2 1/2-2-SLOT-316SS	A10-RT2 1/2-2-SLOT-NP	11/32	5/16	25/64	25/64
1/8	1/16	A10-RT3-1-SLOT	A10-RT3-1-SLOT-SS	A10-RT3-1-SLOT-316SS	A10-RT3-1-SLOT-NP	11/32	5/16	33/64	25/64
1/8	5/64 / 2mm	A10-RT3-2-SLOT	A10-RT3-2-SLOT-SS	A10-RT3-2-SLOT-316SS	A10-RT3-2-SLOT-NP	11/32	5/16	33/64	25/64
1/8	3/32	A10-RT3-2 1/2-SLOT	A10-RT3-2 1/2-SLOT-SS	A10-RT3-2 1/2-SLOT-316SS	A10-RT3-2 1/2-SLOT-NP	11/32	5/16	33/64	25/64
5/32 / 4mm	1/16	A10-RT3 1/2-1-SLOT	A10-RT3 1/2-1-SLOT-SS	A10-RT3 1/2-1-SLOT-316SS	A10-RT3 1/2-1-SLOT-NP	11/32	5/16	33/64	25/64
5/32 / 4mm	5/64 / 2mm	A10-RT3 1/2-2-SLOT	A10-RT3 1/2-2-SLOT-SS	A10-RT3 1/2-2-SLOT-316SS	A10-RT3 1/2-2-SLOT-NP	11/32	5/16	33/64	25/64
5/32 / 4mm	3/32	A10-RT3 1/2-2 1/2-SLOT	A10-RT3 1/2-2 1/2-SLOT-SS	A10-RT3 1/2-2 1/2-SLOT-316SS	A10-RT3 1/2-2 1/2-SLOT-NP	11/32	5/16	33/64	25/64
5/32 / 4mm	1/8	A10-RT3 1/2-3-SLOT	A10-RT3 1/2-3-SLOT-SS	A10-RT3 1/2-3-SLOT-316SS	A10-RT3 1/2-3-SLOT-NP	11/32	5/16	33/64	33/64

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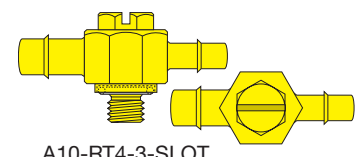
Tube ID		Part Numbers				Dimensions (Reference)			
Larger Branch	Smaller Branch	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
.170	1/16	A10-RT4-1-SLOT	A10-RT4-1-SLOT-SS	A10-RT4-1-SLOT-316SS	A10-RT4-1-SLOT-NP	27/64	3/8	9/16	27/64
.170	5/64 / 2mm	A10-RT4-2-SLOT	A10-RT4-2-SLOT-SS	A10-RT4-2-SLOT-316SS	A10-RT4-2-SLOT-NP	27/64	3/8	9/16	27/64
.170	3/32	A10-RT4-2 1/2-SLOT	A10-RT4-2 1/2-SLOT-SS	A10-RT4-2 1/2-SLOT-316SS	A10-RT4-2 1/2-SLOT-NP	27/64	3/8	9/16	27/64
.170	1/8	A10-RT4-3-SLOT	A10-RT4-3-SLOT-SS	A10-RT4-3-SLOT-316SS	A10-RT4-3-SLOT-NP	27/64	3/8	9/16	35/64
.170	5/32 / 4mm	A10-RT4-3 1/2-SLOT	A10-RT4-3 1/2-SLOT-SS	A10-RT4-3 1/2-SLOT-316SS	A10-RT4-3 1/2-SLOT-NP	27/64	3/8	9/16	35/64
3/16	1/16	A10-RT5-1-SLOT	A10-RT5-1-SLOT-SS	A10-RT5-1-SLOT-316SS	A10-RT5-1-SLOT-NP	27/64	3/8	19/32	27/64
3/16	5/64 / 2mm	A10-RT5-2-SLOT	A10-RT5-2-SLOT-SS	A10-RT5-2-SLOT-316SS	A10-RT5-2-SLOT-NP	27/64	3/8	19/32	27/64
3/16	3/32	A10-RT5-2 1/2-SLOT	A10-RT5-2 1/2-SLOT-SS	A10-RT5-2 1/2-SLOT-316SS	A10-RT5-2 1/2-SLOT-NP	27/64	3/8	19/32	27/64
3/16	1/8	A10-RT5-3-SLOT	A10-RT5-3-SLOT-SS	A10-RT5-3-SLOT-316SS	A10-RT5-3-SLOT-NP	27/64	3/8	19/32	35/64
3/16	5/32 / 4mm	A10-RT5-3 1/2-SLOT	A10-RT5-3 1/2-SLOT-SS	A10-RT5-3 1/2-SLOT-316SS	A10-RT5-3 1/2-SLOT-NP	27/64	3/8	19/32	35/64
3/16	.170	A10-RT5-4-SLOT	A10-RT5-4-SLOT-SS	A10-RT5-4-SLOT-316SS	A10-RT5-4-SLOT-NP	27/64	3/8	19/32	9/16
7/32	1/16	A10-RT5 1/2-1-SLOT	A10-RT5 1/2-1-SLOT-SS	A10-RT5 1/2-1-SLOT-316SS	A10-RT5 1/2-1-SLOT-NP	27/64	3/8	19/32	1/2
7/32	5/64 / 2mm	A10-RT5 1/2-2-SLOT	A10-RT5 1/2-2-SLOT-SS	A10-RT5 1/2-2-SLOT-316SS	A10-RT5 1/2-2-SLOT-NP	27/64	3/8	19/32	1/2
7/32	3/32	A10-RT5 1/2-2 1/2-SLOT	A10-RT5 1/2-2 1/2-SLOT-SS	A10-RT5 1/2-2 1/2-SLOT-316SS	A10-RT5 1/2-2 1/2-SLOT-NP	27/64	3/8	19/32	1/2
7/32	1/8	A10-RT5 1/2-3-SLOT	A10-RT5 1/2-3-SLOT-SS	A10-RT5 1/2-3-SLOT-316SS	A10-RT5 1/2-3-SLOT-NP	27/64	3/8	19/32	19/32
7/32	5/32 / 4mm	A10-RT5 1/2-3 1/2-SLOT	A10-RT5 1/2-3 1/2-SLOT-SS	A10-RT5 1/2-3 1/2-SLOT-316SS	A10-RT5 1/2-3 1/2-SLOT-NP	27/64	3/8	19/32	19/32
7/32	.170	A10-RT5 1/2-4-SLOT	A10-RT5 1/2-4-SLOT-SS	A10-RT5 1/2-4-SLOT-316SS	A10-RT5 1/2-4-SLOT-NP	27/64	3/8	19/32	9/16
7/32	3/16	A10-RT5 1/2-5-SLOT	A10-RT5 1/2-5-SLOT-SS	A10-RT5 1/2-5-SLOT-316SS	A10-RT5 1/2-5-SLOT-NP	27/64	3/8	19/32	19/32
6mm	1/16	A10-RT5 3/4-1-SLOT	A10-RT5 3/4-1-SLOT-SS	A10-RT5 3/4-1-SLOT-316SS	A10-RT5 3/4-1-SLOT-NP	Consult Factory Consult Factory Consult Factory Consult Factory			
6mm	5/64 / 2mm	A10-RT5 3/4-2-SLOT	A10-RT5 3/4-2-SLOT-SS	A10-RT5 3/4-2-SLOT-316SS	A10-RT5 3/4-2-SLOT-NP				
6mm	3/32	A10-RT5 3/4-2 1/2-SLOT	A10-RT5 3/4-2 1/2-SLOT-SS	A10-RT5 3/4-2 1/2-SLOT-316SS	A10-RT5 3/4-2 1/2-SLOT-NP				
6mm	1/8	A10-RT5 3/4-3-SLOT	A10-RT5 3/4-3-SLOT-SS	A10-RT5 3/4-3-SLOT-316SS	A10-RT5 3/4-3-SLOT-NP				
6mm	5/32 / 4mm	A10-RT5 3/4-3 1/2-SLOT	A10-RT5 3/4-3 1/2-SLOT-SS	A10-RT5 3/4-3 1/2-SLOT-316SS	A10-RT5 3/4-3 1/2-SLOT-NP				
6mm	.170	A10-RT5 3/4-4-SLOT	A10-RT5 3/4-4-SLOT-SS	A10-RT5 3/4-4-SLOT-316SS	A10-RT5 3/4-4-SLOT-NP				
6mm	3/16	A10-RT5 3/4-5-SLOT	A10-RT5 3/4-5-SLOT-SS	A10-RT5 3/4-5-SLOT-316SS	A10-RT5 3/4-5-SLOT-NP				
6mm	7/32	A10-RT5 3/4-5 1/2-SLOT	A10-RT5 3/4-5 1/2-SLOT-SS	A10-RT5 3/4-5 1/2-SLOT-316SS	A10-RT5 3/4-5 1/2-SLOT-NP				
1/4	1/16	A10-RT6-1-SLOT	A10-RT6-1-SLOT-SS	A10-RT6-1-SLOT-316SS	A10-RT6-1-SLOT-NP				
1/4	5/64 / 2mm	A10-RT6-2-SLOT	A10-RT6-2-SLOT-SS	A10-RT6-2-SLOT-316SS	A10-RT6-2-SLOT-NP				
1/4	3/32	A10-RT6-2 1/2-SLOT	A10-RT6-2 1/2-SLOT-SS	A10-RT6-2 1/2-SLOT-316SS	A10-RT6-2 1/2-SLOT-NP	Consult Factory Consult Factory Consult Factory Consult Factory			
1/4	1/8	A10-RT6-3-SLOT	A10-RT6-3-SLOT-SS	A10-RT6-3-SLOT-316SS	A10-RT6-3-SLOT-NP				
1/4	5/32 / 4mm	A10-RT6-3 1/2-SLOT	A10-RT6-3 1/2-SLOT-SS	A10-RT6-3 1/2-SLOT-316SS	A10-RT6-3 1/2-SLOT-NP				
1/4	.170	A10-RT6-4-SLOT	A10-RT6-4-SLOT-SS	A10-RT6-4-SLOT-316SS	A10-RT6-4-SLOT-NP				
1/4	3/16	A10-RT6-5-SLOT	A10-RT6-5-SLOT-SS	A10-RT6-5-SLOT-316SS	A10-RT6-5-SLOT-NP				
1/4	7/32	A10-RT6-5 1/2-SLOT	A10-RT6-5 1/2-SLOT-SS	A10-RT6-5 1/2-SLOT-316SS	A10-RT6-5 1/2-SLOT-NP				
1/4	6mm	A10-RT6-5 3/4-SLOT	A10-RT6-5 3/4-SLOT-SS	A10-RT6-5 3/4-SLOT-316SS	A10-RT6-5 3/4-SLOT-NP				



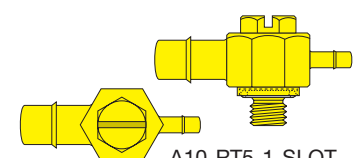
A10-RT3-1-SLOT



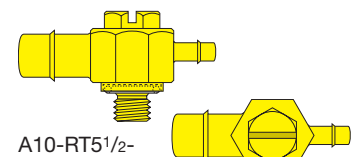
A10-RT3-2-SLOT



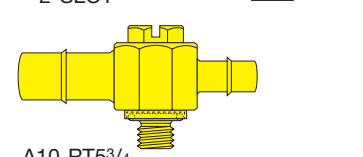
A10-RT4-3-SLOT



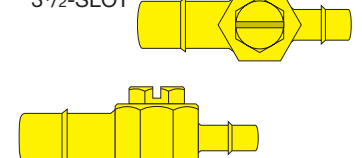
A10-RT5-1-SLOT



A10-RT5 1/2-2-SLOT



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

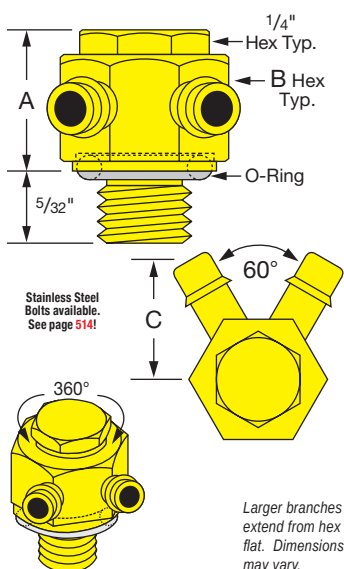


A10-RT 6-3-SLOT



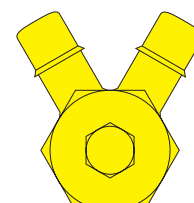
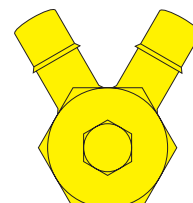
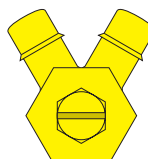
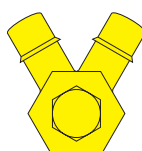
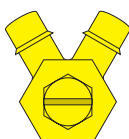
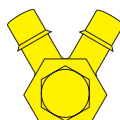
10-32 Thread to Tube Adjustable V-Tees with O-Ring Seal Installed

145



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	1 1/32	5/16	25/64
5/64 / 2mm	A10-VT2	A10-VT2-SS	A10-VT2-316SS	A10-VT2-NP	1 1/32	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	1 1/32	5/16	25/64
1/8	A10-VT3	A10-VT3-SS	A10-VT3-316SS	A10-VT3-NP	1 1/32	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	1 1/32	5/16	33/64
.170	A10-VT4	A10-VT4-SS	A10-VT4-316SS	A10-VT4-NP	27/64	3/8	9/16
3/16	A10-VT5	A10-VT5-SS	A10-VT5-316SS	A10-VT5-NP	27/64	3/8	19/32
7/32	A10-VT5 1/2	A10-VT5 1/2-SS	A10-VT5 1/2-316SS	A10-VT5 1/2-NP	Consult Factory		
6mm	A10-VT5 3/4	A10-VT5 3/4-SS	A10-VT5 3/4-316SS	A10-VT5 3/4-NP	Consult Factory		
1/4	A10-VT6	A10-VT6-SS	A10-VT6-316SS	A10-VT6-NP	Consult Factory		

See page 65 for a list of O-Ring materials.



A10-VT1

A10-VT2

A10-VT2 1/2

A10-VT3 1/2

A10-VT4

A10-VT5

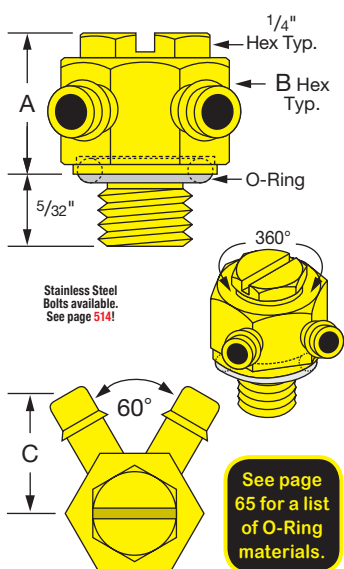
A10-VT5 1/2

A10-VT5 3/4

A10-VT6

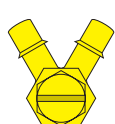
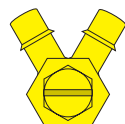
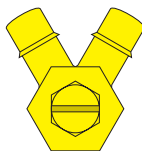
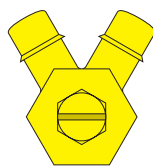
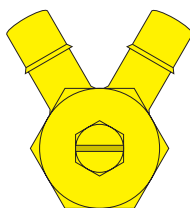
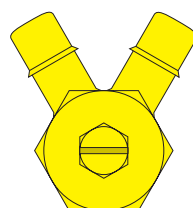
10-32 Thread to Tube Slotted Adjustable V-Tees with O-Ring Seal Installed

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	1 1/32	5/16	25/64
5/64 / 2mm	A10-VT2-SLOT	A10-VT2-SLOT-SS	A10-VT2-SLOT-316SS	A10-VT2-SLOT-NP	1 1/32	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	1 1/32	5/16	25/64
1/8	A10-VT3-SLOT	A10-VT3-SLOT-SS	A10-VT3-SLOT-316SS	A10-VT3-SLOT-NP	1 1/32	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	1 1/32	5/16	33/64
.170	A10-VT4-SLOT	A10-VT4-SLOT-SS	A10-VT4-SLOT-316SS	A10-VT4-SLOT-NP	27/64	3/8	9/16
3/16	A10-VT5-SLOT	A10-VT5-SLOT-SS	A10-VT5-SLOT-316SS	A10-VT5-SLOT-NP	27/64	3/8	19/32
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	Consult Factory		
6mm	A10-VT5 3/4-SLOT	A10-VT5 3/4-SLOT-SS	A10-VT5 3/4-SLOT-316SS	A10-VT5 3/4-SLOT-NP	Consult Factory		
1/4	A10-VT6-SLOT	A10-VT6-SLOT-SS	A10-VT6-SLOT-316SS	A10-VT6-SLOT-NP	Consult Factory		

See page 65 for a list of O-Ring materials.



A10-VT6-SLOT

A10-VT5 3/4-SLOT

A10-VT 5 1/2-SLOT

A10-VT 5-SLOT

A10-VT 4-SLOT

A10-VT 3 1/2-SLOT

A10-VT 3-SLOT

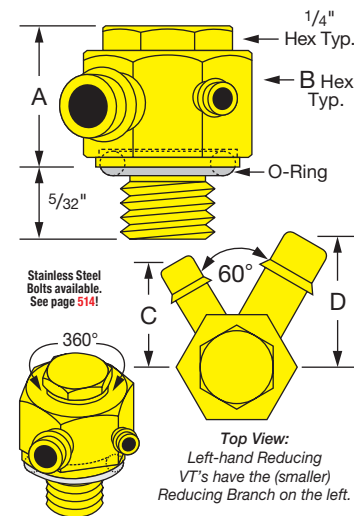
A10-VT 2-SLOT

A10-VT 1-SLOT

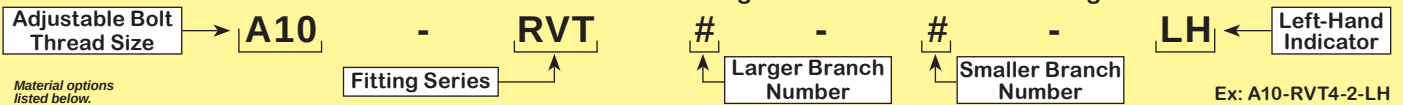
147 10-32 Thread to Tube Adjustable Reducing Left-Hand V-Tees with O-Ring Seal Installed

Larger Branch		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
5/64 / 2mm	2	11/32	5/16	25/64
3/32	2 1/2	11/32	5/16	25/64
1/8	3	11/32	5/16	33/64
5/32 / 4mm	3 1/2	11/32	5/16	33/64
.170	4	27/64	3/8	9/16
3/16	5	27/64	3/8	9/16
7/32	5 1/2	Consult Factory		
6mm	5 3/4	Consult Factory		
1/4	6	Consult Factory		

Smaller Branch		Dimensions (Reference)
Tube ID	Branch Number	D Ref.
1/16	1	25/64
5/64 / 2mm	2	25/64
3/32	2 1/2	25/64
1/8	3	33/64
5/32 / 4mm	3 1/2	33/64
.170	4	9/16
3/16	5	9/16
7/32	5 1/2	Consult Factory
6mm	5 3/4	Consult Factory



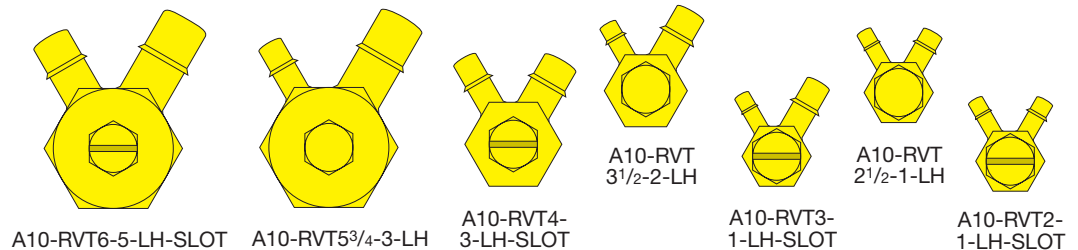
Part Numbers for 10-32 Thread to Tube Reducing Left-Hand V-Tees with O-Ring Installed:



Unless otherwise specified, parts will be Brass.

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

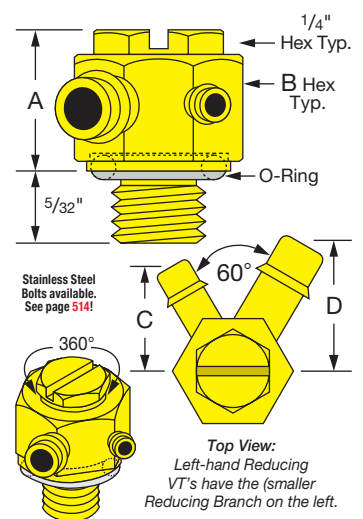
- SS = Stainless Steel 303
- 316SS = Stainless Steel 316
- NP = Electroless Nickel Plate



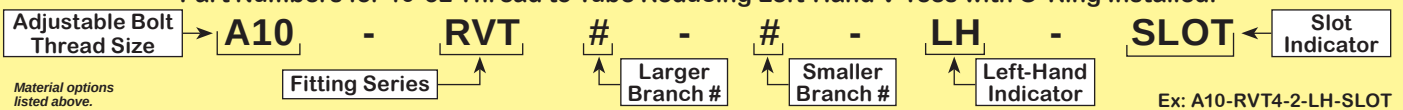
148 10-32 Thread to Tube Adjustable Reducing Left-Hand V-Tees with Slots & O-Ring Seal Installed

Larger Branch		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
5/64 / 2mm	2	11/32	5/16	25/64
3/32	2 1/2	11/32	5/16	25/64
1/8	3	11/32	5/16	33/64
5/32 / 4mm	3 1/2	11/32	5/16	33/64
.170	4	27/64	3/8	9/16
3/16	5	27/64	3/8	19/32
7/32	5 1/2	Consult Factory		
6mm	5 3/4	Consult Factory		
1/4	6	Consult Factory		

Smaller Branch		Dimensions (Reference)
Tube ID	Branch Number	D Ref.
1/16	1	25/64
5/64 / 2mm	2	25/64
3/32	2 1/2	25/64
1/8	3	33/64
5/32 / 4mm	3 1/2	33/64
.170	4	9/16
3/16	5	19/32
7/32	5 1/2	Consult Factory
6mm	5 3/4	Consult Factory



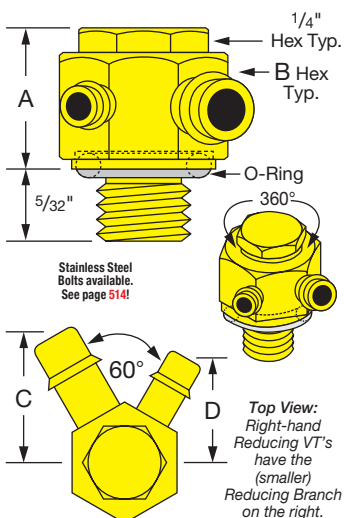
Part Numbers for 10-32 Thread to Tube Reducing Left-Hand V-Tees with O-Ring Installed:





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

149



Larger Branch		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
5/64 / 2mm	2	11/32	5/16	25/64
3/32	2 1/2	11/32	5/16	25/64
1/8	3	11/32	5/16	33/64
5/32 / 4mm	3 1/2	11/32	5/16	33/64
.170	4	27/64	3/8	9/16
3/16	5	27/64	3/8	19/32
7/32	5 1/2	Consult Factory		
6mm	5 3/4	Consult Factory		
1/4	6	Consult Factory		

Smaller Branch		Dimensions (Reference)
Tube ID	Branch Number	D Ref.
1/16	1	25/64
5/64 / 2mm	2	25/64
3/32	2 1/2	25/64
1/8	3	33/64
5/32 / 4mm	3 1/2	33/64
.170	4	9/16
3/16	5	19/32
7/32	5 1/2	Consult Factory
6mm	5 3/4	Consult Factory

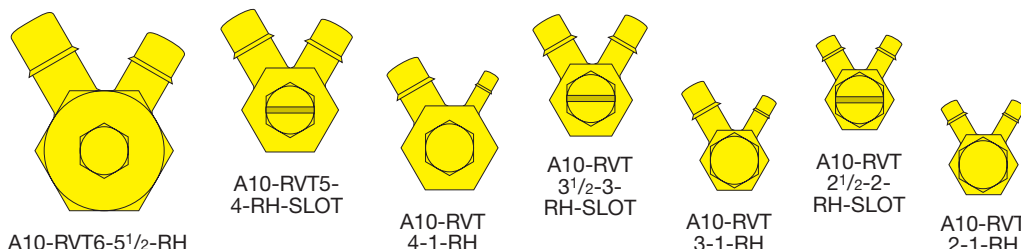
Part Numbers for 10-32 Thread to Tube Reducing Right-Hand V-Tees with O-Ring Installed:

Adjustable Bolt Thread Size	A10	-	RVT	#	-	#	-	RH	Right-Hand Indicator
			Fitting Series			Larger Branch Number		Smaller Branch Number	

Unless otherwise specified, parts will be Brass.

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

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



A10-RVT6-5 1/2-RH

A10-RVT5-4-RH-SLOT

A10-RVT 4-1-RH

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

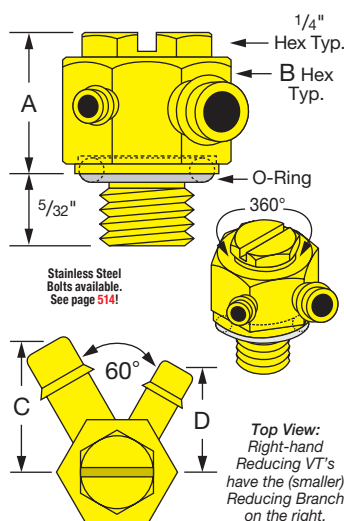
A10-RVT 3-1-RH

A10-RVT 2 1/2-2-RH-SLOT

A10-RVT 2-1-RH

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

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Larger Branch		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
5/64 / 2mm	2	11/32	5/16	25/64
3/32	2 1/2	11/32	5/16	25/64
1/8	3	11/32	5/16	33/64
5/32 / 4mm	3 1/2	11/32	5/16	33/64
.170	4	27/64	3/8	9/16
3/16	5	27/64	3/8	19/32
7/32	5 1/2	Consult Factory		
6mm	5 3/4	Consult Factory		
1/4	6	Consult Factory		

Smaller Branch		Dimensions (Reference)
Tube ID	Branch Number	D Ref.
1/16	1	25/64
5/64 / 2mm	2	25/64
3/32	2 1/2	25/64
1/8	3	33/64
5/32 / 4mm	3 1/2	33/64
.170	4	9/16
3/16	5	19/32
7/32	5 1/2	Consult Factory
6mm	5 3/4	Consult Factory

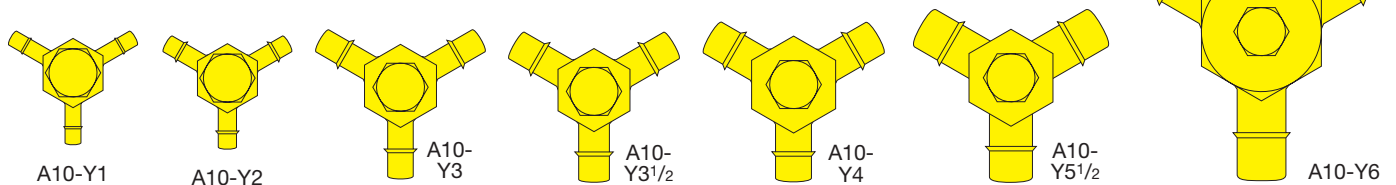
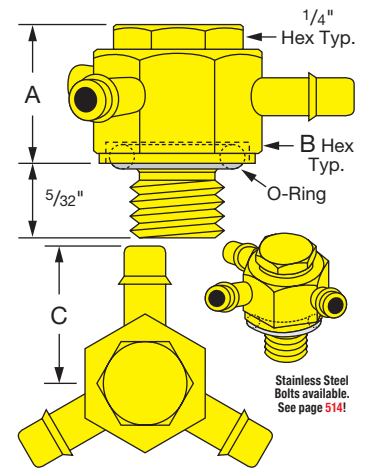
Part Numbers for 10-32 Thread to Tube Reducing Right-Hand V-Tees with O-Ring Installed:

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

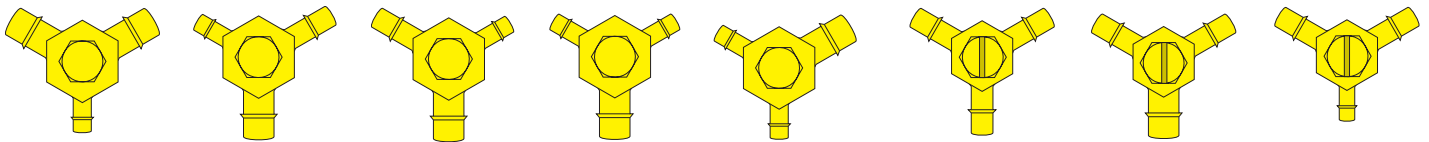
151

10-32 Thread Adjustable Y Fittings 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	A10-Y1	A10-Y1-SS	A10-Y1-316SS	A10-Y1-NP	1 1/32	5/16	Consult Factory
5/64 / 2mm	A10-Y2	A10-Y2-SS	A10-Y2-316SS	A10-Y2-NP	1 1/32	5/16	
3/32	A10-Y2 1/2	A10-Y2 1/2-SS	A10-Y2 1/2-316SS	A10-Y2 1/2-NP	1 1/32	5/16	
1/8	A10-Y3	A10-Y3-SS	A10-Y3-316SS	A10-Y3-NP	1 1/32	5/16	
5/32 / 4mm	A10-Y3 1/2	A10-Y3 1/2-SS	A10-Y3 1/2-316SS	A10-Y3 1/2-NP	1 1/32	5/16	
.170	A10-Y4	A10-Y4-SS	A10-Y4-316SS	A10-Y4-NP	27/64	3/8	
3/16	A10-Y5	A10-Y5-SS	A10-Y5-316SS	A10-Y5-NP	27/64	3/8	
7/32	A10-Y5 1/2	A10-Y5 1/2-SS	A10-Y5 1/2-316SS	A10-Y5 1/2-NP	27/64	7/16	
6mm	A10-Y5 3/4	A10-Y5 3/4-SS	A10-Y5 3/4-316SS	A10-Y5 3/4-NP	Consult Factory		Consult Factory
1/4	A10-Y6	A10-Y6-SS	A10-Y6-316SS	A10-Y6-NP	Consult Factory		



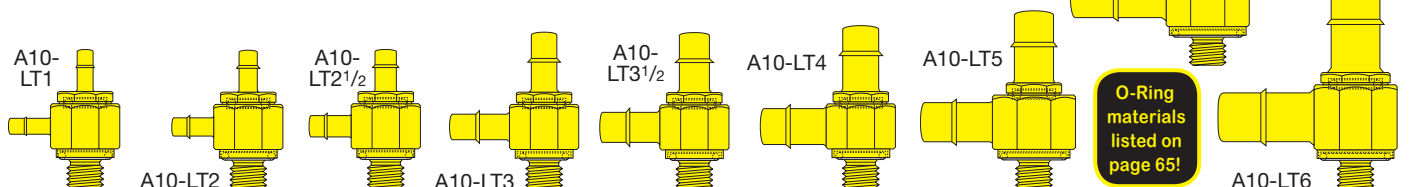
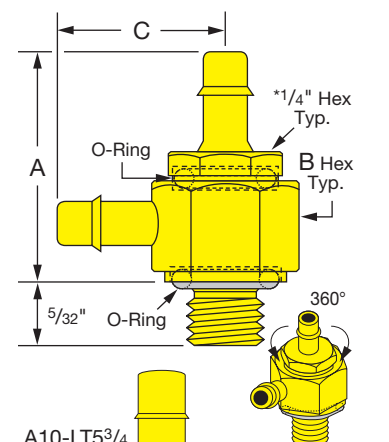
Reducing Y Fittings and Slotted Bolts also available! Consult Factory for Details!



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10-32 Thread Adjustable L-Tees with O-Ring Seal Installed

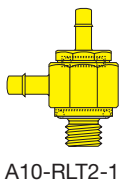
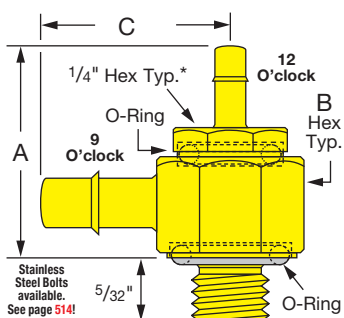
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	A10-LT1	A10-LT1-SS	A10-LT1-316SS	A10-LT1-NP	Consult Factory	5/16	Consult Factory
5/64 / 2mm	A10-LT2	A10-LT2-SS	A10-LT2-316SS	A10-LT2-NP		5/16	
3/32	A10-LT2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



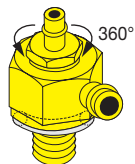


10-32 Thread to Tube Adjustable Reducing L-Tees with O-Ring Seal Installed

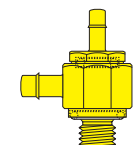
153



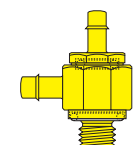
A10-RLT2-1



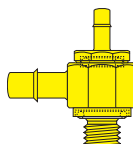
360°



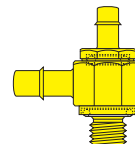
A10-RLT2 1/2-1



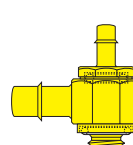
A10-RLT2 1/2-2



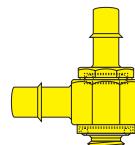
A10-RLT3-1



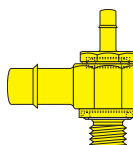
A10-RLT3-2 1/2



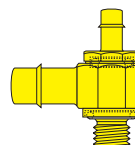
A10-RLT3 1/2-2



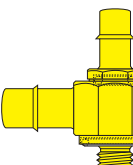
A10-RLT3 1/2-3



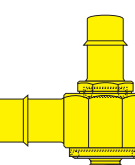
A10-RLT4-1



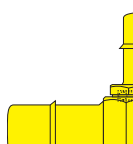
A10-RLT4-2 1/2



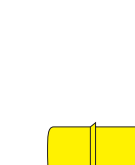
A10-RLT5-3 1/2



A10-RLT5 1/2-4



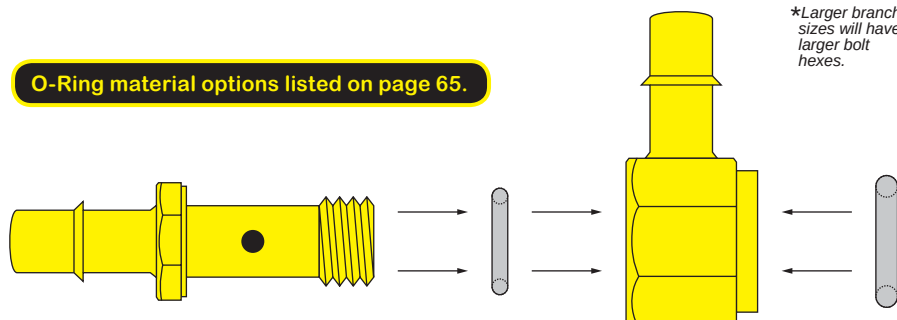
A10-RLT6-5 1/2



A10-RLT6-5 3/4

Tube ID		Part Numbers				Dimensions (Reference)		
9 O'clock	12 O'clock	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
5/64 / 2mm	1/16	A10-RLT2-1	A10-RLT2-1-SS	A10-RLT2-1-316SS	A10-RLT2-1-NP	Consult Factory	5/16	Consult Factory
3/32	1/16	A10-RLT2 1/2-1	A10-RLT2 1/2-1-SS	A10-RLT2 1/2-1-316SS	A10-RLT2 1/2-1-NP		5/16	
3/32	5/64 / 2mm	A10-RLT2 1/2-2	A10-RLT2 1/2-2-SS	A10-RLT2 1/2-2-316SS	A10-RLT2 1/2-2-NP	Consult Factory	5/16	Consult Factory
1/8	1/16	A10-RLT3-1	A10-RLT3-1-SS	A10-RLT3-1-316SS	A10-RLT3-1-NP		5/16	
1/8	5/64 / 2mm	A10-RLT3-2	A10-RLT3-2-SS	A10-RLT3-2-316SS	A10-RLT3-2-NP	Consult Factory	5/16	Consult Factory
1/8	3/32	A10-RLT3-2 1/2	A10-RLT3-2 1/2-SS	A10-RLT3-2 1/2-316SS	A10-RLT3-2 1/2-NP		5/16	
5/32 / 4mm	1/16	A10-RLT3 1/2-1	A10-RLT3 1/2-1-SS	A10-RLT3 1/2-1-316SS	A10-RLT3 1/2-1-NP	Consult Factory	5/16	Consult Factory
5/32 / 4mm	5/64 / 2mm	A10-RLT3 1/2-2	A10-RLT3 1/2-2-SS	A10-RLT3 1/2-2-316SS	A10-RLT3 1/2-2-NP		5/16	
5/32 / 4mm	3/32	A10-RLT3 1/2-2 1/2	A10-RLT3 1/2-2 1/2-SS	A10-RLT3 1/2-2 1/2-316SS	A10-RLT3 1/2-2 1/2-NP	Consult Factory	5/16	Consult Factory
5/32 / 4mm	1/8	A10-RLT3 1/2-3	A10-RLT3 1/2-3-SS	A10-RLT3 1/2-3-316SS	A10-RLT3 1/2-3-NP		5/16	
.170	1/16	A10-RLT4-1	A10-RLT4-1-SS	A10-RLT4-1-316SS	A10-RLT4-1-NP	Consult Factory	3/8	Consult Factory
.170	5/64 / 2mm	A10-RLT4-2	A10-RLT4-2-SS	A10-RLT4-2-316SS	A10-RLT4-2-NP		3/8	
.170	3/32	A10-RLT4-2 1/2	A10-RLT4-2 1/2-SS	A10-RLT4-2 1/2-316SS	A10-RLT4-2 1/2-NP	Consult Factory	3/8	Consult Factory
.170	1/8	A10-RLT4-3	A10-RLT4-3-SS	A10-RLT4-3-316SS	A10-RLT4-3-NP		3/8	
.170	5/32 / 4mm	A10-RLT4-3 1/2	A10-RLT4-3 1/2-SS	A10-RLT4-3 1/2-316SS	A10-RLT4-3 1/2-NP	Consult Factory	3/8	Consult Factory
3/16	1/16	A10-RLT5-1	A10-RLT5-1-SS	A10-RLT5-1-316SS	A10-RLT5-1-NP		3/8	
3/16	5/64 / 2mm	A10-RLT5-2	A10-RLT5-2-SS	A10-RLT5-2-316SS	A10-RLT5-2-NP	Consult Factory	3/8	Consult Factory
3/16	3/32	A10-RLT5-2 1/2	A10-RLT5-2 1/2-SS	A10-RLT5-2 1/2-316SS	A10-RLT5-2 1/2-NP		3/8	
3/16	1/8	A10-RLT5-3	A10-RLT5-3-SS	A10-RLT5-3-316SS	A10-RLT5-3-NP	Consult Factory	3/8	Consult Factory
3/16	5/32 / 4mm	A10-RLT5-3 1/2	A10-RLT5-3 1/2-SS	A10-RLT5-3 1/2-316SS	A10-RLT5-3 1/2-NP		3/8	
3/16	.170	A10-RLT5-4	A10-RLT5-4-SS	A10-RLT5-4-316SS	A10-RLT5-4-NP	Consult Factory	3/8	Consult Factory
1/4	1/16	A10-RLT6-1	A10-RLT6-1-SS	A10-RLT6-1-316SS	A10-RLT6-1-NP		3/8	
1/4	5/64 / 2mm	A10-RLT6-2	A10-RLT6-2-SS	A10-RLT6-2-316SS	A10-RLT6-2-NP	Consult Factory	3/8	Consult Factory
1/4	3/32	A10-RLT6-2 1/2	A10-RLT6-2 1/2-SS	A10-RLT6-2 1/2-316SS	A10-RLT6-2 1/2-NP		3/8	
1/4	1/8	A10-RLT6-3	A10-RLT6-3-SS	A10-RLT6-3-316SS	A10-RLT6-3-NP	Consult Factory	3/8	Consult Factory
1/4	5/32 / 4mm	A10-RLT6-3 1/2	A10-RLT6-3 1/2-SS	A10-RLT6-3 1/2-316SS	A10-RLT6-3 1/2-NP		3/8	
1/4	.170	A10-RLT6-4	A10-RLT6-4-SS	A10-RLT6-4-316SS	A10-RLT6-4-NP	Consult Factory	3/8	Consult Factory
1/4	3/16	A10-RLT6-5	A10-RLT6-5-SS	A10-RLT6-5-316SS	A10-RLT6-5-NP		3/8	

O-Ring material options listed on page 65.

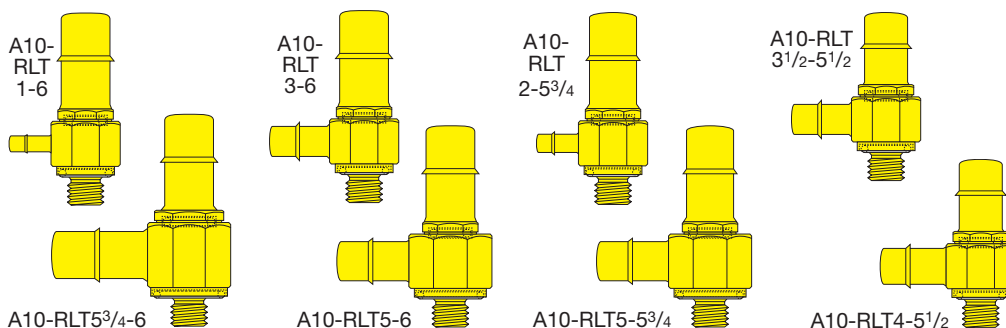
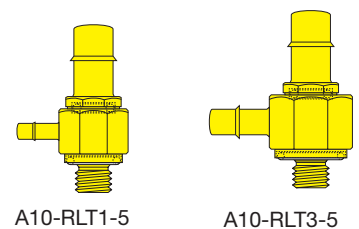
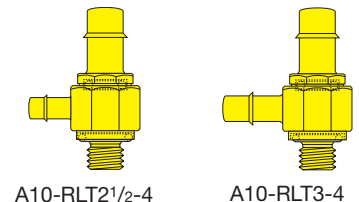
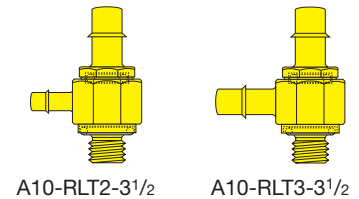
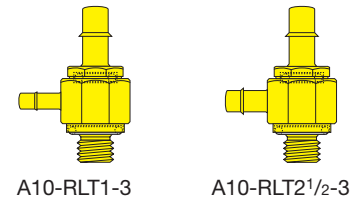
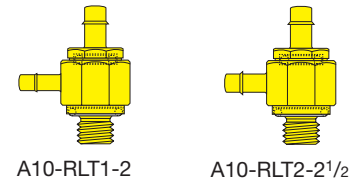
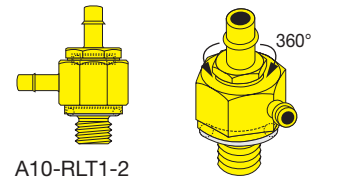
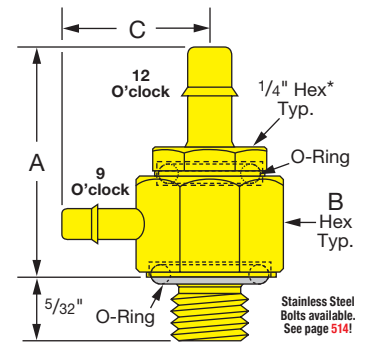


*Larger branch sizes will have larger bolt hexes.

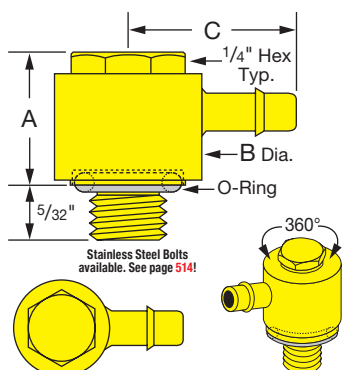
154

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

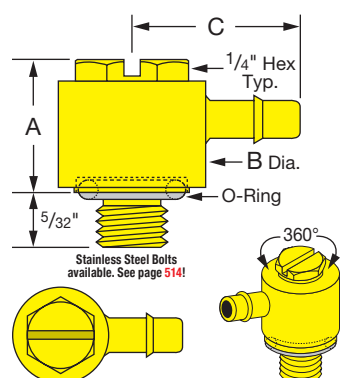
Tube ID		Part Numbers				Dimensions (Reference)		
9 O'clock	12 O'clock	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	5/64 / 2mm	A10-RLT1-2	A10-RLT1-2-SS	A10-RLT1-2-316SS	A10-RLT1-2-NP	Consult Factory	5/16	Consult Factory
1/16	3/32	A10-RLT1-2 1/2	A10-RLT1-2 1/2-SS	A10-RLT1-2 1/2-316SS	A10-RLT1-2 1/2-NP		5/16	
1/16	1/8	A10-RLT1-3	A10-RLT1-3-SS	A10-RLT1-3-316SS	A10-RLT1-3-NP		5/16	
1/16	5/32 / 4mm	A10-RLT1-3 1/2	A10-RLT1-3 1/2-SS	A10-RLT1-3 1/2-316SS	A10-RLT1-3 1/2-NP		5/16	
1/16	.170	A10-RLT1-4	A10-RLT1-4-SS	A10-RLT1-4-316SS	A10-RLT1-4-NP		3/8	
1/16	3/16	A10-RLT1-5	A10-RLT1-5-SS	A10-RLT1-5-316SS	A10-RLT1-5-NP		3/8	
1/16	1/4	A10-RLT1-6	A10-RLT1-6-SS	A10-RLT1-6-316SS	A10-RLT1-6-NP		1/2	
5/64 / 2mm	3/32	A10-RLT2-2 1/2	A10-RLT2-2 1/2-SS	A10-RLT2-2 1/2-316SS	A10-RLT2-2 1/2-NP		5/16	
5/64 / 2mm	1/8	A10-RLT2-3	A10-RLT2-3-SS	A10-RLT2-3-316SS	A10-RLT2-3-NP		5/16	
5/64 / 2mm	3/16	A10-RLT2-3 1/2	A10-RLT2-3 1/2-SS	A10-RLT2-3 1/2-316SS	A10-RLT2-3 1/2-NP		5/16	
5/64 / 2mm	.170	A10-RLT2-4	A10-RLT2-4-SS	A10-RLT2-4-316SS	A10-RLT2-4-NP		3/8	
5/64 / 2mm	3/16	A10-RLT2-5	A10-RLT2-5-SS	A10-RLT2-5-316SS	A10-RLT2-5-NP		3/8	
5/64 / 2mm	1/4	A10-RLT2-6	A10-RLT2-6-SS	A10-RLT2-6-316SS	A10-RLT2-6-NP		7/16	
3/32	1/8	A10-RLT2 1/2-3	A10-RLT2 1/2-3-SS	A10-RLT2 1/2-3-316SS	A10-RLT2 1/2-3-NP		5/16	
3/32	5/64 / 2mm	A10-RLT2 1/2-3 1/2	A10-RLT2 1/2-3 1/2-SS	A10-RLT2 1/2-3 1/2-316SS	A10-RLT2 1/2-3 1/2-NP		5/16	
3/32	.170	A10-RLT2 1/2-4	A10-RLT2 1/2-4-SS	A10-RLT2 1/2-4-316SS	A10-RLT2 1/2-4-NP		3/8	
3/32	3/16	A10-RLT2 1/2-5	A10-RLT2 1/2-5-SS	A10-RLT2 1/2-5-316SS	A10-RLT2 1/2-5-NP		3/8	
3/32	1/4	A10-RLT2 1/2-6	A10-RLT2 1/2-6-SS	A10-RLT2 1/2-6-316SS	A10-RLT2 1/2-6-NP		3/8	
1/8	5/64 / 2mm	A10-RLT3-3 1/2	A10-RLT3-3 1/2-SS	A10-RLT3-3 1/2-316SS	A10-RLT3-3 1/2-NP		5/16	
1/8	.170	A10-RLT3-4	A10-RLT3-4-SS	A10-RLT3-4-316SS	A10-RLT3-4-NP		3/8	
1/8	3/16	A10-RLT3-5	A10-RLT3-5-SS	A10-RLT3-5-316SS	A10-RLT3-5-NP		3/8	
1/8	1/4	A10-RLT3-6	A10-RLT3-6-SS	A10-RLT3-6-316SS	A10-RLT3-6-NP		3/8	
5/32 / 4mm	.170	A10-RLT3 1/2-4	A10-RLT3 1/2-4-SS	A10-RLT3 1/2-4-316SS	A10-RLT3 1/2-4-NP		3/8	
5/32 / 4mm	3/16	A10-RLT3 1/2-5	A10-RLT3 1/2-5-SS	A10-RLT3 1/2-5-316SS	A10-RLT3 1/2-5-NP		3/8	
5/64 / 2mm	1/4	A10-RLT3 1/2-6	A10-RLT3 1/2-6-SS	A10-RLT3 1/2-6-316SS	A10-RLT3 1/2-6-NP		3/8	
.170	3/16	A10-RLT4-5	A10-RLT4-5-SS	A10-RLT4-5-316SS	A10-RLT4-5-NP	Consult Factory	3/8	Consult Factory
.170	1/4	A10-RLT4-6	A10-RLT4-6-SS	A10-RLT4-6-316SS	A10-RLT4-6-NP		3/8	
3/16	1/4	A10-RLT5-6	A10-RLT5-6-SS	A10-RLT5-6-316SS	A10-RLT5-6-NP		3/8	



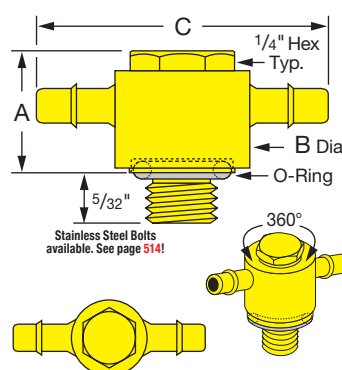
Larger branch sizes
available by special request!!
Lead times & minimum
quantities may apply.
Consult factory for details!!

**10-32 Thread to Tube Adjustable Elbows with Round Bodies & O-Ring Seal Installed****155**

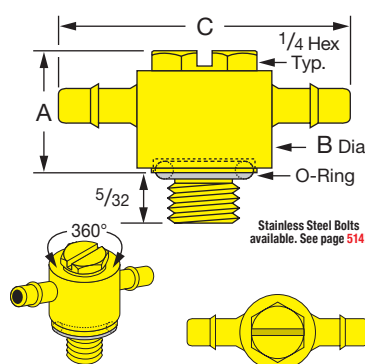
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
1/16	A10-LB1-R	A10-LB1-R-SS	A10-LB1-R-316SS	A10-LB1-R-NP	Consult Factory	Consult Factory	Consult Factory
5/64 / 2mm	A10-LB2-R	A10-LB2-R-SS	A10-LB2-R-316SS	A10-LB2-R-NP	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 & O-Ring Seal Installed**156**

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 & O-Ring Seal Installed**157**

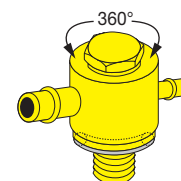
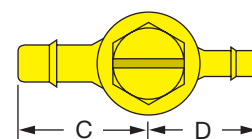
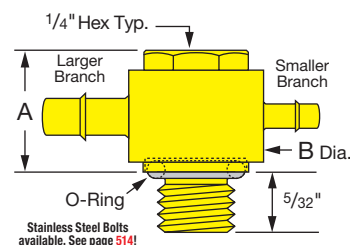
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
1/16	A10-T1-R	A10-T1-R-SS	A10-T1-R-316SS	A10-T1-R-NP	Consult Factory	Consult Factory	Consult Factory
5/64 / 2mm	A10-T2-R	A10-T2-R-SS	A10-T2-R-316SS	A10-T2-R-NP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

10-32 Thread Slotted Adjustable Tees with Round Bodies & O-Ring Seal Installed**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-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

159 10-32 Thread to Tube Adjustable Reducing Tees with Round Bodies & O-Ring Seal Installed

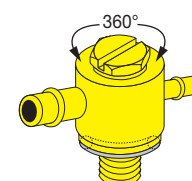
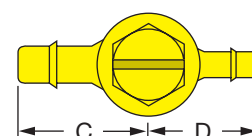
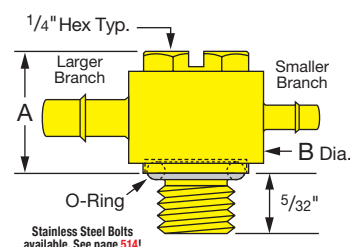
Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.	D Ref.
5/64 / 2mm	1/16	A10-RT2-1-R	A10-RT2-1-R-SS	A10-RT2-1-R-316SS	A10-RT2-1-R-NP	Consult Factory	Consult Factory	Consult Factory	Consult Factory
3/32	1/16	A10-RT2 1/2-1-R	A10-RT2 1/2-1-R-SS	A10-RT2 1/2-1-R-316SS	A10-RT2 1/2-1-R-NP	Consult Factory	Consult Factory	Consult Factory	Consult Factory
3/32	5/64 / 2mm	A10-RT2 1/2-2-R	A10-RT2 1/2-2-R-SS	A10-RT2 1/2-2-R-316SS	A10-RT2 1/2-2-R-NP	Consult Factory	Consult Factory	Consult Factory	Consult Factory
1/8	1/16	A10-RT3-1-R	A10-RT3-1-R-SS	A10-RT3-1-R-316SS	A10-RT3-1-R-NP	Consult Factory	Consult Factory	Consult Factory	Consult Factory
1/8	5/64 / 2mm	A10-RT3-2-R	A10-RT3-2-R-SS	A10-RT3-2-R-316SS	A10-RT3-2-R-NP	Consult Factory	Consult Factory	Consult Factory	Consult Factory
1/8	3/32	A10-RT3-2 1/2-R	A10-RT3-2 1/2-R-SS	A10-RT3-2 1/2-R-316SS	A10-RT3-2 1/2-R-NP	Consult Factory	Consult Factory	Consult Factory	Consult Factory
5/32 / 4mm	1/16	A10-RT3 1/2-1-R	A10-RT3 1/2-1-R-SS	A10-RT3 1/2-1-R-316SS	A10-RT3 1/2-1-R-NP	Consult Factory	Consult Factory	Consult Factory	Consult Factory
5/32 / 4mm	5/64 / 2mm	A10-RT3 1/2-2-R	A10-RT3 1/2-2-R-SS	A10-RT3 1/2-2-R-316SS	A10-RT3 1/2-2-R-NP	Consult Factory	Consult Factory	Consult Factory	Consult Factory
5/32 / 4mm	3/32	A10-RT3 1/2-2 1/2-R	A10-RT3 1/2-2 1/2-R-SS	A10-RT3 1/2-2 1/2-R-316SS	A10-RT3 1/2-2 1/2-R-NP	Consult Factory	Consult Factory	Consult Factory	Consult Factory
5/32 / 4mm	1/8	A10-RT3 1/2-3-R	A10-RT3 1/2-3-R-SS	A10-RT3 1/2-3-R-316SS	A10-RT3 1/2-3-R-NP	Consult Factory	Consult Factory	Consult Factory	Consult Factory



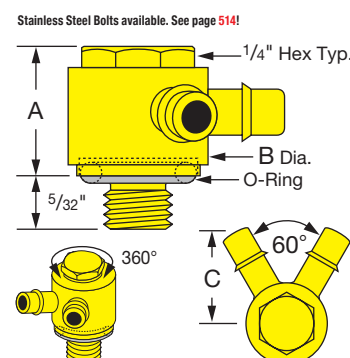
O-Ring material options on pg. 65.

160 10-32 Thread to Tube Slotted Adjustable Reducing Tees with Round Bodies & O-Ring Seal Installed

Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.	D Ref.
5/64 / 2mm	1/16	A10-RT2-1-R-SLOT	A10-RT2-1-R-SLOT-SS	A10-RT2-1-R-SLOT-316SS	A10-RT2-1-R-SLOT-NP	Consult Factory	Consult Factory	Consult Factory	Consult Factory
3/32	1/16	A10-RT2 1/2-1-R-SLOT	A10-RT2 1/2-1-R-SLOT-SS	A10-RT2 1/2-1-R-SLOT-316SS	A10-RT2 1/2-1-R-SLOT-NP	Consult Factory	Consult Factory	Consult Factory	Consult Factory
3/32	5/64 / 2mm	A10-RT2 1/2-2-R-SLOT	A10-RT2 1/2-2-R-SLOT-SS	A10-RT2 1/2-2-R-SLOT-316SS	A10-RT2 1/2-2-R-SLOT-NP	Consult Factory	Consult Factory	Consult Factory	Consult Factory
1/8	1/16	A10-RT3-1-R-SLOT	A10-RT3-1-R-SLOT-SS	A10-RT3-1-R-SLOT-316SS	A10-RT3-1-R-SLOT-NP	Consult Factory	Consult Factory	Consult Factory	Consult Factory
1/8	5/64 / 2mm	A10-RT3-2-R-SLOT	A10-RT3-2-R-SLOT-SS	A10-RT3-2-R-SLOT-316SS	A10-RT3-2-R-SLOT-NP	Consult Factory	Consult Factory	Consult Factory	Consult Factory
1/8	3/32	A10-RT3-2 1/2-R-SLOT	A10-RT3-2 1/2-R-SLOT-SS	A10-RT3-2 1/2-R-SLOT-316SS	A10-RT3-2 1/2-R-SLOT-NP	Consult Factory	Consult Factory	Consult Factory	Consult Factory
5/32 / 4mm	1/16	A10-RT3 1/2-1-R-SLOT	A10-RT3 1/2-1-R-SLOT-SS	A10-RT3 1/2-1-R-SLOT-316SS	A10-RT3 1/2-1-R-SLOT-NP	Consult Factory	Consult Factory	Consult Factory	Consult Factory
5/32 / 4mm	5/64 / 2mm	A10-RT3 1/2-2-R-SLOT	A10-RT3 1/2-2-R-SLOT-SS	A10-RT3 1/2-2-R-SLOT-316SS	A10-RT3 1/2-2-R-SLOT-NP	Consult Factory	Consult Factory	Consult Factory	Consult Factory
5/32 / 4mm	3/32	A10-RT3 1/2-2 1/2-R-SLOT	A10-RT3 1/2-2 1/2-R-SLOT-SS	A10-RT3 1/2-2 1/2-R-SLOT-316SS	A10-RT3 1/2-2 1/2-R-SLOT-NP	Consult Factory	Consult Factory	Consult Factory	Consult Factory
5/32 / 4mm	1/8	A10-RT3 1/2-3-R-SLOT	A10-RT3 1/2-3-R-SLOT-SS	A10-RT3 1/2-3-R-SLOT-316SS	A10-RT3 1/2-3-R-SLOT-NP	Consult Factory	Consult Factory	Consult Factory	Consult Factory


161 10-32 Thread Adjustable V-Tees with Round Bodies & O-Ring Seal Installed

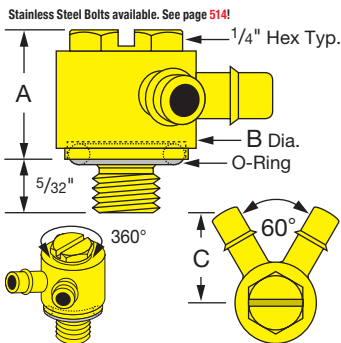
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.
1/16	A10-VT1-R	A10-VT1-R-SS	A10-VT1-R-316SS	A10-VT1-R-NP	Consult Factory	Consult Factory	Consult Factory
5/64 / 2mm	A10-VT2-R	A10-VT2-R-SS	A10-VT2-R-316SS	A10-VT2-R-NP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





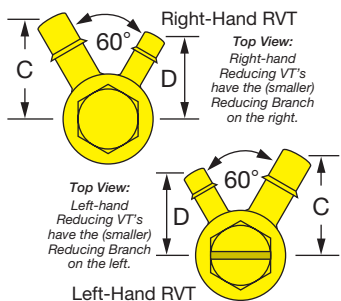
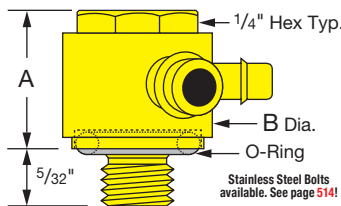
10-32 Thread Slotted Adjustable V-Tees with Round Bodies & O-Ring Seal Installed

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

10-32 Thread to Tube Adjustable Reducing V-Tees with Round Bodies & O-Ring Seal Installed 163

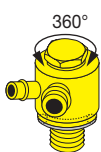
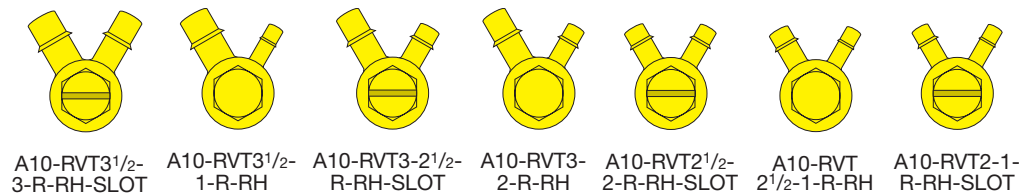


Larger Branch		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Dia.	C Ref.
5/64 / 2mm	2	Consult Factory	Consult Factory	Consult Factory
3/32	2 1/2	Consult Factory	Consult Factory	Consult Factory
1/8	3	Consult Factory	Consult Factory	Consult Factory
5/32 / 4mm	3 1/2	Consult Factory	Consult Factory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

Smaller Branch		Dimensions (Reference)
Tube ID	Branch Number	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

Slotted Bolts also available! See Below for Part Number Code!

O-Ring material options on pg. 65.

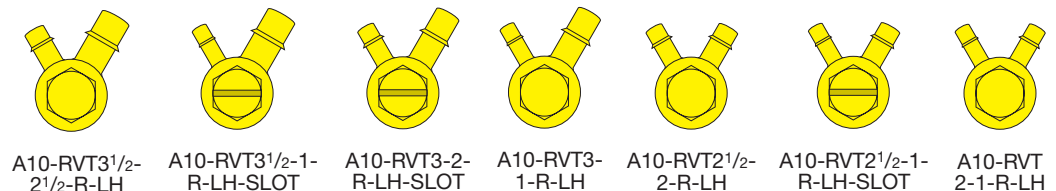


Part Numbers for 10-32 Thread to Tube Reducing Right-Hand V-Tees with O-Ring Installed:

Adjustable Bolt Thread Size	Fitting Series	Larger Branch #	Round Body Indicator	Smaller Branch #	Right-Hand Indicator
A10	RVT	#	#	R	RH

Material options listed below.

To order Slotted Bolts, please add the following code to the end of the part number:

-SLOT = Slotted Bolt

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

Adjustable Bolt Thread Size	Fitting Series	Larger Branch #	Round Body Indicator	Smaller Branch #	Left-Hand Indicator
A10	RVT	#	#	R	LH

Material options listed below.

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

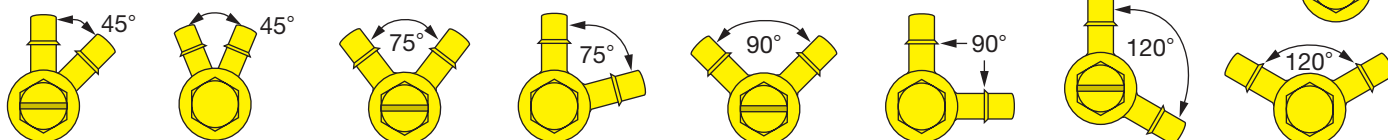
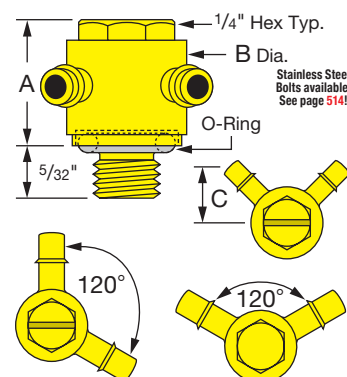
-SS = Stainless Steel 303**-316SS = Stainless Steel 316****-NP = Electroless Nickel Plate**

164 10-32 Thread to Tube Adjustable Custom V-Tees with Round Bodies & O-Ring Seal Installed

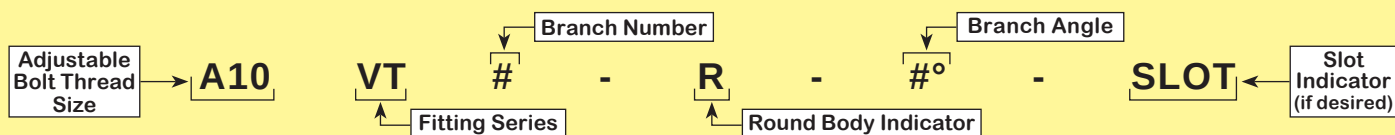
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Dia.	C Ref.
1/16	1	Consult Factory		
5/64 / 2mm	2	Consult Factory		
3/32	2 1/2	Consult Factory		

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		

Material options listed below!



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



Adjustable Custom V-Tees and Reducing V-Tees with Round Bodies are available with standard or slotted bolts! To order slotted bolts, add "-SLOT" to the end of the part number.

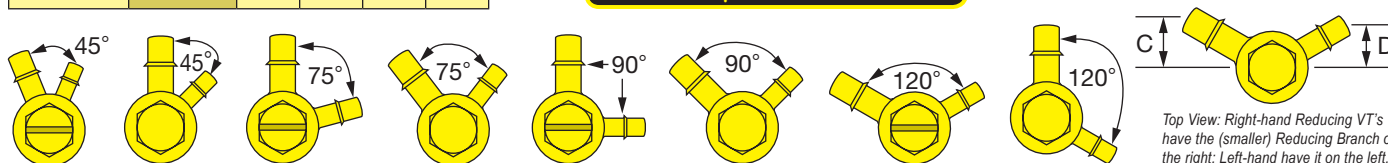
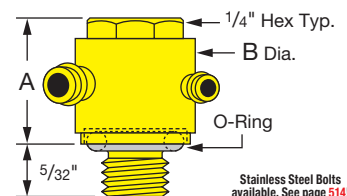
O-Ring material options listed on page 65!

165 10-32 Thread to Tube Adjustable Custom Reducing V-Tees with Round Bodies & O-Ring Seal Installed

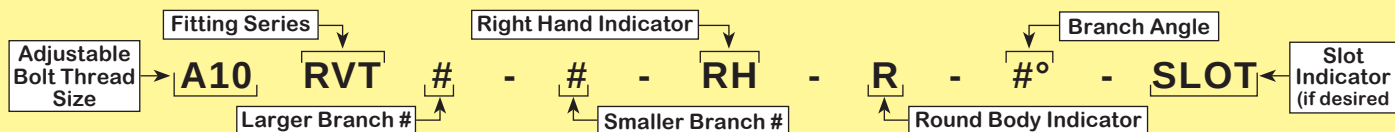
Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Dia.	C Ref.	D Ref.
1/16	1	Consult Factory			
5/64 / 2mm	2	Consult Factory			
3/32	2 1/2	Consult Factory			

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			

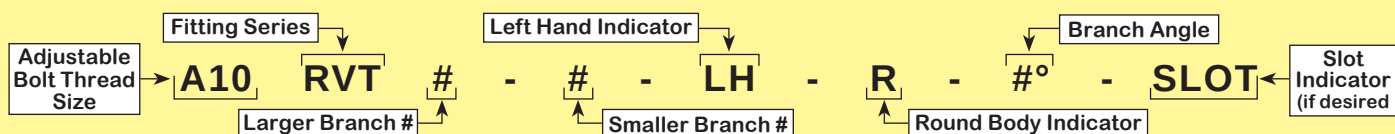
Material options listed below!



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 Left-Hand Reducing V-Tees with Round Bodies:

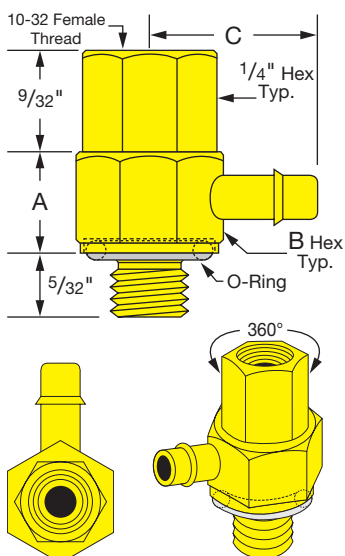


Unless otherwise specified, parts will be Brass. To order other materials, please add the following codes to the part number:

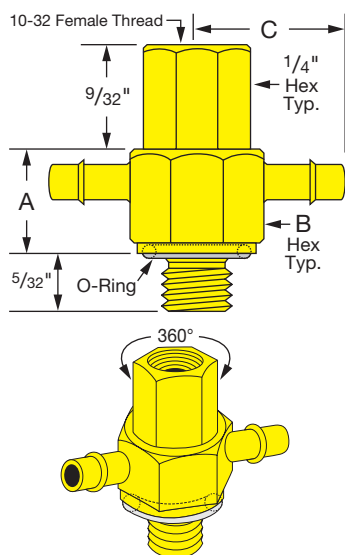
-SS = Stainless Steel 303

-316SS = Stainless Steel 316

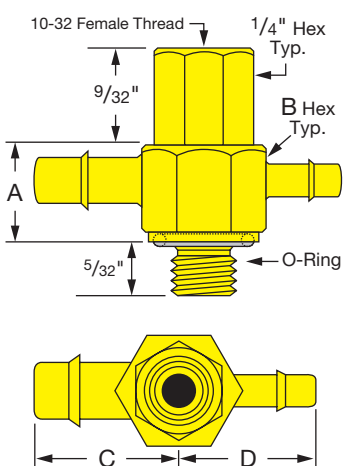
-NP = Electroless Nickel Plate

**10-32 Universal Adjustable Elbows with 10-32 Thread Female Bolts****166**

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

10-32 Universal Adjustable Tees with 10-32 Thread Female Bolts**167**

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	Consult Factory	5/16	Consult Factory
5/64 / 2mm	UA10-T2	UA10-T2-SS	UA10-T2-316SS	UA10-T2-NP	Consult Factory	5/16	Consult Factory
3/32	UA10-T2 1/2	UA10-T2 1/2-SS	UA10-T2 1/2-316SS	UA10-T2 1/2-NP	Consult Factory	5/16	Consult Factory
1/8	UA10-T3	UA10-T3-SS	UA10-T3-316SS	UA10-T3-NP	Consult Factory	5/16	Consult Factory
5/32 / 4mm	UA10-T3 1/2	UA10-T3 1/2-SS	UA10-T3 1/2-316SS	UA10-T3 1/2-NP	Consult Factory	5/16	Consult Factory
.170	UA10-T4	UA10-T4-SS	UA10-T4-316SS	UA10-T4-NP	Consult Factory	3/8	Consult Factory
3/16	UA10-T5	UA10-T5-SS	UA10-T5-316SS	UA10-T5-NP	Consult Factory	3/8	Consult Factory
7/32	UA10-T5 1/2	UA10-T5 1/2-SS	UA10-T5 1/2-316SS	UA10-T5 1/2-NP	Consult Factory	3/8	Consult Factory
6mm	UA10-T5 3/4	UA10-T5 3/4-SS	UA10-T5 3/4-316SS	UA10-T5 3/4-NP	Consult Factory	3/8	Consult Factory
1/4	UA10-T6	UA10-T6-SS	UA10-T6-316SS	UA10-T6-NP	Consult Factory	1/2	Consult Factory

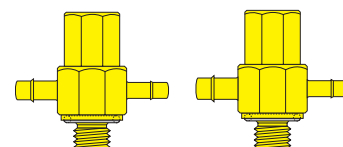
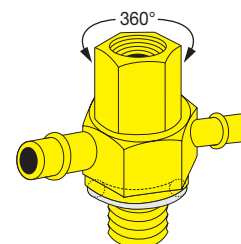
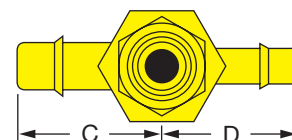
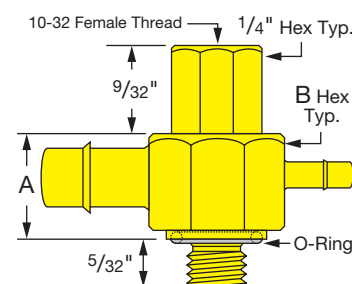
10-32 Universal Adjustable Reducing Tees with 10-32 Thread Female Bolts**168**

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

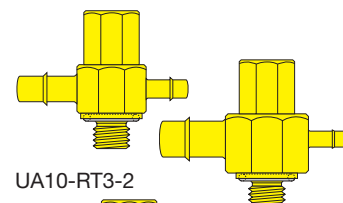
169

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

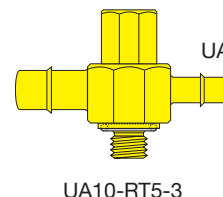
Tube ID		Part Numbers				Dimensions (Reference)			
Larger Branch	Smaller Branch	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
5/32 / 4mm	3/32	UA10-RT3 1/2-2 1/2	UA10-RT3 1/2-2 1/2-SS	UA10-RT3 1/2-2 1/2-316SS	UA10-RT3 1/2-2 1/2-NP	Factory	5/16	Factory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



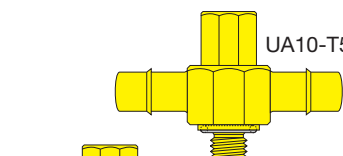
UA10-RT2-1 UA10-RT2 1/2-1



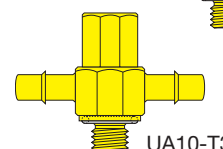
UA10-RT3-2 UA10-RT4-1



UA10-RT5-3



UA10-T5



UA10-T3

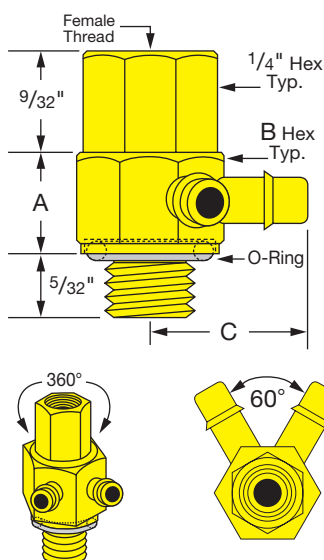
O-Ring material options on pg. 65.

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



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

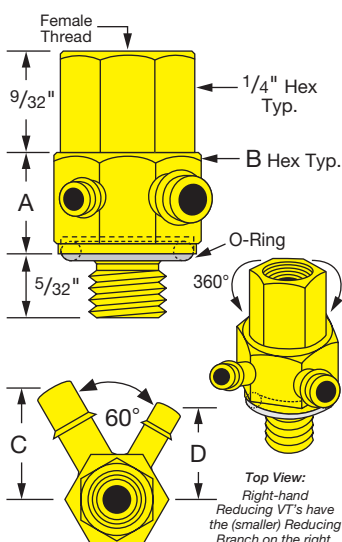
170



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	Consult Factory	Consult Factory	Consult Factory
5/64 / 2mm	UA10-VT2	UA10-VT2-SS	UA10-VT2-316SS	UA10-VT2-NP	Consult Factory	Consult Factory	Consult Factory
3/32	UA10-VT2 1/2	UA10-VT2 1/2-SS	UA10-VT2 1/2-316SS	UA10-VT2 1/2-NP	Consult Factory	Consult Factory	Consult Factory
1/8	UA10-VT3	UA10-VT3-SS	UA10-VT3-316SS	UA10-VT3-NP	Consult Factory	Consult Factory	Consult Factory
5/32 / 4mm	UA10-VT3 1/2	UA10-VT3 1/2-SS	UA10-VT3 1/2-316SS	UA10-VT3 1/2-NP	Consult Factory	Consult Factory	Consult Factory
.170	UA10-VT4	UA10-VT4-SS	UA10-VT4-316SS	UA10-VT4-NP	Consult Factory	Consult Factory	Consult Factory
3/16	UA10-VT5	UA10-VT5-SS	UA10-VT5-316SS	UA10-VT5-NP	Consult Factory	Consult Factory	Consult Factory
7/32	UA10-VT5 1/2	UA10-VT5 1/2-SS	UA10-VT5 1/2-316SS	UA10-VT5 1/2-NP	Consult Factory	Consult Factory	Consult Factory
6mm	UA10-VT5 3/4	UA10-VT5 3/4-SS	UA10-VT5 3/4-316SS	UA10-VT5 3/4-NP	Consult Factory	Consult Factory	Consult Factory
1/4	UA10-VT6	UA10-VT6-SS	UA10-VT6-316SS	UA10-VT6-NP	Consult Factory	Consult Factory	Consult Factory

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

171

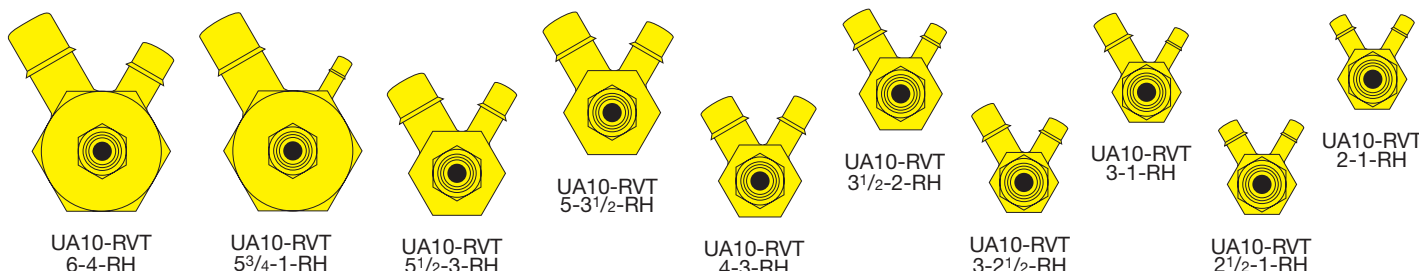


Larger Branch		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
5/64 / 2mm	2	Consult Factory	Consult Factory	Consult Factory
3/32	2 1/2	Consult Factory	Consult Factory	Consult Factory
1/8	3	Consult Factory	Consult Factory	Consult Factory
5/32 / 4mm	3 1/2	Consult Factory	Consult Factory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

Smaller Branch		Dimensions (Reference)
Tube ID	Branch Number	D Ref.
1/16	1	Consult Factory
5/64 / 2mm	2	Consult Factory
3/32	2 1/2	Consult Factory
1/8	3	Consult Factory
5/32 / 4mm	3 1/2	Consult Factory
.170	4	Consult Factory
3/16	5	Consult Factory
7/32	5 1/2	Consult Factory
6mm	5 3/4	Consult Factory

Part Numbers for 10-32 Universal Adjustable Reducing Right-Hand V-Tees with O-Ring Installed:

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



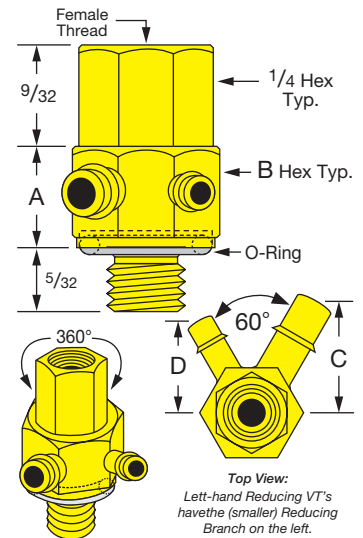
Unless otherwise specified, parts will be Brass. To order other materials, please add the following codes to the part number:

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

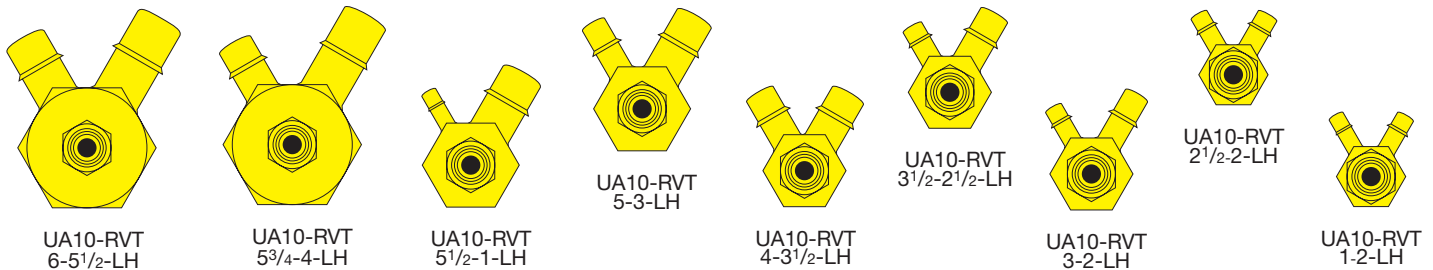
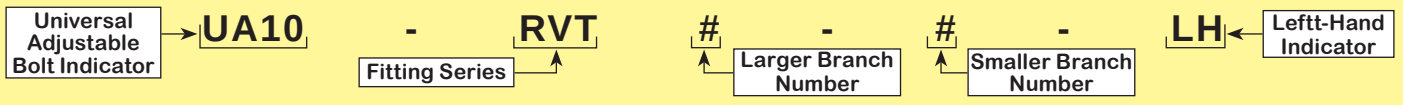
172 10-32 Universal Adjustable Reducing Left-Hand V-Tees with 10-32 Thread Female Bolt

Larger Branch		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
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
.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

Smaller Branch		Dimensions (Reference)
Tube ID	Branch Number	D Ref.
1/16	1	Consult Factory
5/64 / 2mm	2	Consult Factory
3/32	2 1/2	Consult Factory
1/8	3	Consult Factory
5/32 / 4mm	3 1/2	Consult Factory
.170	4	Consult Factory
3/16	5	Consult Factory
7/32	5 1/2	Consult Factory
6mm	5 3/4	Consult Factory



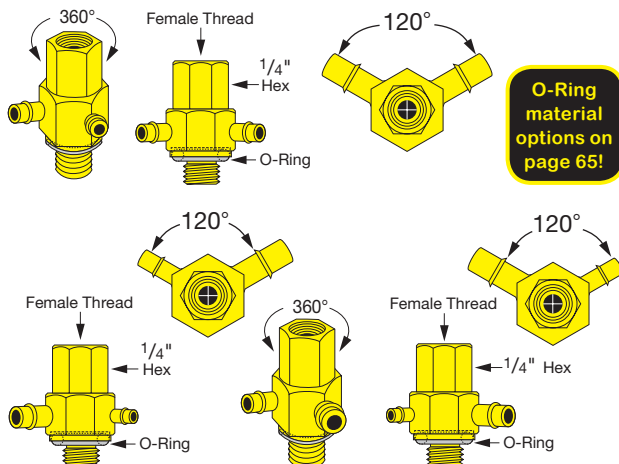
Part Numbers for 10-32 Universal Adjustable Reducing Left-Hand V-Tees with O-Ring Installed:



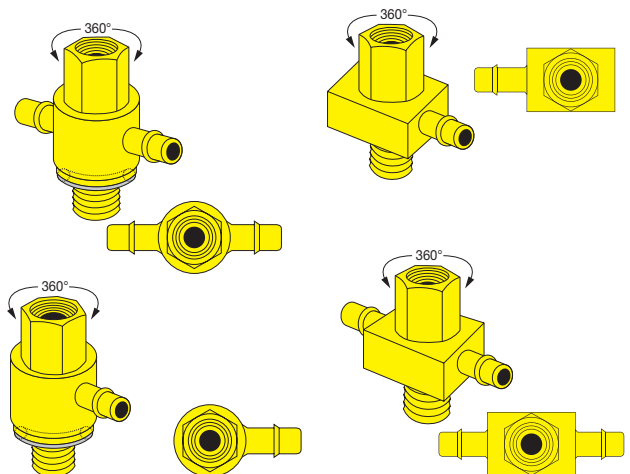
Unless otherwise specified, parts will be Brass. To order other materials, please add the following codes to the part number:

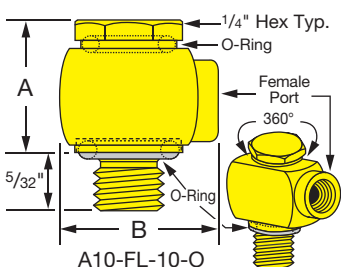
-SS = Stainless Steel 303 **-316SS = Stainless Steel 316** **-NP = Electroless Nickel Plate**

10-32 Universal V-Tees & Reducing V-Tees with Female Thread Bolts customized with 120° branches! Consult factory for details!

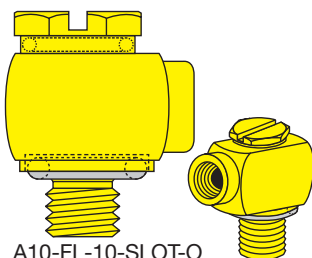
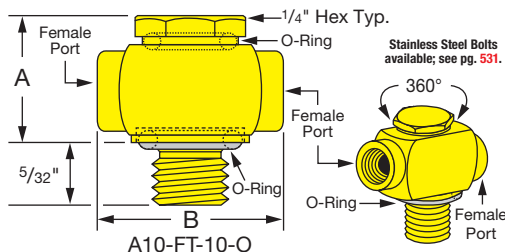


10-32 Universal Fitting with Female Thread Bolts are available with Round or Square Bodies! Consult factory for details!



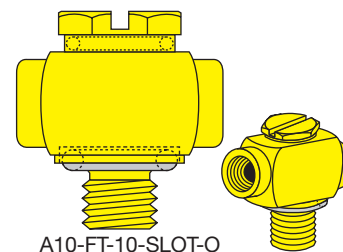
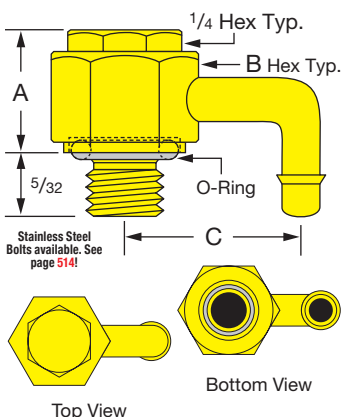
**10-32 Thread Adjustable & Slotted Adjustables with Female Port & O-Ring Seal Installed 173**

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

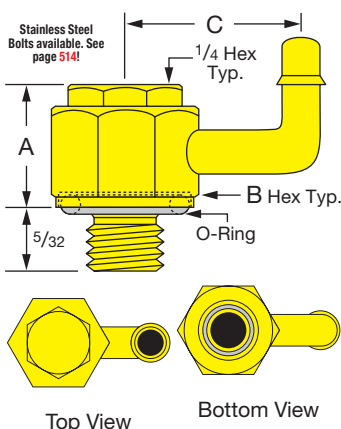


O-Ring material options on page 65!

Note:
Images are enlarged visual presentation.

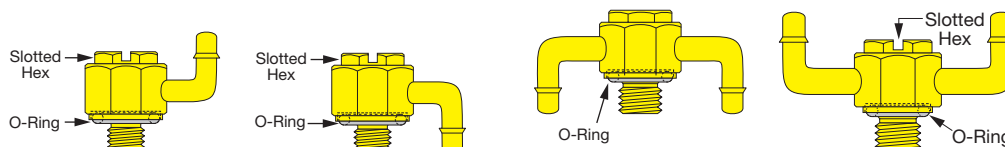
**10-32 Thread to Tube Adjustable 90° Base Elbows with O-Ring Seal Installed****174**

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

10-32 Thread to Tube Adjustable 90° Top Elbows with O-Ring Seal Installed**175**

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

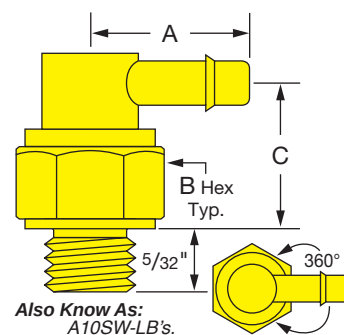
**Many other options available!
Consult factory for details!**



176

10-32 Swivel Elbows with Fibre Gasket Supplied

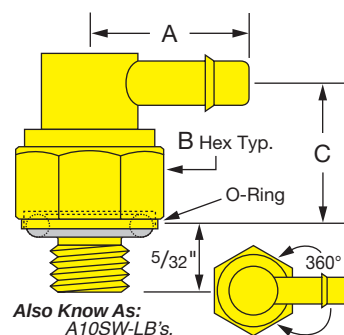
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	A10-SW-L1	<i>Stainless Steel available through GT Series! Consult Factory!!</i>		A10-SW-L1-NP	19/64	5/16	23/64
5/64 / 2mm	A10-SW-L2			A10-SW-L2-NP	19/64	5/16	23/64
3/32	A10-SW-L2 1/2			A10-SW-L2 1/2-NP	19/64	5/16	23/64
1/8	A10-SW-L3			A10-SW-L3-NP	3/8	5/16	11/32
5/32 / 4mm	A10-SW-L3 1/2	See page 498		A10-SW-L3 1/2-NP	3/8	5/16	11/32



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10-32 Swivel Elbows with O-Ring Seal Installed

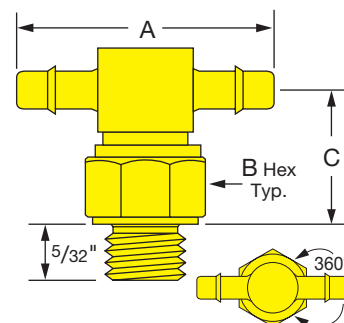
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	A10-SW-L1-O	<i>Stainless Steel available through GT Series! Consult Factory!!</i>		A10-SW-L1-O-NP	19/64	5/16	23/64
5/64 / 2mm	A10-SW-L2-O			A10-SW-L2-O-NP	19/64	5/16	23/64
3/32	A10-SW-L2 1/2-O			A10-SW-L2 1/2-O-NP	19/64	5/16	23/64
1/8	A10-SW-L3-O			A10-SW-L3-O-NP	3/8	5/16	11/32
5/32 / 4mm	A10-SW-L3 1/2-O	See page 498		A10-SW-L3 1/2-O-NP	3/8	5/16	11/32



178

10-32 Swivel Tees with Fibre Gasket Supplied

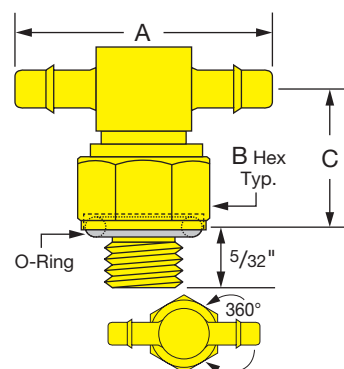
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	A10-SW-T1	<i>Stainless Steel available through GT Series! Consult Factory!!</i>		A10-SW-T1-NP	19/32	5/16	23/64
5/64 / 2mm	A10-SW-T2			A10-SW-T2-NP	19/32	5/16	23/64
3/32	A10-SW-T2 1/2			A10-SW-T2 1/2-NP	19/32	5/16	23/64
1/8	A10-SW-T3			A10-SW-T3-NP	27/32	5/16	25/64
5/32 / 4mm	A10-SW-T3 1/2	See page 499		A10-SW-T3 1/2-NP	27/32	5/16	25/64



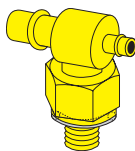
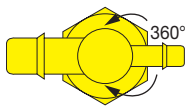
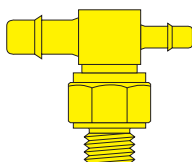
179

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	A10-SW-T1-O	<i>Stainless Steel available through GT Series! Consult Factory!!</i>		A10-SW-T1-O-NP	19/32	5/16	23/64
5/64 / 2mm	A10-SW-T2-O			A10-SW-T2-O-NP	19/32	5/16	23/64
3/32	A10-SW-T2 1/2-O			A10-SW-T2 1/2-O-NP	19/32	5/16	23/64
1/8	A10-SW-T3-O			A10-SW-T3-ONP	27/32	5/16	25/64
5/32 / 4mm	A10-SW-T3 1/2-O	See page 499		A10-SW-T3 1/2-O-NP	27/32	5/16	25/64



10-32 Reducing Swivel Tees also available!



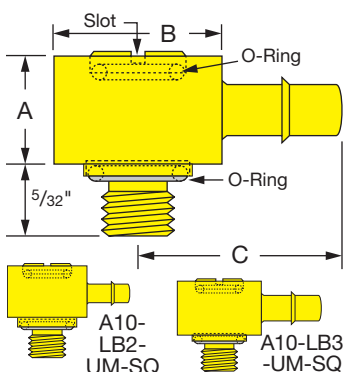
10-32 Swivel Fittings with square bodies also available! See pages 498-499!

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



10-32 Ultra-Miniature Slotted Elbows with Square Body

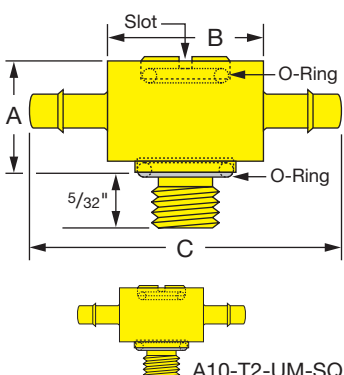
180



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

10-32 Ultra-Miniature Slotted Tees with Square Body

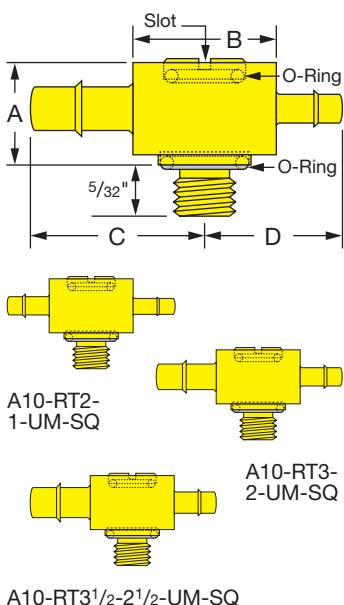
181



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	Consult Factory		
5/64 / 2mm	A10-T2-UM-SQ	A10-T2-UM-SQ-SS	A10-T2-UM-SQ-316SS	A10-T2-UM-SQ-NP	Consult Factory		
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	Consult Factory		
1/8	A10-T3-UM-SQ	A10-T3-UM-SQ-SS	A10-T3-UM-SQ-316SS	A10-T3-UM-SQ-NP	Consult Factory		
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	Consult Factory		

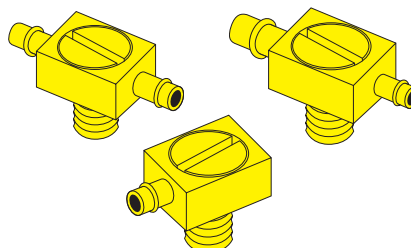
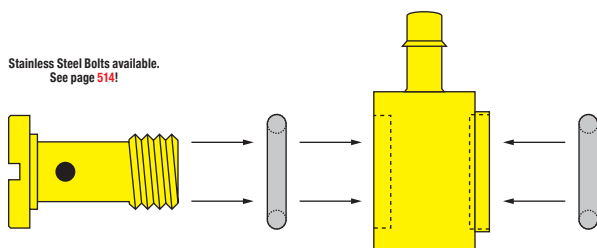
10-32 Ultra-Miniature Slotted Reducing Tees with Square Body

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

Stainless Steel Bolts available.
See page 514!



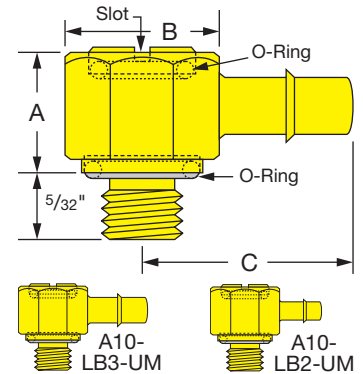
Nano Adjustable
Elbows also available!
See page 514!

See page 65 for a list
of O-Ring materials!

183

10-32 Ultra-Miniature Slotted Elbows with Hex Body

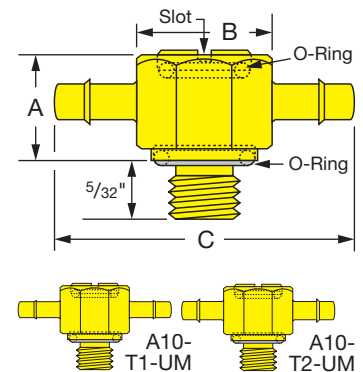
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	A10-LB1-UM	A10-LB1-UM-SS	A10-LB1-UM-316SS	A10-LB1-UM-NP	Consult Factory	5/16	3/8
5/64 / 2mm	A10-LB2-UM	A10-LB2-UM-SS	A10-LB2-UM-316SS	A10-LB2-UM-NP		5/16	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-NP		5/16	.406
1/8	A10-LB3-UM	A10-LB3-UM-SS	A10-LB3-UM-316SS	A10-LB3-UM-NP		5/16	.515
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-NP		5/16	.515



184

10-32 Ultra-Miniature Slotted Tees with Hex Body

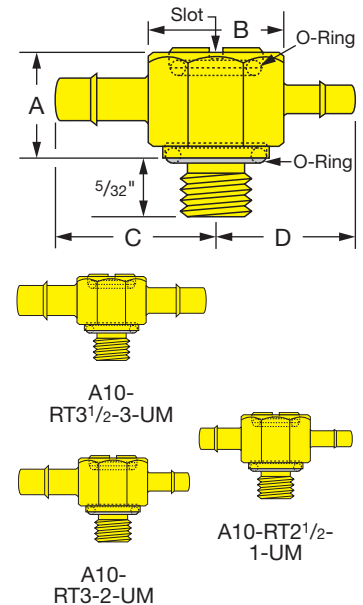
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	A10-T1-UM	A10-T1-UM-SS	A10-T1-UM-316SS	A10-T1-UM-NP	Consult Factory	5/16	3/8
5/64 / 2mm	A10-T2-UM	A10-T2-UM-SS	A10-T2-UM-316SS	A10-T2-UM-NP		5/16	3/8
3/32	A10-T2 1/2-UM	A10-T2 1/2-UM-SS	A10-T2 1/2-UM-316SS	A10-T2 1/2-UM-NP		5/16	.406
1/8	A10-T3-UM	A10-T3-UM-SS	A10-T3-UM-316SS	A10-T3-UM-NP		5/16	.515
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		5/16	.515



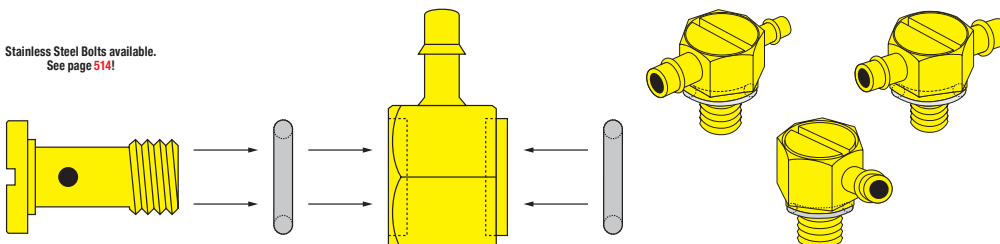
185

10-32 Ultra-Miniature Slotted 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	Consult Factory	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		5/16	.406	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		5/16	.406	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		5/16	.515	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		5/16	.515	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	Consult Factory	5/16	.515	.406
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		5/16	.515	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		5/16	.515	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		5/16	.515	.406
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		5/16	.515	.515



Stainless Steel Bolts available.
See page 514!



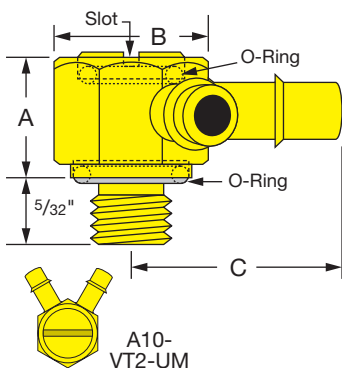
Nano Adjustable
Elbows also available!
See page 514!

See page 65 for a list
of O-Ring materials!



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

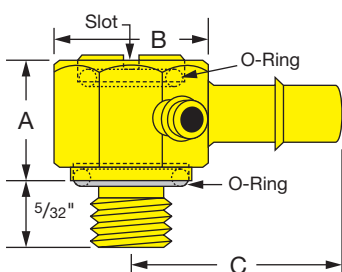
186



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	Consult Factory	5/16	3/8
5/64 / 2mm	A10-VT2-UM	A10-VT2-UM-SS	A10-VT2-UM-316SS	A10-VT2-UM-NP		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		5/16	.406
1/8	A10-VT3-UM	A10-VT3-UM-SS	A10-VT3-UM-316SS	A10-VT3-UM-NP		5/16	.515
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		5/16	.515

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

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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 material options on pg. 65.

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

Universal Adjustable Bolt	A10	-	RVT	#	-	#	-	LH	-	UM	Ultra Miniature Indicator
	Fitting Series			Larger Branch #		Smaller Branch #		Left-Hand Indicator			

Left-Hand Reducing VT's have the smaller branch on the left.

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

Universal Adjustable Bolt	A10	-	RVT	#	-	#	-	RH	-	UM	Ultra Miniature Indicator
	Fitting Series			Larger Branch #		Smaller Branch #		Right-Hand Indicator			

Right-Hand Reducing VT's have the smaller branch on the right.



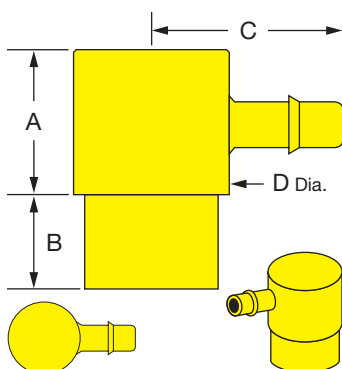
Unless otherwise specified, parts will be Brass. For other materials, add the following codes to the part number:

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



Un-Threaded Press Fit 90° Elbows

188

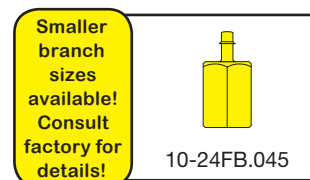
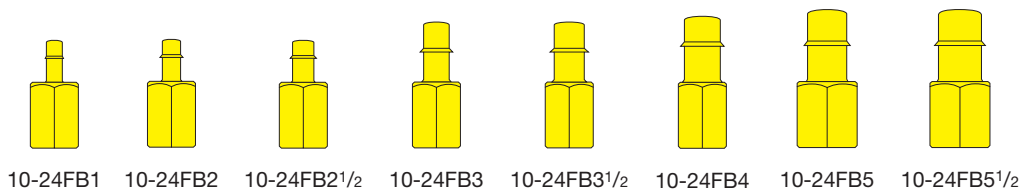
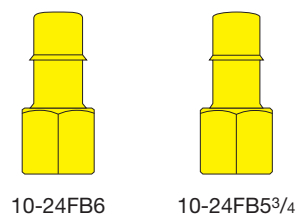
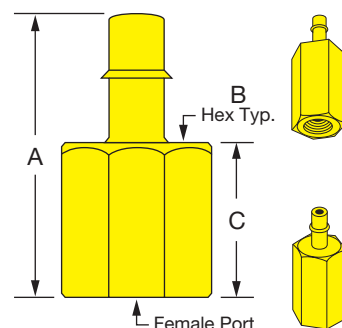


Tube ID	Press In Dimension	Part Numbers	Dimensions (Reference)			
		Brass	A Ref.	B Ref.	C Ref.	D Ref.
1/16	Consult Factory	LB1-PF	1/4	3/16	1 1/32	1/4
5/64 / 2mm	Consult Factory	LB2-PF	1/4	3/16	1 1/32	1/4
3/32	Consult Factory	LB2 1/2-PF	1/4	3/16	1 1/32	1/4
1/8	Consult Factory	LB3-PF	1/4	3/16	7/16	1/4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

189

10-24 Female Thread to Tube

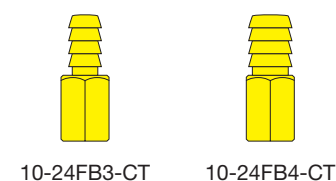
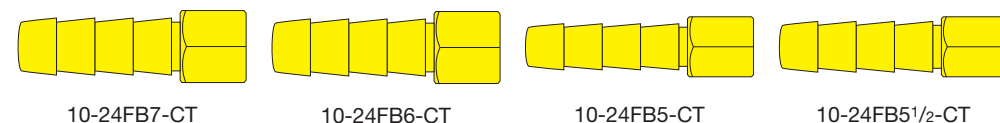
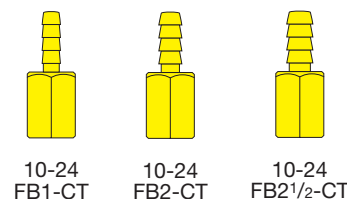
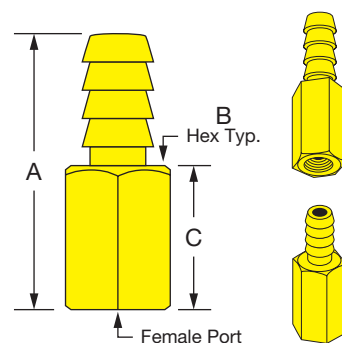
Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	10-24FB1	10-24FB1-SS	10-24FB1-316SS	10-24FB1-AL	10-24FB1-NP	1 1/16	1/4	1 1/32
5/64 / 2mm	10-24FB2	10-24FB2-SS	10-24FB2-316SS	10-24FB2-AL	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



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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



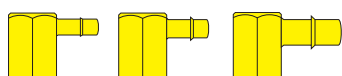
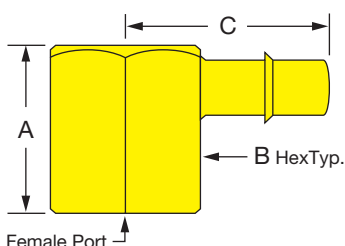
Other Multiple Barb Fittings available! Thread sizes & Tube ID's up to 2 inches!

Peak® fittings available upon request!



10-24 Female Threaded Elbows

191

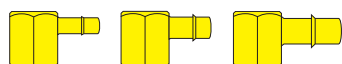
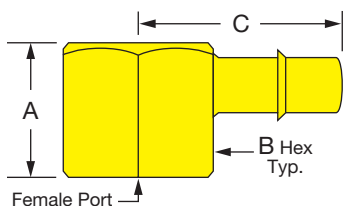


10-24FLB1 10-24FLB2 10-24FLB3

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	10-24FLB1	10-24FLB1-SS	10-24FLB1-316SS	10-24FLB1-NP	11/32	1/4	11/32
5/64/2mm	10-24FLB2	10-24FLB2-SS	10-24FLB2-316SS	10-24FLB2-NP	11/32	1/4	11/32
3/32	10-24FLB2 1/2	10-24FLB2 1/2-SS	10-24FLB2 1/2-316SS	10-24FLB2 1/2-NP	11/32	1/4	11/32
1/8	10-24FLB3	10-24FLB3-SS	10-24FLB3-316SS	10-24FLB3-NP	11/32	1/4	7/16
5/32/4mm	10-24FLB3 1/2	10-24FLB3 1/2-SS	10-24FLB3 1/2-316SS	10-24FLB3 1/2-NP	11/32	1/4	7/16
.170	10-24FLB4	10-24FLB4-SS	10-24FLB4-316SS	10-24FLB4-NP	11/32	1/4	15/32

10-24 Female Threaded Elbows with Short Bodies

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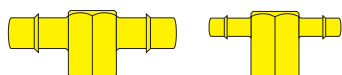
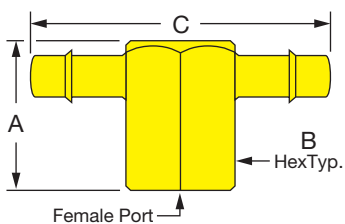


10-24FLB1-SH 10-24FLB2 1/2-SH 10-24FLB3-SH

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	10-24FLB1-SH	10-24FLB1-SH-SS	10-24FLB1-SH-316SS	10-24FLB1-SH-NP	9/32	1/4	11/32
5/64/2mm	10-24FLB2-SH	10-24FLB2-SH-SS	10-24FLB2-SH-316SS	10-24FLB2-SH-NP	9/32	1/4	11/32
3/32	10-24FLB2 1/2-SH	10-24FLB2 1/2-SH-SS	10-24FLB2 1/2-SH-316SS	10-24FLB2 1/2-SH-NP	9/32	1/4	11/32
1/8	10-24FLB3-SH	10-24FLB3-SH-SS	10-24FLB3-SH-316SS	10-24FLB3-SH-NP	9/32	1/4	9/16
5/32/4mm	10-24FLB3 1/2-SH	10-24FLB3 1/2-SH-SS	10-24FLB3 1/2-SH-316SS	10-24FLB3 1/2-SH-NP	9/32	1/4	9/16

10-24 Female Threaded Tees

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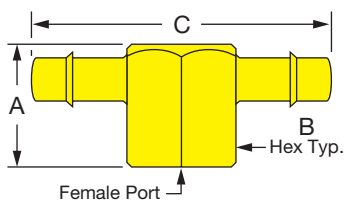


10-24FT3 1/2 10-24FT2

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	10-24FT1	10-24FT1-SS	10-24FT1-316SS	10-24FT1-NP	11/32	1/4	11/16
5/64/2mm	10-24FT2	10-24FT2-SS	10-24FT2-316SS	10-24FT2-NP	11/32	1/4	11/16
3/32	10-24FT2 1/2	10-24FT2 1/2-SS	10-24FT2 1/2-316SS	10-24FT2 1/2-NP	11/32	1/4	11/16
1/8	10-24FT3	10-24FT3-SS	10-24FT3-316SS	10-24FT3-NP	11/32	1/4	7/8
5/32/4mm	10-24FT3 1/2	10-24FT3 1/2-SS	10-24FT3 1/2-316SS	10-24FT3 1/2-NP	11/32	1/4	7/8
.170	10-24FT4	10-24FT4-SS	10-24FT4-316SS	10-24FT4-NP	11/32	1/4	15/16

10-24 Female Threaded Tees with Short Bodies

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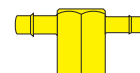
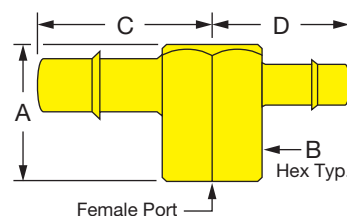
10-24FT1-SH 10-24FT2 1/2-SH

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	10-24FT1-SH	10-24FT1-SH-SS	10-24FT1-SH-316SS	10-24FT1-SH-NP	9/32	1/4	11/32
5/64/2mm	10-24FT2-SH	10-24FT2-SH-SS	10-24FT2-SH-316SS	10-24FT2-SH-NP	9/32	1/4	11/32
3/32	10-24FT2 1/2-SH	10-24FT2 1/2-SH-SS	10-24FT2 1/2-SH-316SS	10-24FT2 1/2-SH-NP	9/32	1/4	11/32
1/8	10-24FT3-SH	10-24FT3-SH-SS	10-24FT3-SH-316SS	10-24FT3-SH-NP	9/32	1/4	7/8
5/32/4mm	10-24FT3 1/2-SH	10-24FT3 1/2-SH-SS	10-24FT3 1/2-SH-316SS	10-24FT3 1/2-SH-NP	9/32	1/4	7/8

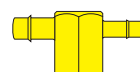
195

10-24 Female Threaded Reducing Tees

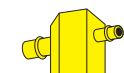
Tube ID		Part Numbers				Dimensions (Reference)			
Larger Branch	Smaller Branch	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
5/64/ 2mm	1/16	10-24FRT2-1	10-24FRT2-1-SS	10-24FRT2-1-316SS	10-24FRT2-1-NP	1 1/32	1/4	1 1/32	1 1/32
3/32	1/16	10-24FRT 2 1/2-1	10-24FRT2 1/2-1-SS	10-24FRT2 1/2-1-316SS	10-24FRT2 1/2-1-NP	1 1/32	1/4	1 1/32	1 1/32
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	1 1/32	1/4	1 1/32	1 1/32
1/8	1/16	10-24FRT3-1	10-24FRT3-1-SS	10-24FRT3-1-316SS	10-24FRT3-1-NP	1 1/32	1/4	9/16	1 1/32
1/8	5/64/ 2mm	10-24FRT3-2	10-24FRT3-2-SS	10-24FRT3-2-316SS	10-24FRT3-2-NP	1 1/32	1/4	9/16	1 1/32
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	1 1/32	1/4	9/16	1 1/32
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	1 1/32	1/4	9/16	1 1/32
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	1 1/32	1/4	9/16	1 1/32
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	1 1/32	1/4	9/16	1 1/32
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	1 1/32	1/4	9/16	9/16
.170	1/16	10-24FRT4-1	10-24FRT4-1-SS	10-24FRT4-1-316SS	10-24FRT4-1-NP	1 1/32	1/4	15/16	1 1/32
.170	5/64/ 2mm	10-24FRT4-2	10-24FRT4-2-SS	10-24FRT4-2-316SS	10-24FRT4-2-NP	1 1/32	1/4	15/16	1 1/32
.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	1 1/32	1/4	15/16	1 1/32
.170	1/8	10-24FRT4-3	10-24FRT4-3-SS	10-24FRT4-3-316SS	10-24FRT4-3-NP	1 1/32	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	1 1/32	1/4	15/16	9/16



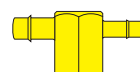
10-24FRT2-1



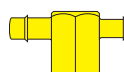
10-24FRT2 1/2-1



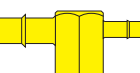
10-24FRT2 1/2-2



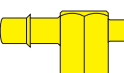
10-24FRT3-1



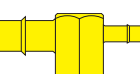
10-24FRT3-2 1/2



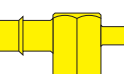
10-24FRT3 1/2-1



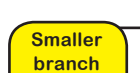
10-24FRT3 1/2-2



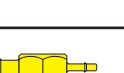
10-24FRT3 1/2-3



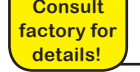
10-24FRT4-1



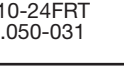
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10-24FRT4-2 1/2



10-24FRT4-3



10-24FRT4-3 1/2

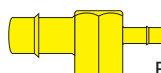
Smaller branch sizes available! Consult factory for details!



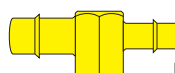
10-24FRT .050-031



10-24FRT3 1/2-3



10-24FRT4-1



10-24FRT4-3

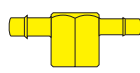
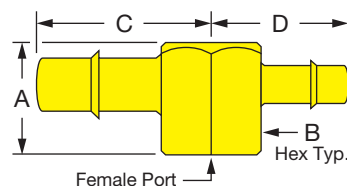


10-24FRT4-3 1/2

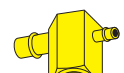
196

10-24 Female Threaded Reducing Tees with Short Bodies

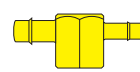
Tube ID		Part Numbers				Dimensions (Reference)			
Larger Branch	Smaller Branch	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
5/64/ 2mm	1/16	10-24FRT2-1-SH	10-24FRT2-1-SH-SS	10-24FRT2-1-SH-316SS	10-24FRT2-1-SH-NP	9/32	1/4	1 1/32	1 1/32
3/32	1/16	10-24FRT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



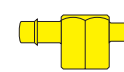
10-24FRT2-1-SH



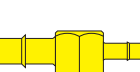
10-24FRT2 1/2-1-SH



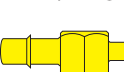
10-24FRT2 1/2-2-SH



10-24FRT3-1-SH



10-24FRT3-2-SH



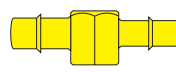
10-24FRT3 1/2-1-SH



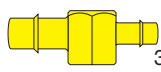
10-24FRT3 1/2-2-SH



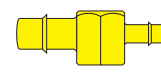
10-24FRT3 1/2-3-SH



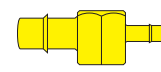
10-24FRT3 1/2-3-SH



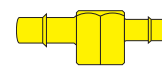
10-24FRT3 1/2-2 1/2-SH



10-24FRT3 1/2-2-SH



10-24FRT3 1/2-1-SH

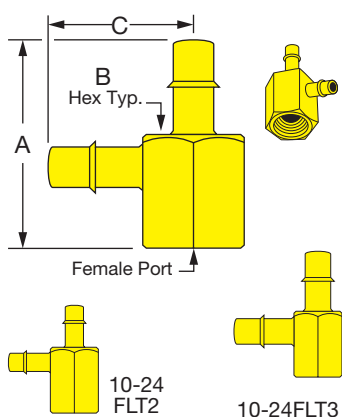


10-24FRT3 1/2-1-SH



10-24 Female Threaded L-Tees

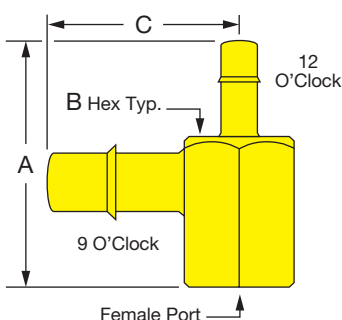
197



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	1 5/32

10-24 Female Threaded Reducing L-Tees

198

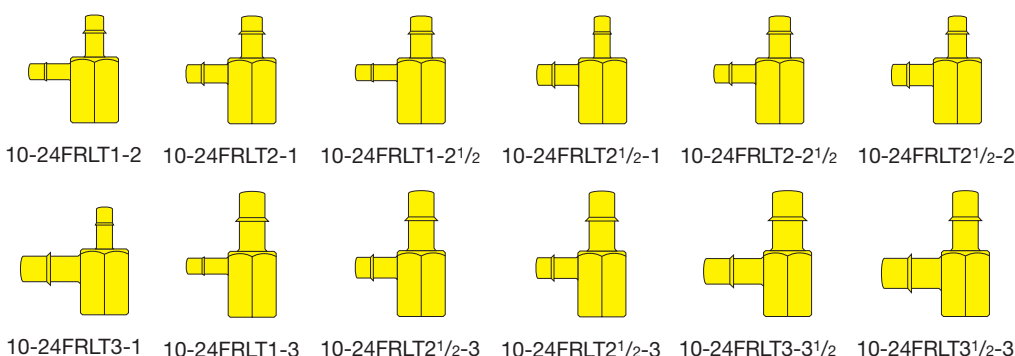
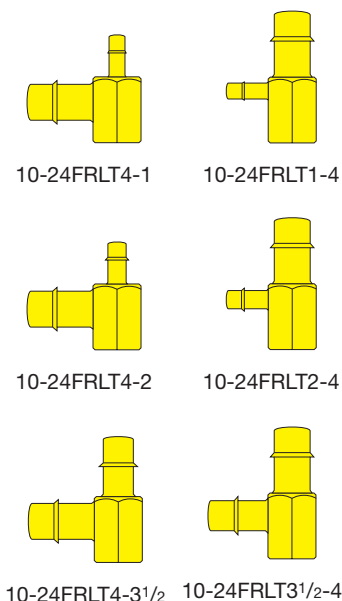


Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/16	1	9/16	1/4	1 1/32
5/64 / 2mm	2	9/16	1/4	1 1/32
3/32	2 1/2	9/16	1/4	1 1/32

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	1 5/32

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 #	



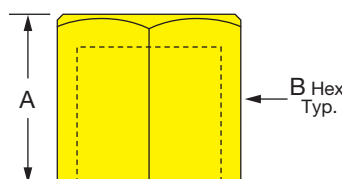
Unless otherwise specified, parts will be Brass.

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

10-24 Female Caps

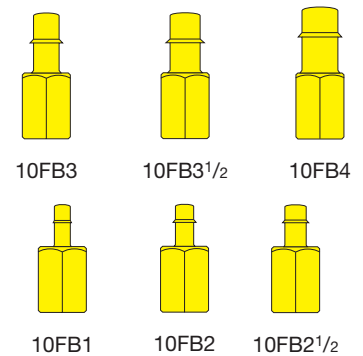
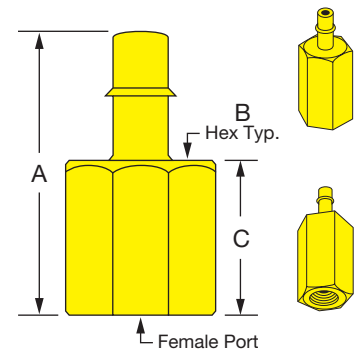
199



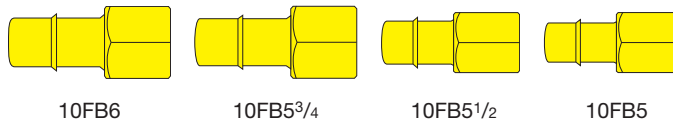
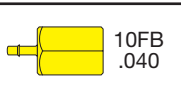
Body Style	Part Numbers					Dimensions (Reference)	
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.
Regular	10-24-CAP	10-24-CAP-SS	10-24-CAP-316SS	10-24-CAP-AL	10-24-CAP-NP	1 1/32	1/4
Short	10-24-CAP-SH	10-24-CAP-SH-SS	10-24-CAP-SH-316SS	10-24-CAP-SH-AL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

200
10-32 Female Thread to Tube

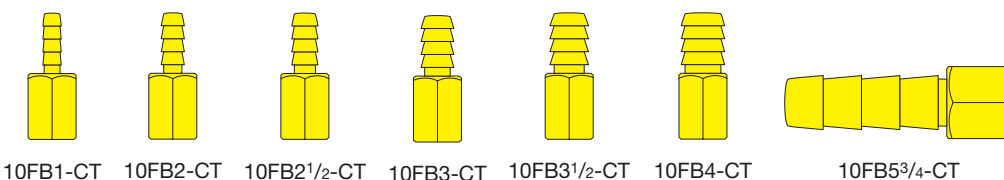
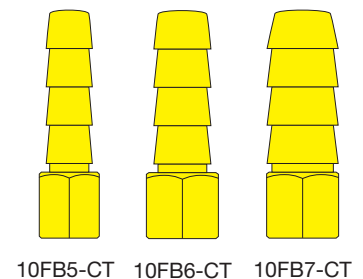
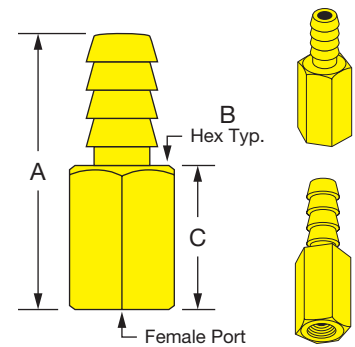
Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	10FB1	10FB1-SS	10FB1-316SS	10FB1-AL	10FB1-NP	9/16	1/4	1 1/32
5/64 / 2mm	10FB2	10FB2-SS	10FB2-316SS	10FB2-AL	10FB2-NP	9/16	1/4	1 1/32
3/32	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!


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



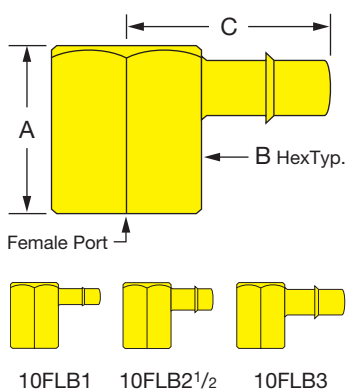
Other Multiple Barb Fittings available! Thread sizes & Tube ID's up to 2 inches!

Peak® fittings available upon request!



10-32 Female Threaded Elbows

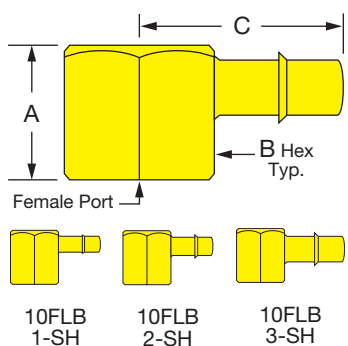
202



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

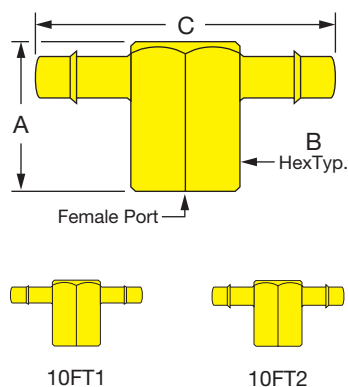
203



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

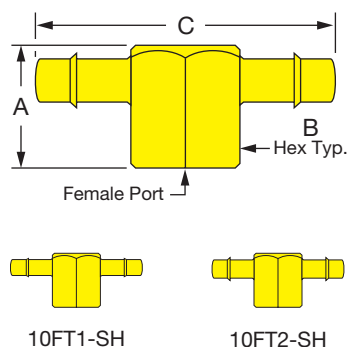
204



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

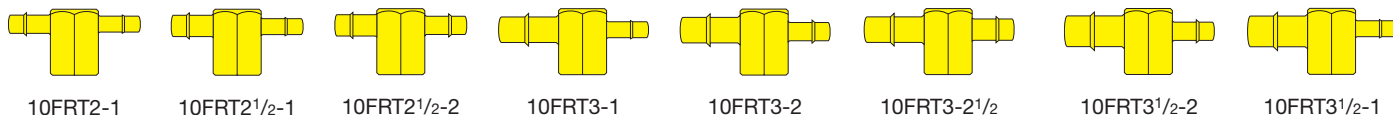
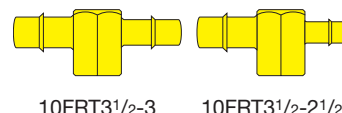
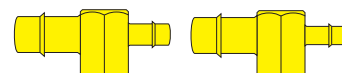
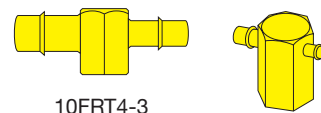
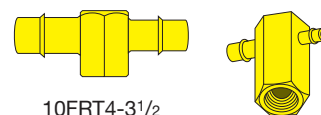
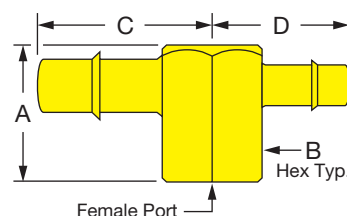


Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	10FT1-SH	10FT1-SH-SS	10FT1-SH-316SS	10FT1-SH-NP	9/32	1/4	1 1/32
5/64/2mm	10FT2-SH	10FT2-SH-SS	10FT2-SH-316SS	10FT2-SH-NP	9/32	1/4	1 1/32
3/32	10FT2 1/2-SH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

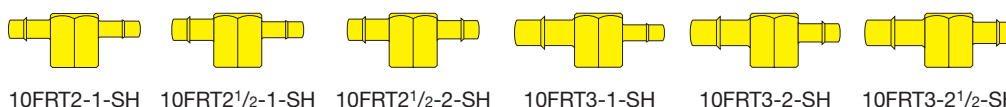
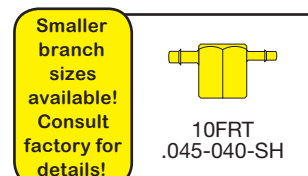
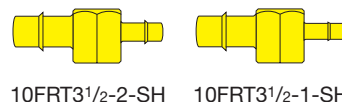
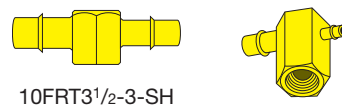
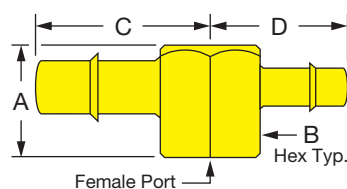
Tube ID		Part Numbers				Dimensions (Reference)			
Larger Branch	Smaller Branch	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
5/64/ 2mm	1/16	10FRT2-1	10FRT2-1-SS	10FRT2-1-316SS	10FRT2-1-NP	11/32	1/4	11/32	11/32
3/32	1/16	10FRT2 1/2-1	10FRT2 1/2-1-SS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



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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

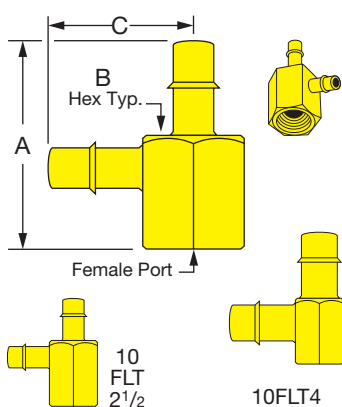


Note: Images are for visual representation only. Dimensions may vary at the time of manufacturing. Consult factory for details!



10-32 Female Threaded L-Tees

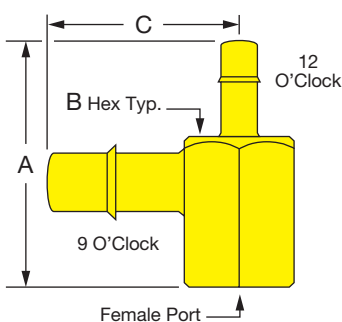
208



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

10-32 Female Threaded Reducing L-Tees

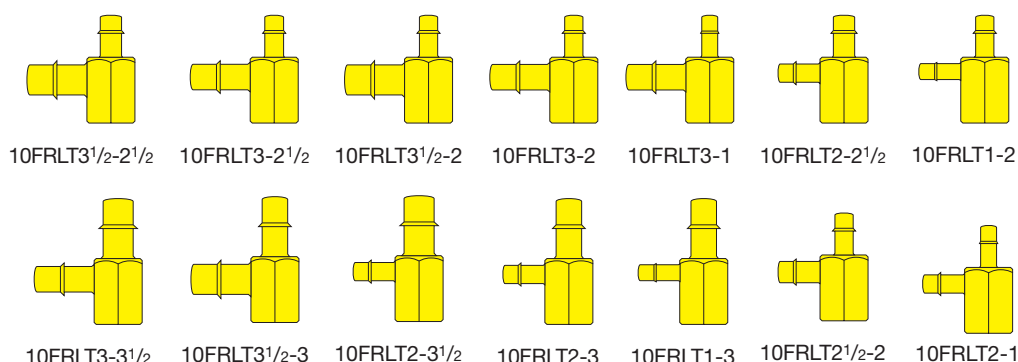
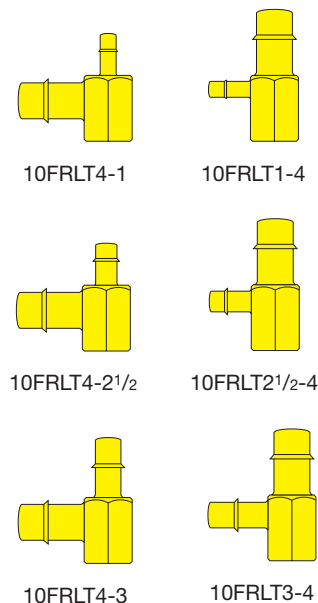
209



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

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



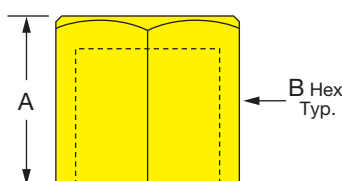
Unless otherwise specified, parts will be Brass.

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

10-32 Female Caps

210

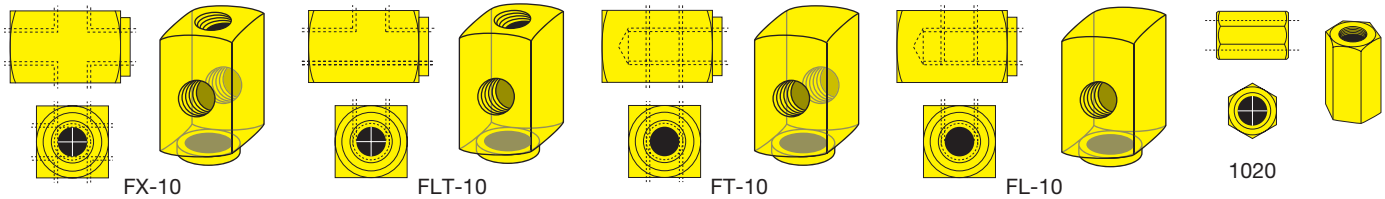
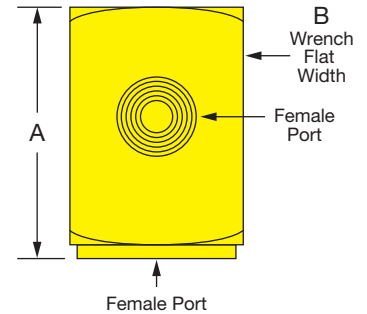


Body Style	Part Numbers					Dimensions (Reference)	
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.
Regular	10-CAP	10-CAP-SS	10-CAP-316SS	10-CAP-AL	10-CAP-NP	1 1/32	1/4
Short	10-CAP-SH	10-CAP-SH-SS	10-CAP-SH-316SS	10-CAP-SH-AL	10-CAP-SH-NP	9/32	1/4

211

10-32 Female to Female Thread Fittings

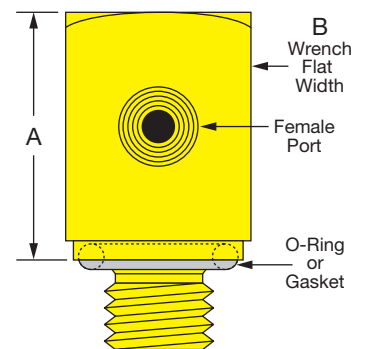
Type of Fitting	Part Numbers					Dimensions (Reference)	
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Ref.
Hex Coupling	1020	1020-SS	1020-316SS	1020-AL	1020-NP	3/8	1/4
Square Elbow	FL-10	FL-10-SS	FL-10-316SS	FL-10-AL	FL-10-NP	5/8	3/8
Square L-Tee	FLT-10	FLT-10-SS	FLT-10-316SS	FLT-10-AL	FLT-10-NP	5/8	3/8
Square Tee	FT-10	FT-10-SS	FT-10-316SS	FT-10-AL	FT-10-NP	5/8	3/8
Square Cross	FX-10	FX-10-SS	FX-10-316SS	FX-10-AL	FX-10-NP	5/8	3/8



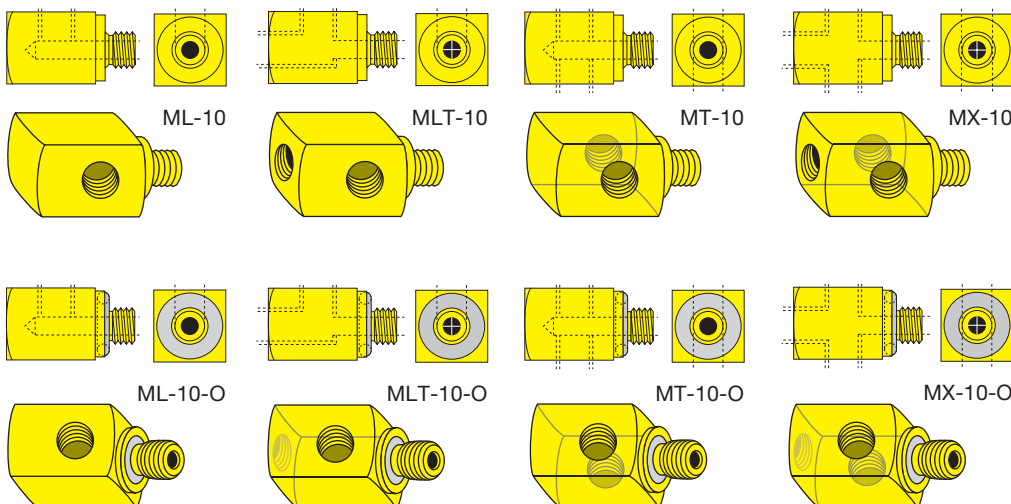
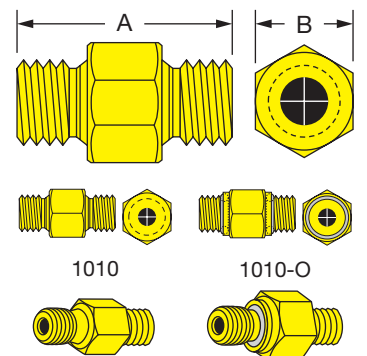
212

10-32 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	3/8	1/4
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 LTee w/ GA-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/ 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



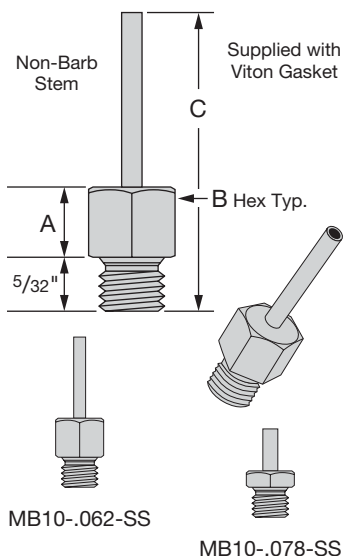
See F-Series (page 458) for more fittings with 10-32 female ports!

F Series 10-32 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

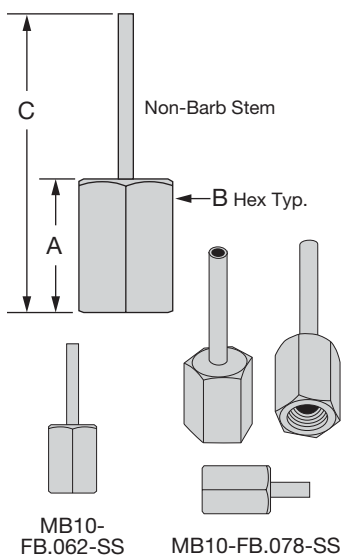


Tube OD	Part Numbers		Dimensions (Reference)		
	Stainless Steel 303 Fitting Body	Stainless Steel 316 Fitting Body	A Ref.	B Typ.	C Ref.
.012	MB10-.012-SS	MB10-.012-316SS	13/64	1/4	.822
.020	MB10-.020-SS	MB10-.020-316SS	13/64	1/4	.668
.025	MB10-.025-SS	MB10-.025-316SS	13/64	1/4	.738
.040	MB10-.040-SS	MB10-.040-316SS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

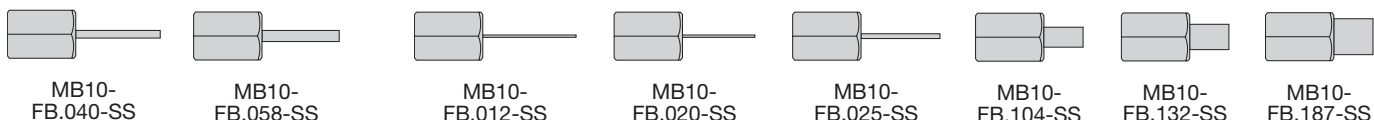


10-32 Female Thread Fittings with 304 Stainless Steel Microbore Stems

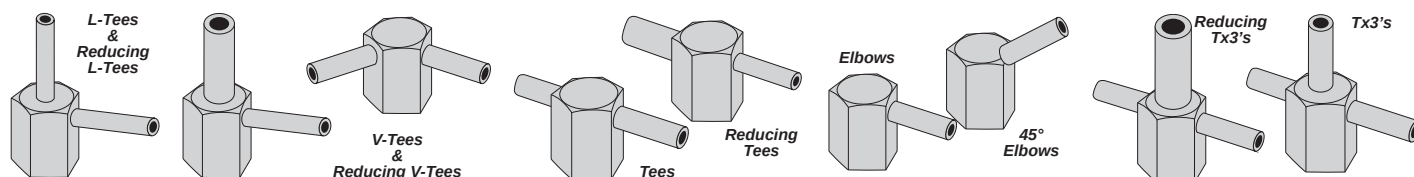
214



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	.354	1/4	.842
.020	MB10-FB.020-SS	MB10-FB.020-316SS	.354	1/4	.733
.025	MB10-FB.025-SS	MB10-FB.025-316SS	.354	1/4	.767
.040	MB10-FB.040-SS	MB10-FB.040-316SS	.354	1/4	.794
.058	MB10-FB.058-SS	MB10-FB.058-316SS	.354	1/4	.756
.062	MB10-FB.062-SS	MB10-FB.062-316SS	.354	1/4	.779
.078	MB10-FB.078-SS	MB10-FB.078-316SS	.354	1/4	.564
.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		

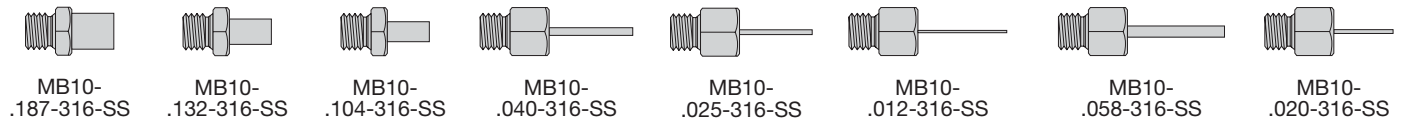
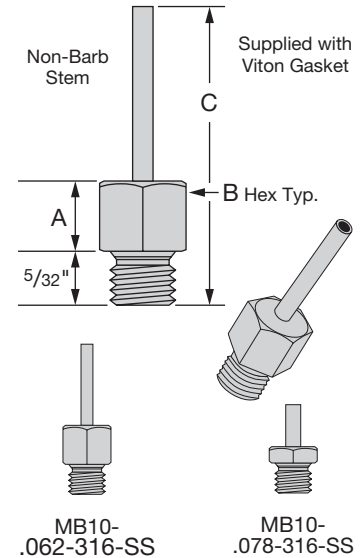


Many Options of Female Threaded Fittings with Microbore Stems Available! Consult Factory for Details!

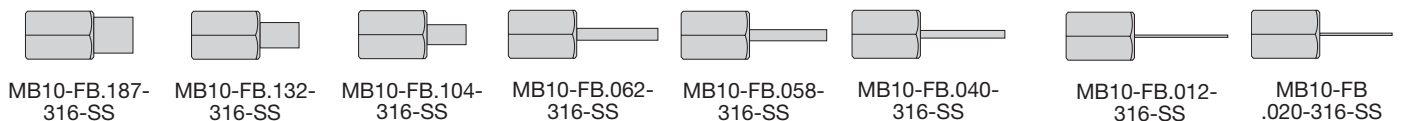
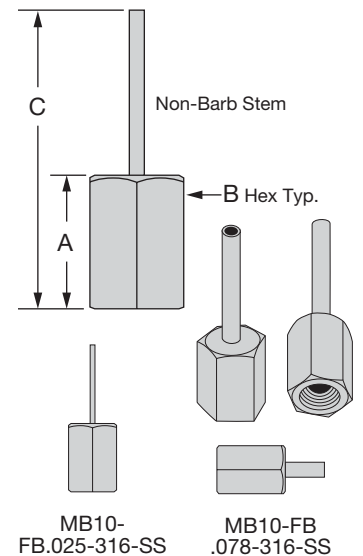


215
10-32 Male Thread Fittings with 316 Stainless Steel Microbore Stem

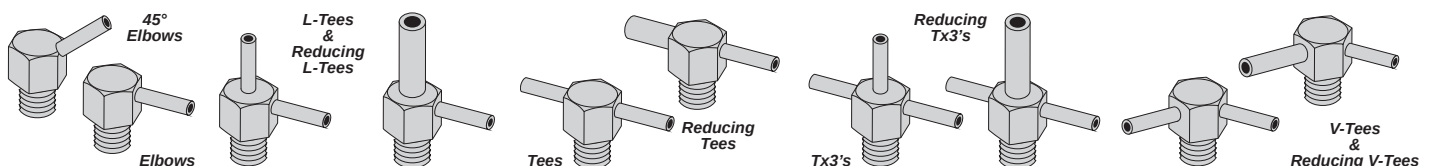
Tube OD	Part Numbers		Dimensions (Reference)		
	Stainless Steel 303 Fitting Body	Stainless Steel 316 Fitting Body	A Ref.	B Typ.	C Ref.
.012	MB10-.012-316-SS	MB10-.012-316-316SS	13/64	1/4	.822
.020	MB10-.020-316-SS	MB10-.020-316-316SS	13/64	1/4	.668
.025	MB10-.025-316-SS	MB10-.025-316-316SS	13/64	1/4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


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10-32 Female Thread Fittings 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 Typ.	C Ref.
.012	MB10-FB.012-316-SS	MB10-FB.012-316-316SS	.354	1/4	.842
.020	MB10-FB.020-316-SS	MB10-FB.020-316-316SS	.354	1/4	.733
.025	MB10-FB.025-316-SS	MB10-FB.025-316-316SS	.354	1/4	.767
.040	MB10-FB.040-316-SS	MB10-FB.040-316-316SS	.354	1/4	.794
.058	MB10-FB.058-316-SS	MB10-FB.058-316-316SS	.354	1/4	.756
.062	MB10-FB.062-316-SS	MB10-FB.062-316-316SS	.354	1/4	.779
.078	MB10-FB.078-316-SS	MB10-FB.078-316-316SS	.354	1/4	.564
.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		



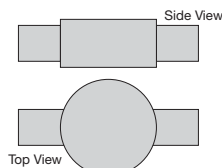
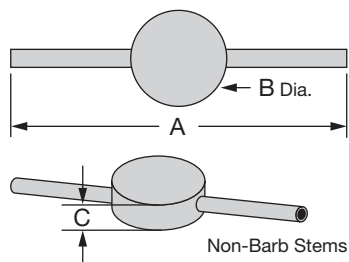
Many Options of Male Threaded Fittings with Microbore Stems Available! Consult Factory for Details!



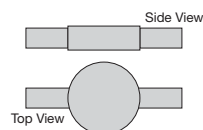


Straight Tubing Connector with 304 Stainless Steel Microbore Stem

217

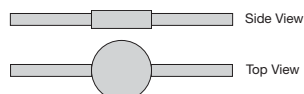


MBC-.187-SS

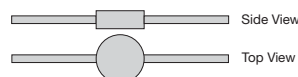


MBC-.104-SS

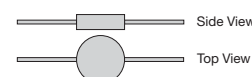
Tube OD	Part Numbers		Dimensions (Reference)		
	Stainless Steel 303 Fitting Body	Stainless Steel 316 Fitting Body	A Ref.	B Dia.	C Ref.
.012	MBC-.012-SS	MBC-.012-316SS	Consult Factory	Consult Factory	Consult Factory
.020	MBC-.020-SS	MBC-.020-316SS	Consult Factory	Consult Factory	Consult Factory
.025	MBC-.025-SS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



MBC-.062-SS



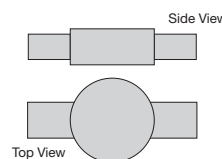
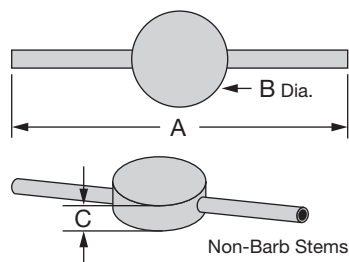
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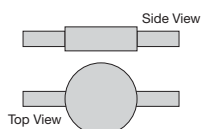
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Straight Tubing Connector with 316 Stainless Steel Microbore Stem

218

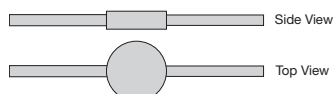


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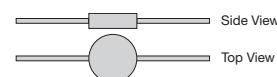


MBC-.078-316-SS

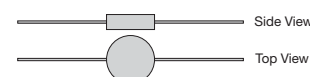
Tube OD	Part Numbers		Dimensions (Reference)		
	Stainless Steel 303 Fitting Body	Stainless Steel 316 Fitting Body	A Ref.	B Dia.	C Ref.
.012	MBC-.012-316-SS	MBC-.012-316-316SS	Consult Factory	Consult Factory	Consult Factory
.020	MBC-.020-316-SS	MBC-.020-316-316SS	Consult Factory	Consult Factory	Consult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



MBC-.058-316-SS

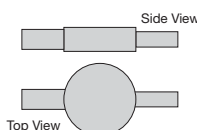


MBC-.025-316-SS

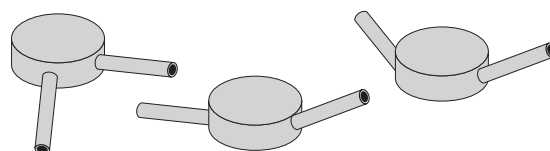


MBC-.012-316-SS

**Reducing Straight
Tube Connectors
also Available!
Consult Factory
for Details!**

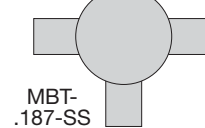
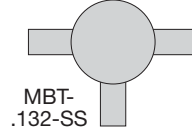
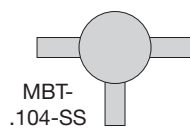
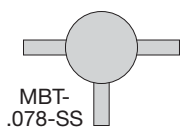
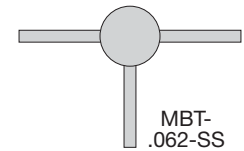
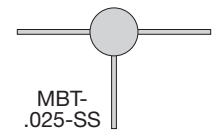
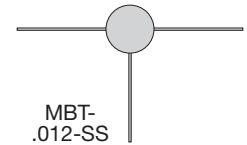
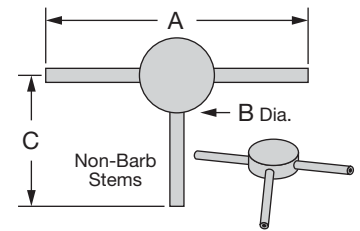
MBRC-.104-
.078-316-SS

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

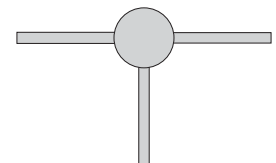
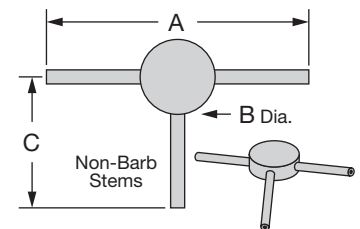


219
Three-Way Tubing Connector with 304 Stainless Steel Microbore Stem

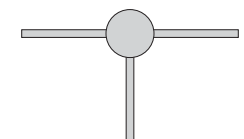
Tube OD	Part Numbers		Dimensions (Reference)		
	Stainless Steel 303 Fitting Body	Stainless Steel 316 Fitting Body	A Ref.	B Dia.	C Ref.
.012	MBT-.012-SS	MBT-.012-316SS	Consult Factory	Consult Factory	Consult Factory
.020	MBT-.020-SS	MBT-.020-316SS	Consult Factory	Consult Factory	Consult Factory
.025	MBT-.025-SS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

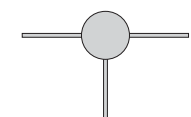
Tube OD	Part Numbers		Dimensions (Reference)		
	Stainless Steel 303 Fitting Body	Stainless Steel 316 Fitting Body	A Ref.	B Dia.	C Ref.
.012	MBT-.012-316-SS	MBT-.012-316-316SS	Consult Factory	Consult Factory	Consult Factory
.020	MBT-.020-316-SS	MBT-.020-316-316SS	Consult Factory	Consult Factory	Consult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

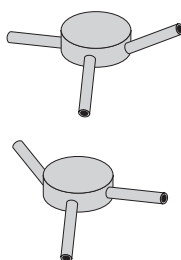
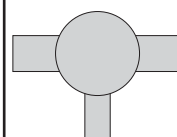
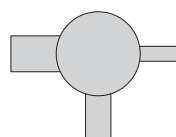
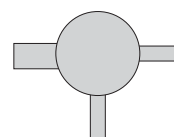


MBT-.040-316-SS



MBT-.020-316-SS

**Custom
Microbore
Fittings
Available!**

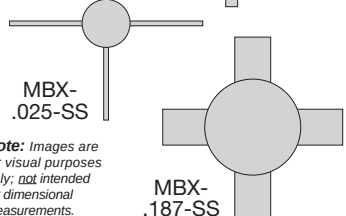
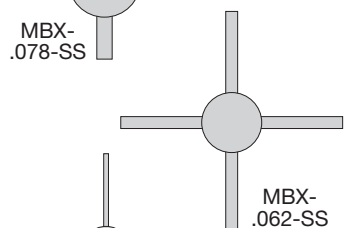
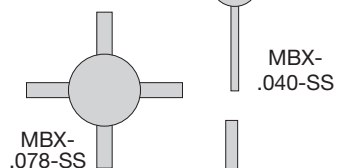
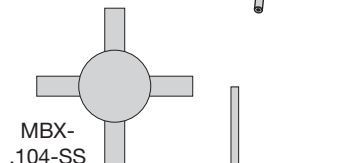
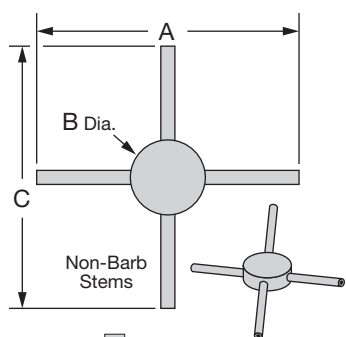
 Microbore Stems
can be placed a
wide variety of
locations and at
various angles.
Consult factory
for details!

**Reducing 3-Way Tube Connectors also
Available! Consult Factory for Details!**

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

 MBRT-.187-
.078-.132-SS

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

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



Four-Way Tubing Connector with 304 Stainless Steel Microbore Stem

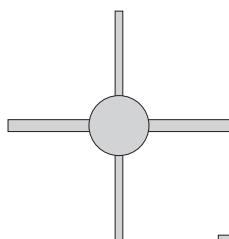
221



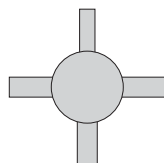
Note: Images are for visual purposes only; not intended for dimensional measurements.

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	Consult Factory	Consult Factory	Consult Factory
.025	MBX-.025-SS	MBX-.025-316SS	Consult Factory	Consult Factory	Consult Factory
.040	MBX-.040-SS	MBX-.040-316SS	Consult Factory	Consult Factory	Consult Factory
.058	MBX-.058-SS	MBX-.058-316SS	Consult Factory	Consult Factory	Consult Factory
.062	MBX-.062-SS	MBX-.062-316SS	Consult Factory	Consult Factory	Consult Factory
.078	MBX-.078-SS	MBX-.078-316SS	Consult Factory	Consult Factory	Consult Factory
.104	MBX-.104-SS	MBX-.104-316SS	Consult Factory	Consult Factory	Consult Factory
.132	MBX-.132-SS	MBX-.132-316SS	Consult Factory	Consult Factory	Consult Factory
.187	MBX-.187-SS	MBX-.187-316SS	Consult Factory	Consult Factory	Consult Factory

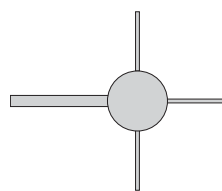
Reducing 4-Way Tube Connectors also Available! Consult Factory for Details!



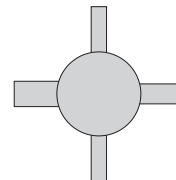
MBRX-.062-.040-.062-.040-SS



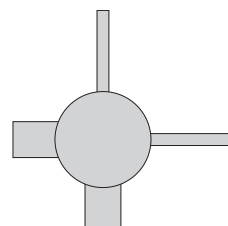
MBRX-.104-.078-.104-.104-SS



MBRX-.058-.020-.020-.020-SS



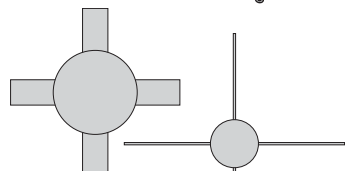
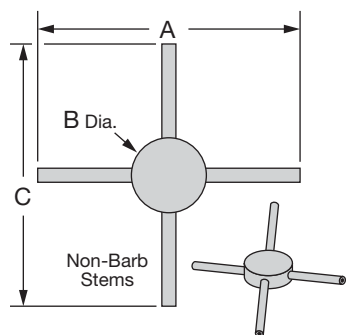
MBX-.132-.078-.104-.078-316-SS



MBRX-.187-.062-.062-.187-SS

Four-Way Tubing Connector with 316 Stainless Steel Microbore Stem

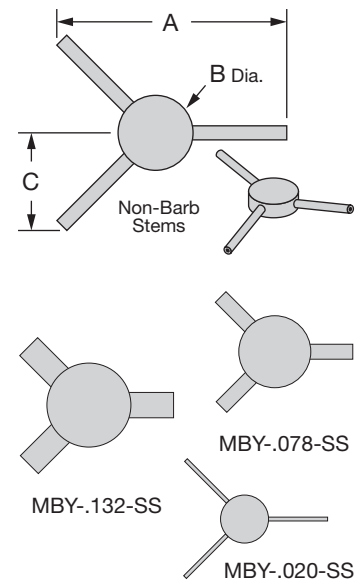
222



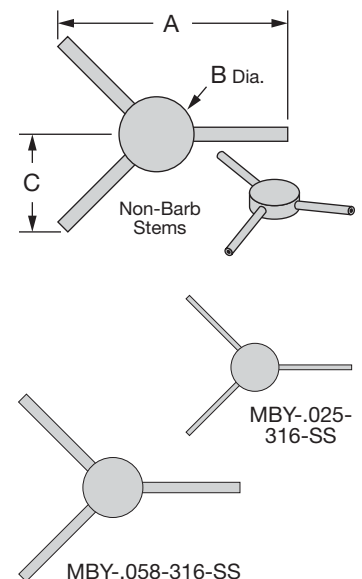
Tube OD	Part Numbers		Dimensions (Reference)		
	Stainless Steel 303 Fitting Body	Stainless Steel 316 Fitting Body	A Ref.	B Dia.	C Ref.
.012	MBX-.012-316-SS	MBX-.012-316-316SS	Consult Factory	Consult Factory	Consult Factory
.020	MBX-.020-316-SS	MBX-.020-316-316SS	Consult Factory	Consult Factory	Consult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

223
Y Tubing Connector with 304 Stainless Steel Microbore Stem

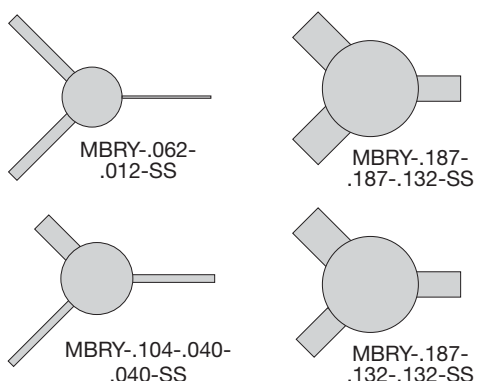
Tube OD	Part Numbers		Dimensions (Reference)		
	Stainless Steel 303 Fitting Body	Stainless Steel 316 Fitting Body	A Ref.	B Dia.	C Ref.
.012	MBY-.012-SS	MBY-.012-316SS	Consult Factory	Consult Factory	Consult Factory
.020	MBY-.020-SS	MBY-.020-316SS	Consult Factory	Consult Factory	Consult Factory
.025	MBY-.025-SS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


224
Y Tubing Connector with 316 Stainless Steel Microbore Stems

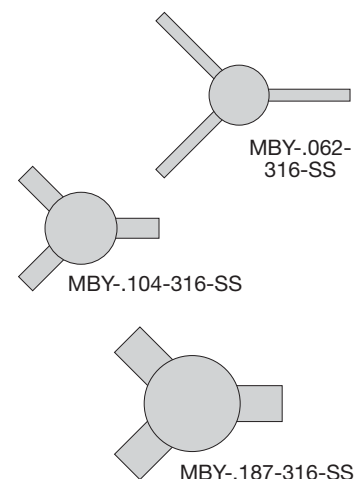
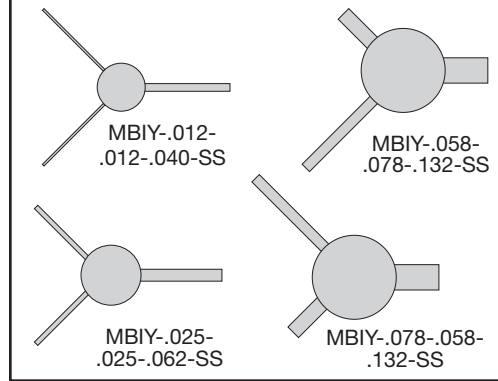
Tube OD	Part Numbers		Dimensions (Reference)		
	Stainless Steel 303 Fitting Body	Stainless Steel 316 Fitting Body	A Ref.	B Dia.	C Ref.
.012	MBY-.012-316-SS	MBY-.012-316-316SS	Consult Factory	Consult Factory	Consult Factory
.020	MBY-.020-316-SS	MBY-.020-316-316SS	Consult Factory	Consult Factory	Consult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



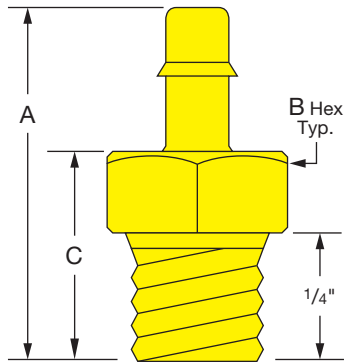
Increasing Y Tube Connectors also Available! Consult Factory for Details!



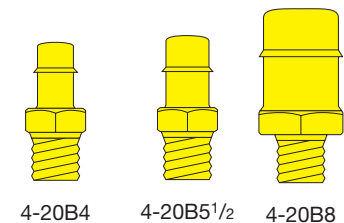
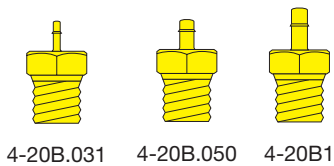


1/4-20 (4-20) Thread to Tube with Fibre Gasket Supplied

225

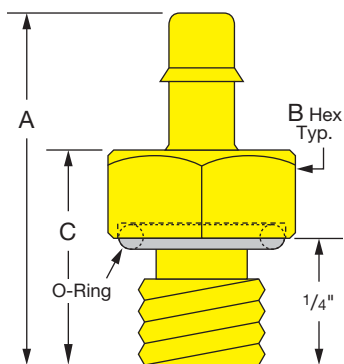


Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	4-20B.031	4-20B.031-SS	4-20B.031-316SS	N/A	4-20B.031-NP	17/32	5/16	3/8
.040 / 1mm	4-20B.040	4-20B.040-SS	4-20B.040-316SS	N/A	4-20B.040-NP	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

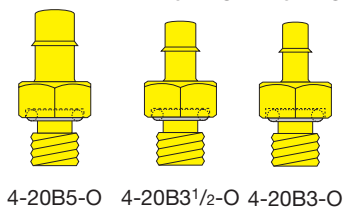
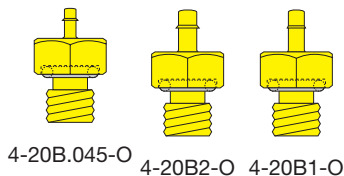


1/4-20 (4-20) Thread to Tube with O-Ring Seal Installed

226



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

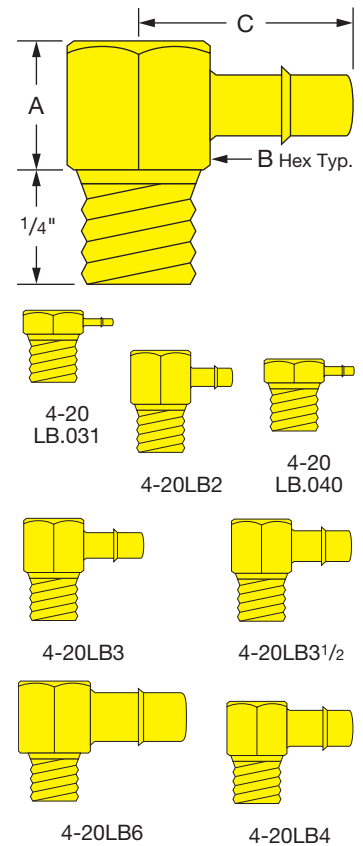


Note: Images are for visual representation only; not intended for dimensional measurements.

227

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

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	4-20LB.031	4-20LB.031-SS	4-20LB.031-316SS	4-20LB.031-NP	1/8	5/16	5/16
.040 / 1mm	4-20LB.040	4-20LB.040-SS	4-20LB.040-316SS	4-20LB.040-NP	1/8	5/16	5/16
3/64	4-20LB.045	4-20LB.045-SS	4-20LB.045-316SS	4-20LB.045-NP	1/8	5/16	5/16
.050	4-20LB.050	4-20LB.050-SS	4-20LB.050-316SS	4-20LB.050-NP	1/8	5/16	5/16
1/16	4-20LB1	4-20LB1-SS	4-20LB1-316SS	4-20LB1-NP	9/32	5/16	3/8
5/64 / 2mm	4-20LB2	4-20LB2-SS	4-20LB2-316SS	4-20LB2-NP	9/32	5/16	3/8
3/32	4-20LB2 1/2	4-20LB2 1/2-SS	4-20LB2 1/2-316SS	4-20LB2 1/2-NP	9/32	5/16	3/8
1/8	4-20LB3	4-20LB3-SS	4-20LB3-316SS	4-20LB3-NP	9/32	5/16	15/32
5/32 / 4mm	4-20LB3 1/2	4-20LB3 1/2-SS	4-20LB3 1/2-316SS	4-20LB3 1/2-NP	9/32	5/16	15/32
.170	4-20LB4	4-20LB4-SS	4-20LB4-316SS	4-20LB4-NP	9/32	5/16	1/2
3/16	4-20LB5	4-20LB5-SS	4-20LB5-316SS	4-20LB5-NP	9/32	5/16	17/32
7/32	4-20LB5 1/2	4-20LB5 1/2-SS	4-20LB5 1/2-316SS	4-20LB5 1/2-NP	9/32	5/16	17/32
6mm	4-20LB5 3/4	4-20LB5 3/4-SS	4-20LB5 3/4-316SS	4-20LB5 3/4-NP	3/8	3/8	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

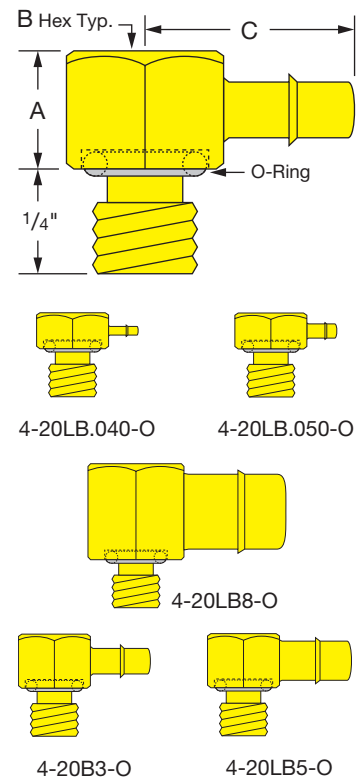


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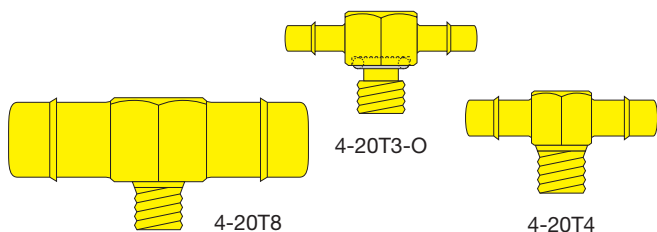
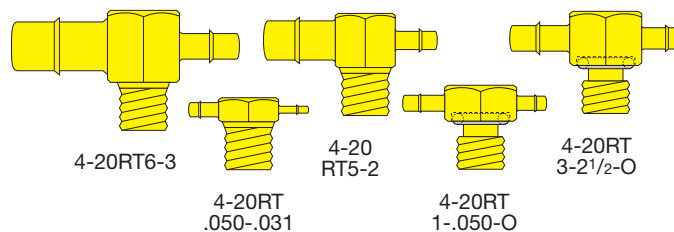
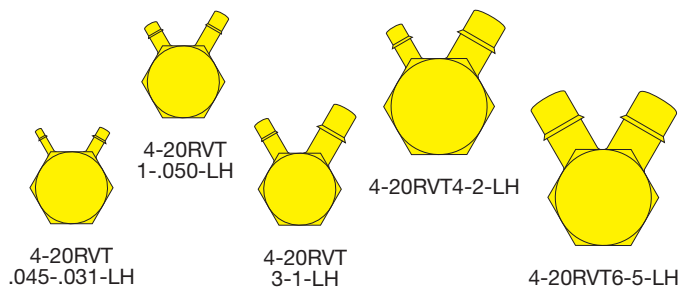
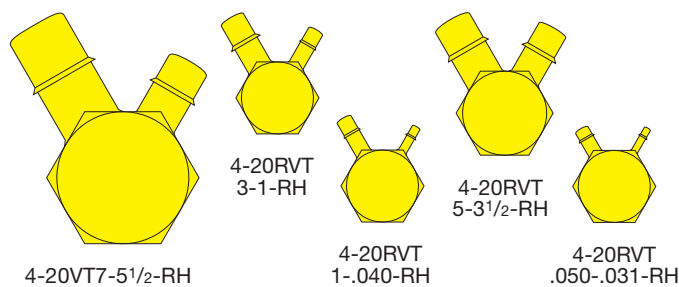
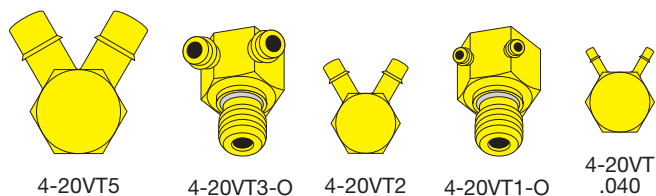
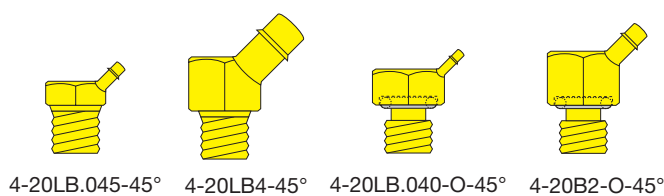
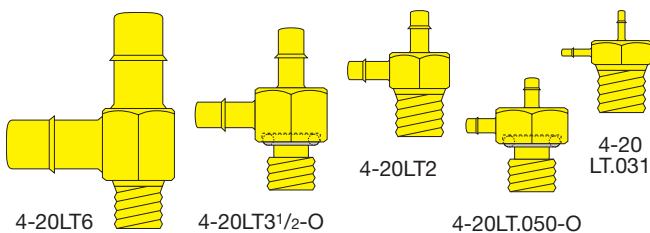
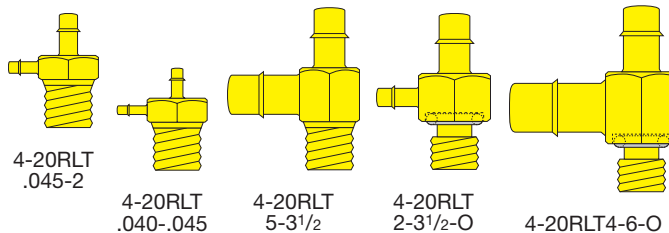
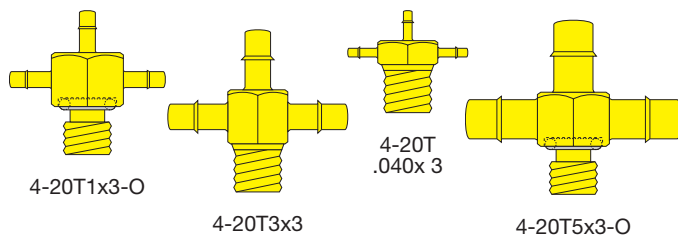
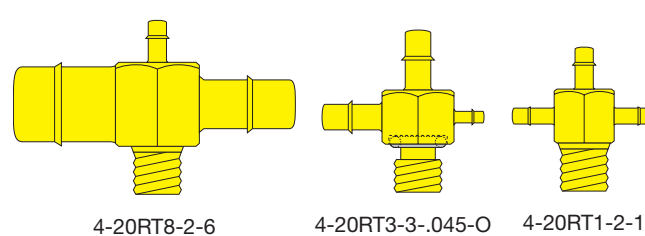
228

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



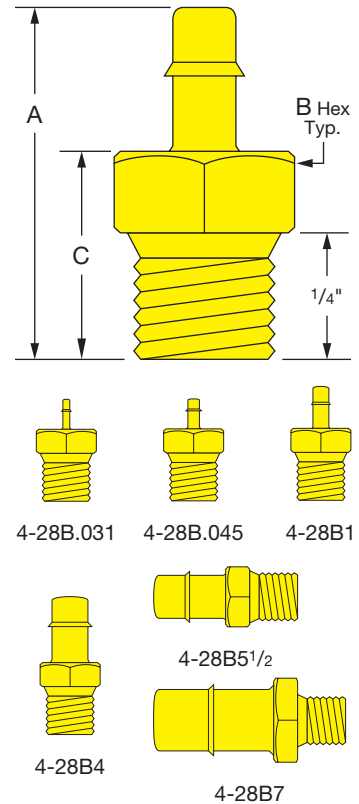
O-Ring options listed on page 65.

**1/4-20 (4-20) Thread to Tube Options with Fibre Gaskets Supplied 9 or O-Rings Installed****1/4-20 (4-20) Tees****1/4-20 (4-20) Reducing Tees****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) V-Tees****1/4-20 (4-20) 45° Elbows****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 and details!****O-Ring 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

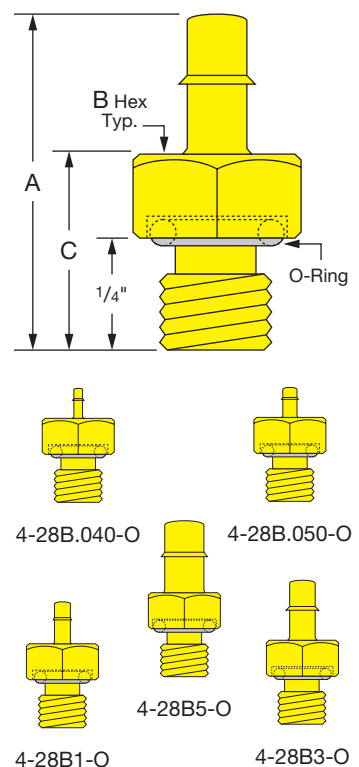


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1/4-28 (4-28) Thread to Tube with O-Ring Seal Installed

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

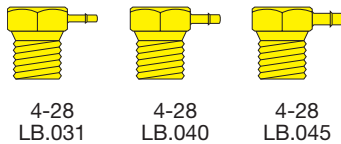
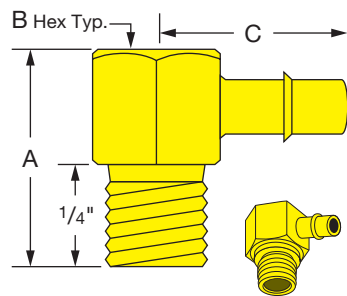


Note: Images are for visual representation only; not intended for dimensional measurements.

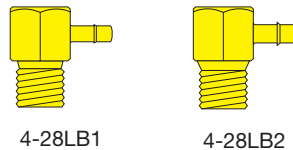


1/4-28 (4-28) Thread to Tube Elbows with Fibre Gasket Supplied

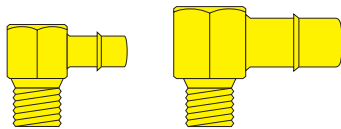
231



4-28 LB.031 4-28 LB.040 4-28 LB.045



4-28LB1 4-28LB2

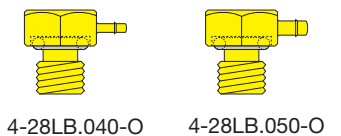
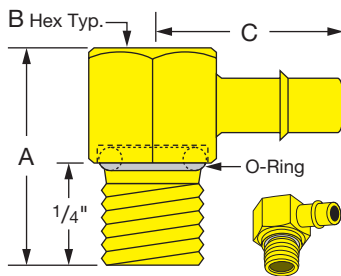


4-28LB3 1/2 4-28LB6

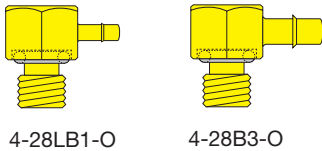
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	4-28LB.031	4-28LB.031-SS	4-28LB.031-316SS	4-28LB.031-NP	3/8	5/16	5/16
.040 / 1mm	4-28LB.040	4-28LB.040-SS	4-28LB.040-316SS	4-28LB.040-NP	3/8	5/16	5/16
3/64	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	1 1/16
1/4	4-28LB6	4-28LB6-SS	4-28LB6-316SS	4-28LB6-NP	5/8	3/8	1 1/16
5/16 / 8mm	4-28LB7	4-28LB7-SS	4-28LB7-316SS	4-28LB7-NP	1 1/16	7/16	15/16
3/8	4-28LB8	4-28LB8-SS	4-28LB8-316SS	4-28LB8-NP	1 1/16	7/16	27/32

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

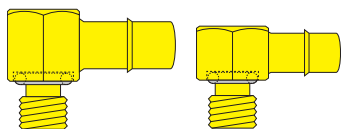
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4-28LB.040-O 4-28LB.050-O



4-28LB1-O 4-28LB3-O



4-28LB5 3/4-O 4-28LB5-O

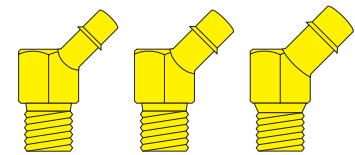
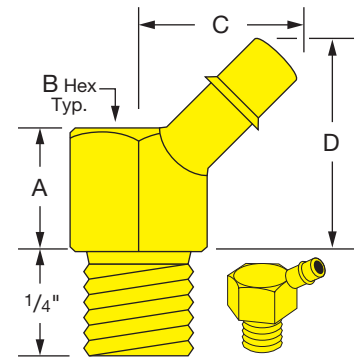
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	4-28LB.031-O	4-28LB.031-O-SS	4-28LB.031-O-316SS	4-28LB.031-O-NP	7/16	3/8	1 1/32
.040 / 1mm	4-28LB.040-O	4-28LB.040-O-SS	4-28LB.040-O-316SS	4-28LB.040-O-NP	7/16	3/8	1 1/32
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	1 1/32
.050	4-28LB.050-O	4-28LB.050-O-SS	4-28LB.050-O-316SS	4-28LB.050-O-NP	7/16	3/8	1 1/32
1/16	4-28LB1-O	4-28LB1-O-SS	4-28LB1-O-316SS	4-28LB1-O-NP	17/32	3/8	1 3/32
5/64 / 2mm	4-28LB2-O	4-28LB2-O-SS	4-28LB2-O-316SS	4-28LB2-O-NP	17/32	3/8	1 3/32
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	1 3/32
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	1 1/16
1/4	4-28LB6-O	4-28LB6-O-SS	4-28LB6-O-316SS	4-28LB6-O-NP	5/8	3/8	1 1/16
5/16 / 8mm	4-28LB7-O	4-28LB7-O-SS	4-28LB7-O-316SS	4-28LB7-O-NP	1 1/16	1/2	1 1/8
3/8	4-28LB8-O	4-28LB8-O-SS	4-28LB8-O-316SS	4-28LB8-O-NP	1 1/16	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

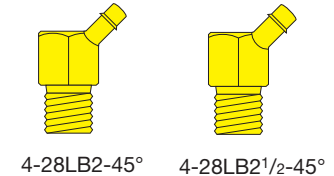
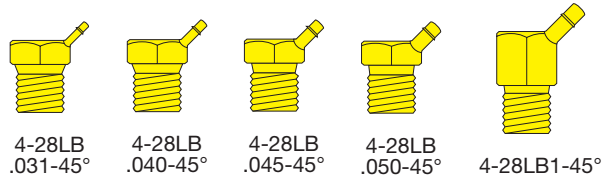
Tube ID	Part Numbers				Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/32	4-28LB.031-45°	4-28LB.031-45°-SS	4-28LB.031-45°-316SS	4-28LB.031-45°-NP	1/8	5/16	Consult Factory	Consult Factory
.040 / 1mm	4-28LB.040-45°	4-28LB.040-45°-SS	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



4-28LB 3-45° 4-28LB 3 1/2-45° 4-28LB 4-45°

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

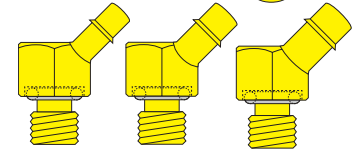
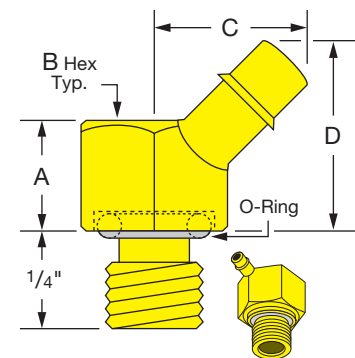
Other branch sizes available! Consult factory for details!



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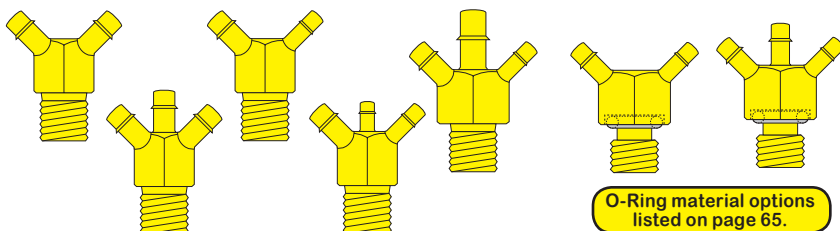
1/4-28 (4-28) Thread to Tube 45° Elbows with O-Ring Seal Installed

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-O-45°	4-28LB.031-O-45°-SS	4-28LB.031-O-45°-316SS	4-28LB.031-O-45°-NP	3/16	3/8	Consult Factory	Consult Factory
.040 / 1mm	4-28LB.040-O-45°	4-28LB.040-O-45°-SS	4-28LB.040-O-45°-316SS	4-28LB.040-O-45°-NP	3/16	3/8	Consult Factory	Consult Factory
3/64	4-28LB.045-O-45°	4-28LB.045-O-45°-SS	4-28LB.045-O-45°-316SS	4-28LB.045-O-45°-NP	3/16	3/8	Consult Factory	Consult Factory
.050	4-28LB.050-O-45°	4-28LB.050-O-45°-SS	4-28LB.050-O-45°-316SS	4-28LB.050-O-45°-NP	3/16	3/8	Consult Factory	Consult Factory
1/16	4-28LB1-O-45°	4-28LB1-O-45°-SS	4-28LB1-O-45°-316SS	4-28LB1-O-45°-NP	9/32	3/8	Consult Factory	Consult Factory
5/64 / 2mm	4-28LB2-O-45°	4-28LB2-O-45°-SS	4-28LB2-O-45°-316SS	4-28LB2-O-45°-NP	9/32	3/8	Consult Factory	Consult Factory
3/32	4-28LB2 1/2-O-45°	4-28LB2 1/2-O-45°-SS	4-28LB2 1/2-O-45°-316SS	4-28LB2 1/2-O-45°-NP	9/32	3/8	Consult Factory	Consult Factory
1/8	4-28LB3-O-45°	4-28LB3-O-45°-SS	4-28LB3-O-45°-316SS	4-28LB3-O-45°-NP	9/32	3/8	Consult Factory	Consult Factory
5/32 / 4mm	4-28LB3 1/2-O-45°	4-28LB3 1/2-O-45°-SS	4-28LB3 1/2-O-45°-316SS	4-28LB3 1/2-O-45°-NP	9/32	3/8	Consult Factory	Consult Factory
.170	4-28LB4-O-45°	4-28LB4-O-45°-SS	4-28LB4-O-45°-316SS	4-28LB4-O-45°-NP	9/32	3/8	Consult Factory	Consult Factory

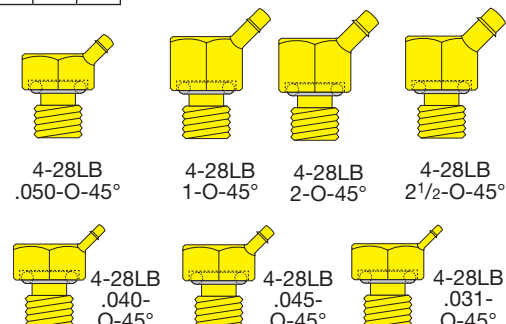


4-28LB 3-O-45° 4-28LB 3 1/2-O-45° 4-28LB 4-O-45°

Custom 1/4-28 (4-28) Thread to Tube Fittings Available! Consult Factory for Details!



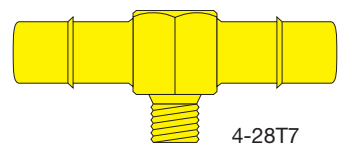
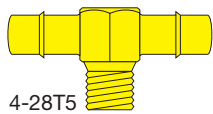
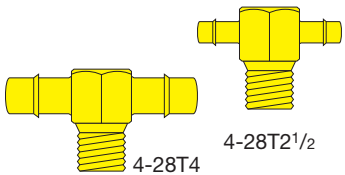
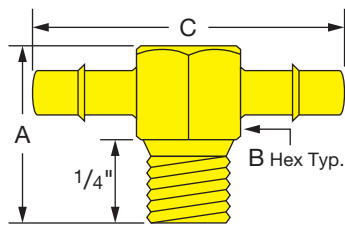
O-Ring material options listed on page 65.





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

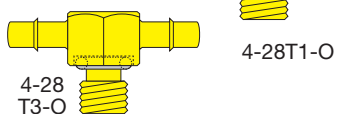
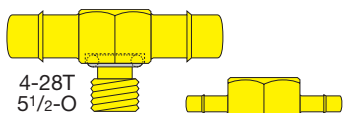
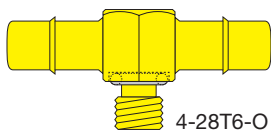
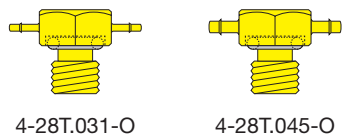
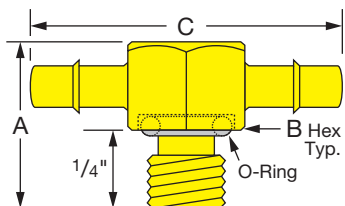
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Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	4-28T.031	4-28T.031-SS	4-28T.031-316SS	4-28T.031-NP	3/8	5/16	5/8
.040 / 1mm	4-28T.040	4-28T.040-SS	4-28T.040-316SS	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	1 1/16	7/16	1 7/8
3/8	4-28T8	4-28T8-SS	4-28T8-316SS	4-28T8-NP	1 1/16	7/16	1 11/16

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

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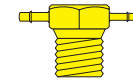
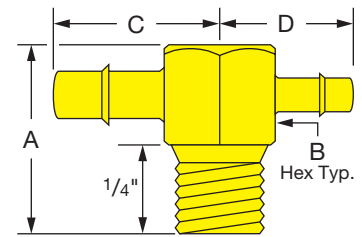
O-Ring materials on page 65.

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	4-28T.031-O	4-28T.031-O-SS	4-28T.031-O-316SS	4-28T.031-O-NP	7/16	3/8	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	17/16	3/8	1 3/16
5/64 / 2mm	4-28T2-O	4-28T2-O-SS	4-28T2-O-316SS	4-28T2-O-NP	17/16	3/8	1 3/16
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	17/16	3/8	1 3/16
1/8	4-28T3-O	4-28T3-O-SS	4-28T3-O-316SS	4-28T3-O-NP	17/16	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	17/16	3/8	1
.170	4-28T4-O	4-28T4-O-SS	4-28T4-O-316SS	4-28T4-O-NP	17/16	3/8	1 1/16
3/16	4-28T5-O	4-28T5-O-SS	4-28T5-O-316SS	4-28T5-O-NP	17/16	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	17/16	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	1 1/16	1/2	2 1/4
3/8	4-28T8-O	4-28T8-O-SS	4-28T8-O-316SS	4-28T8-O-NP	1 1/16	1/2	1 9/16

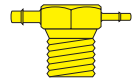
237

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

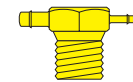
Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
.040 / 1mm	1/32	4-28RT.040-.031	4-28RT.040-.031-SS	4-28RT.040-.031-316SS	4-28RT.040-.031-NP	3/8	5/16	5/16	5/16
3/64	1/32	4-28RT.045-.031	4-28RT.045-.031-SS	4-28RT.045-.031-316SS	4-28RT.045-.031-NP	3/8	5/16	5/16	5/16
3/64	.040 / 1mm	4-28RT.045-.040	4-28RT.045-.040-SS	4-28RT.045-.040-316SS	4-28RT.045-.040-NP	3/8	5/16	5/16	5/16
.050	1/32	4-28RT.050-.031	4-28RT.050-.031-SS	4-28RT.050-.031-316SS	4-28RT.050-.031-NP	3/8	5/16	5/16	5/16
.050	.040 / 1mm	4-28RT.050-.040	4-28RT.050-.040-SS	4-28RT.050-.040-316SS	4-28RT.050-.040-NP	3/8	5/16	5/16	5/16
.050	1/64	4-28RT.050-.045	4-28RT.050-.045-SS	4-28RT.050-.045-316SS	4-28RT.050-.045-NP	3/8	5/16	5/16	5/16
1/16	1/32	4-28RT1-.031	4-28RT1-.031-SS	4-28RT1-.031-316SS	4-28RT1-.031-NP	17/32	5/16	3/8	5/16
1/16	.040 / 1mm	4-28RT1-.040	4-28RT1-.040-SS	4-28RT1-.040-316SS	4-28RT1-.040-NP	17/32	5/16	3/8	5/16
1/16	3/64	4-28RT1-.045	4-28RT1-.045-SS	4-28RT1-.045-316SS	4-28RT1-.045-NP	17/32	5/16	3/8	5/16
1/16	.050	4-28RT1-.050	4-28RT1-.050-SS	4-28RT1-.050-316SS	4-28RT1-.050-NP	17/32	5/16	3/8	5/16
5/64 / 2mm	1/32	4-28RT2-.031	4-28RT2-.031-SS	4-28RT2-.031-316SS	4-28RT2-.031-NP	17/32	5/16	3/8	5/16
5/64 / 2mm	.040 / 1mm	4-28RT2-.040	4-28RT2-.040-SS	4-28RT2-.040-316SS	4-28RT2-.040-NP	17/32	5/16	3/8	5/16
5/64 / 2mm	3/64	4-28RT2-.045	4-28RT2-.045-SS	4-28RT2-.045-316SS	4-28RT2-.045-NP	17/32	5/16	3/8	5/16
5/64 / 2mm	.050	4-28RT2-.050	4-28RT2-.050-SS	4-28RT2-.050-316SS	4-28RT2-.050-NP	17/32	5/16	3/8	5/16
5/64 / 2mm	1/16	4-28RT2-1	4-28RT2-1-SS	4-28RT2-1-316SS	4-28RT2-1-NP	17/32	5/16	3/8	3/8
3/32	1/32	4-28RT2 1/2-.031	4-28RT2 1/2-.031-SS	4-28RT2 1/2-.031-316SS	4-28RT2 1/2-.031-NP	17/32	5/16	3/8	5/16
3/32	.040 / 1mm	4-28RT2 1/2-.040	4-28RT2 1/2-.040-SS	4-28RT2 1/2-.040-316SS	4-28RT2 1/2-.040-NP	17/32	5/16	3/8	5/16
3/32	3/64	4-28RT2 1/2-.045	4-28RT2 1/2-.045-SS	4-28RT2 1/2-.045-316SS	4-28RT2 1/2-.045-NP	17/32	5/16	3/8	5/16
3/32	.050	4-28RT2 1/2-.050	4-28RT2 1/2-.050-SS	4-28RT2 1/2-.050-316SS	4-28RT2 1/2-.050-NP	17/32	5/16	3/8	5/16
3/32	1/16	4-28RT2 1/2-1	4-28RT2 1/2-1-SS	4-28RT2 1/2-1-316SS	4-28RT2 1/2-1-NP	17/32	5/16	3/8	3/8
3/32	5/64 / 2mm	4-28RT2 1/2-2	4-28RT2 1/2-2-SS	4-28RT2 1/2-2-316SS	4-28RT2 1/2-2-NP	17/32	5/16	3/8	3/8
1/8	1/32	4-28RT3-.031	4-28RT3-.031-SS	4-28RT3-.031-316SS	4-28RT3-.031-NP	17/32	5/16	15/32	5/16
1/8	.040 / 1mm	4-28RT3-.040	4-28RT3-.040-SS	4-28RT3-.040-316SS	4-28RT3-.040-NP	17/32	5/16	15/32	5/16
1/8	3/64	4-28RT3-.045	4-28RT3-.045-SS	4-28RT3-.045-316SS	4-28RT3-.045-NP	17/32	5/16	15/32	5/16
1/8	.050	4-28RT3-.050	4-28RT3-.050-SS	4-28RT3-.050-316SS	4-28RT3-.050-NP	17/32	5/16	15/32	5/16
1/8	1/16	4-28RT3-1	4-28RT3-1-SS	4-28RT3-1-316SS	4-28RT3-1-NP	17/32	5/16	15/32	3/8
1/8	5/64 / 2mm	4-28RT3-2	4-28RT3-2-SS	4-28RT3-2-316SS	4-28RT3-2-NP	17/32	5/16	15/32	3/8
1/8	3/32	4-28RT3-2 1/2	4-28RT3-2 1/2-SS	4-28RT3-2 1/2-316SS	4-28RT3-2 1/2-NP	17/32	5/16	15/32	3/8
5/32	1/32	4-28RT3 1/2-.031	4-28RT3 1/2-.031-SS	4-28RT3 1/2-.031-316SS	4-28RT3 1/2-.031-NP	17/32	5/16	15/32	5/16
5/32	.040 / 1mm	4-28RT3 1/2-.040	4-28RT3 1/2-.040-SS	4-28RT3 1/2-.040-316SS	4-28RT3 1/2-.040-NP	17/32	5/16	15/32	5/16
5/32	3/64	4-28RT3 1/2-.045	4-28RT3 1/2-.045-SS	4-28RT3 1/2-.045-316SS	4-28RT3 1/2-.045-NP	17/32	5/16	15/32	5/16
5/32	.050	4-28RT3 1/2-.050	4-28RT3 1/2-.050-SS	4-28RT3 1/2-.050-316SS	4-28RT3 1/2-.050-NP	17/32	5/16	15/32	5/16
5/32	1/16	4-28RT3 1/2-1	4-28RT3 1/2-1-SS	4-28RT3 1/2-1-316SS	4-28RT3 1/2-1-NP	17/32	5/16	15/32	3/8
5/32	5/64 / 2mm	4-28RT3 1/2-2	4-28RT3 1/2-2-SS	4-28RT3 1/2-2-316SS	4-28RT3 1/2-2-NP	17/32	5/16	15/32	3/8



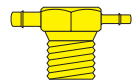
4-28RT .040-.031



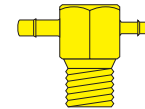
4-28RT .045-.031



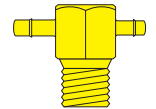
4-28RT .050-.031



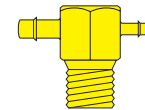
4-28RT .050-.040



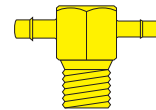
4-28RT1-.045



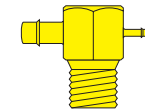
4-28RT1-.050



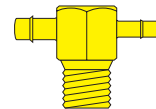
4-28RT2-.045



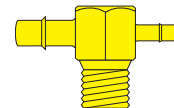
4-28RT2-1



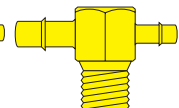
4-28RT2 1/2-.031



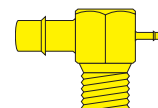
4-28RT2 1/2-1



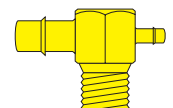
4-28RT3-1



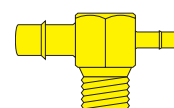
4-28RT3-2



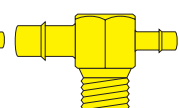
4-28RT 3 1/2-.031



4-28RT 3 1/2-.050



4-28RT3 1/2-1



4-28RT3 1/2-2

Custom fittings available!
Consult factory for details!

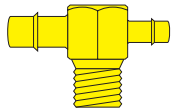
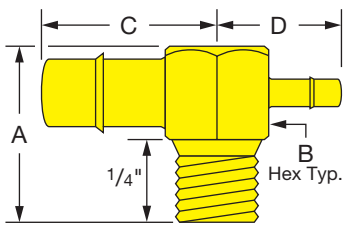
Note: Images are for visual representation only; not intended for dimensional measurements.

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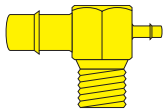


1/4-28 (4-28) Thread to Tube Reducing Tees with Fibre Gasket Supplied

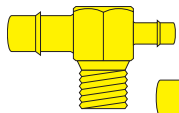
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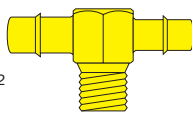
4-28RT3 1/2-2 1/2



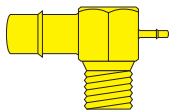
4-28RT4-.045



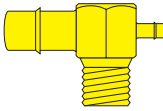
4-28RT4-2 1/2



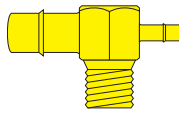
4-28RT4-3 1/2



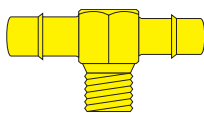
4-28RT5-.031



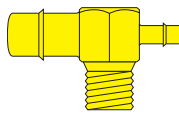
4-28RT5-.050



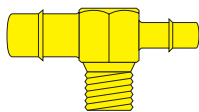
4-28RT5-1



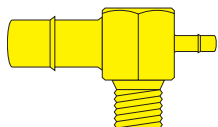
4-28RT5-4



4-28RT5 1/2-2



4-28RT5 1/2-3



4-28RT5 3/4-1

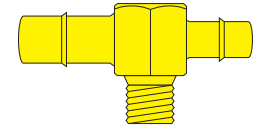
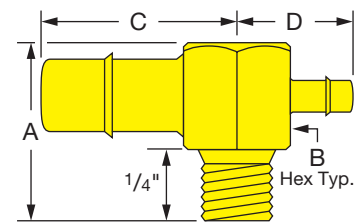
Continued on next page

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.
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
.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

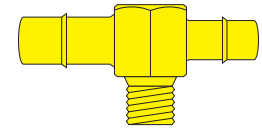
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1/4-28 (4-28) Thread to Tube Reducing Tees with Fibre Gasket Supplied

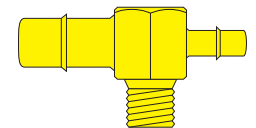
Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
6mm	.170	4-28RT5 ³ / ₄ -4	4-28RT5 ³ / ₄ -4-SS	4-28RT5 ³ / ₄ -4-316SS	4-28RT5 ³ / ₄ -4-NP	5/8	3/8	1 1/16	17/32
6mm	3/16	4-28RT5 ³ / ₄ -5	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
1/4	1/16	4-28RT6-1	4-28RT6-1-SS	4-28RT6-1-316SS	4-28RT6-1-NP	5/8	3/8	1 1/16	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	1 1/16	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	1 1/16	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	1 1/16	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	1 1/16	1/2
1/4	.170	4-28RT6-4	4-28RT6-4-SS	4-28RT6-4-316SS	4-28RT6-4-NP	5/8	3/8	1 1/16	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	1 1/16	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	1 1/16	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	1 1/16	1 1/16
5/16 / 8mm	1/16	4-28RT7-1	4-28RT7-1-SS	4-28RT7-1-316SS	4-28RT7-1-NP	1 1/16	7/16	1 5/16	17/32
5/16 / 8mm	5/64 / 2mm	4-28RT7-2	4-28RT7-2-SS	4-28RT7-2-316SS	4-28RT7-2-NP	1 1/16	7/16	1 5/16	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	1 1/16	7/16	1 5/16	17/32
5/16 / 8mm	1/8	4-28RT7-3	4-28RT7-3-SS	4-28RT7-3-316SS	4-28RT7-3-NP	1 1/16	7/16	1 5/16	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	1 1/16	7/16	1 5/16	5/8
5/16 / 8mm	.170	4-28RT7-4	4-28RT7-4-SS	4-28RT7-4-316SS	4-28RT7-4-NP	1 1/16	7/16	1 5/16	21/32
5/16 / 8mm	3/16	4-28RT7-5	4-28RT7-5-SS	4-28RT7-5-316SS	4-28RT7-5-NP	1 1/16	7/16	1 5/16	1 1/16
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	1 1/16	7/16	1 5/16	1 1/16
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	1 1/16	7/16	1 5/16	1 3/16
5/16 / 8mm	1/4	4-28RT7-6	4-28RT7-6-SS	4-28RT7-6-316SS	4-28RT7-6-NP	1 1/16	7/16	1 5/16	1 3/16
3/8	1/16	4-28RT8-1	4-28RT8-1-SS	4-28RT8-1-316SS	4-28RT8-1-NP	1 1/16	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	1 1/16	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	1 1/16	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	1 1/16	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	1 1/16	7/16	27/32	5/8
3/8	.170	4-28RT8-4	4-28RT8-4-SS	4-28RT8-4-316SS	4-28RT8-4-NP	1 1/16	7/16	27/32	1 1/32
3/8	3/16	4-28RT8-5	4-28RT8-5-SS	4-28RT8-5-316SS	4-28RT8-5-NP	1 1/16	7/16	27/32	1 1/16
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	1 1/16	7/16	27/32	1 1/16
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	1 1/16	7/16	27/32	1 3/16
3/8	1/4	4-28RT8-6	4-28RT8-6-SS	4-28RT8-6-316SS	4-28RT8-6-NP	1 1/16	7/16	27/32	1 3/16
3/8	5/16 / 8mm	4-28RT8-7	4-28RT8-7-SS	4-28RT8-7-316SS	4-28RT8-7-NP	1 1/16	7/16	27/32	1 7/8



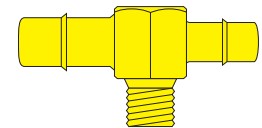
4-28RT5³/₄-4



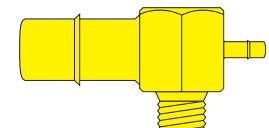
4-28RT5³/₄-5



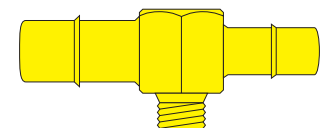
4-28RT6-3



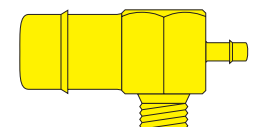
4-28RT6-5



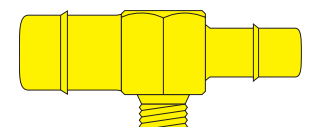
4-28RT7-1



4-28RT7-5³/₄



4-28RT8-2



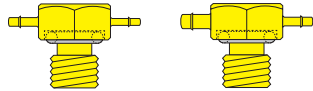
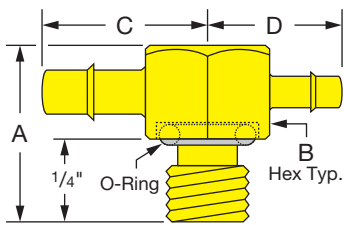
4-28RT8-6

Note: Dimensions may vary at time of manufacturing.

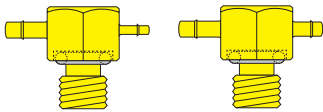


1/4-28 (4-28) Thread to Tube Reducing Tees with O-Ring Seal Installed

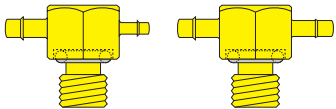
240



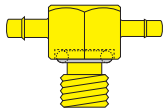
4-28RT.040-.031-O



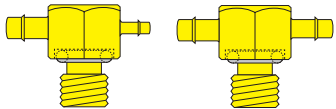
4-28RT.050-.040-O



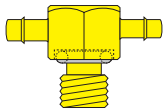
4-28RT1-.040-O



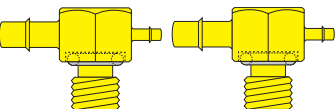
4-28RT1-.050-O



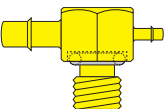
4-28RT2-.045-O



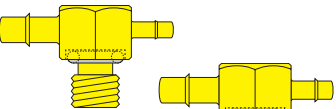
4-28RT2-1-O



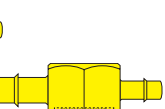
4-28RT2 1/2-.040-O



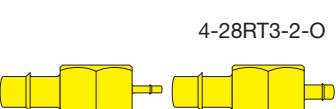
4-28RT2 1/2-2-O



4-28RT3-.040-O



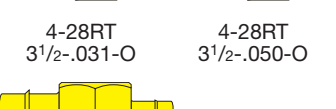
4-28RT3-.045-O



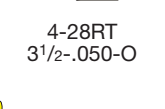
4-28RT3-1-O



4-28RT3-2-O



4-28RT 3 1/2-.031-O



4-28RT 3 1/2-.050-O



4-28RT3 1/2-1-O



4-28RT3 1/2-2-O

O-Ring materials
on pg. 65.

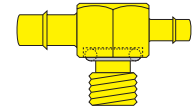
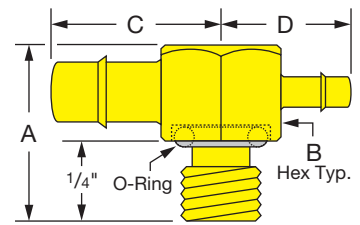
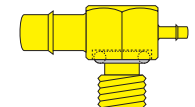
Continued on next page

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

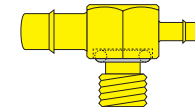
241

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

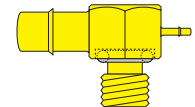
Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
5/32	3/32	4-28RT3 ^{1/2} -2 ^{1/2} -O	4-28RT3 ^{1/2} -2 ^{1/2} -O-SS	4-28RT3 ^{1/2} -2 ^{1/2} -O-316SS	4-28RT3 ^{1/2} -2 ^{1/2} -O-NP	17/32	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-316SS	17/32	3/8	1/2	1/2
.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


4-28RT3^{1/2}-2^{1/2}-O


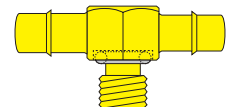
4-28RT4-.040-O



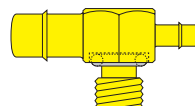
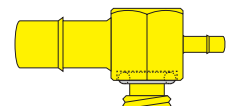
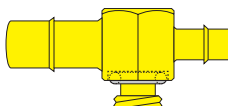
4-28RT4-2-O



4-28RT5-.031-O



4-28RT5-4-O


4-28RT5^{1/2}-2^{1/2}-O

4-28RT5^{3/4}-1-O

4-28RT5^{3/4}-3^{1/2}-O

O-Ring material options listed on page 65.

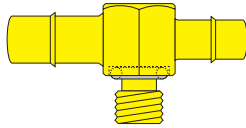
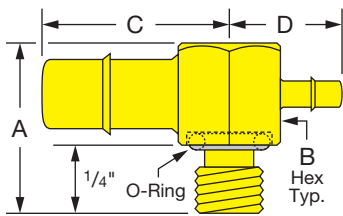
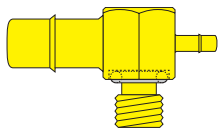
Note: Images are for visual representation only. Dimensions may vary at time of manufacturing.

Continued on next page

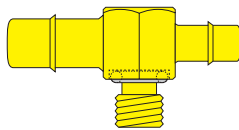


1/4-28 (4-28) Thread to Tube Reducing Tees with O-Ring Seal Installed

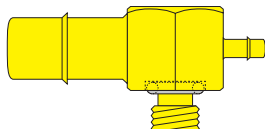
242

4-28RT5^{3/4}-5-O

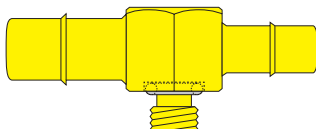
4-28RT6 1-O



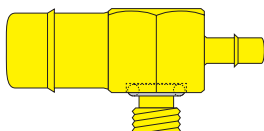
4-28RT6 4-O



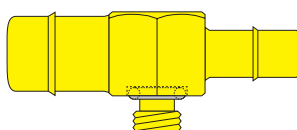
4-28RT7 2-O



4-28RT7 6-O



4-28RT8 3-O

4-28RT8 5^{3/4}-O

**O-Ring material options
listed on page 65.**

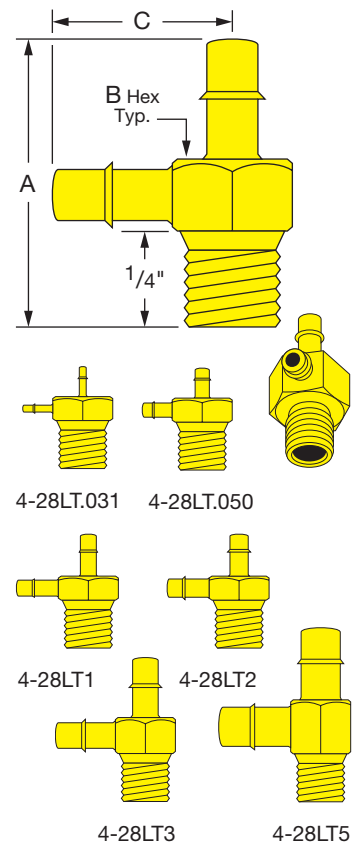
Note: Images are for visual representation only.
Dimensions may vary at time of manufacturing.

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.
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	1 1/16	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	1 1/16	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	1 1/16	9/16
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	1 1/16
5/16 / 8mm	1/16	4-28RT7 1-O	4-28RT7 1-O-SS	4-28RT7 1-O-316SS	4-28RT7 1-O-NP	1 1/16	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	1 1/16	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	1 1/16	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	1 1/16	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	1 1/16	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	1 1/16	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	1 1/16	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	1 1/16	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	1 1/16	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	1 1/16	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	1 1/16	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	1 1/16	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	1 1/16	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	1 1/16	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	1 1/16	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	1 1/16	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	1 1/16	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	1 1/16	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	1 1/16	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	1 1/16	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	1 1/16	1/2	25/32	1 1/8

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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	5/16	15/32
5/32 / 4mm	4-28LT3 1/2	4-28LT3 1/2-SS	4-28LT3 1/2-316SS	4-28LT3 1/2-NP	Consult Factory	5/16	15/32
.170	4-28LT4	4-28LT4-SS	4-28LT4-316SS	4-28LT4-NP	Consult Factory	5/16	1/2
3/16	4-28LT5	4-28LT5-SS	4-28LT5-316SS	4-28LT5-NP	Consult Factory	5/16	17/32
7/32	4-28LT5 1/2	4-28LT5 1/2-SS	4-28LT5 1/2-316SS	4-28LT5 1/2-NP	Consult Factory	5/16	17/32
6mm	4-28LT5 3/4	4-28LT5 3/4-SS	4-28LT5 3/4-316SS	4-28LT5 3/4-NP	Consult Factory	3/8	1 1/16
1/4	4-28LT6	4-28LT6-SS	4-28LT6-316SS	4-28LT6-NP	Consult Factory	3/8	1 1/16
5/16 / 8mm	4-28LT7	4-28LT7-SS	4-28LT7-316SS	4-28LT7-NP	Consult Factory	7/16	1 5/16
3/8	4-28LT8	4-28LT8-SS	4-28LT8-316SS	4-28LT8-NP	Consult Factory	7/16	2 7/32

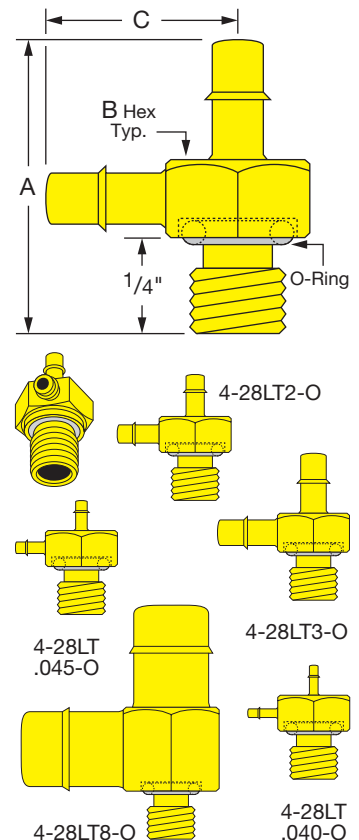


H

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

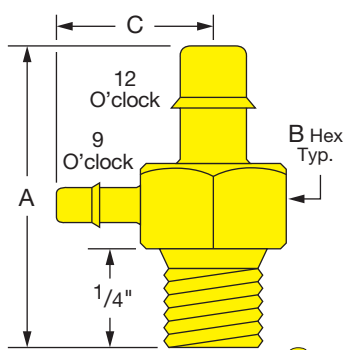
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	4-28LT.031-O	4-28LT.031-O-SS	4-28LT.031-O-316SS	4-28LT.031-O-NP	Consult Factory	3/8	1 1/16
.040 / 1mm	4-28LT.040-O	4-28LT.040-O-SS	4-28LT.040-O-316SS	4-28LT.040-O-NP	Consult Factory	3/8	1 1/16
3/64	4-28LT.045-O	4-28LT.045-O-SS	4-28LT.045-O-316SS	4-28LT.045-O-NP	Consult Factory	3/8	1 1/16
.050	4-28LT.050-O	4-28LT.050-O-SS	4-28LT.050-O-316SS	4-28LT.050-O-NP	Consult Factory	3/8	1 1/16
1/16	4-28LT1-O	4-28LT1-O-SS	4-28LT1-O-316SS	4-28LT1-O-NP	Consult Factory	3/8	1 3/16
5/64 / 2mm	4-28LT2-O	4-28LT2-O-SS	4-28LT2-O-316SS	4-28LT2-O-NP	Consult Factory	3/8	1 3/16
3/32	4-28LT2 1/2-O	4-28LT2 1/2-O-SS	4-28LT2 1/2-O-316SS	4-28LT2 1/2-O-NP	Consult Factory	3/8	1 3/16
1/8	4-28LT3-O	4-28LT3-O-SS	4-28LT3-O-316SS	4-28LT3-O-NP	Consult Factory	3/8	1
5/32 / 4mm	4-28LT3 1/2-O	4-28LT3 1/2-O-SS	4-28LT3 1/2-O-316SS	4-28LT3 1/2-O-NP	Consult Factory	3/8	1
.170	4-28LT4-O	4-28LT4-O-SS	4-28LT4-O-316SS	4-28LT4-O-NP	Consult Factory	3/8	1 1/16
3/16	4-28LT5-O	4-28LT5-O-SS	4-28LT5-O-316SS	4-28LT5-O-NP	Consult Factory	3/8	1 1/8
7/32	4-28LT5 1/2-O	4-28LT5 1/2-O-SS	4-28LT5 1/2-O-316SS	4-28LT5 1/2-O-NP	Consult Factory	3/8	1 1/8
6mm	4-28LT5 3/4-O	4-28LT5 3/4-O-SS	4-28LT5 3/4-O-316SS	4-28LT5 3/4-O-NP	Consult Factory	3/8	1 3/8
1/4	4-28LT6-O	4-28LT6-O-SS	4-28LT6-O-316SS	4-28LT6-O-NP	Consult Factory	3/8	1 3/8
5/16 / 8mm	4-28LT7-O	4-28LT7-O-SS	4-28LT7-O-316SS	4-28LT7-O-NP	Consult Factory	1/2	2 1/4
3/8	4-28LT8-O	4-28LT8-O-SS	4-28LT8-O-316SS	4-28LT8-O-NP	Consult Factory	1/2	1 1/16





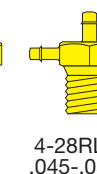
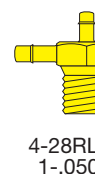
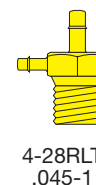
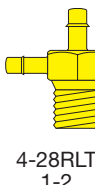
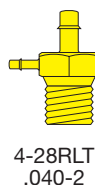
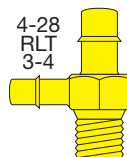
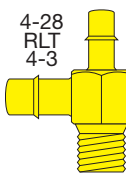
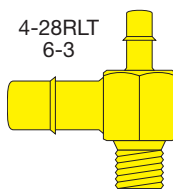
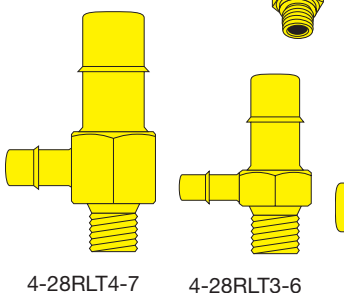
1/4-28 (4-28) Thread to Tube Reducing L-Tees with Fibre Gasket Supplied

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Branches		Dimensions (Reference)		
Tube ID	Branch Number	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
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

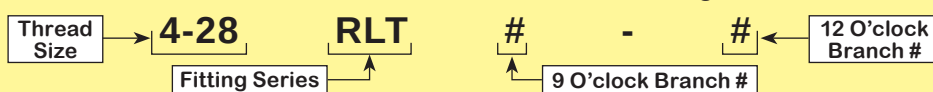
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
5/32 / 4mm	3 1/2	Consult Factory	Consult Factory	Consult Factory
.170	4	Consult Factory	Consult Factory	Consult Factory
3/16	5	Consult Factory	Consult Factory	Consult Factory
7/32	5 1/2	Consult Factory	Consult Factory	Consult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



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

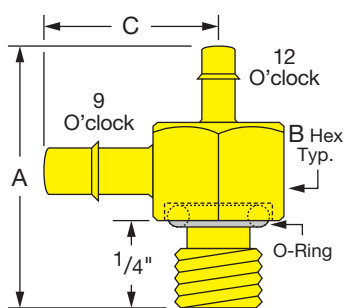
- SS = Stainless Steel 303
- 316SS = Stainless Steel 31
- NP = Electroless Nickel Plate

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



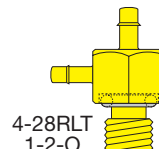
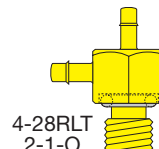
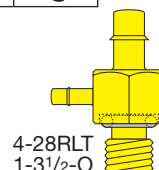
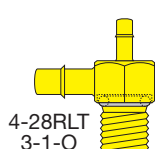
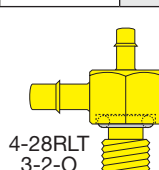
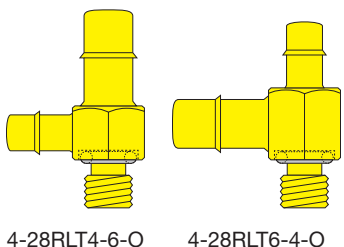
1/4-28 (4-28) Thread to Tube Reducing L-Tees with O-Ring Installed

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Branches		Dimensions (Reference)		
Tube ID	Branch Number	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
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

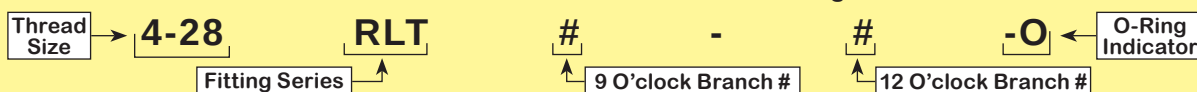
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
5/32 / 4mm	3 1/2	Consult Factory	Consult Factory	Consult Factory
.170	4	Consult Factory	Consult Factory	Consult Factory
3/16	5	Consult Factory	Consult Factory	Consult Factory
7/32	5 1/2	Consult Factory	Consult Factory	Consult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



O-Ring material options
listed on page 65!

Material
options
listed
above!

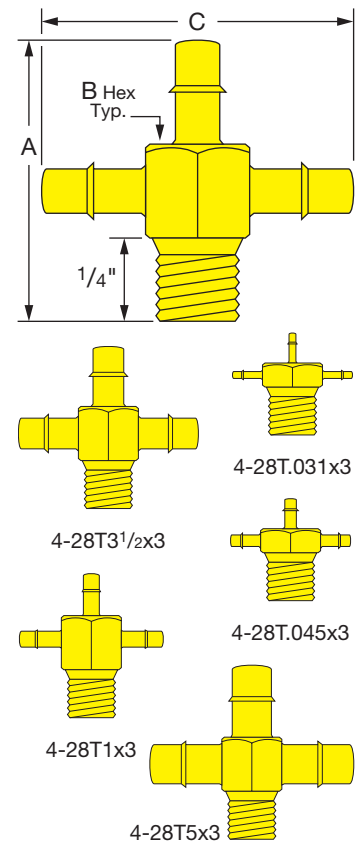
Part Numbers for 4-28 Thread to Tube Reducing L-Tees:



247

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

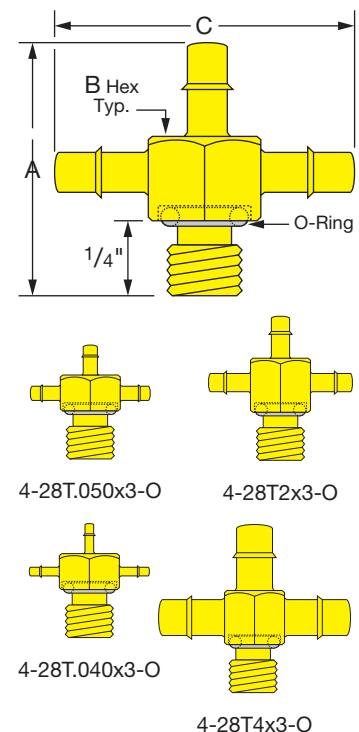
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	4-28T.031x3	4-28T.031x3-SS	4-28T.031x3-316SS	4-28T.031x3-NP	Consult Factory	Consult Factory	Consult Factory
.040 / 1mm	4-28T.040x3	4-28T.040x3-SS	4-28T.040x3-316SS	4-28T.040x3-NP	Consult Factory	Consult Factory	Consult Factory
3/64	4-28T.045x3	4-28T.045x3-SS	4-28T.045x3-316SS	4-28T.045x3-NP	Consult Factory	Consult Factory	Consult Factory
.050	4-28T.050x3	4-28T.050x3-SS	4-28T.050x3-316SS	4-28T.050x3-NP	Consult Factory	Consult Factory	Consult Factory
1/16	4-28T1x3	4-28T1x3-SS	4-28T1x3-316SS	4-28T1x3-NP	Consult Factory	Consult Factory	Consult Factory
5/64 / 2mm	4-28T2x3	4-28T2x3-SS	4-28T2x3-316SS	4-28T2x3-NP	Consult Factory	Consult Factory	Consult Factory
3/32	4-28T2 1/2x3	4-28T2 1/2x3-SS	4-28T2 1/2x3-316SS	4-28T2 1/2x3-NP	Consult Factory	Consult Factory	Consult Factory
1/8	4-28T3x3	4-28T3x3-SS	4-28T3x3-316SS	4-28T3x3-NP	Consult Factory	Consult Factory	Consult Factory
5/32 / 4mm	4-28T3 1/2x3	4-28T3 1/2x3-SS	4-28T3 1/2x3-316SS	4-28T3 1/2x3-NP	Consult Factory	Consult Factory	Consult Factory
.170	4-28T4x3	4-28T4x3-SS	4-28T4x3-316SS	4-28T4x3-NP	Consult Factory	Consult Factory	Consult Factory
3/16	4-28T5x3	4-28T5x3-SS	4-28T5x3-316SS	4-28T5x3-NP	Consult Factory	Consult Factory	Consult Factory
7/32	4-28T5 1/2x3	4-28T5 1/2x3-SS	4-28T5 1/2x3-316SS	4-28T5 1/2x3-NP	Consult Factory	Consult Factory	Consult Factory
6mm	4-28T5 3/4x3	4-28T5 3/4x3-SS	4-28T5 3/4x3-316SS	4-28T5 3/4x3-NP	Consult Factory	Consult Factory	Consult Factory
1/4	4-28T6x3	4-28T6x3-SS	4-28T6x3-316SS	4-28T6x3-NP	Consult Factory	Consult Factory	Consult Factory
5/16 / 8mm	4-28T7x3	4-28T7x3-SS	4-28T7x3-316SS	4-28T7x3-NP	Consult Factory	Consult Factory	Consult Factory
3/8	4-28T8x3	4-28T8x3-SS	4-28T8x3-316SS	4-28T8x3-NP	Consult Factory	Consult Factory	Consult Factory



248

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

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	4-28T.031x3-O	4-28T.031x3-O-SS	4-28T.031x3-O-316SS	4-28T.031x3-O-NP	Consult Factory	Consult Factory	Consult Factory
.040 / 1mm	4-28T.040x3-O	4-28T.040x3-O-SS	4-28T.040x3-O-316SS	4-28T.040x3-O-NP	Consult Factory	Consult Factory	Consult Factory
3/64	4-28T.045x3-O	4-28T.045x3-O-SS	4-28T.045x3-O-316SS	4-28T.045x3-O-NP	Consult Factory	Consult Factory	Consult Factory
.050	4-28T.050x3-O	4-28T.050x3-O-SS	4-28T.050x3-O-316SS	4-28T.050x3-O-NP	Consult Factory	Consult Factory	Consult Factory
1/16	4-28T1x3-O	4-28T1x3-O-SS	4-28T1x3-O-316SS	4-28T1x3-O-NP	Consult Factory	Consult Factory	Consult Factory
5/64 / 2mm	4-28T2x3-O	4-28T2x3-O-SS	4-28T2x3-O-316SS	4-28T2x3-O-NP	Consult Factory	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory	Consult Factory
1/8	4-28T3x3-O	4-28T3x3-O-SS	4-28T3x3-O-316SS	4-28T3x3-O-NP	Consult Factory	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory	Consult Factory
.170	4-28T4x3-O	4-28T4x3-O-SS	4-28T4x3-O-316SS	4-28T4x3-O-NP	Consult Factory	Consult Factory	Consult Factory
3/16	4-28T5x3-O	4-28T5x3-O-SS	4-28T5x3-O-316SS	4-28T5x3-O-NP	Consult Factory	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory	Consult Factory
6mm	4-28T5 3/4x3-O	4-28T5 3/4x3-O-SS	4-28T5 3/4x3-O-316SS	4-28T5 3/4x3-O-NP	Consult Factory	Consult Factory	Consult Factory
1/4	4-28T6x3-O	4-28T6x3-O-SS	4-28T6x3-O-316SS	4-28T6x3-O-NP	Consult Factory	Consult Factory	Consult Factory
5/16 / 8mm	4-28T7x3-O	4-28T7x3-O-SS	4-28T7x3-O-316SS	4-28T7x3-O-NP	Consult Factory	Consult Factory	Consult Factory
3/8	4-28T8x3-O	4-28T8x3-O-SS	4-28T8x3-O-316SS	4-28T8x3-O-NP	Consult Factory	Consult Factory	Consult Factory

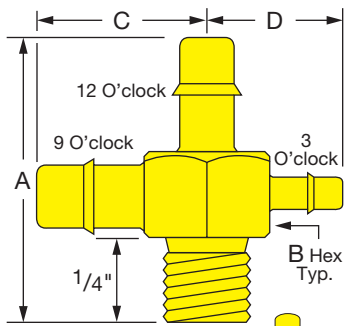


O-Ring material options listed on pg. 65.



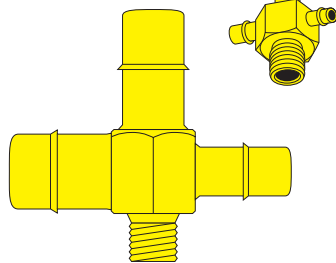
1/4-28 (4-28) Thread to Tube Custom Reducing Tees x 3 with Fibre Gasket Supplied

249



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

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



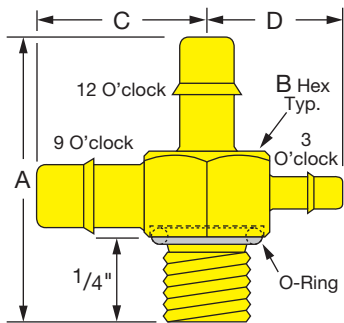
4-28RT8-7-6

Part Numbers for 4-28 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



O-Ring material options on pg. 65.

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

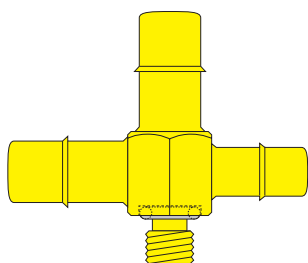
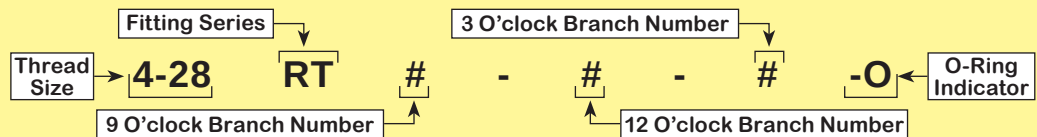
Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
5/32 / 4mm	3 1/2	Factory	Factory	Factory	Factory
.170	4	Factory	Factory	Factory	Factory
3/16	5	Factory	Factory	Factory	Factory
7/32	5 1/2	Factory	Factory	Factory	Factory
6mm	5 3/4	Consult	Consult	Consult	Consult
1/4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

Unless otherwise specified, parts will be Brass.

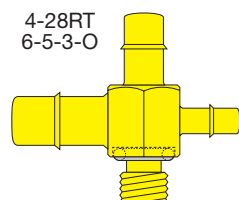
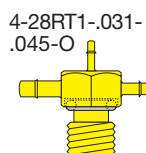
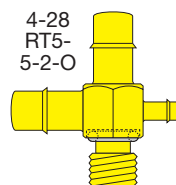
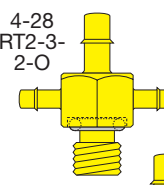
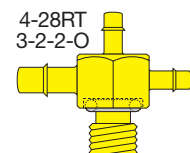
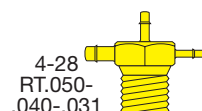
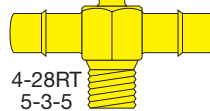
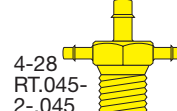
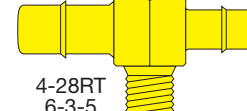
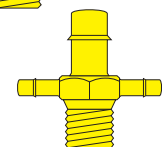
To order other materials, please add the following codes to the part number:

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

Part Numbers for 4-28 Thread to Tube Reducing Tees x 3:



4-28RT7-7-6-O

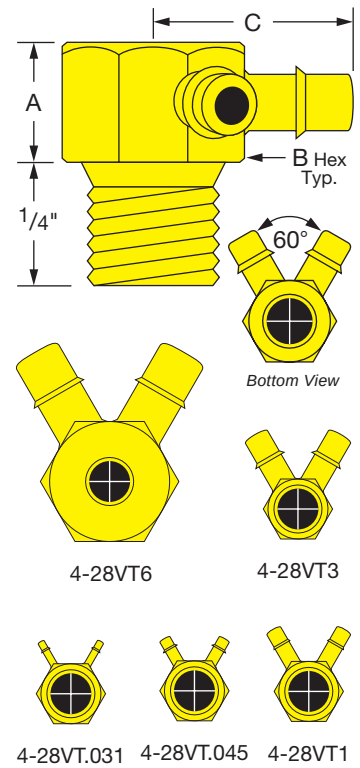
4-28RT
6-5-3-O4-28RT1-.031-
.045-O4-28
RT5-
5-2-O4-28
RT2-3-
2-O4-28RT
3-2-2-O4-28
RT.050-
.040-.0314-28RT
5-3-54-28
RT.045-
2-.0454-28RT
6-3-5

4-28RT1-3-1

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 Consult Factory Consult Factory
.040 / 1mm	4-28VT.040	4-28VT.040-SS	4-28VT.040-316SS	4-28VT.040-NP	1/8	5/16	
3/64	4-28VT.045	4-28VT.045-SS	4-28VT.045-316SS	4-28VT.045-NP	1/8	5/16	
.050	4-28VT.050	4-28VT.050-SS	4-28VT.050-316SS	4-28VT.050-NP	1/8	5/16	
1/16	4-28VT1	4-28VT1-SS	4-28VT1-316SS	4-28VT1-NP	9/32	5/16	
5/64 / 2mm	4-28VT2	4-28VT2-SS	4-28VT2-316SS	4-28VT2-NP	9/32	5/16	
3/32	4-28VT2 1/2	4-28VT2 1/2-SS	4-28VT2 1/2-316SS	4-28VT2 1/2-NP	9/32	5/16	
1/8	4-28VT3	4-28VT3-SS	4-28VT3-316SS	4-28VT3-NP	9/32	5/16	
5/32 / 4mm	4-28VT3 1/2	4-28VT3 1/2-SS	4-28VT3 1/2-316SS	4-28VT3 1/2-NP	9/32	5/16	
.170	4-28VT4	4-28VT4-SS	4-28VT4-316SS	4-28VT4-NP	9/32	5/16	
3/16	4-28VT5	4-28VT5-SS	4-28VT5-316SS	4-28VT5-NP	9/32	5/16	
7/32	4-28VT5 1/2	4-28VT5 1/2-SS	4-28VT5 1/2-316SS	4-28VT5 1/2-NP	9/32	5/16	
6mm	4-28VT5 3/4	4-28VT5 3/4-SS	4-28VT5 3/4-316SS	4-28VT5 3/4-NP	3/8	3/8	
1/4	4-28VT6	4-28VT6-SS	4-28VT6-316SS	4-28VT6-NP	3/8	3/8	
5/16 / 8mm	4-28VT7	4-28VT7-SS	4-28VT7-316SS	4-28VT7-NP	3/8	7/16	
3/8	4-28VT8	4-28VT8-SS	4-28VT8-316SS	4-28VT8-NP	3/8	7/16	

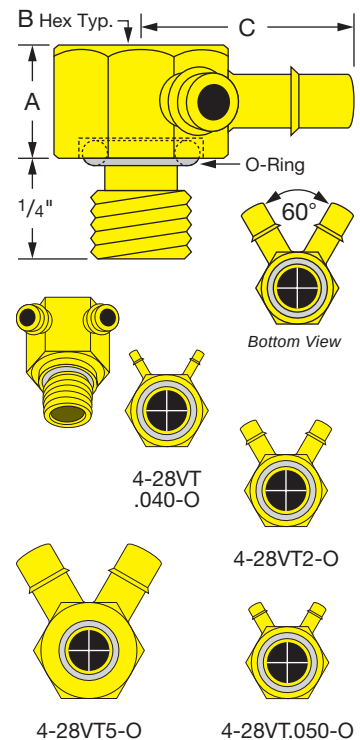


Note: Images are for visual representation only; not intended for dimensional measurements.

252

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

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	4-28VT.031-O	4-28VT.031-O-SS	4-28VT.031-O-316SS	4-28VT.031-O-NP	3/16	3/8	Consult Factory
.040 / 1mm	4-28VT.040-O	4-28VT.040-O-SS	4-28VT.040-O-316SS	4-28VT.040-O-NP	3/16	3/8	
3/64	4-28VT.045-O	4-28VT.045-O-SS	4-28VT.045-O-316SS	4-28VT.045-O-NP	3/16	3/8	
.050	4-28VT.050-O	4-28VT.050-O-SS	4-28VT.050-O-316SS	4-28VT.050-O-NP	3/16	3/8	
1/16	4-28VT1-O	4-28VT1-O-SS	4-28VT1-O-316SS	4-28VT1-O-NP	9/32	3/8	
5/64 / 2mm	4-28VT2-O	4-28VT2-O-SS	4-28VT2-O-316SS	4-28VT2-O-NP	9/32	3/8	
3/32	4-28VT2 1/2-O	4-28VT2 1/2-O-SS	4-28VT2 1/2-O-316SS	4-28VT2 1/2-O-NP	9/32	3/8	
1/8	4-28VT3-O	4-28VT3-O-SS	4-28VT3-O-316SS	4-28VT3-O-NP	9/32	3/8	
5/32 / 4mm	4-28VT3 1/2-O	4-28VT3 1/2-O-SS	4-28VT3 1/2-O-316SS	4-28VT3 1/2-O-NP	9/32	3/8	
.170	4-28VT4-O	4-28VT4-O-SS	4-28VT4-O-316SS	4-28VT4-O-NP	9/32	3/8	
3/16	4-28VT5-O	4-28VT5-O-SS	4-28VT5-O-316SS	4-28VT5-O-NP	9/32	3/8	
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	3/8	
1/4	4-28VT6-O	4-28VT6-O-SS	4-28VT6-O-316SS	4-28VT6-O-NP	3/8	3/8	
5/16 / 8mm	4-28VT7-O	4-28VT7-O-SS	4-28VT7-O-316SS	4-28VT7-O-NP	3/8	1/2	
3/8	4-28VT8-O	4-28VT8-O-SS	4-28VT8-O-316SS	4-28VT8-O-NP	3/8	1/2	

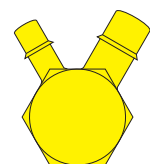
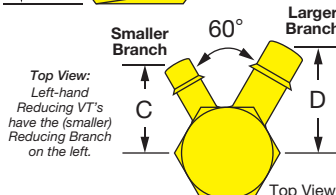
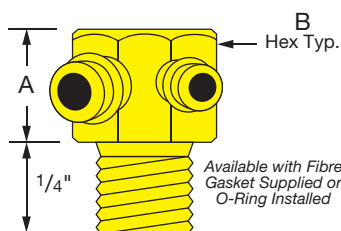


**O-Ring material options
listed on page 65.**

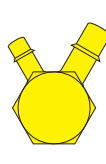


1/4-28 (4-28) Thread to Tube Custom Reducing Left Hand V-Tees

253



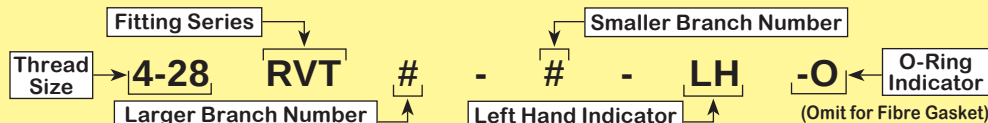
4-28RVT5-3-LH

4-28RVT
3-2-LH

Branches		Dimensions (Reference)			
Tube ID	Branch Number	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		

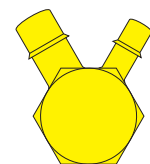
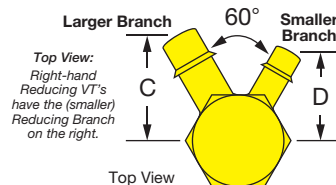
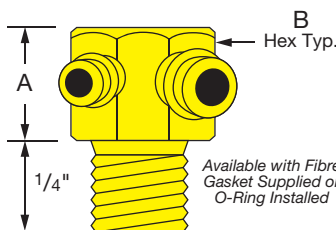
Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
5/32 / 4mm	3 1/2	Consult Factory	Consult Factory		
.170	4	Consult Factory	Consult Factory		
3/16	5	Consult Factory	Consult Factory		
7/32	5 1/2	Consult Factory	Consult Factory		
6mm	5 3/4	Consult Factory	Consult Factory		
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 4-28 Thread to Tube Reducing Left Hand V-Tees:

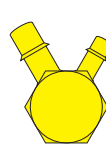


1/4-28 (4-28) Thread to Tube Custom Reducing Right Hand V-Tees

254



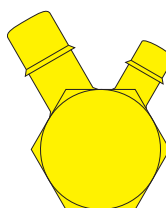
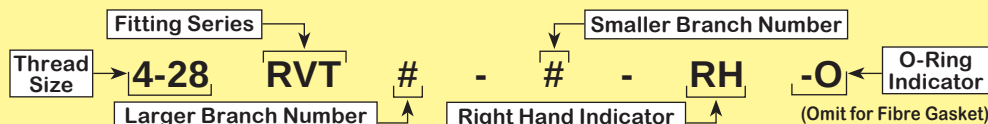
4-28RVT5-3-RH

4-28RVT
3-2-RH

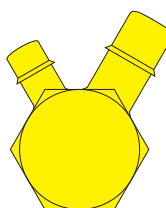
Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	Consult Factory	Consult Factory		
.040 / 1mm	.040	Consult Factory	Consult Factory		
3/64	.045	Consult Factory	Consult Factory		
.050	.050	Consult Factory	Consult Factory		
1/16	1	Consult Factory	Consult Factory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

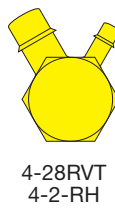
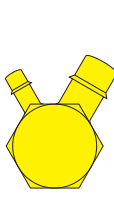
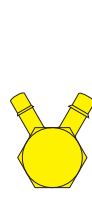
Part Numbers for 4-28 Thread to Tube Reducing Right Hand V-Tees:



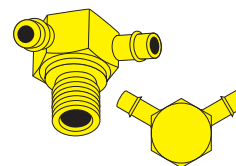
4-28RVT6-4-RH



4-28RVT6-4-LH

4-28RVT
4-2-RH4-28RVT
4-2-LH4-28RVT
2-1-RH4-28RVT
2-1-LH

1/4-28 Thread to Tube V-Tees Customized with 120° Branches! Consult Factory for Details!

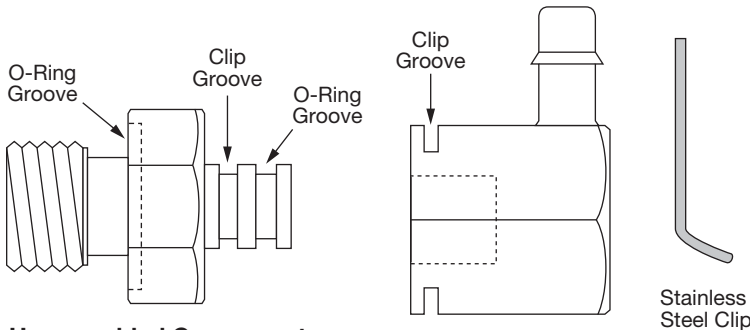
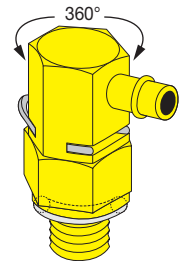
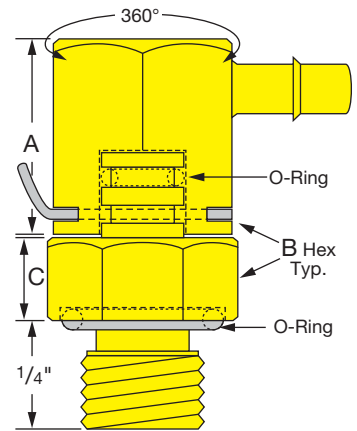


Unless otherwise specified, parts will be Brass. To order other materials, please add the following codes to the part number:
-SS = Stainless Steel 303 **-316SS = Stainless Steel 316** **-NP = Electroless Nickel Plate**

255

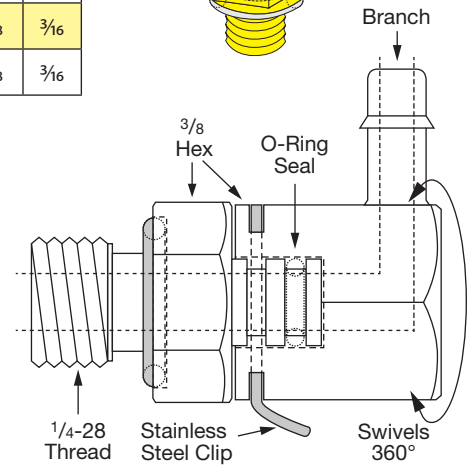
1/4-28 (4-28) Thread to Tube Swivel Elbows with Clip Groove

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	4-28SW-LB.031-O-GT	4-28SW-LB.031-O-SS-GT	4-28SW-LB.031-O-316SS-GT	4-28SW-LB.031-O-NP-GT	1/2	3/8	3/16
.040 / 1mm	4-28SW-LB.040-O-GT	4-28SW-LB.040-O-SS-GT	4-28SW-LB.040-O-316SS-GT	4-28SW-LB.040-O-NP-GT	1/2	3/8	3/16
3/64	4-28SW-LB.045-O-GT	4-28SW-LB.045-O-SS-GT	4-28SW-LB.045-O-316SS-GT	4-28SW-LB.045-O-NP-GT	1/2	3/8	3/16
.050	4-28SW-LB.050-O-GT	4-28SW-LB.050-O-SS-GT	4-28SW-LB.050-O-316SS-GT	4-28SW-LB.050-O-NP-GT	1/2	3/8	3/16
1/16	4-28SW-LB1-O-GT	4-28SW-LB1-O-SS-GT	4-28SW-LB1-O-316SS-GT	4-28SW-LB1-O-NP-GT	1/2	3/8	3/16
5/64 / 2mm	4-28SW-LB2-O-GT	4-28SW-LB2-O-SS-GT	4-28SW-LB2-O-316SS-GT	4-28SW-LB2-O-NP-GT	1/2	3/8	3/16
3/32	4-28SW-LB2 1/2-O-GT	4-28SW-LB2 1/2-O-SS-GT	4-28SW-LB2 1/2-O-316SS-GT	4-28SW-LB2 1/2-O-NP-GT	1/2	3/8	3/16
1/8	4-28SW-LB3-O-GT	4-28SW-LB3-O-SS-GT	4-28SW-LB3-O-316SS-GT	4-28SW-LB3-O-NP-GT	1/2	3/8	3/16
5/32 / 4mm	4-28SW-LB3 1/2-O-GT	4-28SW-LB3 1/2-O-SS-GT	4-28SW-LB3 1/2-O-316SS-GT	4-28SW-LB3 1/2-O-NP-GT	1/2	3/8	3/16
.170	4-28SW-LB4-O-GT	4-28SW-LB4-O-SS-GT	4-28SW-LB4-O-316SS-GT	4-28SW-LB4-O-NP-GT	1/2	3/8	3/16
3/16	4-28SW-LB5-O-GT	4-28SW-LB5-O-SS-GT	4-28SW-LB5-O-316SS-GT	4-28SW-LB5-O-NP-GT	1/2	3/8	3/16
7/32	4-28SW-LB5 1/2-O-GT	4-28SW-LB5 1/2-O-SS-GT	4-28SW-LB5 1/2-O-316SS-GT	4-28SW-LB5 1/2-O-NP-GT	1/2	3/8	3/16
6mm	4-28SW-LB5 3/4-O-GT	4-28SW-LB5 3/4-O-SS-GT	4-28SW-LB5 3/4-O-316SS-GT	4-28SW-LB5 3/4-O-NP-GT	1/2	3/8	3/16
1/4	4-28SW-LB6-O-GT	4-28SW-LB6-O-SS-GT	4-28SW-LB6-O-316SS-GT	4-28SW-LB6-O-NP-GT	1/2	3/8	3/16



Unassembled Components

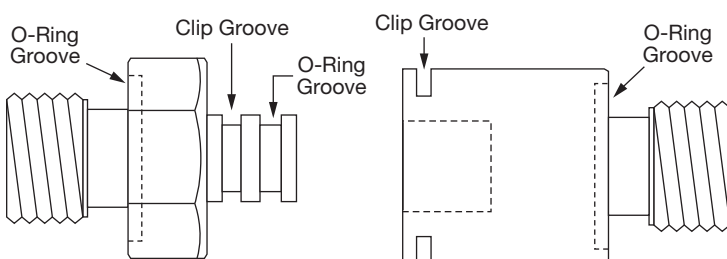
O-Ring material options listed on page 65.



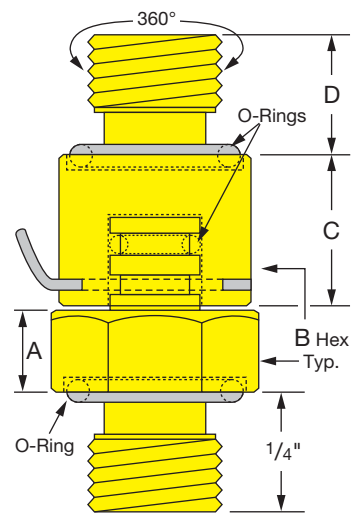
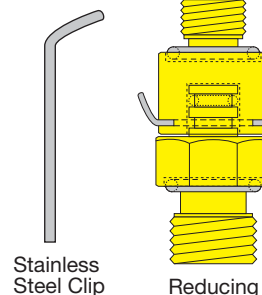
256

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

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.	D Ref.
1/4-28 - 1/4-28	4-28SWN-O-GT	4-28SWN-O-SS-GT	4-28SWN-O-316SS-GT	4-28SWN-O-AL-GT	4-28SWN-O-NP-GT	3/16	3/8	Consult Factory	1/4
1/4-28 - 10-32 (Reducing)	4-28RSWN-10-O-GT	4-28RSWN-10-O-SS-GT	4-28RSWN-10-O-316SS-GT	4-28RSWN-10-O-AL-GT	4-28RSWN-10-O-NP-GT	3/16	3/8	Consult Factory	5/32
1/4-28 - 1/4-20 (Reducing)	4-28RSWN-4-20-O-GT	4-28RSWN-4-20-O-SS-GT	4-28RSWN-4-20-O-316SS-GT	4-28RSWN-4-20-O-AL-GT	4-28RSWN-4-20-O-NP-GT	3/16	3/8	Consult Factory	5/32



Unassembled Components

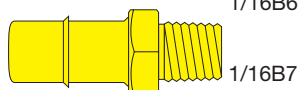
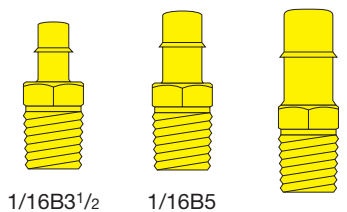
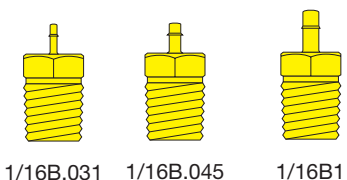
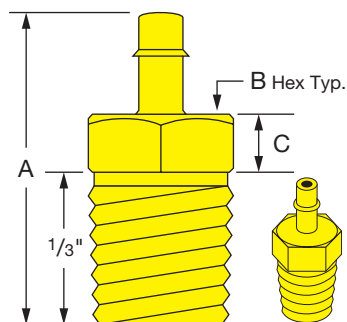


Note: Images are for visual representation only; not intended for dimensional measurements.



1/16 Male Pipe Thread to Tube

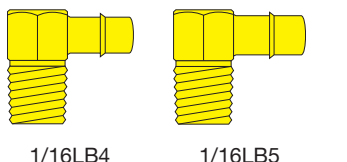
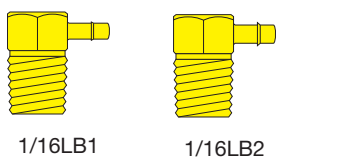
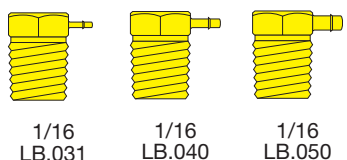
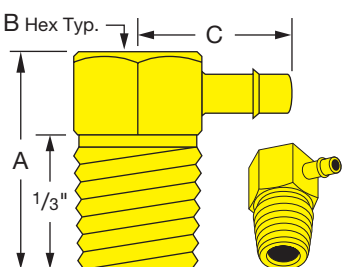
257



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 Pipe Thread to Tube Elbows

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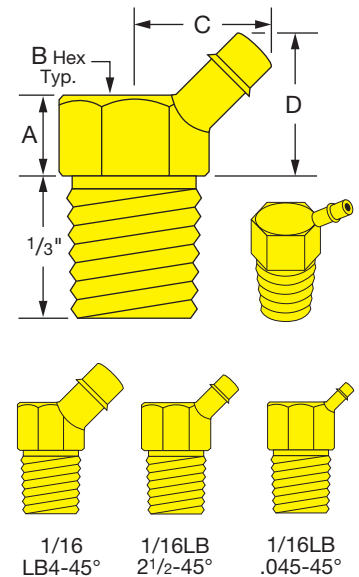


Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/16LB.031	1/16LB.031-SS	1/16LB.031-316SS	1/16LB.031-NP	29/64	5/16	5/16
.040 / 1mm	1/16LB.040	1/16LB.040-SS	1/16LB.040-316SS	1/16LB.040-NP	29/64	5/16	5/16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

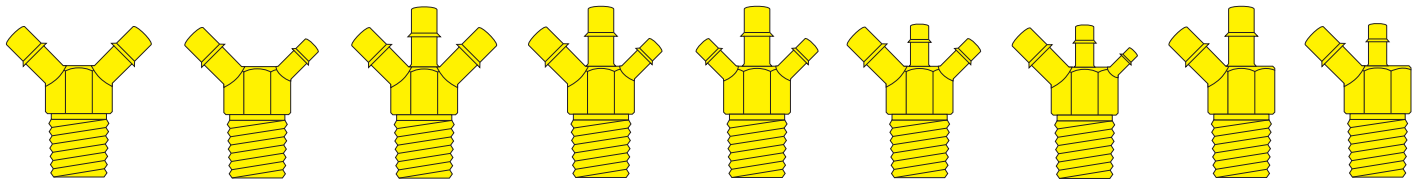
259

1/16 Male Pipe 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



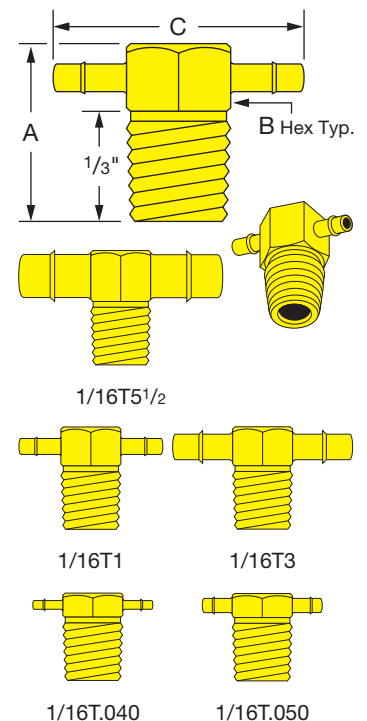
Custom 1/16 NPT Male Pipe Thread to Tube Fittings available! Consult factory for details!



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1/16 Male Pipe 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

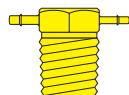
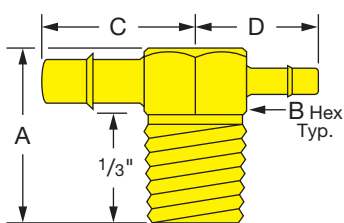
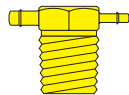
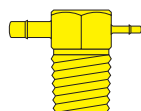


Note: Images are for visual representation only; not intended for dimensional measurements.

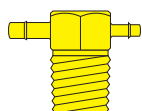


1/16 Male Pipe Thread to Tube Reducing Tees

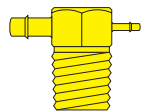
261

1/16RT
.040-.0311/16RT
.050-.040

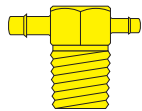
1/16RT1-.031



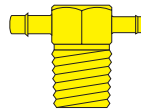
1/16RT1-.045



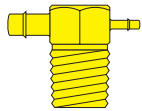
1/16RT2-.031



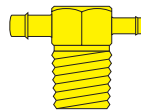
1/16RT2-.050



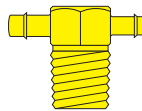
1/16RT2-1



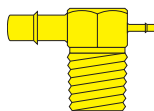
1/16RT2 1/2-.040



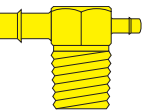
1/16RT2 1/2-1



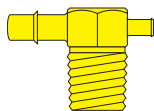
1/16RT2 1/2-2



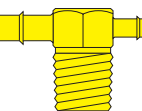
1/16RT3-.031



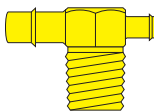
1/16RT3-.050



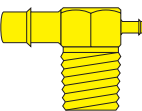
1/16RT3-1



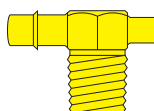
1/16RT3-2



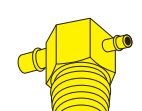
1/16RT3 1/2-2 1/2



1/16RT3.5-.045



1/16RT3 1/2-3



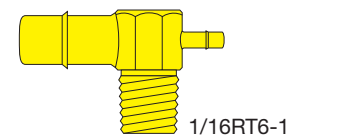
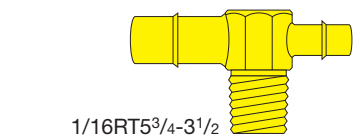
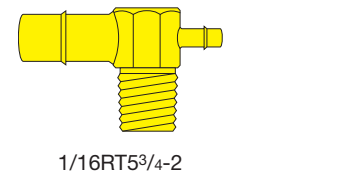
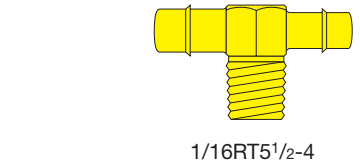
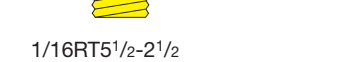
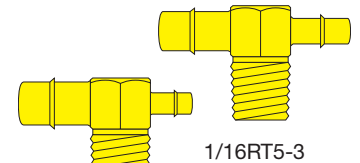
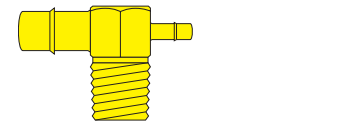
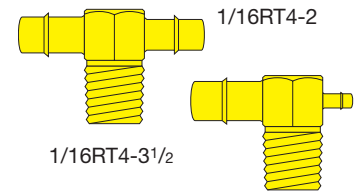
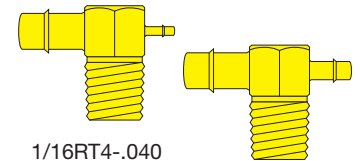
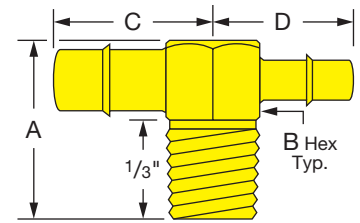
Note:
Dimensions may vary at time of manufacturing.

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.
.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 Pipe 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.
.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

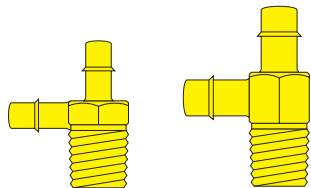
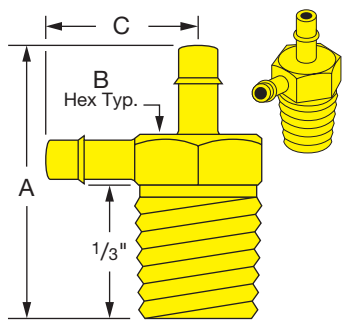


Note: Images are for visual representation only; not intended for dimensional measurements.



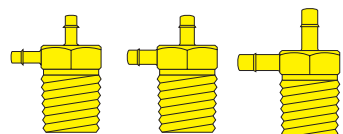
1/16 Male Pipe Thread to Tube L-Tees

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1/16LT3

1/16LT4

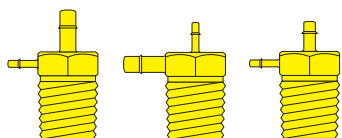
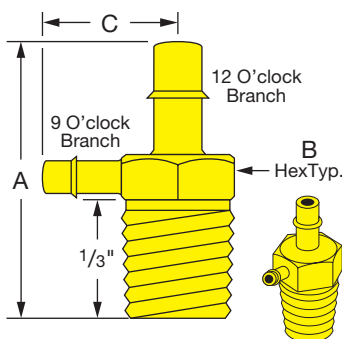


1/16LT.045 1/16LT.050 1/16LT1

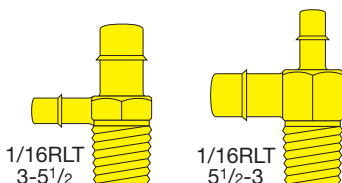
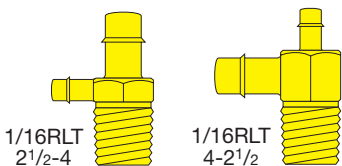
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/16LT.031	1/16LT.031-SS	1/16LT.031-316SS	1/16LT.031-NP	39/64	5/16	5/16
.040 / 1mm	1/16LT.040	1/16LT.040-SS	1/16LT.040-316SS	1/16LT.040-NP	39/64	5/16	5/16
3/64	1/16LT.045	1/16LT.045-SS	1/16LT.045-316SS	1/16LT.045-NP	39/64	5/16	5/16
.050	1/16LT.050	1/16LT.050-SS	1/16LT.050-316SS	1/16LT.050-NP	39/64	5/16	5/16
1/16	1/16LT1	1/16LT1-SS	1/16LT1-316SS	1/16LT1-NP	43/64	5/16	3/8
5/64 / 2mm	1/16LT2	1/16LT2-SS	1/16LT2-316SS	1/16LT2-NP	43/64	5/16	3/8
3/32	1/16LT2 1/2	1/16LT2 1/2-SS	1/16LT2 1/2-316SS	1/16LT2 1/2-NP	43/64	5/16	3/8
1/8	1/16LT3	1/16LT3-SS	1/16LT3-316SS	1/16LT3-NP	49/64	5/16	15/32
5/32 / 4mm	1/16LT3 1/2	1/16LT3 1/2-SS	1/16LT3 1/2-316SS	1/16LT3 1/2-NP	49/64	5/16	15/32
.170	1/16LT4	1/16LT4-SS	1/16LT4-316SS	1/16LT4-NP	15/16	5/16	1/2
3/16	1/16LT5	1/16LT5-SS	1/16LT5-316SS	1/16LT5-NP	31/32	5/16	17/32
7/32	1/16LT5 1/2	1/16LT5 1/2-SS	1/16LT5 1/2-316SS	1/16LT5 1/2-NP	31/32	5/16	17/32
6mm	1/16LT5 3/4	1/16LT5 3/4-SS	1/16LT5 3/4-316SS	1/16LT5 3/4-NP	1 5/64	5/16	1 1/16
1/4	1/16LT6	1/16LT6-SS	1/16LT6-316SS	1/16LT6-NP	1 5/64	5/16	1 1/16

1/16 Male Pipe Thread to Tube Reducing L-Tees

264



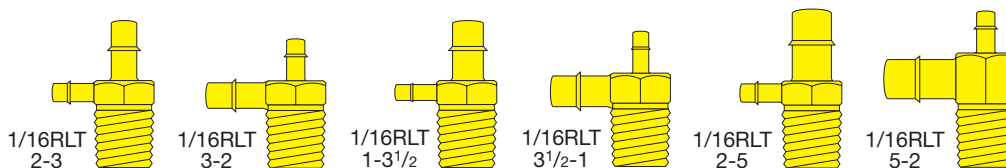
1/16RLT .031-1 1/16RLT 1-.031 1/16RLT .031-.045



1/16RLT 3-5 1/2 1/16RLT 5 1/2-3

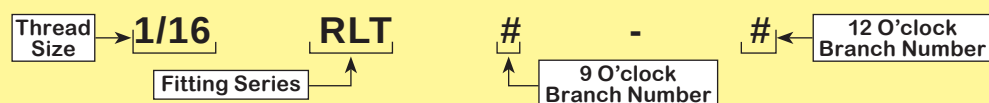
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/32	.031	Consult Factory	5/16	5/16
.040 / 1mm	.040		5/16	5/16
3/64	.045		5/16	5/16
.050	.050		5/16	5/16
1/16	1		43/64	5/16
5/64 / 2mm	2		43/64	5/16
3/32	2 1/2	43/64	5/16	3/8

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	1 5/64	5/16	1 1/16
1/4	6	1 5/64	5/16	1 1/16



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

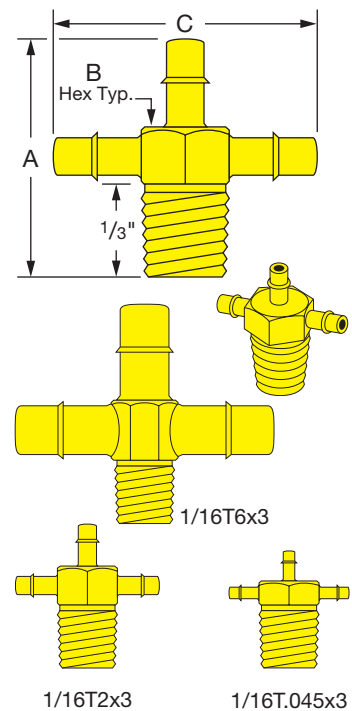
Part Numbers for 1/16 Male Pipe Thread to Tube Reducing L-Tees:



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1/16 Male Pipe 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



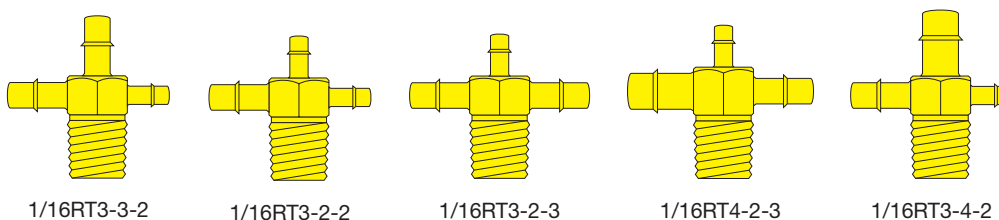
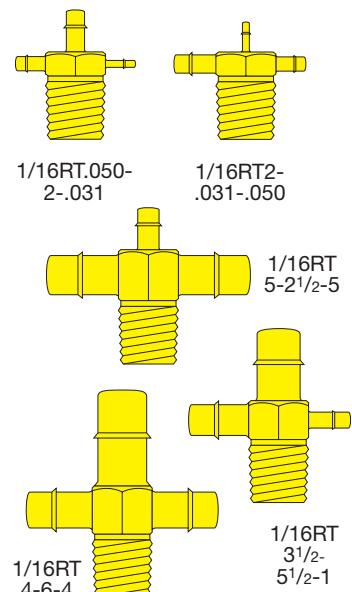
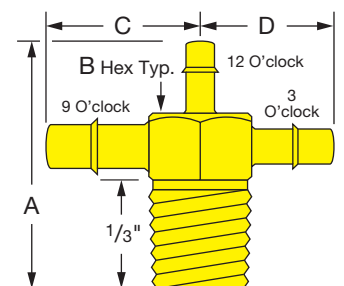
Note: Images are for visual representation only; not intended for dimensional measurements.

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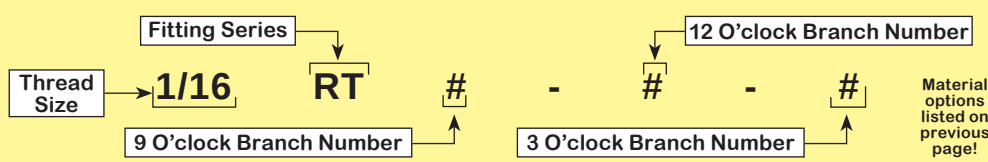
1/16 Male Pipe Thread to Tube Custom Reducing Tees x 3

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	5/16	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



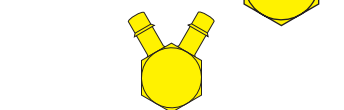
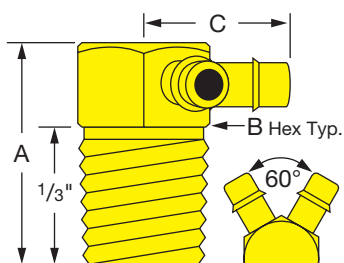
Part Numbers for 1/16 Male Pipe Thread to Tube Reducing Tees x 3:





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

267



1/16VT.040

1/16VT.050

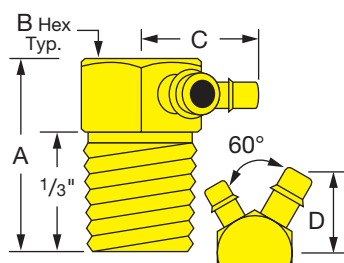
1/16VT4

Note:
Dimensions may
vary at time of
manufacturing.

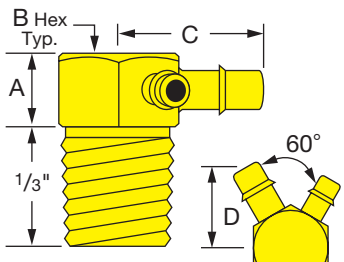
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/16VT.031	1/16VT.031-SS	1/16VT.031-316SS	1/16VT.031-NP	29/64	5/16	5/16
.040 / 1mm	1/16VT.040	1/16VT.040-SS	1/16VT.040-316SS	1/16VT.040-NP	29/64	5/16	5/16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

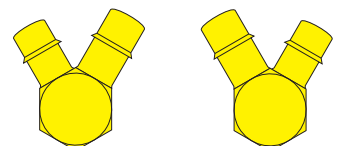
268



Top View:
Left-hand Reducing VT's

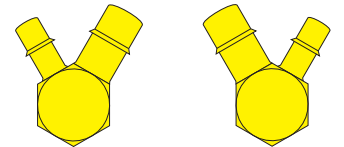


Top View:
Right-hand Reducing VT's
have the (smaller) Reducing Branch on the right.



1/16RVT5-4-LH

1/16RVT5-4-RH



1/16RVT5-3-LH

1/16RVT5-3-RH

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
5/32 / 4mm	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 #	

1/16
RVT
4-2-RH1/16
RVT
4-2-LH1/16RVT
3-2-RH1/16RVT
3-2-LH1/16
RVT
2-1-LH1/16RVT
2-1-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

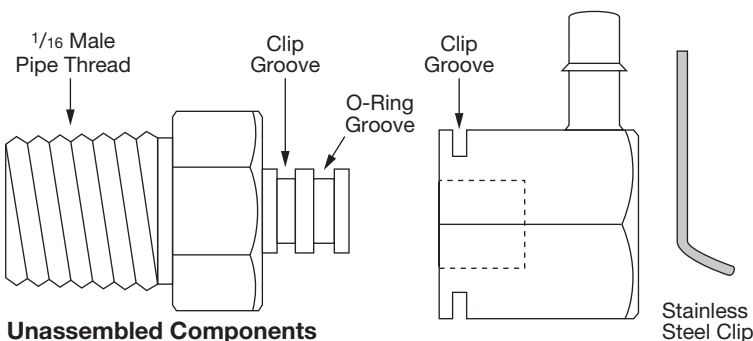
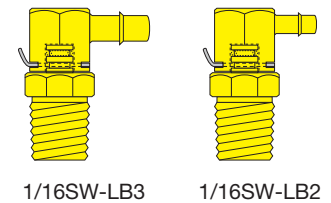
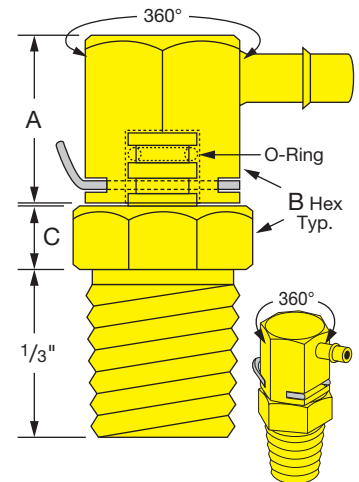
-316SS = Stainless Steel 316

-NP = Electroless Nickel Plate

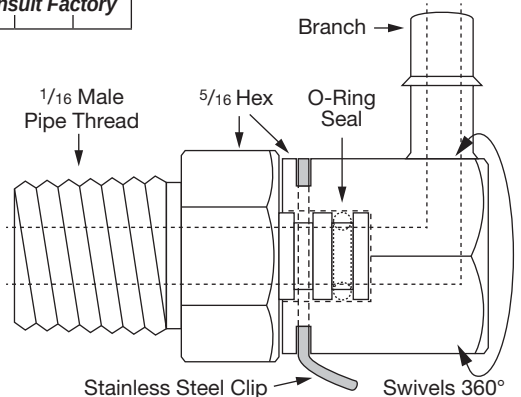
269

1/16 Male Pipe 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.
1/32	1/16SW-LB.031-GT	1/16SW-LB.031-SS-GT	1/16SW-LB.031-316SS-GT	1/16SW-LB.031-NP-GT	Consult Factory		
.040 / 1mm	1/16SW-LB.040-GT	1/16SW-LB.040-SS-GT	1/16SW-LB.040-316SS-GT	1/16SW-LB.040-NP-GT	Consult Factory		
3/64	1/16SW-LB.045-GT	1/16SW-LB.045-SS-GT	1/16SW-LB.045-316SS-GT	1/16SW-LB.045-NP-GT	Consult Factory		
.050	1/16SW-LB.050-GT	1/16SW-LB.050-SS-GT	1/16SW-LB.050-316SS-GT	1/16SW-LB.050-NP-GT	Consult Factory		
1/16	1/16SW-LB1-GT	1/16SW-LB1-SS-GT	1/16SW-LB1-316SS-GT	1/16SW-LB1-NP-GT	Consult Factory		
5/64 / 2mm	1/16SW-LB2-GT	1/16SW-LB2-SS-GT	1/16SW-LB2-316SS-GT	1/16SW-LB2-NP-GT	Consult Factory		
3/32	1/16SW-LB2 1/2-GT	1/16SW-LB2 1/2-SS-GT	1/16SW-LB2 1/2-316SS-GT	1/16SW-LB2 1/2-NP-GT	Consult Factory		
1/8	1/16SW-LB3-GT	1/16SW-LB3-SS-GT	1/16SW-LB3-316SS-GT	1/16SW-LB3-NP-GT	Consult Factory		
5/32 / 4mm	1/16SW-LB3 1/2-GT	1/16SW-LB3 1/2-SS-GT	1/16SW-LB3 1/2-316SS-GT	1/16SW-LB3 1/2-NP-GT	Consult Factory		
.170	1/16SW-LB4-GT	1/16SW-LB4-SS-GT	1/16SW-LB4-316SS-GT	1/16SW-LB4-NP-GT	Consult Factory		
3/16	1/16SW-LB5-GT	1/16SW-LB5-SS-GT	1/16SW-LB5-316SS-GT	1/16SW-LB5-NP-GT	Consult Factory		
7/32	1/16SW-LB5 1/2-GT	1/16SW-LB5 1/2-SS-GT	1/16SW-LB5 1/2-316SS-GT	1/16SW-LB5 1/2-NP-GT	Consult Factory		
6mm	1/16SW-LB5 3/4-GT	1/16SW-LB5 3/4-SS-GT	1/16SW-LB5 3/4-316SS-GT	1/16SW-LB5 3/4-NP-GT	Consult Factory		
1/4	1/16SW-LB6-GT	1/16SW-LB6-SS-GT	1/16SW-LB6-316SS-GT	1/16SW-LB6-NP-GT	Consult Factory		



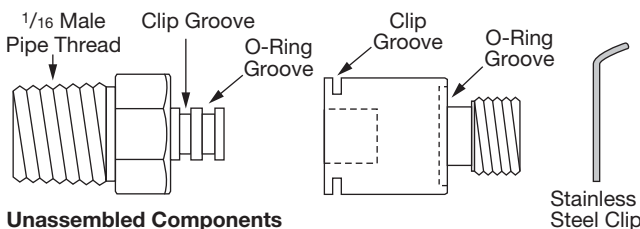
Unassembled Components



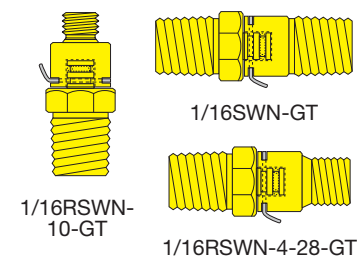
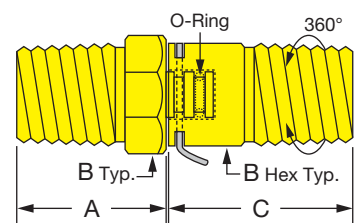
270

1/16 Thread Swivel Nipples and Reducing Swivel Nipples

Thread Size	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16 - 1/16	1/16SWN-GT	1/16SWN-GT-SS	1/16SWN-GT-316SS	1/16SWN-GT-AL	1/16SWN-GT-NP	Consult Factory		
1/16 - 10-32 (Reducing)	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 Factory		
1/16 - 1/4-20 (Reducing)	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 Factory		
1/16 - 1/4-28 (Reducing)	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	Consult Factory		



Unassembled Components

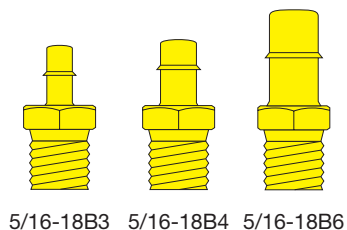
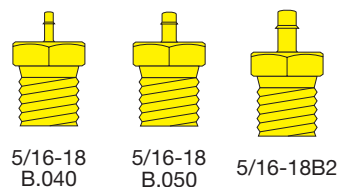
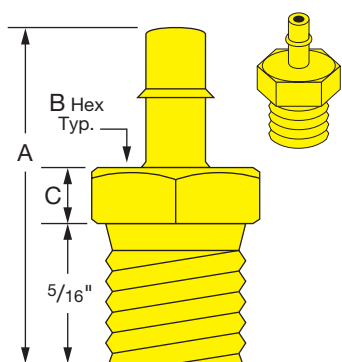


Note: Images are for visual representation only; not intended for dimensional measurements.



5/16-18 Male Pipe Thread to Tube

271

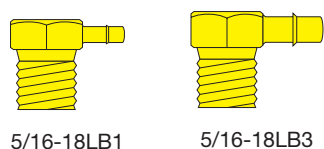
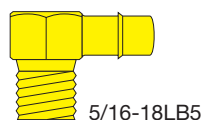
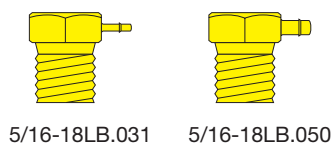
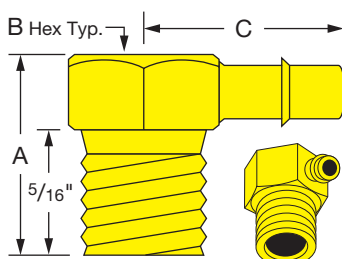


O-Ring options also available!

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	5/16-18B.031	5/16-18B.031-SS	5/16-18B.031-316SS	N/A	5/16-18B.031-NP	Factory	Consult	Factory
.040 / 1mm	5/16-18B.040	5/16-18B.040-SS	5/16-18B.040-316SS	N/A	5/16-18B.040-NP	Factory	Consult	Factory
3/64	5/16-18B.045	5/16-18B.045-SS	5/16-18B.045-316SS	N/A	5/16-18B.045-NP	Factory	Consult	Factory
.050	5/16-18B.050	5/16-18B.050-SS	5/16-18B.050-316SS	N/A	5/16-18B.050-NP	Factory	Consult	Factory
1/16	5/16-18B1	5/16-18B1-SS	5/16-18B1-316SS	5/16-18B1-AL	5/16-18B1-NP	Factory	Consult	Factory
5/64 / 2mm	5/16-18B2	5/16-18B2-SS	5/16-18B2-316SS	5/16-18B2-AL	5/16-18B2-NP	Factory	Consult	Factory
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	Factory	Consult	Factory
1/8	5/16-18B3	5/16-18B3-SS	5/16-18B3-316SS	5/16-18B3-AL	5/16-18B3-NP	Factory	Consult	Factory
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	Factory	Consult	Factory
.170	5/16-18B4	5/16-18B4-SS	5/16-18B4-316SS	5/16-18B4-AL	5/16-18B4-NP	Factory	Consult	Factory
3/16	5/16-18B5	5/16-18B5-SS	5/16-18B5-316SS	5/16-18B5-AL	5/16-18B5-NP	Factory	Consult	Factory
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	Factory	Consult	Factory
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	Factory	Consult	Factory
1/4	5/16-18B6	5/16-18B6-SS	5/16-18B6-316SS	5/16-18B6-AL	5/16-18B6-NP	Factory	Consult	Factory
5/16 / 8mm	5/16-18B7	5/16-18B7-SS	5/16-18B7-316SS	5/16-18B7-AL	5/16-18B7-NP	Factory	Consult	Factory
3/8	5/16-18B8	5/16-18B8-SS	5/16-18B8-316SS	5/16-18B8-AL	5/16-18B8-NP	Factory	Consult	Factory

5/16-18 Male Pipe Thread to Tube Elbows

272



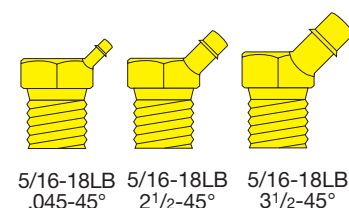
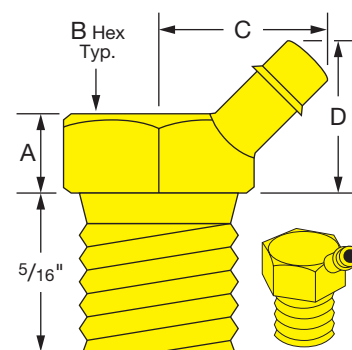
Note: Images are for visual representation only; not intended for dimensional measurements.

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	Factory	Consult	Factory
.040 / 1mm	5/16-18LB.040	5/16-18LB.040-SS	5/16-18LB.040-316SS	5/16-18LB.040-NP	Factory	Consult	Factory
3/64	5/16-18LB.045	5/16-18LB.045-SS	5/16-18LB.045-316SS	5/16-18LB.045-NP	Factory	Consult	Factory
.050	5/16-18LB.050	5/16-18LB.050-SS	5/16-18LB.050-316SS	5/16-18LB.050-NP	Factory	Consult	Factory
1/16	5/16-18LB1	5/16-18LB1-SS	5/16-18LB1-316SS	5/16-18LB1-NP	Factory	Consult	Factory
5/64 / 2mm	5/16-18LB2	5/16-18LB2-SS	5/16-18LB2-316SS	5/16-18LB2-NP	Factory	Consult	Factory
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	Factory	Consult	Factory
1/8	5/16-18LB3	5/16-18LB3-SS	5/16-18LB3-316SS	5/16-18LB3-NP	Factory	Consult	Factory
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	Factory	Consult	Factory
.170	5/16-18LB4	5/16-18LB4-SS	5/16-18LB4-316SS	5/16-18LB4-NP	Factory	Consult	Factory
3/16	5/16-18LB5	5/16-18LB5-SS	5/16-18LB5-316SS	5/16-18LB5-NP	Factory	Consult	Factory
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	Factory	Consult	Factory
6mm	5/16-18LB5 3/4	5/16-18LB5 3/4-SS	5/16-18LB5 3/4-316SS	5/16-18LB5 3/4-NP	Factory	Consult	Factory
1/4	5/16-18LB6	5/16-18LB6-SS	5/16-18LB6-316SS	5/16-18LB6-NP	Factory	Consult	Factory

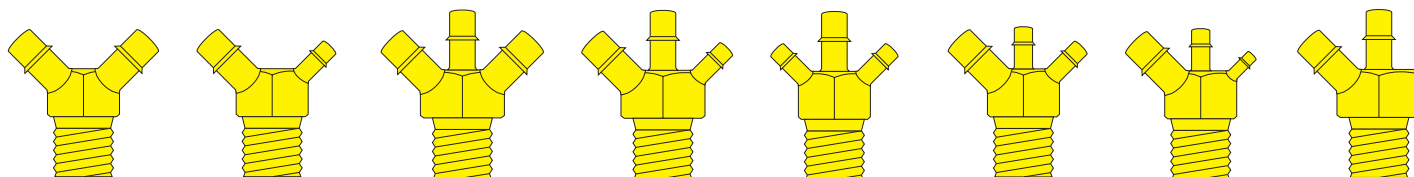
273

5/16-18 Male Pipe 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	Consult Factory	Consult Factory	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	Consult Factory	Consult Factory	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	Consult Factory	Consult Factory	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	Consult Factory	Consult Factory	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	Consult Factory	Consult Factory	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	Consult Factory	Consult Factory	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	Consult Factory	Consult Factory	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	Consult Factory	Consult Factory	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	Consult Factory	Consult Factory	Consult Factory	Consult Factory
.170	5/16-18LB4-45°	5/16-18LB4-45°-SS	5/16-18LB4-45°-316SS	5/16-18LB4-45°-NP	Consult Factory	Consult Factory	Consult Factory	Consult Factory



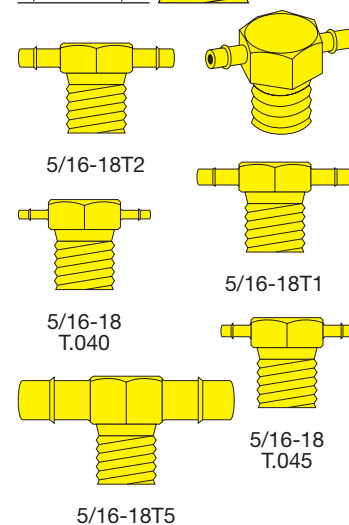
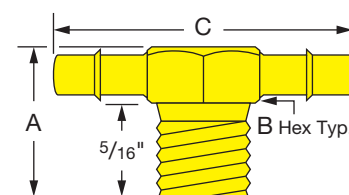
Custom 5/16-18 Male Pipe Thread to Tube Fittings available! Consult factory for details!



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5/16-18 Male Pipe 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	Consult Factory	Consult Factory	Consult Factory
.040 / 1mm	5/16-18T.040	5/16-18T.040-SS	5/16-18T.040-316SS	5/16-18T.040-NP	Consult Factory	Consult Factory	Consult Factory
3/64	5/16-18T.045	5/16-18T.045-SS	5/16-18T.045-316SS	5/16-18T.045-NP	Consult Factory	Consult Factory	Consult Factory
.050	5/16-18T.050	5/16-18T.050-SS	5/16-18T.050-316SS	5/16-18T.050-NP	Consult Factory	Consult Factory	Consult Factory
1/16	5/16-18T1	5/16-18T1-SS	5/16-18T1-316SS	5/16-18T1-NP	Consult Factory	Consult Factory	Consult Factory
5/64 / 2mm	5/16-18T2	5/16-18T2-SS	5/16-18T2-316SS	5/16-18T2-NP	Consult Factory	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory	Consult Factory
1/8	5/16-18T3	5/16-18T3-SS	5/16-18T3-316SS	5/16-18T3-NP	Consult Factory	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory	Consult Factory
.170	5/16-18T4	5/16-18T4-SS	5/16-18T4-316SS	5/16-18T4-NP	Consult Factory	Consult Factory	Consult Factory
3/16	5/16-18T5	5/16-18T5-SS	5/16-18T5-316SS	5/16-18T5-NP	Consult Factory	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory
1/4	5/16-18T6	5/16-18T6-SS	5/16-18T6-316SS	5/16-18T6-NP	Consult Factory	Consult Factory	Consult Factory

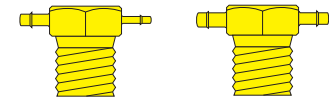
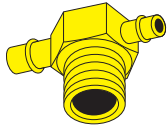
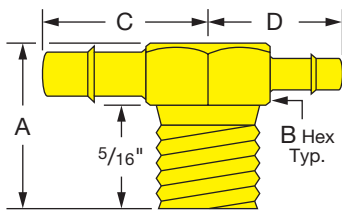
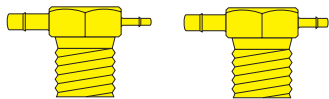
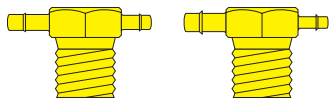
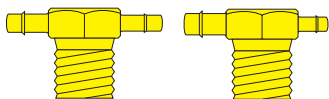


O-Ring options also available!

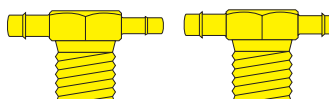


5/16-18 Male Pipe Thread to Tube Reducing Tees

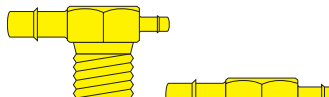
275

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

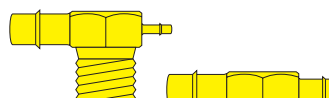
5/16-18RT2-1

5/16-18RT
2 1/2-.050

5/16-18RT2 1/2-1 5/16-18RT2 1/2-2

5/16-18RT
3-.050

5/16-18RT3-2

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

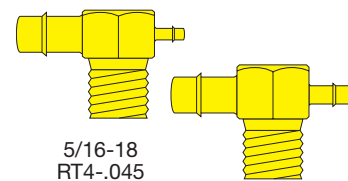
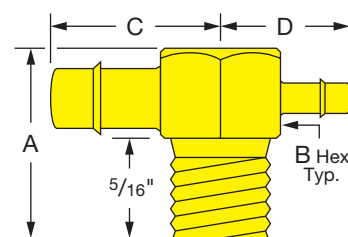
Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
.040 / 1mm	1/32	5/16-18R.040-.031	5/16-18RT.040-.031-SS	5/16-18RT.040-.031-316SS	5/16-18RT.040-.031-NP	Consult Factory	Consult Factory	Consult Factory	Consult Factory
3/64	1/32	5/16-18R.045-.031	5/16-18RT.045-.031-SS	5/16-18RT.045-.031-316SS	5/16-18RT.045-.031-NP	Consult Factory	Consult Factory	Consult Factory	Consult Factory
3/64	.040 / 1mm	5/16-18R.045-.040	5/16-18RT.045-.040-SS	5/16-18RT.045-.040-316SS	5/16-18RT.045-.040-NP	Consult Factory	Consult Factory	Consult Factory	Consult Factory
.050	1/32	5/16-18R.050-.031	5/16-18RT.050-.031-SS	5/16-18RT.050-.031-316SS	5/16-18RT.050-.031-NP	Consult Factory	Consult Factory	Consult Factory	Consult Factory
.050	.040 / 1mm	5/16-18R.050-.040	5/16-18RT.050-.040-SS	5/16-18RT.050-.040-316SS	5/16-18RT.050-.040-NP	Consult Factory	Consult Factory	Consult Factory	Consult Factory
.050	1/64	5/16-18R.050-.045	5/16-18RT.050-.045-SS	5/16-18RT.050-.045-316SS	5/16-18RT.050-.045-NP	Consult Factory	Consult Factory	Consult Factory	Consult Factory
1/16	1/32	5/16-18R1-.031	5/16-18RT1-.031-SS	5/16-18RT1-.031-316SS	5/16-18RT1-.031-NP	Consult Factory	Consult Factory	Consult Factory	Consult Factory
1/16	.040 / 1mm	5/16-18R1-.040	5/16-18RT1-.040-SS	5/16-18RT1-.040-316SS	5/16-18RT1-.040-NP	Consult Factory	Consult Factory	Consult Factory	Consult Factory
1/16	3/64	5/16-18R1-.045	5/16-18RT1-.045-SS	5/16-18RT1-.045-316SS	5/16-18RT1-.045-NP	Consult Factory	Consult Factory	Consult Factory	Consult Factory
1/16	.050	5/16-18R1-.050	5/16-18RT1-.050-SS	5/16-18RT1-.050-316SS	5/16-18RT1-.050-NP	Consult Factory	Consult Factory	Consult Factory	Consult Factory
5/64 / 2mm	1/32	5/16-18R2-.031	5/16-18RT2-.031-SS	5/16-18RT2-.031-316SS	5/16-18RT2-.031-NP	Consult Factory	Consult Factory	Consult Factory	Consult Factory
5/64 / 2mm	.040 / 1mm	5/16-18R2-.040	5/16-18RT2-.040-SS	5/16-18RT2-.040-316SS	5/16-18RT2-.040-NP	Consult Factory	Consult Factory	Consult Factory	Consult Factory
5/64 / 2mm	3/64	5/16-18R2-.045	5/16-18RT2-.045-SS	5/16-18RT2-.045-316SS	5/16-18RT2-.045-NP	Consult Factory	Consult Factory	Consult Factory	Consult Factory
5/64 / 2mm	.050	5/16-18R2-.050	5/16-18RT2-.050-SS	5/16-18RT2-.050-316SS	5/16-18RT2-.050-NP	Consult Factory	Consult Factory	Consult Factory	Consult Factory
5/64 / 2mm	1/16	5/16-18R2-1	5/16-18RT2-1-SS	5/16-18RT2-1-316SS	5/16-18RT2-1-NP	Consult Factory	Consult Factory	Consult Factory	Consult Factory
3/32	1/32	5/16-18R2 1/2-.031	5/16-18RT2 1/2-.031-SS	5/16-18RT2 1/2-.031-316SS	5/16-18RT2 1/2-.031-NP	Consult Factory	Consult Factory	Consult Factory	Consult Factory
3/32	.040 / 1mm	5/16-18R2 1/2-.040	5/16-18RT2 1/2-.040-SS	5/16-18RT2 1/2-.040-316SS	5/16-18RT2 1/2-.040-NP	Consult Factory	Consult Factory	Consult Factory	Consult Factory
3/32	3/64	5/16-18R2 1/2-.045	5/16-18RT2 1/2-.045-SS	5/16-18RT2 1/2-.045-316SS	5/16-18RT2 1/2-.045-NP	Consult Factory	Consult Factory	Consult Factory	Consult Factory
3/32	.050	5/16-18R2 1/2-.050	5/16-18RT2 1/2-.050-SS	5/16-18RT2 1/2-.050-316SS	5/16-18RT2 1/2-.050-NP	Consult Factory	Consult Factory	Consult Factory	Consult Factory
3/32	1/16	5/16-18R2 1/2-1	5/16-18RT2 1/2-1-SS	5/16-18RT2 1/2-1-316SS	5/16-18RT2 1/2-1-NP	Consult Factory	Consult Factory	Consult Factory	Consult Factory
3/32	5/64 / 2mm	5/16-18R2 1/2-2	5/16-18RT2 1/2-2-SS	5/16-18RT2 1/2-2-316SS	5/16-18RT2 1/2-2-NP	Consult Factory	Consult Factory	Consult Factory	Consult Factory
1/8	1/32	5/16-18R3-.031	5/16-18RT3-.031-SS	5/16-18RT3-.031-316SS	5/16-18RT3-.031-NP	Consult Factory	Consult Factory	Consult Factory	Consult Factory
1/8	.040 / 1mm	5/16-18R3-.040	5/16-18RT3-.040-SS	5/16-18RT3-.040-316SS	5/16-18RT3-.040-NP	Consult Factory	Consult Factory	Consult Factory	Consult Factory
1/8	3/64	5/16-18R3-.045	5/16-18RT3-.045-SS	5/16-18RT3-.045-316SS	5/16-18RT3-.045-NP	Consult Factory	Consult Factory	Consult Factory	Consult Factory
1/8	.050	5/16-18R3-.050	5/16-18RT3-.050-SS	5/16-18RT3-.050-316SS	5/16-18RT3-.050-NP	Consult Factory	Consult Factory	Consult Factory	Consult Factory
1/8	1/16	5/16-18R3-1	5/16-18RT3-1-SS	5/16-18RT3-1-316SS	5/16-18RT3-1-NP	Consult Factory	Consult Factory	Consult Factory	Consult Factory
1/8	5/64 / 2mm	5/16-18R3-2	5/16-18RT3-2-SS	5/16-18RT3-2-316SS	5/16-18RT3-2-NP	Consult Factory	Consult Factory	Consult Factory	Consult Factory
1/8	3/32	5/16-18R3-2 1/2	5/16-18RT3-2 1/2-SS	5/16-18RT3-2 1/2-316SS	5/16-18RT3-2 1/2-NP	Consult Factory	Consult Factory	Consult Factory	Consult Factory
5/32 / 4mm	1/32	5/16-18R3 1/2-.031	5/16-18RT3 1/2-.031-SS	5/16-18RT3 1/2-.031-316SS	5/16-18RT3 1/2-.031-NP	Consult Factory	Consult Factory	Consult Factory	Consult Factory
5/32 / 4mm	.040 / 1mm	5/16-18R3 1/2-.040	5/16-18RT3 1/2-.040-SS	5/16-18RT3 1/2-.040-316SS	5/16-18RT3 1/2-.040-NP	Consult Factory	Consult Factory	Consult Factory	Consult Factory
5/32 / 4mm	3/64	5/16-18R3 1/2-.045	5/16-18RT3 1/2-.045-SS	5/16-18RT3 1/2-.045-316SS	5/16-18RT3 1/2-.045-NP	Consult Factory	Consult Factory	Consult Factory	Consult Factory
5/32 / 4mm	.050	5/16-18R3 1/2-.050	5/16-18RT3 1/2-.050-SS	5/16-18RT3 1/2-.050-316SS	5/16-18RT3 1/2-.050-NP	Consult Factory	Consult Factory	Consult Factory	Consult Factory
5/32 / 4mm	1/16	5/16-18R3 1/2-1	5/16-18RT3 1/2-1-SS	5/16-18RT3 1/2-1-316SS	5/16-18RT3 1/2-1-NP	Consult Factory	Consult Factory	Consult Factory	Consult Factory
5/32 / 4mm	5/64 / 2mm	5/16-18R3 1/2-2	5/16-18RT3 1/2-2-SS	5/16-18RT3 1/2-2-316SS	5/16-18RT3 1/2-2-NP	Consult Factory	Consult Factory	Consult Factory	Consult Factory
5/32 / 4mm	3/32	5/16-18R3 1/2-2 1/2	5/16-18RT3 1/2-2 1/2-SS	5/16-18RT3 1/2-2 1/2-316SS	5/16-18RT3 1/2-2 1/2-NP	Consult Factory	Consult Factory	Consult Factory	Consult Factory
5/32 / 4mm	1/8	5/16-18R3 1/2-3	5/16-18RT3 1/2-3-SS	5/16-18RT3 1/2-3-316SS	5/16-18RT3 1/2-3-NP	Consult Factory	Consult Factory	Consult Factory	Consult Factory
.170	1/32	5/16-18R4-.031	5/16-18RT4-.031-SS	5/16-18RT4-.031-316SS	5/16-18RT4-.031-NP	Consult Factory	Consult Factory	Consult Factory	Consult Factory
.170	.040 / 1mm	5/16-18R4-.040	5/16-18RT4-.040-SS	5/16-18RT4-.040-316SS	5/16-18RT4-.040-NP	Consult Factory	Consult Factory	Consult Factory	Consult Factory
.170	3/64	5/16-18R4-.045	5/16-18RT4-.045-SS	5/16-18RT4-.045-316SS	5/16-18RT4-.045-NP	Consult Factory	Consult Factory	Consult Factory	Consult Factory

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

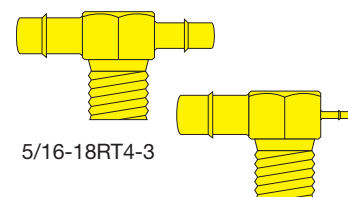
276

5/16-18 Male Pipe Thread to Tube Reducing Tees

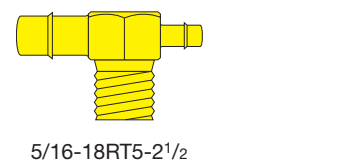
Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
.170	.050	5/16-18R4-.050	5/16-18RT4-.050-SS	5/16-18RT4-.050-316SS	5/16-18RT4-.050-NP				
.170	1/16	5/16-18R4-1	5/16-18RT4-1-SS	5/16-18RT4-1-316SS	5/16-18RT4-1-NP				
.170	5/64 / 2mm	5/16-18R4-2	5/16-18RT4-2-SS	5/16-18RT4-2-316SS	5/16-18RT4-2-NP				
.170	3/32	5/16-18R4-2 1/2	5/16-18RT4-2 1/2-SS	5/16-18RT4-2 1/2-316SS	5/16-18RT4-2 1/2-NP				
.170	1/8	5/16-18R4-3	5/16-18RT4-3-SS	5/16-18RT4-3-316SS	5/16-18RT4-3-NP				
.170	5/32 / 4mm	5/16-18R4-3 1/2	5/16-18RT4-3 1/2-SS	5/16-18RT4-3 1/2-316SS	5/16-18RT4-3 1/2-NP				
3/16	1/32	5/16-18R5-.031	5/16-18RT5-.031-SS	5/16-18RT5-.031-316SS	5/16-18RT5-.031-NP				
3/16	.040 / 1mm	5/16-18R5-.040	5/16-18RT5-.040-SS	5/16-18RT5-.040-316SS	5/16-18RT5-.040-NP				
3/16	3/64	5/16-18R5-.045	5/16-18RT5-.045-SS	5/16-18RT5-.045-316SS	5/16-18RT5-.045-NP				
3/16	.050	5/16-18R5-.050	5/16-18RT5-.050-SS	5/16-18RT5-.050-316SS	5/16-18RT5-.050-NP				
3/16	1/16	5/16-18R5-1	5/16-18RT5-1-SS	5/16-18RT5-1-316SS	5/16-18RT5-1-NP				
3/16	5/64 / 2mm	5/16-18R5-2	5/16-18RT5-2-SS	5/16-18RT5-2-316SS	5/16-18RT5-2-NP				
3/16	3/32	5/16-18R5-2 1/2	5/16-18RT5-2 1/2-SS	5/16-18RT5-2 1/2-316SS	5/16-18RT5-2 1/2-NP				
3/16	1/8	5/16-18R5-3	5/16-18RT5-3-SS	5/16-18RT5-3-316SS	5/16-18RT5-3-NP				
3/16	5/32 / 4mm	5/16-18R5-3 1/2	5/16-18RT5-3 1/2-SS	5/16-18RT5-3 1/2-316SS	5/16-18RT5-3 1/2-NP				
3/16	.170	5/16-18R5-4	5/16-18RT5-4-SS	5/16-18RT5-4-316SS	5/16-18RT5-4-NP				
7/32	1/16	5/16-18R5 1/2-1	5/16-18RT5 1/2-1-SS	5/16-18RT5 1/2-1-316SS	5/16-18RT5 1/2-1-NP				
7/32	5/64 / 2mm	5/16-18R5 1/2-2	5/16-18RT5 1/2-2-SS	5/16-18RT5 1/2-2-316SS	5/16-18RT5 1/2-2-NP				
7/32	3/32	5/16-18R5 1/2-2 1/2	5/16-18RT5 1/2-2 1/2-SS	5/16-18RT5 1/2-2 1/2-316SS	5/16-18RT5 1/2-2 1/2-NP				
7/32	1/8	5/16-18R5 1/2-3	5/16-18RT5 1/2-3-SS	5/16-18RT5 1/2-3-316SS	5/16-18RT5 1/2-3-NP				
7/32	5/32 / 4mm	5/16-18R5 1/2-3 1/2	5/16-18RT5 1/2-3 1/2-SS	5/16-18RT5 1/2-3 1/2-316SS	5/16-18RT5 1/2-3 1/2-NP				
7/32	.170	5/16-18R5 1/2-4	5/16-18RT5 1/2-4-SS	5/16-18RT5 1/2-4-316SS	5/16-18RT5 1/2-4-NP				
7/32	3/16	5/16-18R5 1/2-5	5/16-18RT5 1/2-5-SS	5/16-18RT5 1/2-5-316SS	5/16-18RT5 1/2-5-NP				
6mm	1/16	5/16-18R5 3/4-1	5/16-18RT5 3/4-1-SS	5/16-18RT5 3/4-1-316SS	5/16-18RT5 3/4-1-NP				
6mm	5/64 / 2mm	5/16-18R5 3/4-2	5/16-18RT5 3/4-2-SS	5/16-18RT5 3/4-2-316SS	5/16-18RT5 3/4-2-NP				
6mm	3/32	5/16-18R5 3/4-2 1/2	5/16-18RT5 3/4-2 1/2-SS	5/16-18RT5 3/4-2 1/2-316SS	5/16-18RT5 3/4-2 1/2-NP				
6mm	1/8	5/16-18R5 3/4-3	5/16-18RT5 3/4-3-SS	5/16-18RT5 3/4-3-316SS	5/16-18RT5 3/4-3-NP				
6mm	5/32 / 4mm	5/16-18R5 3/4-3 1/2	5/16-18RT5 3/4-3 1/2-SS	5/16-18RT5 3/4-3 1/2-316SS	5/16-18RT5 3/4-3 1/2-NP				
6mm	.170	5/16-18R5 3/4-4	5/16-18RT5 3/4-4-SS	5/16-18RT5 3/4-4-316SS	5/16-18RT5 3/4-4-NP				
6mm	3/16	5/16-18R5 3/4-5	5/16-18RT5 3/4-5-SS	5/16-18RT5 3/4-5-316SS	5/16-18RT5 3/4-5-NP				
6mm	7/32	5/16-18R5 3/4-5 1/2	5/16-18RT5 3/4-5 1/2-SS	5/16-18RT5 3/4-5 1/2-316SS	5/16-18RT5 3/4-5 1/2-NP				
1/4	1/16	5/16-18R6-1	5/16-18RT6-1-SS	5/16-18RT6-1-316SS	5/16-18RT6-1-NP				
1/4	5/64 / 2mm	5/16-18R6-2	5/16-18RT6-2-SS	5/16-18RT6-2-316SS	5/16-18RT6-2-NP				
1/4	3/32	5/16-18RT6-2 1/2	5/16-18RT6-2 1/2-SS	5/16-18RT6-2 1/2-316SS	5/16-18RT6-2 1/2-NP				
1/4	1/8	5/16-18RT6-3	5/16-18RT6-3-SS	5/16-18RT6-3-316SS	5/16-18RT6-3-NP				
1/4	5/32 / 4mm	5/16-18RT6-3 1/2	5/16-18RT6-3 1/2-SS	5/16-18RT6-3 1/2-316SS	5/16-18RT6-3 1/2-NP				
1/4	.170	5/16-18RT6-4	5/16-18RT6-4-SS	5/16-18RT6-4-316SS	5/16-18RT6-4-NP				
1/4	3/16	5/16-18RT6-5	5/16-18RT6-5-SS	5/16-18RT6-5-316SS	5/16-18RT6-5-NP				
1/4	7/32	5/16-18RT6-5 1/2	5/16-18RT6-5 1/2-SS	5/16-18RT6-5 1/2-316SS	5/16-18RT6-5 1/2-NP				
1/4	6mm	5/16-18RT6-5 3/4	5/16-18RT6-5 3/4-SS	5/16-18RT6-5 3/4-316SS	5/16-18RT6-5 3/4-NP				



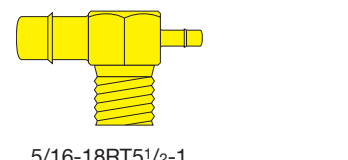
5/16-18RT4-2



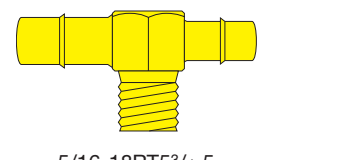
5/16-18RT5-.031



5/16-18RT5-3



5/16-18RT5 1/2-2

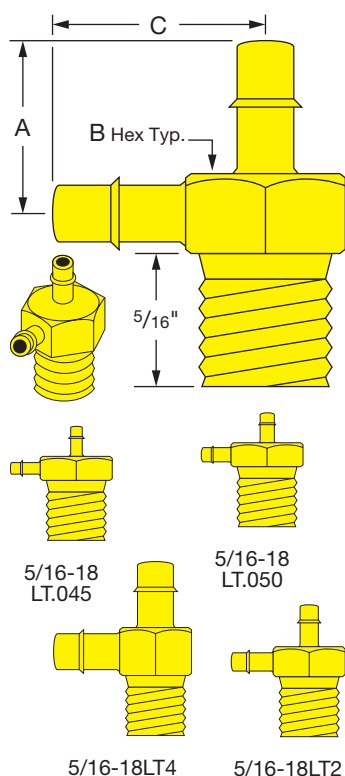


5/16-18RT6-2

O-Ring
options
also
available!

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

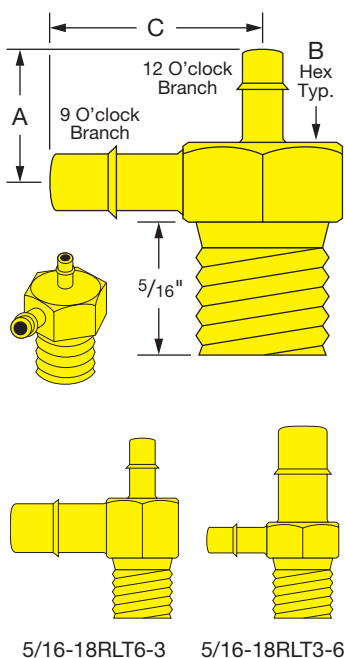
277



Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Typ
1/32	5/16-18LT.031	5/16-18LT.031-SS	5/16-18LT.031-316SS	5/16-18LT.031-NP	Consult Factory	Consult Factory	Consult Factory
.040 / 1mm	5/16-18LT.040	5/16-18LT.040-SS	5/16-18LT.040-316SS	5/16-18LT.040-NP			
3/64	5/16-18LT.045	5/16-18LT.045-SS	5/16-18LT.045-316SS	5/16-18LT.045-NP			
.050	5/16-18LT.050	5/16-18LT.050-SS	5/16-18LT.050-316SS	5/16-18LT.050-NP			
1/16	5/16-18LT1	5/16-18LT1-SS	5/16-18LT1-316SS	5/16-18LT1-NP			
5/64 / 2mm	5/16-18LT2	5/16-18LT2-SS	5/16-18LT2-316SS	5/16-18LT2-NP			
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			
1/8	5/16-18LT3	5/16-18LT3-SS	5/16-18LT3-316SS	5/16-18LT3-NP			
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			
.170	5/16-18LT4	5/16-18LT4-SS	5/16-18LT4-316SS	5/16-18LT4-NP			
3/16	5/16-18LT5	5/16-18LT5-SS	5/16-18LT5-316SS	5/16-18LT5-NP			
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			
6mm	5/16-18LT5 3/4	5/16-18LT5 3/4-SS	5/16-18LT5 3/4-316SS	5/16-18LT5 3/4-NP			
1/4	5/16-18LT6	5/16-18LT6-SS	5/16-18LT6-316SS	5/16-18LT6-NP			

5/16-18 Male Pipe 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		

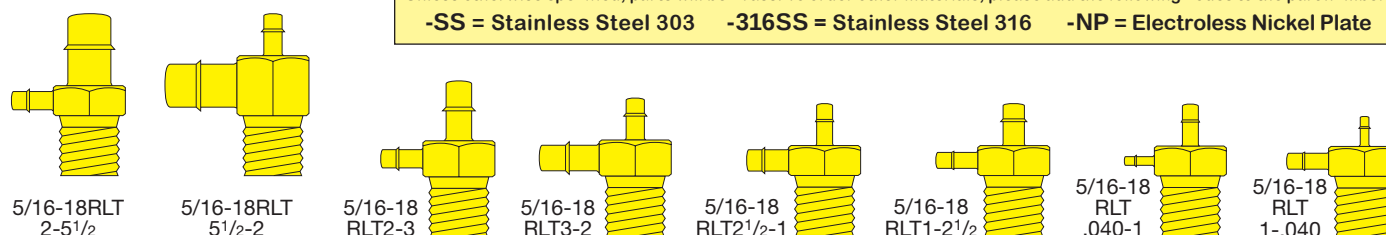
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/8	3	Consult Factory		
5/32 / 4mm	3 1/2	Consult Factory		
.170	4	Consult Factory		
3/16	5	Consult Factory		
7/32	5 1/2	Consult Factory		
6mm	5 3/4	Consult Factory		
1/4	6	Consult Factory		

O-Ring options available! Consult factory!

Part Numbers for 5/16-18 Male Pipe Thread to Tube Reducing L-Tees:

Thread Size → **5/16-18** **RLT** # - # ← 12 O'clock Branch #
Fitting Series ↑ 9 O'clock Branch #

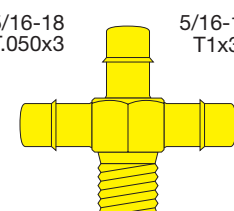
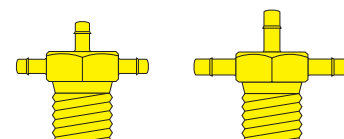
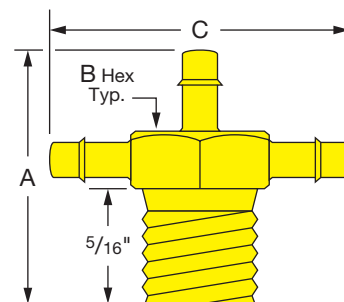
Unless otherwise specified, parts will be Brass. To order other materials, please add the following codes to the part number:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate



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5/16-18 Male Pipe 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	Consult Factory	Consult Factory
.040 / 1mm	5/16-18T.040x3	5/16-18T.040x3-SS	5/16-18T.040x3-316SS	5/16-18T.040x3-NP	Consult Factory	Consult Factory	Consult Factory
3/64	5/16-18T.045x3	5/16-18T.045x3-SS	5/16-18T.045x3-316SS	5/16-18T.045x3-NP	Consult Factory	Consult Factory	Consult Factory
.050	5/16-18T.050x3	5/16-18T.050x3-SS	5/16-18T.050x3-316SS	5/16-18T.050x3-NP	Consult Factory	Consult Factory	Consult Factory
1/16	5/16-18T1x3	5/16-18T1x3-SS	5/16-18T1x3-316SS	5/16-18T1x3-NP	Consult Factory	Consult Factory	Consult Factory
5/64 / 2mm	5/16-18T2x3	5/16-18T2x3-SS	5/16-18T2x3-316SS	5/16-18T2x3-NP	Consult Factory	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory	Consult Factory
1/8	5/16-18T3x3	5/16-18T3x3-SS	5/16-18T3x3-316SS	5/16-18T3x3-NP	Consult Factory	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory	Consult Factory
.170	5/16-18T4x3	5/16-18T4x3-SS	5/16-18T4x3-316SS	5/16-18T4x3-NP	Consult Factory	Consult Factory	Consult Factory
3/16	5/16-18T5x3	5/16-18T5x3-SS	5/16-18T5x3-316SS	5/16-18T5x3-NP	Consult Factory	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory	Consult Factory
6mm	5/16-18T5 3/4x3	5/16-18T5 3/4x3-SS	5/16-18T5 3/4x3-316SS	5/16-18T5 3/4x3-NP	Consult Factory	Consult Factory	Consult Factory
1/4	5/16-18T6x3	5/16-18T6x3-SS	5/16-18T6x3-316SS	5/16-18T6x3-NP	Consult Factory	Consult Factory	Consult Factory



5/16-18T5 1/2 x 3

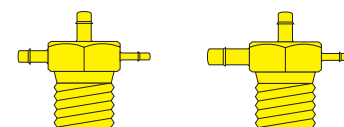
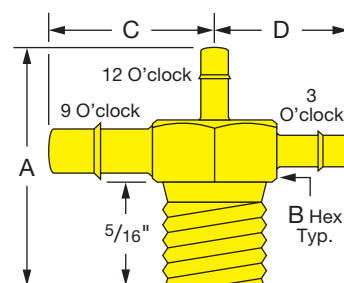
Note: Images are for visual representation only; not intended for dimensional measurements.

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

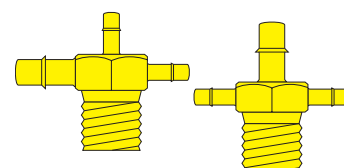
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/32	.031	Consult Factory		
.040 / 1mm	.040	Consult Factory		
3/64	.045	Consult Factory		
.050	.050	Consult Factory		
1/16	1	Consult Factory		
5/64 / 2mm	2	Consult Factory		
3/32	2 1/2	Consult Factory		

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		



5/16-18RT .050-.050-.031

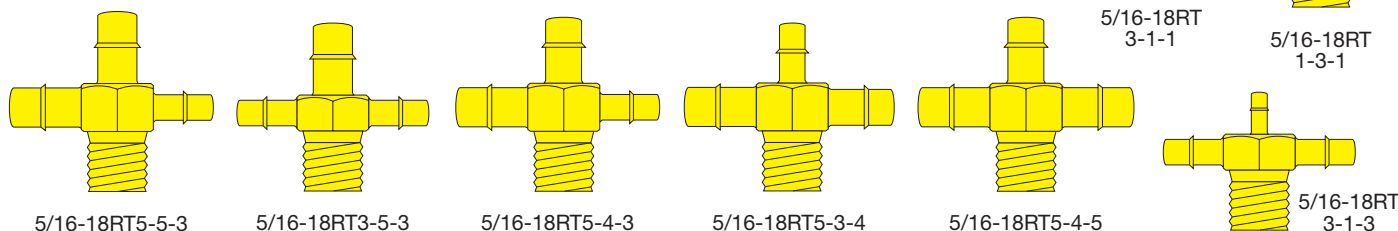
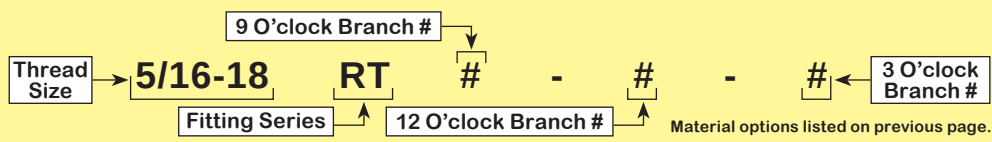
5/16-18RT 1-.050-.031



5/16-18RT 3-1-1

5/16-18RT 1-3-1

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



5/16-18RT5-5-3

5/16-18RT3-5-3

5/16-18RT5-4-3

5/16-18RT5-3-4

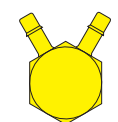
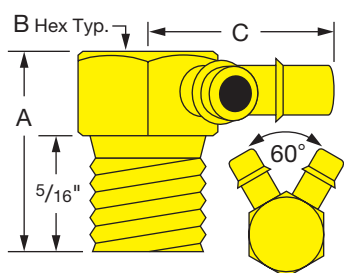
5/16-18RT5-4-5

5/16-18RT 3-1-3

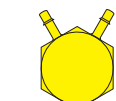


5/16-18 Male Pipe Thread to Tube V-Tees

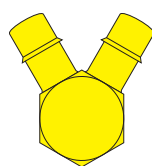
281



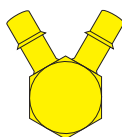
5/16-18VT1



5/16-18VT.040



5/16-18VT5



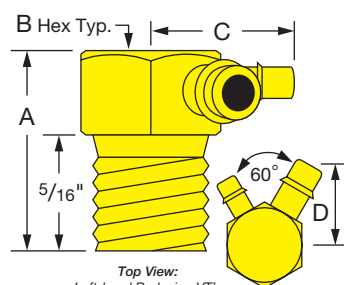
5/16-18VT3

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

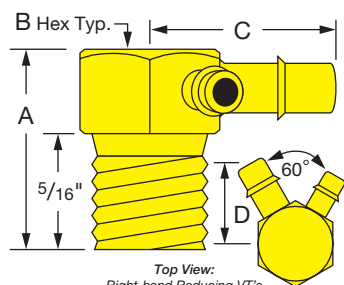
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	5/16-18VT.031	5/16-18VT.031-SS	5/16-18VT.031-316SS	5/16-18VT.031-NP	Consult Factory	Consult Factory	Consult Factory
.040 / 1mm	5/16-18VT.040	5/16-18VT.040-SS	5/16-18VT.040-316SS	5/16-18VT.040-NP	Consult Factory	Consult Factory	Consult Factory
3/64	5/16-18VT.045	5/16-18VT.045-SS	5/16-18VT.045-316SS	5/16-18VT.045-NP	Consult Factory	Consult Factory	Consult Factory
.050	5/16-18VT.050	5/16-18VT.050-SS	5/16-18VT.050-316SS	5/16-18VT.050-NP	Consult Factory	Consult Factory	Consult Factory
1/16	5/16-18VT1	5/16-18VT1-SS	5/16-18VT1-316SS	5/16-18VT1-NP	Consult Factory	Consult Factory	Consult Factory
5/64 / 2mm	5/16-18VT2	5/16-18VT2-SS	5/16-18VT2-316SS	5/16-18VT2-NP	Consult Factory	Consult Factory	Consult Factory
3/32	5/16-18VT2 1/2	5/16-18VT2 1/2-SS	5/16-18VT2 1/2-316SS	5/16-18VT2 1/2-NP	Consult Factory	Consult Factory	Consult Factory
1/8	5/16-18VT3	5/16-18VT3-SS	5/16-18VT3-316SS	5/16-18VT3-NP	Consult Factory	Consult Factory	Consult Factory
5/32 / 4mm	5/16-18VT3 1/2	5/16-18VT3 1/2-SS	5/16-18VT3 1/2-316SS	5/16-18VT3 1/2-NP	Consult Factory	Consult Factory	Consult Factory
.170	5/16-18VT4	5/16-18VT4-SS	5/16-18VT4-316SS	5/16-18VT4-NP	Consult Factory	Consult Factory	Consult Factory
3/16	5/16-18VT5	5/16-18VT5-SS	5/16-18VT5-316SS	5/16-18VT5-NP	Consult Factory	Consult Factory	Consult Factory
7/32	5/16-18VT5 1/2	5/16-18VT5 1/2-SS	5/16-18VT5 1/2-316SS	5/16-18VT5 1/2-NP	Consult Factory	Consult Factory	Consult Factory
6mm	5/16-18VT5 3/4	5/16-18VT5 3/4-SS	5/16-18VT5 3/4-316SS	5/16-18VT5 3/4-NP	Consult Factory	Consult Factory	Consult Factory
1/4	5/16-18VT6	5/16-18VT6-SS	5/16-18VT6-316SS	5/16-18VT6-NP	Consult Factory	Consult Factory	Consult Factory

5/16-18 Male Pipe Thread to Tube Custom Reducing V-Tees

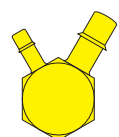
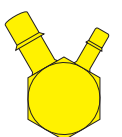
282



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.

5/16-18
RVT3-1-LH5/16-18
RVT3-1-RH

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 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!

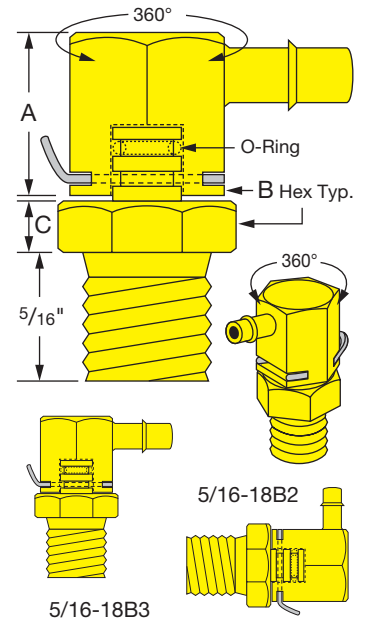
Unless otherwise specified, parts will be Brass. To order other materials, add the following codes to the part number:
 -SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

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

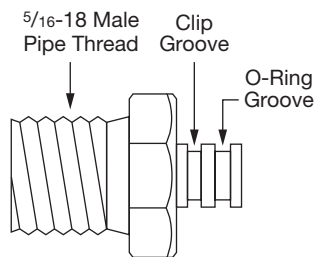
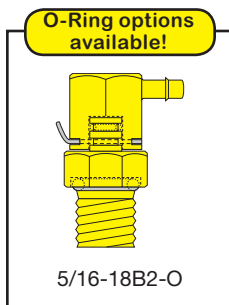
283

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

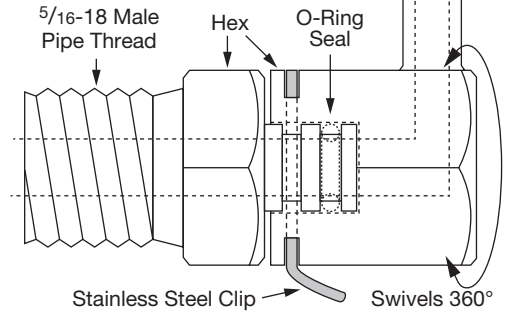
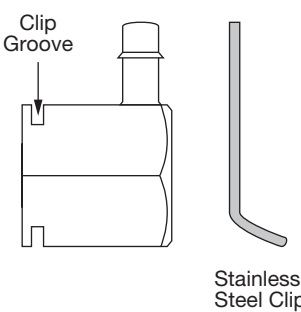
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	5/16-18SW-LB.031-GT	5/16-18SW-LB.031-SS-GT	5/16-18SW-LB.031-316SS-GT	5/16-18SW-LB.031-NP-GT	Consult Factory	Consult Factory	Consult Factory
.040 / 1mm	5/16-18SW-LB.040-GT	5/16-18SW-LB.040-SS-GT	5/16-18SW-LB.040-316SS-GT	5/16-18SW-LB.040-NP-GT	Consult Factory	Consult Factory	Consult Factory
3/64	5/16-18SW-LB.045-GT	5/16-18SW-LB.045-SS-GT	5/16-18SW-LB.045-316SS-GT	5/16-18SW-LB.045-NP-GT	Consult Factory	Consult Factory	Consult Factory
.050	5/16-18SW-LB.050-GT	5/16-18SW-LB.050-SS-GT	5/16-18SW-LB.050-316SS-GT	5/16-18SW-LB.050-NP-GT	Consult Factory	Consult Factory	Consult Factory
1/16	5/16-18SW-LB1-GT	5/16-18SW-LB1-SS-GT	5/16-18SW-LB1-316SS-GT	5/16-18SW-LB1-NP-GT	Consult Factory	Consult Factory	Consult Factory
5/64 / 2mm	5/16-18SW-LB2-GT	5/16-18SW-LB2-SS-GT	5/16-18SW-LB2-316SS-GT	5/16-18SW-LB2-NP-GT	Consult Factory	Consult Factory	Consult Factory
3/32	5/16-18SW-LB2 1/2-GT	5/16-18SW-LB2 1/2-SS-GT	5/16-18SW-LB2 1/2-316SS-GT	5/16-18SW-LB2 1/2-NP-GT	Consult Factory	Consult Factory	Consult Factory
1/8	5/16-18SW-LB3-GT	5/16-18SW-LB3-SS-GT	5/16-18SW-LB3-316SS-GT	5/16-18SW-LB3-NP-GT	Consult Factory	Consult Factory	Consult Factory
5/32 / 4mm	5/16-18SW-LB3 1/2-GT	5/16-18SW-LB3 1/2-SS-GT	5/16-18SW-LB3 1/2-316SS-GT	5/16-18SW-LB3 1/2-NP-GT	Consult Factory	Consult Factory	Consult Factory
.170	5/16-18SW-LB4-GT	5/16-18SW-LB4-SS-GT	5/16-18SW-LB4-316SS-GT	5/16-18SW-LB4-NP-GT	Consult Factory	Consult Factory	Consult Factory
3/16	5/16-18SW-LB5-GT	5/16-18SW-LB5-SS-GT	5/16-18SW-LB5-316SS-GT	5/16-18SW-LB5-NP-GT	Consult Factory	Consult Factory	Consult Factory
7/32	5/16-18SW-LB5 1/2-GT	5/16-18SW-LB5 1/2-SS-GT	5/16-18SW-LB5 1/2-316SS-GT	5/16-18SW-LB5 1/2-NP-GT	Consult Factory	Consult Factory	Consult Factory
6mm	5/16-18SW-LB5 3/4-GT	5/16-18SW-LB5 3/4-SS-GT	5/16-18SW-LB5 3/4-316SS-GT	5/16-18SW-LB5 3/4-NP-GT	Consult Factory	Consult Factory	Consult Factory
1/4	5/16-18SW-LB6-GT	5/16-18SW-LB6-SS-GT	5/16-18SW-LB6-316SS-GT	5/16-18SW-LB6-NP-GT	Consult Factory	Consult Factory	Consult Factory



O-Ring materials on page 65!



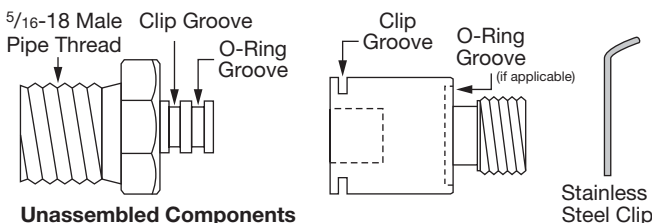
Unassembled Components



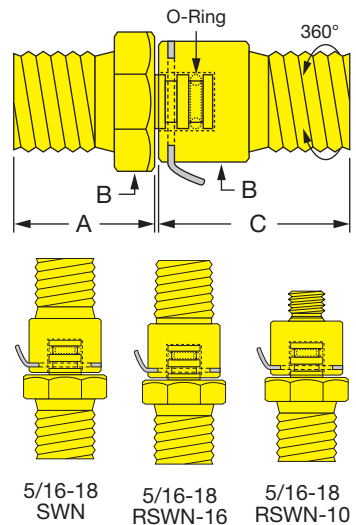
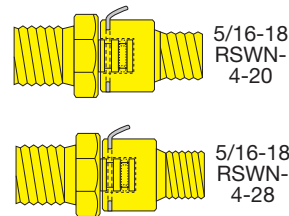
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5/16-18 Male Pipe Thread Swivel Nipples and Reducing Swivel Nipples

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 (Reducing)	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 - 10-32 (Reducing)	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
5/16 - 18 - 1/4-20 (Reducing)	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 - 1/4-28 (Reducing)	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



Unassembled Components

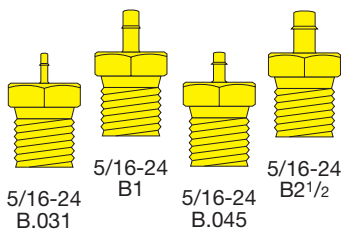
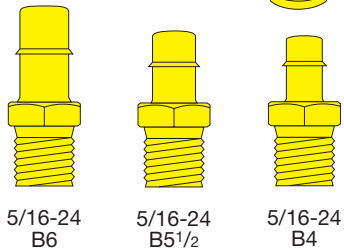
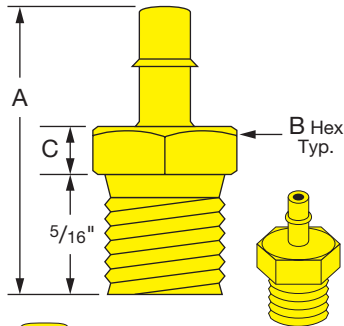


Note: Images are for visual representation only; not intended for dimensional measurements.



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

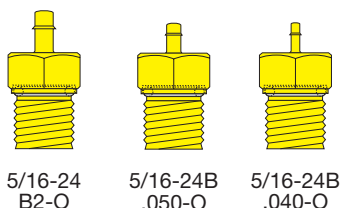
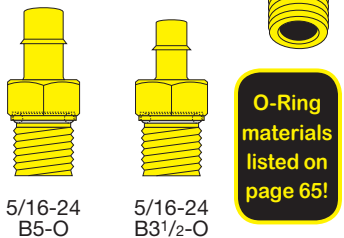
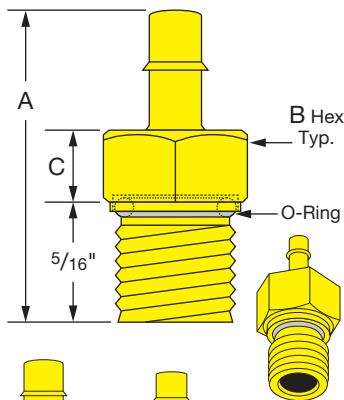
285



Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	5/16-24B.031	5/16-24B.031-SS	5/16-24B.031-316SS	N/A	5/16-24B.031-NP	Consult Factory	Consult Factory	Consult Factory
.040 / 1mm	5/16-24B.040	5/16-24B.040-SS	5/16-24B.040-316SS	N/A	5/16-24B.040-NP	Consult Factory	Consult Factory	Consult Factory
3/64	5/16-24B.045	5/16-24B.045-SS	5/16-24B.045-316SS	N/A	5/16-24B.045-NP	Consult Factory	Consult Factory	Consult Factory
.050	5/16-24B.050	5/16-24B.050-SS	5/16-24B.050-316SS	N/A	5/16-24B.050-NP	Consult Factory	Consult Factory	Consult Factory
1/16	5/16-24B1	5/16-24B1-SS	5/16-24B1-316SS	5/16-24B1-AL	5/16-24B1-NP	Consult Factory	Consult Factory	Consult Factory
5/64 / 2mm	5/16-24B2	5/16-24B2-SS	5/16-24B2-316SS	5/16-24B2-AL	5/16-24B2-NP	Consult Factory	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory	Consult Factory
1/8	5/16-24B3	5/16-24B3-SS	5/16-24B3-316SS	5/16-24B3-AL	5/16-24B3-NP	Consult Factory	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory	Consult Factory
.170	5/16-24B4	5/16-24B4-SS	5/16-24B4-316SS	5/16-24B4-AL	5/16-24B4-NP	Consult Factory	Consult Factory	Consult Factory
3/16	5/16-24B5	5/16-24B5-SS	5/16-24B5-316SS	5/16-24B5-AL	5/16-24B5-NP	Consult Factory	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory	Consult Factory
1/4	5/16-24B6	5/16-24B6-SS	5/16-24B6-316SS	5/16-24B6-AL	5/16-24B6-NP	Consult Factory	Consult Factory	Consult Factory
5/16 / 8mm	5/16-24B7	5/16-24B7-SS	5/16-24B7-316SS	5/16-24B7-AL	5/16-24B7-NP	Consult Factory	Consult Factory	Consult Factory
3/8	5/16-24B8	5/16-24B8-SS	5/16-24B8-316SS	5/16-24B8-AL	5/16-24B8-NP	Consult Factory	Consult Factory	Consult Factory

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

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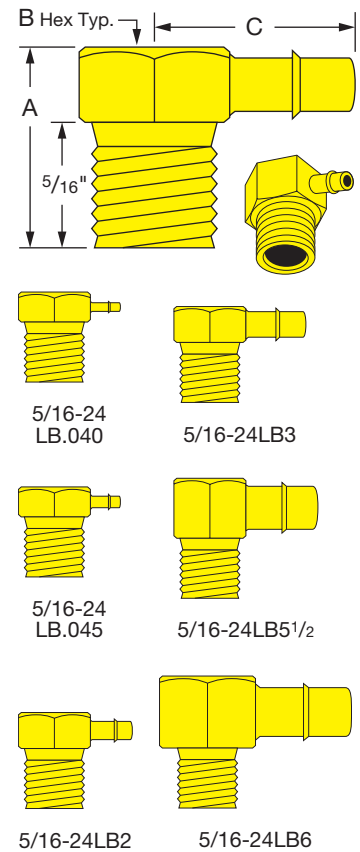
Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	5/16-24B.031-O	5/16-24B.031-O-SS	5/16-24B.031-O-316SS	N/A	5/16-24B.031-O-NP	Consult Factory	Consult Factory	Consult Factory
.040 / 1mm	5/16-24B.040-O	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 listed 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	Consult Factory	Consult Factory	Consult Factory
.040 / 1mm	5/16-24LB.040	5/16-24LB.040-SS	5/16-24LB.040-316SS	5/16-24LB.040-NP	Consult Factory	Consult Factory	Consult Factory
3/64	5/16-24LB.045	5/16-24LB.045-SS	5/16-24LB.045-316SS	5/16-24LB.045-NP	Consult Factory	Consult Factory	Consult Factory
.050	5/16-24LB.050	5/16-24LB.050-SS	5/16-24LB.050-316SS	5/16-24LB.050-NP	Consult Factory	Consult Factory	Consult Factory
1/16	5/16-24LB1	5/16-24LB1-SS	5/16-24LB1-316SS	5/16-24LB1-NP	Consult Factory	Consult Factory	Consult Factory
5/64 / 2mm	5/16-24LB2	5/16-24LB2-SS	5/16-24LB2-316SS	5/16-24LB2-NP	Consult Factory	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory	Consult Factory
1/8	5/16-24LB3	5/16-24LB3-SS	5/16-24LB3-316SS	5/16-24LB3-NP	Consult Factory	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory	Consult Factory
.170	5/16-24LB4	5/16-24LB4-SS	5/16-24LB4-316SS	5/16-24LB4-NP	Consult Factory	Consult Factory	Consult Factory
3/16	5/16-24LB5	5/16-24LB5-SS	5/16-24LB5-316SS	5/16-24LB5-NP	Consult Factory	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory
1/4	5/16-24LB6	5/16-24LB6-SS	5/16-24LB6-316SS	5/16-24LB6-NP	Consult Factory	Consult Factory	Consult Factory
5/16 / 8mm	5/16-24LB7	5/16-24LB7-SS	5/16-24LB7-316SS	5/16-24LB7-NP	Consult Factory	Consult Factory	Consult Factory
3/8	5/16-24LB8	5/16-24LB8-SS	5/16-24LB8-316SS	5/16-24LB8-NP	Consult Factory	Consult Factory	Consult Factory

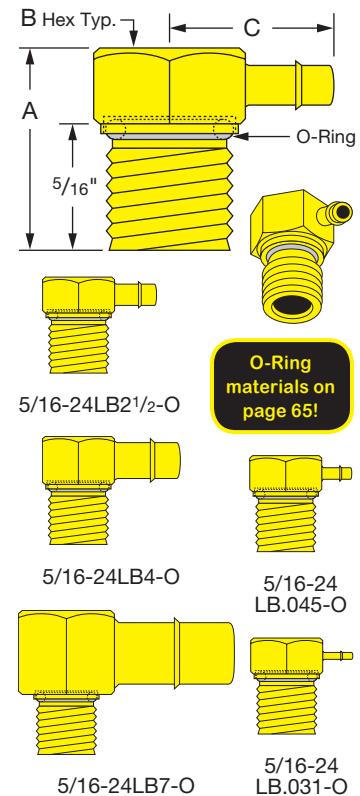


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5/16-24 Male Pipe Thread to Tube Elbows with O-Ring Seal Installed

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	Consult Factory	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	Consult Factory	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	Consult Factory	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	Consult Factory	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	Consult Factory	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	Consult Factory	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	Consult Factory	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	Consult Factory	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	Consult Factory	Consult Factory
.170	5/16-24LB4-O	5/16-24LB4-O-SS	5/16-24LB4-O-316SS	5/16-24LB4-O-NP	Consult Factory	Consult Factory	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	Consult Factory	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	Consult Factory	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	Consult Factory	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	Consult Factory	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	Consult Factory	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	Consult Factory	Consult Factory

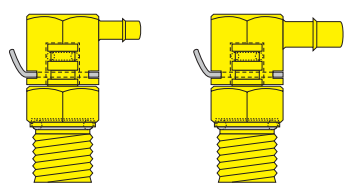
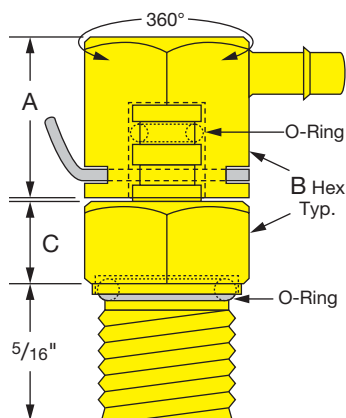


Note: Images are for visual representation only; not intended for dimensional measurements.



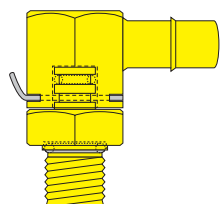
5/16-24 Male Pipe Thread to Tube Swivel Elbows with Clip Groove

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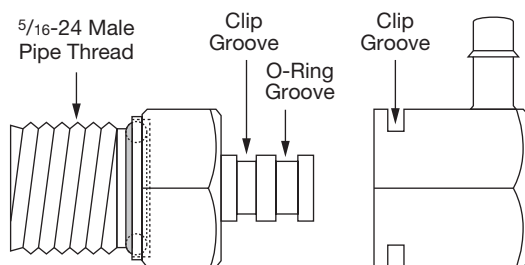
5/16-24SW-LB2-GT

5/16-24SW-LB3-GT

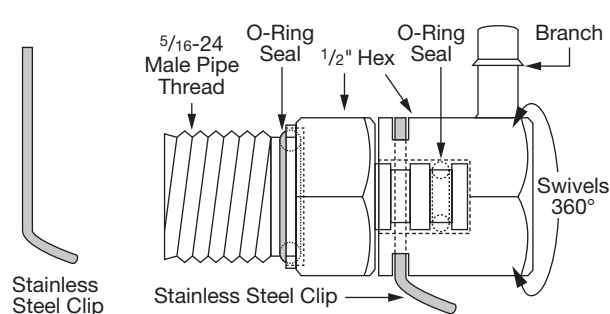


5/16-24SW-LB5 3/4-GT

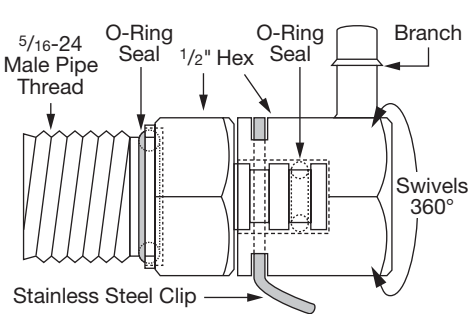
O-Ring materials listed on page 65!



Unassembled Components



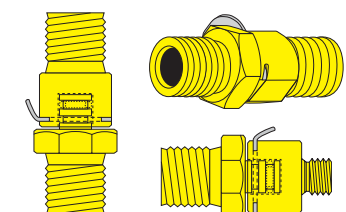
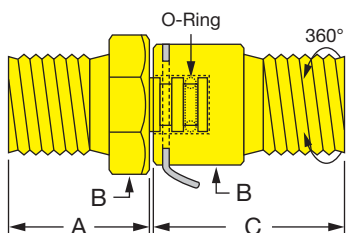
Stainless Steel Clip



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-SS-GT	5/16-24SW-LB.031-316SS-GT	5/16-24SW-LB.031-NP-GT	Factory	Factory	Factory
.040 / 1mm	5/16-24SW-LB.040-GT	5/16-24SW-LB.040-SS-GT	5/16-24SW-LB.040-316SS-GT	5/16-24SW-LB.040-NP-GT	Factory	Factory	Factory
3/64	5/16-24SW-LB.045-GT	5/16-24SW-LB.045-SS-GT	5/16-24SW-LB.045-316SS-GT	5/16-24SW-LB.045-NP-GT	Factory	Factory	Factory
.050	5/16-24SW-LB.050-GT	5/16-24SW-LB.050-SS-GT	5/16-24SW-LB.050-316SS-GT	5/16-24SW-LB.050-NP-GT	Factory	Factory	Factory
1/16	5/16-24SW-LB1-GT	5/16-24SW-LB1-SS-GT	5/16-24SW-LB1-316SS-GT	5/16-24SW-LB1-NP-GT	Factory	Factory	Factory
5/64 / 2mm	5/16-24SW-LB2-GT	5/16-24SW-LB2-SS-GT	5/16-24SW-LB2-316SS-GT	5/16-24SW-LB2-NP-GT	Factory	Factory	Factory
3/32	5/16-24SW-LB2 1/2-GT	5/16-24SW-LB2 1/2-SS-GT	5/16-24SW-LB2 1/2-316SS-GT	5/16-24SW-LB2 1/2-NP-GT	Factory	Factory	Factory
1/8	5/16-24SW-LB3-GT	5/16-24SW-LB3-SS-GT	5/16-24SW-LB3-316SS-GT	5/16-24SW-LB3-NP-GT	Factory	Factory	Factory
5/32 / 4mm	5/16-24SW-LB3 1/2-GT	5/16-24SW-LB3 1/2-SS-GT	5/16-24SW-LB3 1/2-316SS-GT	5/16-24SW-LB3 1/2-NP-GT	Factory	Factory	Factory
.170	5/16-24SW-LB4-GT	5/16-24SW-LB4-SS-GT	5/16-24SW-LB4-316SS-GT	5/16-24SW-LB4-NP-GT	Factory	Factory	Factory
3/16	5/16-24SW-LB5-GT	5/16-24SW-LB5-SS-GT	5/16-24SW-LB5-316SS-GT	5/16-24SW-LB5-NP-GT	Factory	Factory	Factory
7/32	5/16-24SW-LB5 1/2-GT	5/16-24SW-LB5 1/2-SS-GT	5/16-24SW-LB5 1/2-316SS-GT	5/16-24SW-LB5 1/2-NP-GT	Factory	Factory	Factory
6mm	5/16-24SW-LB5 3/4-GT	5/16-24SW-LB5 3/4-SS-GT	5/16-24SW-LB5 3/4-316SS-GT	5/16-24SW-LB5 3/4-NP-GT	Factory	Factory	Factory
1/4	5/16-24SW-LB6-GT	5/16-24SW-LB6-SS-GT	5/16-24SW-LB6-316SS-GT	5/16-24SW-LB6-NP-GT	Factory	Factory	Factory

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

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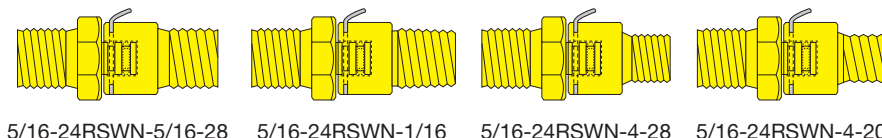


5/16-24SWN

5/16-24RSWN-10

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

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	5/16-24SWN-GT	5/16-24SWN-GT-SS	5/16-24SWN-GT-316SS	5/16-24SWN-GT-AL	5/16-24SWN-GT-NP	Factory	Factory	Factory
5/16 - 24 - 5/16 - 18	5/16-24SWN-5/16-18-GT	5/16-24SWN-5/16-18-GT-SS	5/16-24SWN-5/16-18-GT-316SS	5/16-24SWN-5/16-18-GT-AL	5/16-24SWN-5/16-18-GT-NP	Factory	Factory	Factory
5/16 - 24 - 1/16 (Reducing)	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	Factory	Factory	Factory
5/16 - 24 - 10-32 (Reducing)	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	Consult	Consult
5/16 - 24 - 1/4-20 (Reducing)	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	Consult	Consult
5/16 - 24 - 1/4-28 (Reducing)	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	Consult	Consult



5/16-24RSWN-5/16-28

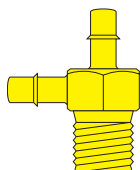
5/16-24RSWN-1/16

5/16-24RSWN-4-28

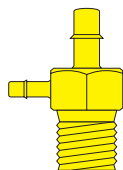
5/16-24RSWN-4-20

O-Ring materials listed on page 65!

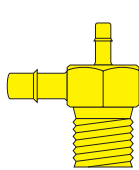
Custom 5/16-24 Male Thread to Tube Fittings Available!



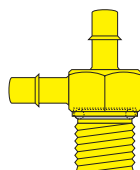
5/16-24L-Tee



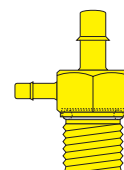
5/16-24
Reducing L-Tee



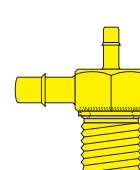
5/16-24
Reducing L-Tee



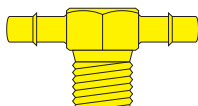
5/16-24 L-Tee
with O-Ring



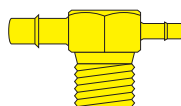
5/16-24 Reducing
L-Tee with O-Ring



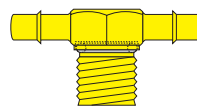
5/16-24 Reducing
L-Tee with O-Ring



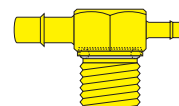
5/16-24 Tee



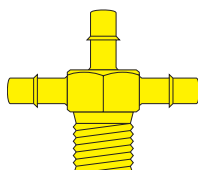
5/16-24
Reducing Tee



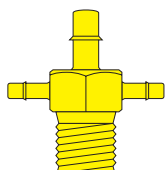
5/16-24 Tee
with O-Ring



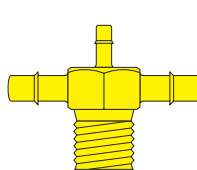
5/16-24 Reducing
Tee with O-Ring



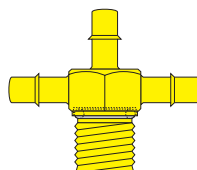
5/16-24 Tee x 3



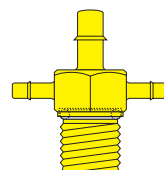
5/16-24
Reducing Tee x 3



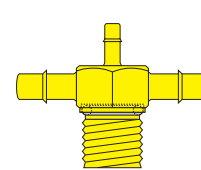
5/16-24
Reducing Tee x 3



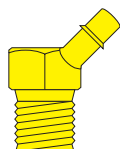
5/16-24 Tee x 3
with O-Ring



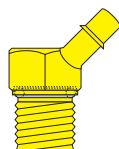
5/16-24 Reducing
Tee x 3 with O-Ring



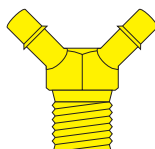
5/16-24 Reducing
Tee x 3 with O-Ring



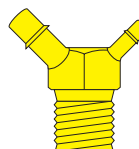
5/16-24 45°
Elbow



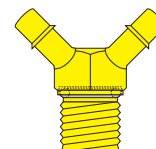
5/16-24 45° Elbow
with O-Ring



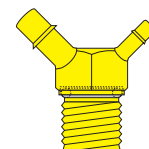
5/16-24 Y



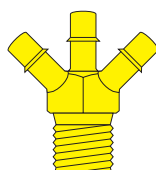
5/16-24
Reducing Y



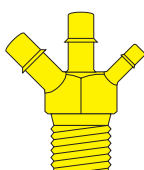
5/16-24 Y
with O-Ring



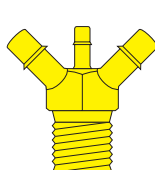
5/16-24 Reducing
Y with O-Ring



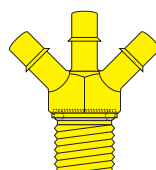
5/16-24 Y x 3



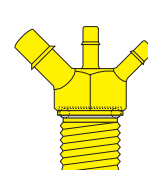
5/16-24
Reducing Y x 3



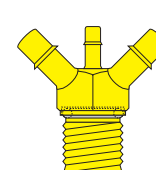
5/16-24
Reducing Y x 3



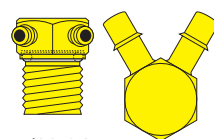
5/16-24 Y x 3
with O-Ring



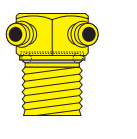
5/16-24 Reducing
Y x 3 with O-Ring



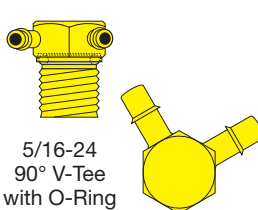
5/16-24 Reducing
Y x 3 with O-Ring



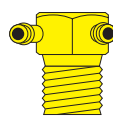
5/16-24
60° V-Tee



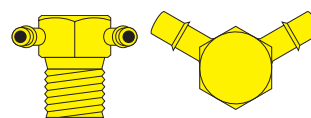
5/16-24 60°
V-Tee with O-Ring



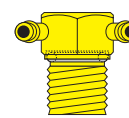
5/16-24
90° V-Tee
with O-Ring



5/16-24
90° V-Tee



5/16-24
120° V-Tee



5/16-24 120°
V-Tee with O-Ring

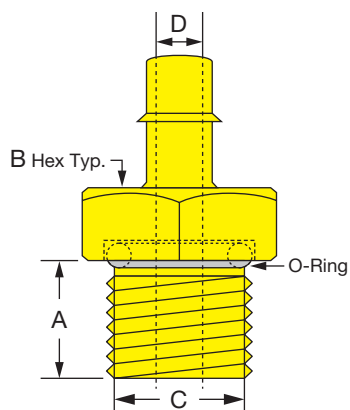
Consult factory for availability & details!

O-ring material options listed on page 65!



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

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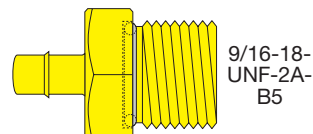
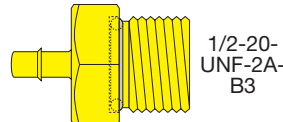
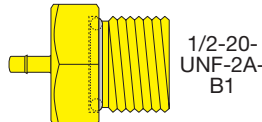
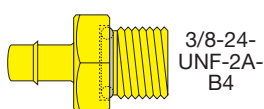
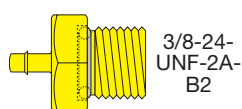
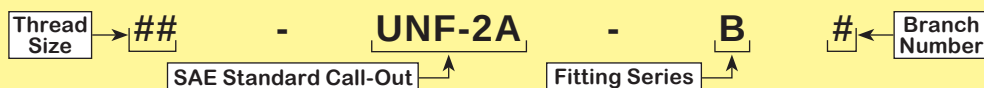


Part Numbers	Dimensions			
Unified Screw Thread (Thread Size)	A	B	C	D
3/8-24-UNF-2A	.287/.303	1/2	.310/.315	.125/.132
7/16-20-UNF-2A	.350/.366	9/16	.361/.366	.177/.184
1/2-20-UNF-2A	.350/.366	5/8	.424/.429	.236/.245
9/16-18-UNF-2A	.386/.402	11/16	.479/.484	.295/.304
3/4-16-UNF-2A	.429/.455	7/8	.657/.662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

SAE Standards!

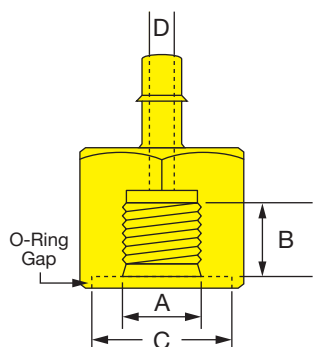
O-ring materials options listed on page 65!

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



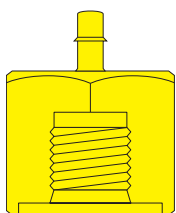
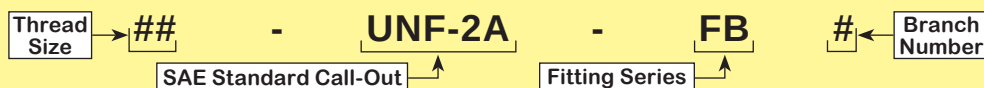
SAE Female Pipe Thread to Tube Fittings with O-Ring Supplied

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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:



3/8-24-UNF-2A-FB2

SAE UNF Thread to Tube Branch Size Options

Branches	
Tube ID	Branch Number
1/32	.031
.040 / 1mm	.040
3/64	.045
.050	.050

Branches	
Tube ID	Branch Number
1/16	1
5/64 / 2mm	2
3/32	2 1/2

Branches	
Tube ID	Branch Number
1/8	3
5/32 / 4mm	3 1/2
.170	4

Branches	
Tube ID	Branch Number
3/16	5
7/32	5 1/2
6mm	5 3/4
1/4	6

To order other materials, please add the following codes to the part numbers:

-SS = Stainless S03

-316SS = Stainless Steel 316

-AL = Aluminum

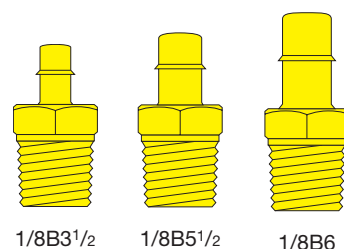
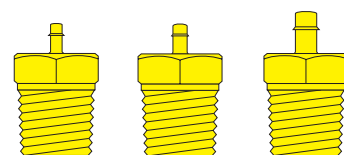
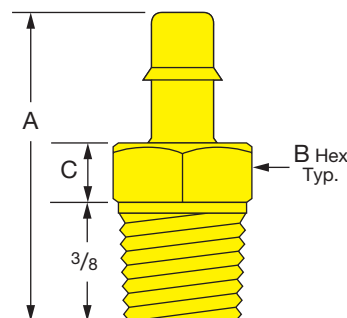
-NP = Electroless Nickel Plate

Unless otherwise specified, parts will be Brass.

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1/8 NPT Male Pipe 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
3/8	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
5/8 / 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

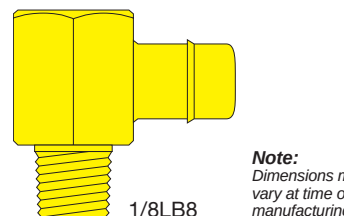
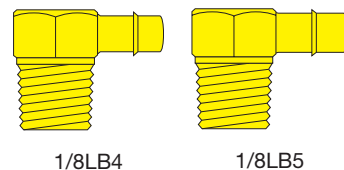
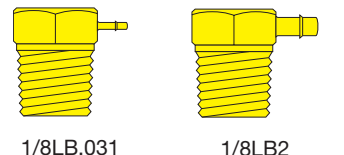
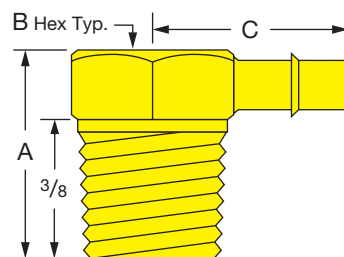


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1/8 NPT Male Pipe Thread to Tube Elbows

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
3/8	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
5/8 / 8mm	1/8LB7	1/8LB7-SS	1/8LB7-316SS	1/8LB7-NP	1 5/16	5/8	1
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

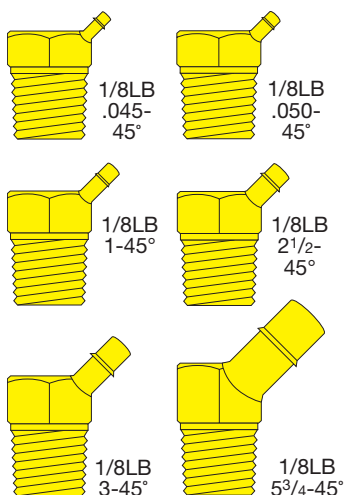
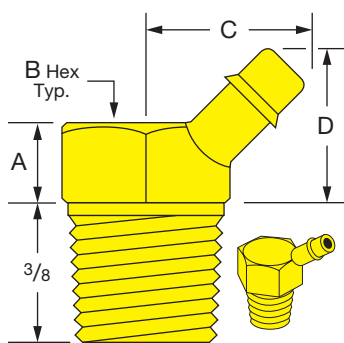


Note:
Dimensions may vary at time of manufacturing.



1/8 NPT Male Pipe Thread to Tube 45° Elbows

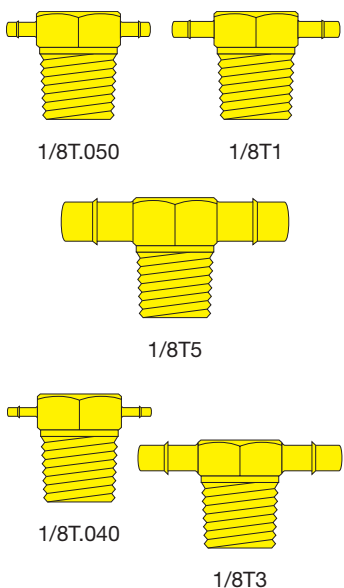
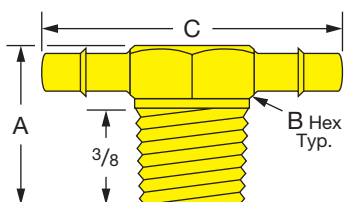
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Tube ID	Part Numbers				Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/32	1/8LB.031-45°	1/8LB.031-45°-SS	1/8LB.031-45°-316SS	1/8LB.031-45°-NP	1/4	7/16	Consult Factory	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
3/8	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
5/8 / 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 Pipe Thread to Tube Tees

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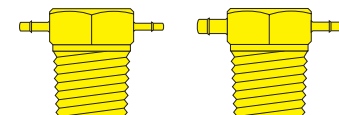
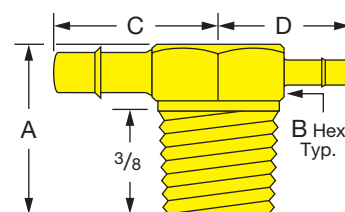


Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/8T.031	1/8T.031-SS	1/8T.031-316SS	1/8T.031-NP	9/16	7/16	3/4
.040 / 1mm	1/8T.040	1/8T.040-SS	1/8T.040-316SS	1/8T.040-NP	9/16	7/16	3/4
3/64	1/8T.045	1/8T.045-SS	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
3/8	1/8T5	1/8T5-SS	1/8T5-316SS	1/8T5-NP	5/8	7/16	1 3/16
7/32	1/8T5 1/2	1/8T5 1/2-SS	1/8T5 1/2-316SS	1/8T5 1/2-NP	5/8	7/16	1 3/16
6mm	1/8T5 3/4	1/8T5 3/4-SS	1/8T5 3/4-316SS	1/8T5 3/4-NP	1 1/16	7/16	1 7/16
1/4	1/8T6	1/8T6-SS	1/8T6-316SS	1/8T6-NP	1 1/16	7/16	1 7/16
5/8 / 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

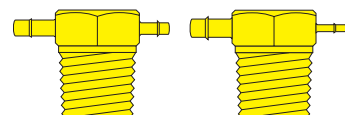
297

1/8 NPT Male Pipe Thread to Tube Reducing Tees

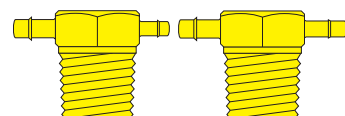
Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
.040 / 1mm	1/32	1/8RT.040-.031	1/8RT.040-.031-SS	1/8RT.040-.031-316SS	1/8RT.040-.031-NP	7/16	7/16	3/8	3/8
3/64	1/32	1/8RT.045-.031	1/8RT.045-.031-SS	1/8RT.045-.031-316SS	1/8RT.045-.031-NP	7/16	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	7/16	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	7/16	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	7/16	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	7/16	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	7/16	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	7/16	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	7/16	7/16	7/16	3/8
1/16	.050	1/8RT1-.050	1/8RT1-.050-SS	1/8RT1-.050-316SS	1/8RT1-.050-NP	7/16	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	7/16	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	7/16	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	7/16	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	7/16	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	7/16	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	7/16	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	7/16	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	7/16	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	7/16	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	7/16	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	7/16	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	7/16	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	7/16	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	7/16	7/16	17/32	3/8
1/8	.050	1/8RT3-.050	1/8RT3-.050-SS	1/8RT3-.050-316SS	1/8RT3-.050-NP	7/16	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	7/16	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	7/16	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	7/16	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	7/16	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	7/16	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	7/16	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	7/16	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	7/16	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	7/16	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	7/16	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	7/16	7/16	17/32	17/32



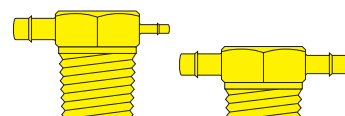
1/8RT.040-.031 1/8RT.050-.040



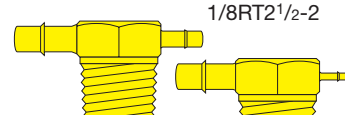
1/8RT1-.045 1/8RT2-.031



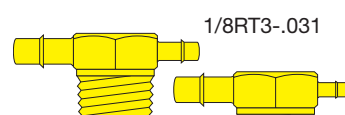
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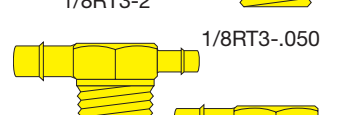
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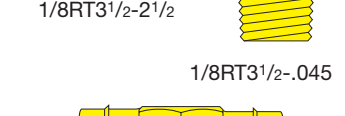
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1/8RT3-2 1/8RT3-.050



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



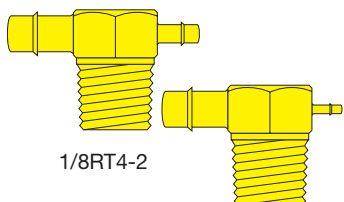
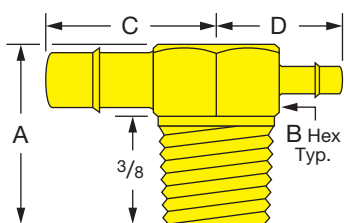
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Note: Images are for visual representation only;
not intended for dimensional measurements.
Continued on next page

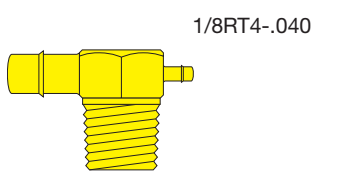


1/8 NPT Male Pipe Thread to Tube Reducing Tees

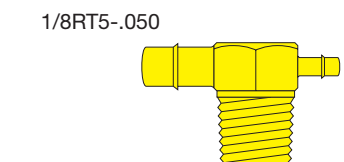
298



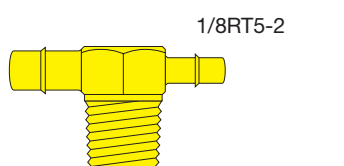
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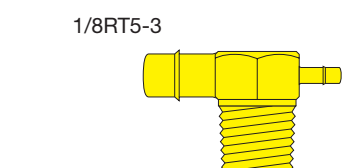
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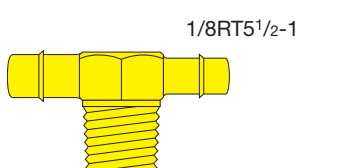
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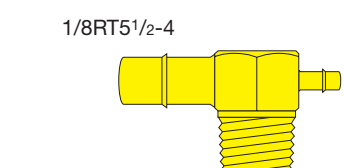
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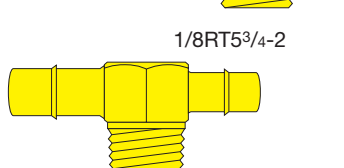
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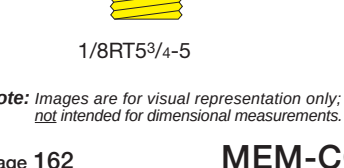
1/8RT5 1/2-1



1/8RT5 1/2-4



1/8RT5 3/4-2



1/8RT5 3/4-5

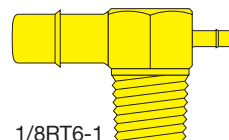
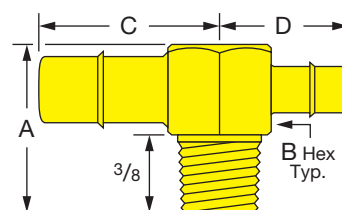
Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
.170	1/32	1/8RT4-.031	1/8RT4-.031-SS	1/8RT4-.031-316SS	1/8RT4-.031-NP	5/8	7/16	9/16	3/8
.170	.040 / 1mm	1/8RT4-.040	1/8RT4-.040-SS	1/8RT4-.040-316SS	1/8RT4-.040-NP	5/8	7/16	9/16	3/8
.170	3/64	1/8RT4-.045	1/8RT4-.045-SS	1/8RT4-.045-316SS	1/8RT4-.045-NP	5/8	7/16	9/16	3/8
.170	.050	1/8RT4-.050	1/8RT4-.050-SS	1/8RT4-.050-316SS	1/8RT4-.050-NP	5/8	7/16	9/16	3/8
.170	1/16	1/8RT4-1	1/8RT4-1-SS	1/8RT4-1-316SS	1/8RT4-1-NP	5/8	7/16	9/16	7/16
.170	5/64 / 2mm	1/8RT4-2	1/8RT4-2-SS	1/8RT4-2-316SS	1/8RT4-2-NP	5/8	7/16	9/16	7/16
.170	3/32	1/8RT4-2 1/2	1/8RT4-2 1/2-SS	1/8RT4-2 1/2-316SS	1/8RT4-2 1/2-NP	5/8	7/16	9/16	7/16
.170	1/8	1/8RT4-3	1/8RT4-3-SS	1/8RT4-3-316SS	1/8RT4-3-NP	5/8	7/16	9/16	17/32
.170	5/32 / 4mm	1/8RT4-3 1/2	1/8RT4-3 1/2-SS	1/8RT4-3 1/2-316SS	1/8RT4-3 1/2-NP	5/8	7/16	9/16	17/32
3/16	1/32	1/8RT5-.031	1/8RT5-.031-SS	1/8RT5-.031-316SS	1/8RT5-.031-NP	5/8	7/16	19/32	3/8
3/16	.040 / 1mm	1/8RT5-.040	1/8RT5-.040-SS	1/8RT5-.040-316SS	1/8RT5-.040-NP	5/8	7/16	19/32	3/8
3/16	3/64	1/8RT5-.045	1/8RT5-.045-SS	1/8RT5-.045-316SS	1/8RT5-.045-NP	5/8	7/16	19/32	3/8
3/16	.050	1/8RT5-.050	1/8RT5-.050-SS	1/8RT5-.050-316SS	1/8RT5-.050-NP	5/8	7/16	19/32	3/8
3/16	1/16	1/8RT5-1	1/8RT5-1-SS	1/8RT5-1-316SS	1/8RT5-1-NP	5/8	7/16	19/32	7/16
3/16	5/64 / 2mm	1/8RT5-2	1/8RT5-2-SS	1/8RT5-2-316SS	1/8RT5-2-NP	5/8	7/16	19/32	7/16
3/16	3/32	1/8RT5-2 1/2	1/8RT5-2 1/2-SS	1/8RT5-2 1/2-316SS	1/8RT5-2 1/2-NP	5/8	7/16	19/32	7/16
3/16	1/8	1/8RT5-3	1/8RT5-3-SS	1/8RT5-3-316SS	1/8RT5-3-NP	5/8	7/16	19/32	17/32
3/16	5/32 / 4mm	1/8RT5-3 1/2	1/8RT5-3 1/2-SS	1/8RT5-3 1/2-316SS	1/8RT5-3 1/2-NP	5/8	7/16	19/32	17/32
3/16	.170	1/8RT5-4	1/8RT5-4-SS	1/8RT5-4-316SS	1/8RT5-4-NP	5/8	7/16	19/32	9/16
7/32	1/16	1/8RT5 1/2-1	1/8RT5 1/2-1-SS	1/8RT5 1/2-1-316SS	1/8RT5 1/2-1-NP	5/8	7/16	19/32	7/16
7/32	5/64 / 2mm	1/8RT5 1/2-2	1/8RT5 1/2-2-SS	1/8RT5 1/2-2-316SS	1/8RT5 1/2-2-NP	5/8	7/16	19/32	7/16
7/32	3/32	1/8RT5 1/2-2 1/2	1/8RT5 1/2-2 1/2-SS	1/8RT5 1/2-2 1/2-316SS	1/8RT5 1/2-2 1/2-NP	5/8	7/16	19/32	7/16
7/32	1/8	1/8RT5 1/2-3	1/8RT5 1/2-3-SS	1/8RT5 1/2-3-316SS	1/8RT5 1/2-3-NP	5/8	7/16	19/32	17/32
7/32	5/32 / 4mm	1/8RT5 1/2-3 1/2	1/8RT5 1/2-3 1/2-SS	1/8RT5 1/2-3 1/2-316SS	1/8RT5 1/2-3 1/2-NP	5/8	7/16	19/32	17/32
7/32	.170	1/8RT5 1/2-4	1/8RT5 1/2-4-SS	1/8RT5 1/2-4-316SS	1/8RT5 1/2-4-NP	5/8	7/16	19/32	9/16
7/32	3/16	1/8RT5 1/2-5	1/8RT5 1/2-5-SS	1/8RT5 1/2-5-316SS	1/8RT5 1/2-5-NP	5/8	7/16	19/32	19/32
6mm	1/16	1/8RT5 3/4-1	1/8RT5 3/4-1-SS	1/8RT5 3/4-1-316SS	1/8RT5 3/4-1-NP	1 1/16	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	1 1/16	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	1 1/16	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	1 1/16	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	1 1/16	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	1 1/16	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	1 1/16	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	1 1/16	7/16	23/32	19/32

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

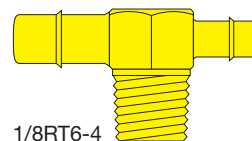
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1/8 NPT Male Pipe Thread to Tube Reducing Tees

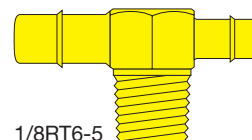
Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/4	1/16	1/8RT6-1	1/8RT6-1-SS	1/8RT6-1-316SS	1/8RT6-1-NP	1 1/16	7/16	23/32	7/16
1/4	5/64 / 2mm	1/8RT6-2	1/8RT6-2-SS	1/8RT6-2-316SS	1/8RT6-2-NP	1 1/16	7/16	23/32	7/16
1/4	3/32	1/8RT6-2 1/2	1/8RT6-2 1/2-SS	1/8RT6-2 1/2-316SS	1/8RT6-2 1/2-NP	1 1/16	7/16	23/32	7/16
1/4	1/8	1/8RT6-3	1/8RT6-3-SS	1/8RT6-3-316SS	1/8RT6-3-NP	1 1/16	7/16	23/32	17/32
1/4	5/32 / 4mm	1/8RT6-3 1/2	1/8RT6-3 1/2-SS	1/8RT6-3 1/2-316SS	1/8RT6-3 1/2-NP	1 1/16	7/16	23/32	17/32
1/4	.170	1/8RT6-4	1/8RT6-4-SS	1/8RT6-4-316SS	1/8RT6-4-NP	1 1/16	7/16	23/32	9/16
1/4	3/16	1/8RT6-5	1/8RT6-5-SS	1/8RT6-5-316SS	1/8RT6-5-NP	1 1/16	7/16	23/32	19/32
1/4	7/32	1/8RT6-5 1/2	1/8RT6-5 1/2-SS	1/8RT6-5 1/2-316SS	1/8RT6-5 1/2-NP	1 1/16	7/16	23/32	19/32
1/4	6mm	1/8RT6-5 3/4	1/8RT6-5 3/4-SS	1/8RT6-5 3/4-316SS	1/8RT6-5 3/4-NP	1 1/16	7/16	23/32	23/32
5/16 / 8mm	1/16	1/8RT7-1	1/8RT7-1-SS	1/8RT7-1-316SS	1/8RT7-1-NP	1 5/64	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	1 5/64	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	1 5/64	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	1 5/64	5/8	15/16	1 1/16
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	1 5/64	5/8	15/16	1 1/16
5/16 / 8mm	.170	1/8RT7-4	1/8RT7-4-SS	1/8RT7-4-316SS	1/8RT7-4-NP	1 5/64	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	1 5/64	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	1 5/64	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	1 5/64	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	1 5/64	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	1 5/64	5/8	27/32	19/32
3/8	5/64 / 2mm	1/8RT8-2	1/8RT8-2-SS	1/8RT8-2-316SS	1/8RT8-2-NP	1 5/64	5/8	27/32	19/32
3/8	3/32	1/8RT8-2 1/2	1/8RT8-2 1/2-SS	1/8RT8-2 1/2-316SS	1/8RT8-2 1/2-NP	1 5/64	5/8	27/32	19/32
3/8	1/8	1/8RT8-3	1/8RT8-3-SS	1/8RT8-3-316SS	1/8RT8-3-NP	1 5/64	5/8	27/32	1 1/16
3/8	5/32 / 4mm	1/8RT8-3 1/2	1/8RT8-3 1/2-SS	1/8RT8-3 1/2-316SS	1/8RT8-3 1/2-NP	1 5/64	5/8	27/32	1 1/16
3/8	.170	1/8RT8-4	1/8RT8-4-SS	1/8RT8-4-316SS	1/8RT8-4-NP	1 5/64	5/8	27/32	23/32
3/8	3/16	1/8RT8-5	1/8RT8-5-SS	1/8RT8-5-316SS	1/8RT8-5-NP	1 5/64	5/8	27/32	3/4
3/8	7/32	1/8RT8-5 1/2	1/8RT8-5 1/2-SS	1/8RT8-5 1/2-316SS	1/8RT8-5 1/2-NP	1 5/64	5/8	27/32	3/4
3/8	6mm	1/8RT8-5 3/4	1/8RT8-5 3/4-SS	1/8RT8-5 3/4-316SS	1/8RT8-5 3/4-NP	1 5/64	5/8	27/32	7/8
3/8	1/4	1/8RT8-6	1/8RT8-6-SS	1/8RT8-6-316SS	1/8RT8-6-NP	1 5/64	5/8	27/32	7/8
3/8	5/16 / 8mm	1/8RT8-7	1/8RT8-7-SS	1/8RT8-7-316SS	1/8RT8-7-NP	1 5/64	5/8	27/32	1
1/2	1/16	1/8RT10-1	1/8RT10-1-SS	1/8RT10-1-316SS	1/8RT10-1-NP	1 5/64	3/4	1 1/8	19/32
1/2	5/64 / 2mm	1/8RT10-2	1/8RT10-2-SS	1/8RT10-2-316SS	1/8RT10-2-NP	1 5/64	3/4	1 1/8	19/32
1/2	3/32	1/8RT10-2 1/2	1/8RT10-2 1/2-SS	1/8RT10-2 1/2-316SS	1/8RT10-2 1/2-NP	1 5/64	3/4	1 1/8	19/32
1/2	1/8	1/8RT10-3	1/8RT10-3-SS	1/8RT10-3-316SS	1/8RT10-3-NP	1 5/64	3/4	1 1/8	1 1/16
1/2	5/32 / 4mm	1/8RT10-3 1/2	1/8RT10-3 1/2-SS	1/8RT10-3 1/2-316SS	1/8RT10-3 1/2-NP	1 5/64	3/4	1 1/8	1 1/16



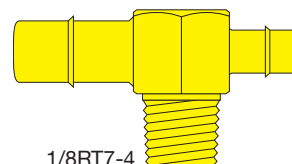
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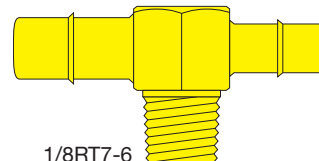
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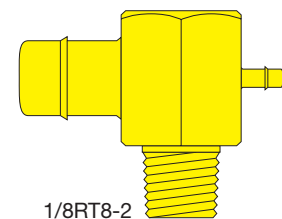
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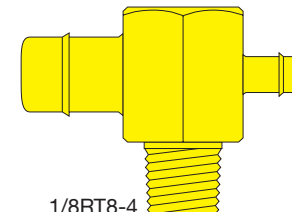
1/8RT7-4



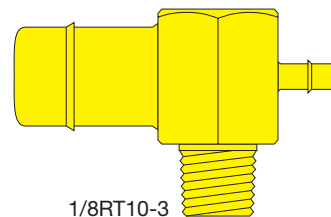
1/8RT7-6



1/8RT8-2



1/8RT8-4



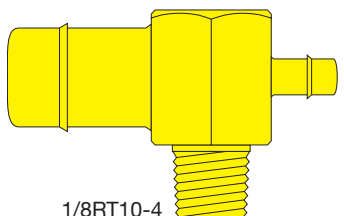
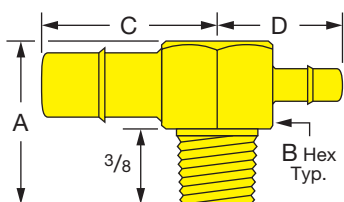
1/8RT10-3

Continued on next page



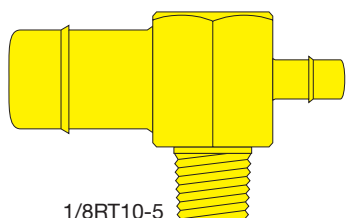
1/8 NPT Male Pipe Thread to Tube Reducing Tees

300

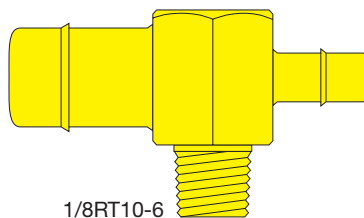


1/8RT10-4

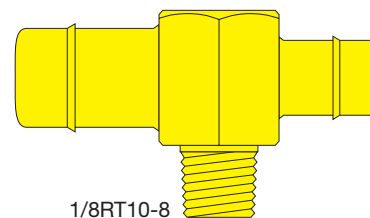
Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/2	.170	1/8RT10-4	1/8RT10-4-SS	1/8RT10-4-316SS	1/8RT10-4-NP	1 5/64	3/4	1 1/8	23/32
1/2	3/16	1/8RT10-5	1/8RT10-5-SS	1/8RT10-5-316SS	1/8RT10-5-NP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

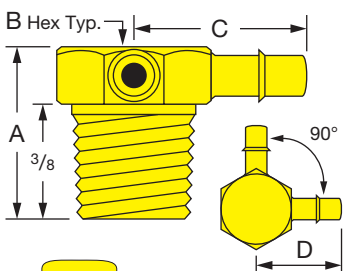


1/8RT10-8

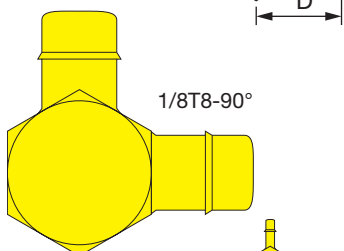
Note:
Images are for visual
representation only;
not intended for dimensional
measurements.
Dimensions may vary at
time of manufacturing.

1/8 NPT Male Pipe Thread to Tube 90° Tees

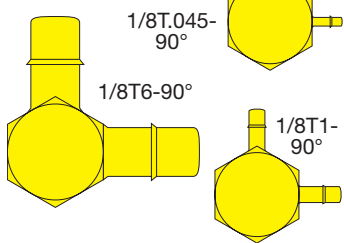
301



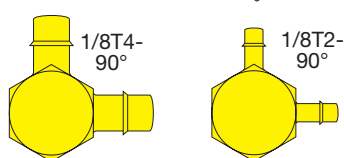
1/8T8-90°



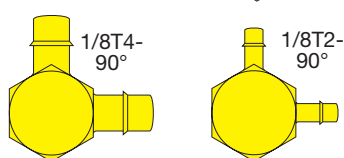
1/8T0.045-90°



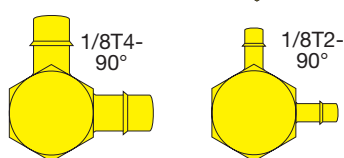
1/8T6-90°



1/8T1-90°



1/8T4-90°



1/8T2-90°

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	Consult Factory	3/8
.040 / 1mm	1/8T.040-90°	1/8T.040-90°-SS	1/8T.040-90°-316SS	1/8T.040-90°-NP	9/16	7/16	Consult Factory	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	Consult Factory	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	Consult Factory	3/8
1/16	1/8T1-90°	1/8T1-90°-SS	1/8T1-90°-316SS	1/8T1-90°-NP	9/16	7/16	Consult Factory	7/16
5/64 / 2mm	1/8T2-90°	1/8T2-90°-SS	1/8T2-90°-316SS	1/8T2-90°-NP	9/16	7/16	Consult Factory	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	Consult Factory	7/16
1/8	1/8T3-90°	1/8T3-90°-SS	1/8T3-90°-316SS	1/8T3-90°-NP	9/16	7/16	Consult Factory	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	Consult Factory	17/32
.170	1/8T4-90°	1/8T4-90°-SS	1/8T4-90°-316SS	1/8T4-90°-NP	5/8	7/16	Consult Factory	9/16
3/8	1/8T5-90°	1/8T5-90°-SS	1/8T5-90°-316SS	1/8T5-90°-NP	5/8	7/16	Consult Factory	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	Consult Factory	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	Consult Factory	23/32
1/4	1/8T6-90°	1/8T6-90°-SS	1/8T6-90°-316SS	1/8T6-90°-NP	1 1/16	7/16	Consult Factory	23/32
5/8 / 8mm	1/8T7-90°	1/8T7-90°-SS	1/8T7-90°-316SS	1/8T7-90°-NP	1 5/64	5/8	Consult Factory	1
3/8	1/8T8-90°	1/8T8-90°-SS	1/8T8-90°-316SS	1/8T8-90°-NP	1 5/64	5/8	Consult Factory	27/32
1/2	1/8T10-90°	1/8T10-90°-SS	1/8T10-90°-316SS	1/8T10-90°-NP	1 5/64	3/4	Consult Factory	1 1/8

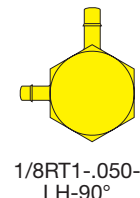
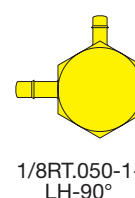
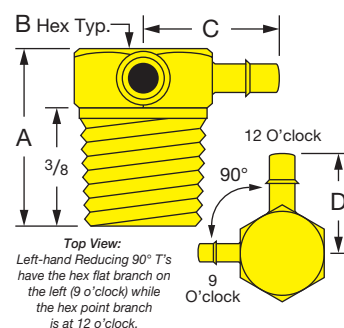
302

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

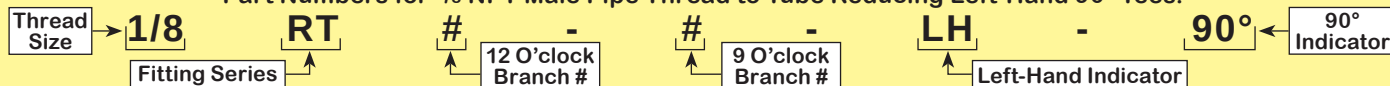
Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	5/16	7/16	3/8	Consult Factory
.040 / 1mm	.040	5/16	7/16	3/8	
3/64	.045	5/16	7/16	3/8	
.050	.050	5/16	7/16	3/8	
1/16	1	5/16	7/16	7/16	
5/64 / 2mm	2	5/16	7/16	7/16	
3/32	2 1/2	5/16	7/16	7/16	
1/8	3	5/16	7/16	17/32	
5/32 / 4mm	3 1/2	5/16	7/16	17/32	

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

Material options listed below!



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



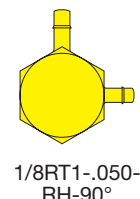
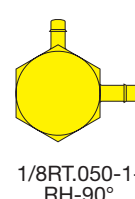
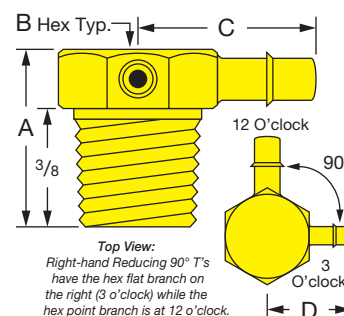
303

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

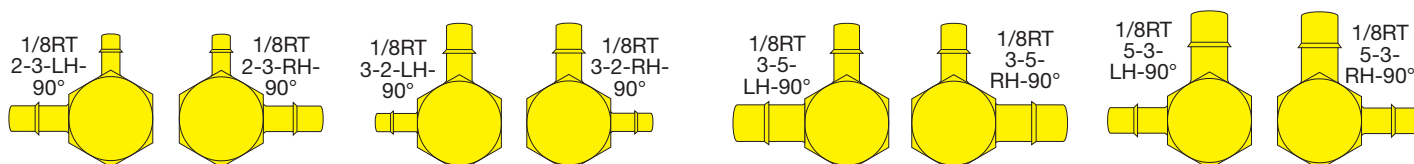
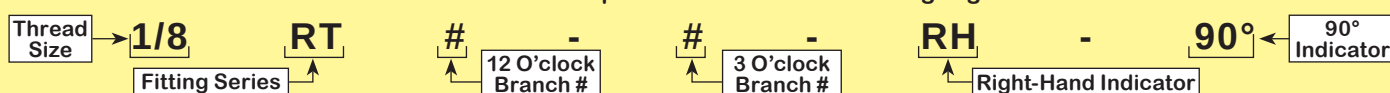
Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	5/16	7/16	3/8	Consult Factory
.040 / 1mm	.040	5/16	7/16	3/8	
3/64	.045	5/16	7/16	3/8	
.050	.050	5/16	7/16	3/8	
1/16	1	5/16	7/16	7/16	
5/64 / 2mm	2	5/16	7/16	7/16	
3/32	2 1/2	5/16	7/16	7/16	
1/8	3	5/16	7/16	17/32	
5/32 / 4mm	3 1/2	5/16	7/16	17/32	

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

Material options listed below!



Part Numbers for 1/8 NPT Male Pipe 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

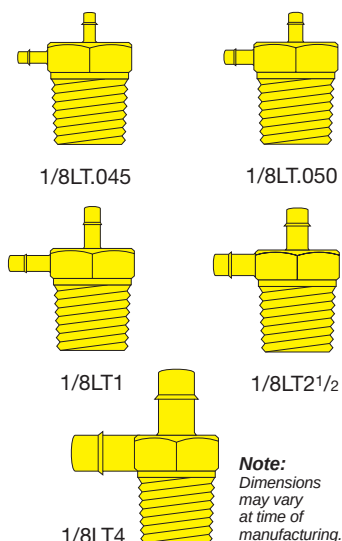
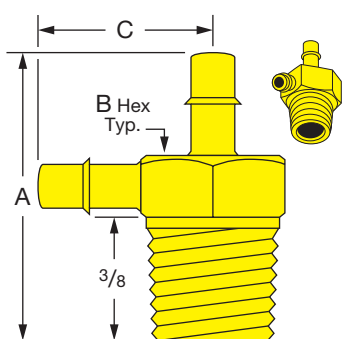
-316SS = Stainless Steel 316

-NP = Electroless Nickel Plate



1/8 NPT Male Pipe Thread to Tube L-Tees

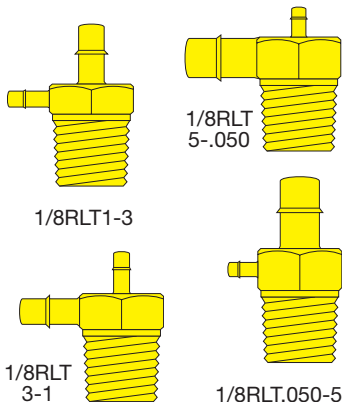
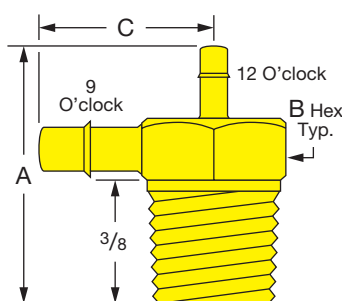
304



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	27/32	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	27/32	7/16	17/32
.170	1/8LT4	1/8LT4-SS	1/8LT4-316SS	1/8LT4-NP	27/32	7/16	9/16
3/8	1/8LT5	1/8LT5-SS	1/8LT5-316SS	1/8LT5-NP	3 1/32	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	3 1/32	7/16	19/32
6mm	1/8LT5 3/4	1/8LT5 3/4-SS	1/8LT5 3/4-316SS	1/8LT5 3/4-NP	Consult Factory	7/16	23/32
1/4	1/8LT6	1/8LT6-SS	1/8LT6-316SS	1/8LT6-NP	Consult Factory	7/16	23/32
5/8 / 8mm	1/8LT7	1/8LT7-SS	1/8LT7-316SS	1/8LT7-NP	Consult Factory	5/8	1
3/8	1/8LT8	1/8LT8-SS	1/8LT8-316SS	1/8LT8-NP	Consult Factory	5/8	27/32
1/2	1/8LT10	1/8LT10-SS	1/8LT10-316SS	1/8LT10-NP	Consult Factory	3/4	1 1/8

1/8 NPT Male Pipe 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	Consult Factory	7/16	3/8
3/64	.045	Consult Factory	7/16	3/8
.050	.050	Consult Factory	7/16	3/8
1/16	1	Consult Factory	7/16	7/16
5/64 / 2mm	2	Consult Factory	7/16	7/16
3/32	2 1/2	Consult Factory	7/16	7/16
1/8	3	Consult Factory	7/16	17/32
5/32 / 4mm	3 1/2	Consult Factory	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	Consult Factory	7/16	19/32
7/32	5 1/2	Consult Factory	7/16	19/32
6mm	5 3/4	Consult Factory	7/16	23/32
1/4	6	Consult Factory	7/16	23/32
5/8 / 8mm	7	Consult Factory	5/8	1
3/8	8	Consult Factory	5/8	27/32
1/2	10	Consult Factory	3/4	1 1/8

Material options listed below!

Part Numbers for 1/8 Male Pipe Thread to Tube Reducing L-Tees:

Thread Size	1/8	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

1/8 NPT Male Pipe Thread to Tube Tees x 3

Technical drawing of a cross tee fitting. The main drawing shows a cross-section with dimensions: A (height), B Hex Typ. (hexagonal base), C (width), and 3/8 (thread pitch). Below the main drawing are four smaller views of the fitting with different thread specifications: 1/8T.045x3, 1/8T2x3, 1/8T6x3, and 1/8T 5 1/2x3.

1/8 NPT Male Pipe Thread to Tube Custom Reducing Tees x 3

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
5/8 / 8mm	7		5/8	1	1
3/8	8		5/8	27/32	27/32
1/2	10		3/4	1 1/8	1 1/8

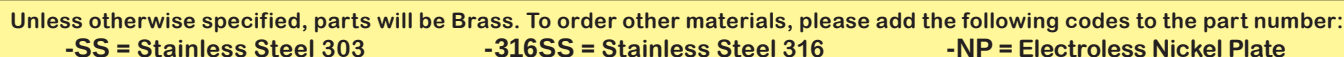
Technical drawing of a 1/8 inch hex plug. The main view shows a hexagonal body with a threaded section of length C and a hexagonal section of length D . The hexagonal section has a width of $3/8$ inches. The threaded section has a pitch of 12 threads per inch. The hexagonal section has a width of 9 O'clock and a width of 3 O'clock. The hexagonal section is labeled B Hex Typ. The overall height is labeled A .

Three additional views are shown below the main view:

- 1/8RT3-2-1
- 1/8RT2-3-1
- 1/8RT3-1-2

Note:
Dimensions may vary at time of manufacturing.

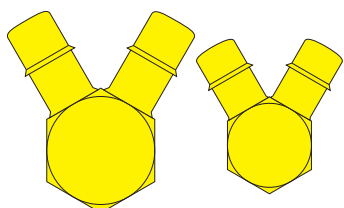
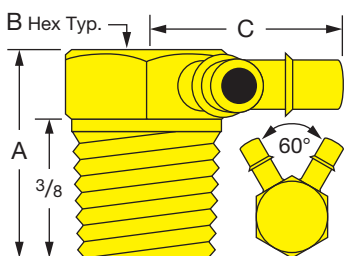
Part Numbers for 1/8 NPT Male Pipe Thread to Tube Reducing Tees x 3:





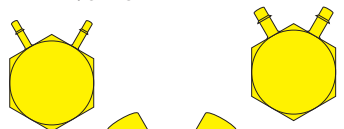
1/8 NPT Male Pipe Thread to Tube V-Tees

308



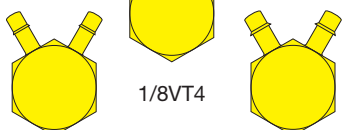
1/8VT6

1/8VT5 1/2



1/8VT.031

1/8VT.045



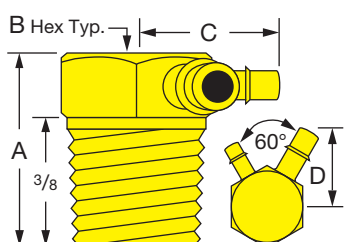
1/8VT1

1/8VT2

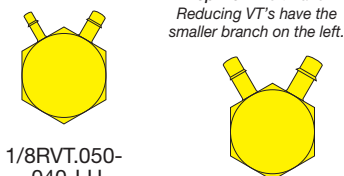
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/8VT.031	1/8VT.031-SS	1/8VT.031-316SS	1/8VT.031-NP	9/16	7/16	3/8
.040 / 1mm	1/8VT.040	1/8VT.040-SS	1/8VT.040-316SS	1/8VT.040-NP	9/16	7/16	3/8
3/64	1/8VT.045	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
3/8	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
5/8 / 8mm	1/8VT7	1/8VT7-SS	1/8VT7-316SS	1/8VT7-NP	1 5/16	3/4	1
3/8	1/8VT8	1/8VT8-SS	1/8VT8-316SS	1/8VT8-NP	1 5/16	3/4	27/32
1/2	1/8VT10	1/8VT10-SS	1/8VT10-316SS	1/8VT10-NP	1 5/16	3/4	1 1/8

1/8 NPT Male Pipe Thread to Tube Custom Left-Hand Reducing V-Tees

309

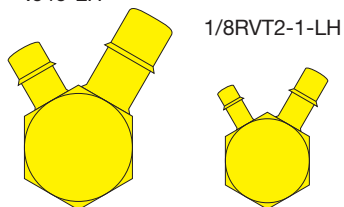


Top View: Left-hand Reducing VT's have the smaller branch on the left.



1/8RVT.050-.040-LH

1/8RVT2-1-LH



1/8RVT6-4-LH

1/8RVT3-2-LH

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	Consult Factory 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 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		9/16	23/32	23/32
1/4	6		9/16	23/32	23/32
5/8 / 8mm	7		3/4	1	1
3/8	8		3/4	27/32	27/32
1/2	10		3/4	1 1/8	1 1/8

Material options listed below!

Part Numbers for 1/8 NPT Male Pipe 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

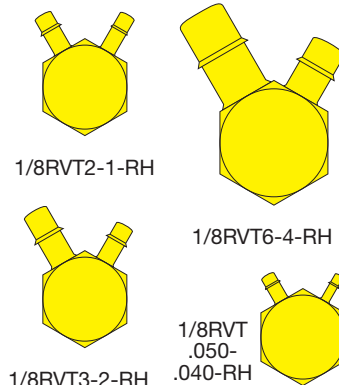
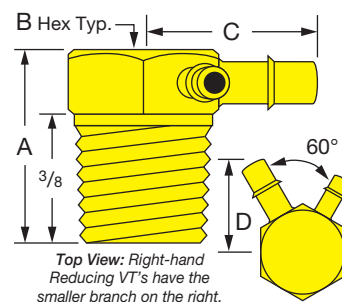
310

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

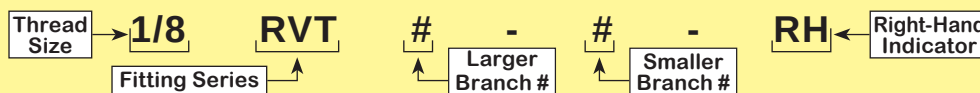
Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	Consult Factory	7/16	3/8	3/8
.040 / 1mm	.040		7/16	3/8	3/8
3/64	.045		7/16	3/8	3/8
.050	.050		7/16	3/8	3/8
1/16	1		7/16	7/16	7/16
5/64 / 2mm	2		7/16	7/16	7/16
3/32	2 1/2		7/16	7/16	7/16
1/8	3		7/16	17/32	17/32
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		9/16	23/32	23/32
1/4	6		9/16	23/32	23/32
5/8 / 8mm	7		3/4	1	1
3/8	8		3/4	27/32	27/32
1/2	10		3/4	1 1/8	1 1/8

Material options listed on previous page!



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

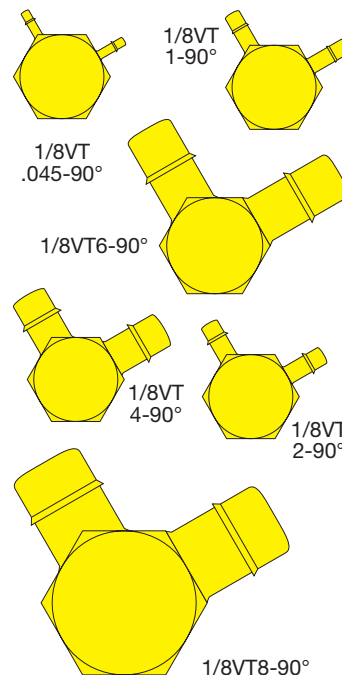
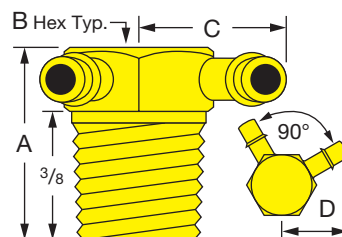


Note: Images are for visual representation only; not intended for dimensional measurements.
Dimensions may vary at time of manufacturing. Consult factory for details!

311

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

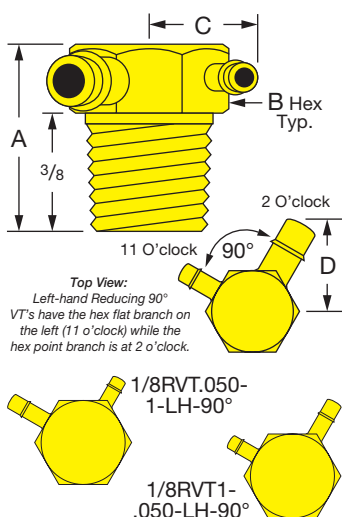
Tube ID	Part Numbers				Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/32	1/8T.031-90°	1/8T.031-90°-SS	1/8T.031-90°-316SS	1/8T.031-90°-NP	9/16	7/16	Consult Factory	3/8
.040 / 1mm	1/8T.040-90°	1/8T.040-90°-SS	1/8T.040-90°-316SS	1/8T.040-90°-NP	9/16	7/16		3/8
3/64	1/8T.045-90°	1/8T.045-90°-SS	1/8T.045-90°-316SS	1/8T.045-90°-NP	9/16	7/16		3/8
.050	1/8T.050-90°	1/8T.050-90°-SS	1/8T.050-90°-316SS	1/8T.050-90°-NP	9/16	7/16		3/8
1/16	1/8T1-90°	1/8T1-90°-SS	1/8T1-90°-316SS	1/8T1-90°-NP	9/16	7/16		7/16
5/64 / 2mm	1/8T2-90°	1/8T2-90°-SS	1/8T2-90°-316SS	1/8T2-90°-NP	9/16	7/16		7/16
3/32	1/8T2 1/2-90°	1/8T2 1/2-90°-SS	1/8T2 1/2-90°-316SS	1/8T2 1/2-90°-NP	9/16	7/16		7/16
1/8	1/8T3-90°	1/8T3-90°-SS	1/8T3-90°-316SS	1/8T3-90°-NP	9/16	7/16		17/32
5/32 / 4mm	1/8T3 1/2-90°	1/8T3 1/2-90°-SS	1/8T3 1/2-90°-316SS	1/8T3 1/2-90°-NP	9/16	7/16		17/32
.170	1/8T4-90°	1/8T4-90°-SS	1/8T4-90°-316SS	1/8T4-90°-NP	5/8	7/16		9/16
3/8	1/8T5-90°	1/8T5-90°-SS	1/8T5-90°-316SS	1/8T5-90°-NP	5/8	7/16		19/32
7/32	1/8T5 1/2-90°	1/8T5 1/2-90°-SS	1/8T5 1/2-90°-316SS	1/8T5 1/2-90°-NP	5/8	7/16		19/32
6mm	1/8T5 3/4-90°	1/8T5 3/4-90°-SS	1/8T5 3/4-90°-316SS	1/8T5 3/4-90°-NP	1 1/16	7/16		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
5/8 / 8mm	1/8T7-90°	1/8T7-90°-SS	1/8T7-90°-316SS	1/8T7-90°-NP	1 5/16	5/8		15/16
3/8	1/8T8-90°	1/8T8-90°-SS	1/8T8-90°-316SS	1/8T8-90°-NP	1 5/16	5/8		27/32
1/2	1/8T10-90°	1/8T10-90°-SS	1/8T10-90°-316SS	1/8T10-90°-NP	1 5/16	5/8		1 1/16





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

312

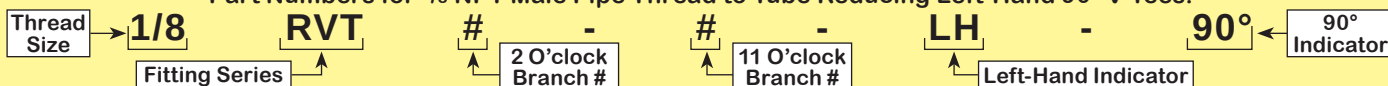


Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	Consult Factory	7/16	3/8	Consult Factory
.040 / 1mm	.040		7/16	3/8	
3/64	.045		7/16	3/8	
.050	.050	Consult Factory	7/16	3/8	Consult Factory
1/16	1		7/16	7/16	
5/64 / 2mm	2		7/16	7/16	
3/32	2 1/2	Consult Factory	7/16	7/16	Consult Factory
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.	D Ref.
.170	4	Consult Factory	7/16	9/16	Consult Factory
3/16	5		7/16	19/32	
7/32	5 1/2		7/16	19/32	
6mm	5 3/4	Consult Factory	7/16	23/32	Consult Factory
1/4	6		7/16	23/32	
5/8 / 8mm	7		5/8	1	
3/8	8	Consult Factory	5/8	27/32	Consult Factory
1/2	10		5/8	1 1/8	

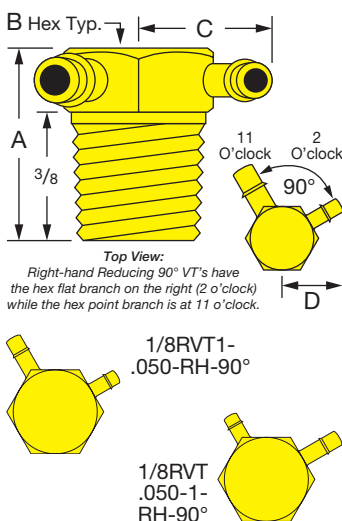
Material options listed below!

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



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

313

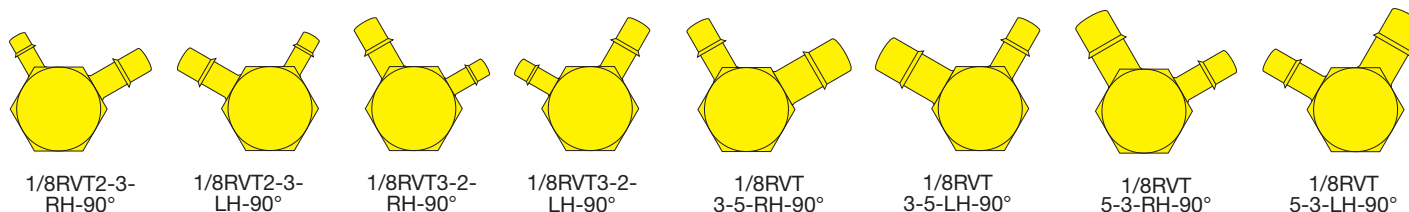
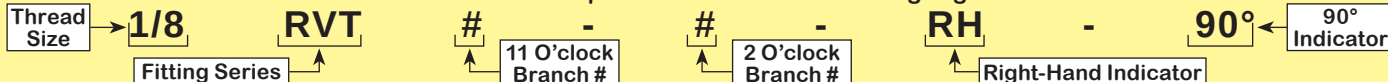


Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	Consult Factory	7/16	3/8	Consult Factory
.040 / 1mm	.040		7/16	3/8	
3/64	.045		7/16	3/8	
.050	.050	Consult Factory	7/16	3/8	Consult Factory
1/16	1		7/16	7/16	
5/64 / 2mm	2		7/16	7/16	
3/32	2 1/2	Consult Factory	7/16	7/16	Consult Factory
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.	D Ref.
.170	4	Consult Factory	7/16	9/16	Consult Factory
3/16	5		7/16	19/32	
7/32	5 1/2		7/16	19/32	
6mm	5 3/4	Consult Factory	7/16	23/32	Consult Factory
1/4	6		7/16	23/32	
5/8 / 8mm	7		5/8	1	
3/8	8	Consult Factory	5/8	27/32	Consult Factory
1/2	10		5/8	1 1/8	

Material options listed below!

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

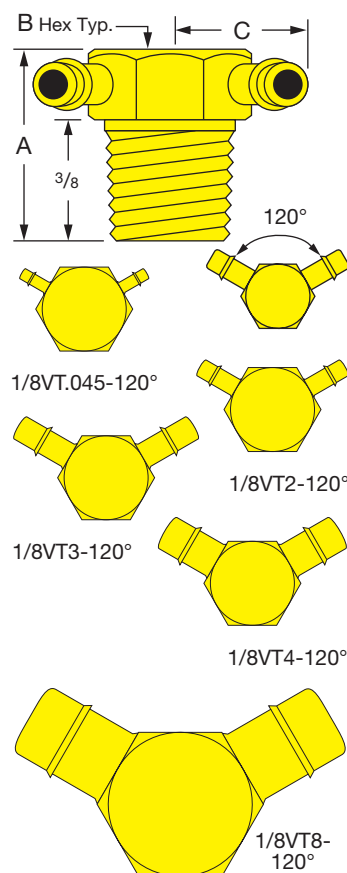


Unless otherwise specified, parts will be Brass. To order other materials, please add the following codes to the part number:
 -SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

314

1/8 NPT Male Pipe 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
3/8	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
5/8 / 8mm	1/8VT7-120°	1/8VT7-120°-SS	1/8VT7-120°-316SS	1/8VT7-120°-NP	1 5/16	5/8	1
3/8	1/8VT8-120°	1/8VT8-120°-SS	1/8VT8-120°-316SS	1/8VT8-120°-NP	1 5/16	5/8	27/32
1/2	1/8VT10-120°	1/8VT10-120°-SS	1/8VT10-120°-316SS	1/8VT10-120°-NP	1 5/16	5/8	1 1/8



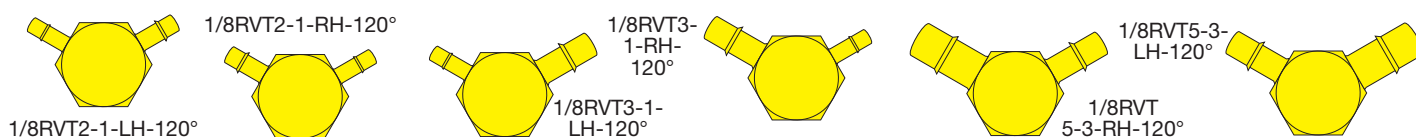
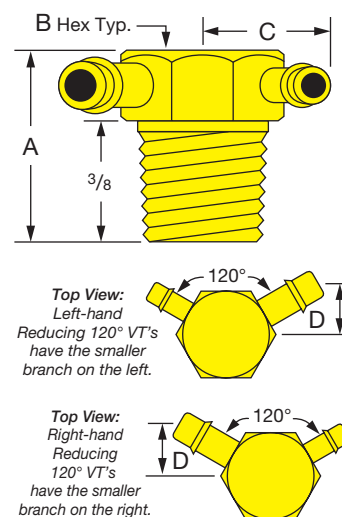
M

315 1/8 NPT Male Pipe Thread to Tube Custom 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	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		9/16	23/32	23/32
1/4	6		9/16	23/32	23/32
5/8 / 8mm	7		5/8	1	1
3/8	8		5/8	27/32	27/32
1/2	10		5/8	1 1/8	1 1/8

Material options listed on previous page!



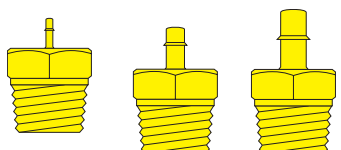
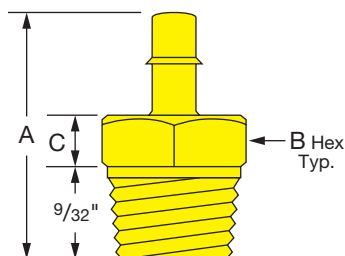
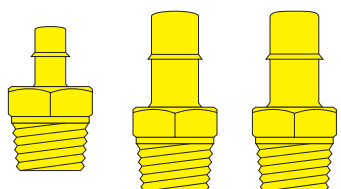
Part Numbers for 1/8 NPT Male Pipe Thread to Tube Reducing Left or Right-Hand 120° V-Tees:

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



1/8 NPT Short Male Pipe Thread to Tube

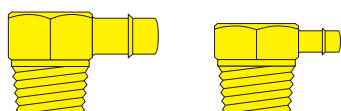
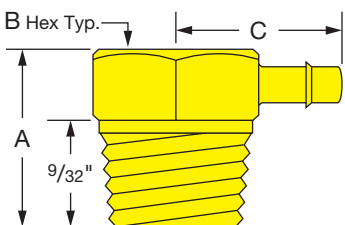
316

1/8B
.031-SH 1/8B2-SH 1/8B3-SH1/8B
3 1/2-SH 1/8B5 3/4-SH 1/8B6-SHLarger Branch sizes also
available! Consult factory!

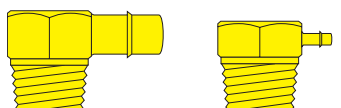
Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/8B.031-SH	1/8B.031-SH-SS	1/8B.031-SH-316SS	N/A	1/8B.031-SH-NP	5/16	7/16	5/32
.040 / 1mm	1/8B.040-SH	1/8B.040-SH-SS	1/8B.040-SH-316SS	N/A	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
3/8	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

1/8 NPT Short Male Pipe Thread to Tube Elbows

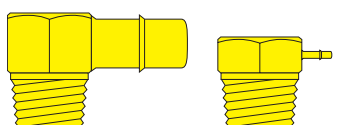
317



1/8LB4-SH 1/8LB2 1/2-SH



1/8LB5-SH 1/8LB.045-SH



1/8LB6-SH 1/8LB.031-SH

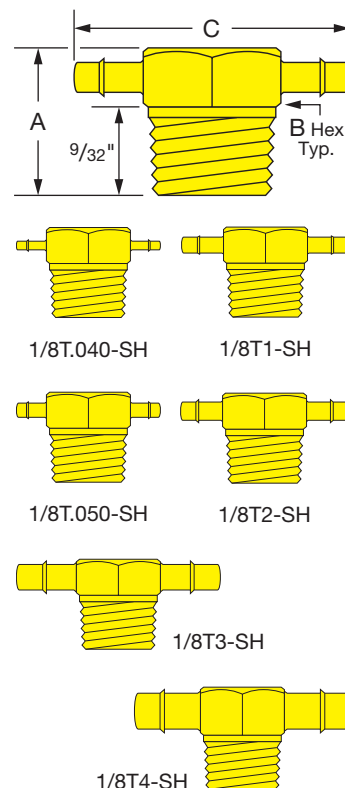
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/8LB.031-SH	1/8LB.031-SH-SS	1/8LB.031-SH-316SS	1/8LB.031-SH-NP	15/32	7/16	3/8
.040 / 1mm	1/8LB.040-SH	1/8LB.040-SH-SS	1/8LB.040-SH-316SS	1/8LB.040-SH-NP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

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1/8 NPT Short Male Pipe 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
3/8	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

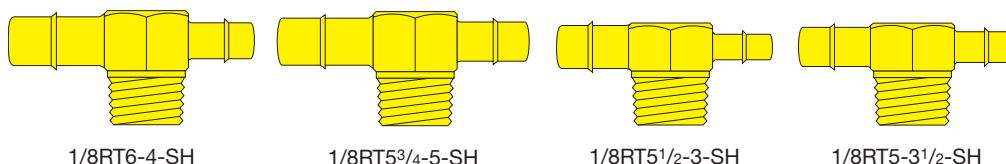
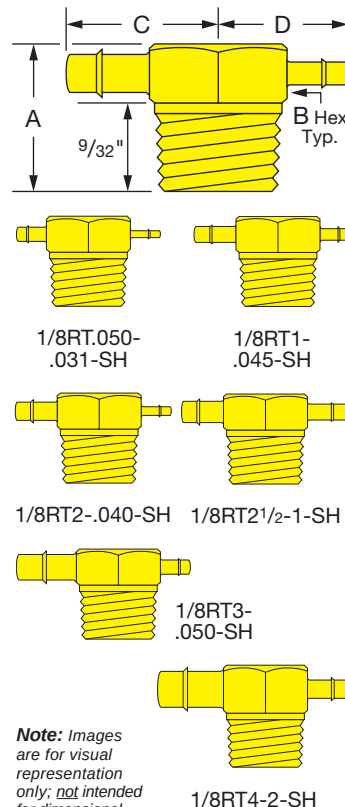


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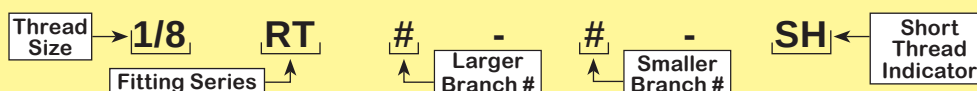
1/8 NPT Short Male Pipe Thread to Tube Reducing Tees

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 Pipe Thread to Tube Reducing Tees:



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

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

-SS = Stainless Steel 303

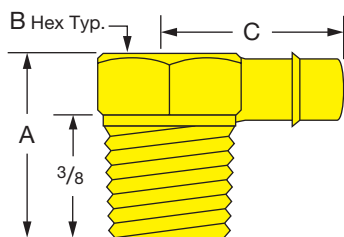
-316SS = Stainless Steel 316

-NP = Electroless Nickel Plate



1/8 NPT Male Pipe Thread to Tube Elbows Low Profile

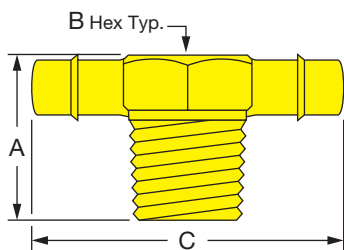
320



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
3/8	1/8LB5-LP	1/8LB5-LP-SS	1/8LB5-LP-316SS	1/8LB5-LP-NP	15/16	7/16	19/32

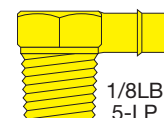
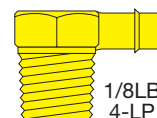
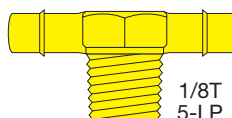
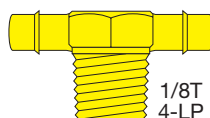
1/8 NPT Male Pipe Thread to Tube Tees Low Profile

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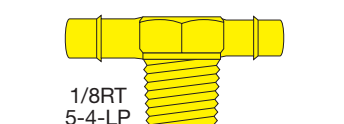
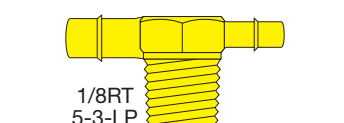
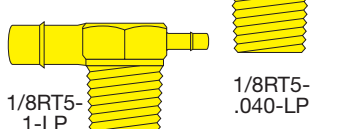
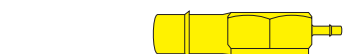
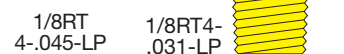
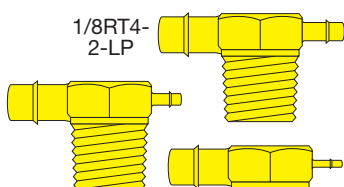
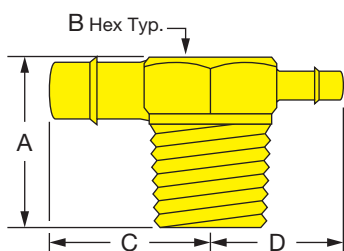
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
.170	1/8T4-LP	1/8T4-LP-SS	1/8T4-LP-316SS	1/8T4-LP-NP	15/16	7/16	1 1/8
3/8	1/8T5-LP	1/8T5-LP-SS	1/8T5-LP-316SS	1/8T5-LP-NP	15/16	7/16	1 3/16

**Low Profile Fittings:
#4 & #5 Branches with
Smaller Hex Height!**



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

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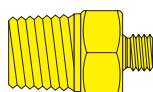


Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
.170	1/32	1/8RT4-.031-LP	1/8RT4-.031-LP-SS	1/8RT4-.031-LP-316SS	1/8RT4-.031-LP-NP	15/16	7/16	9/16	3/8
.170	.040 / 1mm	1/8RT4-.040-LP	1/8RT4-.040-LP-SS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

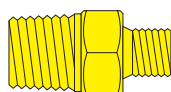
323

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

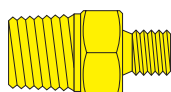
9 O'clock Thread Size	3 O'clock Thread Size	Part Numbers					Dimensions (Reference)	
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.
1/8 NPT	1/8 NPT	1/8HN	1/8HN-SS	1/8HN-316SS	1/8HN-AL	1/8HN-NP	3 1/32	7/16
1/8 NPT	10-32	1/8x10-RHN	1/8x10-RHN-SS	1/8x10-RHN-316SS	1/8x10-RHN-AL	1/8x10-RHN-NP	3/4	7/16
1/8 NPT	1/4-28	1/8x4-28-RHN	1/8x4-28-RHN-SS	1/8x4-28-RHN-316SS	1/8x4-28-RHN-AL	1/8x4-28-RHN-NP	27/32	7/16
1/8 NPT	7/16-20 SAE	1/8x7/16-20- SAE-RHN	1/8x7/16-20- SAE-RHN-SS	1/8x7/16-20- SAE-RHN-316SS	1/8x7/16-20- SAE-RHN-AL	1/8x7/16-20- SAE-RHN-NP	Consult Factory	
1/8 NPT	9/16-18 SAE	1/8x9/16-18- SAE-RHN	1/8x9/16-18- SAE-RHN-SS	1/8x9/16-18- SAE-RHN-316SS	1/8x9/16-18- SAE-RHN-AL	1/8x9/16-18- SAE-RHN-NP	Consult Factory	
1/8 NPT	M3	1/8xM3-RHN	1/8xM3-RHN-SS	1/8xM3-RHN-316SS	1/8xM3-RHN-AL	1/8xM3-RHN-NP	Consult Factory	
1/8 NPT	M5	1/8xM5-RHN	1/8xM5-RHN-SS	1/8xM5-RHN-316SS	1/8xM5-RHN-AL	1/8xM5-RHN-NP	3/4	7/16
1/8 NPT	M6x1	1/8xM6x1-RHN	1/8xM6x1-RHN-SS	1/8xM6x1-RHN-316SS	1/8xM6x1-RHN-AL	1/8xM6x1-RHN-NP	27/32	7/16
1/8 NPT	M8x1	1/8xM8x1-RHN	1/8xM8x1-RHN-SS	1/8xM8x1-RHN-316SS	1/8xM8x1-RHN-AL	1/8xM8x1-RHN-NP	29/32	7/16
1/8 NPT	M10x 1.25	1/8xM10x 1.25-RHN	1/8xM10x1.25- RHN-SS	1/8xM10x1.25- RHN-316SS	1/8xM10x1.25- RHN-AL	1/8xM10x1.25- RHN-NP	Consult Factory	
1/8 NPT	1/16 NPT	1/8x1/16-RHN	1/8x1/16-RHN-SS	1/8x1/16-RHN-316SS	1/8x1/16-RHN-AL	1/8x1/16-RHN-NP	59/64	7/16



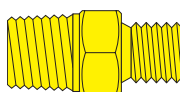
1/8x10-RHN



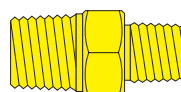
1/8x4-28-RHN



1/8xM6x1-RHN

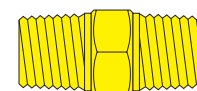
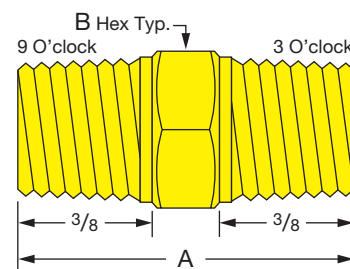


1/8xM8x1-RHN



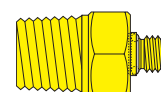
1/8x1/16-RHN

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

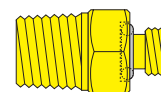


1/8HN

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



1/8x10-RHN-O



1/8x4-28-RHN-O

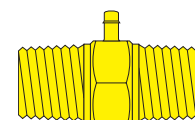
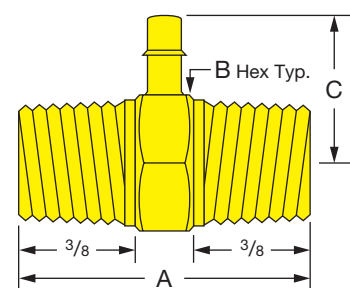
O-ring material options on pg 65!

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1/8 NPT Male Pipe Nipples with Tube Branches: Tees

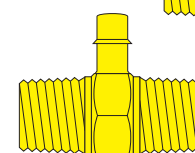
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/8HN-T.031	1/8HN-T.031-SS	1/8HN-T.031-316SS	1/8HN-T.031-NP	3 1/32	7/16	3/8
.040 / 1mm	1/8HN-T.040	1/8HN-T.040-SS	1/8HN-T.040-316SS	1/8HN-T.040-NP	3 1/32	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	3 1/32	7/16	3/8
.050	1/8HN-T.050	1/8HN-T.050-SS	1/8HN-T.050-316SS	1/8HN-T.050-NP	3 1/32	7/16	3/8
1/16	1/8HN-T1	1/8HN-T1-SS	1/8HN-T1-316SS	1/8HN-T1-NP	3 1/32	7/16	7/16
5/64 / 2mm	1/8HN-T2	1/8HN-T2-SS	1/8HN-T2-316SS	1/8HN-T2-NP	3 1/32	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	3 1/32	7/16	7/16
1/8	1/8HN-T3	1/8HN-T3-SS	1/8HN-T3-316SS	1/8HN-T3-NP	3 1/32	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	3 1/32	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
3/8	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
5/8 / 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		



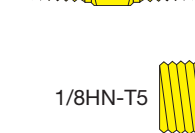
1/8HN-T.050



1/8HN-T2



1/8HN-T3 1/2

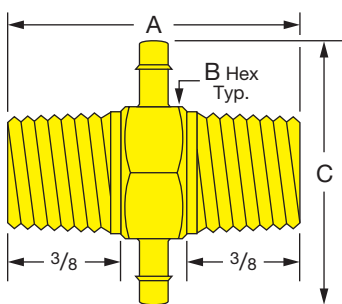


1/8HN-T5

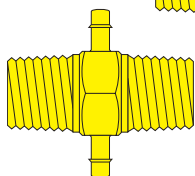
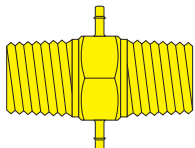


1/8 NPT Male Pipe Thread Nipples with Tube Branches: Crosses

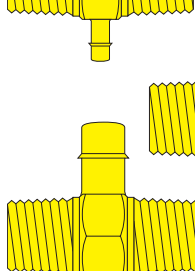
325



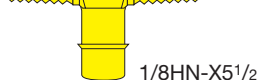
1/8HN-X.040



1/8HN-X2



1/8HN-X4

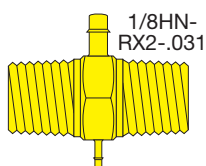
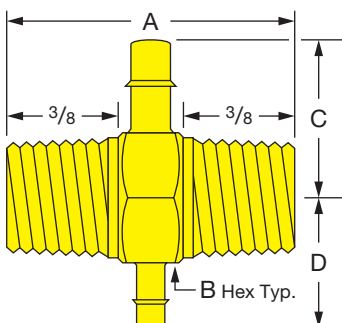


1/8HN-X5 1/2

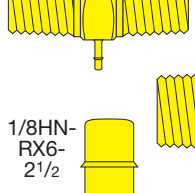
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/8HN-X.031	1/8HN-X.031-SS	1/8HN-X.031-316SS	1/8HN-X.031-NP	3 1/32	7/16	3/4
.040 / 1mm	1/8HN-X.040	1/8HN-X.040-SS	1/8HN-X.040-316SS	1/8HN-X.040-NP	3 1/32	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	1	7/16	1 1/8
3/8	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
5/8 / 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 Pipe Thread Nipples with Tube Branches: Reducing Crosses

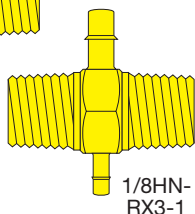
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1/8HN-RX2-.031



1/8HN-RX6-2 1/2



1/8HN-RX3-1

Note: Images are not intended for dimensional measurements.

Branches		Dimensions (Reference)			
Tube ID	Branch Number	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
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 Number	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
5/8 / 8mm	7	Consult Factory	Consult Factory	Consult Factory	Consult Factory
3/8	8	Consult Factory	Consult Factory	Consult Factory	Consult Factory
1/2	10	Consult Factory	Consult Factory	Consult Factory	Consult Factory

Reducing Thread options also available!

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

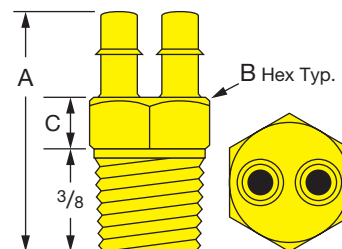
Thread Size	1/8	HN-RX	#	-	#	Smaller Branch #
		Fitting Series			Larger Branch #	

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

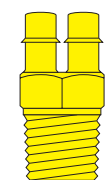
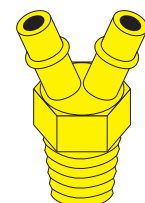
327

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
3/8	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.

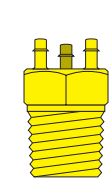
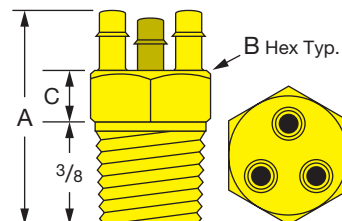

1/8B3¹/2x2


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1/8 NPT Male Thread Straight Manifolds with 3 Branches

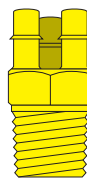
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/8B.031x3	1/8B.031x3-SS	1/8B.031x3-316SS	1/8B.031x3-NP	23/32	7/16	3/16
.040 / 1mm	1/8B.040x3	1/8B.040x3-SS	1/8B.040x3-316SS	1/8B.040x3-NP	23/32	7/16	3/16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

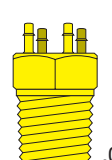
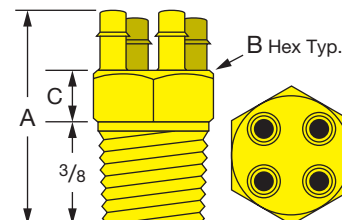


1/8B3x3

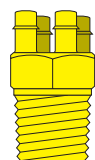
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1/8 NPT Male Thread Straight Manifolds with 4 Branches

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



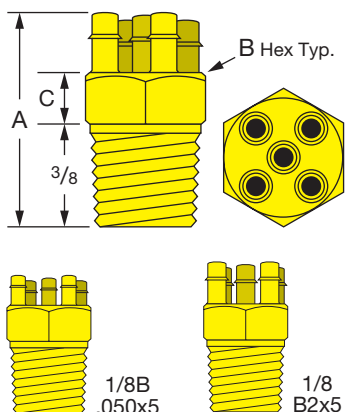
1/8B.040x4


1/8B2¹/2x4



1/8 NPT Male Thread Straight Manifolds with 5 Branches

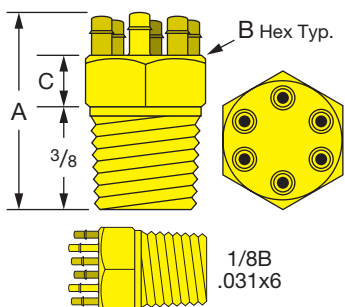
330



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 Pipe Thread to Tube Manifolds with 6 Branches

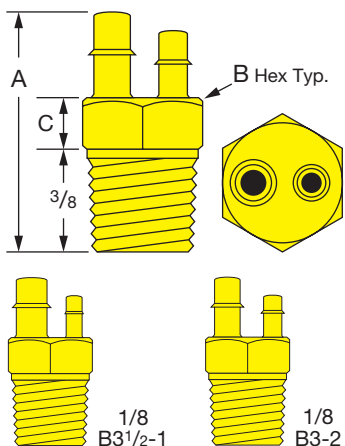
331



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

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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

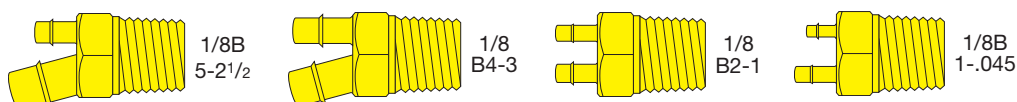
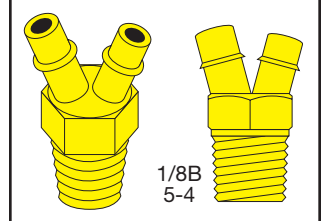
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
3/32	2 1/2	25/32	7/16	3/16
1/8	3	7/8	7/16	3/16
5/32 / 4mm	3 1/2	7/8	7/16	3/16
.170	4	29/32	7/16	3/16
3/16	5	15/16	7/16	3/16

Unless otherwise specified, parts will be Brass.

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

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

Due to their sizes, 1/8B5-4 branches are mounted at an angle on the hex.



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

-SS = Stainless Steel 303

-316SS = Stainless Steel 316

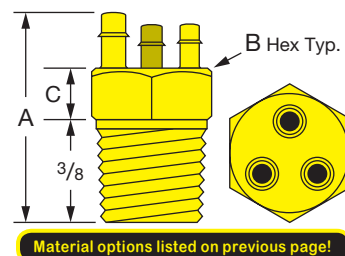
-NP = Electroless Nickel Plate

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



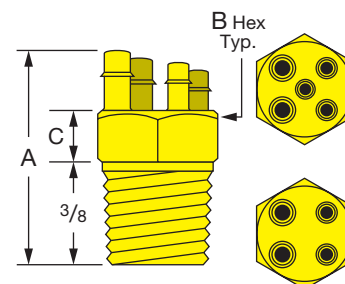
Material options listed on previous page!

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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



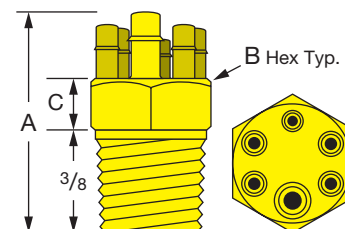
Material options listed on previous page!

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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	23/32	7/16	3/16

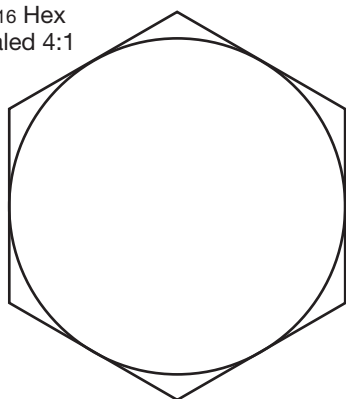
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
.050	.050	23/32	7/16	3/16
1/16	1	25/32	7/16	3/16



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:

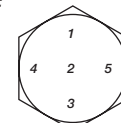
Indicate the desired location of each branch by writing the numbers 1 through 6 (1 = 1st Branch, etc.) on the diagram on the left. Mark the coordinating Branch Number (size) in the chart below. Reference tables on pages 177-179 for Branch Numbers and Tube ID's. Upon receipt of this template, a part number*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

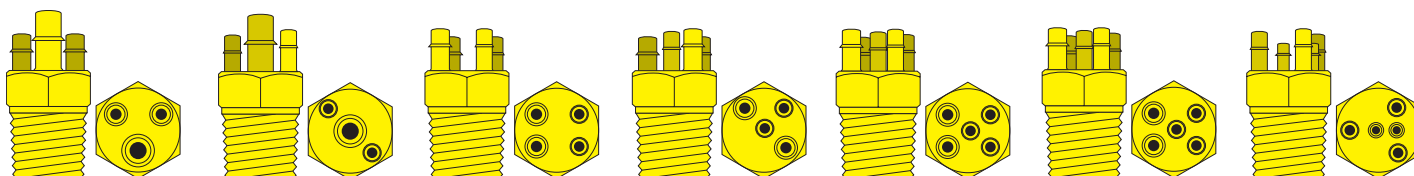


Branch Numbers:

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)

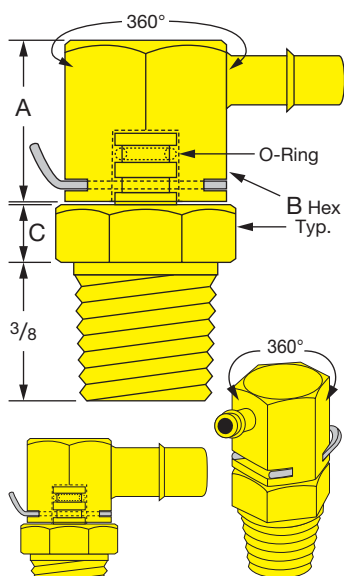
*Part numbers will vary depending on branch configuration



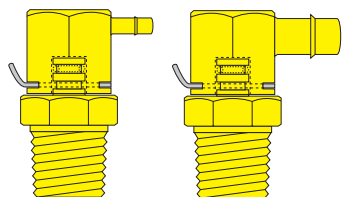


1/8 NPT Male Pipe Thread to Tube Swivel Elbows with Clip Groove

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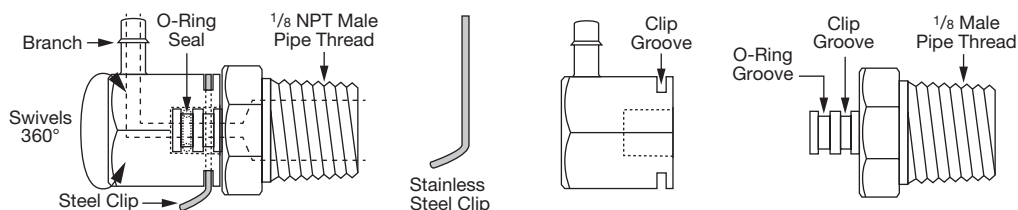
1/8SW-LB6-GT



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

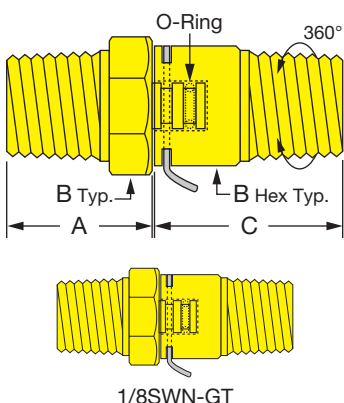
See GT Series for other Swivel options!!

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
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
.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	Consult Factory	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory	Consult Factory
.050	1/8SW-LB.050-GT	1/8SW-LB.050-GT-SS	1/8SW-LB.050-GT-316SS	1/8SW-LB.050-GT-NP	Consult Factory	Consult Factory	Consult Factory
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
5/8 / 8mm	1/8SW-LB7-GT	1/8SW-LB7-GT-SS	1/8SW-LB7-GT-316SS	1/8SW-LB7-GT-NP	Consult Factory	Consult Factory	Consult Factory
3/8	1/8SW-LB8-GT	1/8SW-LB8-GT-SS	1/8SW-LB8-GT-316SS	1/8SW-LB8-GT-NP	Consult Factory	Consult Factory	Consult Factory
1/2	1/8SW-LB10-GT	1/8SW-LB10-GT-SS	1/8SW-LB10-GT-316SS	1/8SW-LB10-GT-NP	Consult Factory	Consult Factory	Consult Factory

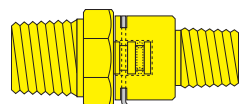


1/8 NPT Male Pipe Thread Swivel Nipples and Reducing Swivel Nipples

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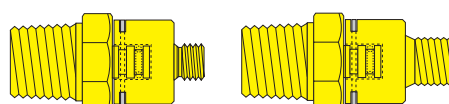


1/8SWN-GT

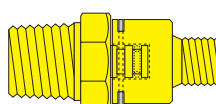


1/8RSWN-1/16-GT

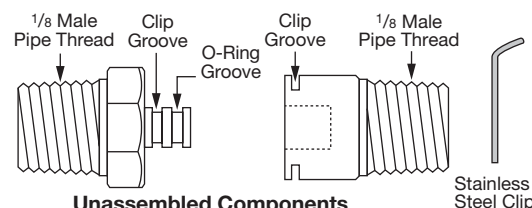
9 O'clock Thread Size	3 O'clock Thread Size	Part Numbers					Dimensions (Reference)		
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/8	1/8	1/8SWN-GT	1/8SWN-GT-SS	1/8SWN-GT-316SS	1/8SWN-GT-AL	1/8SWN-GT-NP	Consult Factory	Consult Factory	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	Consult Factory	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory	Consult Factory
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	Consult Factory	Consult Factory	Consult Factory



1/8RSWN-10-GT



1/8RSWN-4-28-GT



Unassembled Components

Stainless Steel Clip

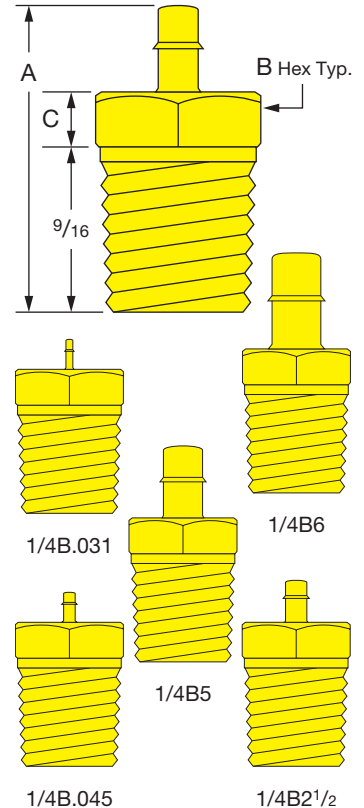
Note: Images are for visual representation only; not intended for dimensional measurements.

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

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1/4 NPT Male Pipe 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
5/8 / 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

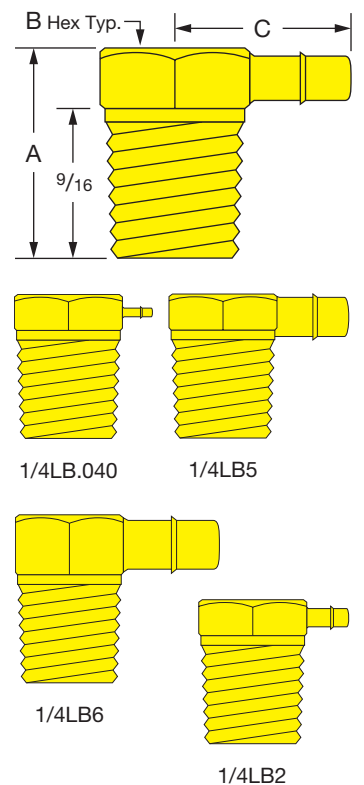


N

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1/4 NPT Male Pipe 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
5/8 / 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

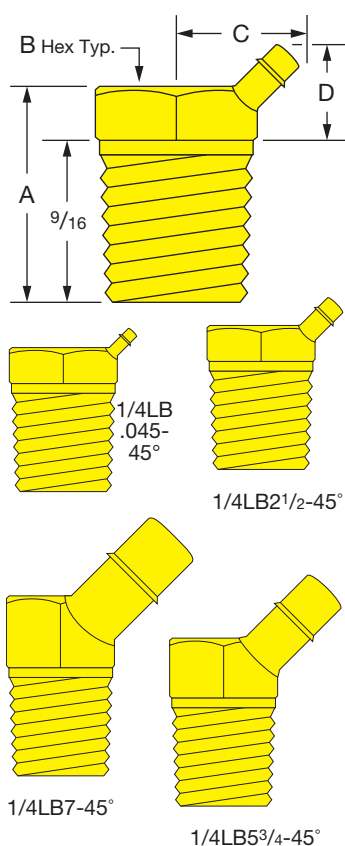


Note: Images are for visual representation only; not intended for dimensional measurements.



1/4 NPT Male Pipe Thread to Tube 45° Elbows

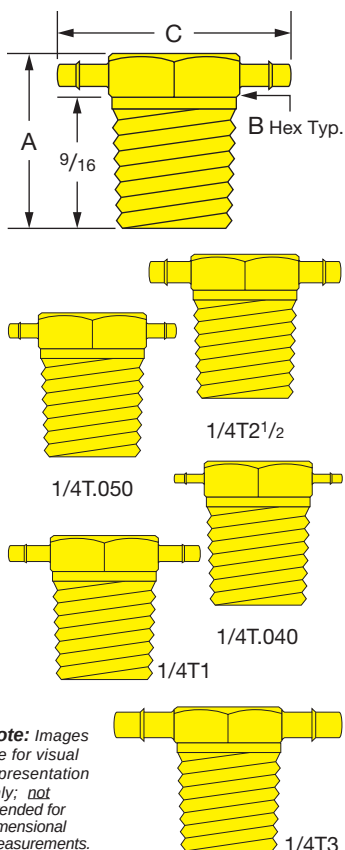
340



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
5/8 / 8mm	1/4LB7-45°	1/4LB7-45°-SS	1/4LB7-45°-316SS	1/4LB7-45°-NP	1 17/64	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 Pipe Thread to Tube Tees

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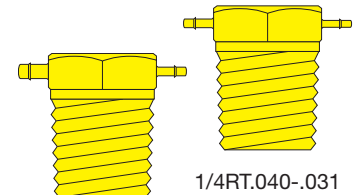
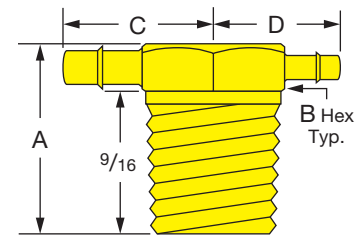
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/4T.031	1/4T.031-SS	1/4T.031-316SS	1/4T.031-NP	3/4	9/16	7/8
.040 / 1mm	1/4T.040	1/4T.040-SS	1/4T.040-316SS	1/4T.040-NP	3/4	9/16	7/8
3/64	1/4T.045	1/4T.045-SS	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
5/8 / 8mm	1/4T7	1/4T7-SS	1/4T7-316SS	1/4T7-NP	1 17/64	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

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

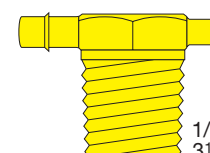
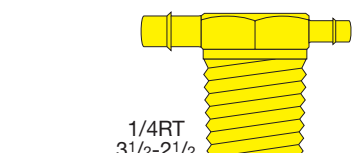
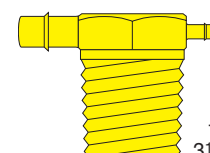
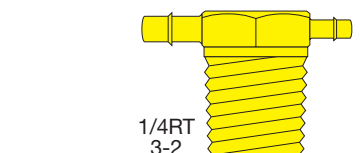
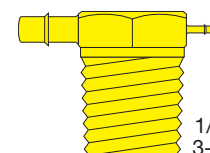
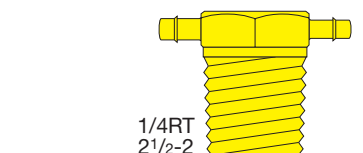
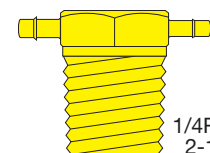
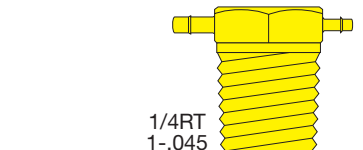
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1/4 NPT Male Pipe Thread to Tube Reducing Tees

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



1/4RT.050-.040

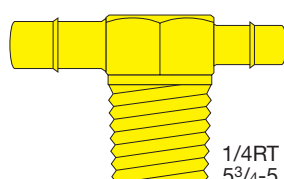
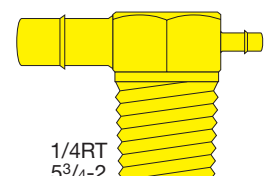
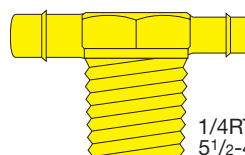
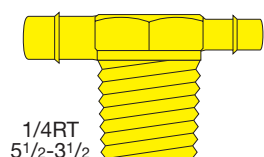
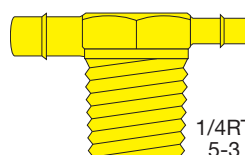
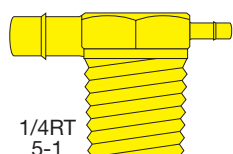
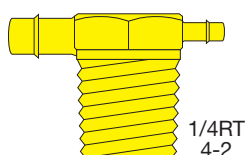
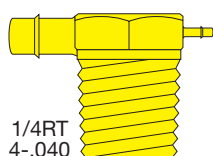
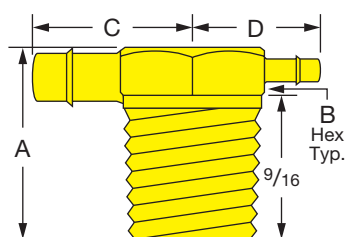


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1/4 NPT Male Pipe Thread to Tube Reducing Tees

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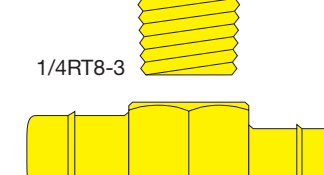
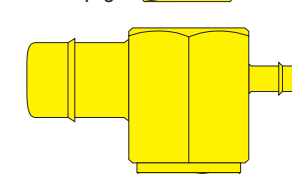
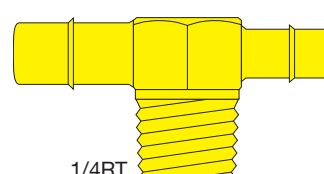
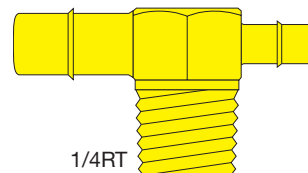
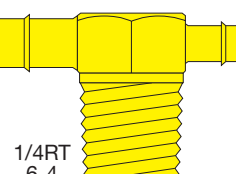
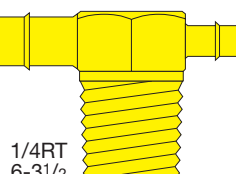
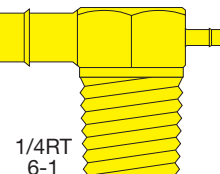
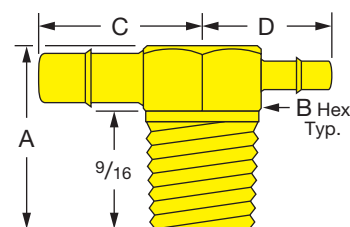
Note: Images are for visual representation only;
not intended for dimensional measurements.

Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 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 Pipe 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.
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	11/16
5/16 / 8mm	1/4	1/4RT7-6	1/4RT7-6-SS	1/4RT7-6-316SS	1/4RT7-6-NP	15/16	9/16	29/32	11/16
3/8	1/16	1/4RT8-1	1/4RT8-1-SS	1/4RT8-1-316SS	1/4RT8-1-NP	1 17/64	5/8	27/32	13/32
3/8	5/64 / 2mm	1/4RT8-2	1/4RT8-2-SS	1/4RT8-2-316SS	1/4RT8-2-NP	1 17/64	5/8	27/32	13/32
3/8	3/32	1/4RT8-2 1/2	1/4RT8-2 1/2-SS	1/4RT8-2 1/2-316SS	1/4RT8-2 1/2-NP	1 17/64	5/8	27/32	13/32
3/8	1/8	1/4RT8-3	1/4RT8-3-SS	1/4RT8-3-316SS	1/4RT8-3-NP	1 17/64	5/8	27/32	1/2
3/8	5/32 / 4mm	1/4RT8-3 1/2	1/4RT8-3 1/2-SS	1/4RT8-3 1/2-316SS	1/4RT8-3 1/2-NP	1 17/64	5/8	27/32	1/2
3/8	.170	1/4RT8-4	1/4RT8-4-SS	1/4RT8-4-316SS	1/4RT8-4-NP	1 17/64	5/8	27/32	17/32
3/8	3/16	1/4RT8-5	1/4RT8-5-SS	1/4RT8-5-316SS	1/4RT8-5-NP	1 17/64	5/8	27/32	19/32
3/8	7/32	1/4RT8-5 1/2	1/4RT8-5 1/2-SS	1/4RT8-5 1/2-316SS	1/4RT8-5 1/2-NP	1 17/64	5/8	27/32	19/32
3/8	6mm	1/4RT8-5 3/4	1/4RT8-5 3/4-SS	1/4RT8-5 3/4-316SS	1/4RT8-5 3/4-NP	1 17/64	5/8	27/32	11/16
3/8	1/4	1/4RT8-6	1/4RT8-6-SS	1/4RT8-6-316SS	1/4RT8-6-NP	1 17/64	5/8	27/32	11/16
3/8	5/16 / 8mm	1/4RT8-7	1/4RT8-7-SS	1/4RT8-7-316SS	1/4RT8-7-NP	1 17/64	5/8	27/32	29/32
1/2	1/16	1/4RT10-1	1/4RT10-1-SS	1/4RT10-1-316SS	1/4RT10-1-NP	1 17/64	5/8	1 1/32	13/32
1/2	5/64 / 2mm	1/4RT10-2	1/4RT10-2-SS	1/4RT10-2-316SS	1/4RT10-2-NP	1 17/64	5/8	1 1/32	13/32
1/2	3/32	1/4RT10-2 1/2	1/4RT10-2 1/2-SS	1/4RT10-2 1/2-316SS	1/4RT10-2 1/2-NP	1 17/64	5/8	1 1/32	13/32
1/2	1/8	1/4RT10-3	1/4RT10-3-SS	1/4RT10-3-316SS	1/4RT10-3-NP	1 17/64	5/8	1 1/32	1/2

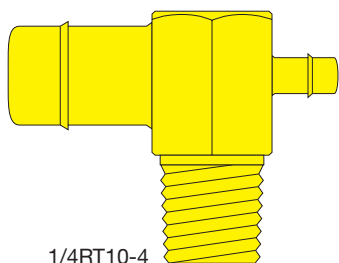
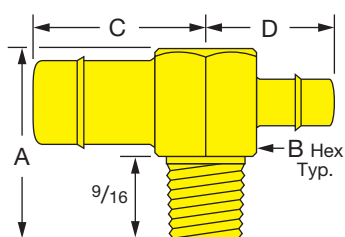


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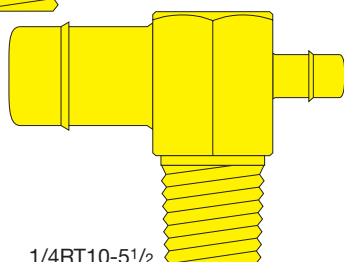


1/4 NPT Male Pipe Thread to Tube Reducing Tees

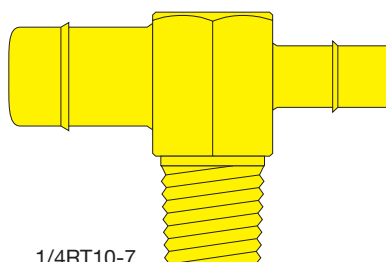
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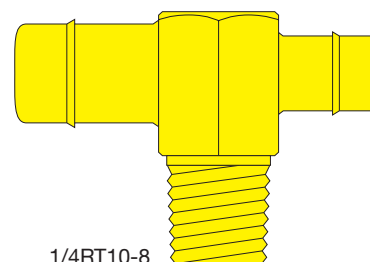
1/4RT10-4



1/4RT10-5 1/2



1/4RT10-7



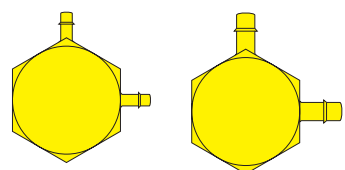
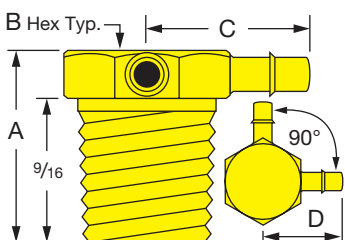
1/4RT10-8

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.

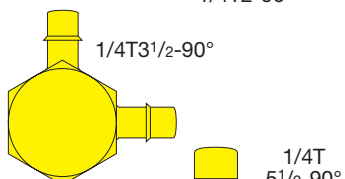
1/4 NPT Male Pipe Thread to Tube 90° Tees

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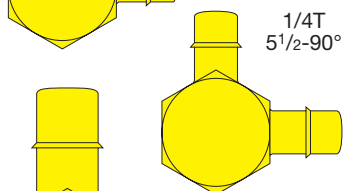


1/4T.045-90°

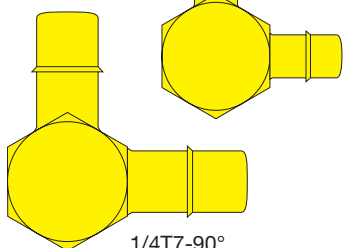
1/4T2-90°



1/4T3 1/2-90°



1/4T 5 1/2-90°



1/4T7-90°

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	1/4T.031-90°	1/4T.031-90°-SS	1/4T.031-90°-316SS	1/4T.031-90°-NP	3/4	9/16	7/16	Consult Factory
.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	1/2	
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	
3/8	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	
5/8 / 8mm	1/4T7-90°	1/4T7-90°-SS	1/4T7-90°-316SS	1/4T7-90°-NP	1 5/16	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	

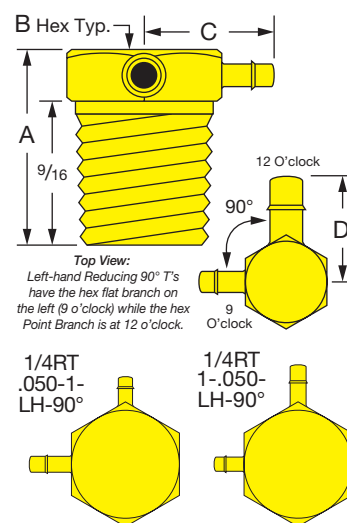
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1/4 NPT Male Pipe Thread to Tube Custom Reducing 90° Left-Hand Tees

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

Material options listed below!



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

Thread Size	→ 1/4	RT	#	-	#	-	LH	-	90°	90° Indicator
Fitting Series			12 O'clock Branch #		9 O'clock Branch #		Left-Hand Indicator			

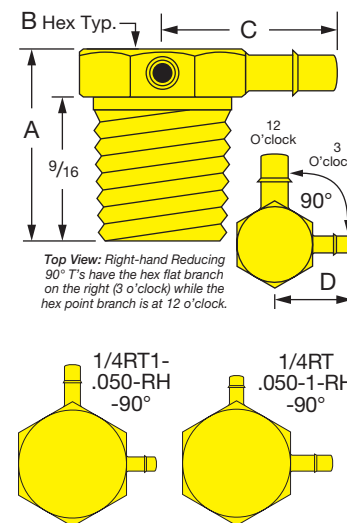
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1/4 NPT Male Pipe Thread to Tube Custom Reducing Right-Hand 90° Tees

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	

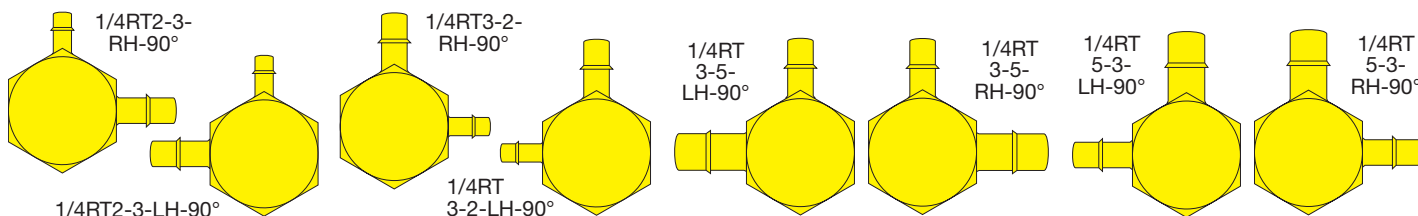
Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
.170	4	Consult Factory	9/16	5/8	Consult Factory
3/16	5		9/16	21/32	
7/32	5 1/2	Consult Factory	9/16	21/32	Consult Factory
6mm	5 3/4		9/16	25/32	
1/4	6	Consult Factory	9/16	25/32	Consult Factory
5/8 / 8mm	7		5/8	29/32	
3/8	8	Consult Factory	5/8	27/32	Consult Factory
1/2	10		5/8	1 1/32	

Material options listed below!



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

Thread Size	→ 1/4	RT	#	-	#	-	RH	-	90°	90° Indicator
Fitting Series			12 O'clock Branch #		3 O'clock Branch #		Right-Hand Indicator			



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

-SS = Stainless Steel 303

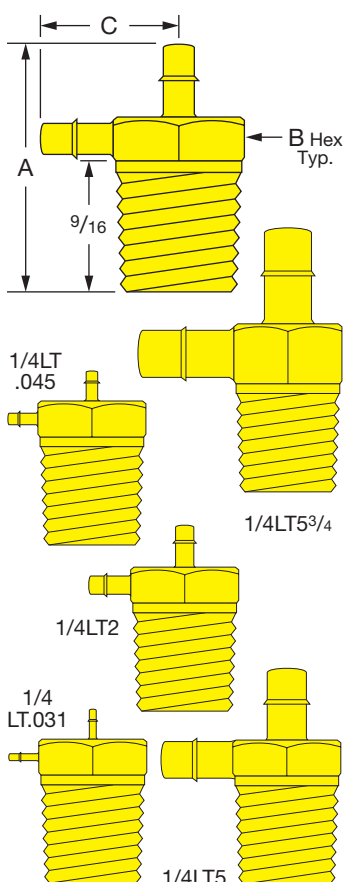
-316SS = Stainless Steel 316

-NP = Electroless Nickel Plate



1/4 NPT Male Pipe Thread to Tube L-Tees

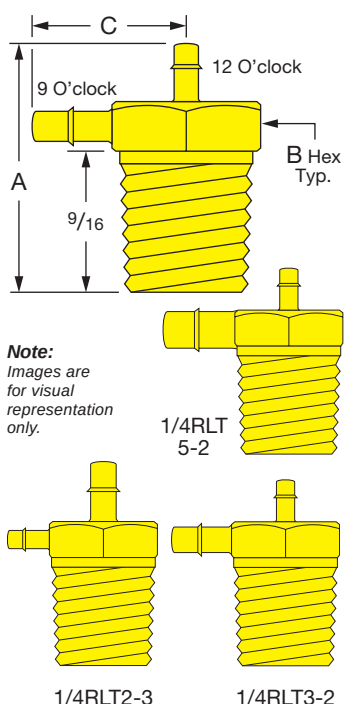
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Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/4LT.031	1/4LT.031-SS	1/4LT.031-316SS	1/4LT.031-NP	29/32	9/16	7/16
.040 / 1mm	1/4LT.040	1/4LT.040-SS	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 41/64	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 41/64	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 49/64	9/16	25/32
1/4	1/4LT6	1/4LT6-SS	1/4LT6-316SS	1/4LT6-NP	1 49/64	9/16	25/32
5/8 / 8mm	1/4LT7	1/4LT7-SS	1/4LT7-316SS	1/4LT7-NP	1 57/64	9/16	29/32
3/8	1/4LT8	1/4LT8-SS	1/4LT8-316SS	1/4LT8-NP	1 51/64	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 Pipe Thread to Tube Reducing L-Tees

350



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

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
.170	4	Consult Factory	7/16	5/8
3/16	5		7/16	21/32
7/32	5 1/2		7/16	21/32
6mm	5 3/4		7/16	25/32
1/4	6		7/16	25/32
5/8 / 8mm	7		5/8	29/32
3/8	8		5/8	27/32
1/2	10		3/4	1 1/32

Material options listed below!

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

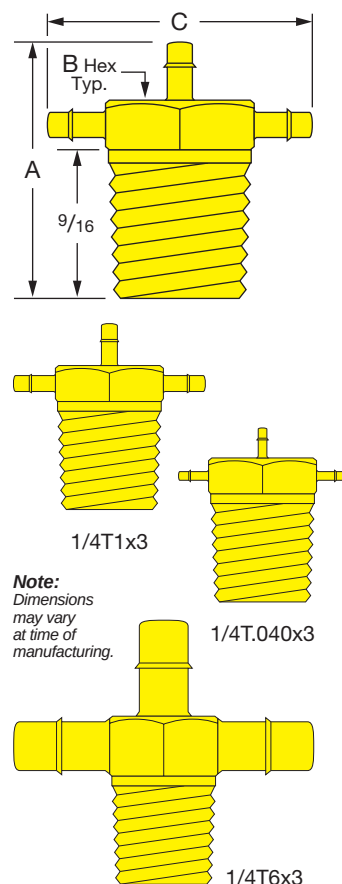
Thread Size	1/4	RLT	#	-	#	12 O'clock Branch #
		Fitting Series				9 O'clock Branch #

Unless otherwise specified, parts will be Brass. 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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1/4 NPT Male Pipe 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 1/4	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 1/4	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 49/64	9/16	1 9/16
1/4	1/4T6x3	1/4T6x3-SS	1/4T6x3-316SS	1/4T6x3-NP	1 49/64	9/16	1 9/16
5/8 / 8mm	1/4T7x3	1/4T7x3-SS	1/4T7x3-316SS	1/4T7x3-NP	1 57/64	9/16	1 13/16
3/8	1/4T8x3	1/4T8x3-SS	1/4T8x3-316SS	1/4T8x3-NP	1 51/64	5/8	1 11/16
1/2	1/4T10x3	1/4T10x3-SS	1/4T10x3-316SS	1/4T10x3-NP	2 1/64	5/8	2 1/16



N

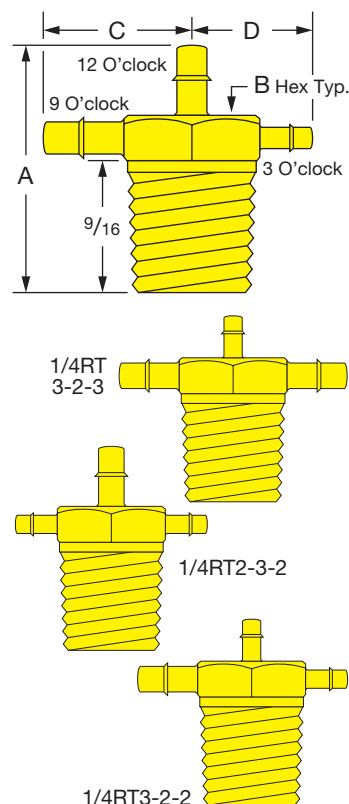
352

1/4 NPT Male Pipe 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	9/16	7/16	7/16
.040 / 1mm	.040		9/16	7/16	7/16
3/64	.045		9/16	7/16	7/16
.050	.050		9/16	7/16	7/16
1/16	1		9/16	1/2	1/2
5/64 / 2mm	2		9/16	1/2	1/2
3/32	2 1/2		9/16	1/2	1/2
1/8	3		9/16	19/32	19/32
5/32 / 4mm	3 1/2		9/16	19/32	19/32

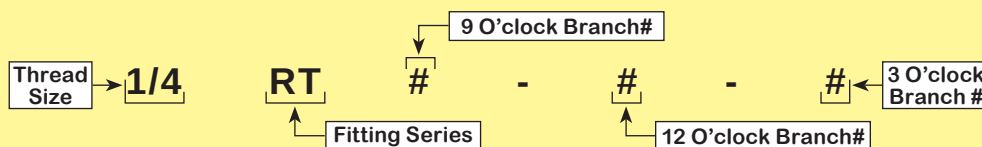
Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
.170	4	Consult Factory	9/16	5/8	5/8
3/16	5		9/16	21/32	21/32
7/32	5 1/2		9/16	21/32	21/32
6mm	5 3/4		9/16	25/32	25/32
1/4	6		9/16	25/32	25/32
5/8 / 8mm	7		5/8	29/32	29/32
3/8	8		5/8	27/32	27/32
1/2	10		5/8	1 1/32	1 1/32

Material options listed on previous page!



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

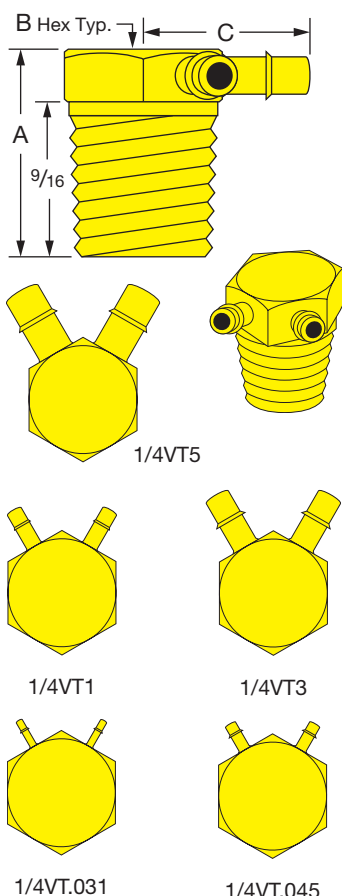
Part Numbers for 1/4 NPT Male Pipe Thread to Tube Reducing Tees x 3:





1/4 NPT Male Pipe Thread to Tube V-Tees

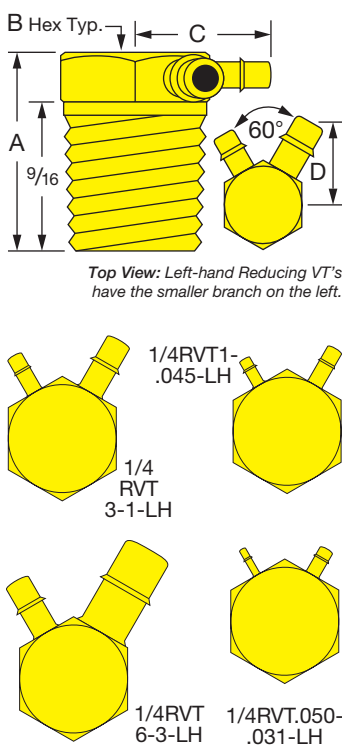
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Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/4VT.031	1/4VT.031-SS	1/4VT.031-316SS	1/4VT.031-NP	3/4	9/16	7/16
.040 / 1mm	1/4VT.040	1/4VT.040-SS	1/4VT.040-316SS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

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

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Top View: Left-hand Reducing 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	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
5/8 / 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	11/32	11/32

Material options listed below!

Part Numbers for 1/4 NPT Male Pipe 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

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

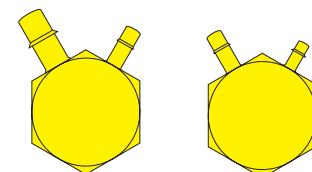
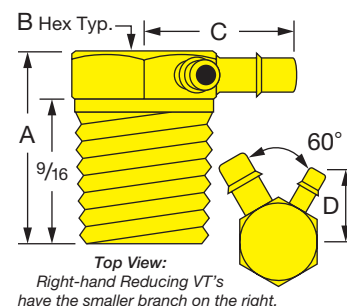
355

1/4 NPT Male Pipe Thread to Tube Custom Right-Hand Reducing V-Tees

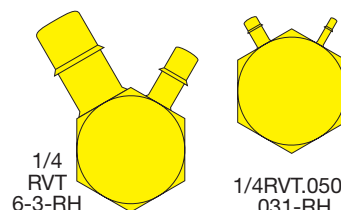
Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	3/4	9/16	7/16	7/16
.040 / 1mm	.040	3/4	9/16	7/16	7/16
3/64	.045	3/4	9/16	7/16	7/16
.050	.050	3/4	9/16	7/16	7/16
1/16	1	3/4	9/16	1/2	1/2
5/64 / 2mm	2	3/4	9/16	1/2	1/2
3/32	2 1/2	3/4	9/16	1/2	1/2
1/8	3	3/4	9/16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

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
.170	4	3/4	9/16	5/8	5/8
3/16	5	3/4	9/16	21/32	21/32
7/32	5 1/2	3/4	9/16	21/32	21/32
6mm	5 3/4	7/8	9/16	25/32	25/32
1/4	6	7/8	9/16	25/32	25/32
5/8 / 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

Material options listed on previous page!

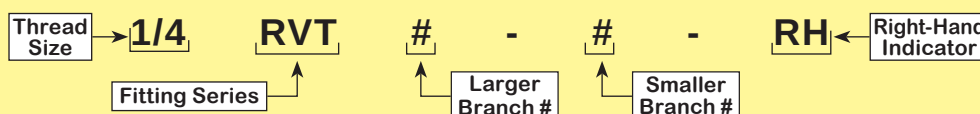


1/4RVT3-1-RH 1/4RVT1-.045-RH



N

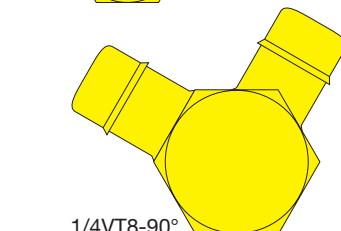
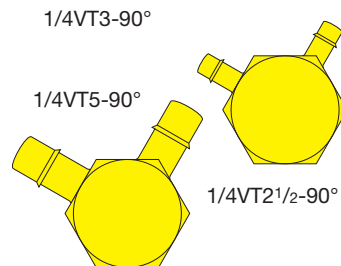
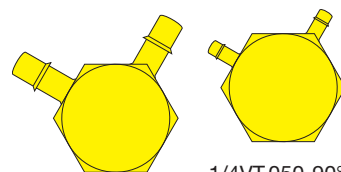
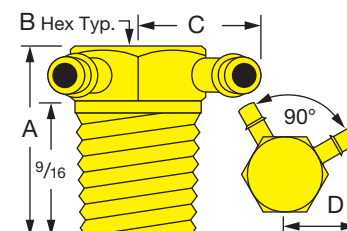
Part Numbers for 1/4 NPT Male Pipe Thread to Tube Right-Hand Reducing V-Tees:



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1/4 NPT Male Pipe Thread to Tube 90° V-Tees

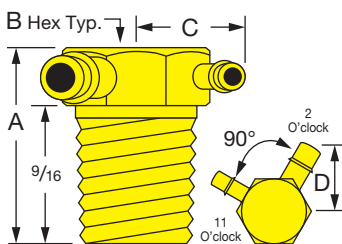
Tube ID	Part Numbers				Dimensions (Reference)				
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.	
1/32	1/4VT.031-90°	1/4VT.031-90°-SS	1/4VT.031-90°-316SS	1/4VT.031-90°-NP	3/4	9/16	7/16		Consult Factory
.040 / 1mm	1/4VT.040-90°	1/4VT.040-90°-SS	1/4VT.040-90°-316SS	1/4VT.040-90°-NP	3/4	9/16	7/16		
3/64	1/4VT.045-90°	1/4VT.045-90°-SS	1/4VT.045-90°-316SS	1/4VT.045-90°-NP	3/4	9/16	7/16		
.050	1/4VT.050-90°	1/4VT.050-90°-SS	1/4VT.050-90°-316SS	1/4VT.050-90°-NP	3/4	9/16	7/16		
1/16	1/4VT1-90°	1/4VT1-90°-SS	1/4VT1-90°-316SS	1/4VT1-90°-NP	3/4	9/16	1/2		
5/64 / 2mm	1/4VT2-90°	1/4VT2-90°-SS	1/4VT2-90°-316SS	1/4VT2-90°-NP	3/4	9/16	1/2		
3/32	1/4VT2 1/2-90°	1/4VT2 1/2-90°-SS	1/4VT2 1/2-90°-316SS	1/4VT2 1/2-90°-NP	3/4	9/16	1/2		
1/8	1/4VT3-90°	1/4VT3-90°-SS	1/4VT3-90°-316SS	1/4VT3-90°-NP	3/4	9/16	19/32		
5/32 / 4mm	1/4VT3 1/2-90°	1/4VT3 1/2-90°-SS	1/4VT3 1/2-90°-316SS	1/4VT3 1/2-90°-NP	3/4	9/16	19/32		
.170	1/4VT4-90°	1/4VT4-90°-SS	1/4VT4-90°-316SS	1/4VT4-90°-NP	3/4	9/16	5/8		
3/16	1/4VT5-90°	1/4VT5-90°-SS	1/4VT5-90°-316SS	1/4VT5-90°-NP	3/4	9/16	21/32		
7/32	1/4VT5 1/2-90°	1/4VT5 1/2-90°-SS	1/4VT5 1/2-90°-316SS	1/4VT5 1/2-90°-NP	3/4	9/16	21/32		
6mm	1/4VT5 3/4-90°	1/4VT5 3/4-90°-SS	1/4VT5 3/4-90°-316SS	1/4VT5 3/4-90°-NP	7/8	9/16	25/32		
1/4	1/4VT6-90°	1/4VT6-90°-SS	1/4VT6-90°-316SS	1/4VT6-90°-NP	7/8	9/16	25/32		
5/8 / 8mm	1/4VT7-90°	1/4VT7-90°-SS	1/4VT7-90°-316SS	1/4VT7-90°-NP	15/16	5/8	29/32		
3/8	1/4VT8-90°	1/4VT8-90°-SS	1/4VT8-90°-316SS	1/4VT8-90°-NP	1 17/64	5/8	27/32		
1/2	1/4VT10-90°	1/4VT10-90°-SS	1/4VT10-90°-316SS	1/4VT10-90°-NP	1 17/64	5/8	1 1/32		



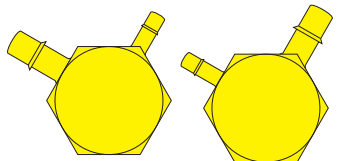


1/4 NPT Male Pipe Thread to Tube Custom Reducing Left-Hand 90° V-Tees

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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.



1/4RVT 1-3-LH-90° 1/4RVT3-1-LH-90°

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 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	
5/8 / 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	

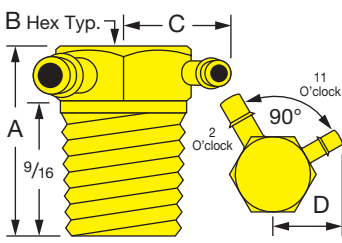
Material options listed below!

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

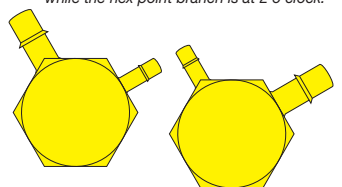
Thread Size	1/4	RVT	#	-	#	-	LH	-	90°	90° Indicator
Fitting Series			2 O'clock Branch #		11 O'clock Branch #		Left-Hand Indicator			

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

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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.



1/4RVT3-1-RH-90° 1/4RVT1-3-RH-90°

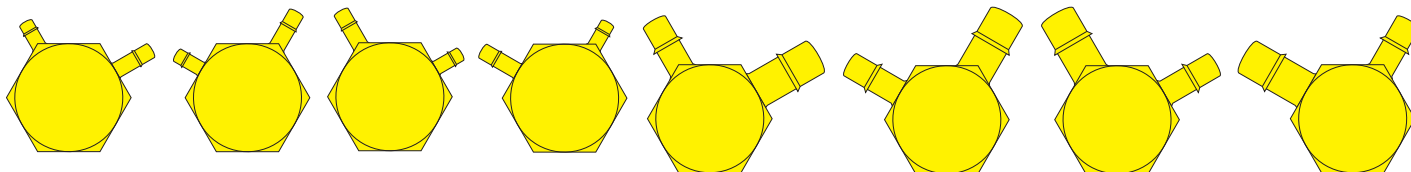
Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	3/4	9/16	7/16	Consult Factory Consult Factory
.040 / 1mm	.040	3/4	9/16	7/16	
3/64	.045	3/4	9/16	7/16	
.050	.050	3/4	9/16	7/16	
1/16	1	3/4	9/16	1/2	
5/64 / 2mm	2	3/4	9/16	1/2	
3/32	2 1/2	3/4	9/16	1/2	
1/8	3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

Material options listed below!

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

Thread Size	1/4	RVT	#	-	#	-	RH	-	90°	90° Indicator
Fitting Series			11 O'clock Branch #		2 O'clock Branch #		Right-Hand Indicator			



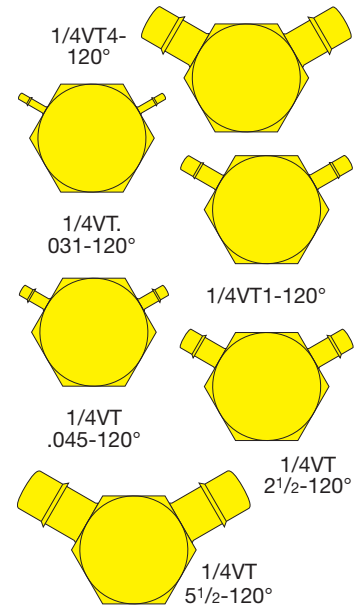
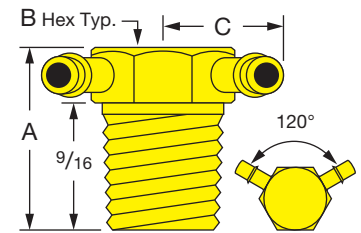
1/4RVT.050-1-RH-90° 1/4RVT.1-.050-LH-90° 1/4RVT1-.050-RH-90° 1/4RVT.050-1-LH-90° 1/4RVT3-5-RH-90° 1/4RVT5-3-LH-90° 1/4RVT5-3-RH-90° 1/4RVT3-5-LH-90°

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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1/4 NPT Male Pipe 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-SS-120°	1/4VT.031-316SS-120°	1/4VT.031-NP-120°	3/4	9/16	7/16
.040 / 1mm	1/4VT.040-120°	1/4VT.040-SS-120°	1/4VT.040-316SS-120°	1/4VT.040-NP-120°	3/4	9/16	7/16
3/64	1/4VT.045-120°	1/4VT.045-SS-120°	1/4VT.045-316SS-120°	1/4VT.045-NP-120°	3/4	9/16	7/16
.050	1/4VT.050-120°	1/4VT.050-SS-120°	1/4VT.050-316SS-120°	1/4VT.050-NP-120°	3/4	9/16	7/16
1/16	1/4VT1-120°	1/4VT1-SS-120°	1/4VT1-316SS-120°	1/4VT1-NP-120°	3/4	9/16	1/2
5/64 / 2mm	1/4VT2-120°	1/4VT2-SS-120°	1/4VT2-316SS-120°	1/4VT2-NP-120°	3/4	9/16	1/2
3/32	1/4VT2 1/2-120°	1/4VT2 1/2-SS-120°	1/4VT2 1/2-316SS-120°	1/4VT2 1/2-NP-120°	3/4	9/16	1/2
1/8	1/4VT3-120°	1/4VT3-SS-120°	1/4VT3-316SS-120°	1/4VT3-NP-120°	3/4	9/16	19/32
5/32 / 4mm	1/4VT3 1/2-120°	1/4VT3 1/2-SS-120°	1/4VT3 1/2-316SS-120°	1/4VT3 1/2-NP-120°	3/4	9/16	19/32
.170	1/4VT4-120°	1/4VT4-SS-120°	1/4VT4-316SS-120°	1/4VT4-NP-120°	3/4	9/16	5/8
3/16	1/4VT5-120°	1/4VT5-SS-120°	1/4VT5-316SS-120°	1/4VT5-NP-120°	3/4	9/16	21/32
7/32	1/4VT5 1/2-120°	1/4VT5 1/2-SS-120°	1/4VT5 1/2-316SS-120°	1/4VT5 1/2-NP-120°	3/4	9/16	21/32
6mm	1/4VT5 3/4-120°	1/4VT5 3/4-SS-120°	1/4VT5 3/4-316SS-120°	1/4VT5 3/4-NP-120°	7/8	9/16	25/32
1/4	1/4VT6-120°	1/4VT6-SS-120°	1/4VT6-316SS-120°	1/4VT6-NP-120°	7/8	9/16	25/32
5/8 / 8mm	1/4VT7-120°	1/4VT7-SS-120°	1/4VT7-316SS-120°	1/4VT7-NP-120°	15/16	5/8	29/32
3/8	1/4VT8-120°	1/4VT8-SS-120°	1/4VT8-316SS-120°	1/4VT8-NP-120°	1 17/64	5/8	27/32
1/2	1/4VT10-120°	1/4VT10-SS-120°	1/4VT10-316SS-120°	1/4VT10-NP-120°	1 17/64	5/8	1 1/32



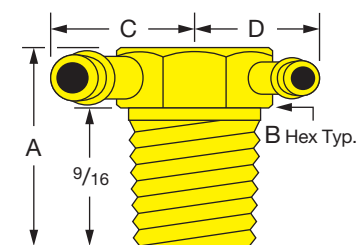
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1/4 NPT Male Pipe Thread to Tube Custom Reducing Left/Right-Hand 120° V-Tees

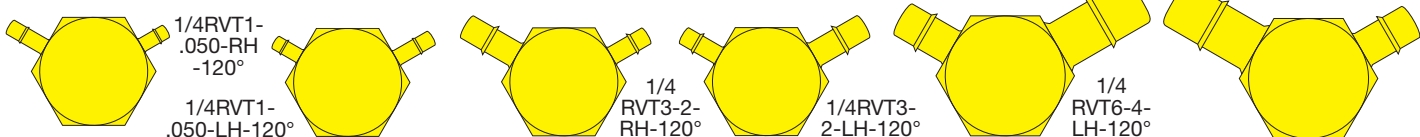
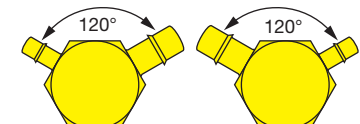
Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	3/4	9/16	7/16	7/16
.040 / 1mm	.040	3/4	9/16	7/16	7/16
3/64	.045	3/4	9/16	7/16	7/16
.050	.050	3/4	9/16	7/16	7/16
1/16	1	3/4	9/16	1/2	1/2
5/64 / 2mm	2	3/4	9/16	1/2	1/2
3/32	2 1/2	3/4	9/16	1/2	1/2
1/8	3	3/4	9/16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



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

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



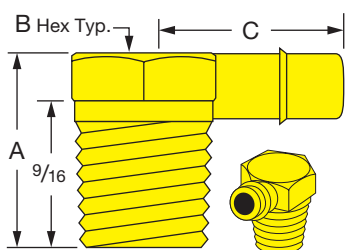
Material options listed on previous page!

Thread Size	1/4	RVT	#	-	#	-	LH/RH	-	120°	120° Indicator
		Fitting Series		Larger Branch #		Smaller Branch #		Left/Right-Hand Indicator		



1/4 NPT Male Pipe Thread to Tube Low Profile Elbow

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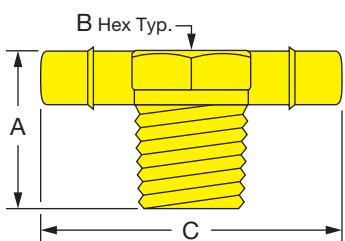


Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/4	1/4LB6-LP	1/4LB6-LP-SS	1/4LB6-LP-316SS	1/4LB6-LP-NP	3/16	7/16	9/16

Low Profile Fittings: #6 Branch with Smaller Hex Height!

1/4 NPT Male Pipe Thread to Tube Low Profile Tee

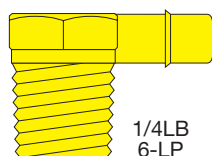
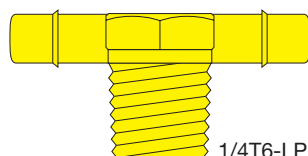
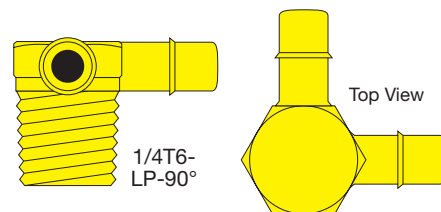
362



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

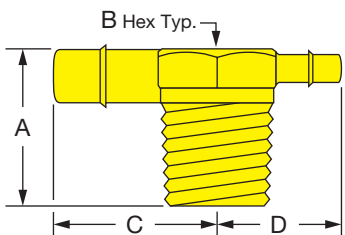
Note: Images are for visual representation only; not intended for dimensional measurements.

1/4 NPT Male Thread to Tube Low Profile 90° Tees also available! Consult factory for details!

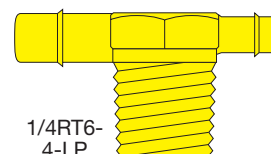
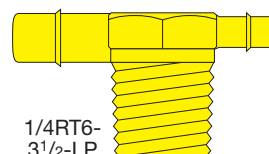
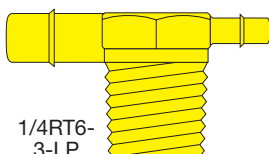
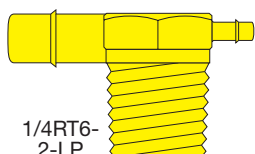
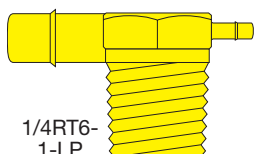
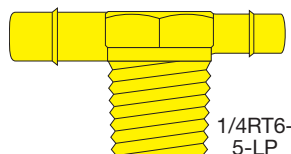
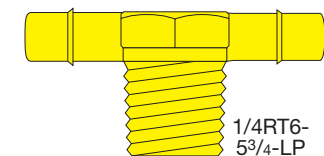


1/4 NPT Male Pipe Thread to Tube Low Profile Reducing Tees

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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	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

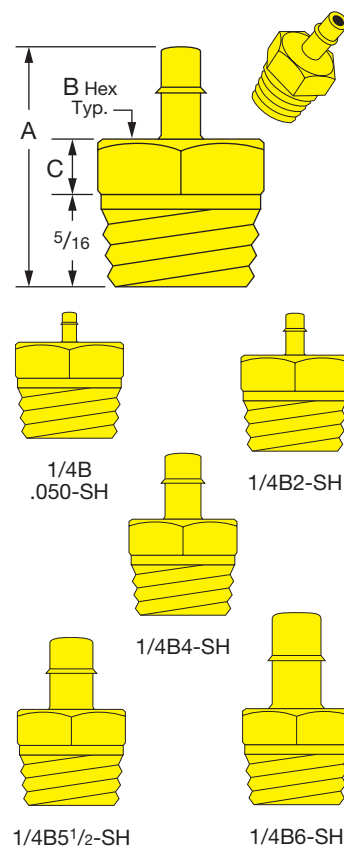


Custom 1/4 NPT Male Thread to Tube Low Profile Reducing 90° Tees also available! Consult factory for details!

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1/4 NPT Short Male Pipe 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		9/16	3/16
.040 / 1mm	1/4B.040	1/4B.040-SS	1/4B.040-316SS	N/A	1/4B.040-NP		9/16	3/16
3/64	1/4B.045	1/4B.045-SS	1/4B.045-316SS	N/A	1/4B.045-NP		9/16	3/16
.050	1/4B.050	1/4B.050-SS	1/4B.050-316SS	N/A	1/4B.050-NP		9/16	3/16
1/16	1/4B1	1/4B1-SS	1/4B1-316SS	1/4B1-AL	1/4B1-NP		9/16	3/16
5/64 / 2mm	1/4B2	1/4B2-SS	1/4B2-316SS	1/4B2-AL	1/4B2-NP		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		9/16	3/16
1/8	1/4B3	1/4B3-SS	1/4B3-316SS	1/4B3-AL	1/4B3-NP		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		9/16	3/16
.170	1/4B4	1/4B4-SS	1/4B4-316SS	1/4B4-AL	1/4B4-NP		9/16	3/16
3/16	1/4B5	1/4B5-SS	1/4B5-316SS	1/4B5-AL	1/4B5-NP		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		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		9/16	3/16
1/4	1/4B6	1/4B6-SS	1/4B6-316SS	1/4B6-AL	1/4B6-NP		9/16	3/16

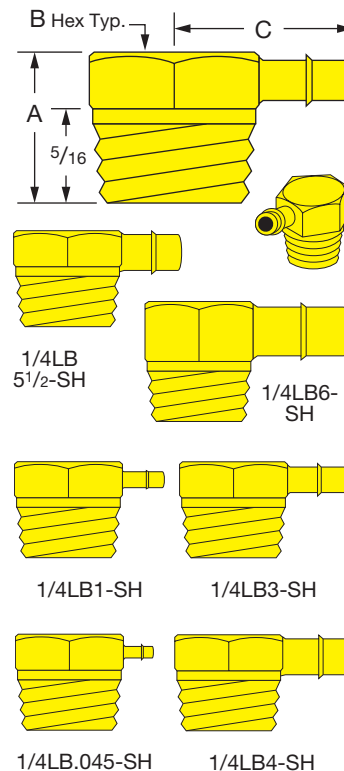


N

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1/4 NPT Short Male Pipe Thread to Tube Elbows

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/4LB.031-SH	1/4LB.031-SH-SS	1/4LB.031-SH-316SS	1/4LB.031-SH-NP	1/2	7/16	7/16
.040 / 1mm	1/4LB.040-SH	1/4LB.040-SH-SS	1/4LB.040-SH-316SS	1/4LB.040-SH-NP	1/2	7/16	7/16
3/64	1/4LB.045-SH	1/4LB.045-SH-SS	1/4LB.045-SH-316SS	1/4LB.045-SH-NP	1/2	7/16	7/16
.050	1/4LB.050-SH	1/4LB.050-SH-SS	1/4LB.050-SH-316SS	1/4LB.050-SH-NP	1/2	7/16	7/16
1/16	1/4LB1-SH	1/4LB1-SH-SS	1/4LB1-SH-316SS	1/4LB1-SH-NP	1/2	7/16	1/2
5/64 / 2mm	1/4LB2-SH	1/4LB2-SH-SS	1/4LB2-SH-316SS	1/4LB2-SH-NP	1/2	7/16	1/2
3/32	1/4LB2 1/2-SH	1/4LB2 1/2-SH-SS	1/4LB2 1/2-SH-316SS	1/4LB2 1/2-SH-NP	1/2	7/16	1/2
1/8	1/4LB3-SH	1/4LB3-SH-SS	1/4LB3-SH-316SS	1/4LB3-SH-NP	1/2	7/16	19/32
5/32 / 4mm	1/4LB3 1/2-SH	1/4LB3 1/2-SH-SS	1/4LB3 1/2-SH-316SS	1/4LB3 1/2-SH-NP	1/2	7/16	19/32
.170	1/4LB4-SH	1/4LB4-SH-SS	1/4LB4-SH-316SS	1/4LB4-SH-NP	1/2	7/16	5/8
3/16	1/4LB5-SH	1/4LB5-SH-SS	1/4LB5-SH-316SS	1/4LB5-SH-NP	9/16	7/16	21/32
7/32	1/4LB5 1/2-SH	1/4LB5 1/2-SH-SS	1/4LB5 1/2-SH-316SS	1/4LB5 1/2-SH-NP	9/16	7/16	21/32
6mm	1/4LB5 3/4-SH	1/4LB5 3/4-SH-SS	1/4LB5 3/4-SH-316SS	1/4LB5 3/4-SH-NP	7/8	7/16	25/32
1/4	1/4LB6-SH	1/4LB6-SH-SS	1/4LB6-SH-316SS	1/4LB6-SH-NP	7/8	7/16	25/32

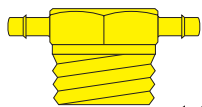
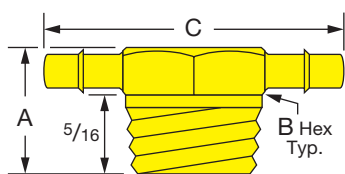


Note: Images are for visual representation only; not intended for dimensional measurements. Dimensions may vary at time of manufacturing. Consult factory for details.



1/4 NPT Short Male Pipe Thread to Tube Short Tees

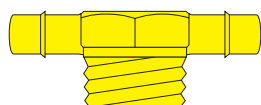
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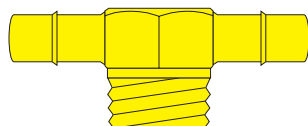
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1/4T.050-SH



1/4T5-SH

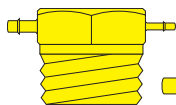
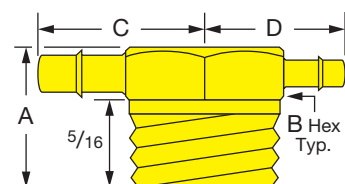


1/4T5 3/4-SH

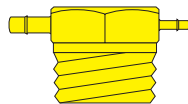
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/4T.031-SH	1/4T.031-SS-SH	1/4T.031-316SS-SH	1/4T.031-NP-SH	1/2	7/16	7/8
.040 / 1mm	1/4T.040-SH	1/4T.040-SS-SH	1/4T.040-316SS-SH	1/4T.040-NP-SH	1/2	7/16	7/8
3/64	1/4T.045-SH	1/4T.045-SS-SH	1/4T.045-316SS-SH	1/4T.045-NP-SH	1/2	7/16	7/8
.050	1/4T.050-SH	1/4T.050-SS-SH	1/4T.050-316SS-SH	1/4T.050-NP-SH	1/2	7/16	7/8
1/16	1/4T1-SH	1/4T1-SS-SH	1/4T1-316SS-SH	1/4T1-NP-SH	1/2	7/16	1
5/64 / 2mm	1/4T2-SH	1/4T2-SS-SH	1/4T2-316SS-SH	1/4T2-NP-SH	1/2	7/16	1
3/32	1/4T2 1/2-SH	1/4T2 1/2-SS-SH	1/4T2 1/2-316SS-SH	1/4T2 1/2-NP-SH	1/2	7/16	1
1/8	1/4T3-SH	1/4T3-SS-SH	1/4T3-316SS-SH	1/4T3-NP-SH	1/2	7/16	1 3/16
5/32 / 4mm	1/4T3 1/2-SH	1/4T3 1/2-SS-SH	1/4T3 1/2-316SS-SH	1/4T3 1/2-NP-SH	1/2	7/16	1 3/16
.170	1/4T4-SH	1/4T4-SS-SH	1/4T4-316SS-SH	1/4T4-NP-SH	1/2	7/16	1 1/4
3/16	1/4T5-SH	1/4T5-SS-SH	1/4T5-316SS-SH	1/4T5-NP-SH	9/16	7/16	1 5/16
7/32	1/4T5 1/2-SH	1/4T5 1/2-SS-SH	1/4T5 1/2-316SS-SH	1/4T5 1/2-NP-SH	9/16	7/16	1 5/16
6mm	1/4T5 3/4-SH	1/4T5 3/4-SS-SH	1/4T5 3/4-316SS-SH	1/4T5 3/4-NP-SH	7/8	7/16	1 9/16
1/4	1/4T6-SH	1/4T6-SS-SH	1/4T6-316SS-SH	1/4T6-NP-SH	7/8	7/16	1 9/16

1/4 NPT Short Male Pipe Thread to Tube Reducing Tees

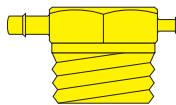
367



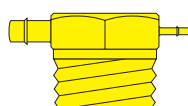
1/4RT.045-.031-SH



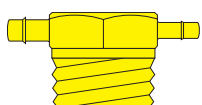
1/4RT1-.040-SH



1/4RT2-.045-SH



1/4RT2 1/2-.031-SH

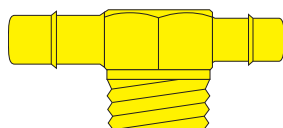


1/4RT2 1/2-1-SH

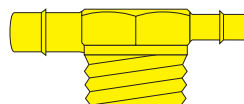
Note: Images are for visual representation only; not intended for dimensional measurements.

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

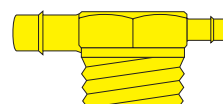
Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/8	3	1/4	7/16	17/32	17/32
5/32 / 4mm	3 1/2	1/4	7/16	17/32	17/32
.170	4	1/4	7/16	9/16	9/16
3/16	5	1/4	7/16	19/32	19/32
7/32	5 1/2	1/4	7/16	19/32	19/32
6mm	5 3/4	5/16	7/16	23/32	23/32
1/4	6	5/16	7/16	23/32	23/32



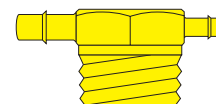
1/4RT6-5 1/2-SH



1/4RT5-3-SH



1/4RT4-2 1/2-SH



1/4RT3-2-SH

Part Numbers for 1/4 NPT Short Male Pipe Thread to Tube Reducing Tees:

Thread Size	→ 1/4	RT	#	-	#	-	SH	Short Thread 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

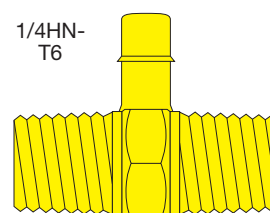
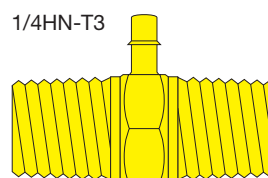
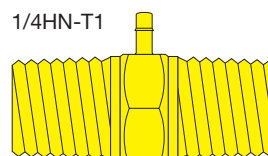
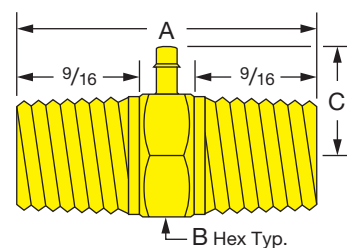
-316SS = Stainless Steel 316

-NP = Electroless Nickel Plate

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1/4 NPT Male Pipe Thread Nipples with Tube Branches: Tees

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/4HN-T.031	1/4HN-T.031-SS	1/4HN-T.031-316SS	1/4HN-T.031-NP	1 3/8	9/16	7/16
.040 / 1mm	1/4HN-T.040	1/4HN-T.040-SS	1/4HN-T.040-316SS	1/4HN-T.040-NP	1 3/8	9/16	7/16
3/64	1/4HN-T.045	1/4HN-T.045-SS	1/4HN-T.045-316SS	1/4HN-T.045-NP	1 3/8	9/16	7/16
.050	1/4HN-T.050	1/4HN-T.050-SS	1/4HN-T.050-316SS	1/4HN-T.050-NP	1 3/8	9/16	7/16
1/16	1/4HN-T1	1/4HN-T1-SS	1/4HN-T1-316SS	1/4HN-T1-NP	1 3/8	9/16	1/2
5/64 / 2mm	1/4HN-T2	1/4HN-T2-SS	1/4HN-T2-316SS	1/4HN-T2-NP	1 3/8	9/16	1/2
3/32	1/4HN-T2 1/2	1/4HN-T2 1/2-SS	1/4HN-T2 1/2-316SS	1/4HN-T2 1/2-NP	1 3/8	9/16	1/2
1/8	1/4HN-T3	1/4HN-T3-SS	1/4HN-T3-316SS	1/4HN-T3-NP	1 3/8	9/16	19/32
5/32 / 4mm	1/4HN-T3 1/2	1/4HN-T3 1/2-SS	1/4HN-T3 1/2-316SS	1/4HN-T3 1/2-NP	1 3/8	9/16	19/32
.170	1/4HN-T4	1/4HN-T4-SS	1/4HN-T4-316SS	1/4HN-T4-NP	1 3/8	9/16	5/8
3/16	1/4HN-T5	1/4HN-T5-SS	1/4HN-T5-316SS	1/4HN-T5-NP	1 3/8	9/16	21/32
7/32	1/4HN-T5 1/2	1/4HN-T5 1/2-SS	1/4HN-T5 1/2-316SS	1/4HN-T5 1/2-NP	1 3/8	9/16	21/32
6mm	1/4HN-T5 3/4	1/4HN-T5 3/4-SS	1/4HN-T5 3/4-316SS	1/4HN-T5 3/4-NP	1 3/8	9/16	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
5/8 / 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		

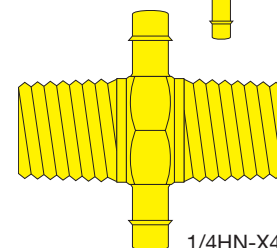
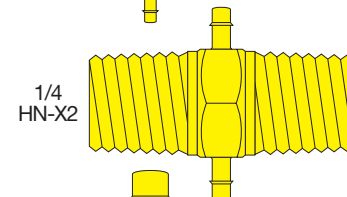
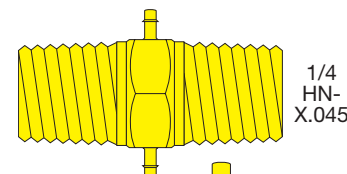
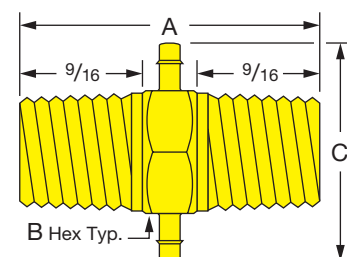


N

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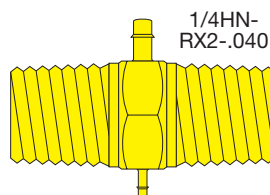
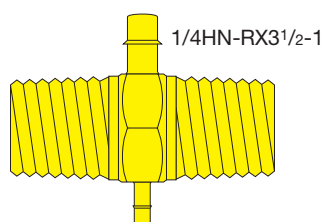
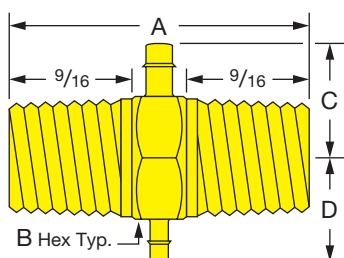
1/4 NPT Male Pipe Thread Nipples with Tube Branches: Crosses

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	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 1/16
.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 5/16
1/4	1/4HN-X6	1/4HN-X6-SS	1/4HN-X6-316SS	1/4HN-X6-NP	1 3/8	9/16	1 5/16
5/8 / 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 Pipe Thread Nipples with Tube Branches: Reducing Crosses

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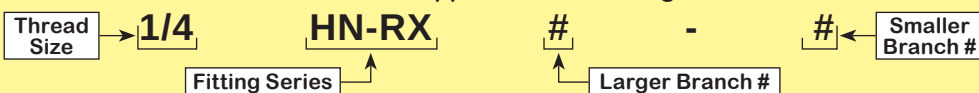


Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	1 3/8	9/16	Consult Factory	Consult Factory
.040 / 1mm	.040	1 3/8	9/16		
3/64	.045	1 3/8	9/16		
.050	.050	1 3/8	9/16		
1/16	1	1 3/8	9/16		
5/64 / 2mm	2	1 3/8	9/16		
3/32	2 1/2	1 3/8	9/16		
1/8	3	1 3/8	9/16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

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
.170	4	1⅜	⅝	Factory	Factory
⅜	5	1⅜	⅝	Factory	Factory
7/32	5½	1⅜	⅝	Consult	Consult
6mm	5¾	1⅜	⅝	Consult	Consult
¼	6	1⅜	⅝	Factory	Factory
⅝ / 8mm	7	Consult Factory		Factory	Factory
⅜	8	Consult Factory		Consult	Consult
½	10	Consult Factory		Consult	Consult

Orifices options on page 445!

Part Numbers for 1/4 NPT Nipples with Reducing Cross Branches:



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

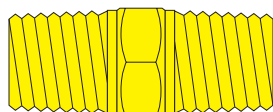
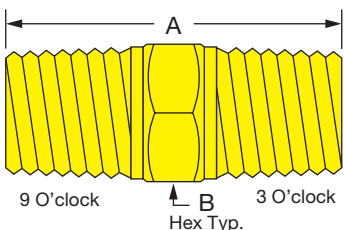
-SS = Stainless Steel 303

-316SS = Stainless Steel 316

-NP = Electroless Nickel Plate

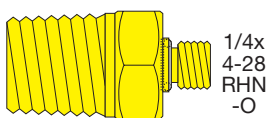
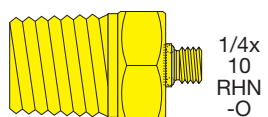
1/4 NPT Male Pipe Thread Hex Nipple & Reducing Hex Nipples

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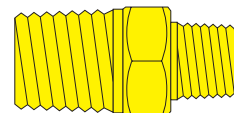
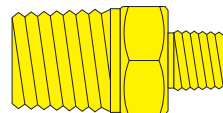
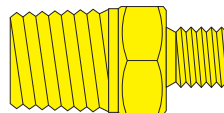
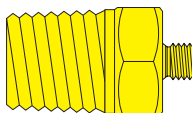
1/4HN

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



O-ring material options on pg 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.
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	10-32	1/4x10-RHN	1/4x10-RHN-SS	1/4x10-RHN-316SS	1/4x10-RHN-AL	1/4x10-RHN-NP	Consult Factory	Consult Factory
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	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	Consult Factory	Consult Factory
1/4 NPT	M10x1.25	1/4xM10x1.25-RHN	1/4xM10x1.25-RHN-SS	1/4xM10x1.25-RHN-316SS	1/4xM10x1.25-RHN-AL	1/4xM10x1.25-RHN-NP		
1/4 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	1/8 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



1/4x10-RHN

1/4xM8x1-RHN

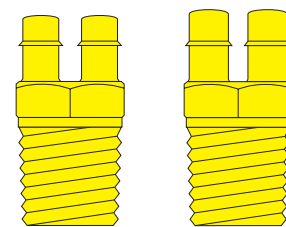
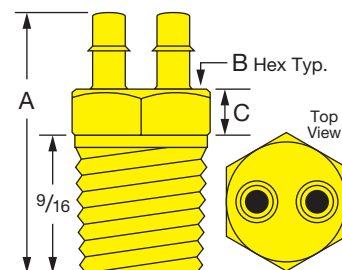
1/4x1/16-RHN

1/4x1/8-RHN

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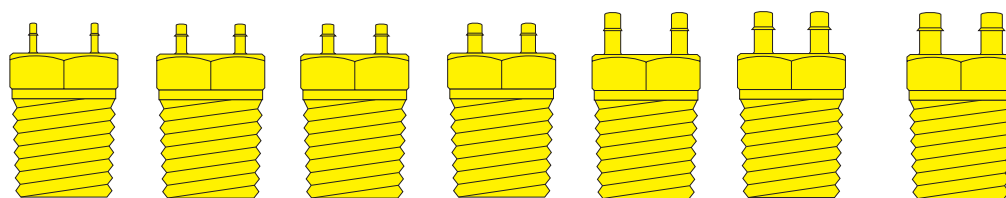
1/4 NPT Male Pipe Thread Straight Manifolds with 2 Branches

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 / ₂ x2	1/4B2 ¹ / ₂ x2-SS	1/4B2 ¹ / ₂ x2-316SS	1/4B2 ¹ / ₂ x2-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 / ₂ x2	1/4B3 ¹ / ₂ x2-SS	1/4B3 ¹ / ₂ x2-316SS	1/4B3 ¹ / ₂ x2-NP	1 1/16	9/16	3/16
.170	1/4B4x2	1/4B4x2-SS	1/4B4x2-316SS	1/4B4x2-NP	1 3/32	9/16	3/16
3/8	1/4B5x2	1/4B5x2-SS	1/4B5x2-316SS	1/4B5x2-NP	1 1/8	9/16	3/16



1/4B4x2

1/4B5x2



1/4B.031x2

1/4B.040x2

1/4B.045x2

1/4B.050x2

1/4B1x2

1/4B2x2

1/4B2¹/₂x2

1/4B3x2

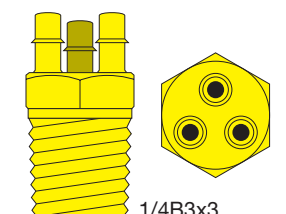
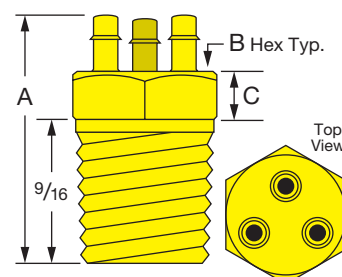
1/4B3¹/₂x2

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

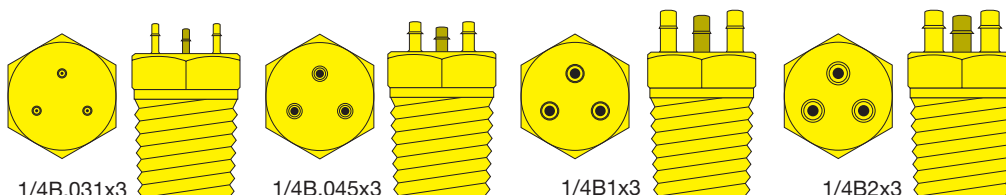
373

1/4 NPT Male Pipe 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 / ₂ x3	1/4B2 ¹ / ₂ x3-SS	1/4B2 ¹ / ₂ x3-316SS	1/4B2 ¹ / ₂ x3-NP	31/32	9/16	3/16
1/8	1/4B3x3	1/4B3x3-SS	1/4B3x3-316SS	1/4B3x3-NP	1 1/16	9/16	3/16



1/4B3x3



1/4B.031x3

1/4B.045x3

1/4B1x3

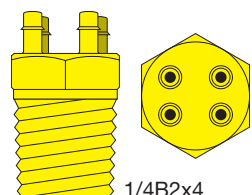
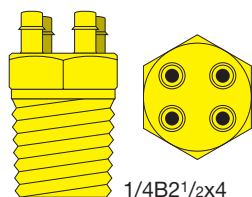
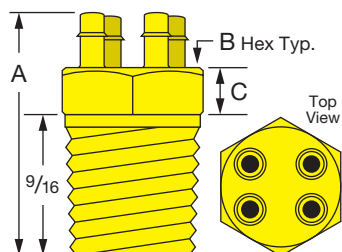
1/4B2x3

1/4B2¹/₂x3

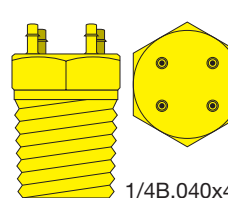
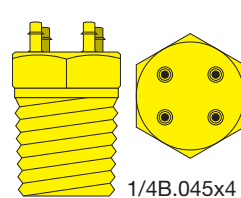
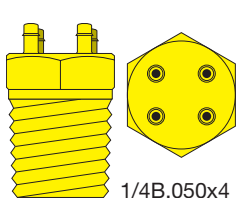
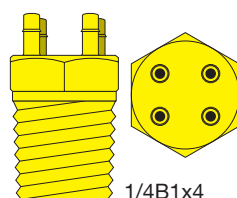


1/4 NPT Male Pipe Thread Straight Manifolds with 4 Branches

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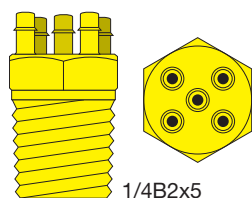
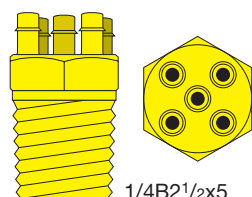
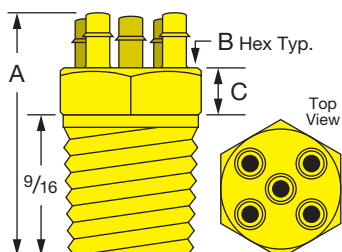


Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/4B.031x4	1/4B.031x4-SS	1/4B.031x4-316SS	1/4B.031x4-NP	29/32	9/16	3/16
.040 / 1mm	1/4B.040x4	1/4B.040x4-SS	1/4B.040x4-316SS	1/4B.040x4-NP	29/32	9/16	3/16
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

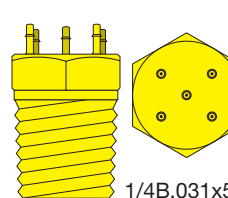
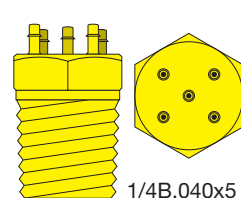
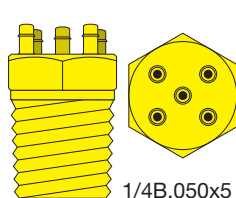
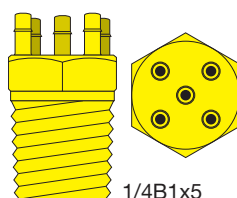


1/4 NPT Male Pipe Thread Straight Manifolds with 5 Branches

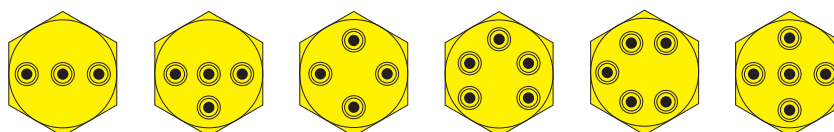
375



Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/4B.031x5	1/4B.031x5-SS	1/4B.031x5-316SS	1/4B.031x5-NP	29/32	9/16	3/16
.040 / 1mm	1/4B.040x5	1/4B.040x5-SS	1/4B.040x5-316SS	1/4B.040x5-NP	29/32	9/16	3/16
3/64	1/4B.045x5	1/4B.045x5-SS	1/4B.045x5-316SS	1/4B.045x5-NP	29/32	9/16	3/16
.050	1/4B.050x5	1/4B.050x5-SS	1/4B.050x5-316SS	1/4B.050x5-NP	29/32	9/16	3/16
1/16	1/4B1x5	1/4B1x5-SS	1/4B1x5-316SS	1/4B1x5-NP	31/32	9/16	3/16
5/64 / 2mm	1/4B2x5	1/4B2x5-SS	1/4B2x5-316SS	1/4B2x5-NP	31/32	9/16	3/16
3/32	1/4B2 1/2 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



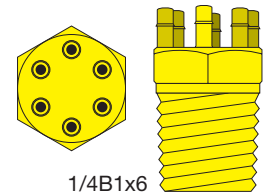
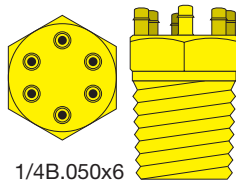
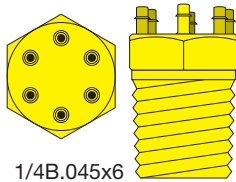
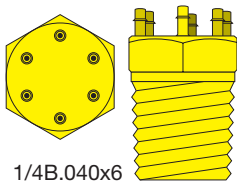
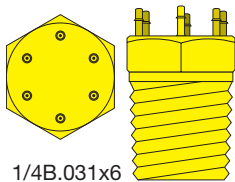
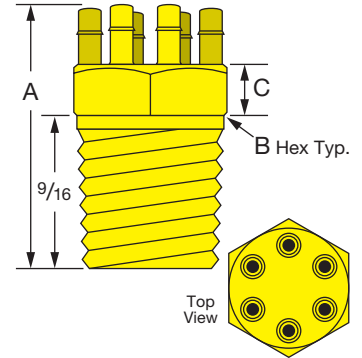
Customize your straight manifolds with alternate branch locations!!
Use the template on page 203 to indicate branch placement!



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1/4 NPT Male Pipe 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

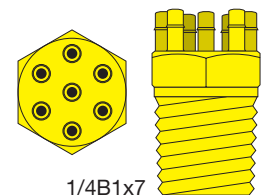
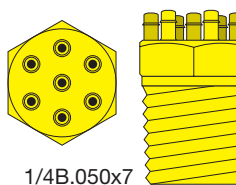
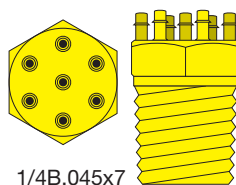
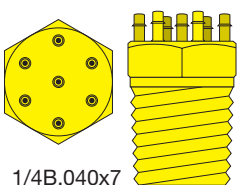
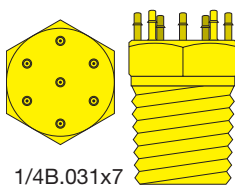
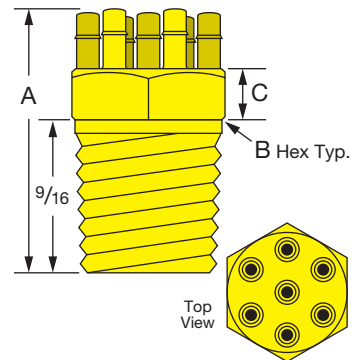


N

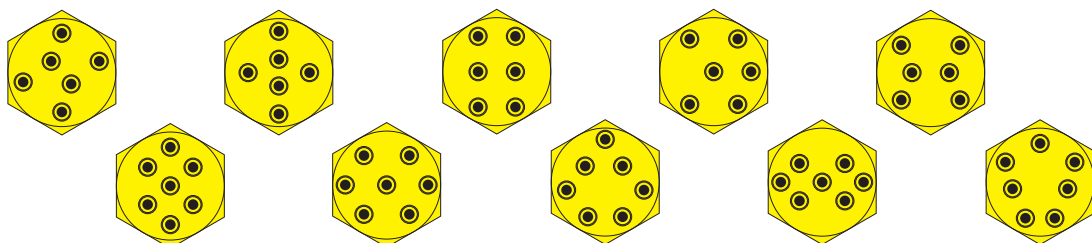
377

1/4 NPT Male Pipe 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



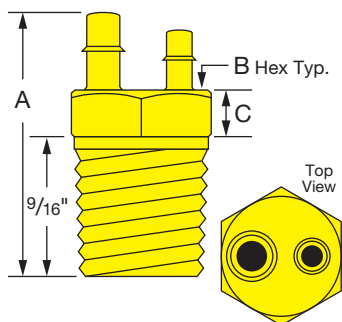
Customize your straight manifolds with alternate branch locations!!
Use the template on page 203 to indicate branch placement!





1/4 NPT Male Pipe Thread Straight Reducing Manifolds with 2 Branches

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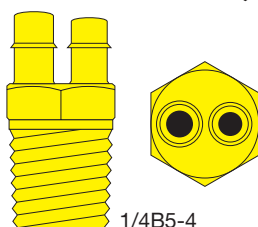
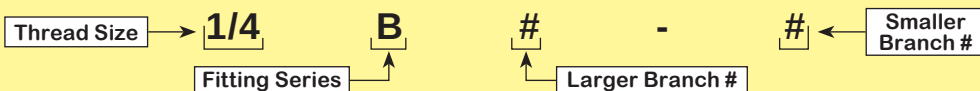


Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/32	.031	29/32	9/16	3/16
.040 / 1mm	.040	29/32	9/16	3/16
3/64	.045	29/32	9/16	3/16
.050	.050	29/32	9/16	3/16
1/16	1	31/32	9/16	3/16
5/64 / 2mm	2	31/32	9/16	3/16

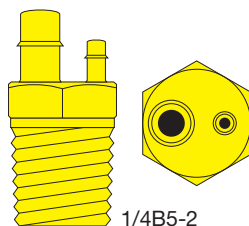
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
3/32	2 1/2	31/32	9/16	3/16
1/8	3	1 1/16	9/16	3/16
5/32 / 4mm	3 1/2	1 1/16	9/16	3/16
.170	4	1 3/32	9/16	3/16
3/16	5	1 1/8	9/16	3/16

Material options listed on below!

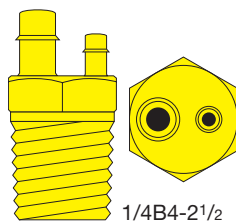
Part Numbers for 1/4 NPT Male Pipe Thread Reducing Manifolds with 2 Branches:



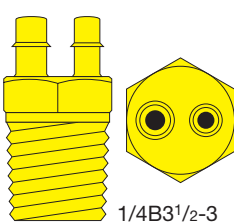
1/4B5-4



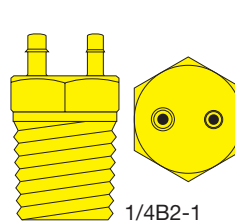
1/4B5-2



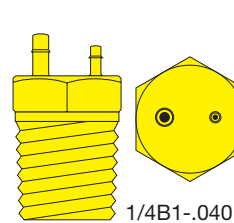
1/4B4-2 1/2



1/4B3 1/2-3



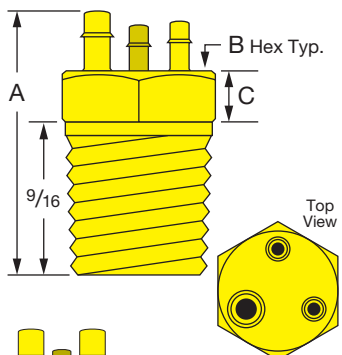
1/4B2-1



1/4B1-.040

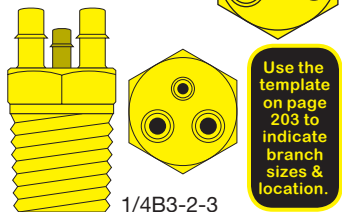
1/4 NPT Male Pipe Thread Straight Reducing Manifolds with 3 Branches

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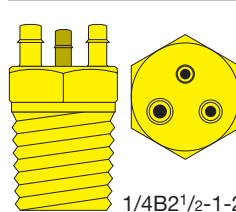
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/32	.031	29/32	9/16	3/16
.040 / 1mm	.040	29/32	9/16	3/16
3/64	.045	29/32	9/16	3/16
.050	.050	29/32	9/16	3/16

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

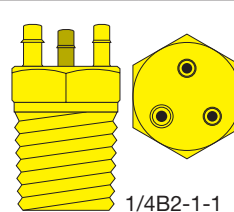


1/4B3-2-3

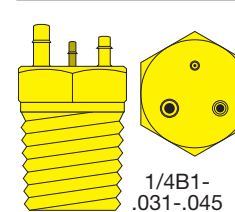
Use the template on page 203 to indicate branch sizes & location.



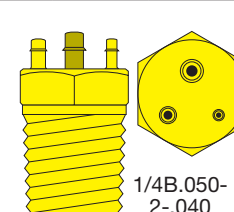
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1/4B2-1

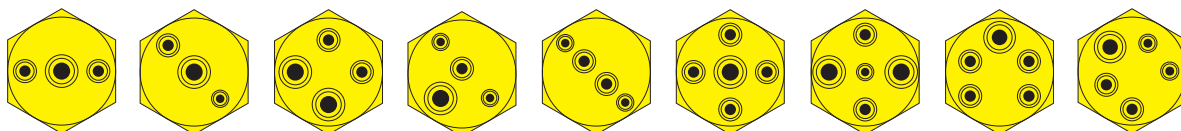


1/4B1-.031-.045



1/4B.050-2-.040

Customize your straight manifolds with alternate branch locations!!



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

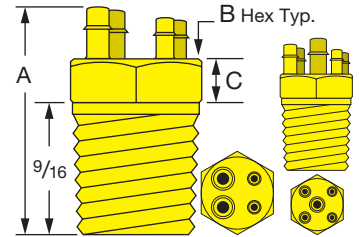
-NP = Electroless Nickel Plate

380 1/4 NPT Male Pipe Thread Straight Reducing Manifolds with 4 or 5 Branches

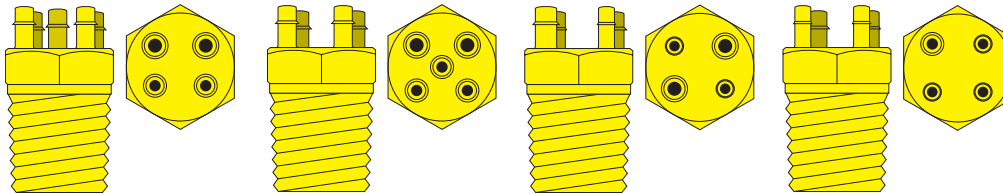
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/32	.031	29/32	9/16	3/16
.040 / 1mm	.040	29/32	9/16	3/16
3/64	.045	29/32	9/16	3/16
.050	.050	29/32	9/16	3/16

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 listed on previous page!



Template required for branch configuration. See below!

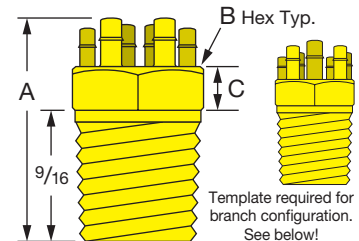


381 1/4 NPT Male Pipe Thread Straight Reducing Manifolds with 6 or 7 Branches

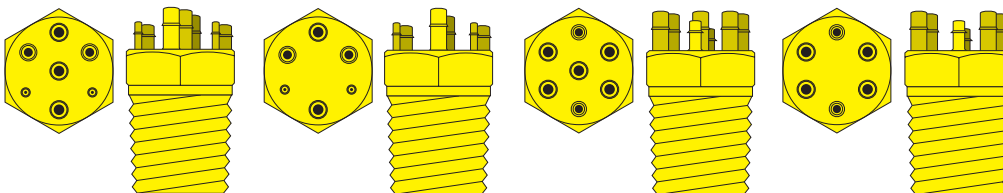
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/32	.031	29/32	9/16	3/16
.040 / 1mm	.040	29/32	9/16	3/16
3/64	.045	29/32	9/16	3/16

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

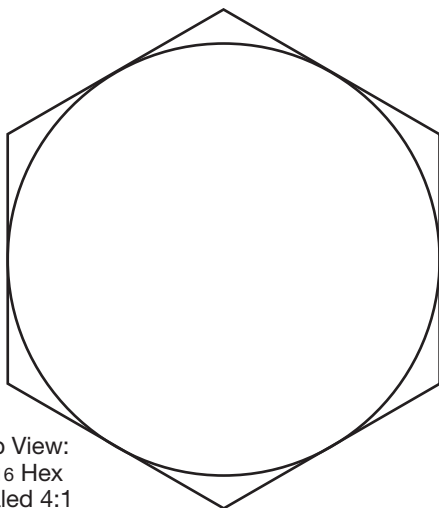
Material options listed on previous page!



Template required for branch configuration. See below!



1/4 NPT Male Thread Straight Manifold Template for Branch Sizes and Locations



Top View:
9/16 Hex
Scaled 4:1

To Use:

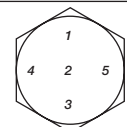
Indicate the desired location of each branch by writing the numbers 1 through 7 (1 = 1st Branch, etc.) on the diagram on the left. Mark the coordinating Branch Number (size) in the chart below. Reference tables on pages 199-203 for Branch Numbers and Tube ID's. Upon receipt of this template, a part number* will be issued.

Consult factory for details!

Branch Numbers:

1st Branch (1) = _____ 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

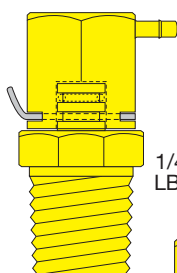
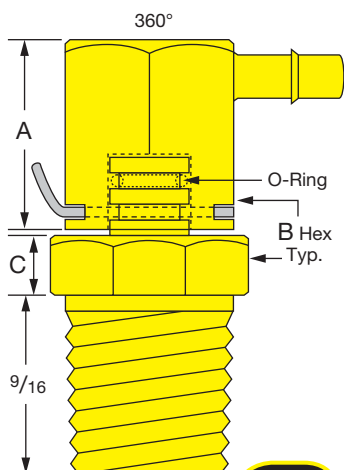
Part number: 1/4B2-2-2-1-1
 Two #2 Branches (1st, 2nd, 3rd)
 Two #1 Branches (4th, 5th)

*Part numbers will vary depending on branch configuration

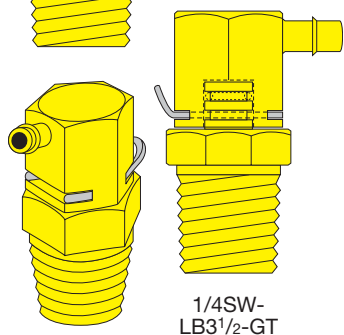


1/4 NPT Male Pipe Thread to Tube Swivel Elbows with Clip Groove

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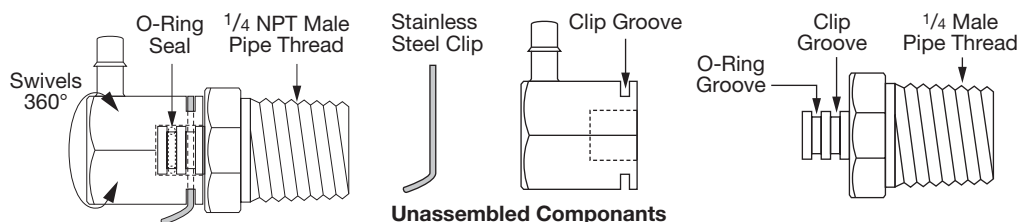
1/4SW-LB1-GT



1/4SW-LB3 1/2-GT

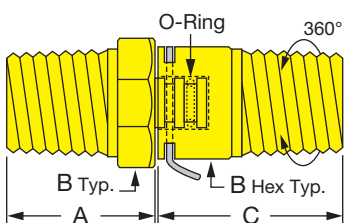
See GT Series for other Swivel options!!

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
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
1/4	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
5/8 / 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

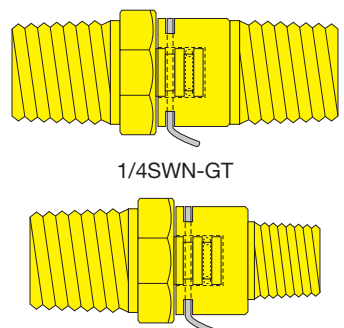


1/4 NPT Male Pipe Thread Swivel Nipples and Reducing Swivel Nipples

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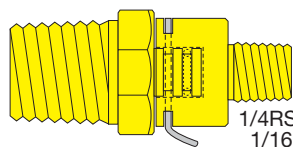


1/4SWN-GT

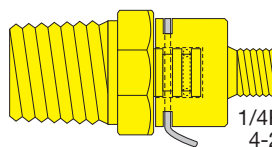


1/4RSWN-1/8-GT

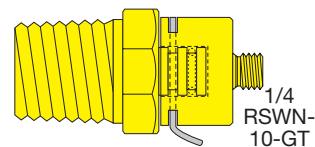
9 O'clock Thread Size	3 O'clock Thread Size	Part Numbers					Dimensions (Reference)		
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/4	1/4	1/4SWN-GT	1/4SWN-GT-SS	1/4SWN-GT-316SS	1/4SWN-GT-AL	1/4SWN-GT-NP	Consult Factory	Consult Factory	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	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	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	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



1/4RSWN-1/16-GT



1/4RSWN-4-28-GT

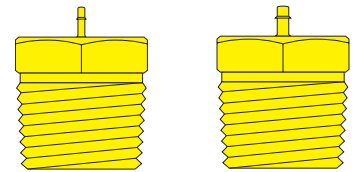
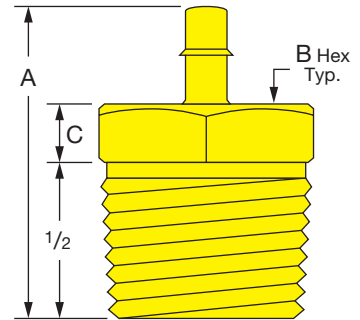


1/4RSWN-10-GT

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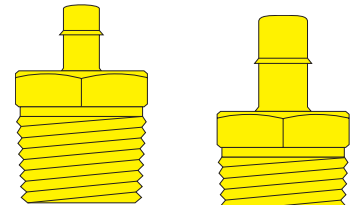
3/8 NPT Male Pipe Thread to Tube

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
5/8 / 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



3/8B.031

3/8B.045



3/8B4

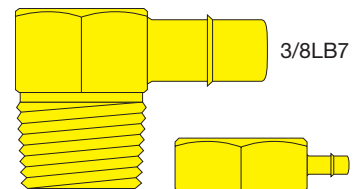
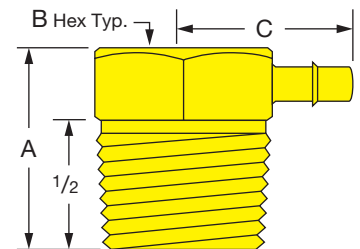
3/8B6

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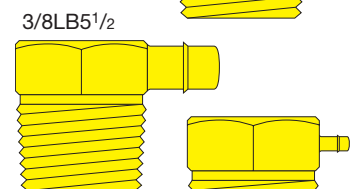
3/8 NPT Male Pipe Thread to Tube Elbows

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	2 1/32
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	2 1/32
.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	2 3/32
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	2 3/32
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
3/8	3/8LB6	3/8LB6-SS	3/8LB6-316SS	3/8LB6-NP	15/16	1 1/16	27/32
5/8 / 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



3/8LB2

3/8LB7



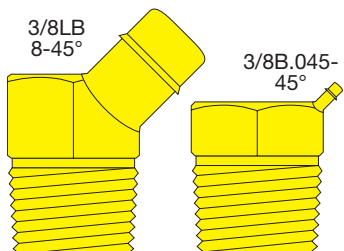
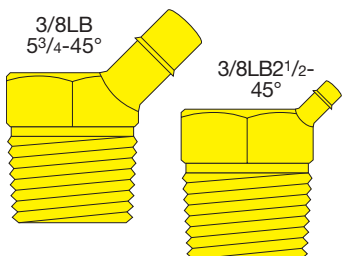
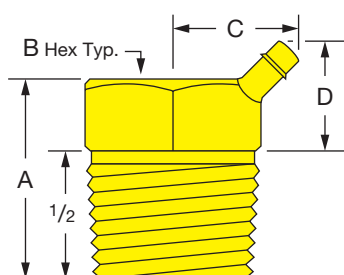
3/8LB.050

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



3/8 NPT Male Pipe Thread to Tube 45° Elbows

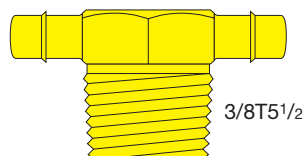
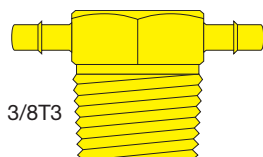
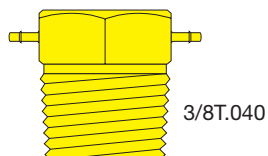
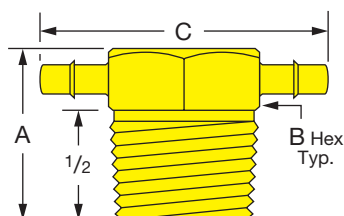
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Tube ID	Part Numbers				Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/32	3/8LB.031-45°	3/8LB.031-45°-SS	3/8LB.031-45°-316SS	3/8LB.031-45°-NP	25/32	1 1/16	Consult Factory	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	1 1/16	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	1 1/16	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	1 1/16	Consult Factory	Consult Factory
1/16	3/8LB1-45°	3/8LB1-45°-SS	3/8LB1-45°-316SS	3/8LB1-45°-NP	25/32	1 1/16	Consult Factory	Consult Factory
5/64 / 2mm	3/8LB2-45°	3/8LB2-45°-SS	3/8LB2-45°-316SS	3/8LB2-45°-NP	25/32	1 1/16	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	1 1/16	Consult Factory	Consult Factory
1/8	3/8LB3-45°	3/8LB3-45°-SS	3/8LB3-45°-316SS	3/8LB3-45°-NP	25/32	1 1/16	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	1 1/16	Consult Factory	Consult Factory
.170	3/8LB4-45°	3/8LB4-45°-SS	3/8LB4-45°-316SS	3/8LB4-45°-NP	25/32	1 1/16	Consult Factory	Consult Factory
3/16	3/8LB5-45°	3/8LB5-45°-SS	3/8LB5-45°-316SS	3/8LB5-45°-NP	25/32	1 1/16	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	1 1/16	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	1 1/16	Consult Factory	Consult Factory
1/4	3/8LB6-45°	3/8LB6-45°-SS	3/8LB6-45°-316SS	3/8LB6-45°-NP	15/16	1 1/16	Consult Factory	Consult Factory
5/8 / 8mm	3/8LB7-45°	3/8LB7-45°-SS	3/8LB7-45°-316SS	3/8LB7-45°-NP	15/16	1 1/16	Consult Factory	Consult Factory
3/8	3/8LB8-45°	3/8LB8-45°-SS	3/8LB8-45°-316SS	3/8LB8-45°-NP	15/16	1 1/16	Consult Factory	Consult Factory
1/2	3/8LB10-45°	3/8LB10-45°-SS	3/8LB10-45°-316SS	3/8LB10-45°-NP	1 1/8	1 1/16	Consult Factory	Consult Factory

3/8 NPT Male Pipe Thread to Tube Tees

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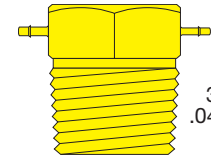
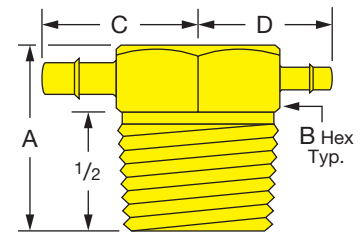
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	3/8T.031	3/8T.031-SS	3/8T.031-316SS	3/8T.031-NP	25/32	1 1/16	1 1/16
.040 / 1mm	3/8T.040	3/8T.040-SS	3/8T.040-316SS	3/8T.040-NP	25/32	1 1/16	1 1/16
3/64	3/8T.045	3/8T.045-SS	3/8T.045-316SS	3/8T.045-NP	25/32	1 1/16	1 1/16
.050	3/8T.050	3/8T.050-SS	3/8T.050-316SS	3/8T.050-NP	25/32	1 1/16	1 1/16
1/16	3/8T1	3/8T1-SS	3/8T1-316SS	3/8T1-NP	25/32	1 1/16	1 3/16
5/64 / 2mm	3/8T2	3/8T2-SS	3/8T2-316SS	3/8T2-NP	25/32	1 1/16	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	1 1/16	1 3/16
1/8	3/8T3	3/8T3-SS	3/8T3-316SS	3/8T3-NP	25/32	1 1/16	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	1 1/16	1 5/16
.170	3/8T4	3/8T4-SS	3/8T4-316SS	3/8T4-NP	25/32	1 1/16	1 3/8
3/16	3/8T5	3/8T5-SS	3/8T5-316SS	3/8T5-NP	25/32	1 1/16	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	1 1/16	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	1 1/16	1 11/16
1/4	3/8T6	3/8T6-SS	3/8T6-316SS	3/8T6-NP	15/16	1 1/16	1 11/16
5/8 / 8mm	3/8T7	3/8T7-SS	3/8T7-316SS	3/8T7-NP	15/16	1 1/16	1 13/16
3/8	3/8T8	3/8T8-SS	3/8T8-316SS	3/8T8-NP	15/16	1 1/16	1 3/4
1/2	3/8T10	3/8T10-SS	3/8T10-316SS	3/8T10-NP	1 1/8	1 1/16	2 1/16

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

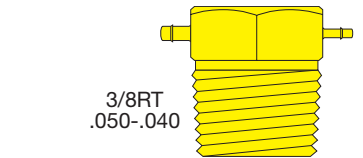
388

3/8 NPT Male Pipe Thread to Tube Reducing Tees

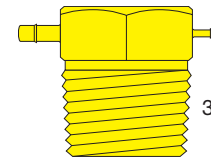
Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
.040 / 1mm	1/32	3/8RT.040-.031	3/8RT.040-.031-SS	3/8RT.040-.031-316SS	3/8RT.040-.031-NP	25/32	11/16	17/32	17/32
3/64	1/32	3/8RT.045-.031	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



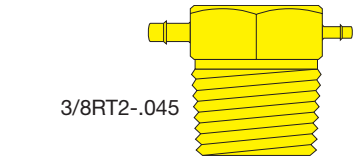
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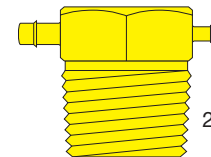
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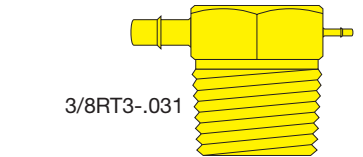
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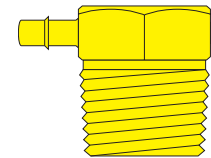
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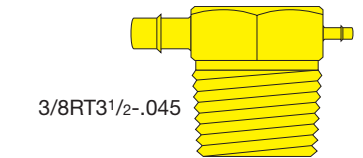
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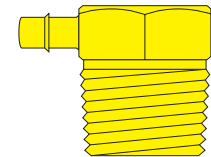
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3/8RT3-2



3/8RT3 1/2-.045



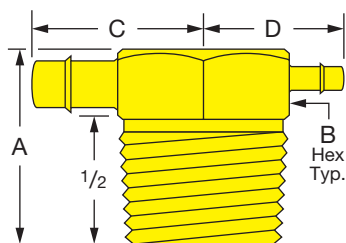
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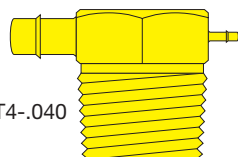


3/8 NPT Male Pipe Thread to Tube Reducing Tees

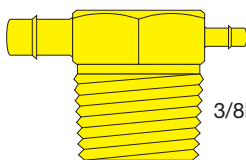
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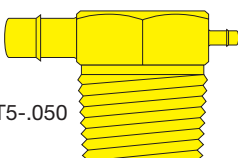
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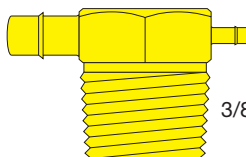
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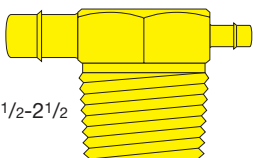
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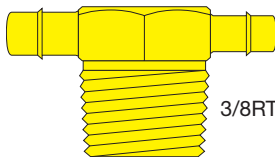
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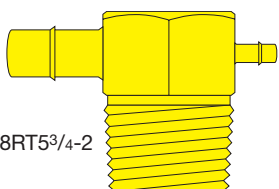
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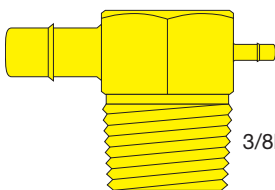
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3/8RT5 3/4-2



3/8RT6-1



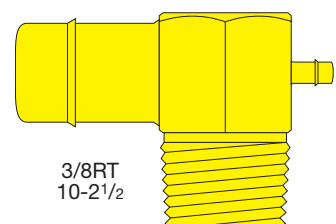
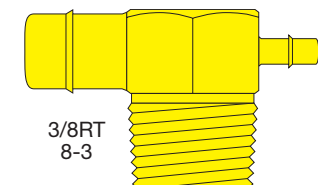
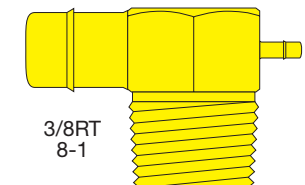
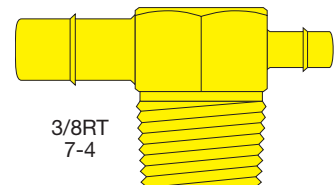
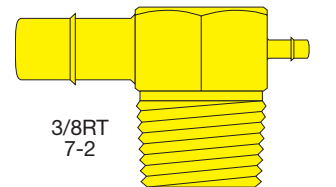
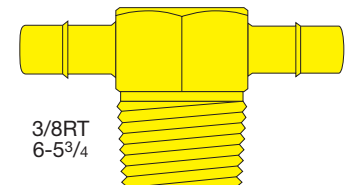
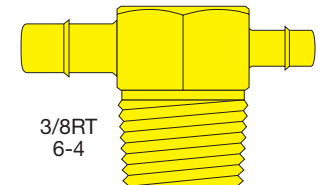
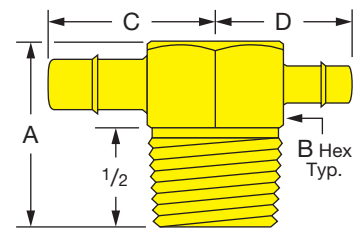
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Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
.170	1/32	3/8RT4-.031	3/8RT4-.031-SS	3/8RT4-.031-316SS	3/8RT4-.031-NP	25/32	1 1/16	1 1/16	17/32
.170	.040 / 1mm	3/8RT4-.040	3/8RT4-.040-SS	3/8RT4-.040-316SS	3/8RT4-.040-NP	25/32	1 1/16	1 1/16	17/32
.170	3/64	3/8RT4-.045	3/8RT4-.045-SS	3/8RT4-.045-316SS	3/8RT4-.045-NP	25/32	1 1/16	1 1/16	17/32
.170	.050	3/8RT4-.050	3/8RT4-.050-SS	3/8RT4-.050-316SS	3/8RT4-.050-NP	25/32	1 1/16	1 1/16	17/32
.170	1/16	3/8RT4-1	3/8RT4-1-SS	3/8RT4-1-316SS	3/8RT4-1-NP	25/32	1 1/16	1 1/16	19/32
.170	5/64 / 2mm	3/8RT4-2	3/8RT4-2-SS	3/8RT4-2-316SS	3/8RT4-2-NP	25/32	1 1/16	1 1/16	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	1 1/16	1 1/16	19/32
.170	1/8	3/8RT4-3	3/8RT4-3-SS	3/8RT4-3-316SS	3/8RT4-3-NP	25/32	1 1/16	1 1/16	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	1 1/16	1 1/16	21/32
3/16	1/32	3/8RT5-.031	3/8RT5-.031-SS	3/8RT5-.031-316SS	3/8RT5-.031-NP	25/32	1 1/16	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	1 1/16	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	1 1/16	23/32	17/32
3/16	.050	3/8RT5-.050	3/8RT5-.050-SS	3/8RT5-.050-316SS	3/8RT5-.050-NP	25/32	1 1/16	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	1 1/16	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	1 1/16	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	1 1/16	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	1 1/16	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	1 1/16	23/32	21/32
3/16	.170	3/8RT5-4	3/8RT5-4-SS	3/8RT5-4-316SS	3/8RT5-4-NP	25/32	1 1/16	23/32	1 1/16
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	1 1/16	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	1 1/16	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	1 1/16	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	1 1/16	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	1 1/16	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	1 1/16	23/32	1 1/16
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	1 1/16	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	1 1/16	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	1 1/16	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	1 1/16	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	1 1/16	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	1 1/16	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	1 1/16	27/32	1 1/16
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	1 1/16	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	1 1/16	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	1 1/16	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	1 1/16	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	1 1/16	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	1 1/16	27/32	21/32

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3/8 NPT Male Pipe 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.
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

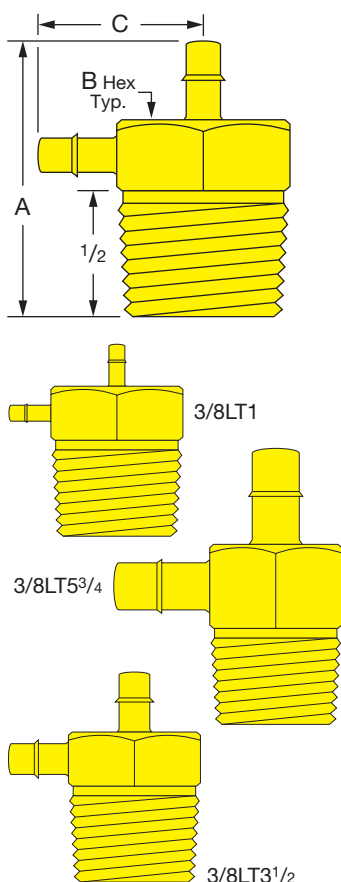


Note:
Dimensions may vary at time of manufacturing.
Consult Factory for Details!



3/8 NPT Male Pipe Thread to Tube L-Tees

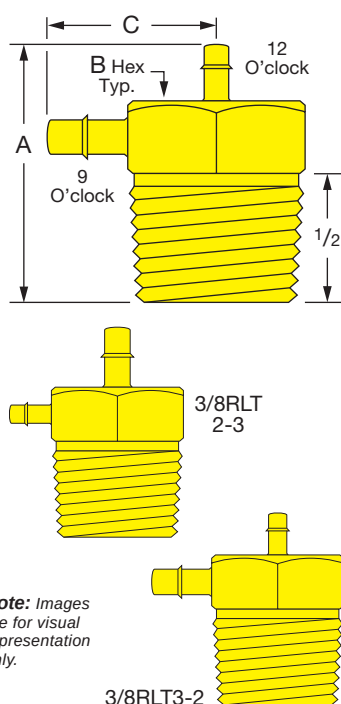
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Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	3/8LT.031	3/8LT.031-SS	3/8LT.031-316SS	3/8LT.031-NP	15/16	11/16	17/32
.040 / 1mm	3/8LT.040	3/8LT.040-SS	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
5/8 / 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 Pipe 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 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 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
5/8 / 8mm	7		11/16	29/32
3/8	8		11/16	7/8
1/2	10		11/16	1 1/32

Material options listed below!

Part Numbers for 3/8 Male Pipe Thread to Tube Reducing L-Tees:

Thread Size	3/8	RLT	#	-	#	12 O'clock Branch #
Fitting Series						9 O'clock Branch #

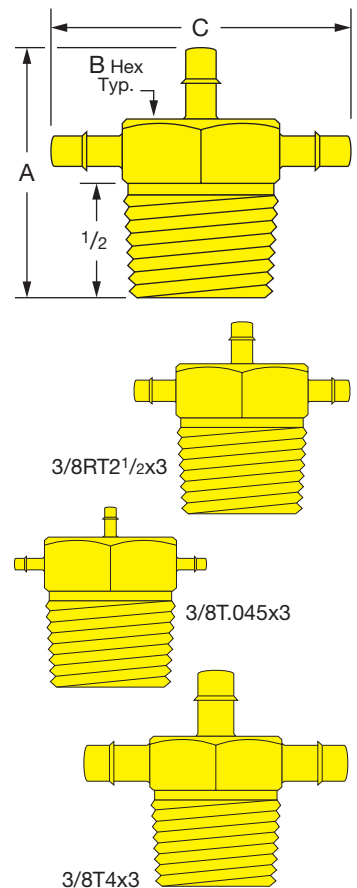
Note: Images are for visual representation only.

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 Pipe 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
5/8 / 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



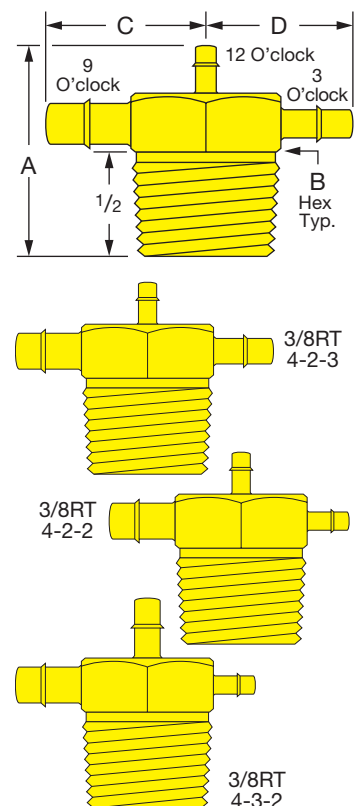
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3/8 NPT Male Pipe Thread to Tube Custom Reducing Tees x 3

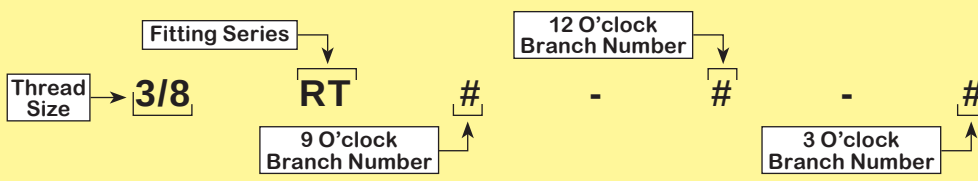
Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	Consult Factory	1 1/16	17/32	17/32
.040 / 1mm	.040		1 1/16	17/32	17/32
3/64	.045		1 1/16	17/32	17/32
.050	.050		1 1/16	17/32	17/32
1/16	1		1 1/16	19/32	19/32
5/64 / 2mm	2		1 1/16	19/32	19/32
3/32	2 1/2		1 1/16	19/32	19/32
1/8	3		1 1/16	2 1/32	2 1/32
5/32 / 4mm	3 1/2		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	Consult Factory	1 1/16	1 1/16	1 1/16
3/16	5		1 1/16	23/32	23/32
7/32	5 1/2		1 1/16	23/32	23/32
6mm	5 3/4		1 1/16	27/32	27/32
1/4	6		1 1/16	27/32	27/32
5/8 / 8mm	7		1 1/16	29/32	29/32
3/8	8		1 1/16	7/8	7/8
1/2	10		1 1/16	1 1/32	1 1/32

Material options listed on previous page!



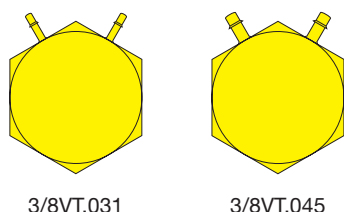
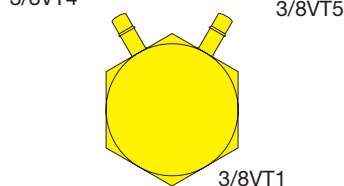
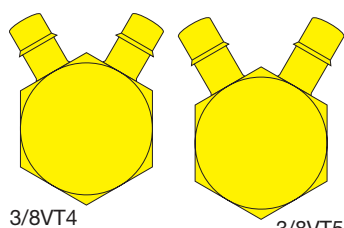
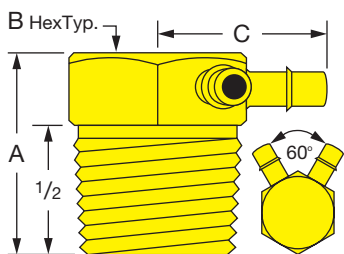
Part Numbers for 3/8 NPT Male Pipe Thread to Tube Reducing Tees x 3:





3/8 NPT Male Pipe Thread to Tube V-Tees

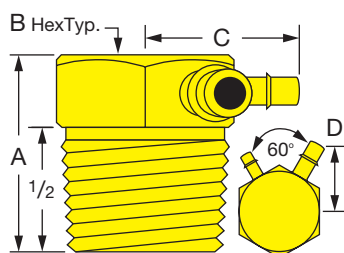
395



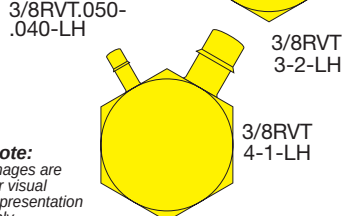
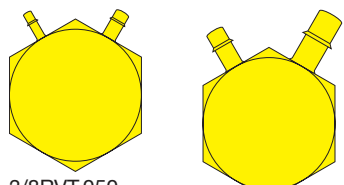
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	3/8VT.031	3/8VT.031-SS	3/8VT.031-316SS	3/8VT.031-NP	25/32	11/16	17/32
.040 / 1mm	3/8VT.040	3/8VT.040-SS	3/8VT.040-316SS	3/8VT.040-NP	25/32	11/16	17/32
3/64	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
5/8 / 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 Pipe Thread to Tube Custom Left-Hand Reducing V-Tees

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



Note:
Images are
for visual
representation
only.

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
5/8 / 8mm	7	15/16	11/16	29/32	29/32
3/8	8	15/16	11/16	7/8	7/8
1/2	10	1 1/8	11/16	1 1/32	1 1/32

Material options listed below!

Part Numbers for 3/8 NPT Male Pipe Thread to Tube Left-Hand Reducing V-Tees:

Thread Size	→ 3/8	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

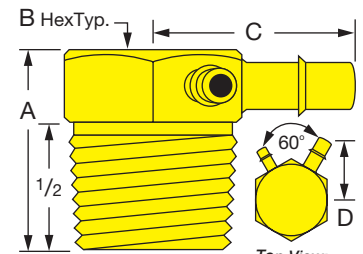
397

3/8 NPT Male Pipe Thread to Tube Custom Right-Hand Reducing V-Tees

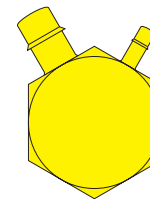
Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	25/32	1 1/16	17/32	17/32
.040 / 1mm	.040	25/32	1 1/16	17/32	17/32
3/64	.045	25/32	1 1/16	17/32	17/32
.050	.050	25/32	1 1/16	17/32	17/32
1/16	1	25/32	1 1/16	19/32	19/32
5/64 / 2mm	2	25/32	1 1/16	19/32	19/32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

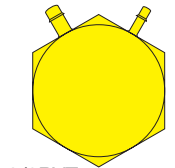
Material options listed on previous page!



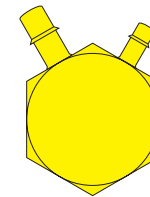
Top View:
Right-hand Reducing
VT's have the smaller
branch on the right.



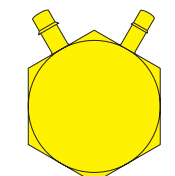
3/8RVT4-1-RH



3/8RVT
.050-.040-RH

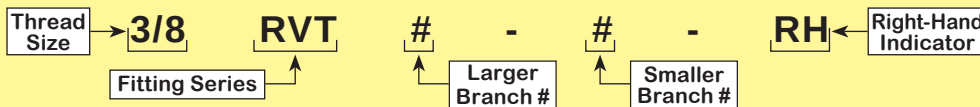


3/8RVT3-2-RH



3/8RVT2-1-RH

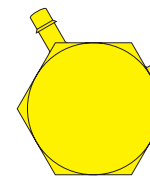
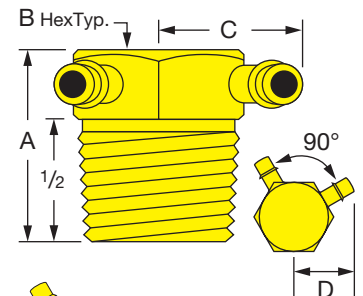
Part Numbers for 3/8 NPT Male Pipe Thread to Tube Right-Hand Reducing V-Tees:



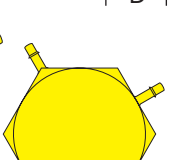
398

3/8 NPT Male Pipe Thread to Tube 90° V-Tees

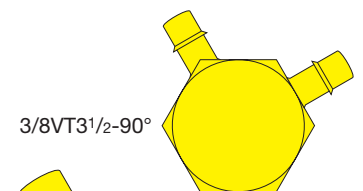
Tube ID	Part Numbers				Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/32	3/8VT.031-90°	3/8VT.031-90°-SS	3/8VT.031-90°-316SS	3/8VT.031-90°-NP	25/32	1 1/16	17/32	Consult Factory
.040 / 1mm	3/8VT.040-90°	3/8VT.040-90°-SS	3/8VT.040-90°-316SS	3/8VT.040-90°-NP	25/32	1 1/16	17/32	
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	
.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	
1/16	3/8VT1-90°	3/8VT1-90°-SS	3/8VT1-90°-316SS	3/8VT1-90°-NP	25/32	1 1/16	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	
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	
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	
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	
.170	3/8VT4-90°	3/8VT4-90°-SS	3/8VT4-90°-316SS	3/8VT4-90°-NP	25/32	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	
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	
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	
1/4	3/8VT6-90°	3/8VT6-90°-SS	3/8VT6-90°-316SS	3/8VT6-90°-NP	15/16	1 1/16	27/32	
5/8 / 8mm	3/8VT7-90°	3/8VT7-90°-SS	3/8VT7-90°-316SS	3/8VT7-90°-NP	15/16	1 1/16	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	
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	



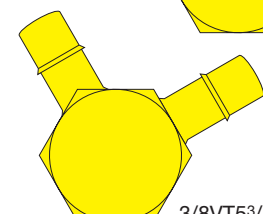
3/8VT2-90°



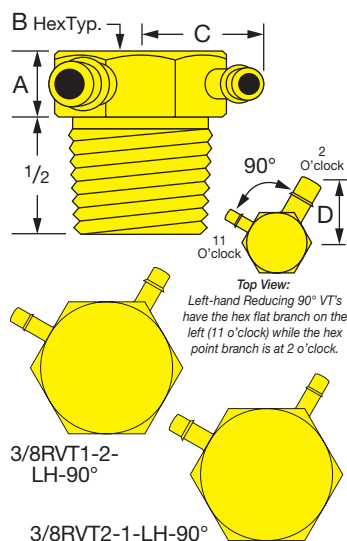
3/8VT.040-90°



3/8VT3 1/2-90°



3/8VT5 3/4-90°

 **$\frac{3}{8}$ NPT Male Pipe Thread to Tube Custom Reducing Left-Hand 90° V-Tees****399**

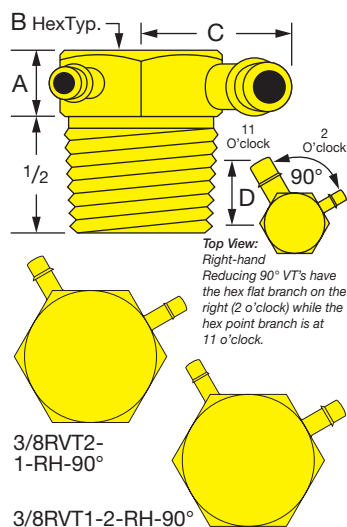
Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
$\frac{1}{32}$	.031	$\frac{9}{32}$	$1\frac{1}{16}$	$1\frac{7}{32}$	Consult Factory Consult Factory
.040 / 1mm	.040	$\frac{9}{32}$	$1\frac{1}{16}$	$1\frac{7}{32}$	
$\frac{3}{64}$	.045	$\frac{9}{32}$	$1\frac{1}{16}$	$1\frac{7}{32}$	
.050	.050	$\frac{9}{32}$	$1\frac{1}{16}$	$1\frac{7}{32}$	
$\frac{1}{16}$	1	$\frac{9}{32}$	$1\frac{1}{16}$	$1\frac{9}{32}$	
$\frac{5}{64}$ / 2mm	2	$\frac{9}{32}$	$1\frac{1}{16}$	$1\frac{9}{32}$	
$\frac{3}{32}$	2 $\frac{1}{2}$	$\frac{9}{32}$	$1\frac{1}{16}$	$1\frac{9}{32}$	
$\frac{1}{8}$	3	$\frac{9}{32}$	$1\frac{1}{16}$	2 $\frac{1}{32}$	
$\frac{5}{32}$ / 4mm	3 $\frac{1}{2}$	$\frac{9}{32}$	$1\frac{1}{16}$	2 $\frac{1}{32}$	

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
.170	4	$\frac{9}{32}$	$1\frac{1}{16}$	$1\frac{1}{16}$	Consult Factory
$\frac{3}{16}$	5	$\frac{9}{32}$	$1\frac{1}{16}$	2 $\frac{3}{32}$	
$\frac{7}{32}$	5 $\frac{1}{2}$	$\frac{9}{32}$	$1\frac{1}{16}$	2 $\frac{3}{32}$	
6mm	5 $\frac{3}{4}$	$\frac{7}{16}$	$1\frac{1}{16}$	2 $\frac{7}{32}$	
$\frac{1}{4}$	6	$\frac{7}{16}$	$1\frac{1}{16}$	2 $\frac{7}{32}$	
$\frac{5}{8}$ / 8mm	7	$\frac{7}{16}$	$1\frac{1}{16}$	2 $\frac{9}{32}$	
$\frac{3}{8}$	8	$\frac{7}{16}$	$1\frac{1}{16}$	$\frac{7}{8}$	
$\frac{1}{2}$	10	$\frac{5}{8}$	$1\frac{1}{16}$	$1\frac{1}{32}$	

Material options listed below!

Part Numbers for $\frac{3}{8}$ NPT Male Pipe Thread to Tube Reducing Left-Hand 90° V-Tees:

Thread Size	3/8	RVT	#	-	#	-	LH	-	90°	90° Indicator
Fitting Series			2 O'clock Branch		11 O'clock Branch		Left-Hand Indicator			

 $\frac{3}{8}$ NPT Male Pipe Thread to Tube Custom Reducing Right-Hand 90° V-Tees**400**

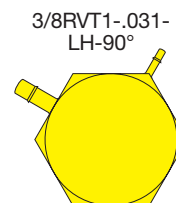
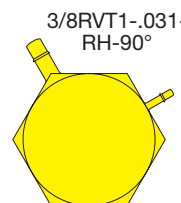
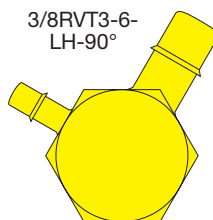
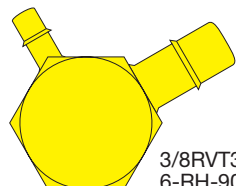
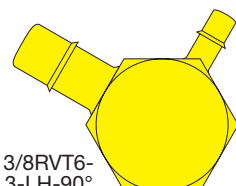
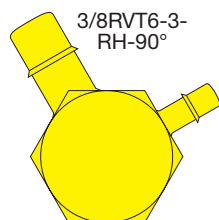
Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
$\frac{1}{32}$	.031	$\frac{9}{32}$	$1\frac{1}{16}$	$1\frac{7}{32}$	Consult Factory Consult Factory
.040 / 1mm	.040	$\frac{9}{32}$	$1\frac{1}{16}$	$1\frac{7}{32}$	
$\frac{3}{64}$	.045	$\frac{9}{32}$	$1\frac{1}{16}$	$1\frac{7}{32}$	
.050	.050	$\frac{9}{32}$	$1\frac{1}{16}$	$1\frac{7}{32}$	
$\frac{1}{16}$	1	$\frac{9}{32}$	$1\frac{1}{16}$	$1\frac{9}{32}$	
$\frac{5}{64}$ / 2mm	2	$\frac{9}{32}$	$1\frac{1}{16}$	$1\frac{9}{32}$	
$\frac{3}{32}$	2 $\frac{1}{2}$	$\frac{9}{32}$	$1\frac{1}{16}$	$1\frac{9}{32}$	
$\frac{1}{8}$	3	$\frac{9}{32}$	$1\frac{1}{16}$	2 $\frac{1}{32}$	
$\frac{5}{32}$ / 4mm	3 $\frac{1}{2}$	$\frac{9}{32}$	$1\frac{1}{16}$	2 $\frac{1}{32}$	

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
.170	4	$\frac{9}{32}$	$1\frac{1}{16}$	$1\frac{1}{16}$	Consult Factory
$\frac{3}{16}$	5	$\frac{9}{32}$	$1\frac{1}{16}$	2 $\frac{3}{32}$	
$\frac{7}{32}$	5 $\frac{1}{2}$	$\frac{9}{32}$	$1\frac{1}{16}$	2 $\frac{3}{32}$	
6mm	5 $\frac{3}{4}$	$\frac{7}{16}$	$1\frac{1}{16}$	2 $\frac{7}{32}$	
$\frac{1}{4}$	6	$\frac{7}{16}$	$1\frac{1}{16}$	2 $\frac{7}{32}$	
$\frac{5}{8}$ / 8mm	7	$\frac{7}{16}$	$1\frac{1}{16}$	2 $\frac{9}{32}$	
$\frac{3}{8}$	8	$\frac{7}{16}$	$1\frac{1}{16}$	$\frac{7}{8}$	
$\frac{1}{2}$	10	$\frac{5}{8}$	$1\frac{1}{16}$	$1\frac{1}{32}$	

Material options listed below!

Part Numbers for $\frac{3}{8}$ NPT Male Pipe Thread to Tube Reducing Right-Hand 90° V-Tees:

Thread Size	3/8	RVT	#	-	#	-	RH	-	90°	90° Indicator
Fitting Series			11 O'clock Branch		2 O'clock Branch		Right-Hand Indicator			

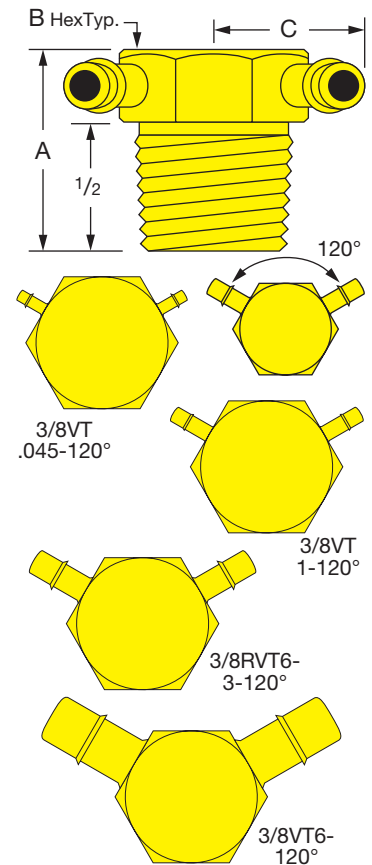


Unless otherwise specified, parts will be Brass. To order other materials, please add the following codes to the part number:
 -SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

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3/8 NPT Male Pipe 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
5/8 / 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



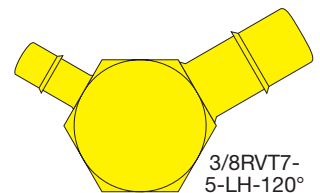
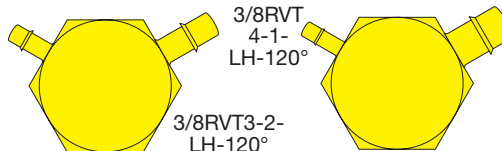
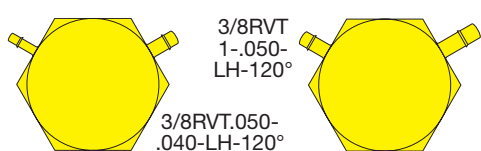
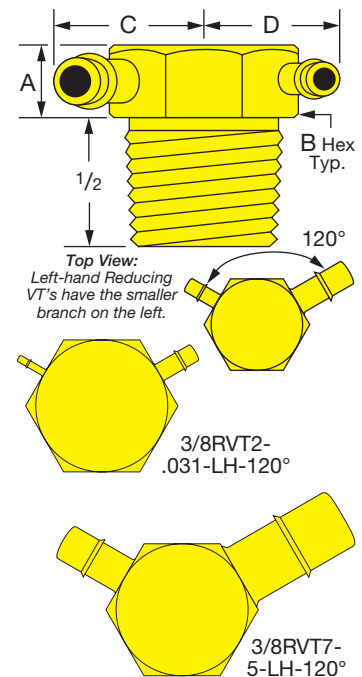
402

3/8 NPT Male Pipe Thread to Tube Custom 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
5/8 / 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

Material options listed on previous page!



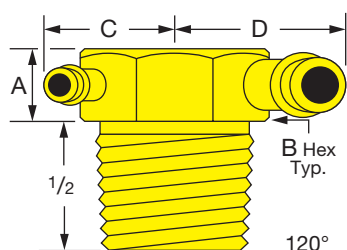
Part Numbers for 3/8 NPT Male Pipe Thread to Tube Reducing Left-Hand 120° V-Tees:

Thread Size	3/8	RVT	#	-	#	-	LH	-	120°	120° Indicator
		Fitting Series		Larger Branch #		Smaller Branch #		Left-Hand Indicator		

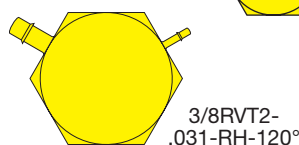
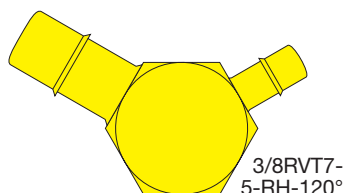


3/8 NPT Male Pipe Thread to Tube Custom Reducing Right-Hand 120° V-Tees

403



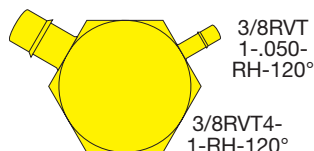
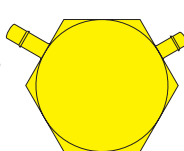
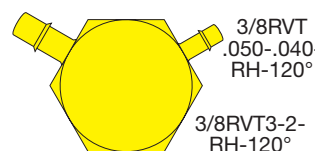
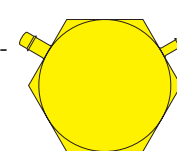
Top View:
Right-hand Reducing
VT's have the smaller
branch on the right.

3/8RVT2-
.031-RH-120°3/8RVT7-
5-RH-120°

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
5/8 / 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

Material options listed on next page!

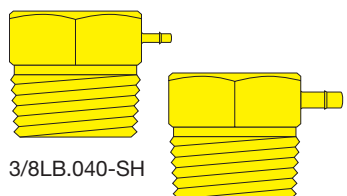
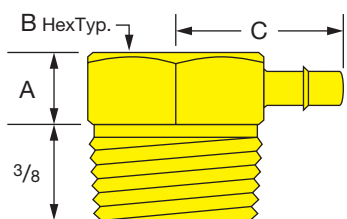
3/8RVT
1-.050-
RH-120°3/8RVT4-
1-RH-120°3/8RVT
.050-.040-
RH-120°3/8RVT3-2-
RH-120°

Part Numbers for 3/8 NPT Male Pipe Thread to Tube Reducing Right-Hand 120° V-Tees:

Thread Size	3/8	RVT	#	-	#	-	RH	-	120°	120° Indicator
Fitting Series			Larger Branch #		Smaller Branch #		Right-Hand Indicator			

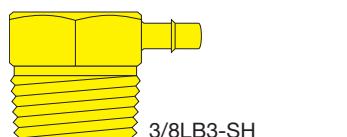
3/8 NPT Short Male Pipe Thread to Tube Elbows

404

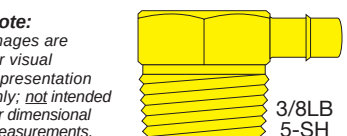


3/8LB.040-SH

3/8LB1-SH



3/8LB3-SH

3/8LB
5-SH

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

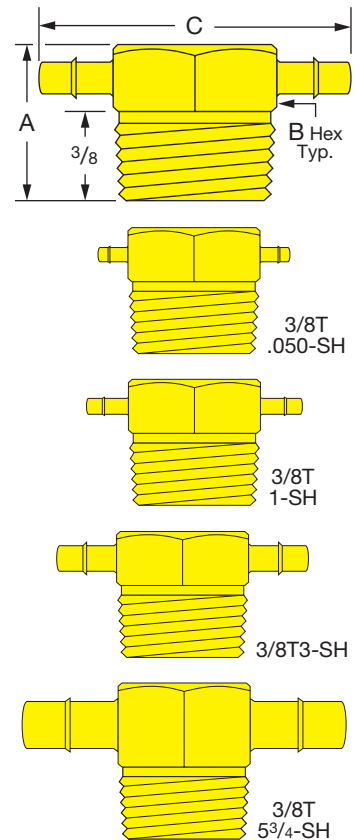
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	3/8LB.031-SH	3/8LB.031-SH-SS	3/8LB.031-SH-316SS	3/8LB.031-SH-NP	9/32	1 1/16	17/32
.040 / 1mm	3/8LB.040-SH	3/8LB.040-SH-SS	3/8LB.040-SH-316SS	3/8LB.040-SH-NP	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

405

3/8 NPT Short Male Pipe 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 pipe thread to tube fittings with larger branches available. Consult factory for details!



0

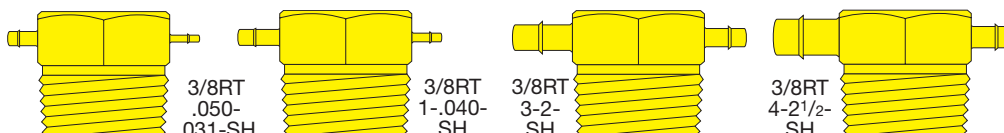
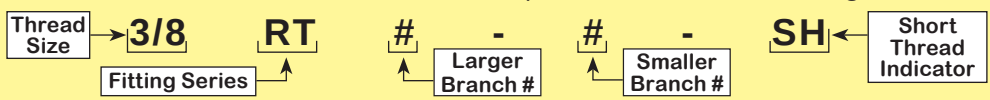
406

3/8 NPT Short Male Pipe Thread to Tube Reducing 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

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
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
.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

Part Numbers for 3/8 NPT Short Male Pipe Thread to Tube Reducing Tees:

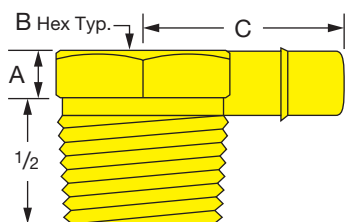


Unless otherwise specified, parts will be Brass. To order other materials, please add the following codes to the part number:
 -SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate



3/8 NPT Male Pipe Thread to Tube Low Profile Elbow

407

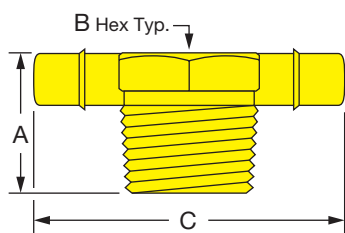


Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/4	3/8LB6-LP	3/8LB6-LP-SS	3/8LB6-LP-316SS	3/8LB6-LP-NP	3/16	11/16	27/32

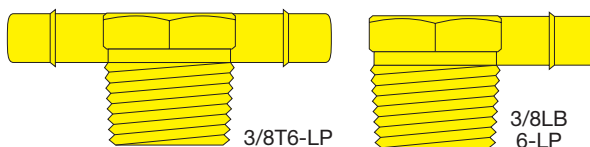
Low Profile Fittings: #6 Branch with Smaller Hex Height!

3/8 NPT Male Pipe 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	11/16	11/16	1 11/16

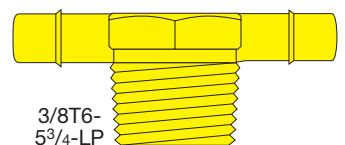
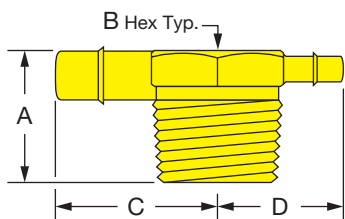


90° Low Profile Tees available upon special request! Consult factory for details!

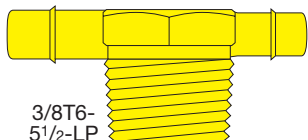
Note: Images are for visual representation only. Dimensions may vary at time of manufacturing. Consult Factory for Details!

3/8 NPT Male Pipe Thread to Tube Reducing Low Profile Tees

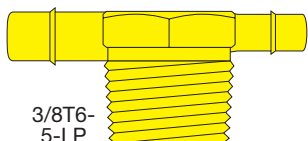
409



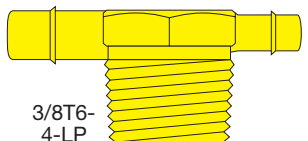
3/8T6-5 3/4-LP



3/8T6-5 1/2-LP

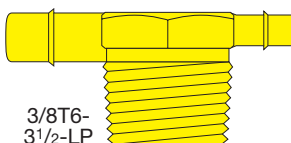


3/8T6-5-LP

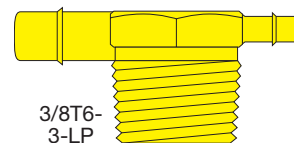


3/8T6-4-LP

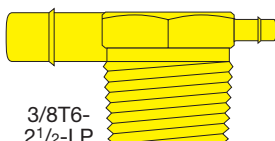
Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/4	1/16	3/8RT6-1-LP	3/8RT6-1-LP-SS	3/8RT6-1-LP-316SS	3/8RT6-1-LP-NP	11/16	11/16	27/32	19/32
1/4	5/64 / 2mm	3/8RT6-2-LP	3/8RT6-2-LP-SS	3/8RT6-2-LP-316SS	3/8RT6-2-LP-NP	11/16	11/16	27/32	19/32
1/4	3/32	3/8RT6-2 1/2-LP	3/8RT6-2 1/2-LP-SS	3/8RT6-2 1/2-LP-316SS	3/8RT6-2 1/2-LP-NP	11/16	11/16	27/32	19/32
1/4	1/8	3/8RT6-3-LP	3/8RT6-3-LP-SS	3/8RT6-3-LP-316SS	3/8RT6-3-LP-NP	11/16	11/16	27/32	21/32
1/4	5/32 / 4mm	3/8RT6-3 1/2-LP	3/8RT6-3 1/2-LP-SS	3/8RT6-3 1/2-LP-316SS	3/8RT6-3 1/2-LP-NP	11/16	11/16	27/32	21/32
1/4	.170	3/8RT6-4-LP	3/8RT6-4-LP-SS	3/8RT6-4-LP-316SS	3/8RT6-4-LP-NP	11/16	11/16	27/32	11/16
1/4	3/16	3/8RT6-5-LP	3/8RT6-5-LP-SS	3/8RT6-5-LP-316SS	3/8RT6-5-LP-NP	11/16	11/16	27/32	23/32
1/4	7/32	3/8RT6-5 1/2-LP	3/8RT6-5 1/2-LP-SS	3/8RT6-5 1/2-LP-316SS	3/8RT6-5 1/2-LP-NP	11/16	11/16	27/32	23/32
1/4	6mm	3/8RT6-5 3/4-LP	3/8RT6-5 3/4-LP-SS	3/8RT6-5 3/4-LP-316SS	3/8RT6-5 3/4-LP-NP	11/16	11/16	27/32	27/32



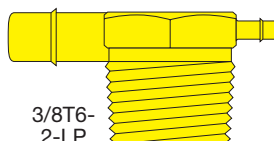
3/8T6-3 1/2-LP



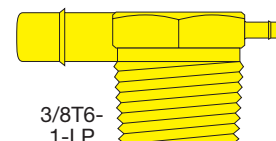
3/8T6-3-LP



3/8T6-2 1/2-LP



3/8T6-2-LP

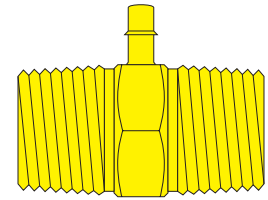
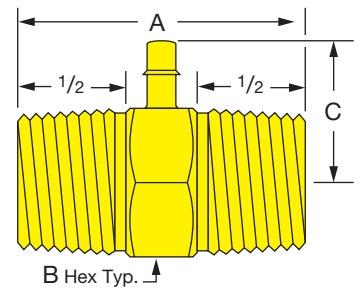


3/8T6-1-LP

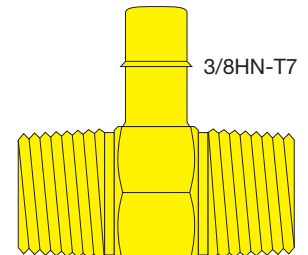
410

3/8 NPT Male Pipe 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
5/8 / 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



3/8HN-T3



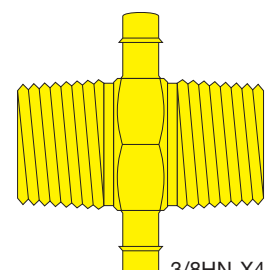
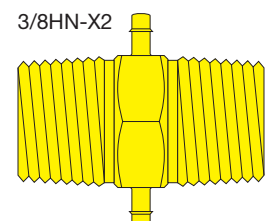
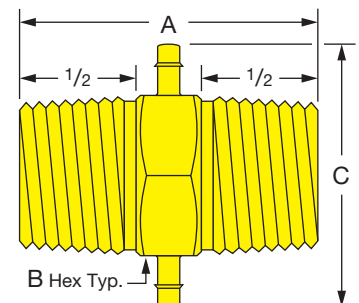
3/8HN-T7

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411

3/8 NPT Male Pipe 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	3/8HN-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
5/8 / 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

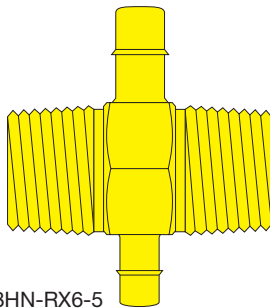
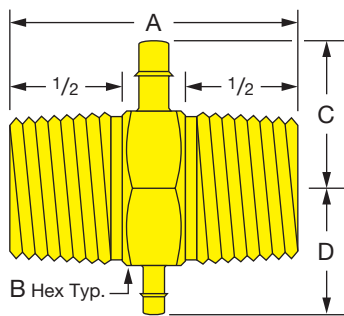


3/8HN-X4



3/8 NPT Male Pipe Thread Nipples with Tube Branches: Reducing Crosses

412



3/8HN-RX6-5

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	1 9/32	1 1/16	17/32	17/32
.040 / 1mm	.040	1 9/32	1 1/16	17/32	17/32
3/64	.045	1 9/32	1 1/16	17/32	17/32
.050	.050	1 9/32	1 1/16	17/32	17/32
1/16	1	1 9/32	1 1/16	19/32	19/32
5/64 / 2mm	2	1 9/32	1 1/16	19/32	19/32
3/32	2 1/2	1 9/32	1 1/16	19/32	19/32
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	23/32	23/32
7/32	5 1/2	1 9/32	1 1/16	23/32	23/32
6mm	5 3/4	1 3/8	1 1/16	27/32	27/32
1/4	6	1 3/8	1 1/16	27/32	27/32
5/8 / 8mm	7	1 7/16	1 1/16	29/32	29/32
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!

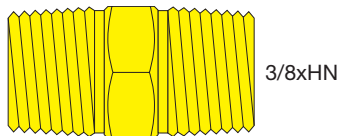
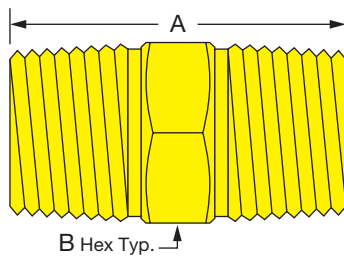
Part Numbers for 3/8 NPT Nipples with Reducing Cross Branches:

Thread Size	→ 3/8	HN-RX	#	-	#	Smaller Branch #
		Fitting Series			Larger Branch #	

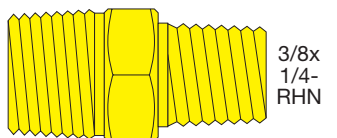
Unless otherwise specified, parts will be Brass. To order other materials, please add the following codes to the part number:
 -SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

3/8 NPT Male Pipe Thread Male Pipe Hex Nipple and Reducing Hex Nipples

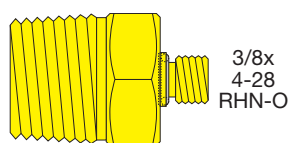
413



3/8xHN

3/8x
1/4-RHN

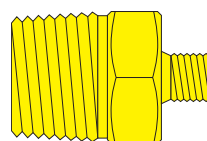
O-ring options available on straight (reducing) threads!

3/8x
4-28
RHN-O

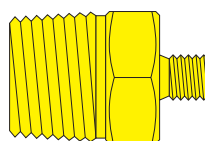
O-ring material options on pg 65!

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.
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		5/8
3/8 NPT	10-32	3/8x10-RHN	3/8x10-RHN-SS	3/8x10-RHN-316SS	3/8x10-RHN-AL	3/8x10-RHN-NP		5/8
3/8 NPT	9/16-18 SAE	3/8x9/16-18-SAE-RHN	3/8x9/16-18-SAE-RHN-SS	3/8x9/16-18-SAE-RHN-316SS	3/8x9/16-18-SAE-RHN-AL	3/8x9/16-18-SAE-RHN-NP		3/4
3/8 NPT	7/16-20 SAE	3/8x7/16-20-SAE-RHN	3/8x7/16-20-SAE-RHN-SS	3/8x7/16-20-SAE-RHN-316SS	3/8x7/16-20-SAE-RHN-AL	3/8x7/16-20-SAE-RHN-NP		5/8
3/8 NPT	M10x 1.25	3/8xM10x1.25-RHN	3/8xM10x1.25-RHN-SS	3/8xM10x1.25-RHN-316SS	3/8xM10x1.25-RHN-AL	3/8xM10x1.25-RHN-NP		5/8
3/8 NPT	M8x1	3/8xM8x1-RHN	3/8xM8x1-RHN-SS	3/8xM8x1-RHN-316SS	3/8xM8x1-RHN-AL	3/8xM8x1-RHN-NP		5/8
3/8 NPT	M6x1	3/8xM6x1-RHN	3/8xM6x1-RHN-SS	3/8xM6x1-RHN-316SS	3/8xM6x1-RHN-AL	3/8xM6x1-RHN-NP		5/8
3/8 NPT	M5	3/8xM5-RHN	3/8xM5-RHN-SS	3/8xM5-RHN-316SS	3/8xM5-RHN-AL	3/8xM5-RHN-NP		5/8
3/8 NPT	M3	3/8xM3-RHN	3/8xM3-RHN-SS	3/8xM3-RHN-316SS	3/8xM3-RHN-AL	3/8xM3-RHN-NP		5/8

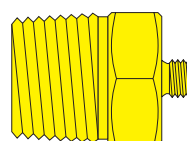
Consult Factory Consult Factory



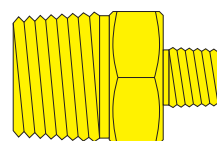
3/8x4-28-RHN



3/8xM6x1-RHN



3/8xM5-RHN



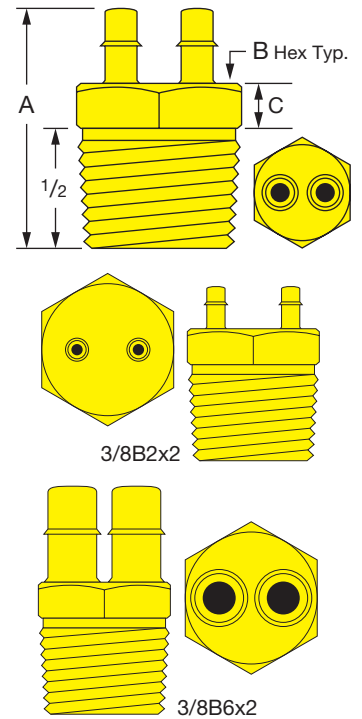
3/8x1/16-RHN

See pages 424 - 425 for other Hex Nipple options!

414

3/8 NPT Male Pipe 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
6mm	3/8B5 3/4x2	3/8B5 3/4x2-SS	3/8B5 3/4x2-316SS	3/8B5 3/4x2-NP	1 3/16	1 1/16	3/16
1/4	3/8B6x2	3/8B6x2-SS	3/8B6x2-316SS	3/8B6x2-NP	1 3/16	1 1/16	3/16

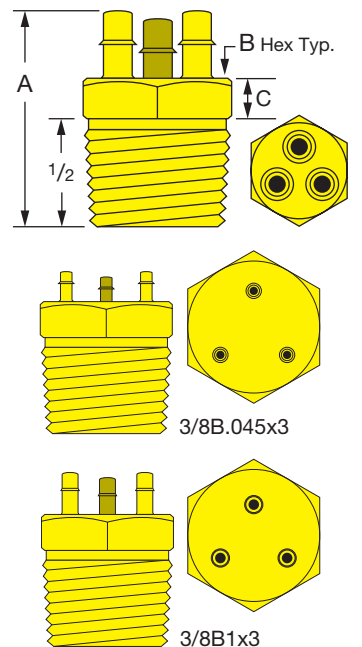


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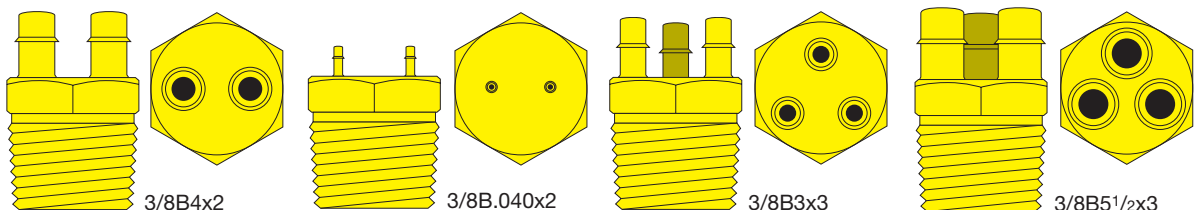
415

3/8 NPT Male Pipe 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



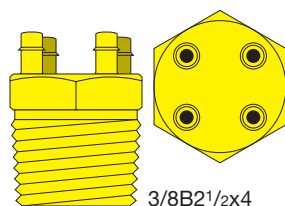
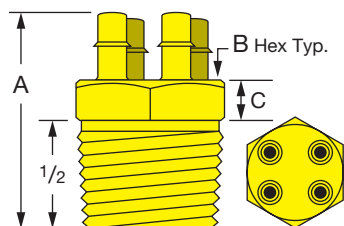
Customize your Straight Manifolds with alternate branch locations!! Use the template on page 227 to indicate branch placement!!



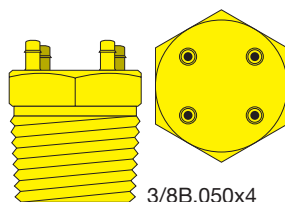


3/8 NPT Male Pipe Thread Straight Manifolds with 4 Branches

416



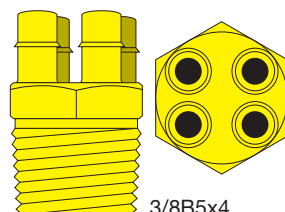
3/8B2 1/2 x 4



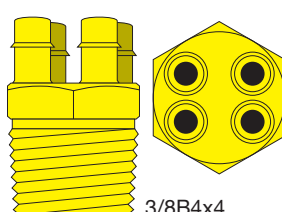
3/8B.050 x 4

Customize your Straight Manifolds with alternate branch locations!! Use the template on page 227 to indicate branch placement!

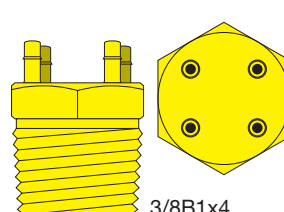
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	3/8B.031x4	3/8B.031x4-SS	3/8B.031x4-316SS	3/8B.031x4-NP	27/32	1 1/16	3/16
.040 / 1mm	3/8B.040x4	3/8B.040x4-SS	3/8B.040x4-316SS	3/8B.040x4-NP	27/32	1 1/16	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 1/2 x 4	3/8B2 1/2 x 4-SS	3/8B2 1/2 x 4-316SS	3/8B2 1/2 x 4-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 1/2 x 4	3/8B3 1/2 x 4-SS	3/8B3 1/2 x 4-316SS	3/8B3 1/2 x 4-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
7/32	3/8B5 1/2 x 4	3/8B5 1/2 x 4-SS	3/8B5 1/2 x 4-316SS	3/8B5 1/2 x 4-NP	1 1/16	1 1/16	3/16



3/8B5 x 4



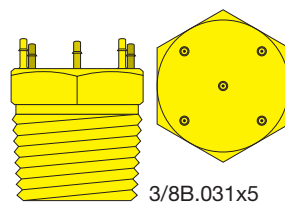
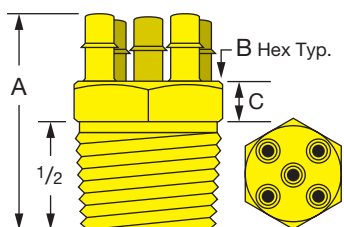
3/8B4 x 4



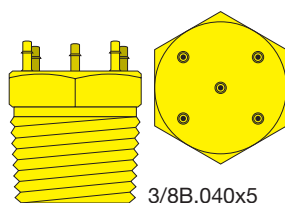
3/8B1 x 4

3/8 NPT Male Pipe Thread Straight Manifolds with 5 Branches

417

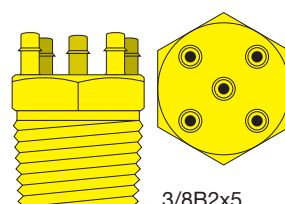


3/8B.031 x 5

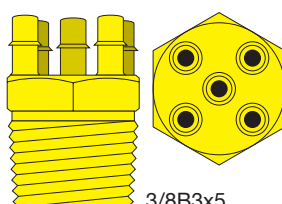


3/8B.040 x 5

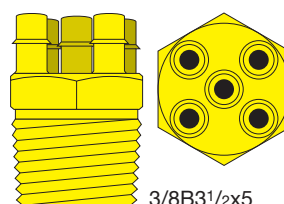
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	3/8B.031x5	3/8B.031x5-SS	3/8B.031x5-316SS	3/8B.031x5-NP	27/32	1 1/16	3/16
.040 / 1mm	3/8B.040x5	3/8B.040x5-SS	3/8B.040x5-316SS	3/8B.040x5-NP	27/32	1 1/16	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 1/2 x 5	3/8B2 1/2 x 5-SS	3/8B2 1/2 x 5-316SS	3/8B2 1/2 x 5-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 1/2 x 5	3/8B3 1/2 x 5-SS	3/8B3 1/2 x 5-316SS	3/8B3 1/2 x 5-NP	1	1 1/16	3/16
3/16	3/8B5x5	3/8B5x5-SS	3/8B5x5-316SS	3/8B5x5-NP	1 1/16	1 1/16	3/16



3/8B2 x 5



3/8B3 x 5



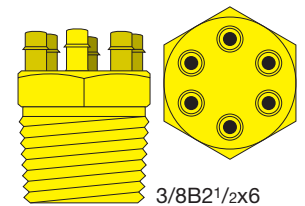
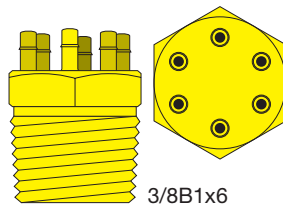
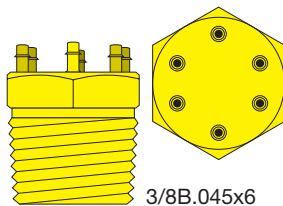
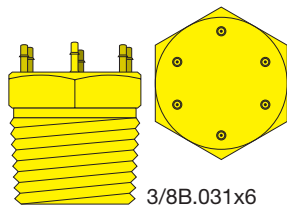
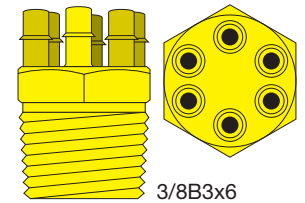
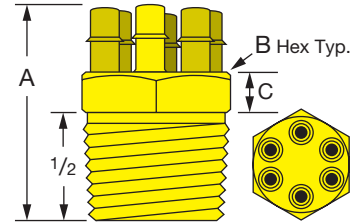
3/8B3 1/2 x 5

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

418

3/8 NPT Male Pipe Thread Straight Manifolds with 6 Branches

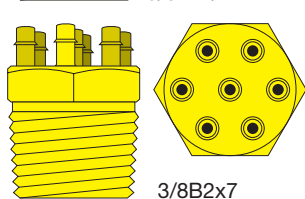
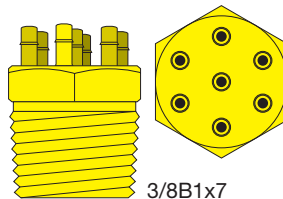
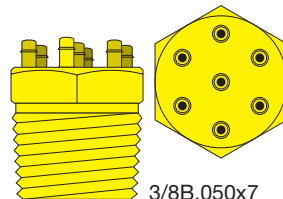
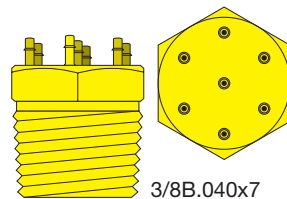
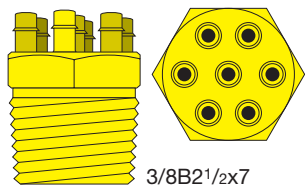
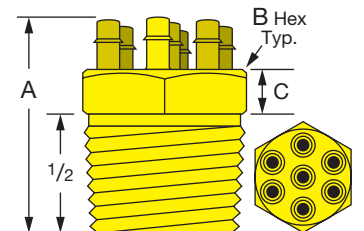
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	3/8B.031x6	3/8B.031x6-SS	3/8B.031x6-316SS	3/8B.031x6-NP	27/32	1/16	3/16
.040 / 1mm	3/8B.040x6	3/8B.040x6-SS	3/8B.040x6-316SS	3/8B.040x6-NP	27/32	1/16	3/16
3/64	3/8B.045x6	3/8B.045x6-SS	3/8B.045x6-316SS	3/8B.045x6-NP	27/32	1/16	3/16
.050	3/8B.050x6	3/8B.050x6-SS	3/8B.050x6-316SS	3/8B.050x6-NP	27/32	1/16	3/16
1/16	3/8B1x6	3/8B1x6-SS	3/8B1x6-316SS	3/8B1x6-NP	29/32	1/16	3/16
5/64 / 2mm	3/8B2x6	3/8B2x6-SS	3/8B2x6-316SS	3/8B2x6-NP	29/32	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	1/16	3/16
1/8	3/8B3x6	3/8B3x6-SS	3/8B3x6-316SS	3/8B3x6-NP	1	1/16	3/16



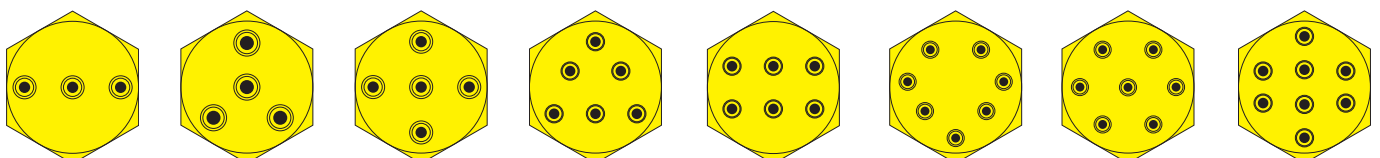
419

3/8 NPT Male Pipe 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	1/16	3/16
.040 / 1mm	3/8B.040x7	3/8B.040x7-SS	3/8B.040x7-316SS	3/8B.040x7-NP	27/32	1/16	3/16
3/64	3/8B.045x7	3/8B.045x7-SS	3/8B.045x7-316SS	3/8B.045x7-NP	27/32	1/16	3/16
.050	3/8B.050x7	3/8B.050x7-SS	3/8B.050x7-316SS	3/8B.050x7-NP	27/32	1/16	3/16
1/16	3/8B1x7	3/8B1x7-SS	3/8B1x7-316SS	3/8B1x7-NP	29/32	1/16	3/16
5/64 / 2mm	3/8B2x7	3/8B2x7-SS	3/8B2x7-316SS	3/8B2x7-NP	29/32	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	1/16	3/16

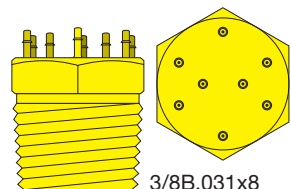
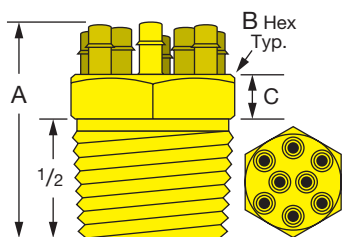


Customize your Straight Manifolds with alternate branch locations!!
Use the Template on page 227 to indicate branch placement!

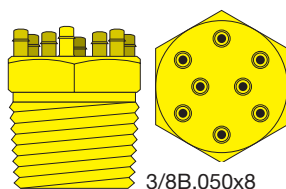


 $\frac{3}{8}$ NPT Male Pipe Thread Straight Manifolds with 8 Branches

420

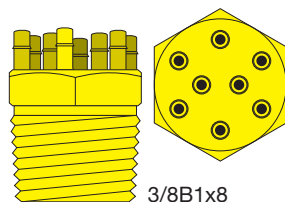


3/8B.031x8

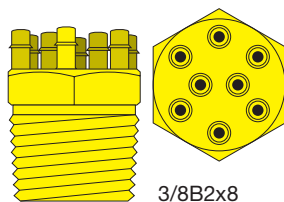


3/8B.050x8

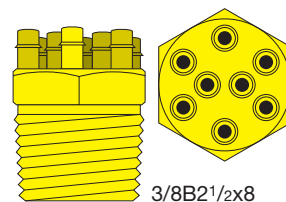
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
$\frac{1}{32}$	3/8B.031x8	3/8B.031x8-SS	3/8B.031x8-316SS	3/8B.031x8-NP	$\frac{27}{32}$	$\frac{1}{16}$	$\frac{3}{16}$
.040 / 1mm	3/8B.040x8	3/8B.040x8-SS	3/8B.040x8-316SS	3/8B.040x8-NP	$\frac{27}{32}$	$\frac{1}{16}$	$\frac{3}{16}$
$\frac{3}{64}$	3/8B.045x8	3/8B.045x8-SS	3/8B.045x8-316SS	3/8B.045x8-NP	$\frac{27}{32}$	$\frac{1}{16}$	$\frac{3}{16}$
.050	3/8B.050x8	3/8B.050x8-SS	3/8B.050x8-316SS	3/8B.050x8-NP	$\frac{27}{32}$	$\frac{1}{16}$	$\frac{3}{16}$
$\frac{1}{16}$	3/8B1x8	3/8B1x8-SS	3/8B1x8-316SS	3/8B1x8-NP	$\frac{29}{32}$	$\frac{1}{16}$	$\frac{3}{16}$
$\frac{5}{64}$ / 2mm	3/8B2x8	3/8B2x8-SS	3/8B2x8-316SS	3/8B2x8-NP	$\frac{29}{32}$	$\frac{1}{16}$	$\frac{3}{16}$
$\frac{3}{32}$	3/8B2 $\frac{1}{2}$ x8	3/8B2 $\frac{1}{2}$ x8-SS	3/8B2 $\frac{1}{2}$ x8-316SS	3/8B2 $\frac{1}{2}$ x8-NP	$\frac{29}{32}$	$\frac{1}{16}$	$\frac{3}{16}$



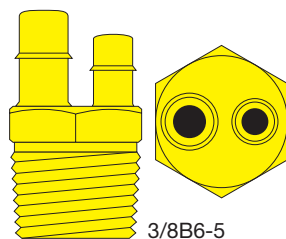
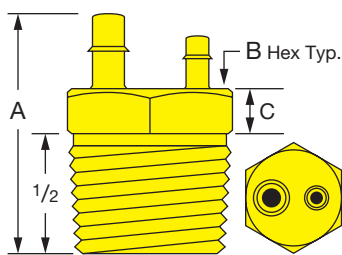
3/8B1x8



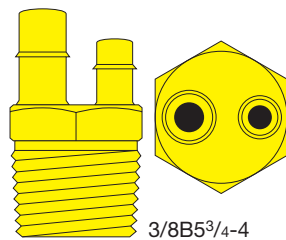
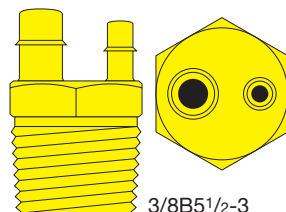
3/8B2x8

3/8B2 $\frac{1}{2}$ x8 $\frac{3}{8}$ NPT Male Pipe Thread Straight Reducing Manifolds with 2 Branches

421

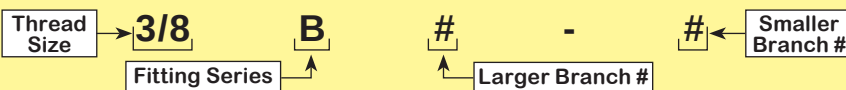


3/8B6-5

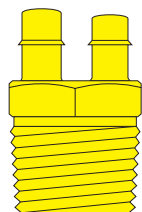
3/8B5 $\frac{3}{4}$ -43/8B5 $\frac{1}{2}$ -3

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
$\frac{1}{32}$	.031	$\frac{27}{32}$	$\frac{1}{16}$	$\frac{3}{16}$
.040 / 1mm	.040	$\frac{27}{32}$	$\frac{1}{16}$	$\frac{3}{16}$
$\frac{3}{64}$	.045	$\frac{27}{32}$	$\frac{1}{16}$	$\frac{3}{16}$
.050	.050	$\frac{27}{32}$	$\frac{1}{16}$	$\frac{3}{16}$
$\frac{1}{16}$	1	$\frac{29}{32}$	$\frac{1}{16}$	$\frac{3}{16}$
$\frac{5}{64}$ / 2mm	2	$\frac{29}{32}$	$\frac{1}{16}$	$\frac{3}{16}$
$\frac{3}{32}$	2 $\frac{1}{2}$	$\frac{29}{32}$	$\frac{1}{16}$	$\frac{3}{16}$

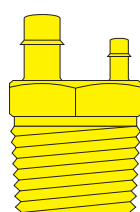
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
$\frac{1}{8}$	3	1	$\frac{1}{16}$	$\frac{3}{16}$
$\frac{5}{32}$ / 4mm	3 $\frac{1}{2}$	1	$\frac{1}{16}$	$\frac{3}{16}$
.170	4	$\frac{1}{32}$	$\frac{1}{16}$	$\frac{3}{16}$
$\frac{3}{16}$	5	$\frac{1}{16}$	$\frac{1}{16}$	$\frac{3}{16}$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

Part Numbers for $\frac{3}{8}$ NPT Straight Reducing Manifolds with 2 Branches:

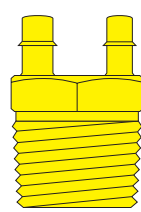
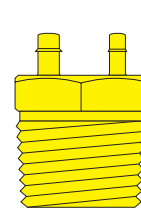
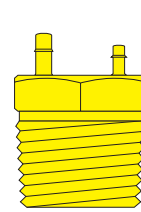
Material options listed on next page!



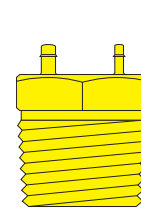
3/8B5-4



3/8B4-2

3/8B3 $\frac{1}{2}$ -33/8B2 $\frac{1}{2}$ -1

3/8B1-.045



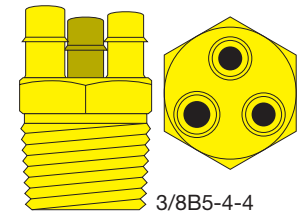
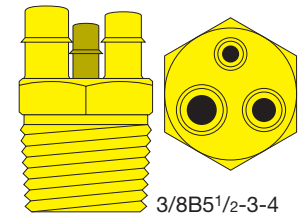
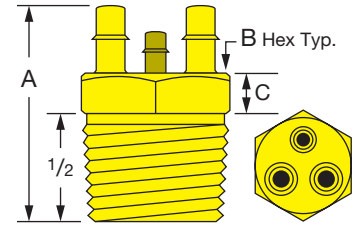
3/8B.050-.040

422

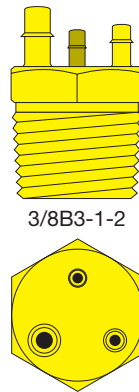
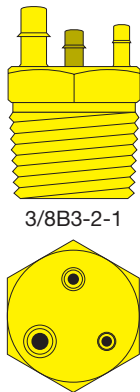
3/8 NPT Male Pipe Thread Straight Reducing Manifolds with 3 Branches

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



Use the template on page 227 to indicate branch sizes & placement!

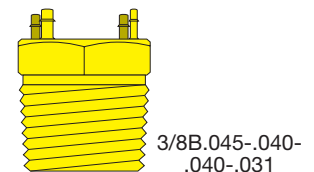
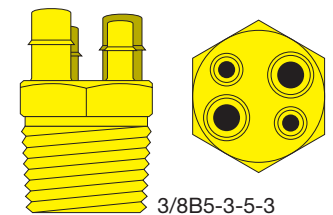
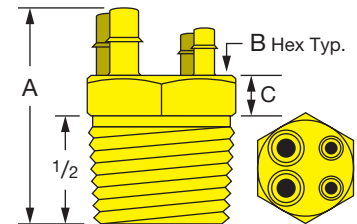


423

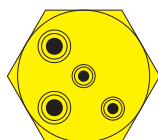
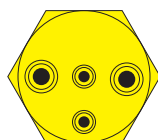
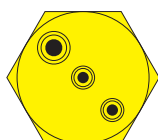
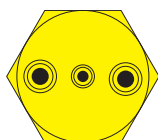
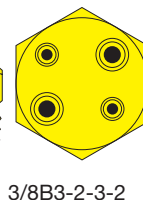
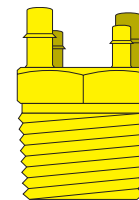
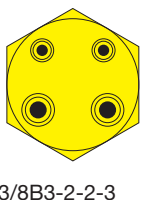
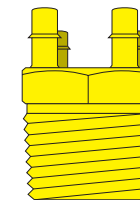
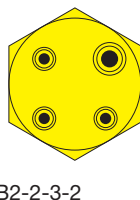
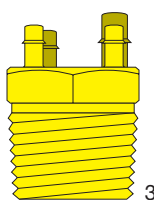
3/8 NPT Male Pipe Thread Straight Reducing Manifolds with 4 Branches

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
7/32	5 1/2	1 1/16	1 1/16	3/16

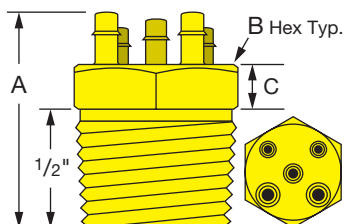


Use template on page 227 to indicate branch sizes and placement!



Customize your Straight Reducing Manifolds with alternate branch locations!!

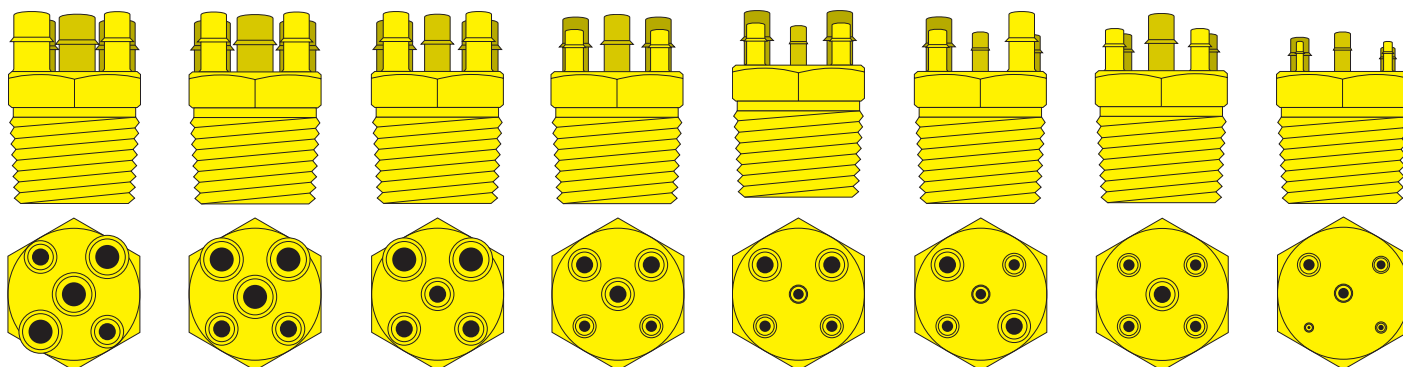
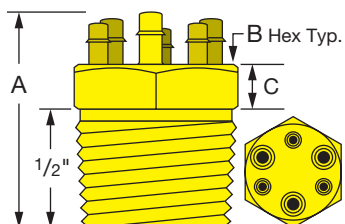
Unless otherwise specified, parts will be Brass. To order other materials, please add the following codes to the part number:
 -SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

 **$\frac{3}{8}$ NPT Male Pipe Thread Straight Reducing Manifolds with 5 Branches****424**

Use the template on page 227 to indicate branch sizes & placement!

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
$\frac{1}{32}$	.031	$\frac{27}{32}$	$\frac{1}{16}$	$\frac{3}{16}$
.040 / 1mm	.040	$\frac{27}{32}$	$\frac{1}{16}$	$\frac{3}{16}$
$\frac{3}{64}$	.045	$\frac{27}{32}$	$\frac{1}{16}$	$\frac{3}{16}$
.050	.050	$\frac{27}{32}$	$\frac{1}{16}$	$\frac{3}{16}$
$\frac{1}{16}$	1	$\frac{29}{32}$	$\frac{1}{16}$	$\frac{3}{16}$

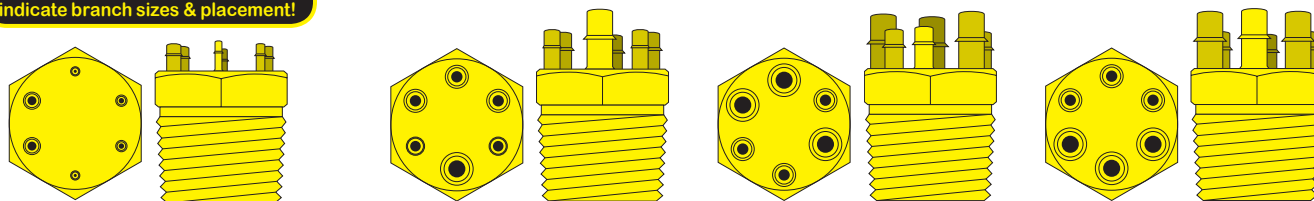
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
$\frac{5}{64}$ / 2mm	2	$\frac{29}{32}$	$\frac{1}{16}$	$\frac{3}{16}$
$\frac{3}{32}$	$2\frac{1}{2}$	$\frac{29}{32}$	$\frac{1}{16}$	$\frac{3}{16}$
$\frac{1}{8}$	3	1	$\frac{1}{16}$	$\frac{3}{16}$
$\frac{5}{32}$ / 4mm	$3\frac{1}{2}$	1	$\frac{1}{16}$	$\frac{3}{16}$
.170	4	$1\frac{1}{32}$	$\frac{1}{16}$	$\frac{3}{16}$

 **$\frac{3}{8}$ NPT Male Pipe Thread Straight Reducing Manifolds with 6 Branches****425**

Use the template on page 227 to indicate branch sizes & placement!

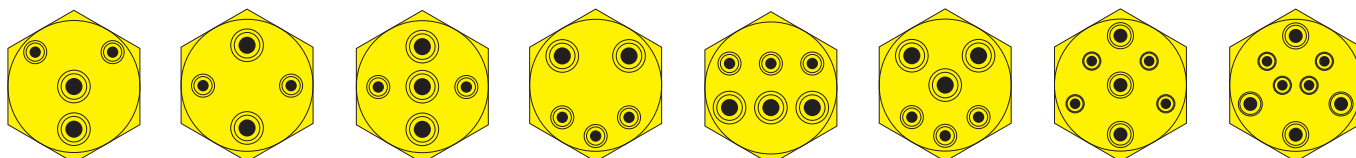
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
$\frac{1}{32}$	.031	$\frac{27}{32}$	$\frac{1}{16}$	$\frac{3}{16}$
.040 / 1mm	.040	$\frac{27}{32}$	$\frac{1}{16}$	$\frac{3}{16}$
$\frac{3}{64}$	.045	$\frac{27}{32}$	$\frac{1}{16}$	$\frac{3}{16}$
.050	.050	$\frac{27}{32}$	$\frac{1}{16}$	$\frac{3}{16}$

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
$\frac{1}{16}$	1	$\frac{29}{32}$	$\frac{1}{16}$	$\frac{3}{16}$
$\frac{5}{64}$ / 2mm	2	$\frac{29}{32}$	$\frac{1}{16}$	$\frac{3}{16}$
$\frac{3}{32}$	$2\frac{1}{2}$	$\frac{29}{32}$	$\frac{1}{16}$	$\frac{3}{16}$
$\frac{1}{8}$	3	1	$\frac{1}{16}$	$\frac{3}{16}$



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

Customize your Straight Reducing Manifolds with alternate branch locations!!
 Use the template on page 227 to indicate branch sizes and placement!

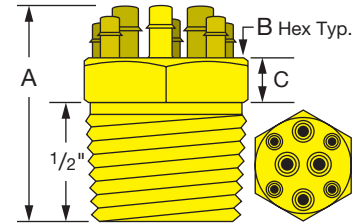


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3/8 NPT Male Pipe Thread Reducing Straight Manifolds with 7 or 8 Branches

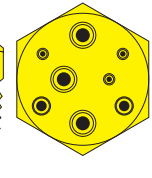
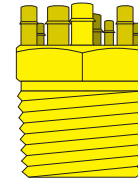
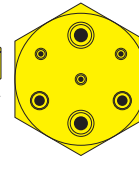
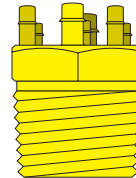
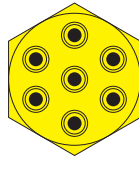
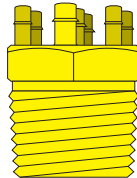
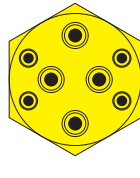
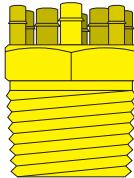
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/32	.031	27/32	1 1/16	3/16
.040 / 1mm	.040	27/32	1 1/16	3/16
3/64	.045	27/32	1 1/16	3/16
.050	.050	27/32	1 1/16	3/16

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 below to indicate sizes & placement!

Material options listed on previous page!



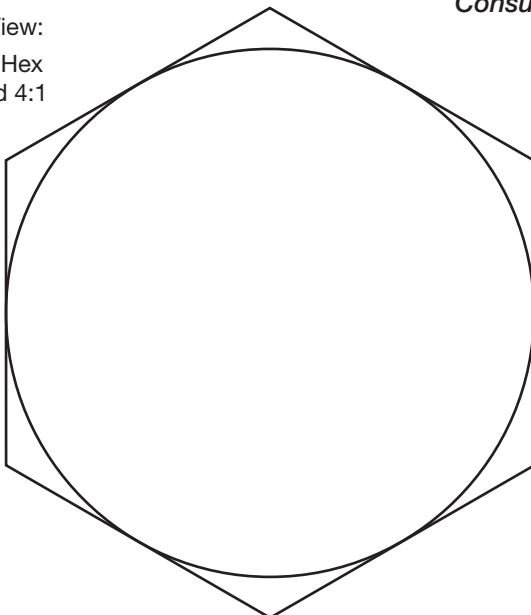
3/8 NPT Male Thread Straight Manifold Template for Branch Sizes and Locations

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.

Consult factory for details!

Top View:
1 1/16 Hex
Scaled 4:1



Branch Numbers:

1st Branch (1) = _____ 5th Branch (5) = _____

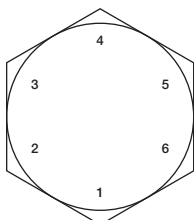
2nd Branch (2) = _____ 6th Branch (6) = _____

3rd Branch (3) = _____ 7th Branch (7) = _____

4th Branch (4) = _____ 8th Branch (8) = _____

*Part numbers will vary depending on branch configuration

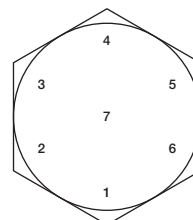
Examples:



Branch Numbers:

1st Branch (1) = 3 5th Branch (5) = 1
2nd Branch (2) = 3 6th Branch (6) = 1
3rd Branch (3) = 3 7th Branch (7) = n/a
4th Branch (4) = 2 8th Branch (8) = n/a

Three #3 Branches (1st, 2nd, 3rd)
One #1 Branches (4th) Two #1 Branches (5th, 6th)



Branch Numbers:

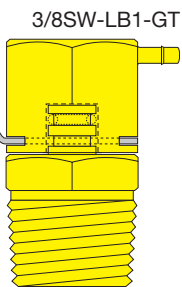
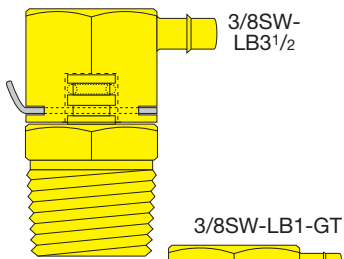
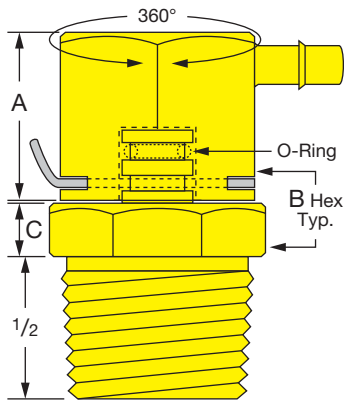
1st Branch (1) = 2 5th Branch (5) = 1
2nd Branch (2) = 2 6th Branch (6) = .050
3rd Branch (3) = 1 7th Branch (7) = 2 1/2
4th Branch (4) = .050 8th Branch (8) = n/a

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 Pipe Thread to Tube Swivel Elbows with Clip Groove

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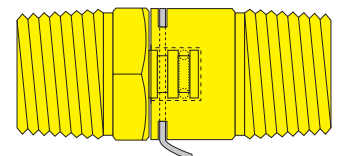
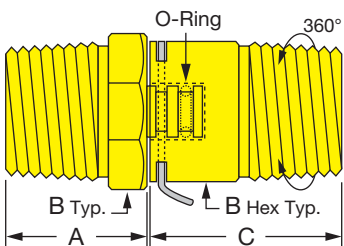


See GT
Series
for other
Swivel
options!

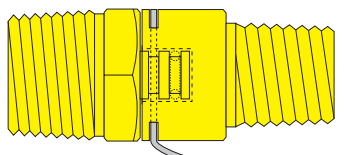
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	3/8SW-LB.031-GT	3/8SW-LB.031-SS-GT	3/8SW-LB.031-316SS-GT	3/8SW-LB.031-NP-GT	Consult Factory	Consult Factory	Consult Factory
.040 / 1mm	3/8SW-LB.040-GT	3/8SW-LB.040-SS-GT	3/8SW-LB.040-316SS-GT	3/8SW-LB.040-NP-GT	Consult Factory	Consult Factory	Consult Factory
3/64	3/8SW-LB.045-GT	3/8SW-LB.045-SS-GT	3/8SW-LB.045-316SS-GT	3/8SW-LB.045-NP-GT	Consult Factory	Consult Factory	Consult Factory
.050	3/8SW-LB.050-GT	3/8SW-LB.050-SS-GT	3/8SW-LB.050-316SS-GT	3/8SW-LB.050-NP-GT	Consult Factory	Consult Factory	Consult Factory
1/16	3/8SW-LB1-GT	3/8SW-LB1-SS-GT	3/8SW-LB1-316SS-GT	3/8SW-LB1-NP-GT	Consult Factory	Consult Factory	Consult Factory
5/64 / 2mm	3/8SW-LB2-GT	3/8SW-LB2-SS-GT	3/8SW-LB2-316SS-GT	3/8SW-LB2-NP-GT	Consult Factory	Consult Factory	Consult Factory
3/32	3/8SW-LB2 1/2-GT	3/8SW-LB2 1/2-SS-GT	3/8SW-LB2 1/2-316SS-GT	3/8SW-LB2 1/2-NP-GT	Consult Factory	Consult Factory	Consult Factory
1/8	3/8SW-LB3-GT	3/8SW-LB3-SS-GT	3/8SW-LB3-316SS-GT	3/8SW-LB3-NP-GT	Consult Factory	Consult Factory	Consult Factory
5/32 / 4mm	3/8SW-LB3 1/2-GT	3/8SW-LB3 1/2-SS-GT	3/8SW-LB3 1/2-316SS-GT	3/8SW-LB3 1/2-NP-GT	Consult Factory	Consult Factory	Consult Factory
.170	3/8SW-LB4-GT	3/8SW-LB4-SS-GT	3/8SW-LB4-316SS-GT	3/8SW-LB4-NP-GT	Consult Factory	Consult Factory	Consult Factory
3/16	3/8SW-LB5-GT	3/8SW-LB5-SS-GT	3/8SW-LB5-316SS-GT	3/8SW-LB5-NP-GT	Consult Factory	Consult Factory	Consult Factory
7/32	3/8SW-LB5 1/2-GT	3/8SW-LB5 1/2-SS-GT	3/8SW-LB5 1/2-316SS-GT	3/8SW-LB5 1/2-NP-GT	Consult Factory	Consult Factory	Consult Factory
6mm	3/8SW-LB5 3/4-GT	3/8SW-LB5 3/4-SS-GT	3/8SW-LB5 3/4-316SS-GT	3/8SW-LB5 3/4-NP-GT	Consult Factory	Consult Factory	Consult Factory
1/4	3/8SW-LB6-GT	3/8SW-LB6-SS-GT	3/8SW-LB6-316SS-GT	3/8SW-LB6-NP-GT	Consult Factory	Consult Factory	Consult Factory
5/8 / 8mm	3/8SW-LB7-GT	3/8SW-LB7-SS-GT	3/8SW-LB7-316SS-GT	3/8SW-LB7-NP-GT	Consult Factory	Consult Factory	Consult Factory
3/8	3/8SW-LB8-GT	3/8SW-LB8-SS-GT	3/8SW-LB8-316SS-GT	3/8SW-LB8-NP-GT	Consult Factory	Consult Factory	Consult Factory
1/2	3/8SW-LB10-GT	3/8SW-LB10-SS-GT	3/8SW-LB10-316SS-GT	3/8SW-LB10-NP-GT	Consult Factory	Consult Factory	Consult Factory

3/8 NPT Male Pipe Thread Swivel Nipples and Reducing Swivel Nipples

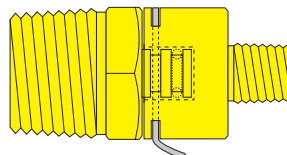
428



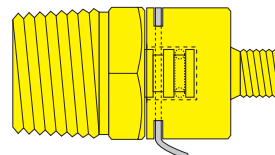
3/8RSWN



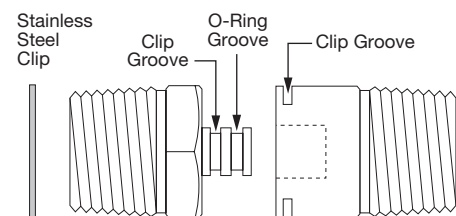
3/8RSWN-1/4-GT



3/8RSWN-1/16-GT



3/8RSWN-4-28-GT



Unassembled Components

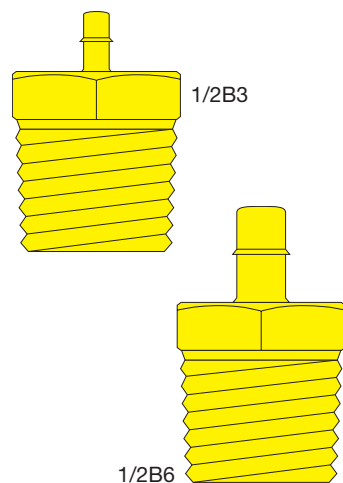
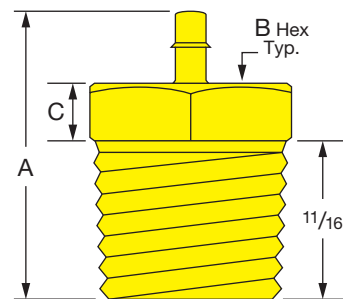
9 O'clock Thread Size	3 O'clock Thread Size	Part Numbers					Dimensions (Reference)		
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
3/8	3/8	3/8SWN-GT	3/8SWN-GT-SS	3/8SWN-GT-316SS	3/8SWN-GT-AL	3/8SWN-GT-NP	Consult Factory	Consult Factory	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

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

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1/2 NPT Male Pipe 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
5/8 / 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 15/32	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

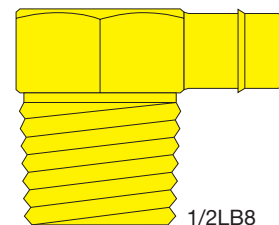
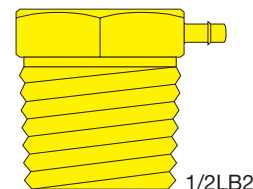
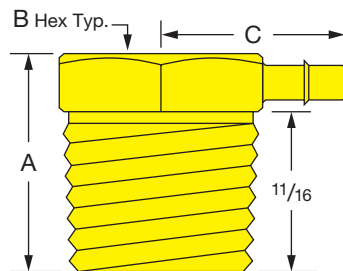


P

430

1/2 NPT Male Pipe 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	19/32
.040 / 1mm	1/2LB.040	1/2LB.040-SS	1/2LB.040-316SS	1/2LB.040-NP	1 5/16	7/8	19/32
3/64	1/2LB.045	1/2LB.045-SS	1/2LB.045-316SS	1/2LB.045-NP	1 5/16	7/8	19/32
.050	1/2LB.050	1/2LB.050-SS	1/2LB.050-316SS	1/2LB.050-NP	1 5/16	7/8	19/32
1/16	1/2LB1	1/2LB1-SS	1/2LB1-316SS	1/2LB1-NP	1 5/16	7/8	21/32
5/64 / 2mm	1/2LB2	1/2LB2-SS	1/2LB2-316SS	1/2LB2-NP	1 5/16	7/8	21/32
3/32	1/2LB2 1/2	1/2LB2 1/2-SS	1/2LB2 1/2-316SS	1/2LB2 1/2-NP	1 5/16	7/8	21/32
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	25/32
3/16	1/2LB5	1/2LB5-SS	1/2LB5-316SS	1/2LB5-NP	1 5/16	7/8	13/16
7/32	1/2LB5 1/2	1/2LB5 1/2-SS	1/2LB5 1/2-316SS	1/2LB5 1/2-NP	1 5/16	7/8	13/16
6mm	1/2LB5 3/4	1/2LB5 3/4-SS	1/2LB5 3/4-316SS	1/2LB5 3/4-NP	1	7/8	15/16
3/8	1/2LB6	1/2LB6-SS	1/2LB6-316SS	1/2LB6-NP	1	7/8	15/16
5/8 / 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	31/32
1/2	1/2LB10	1/2LB10-SS	1/2LB10-316SS	1/2LB10-NP	1 9/32	7/8	1 3/16

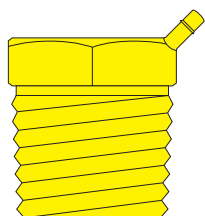
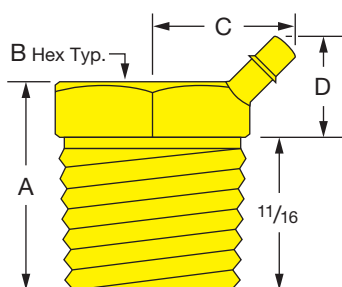


Note: Images are for visual representation only; not intended for dimensional measurements. Dimensions may vary at time of manufacturing. Consult factory for details!

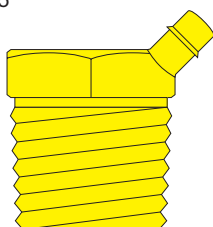


1/2 NPT Male Pipe Thread to Tube 45° Elbows

431



1/2LB1-45°



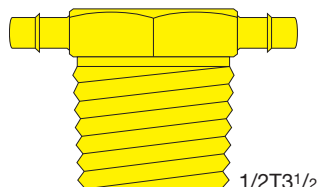
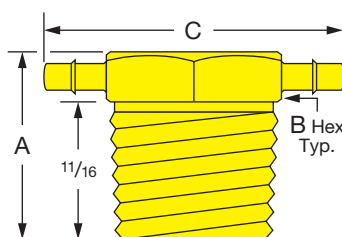
1/2LB4-45°

Custom parts with larger branch sizes available!

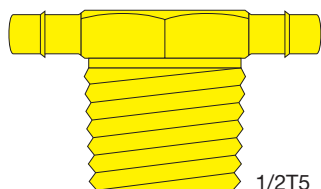
Tube ID	Part Numbers				Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/32	1/2LB.031-45°	1/2LB.031-45°-SS	1/2LB.031-45°-316SS	1/2LB.031-45°-NP	15/16	7/8	Consult Factory	Consult Factory
.040 / 1mm	1/2LB.040-45°	1/2LB.040-45°-SS	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
5/8 / 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 3/32	7/8	Consult Factory	Consult Factory

1/2 NPT Male Pipe Thread to Tube Tees

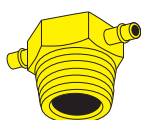
432



1/2T3 1/2



1/2T5



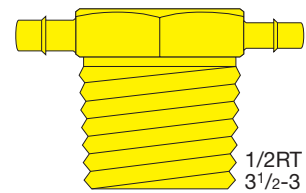
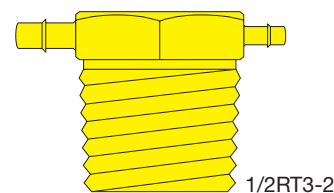
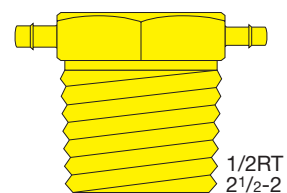
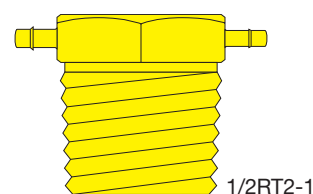
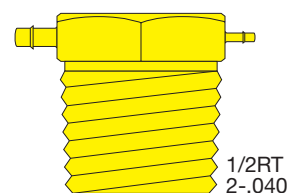
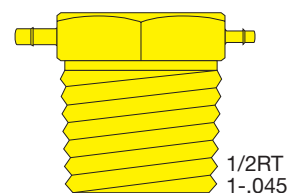
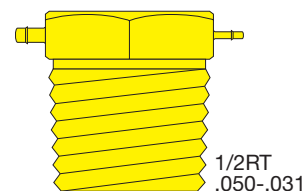
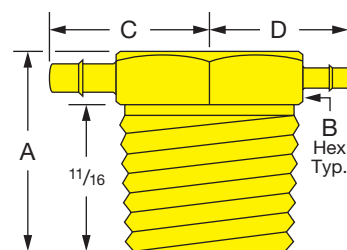
Note: Images are for visual representation only. Dimensions may vary at time of manufacturing. Consult factory for details!

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
5/8 / 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

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1/2 NPT Male Pipe 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

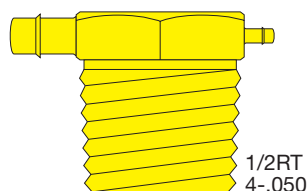
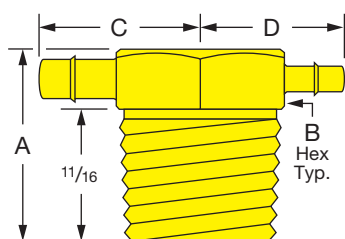
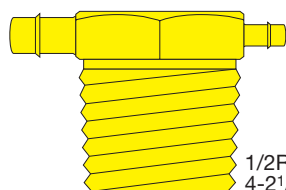
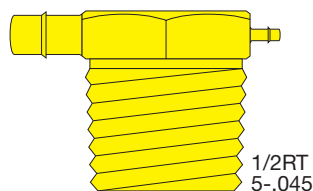
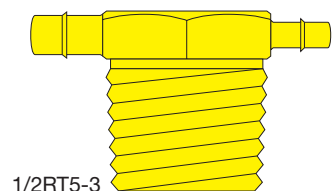


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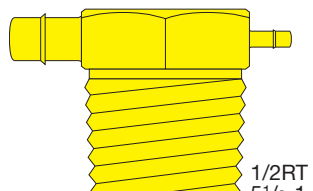
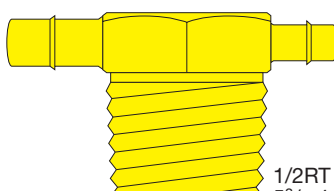
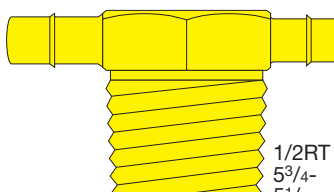


1/2 NPT Male Pipe Thread to Tube Reducing Tees

434

1/2RT
4-.0501/2RT
4-2 1/21/2RT
5-.045

1/2RT 5-3

1/2RT
5 1/2-11/2RT
5 3/4-41/2RT
5 3/4-5 1/2

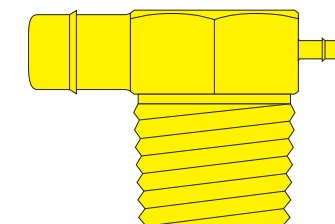
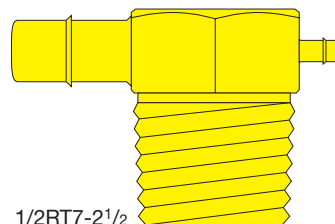
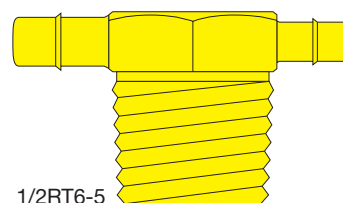
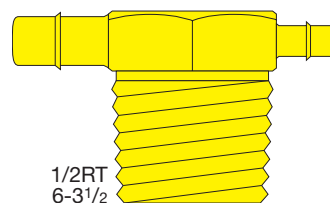
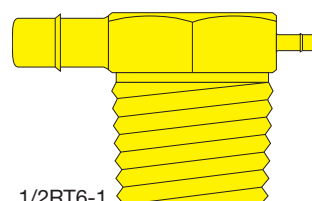
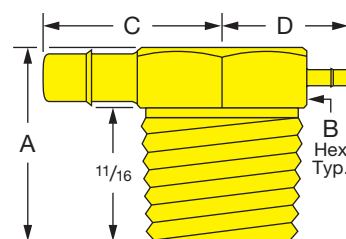
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Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
.170	1/32	1/2RT4-.031	1/2RT4-.031-SS	1/2RT4-.031-316SS	1/2RT4-.031-NP	15/16	7/8	25/32	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
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

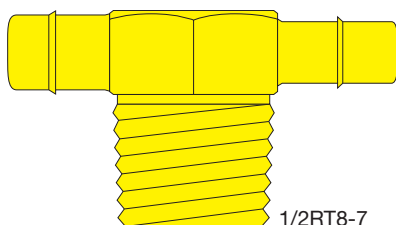
435

1/2 NPT Male Pipe Thread to Tube Reducing Tees

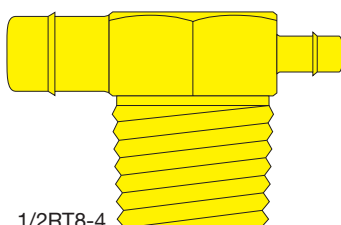
Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/4	1/16	1/2RT6-1	1/2RT6-1-SS	1/2RT6-1-316SS	1/2RT6-1-NP	1	7/8	15/16	21/32
1/4	5/64 / 2mm	1/2RT6-2	1/2RT6-2-SS	1/2RT6-2-316SS	1/2RT6-2-NP	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
3/8	1/8	1/2RT8-3	1/2RT8-3-SS	1/2RT8-3-316SS	1/2RT8-3-NP	1 1/8	7/8	31/32	3/4
3/8	5/32 / 4mm	1/2RT8-3 1/2	1/2RT8-3 1/2-SS	1/2RT8-3 1/2-316SS	1/2RT8-3 1/2-NP	1 1/8	7/8	31/32	3/4
3/8	.170	1/2RT8-4	1/2RT8-4-SS	1/2RT8-4-316SS	1/2RT8-4-NP	1 1/8	7/8	31/32	25/32
3/8	3/16	1/2RT8-5	1/2RT8-5-SS	1/2RT8-5-316SS	1/2RT8-5-NP	1 1/8	7/8	31/32	13/16
3/8	7/32	1/2RT8-5 1/2	1/2RT8-5 1/2-SS	1/2RT8-5 1/2-316SS	1/2RT8-5 1/2-NP	1 1/8	7/8	31/32	13/16
3/8	6mm	1/2RT8-5 3/4	1/2RT8-5 3/4-SS	1/2RT8-5 3/4-316SS	1/2RT8-5 3/4-NP	1 1/8	7/8	31/32	15/16
3/8	1/4	1/2RT8-6	1/2RT8-6-SS	1/2RT8-6-316SS	1/2RT8-6-NP	1 1/8	7/8	31/32	15/16
3/8	5/16 / 8mm	1/2RT8-7	1/2RT8-7-SS	1/2RT8-7-316SS	1/2RT8-7-NP	1 1/8	7/8	31/32	1 1/16



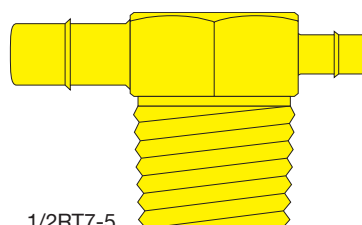
1/2RT8-2



1/2RT8-7



1/2RT8-4



1/2RT7-5

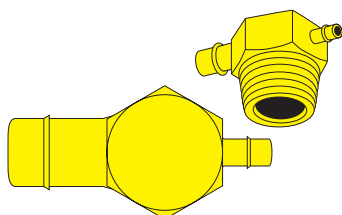
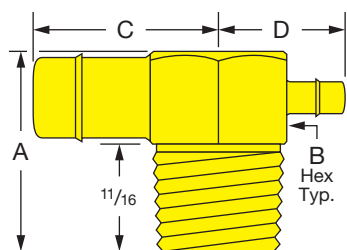
Custom parts with larger branch sizes available! Consult factory for details!

Continued on next page



1/2 NPT Male Pipe Thread to Tube Reducing Tees

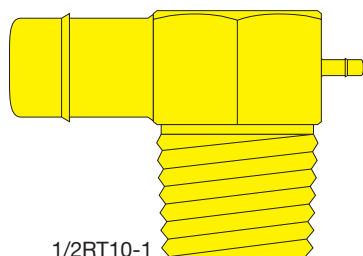
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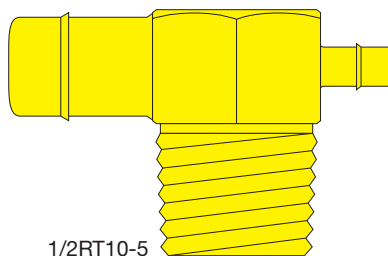
**Custom parts with larger
branch sizes available!
Consult factory for details!**

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

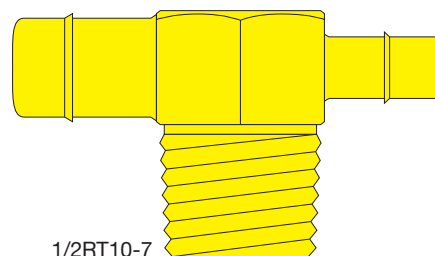
Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/2	1/16	1/2RT10-1	1/2RT10-1-SS	1/2RT10-1-316SS	1/2RT10-1-NP	1 9/32	7/8	1 3/16	2 1/32
1/2	5/64 / 2mm	1/2RT10-2	1/2RT10-2-SS	1/2RT10-2-316SS	1/2RT10-2-NP	1 9/32	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 9/32	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 9/32	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 9/32	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 9/32	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 9/32	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 9/32	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 9/32	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 9/32	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 9/32	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 9/32	7/8	1 3/16	3 1/32



1/2RT10-1

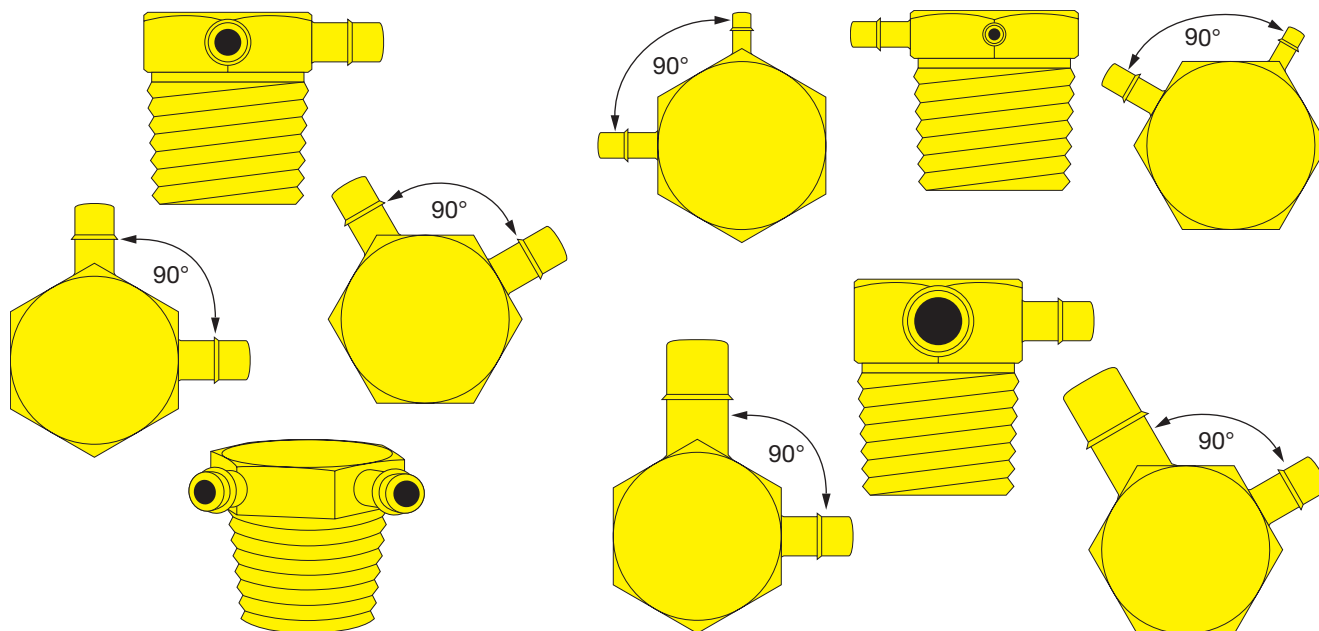


1/2RT10-5



1/2RT10-7

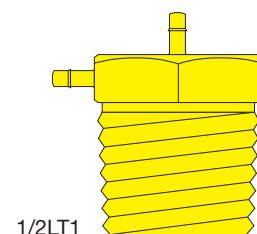
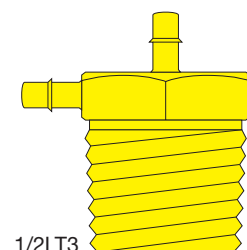
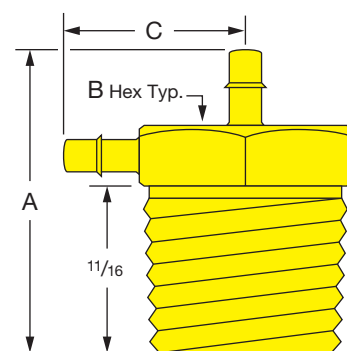
1/2 NPT Male Thread to Tube Fittings with branches at 90° also available! See pages 238 & 239!



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1/2 NPT Male Pipe 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	1 9/32
.040 / 1mm	1/2LT.040	1/2LT.040-SS	1/2LT.040-316SS	1/2LT.040-NP	1 3/32	7/8	1 9/32
3/64	1/2LT.045	1/2LT.045-SS	1/2LT.045-316SS	1/2LT.045-NP	1 3/32	7/8	1 9/32
.050	1/2LT.050	1/2LT.050-SS	1/2LT.050-316SS	1/2LT.050-NP	1 3/32	7/8	1 9/32
1/16	1/2LT1	1/2LT1-SS	1/2LT1-316SS	1/2LT1-NP	1 5/32	7/8	2 1/32
5/64 / 2mm	1/2LT2	1/2LT2-SS	1/2LT2-316SS	1/2LT2-NP	1 5/32	7/8	2 1/32
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	2 1/32
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	2 5/32
3/16	1/2LT5	1/2LT5-SS	1/2LT5-316SS	1/2LT5-NP	1 5/16	7/8	1 3/16
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	1 3/16
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	1 5/16
1/4	1/2LT6	1/2LT6-SS	1/2LT6-316SS	1/2LT6-NP	1 1/2	7/8	1 5/16
5/8 / 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	1 3/16



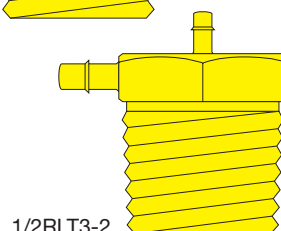
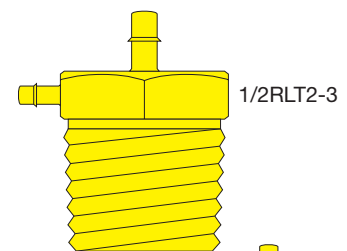
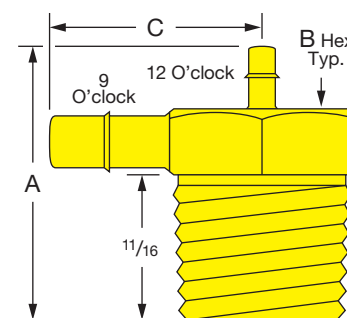
438

1/2 NPT Male Pipe Thread to Tube Reducing L-Tees

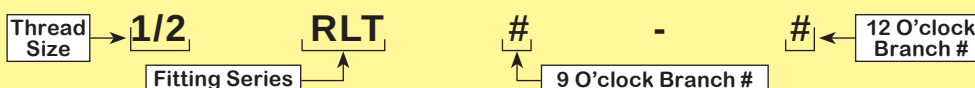
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/32	.031	Consult Factory Consult Factory	7/8	1 9/32
.040 / 1mm	.040		7/8	1 9/32
3/64	.045		7/8	1 9/32
.050	.050		7/8	1 9/32
1/16	1		7/8	2 1/32
5/64 / 2mm	2		7/8	2 1/32
3/32	2 1/2		7/8	2 1/32
1/8	3		7/8	3/4
5/32 / 4mm	3 1/2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

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
.170	4	Consult Factory	7/8	2 5/32
3/16	5		7/8	1 3/16
7/32	5 1/2		7/8	1 3/16
6mm	5 3/4		7/8	1 5/16
1/4	6		7/8	1 5/16
5/8 / 8mm	7		7/8	1 1/16
3/8	8		7/8	3 1/32
1/2	10		7/8	1 3/16

Material options listed below!



Part Numbers for 1/2 Male Pipe Thread to Tube Reducing L-Tees:

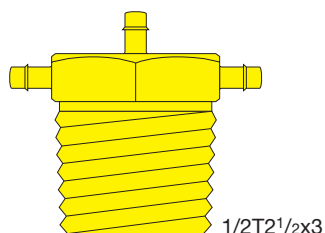
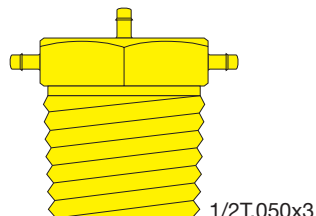
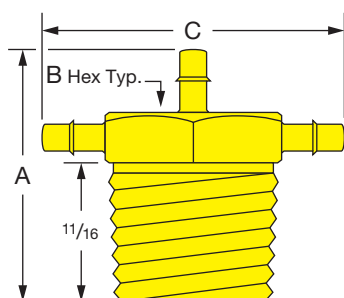


Unless otherwise specified, parts will be Brass. For other materials, add the following codes to the part number:
 -SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate



1/2 NPT Male Pipe Thread to Tube Tees x 3

439

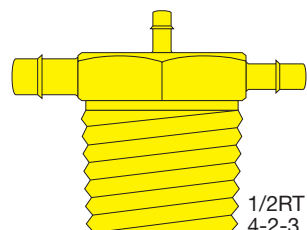
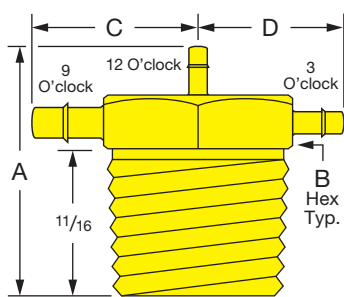


Note: Images are for visual representation only;
not intended for dimensional measurements.

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/2T.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
5/8 / 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 Pipe Thread to Tube Custom Reducing Tees x 3

440



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

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

Material options listed below!

Part Numbers for 1/2 Male Pipe Thread to Tube Reducing Tees x 3:

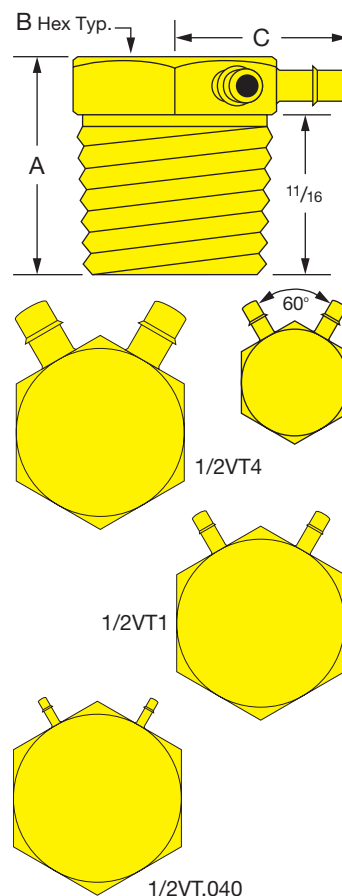
Thread Size	1/2	RT	#	-	#	-	#	3 O'clock Branch #
Fitting Series			9 O'clock Branch #		12 O'clock Branch #			

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

441

1/2 NPT Male Pipe 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
5/8 / 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



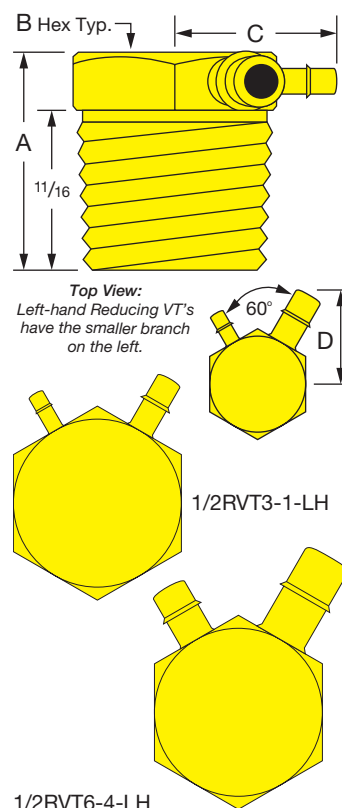
442

1/2 NPT Male Pipe 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
5/8 / 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

Material options listed below!



Part Numbers for 1/2 NPT Male Pipe Thread to Tube Left-Hand Reducing V-Tees:

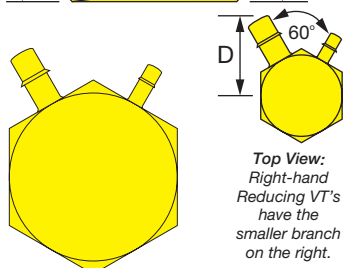
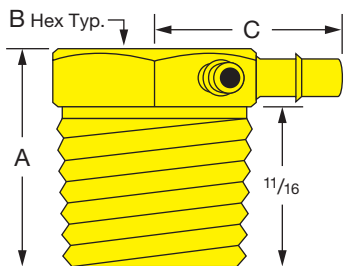
Thread Size	1/2	RVT	#	-	#	-	LH	Left-Hand Indicator
Fitting Series			Larger Branch #		Smaller Branch #			

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

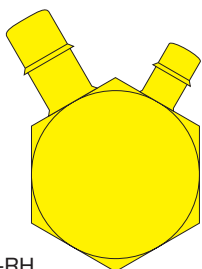


1/2 NPT Male Pipe Thread to Tube Custom Right-Hand Reducing V-Tees

443



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

1/2RVT
3-1-RH

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
5/8 / 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

Material options listed below!

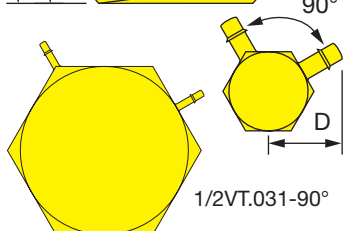
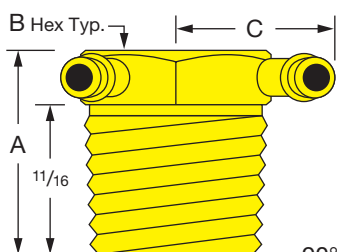
Part Numbers for 1/2 NPT Male Pipe Thread to Tube Right-Hand Reducing V-Tees:

Thread Size	1/2	RVT	#	-	#	-	RH	Right-Hand Indicator
		Fitting Series			Larger Branch #			Smaller Branch #

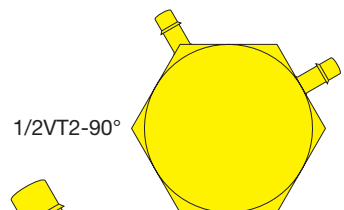
Unless otherwise specified, parts will be Brass. For other materials, add the following codes to the part number:
 -SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

1/2 NPT Male Pipe Thread to Tube 90° V-Tees

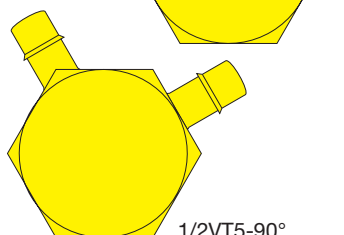
444



1/2VT.031-90°



1/2VT2-90°



1/2VT5-90°

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	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	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	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	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	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	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	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	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	3/4
.170	1/2VT4-90°	1/2VT4-90°-SS	1/2VT4-90°-316SS	1/2VT4-90°-NP	15/16	7/8	25/32	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	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	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	15/16
1/4	1/2VT6-90°	1/2VT6-90°-SS	1/2VT6-90°-316SS	1/2VT6-90°-NP	1	7/8	15/16	15/16
5/8 / 8mm	1/2VT7-90°	1/2VT7-90°-SS	1/2VT7-90°-316SS	1/2VT7-90°-NP	1 1/8	7/8	1 1/16	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	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	13/16

Consult Factory Consult Factory Consult Factory Consult Factory Consult Factory

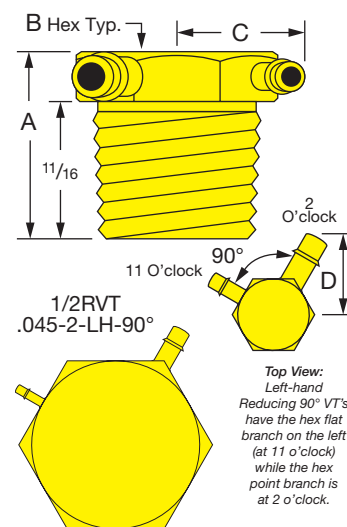
445

1/2 NPT Male Pipe Thread to Tube Custom Reducing Left-Hand 90° V-Tees

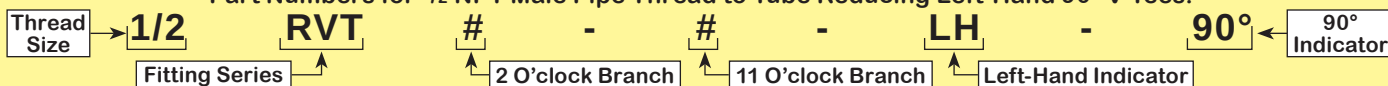
Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	15/16	7/8	19/32	Consult Factory Consult Factory
.040 / 1mm	.040	15/16	7/8	19/32	
3/64	.045	15/16	7/8	19/32	
.050	.050	15/16	7/8	19/32	
1/16	1	15/16	7/8	21/32	
5/64 / 2mm	2	15/16	7/8	21/32	
3/32	2 1/2	15/16	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 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	
5/8 / 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	1 3/16	

Material options listed below!



Part Numbers for 1/2 NPT Male Pipe Thread to Tube Reducing Left-Hand 90° V-Tees:



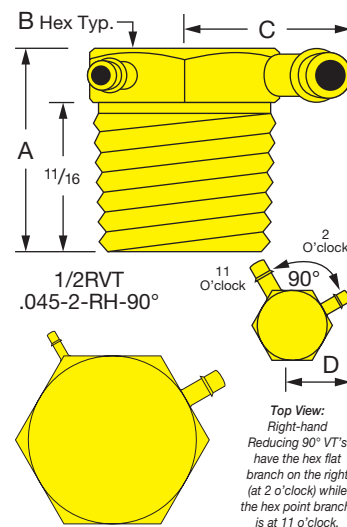
446

1/2 NPT Male Pipe Thread to Tube Custom Reducing Right-Hand 90° V-Tees

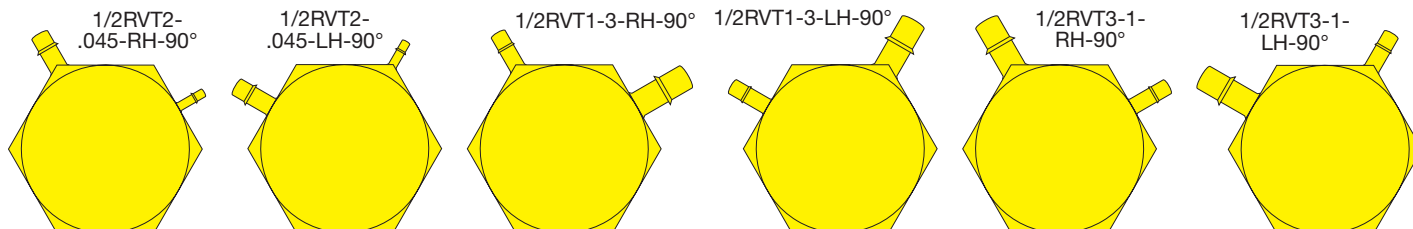
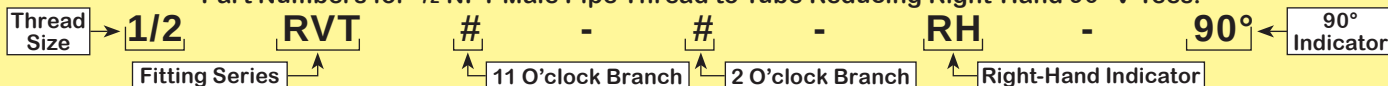
Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	15/16	7/8	19/32	Consult Factory Consult Factory
.040 / 1mm	.040	15/16	7/8	19/32	
3/64	.045	15/16	7/8	19/32	
.050	.050	15/16	7/8	19/32	
1/16	1	15/16	7/8	21/32	
5/64 / 2mm	2	15/16	7/8	21/32	
3/32	2 1/2	15/16	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 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	
5/8 / 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	1 3/16	

Material options listed below!



Part Numbers for 1/2 NPT Male Pipe Thread to Tube Reducing Right-Hand 90° V-Tees:

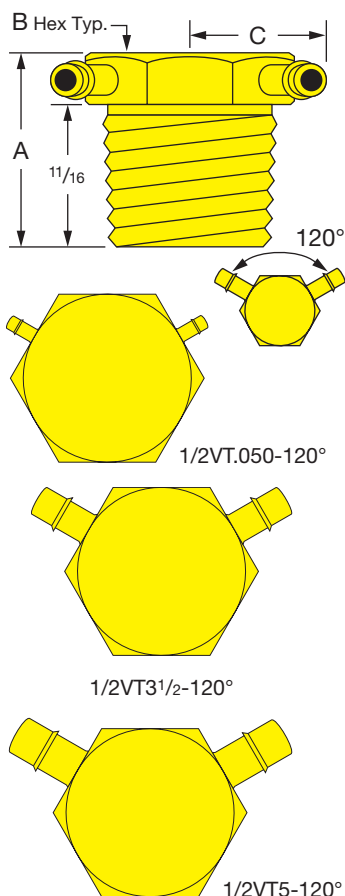


Unless otherwise specified, parts will be Brass. To order other materials, please add the following codes to the part number:
-SS = Stainless Steel 303 **-316SS = Stainless Steel 316** **-NP = Electroless Nickel Plate**



1/2 NPT Male Pipe Thread to Tube 120° V-Tees

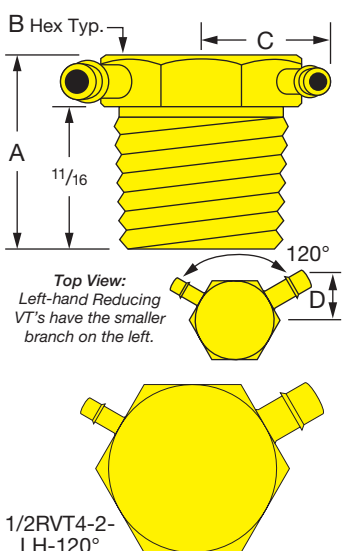
447



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
5/8 / 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 3/2	7/8	1 3/16

1/2 NPT Male Pipe Thread to Tube Custom Reducing Left-Hand 120° V-Tees

448



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
5/8 / 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 3/2	7/8	1 3/16	1 3/16

Material options listed below!

Part Numbers for 1/2 NPT Male Pipe Thread to Tube Reducing Left-Hand 120° V-Tees:

Thread Size	1/2	RVT	#	-	#	-	LH	-	120°	120° Indicator
		Fitting Series	Larger Branch #		Smaller Branch #		Left-Hand Indicator			

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

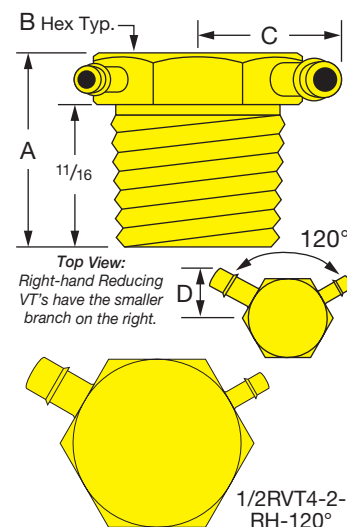
449

1/2 NPT Male Pipe Thread to Tube Custom Reducing Right-Hand 120° V-Tees

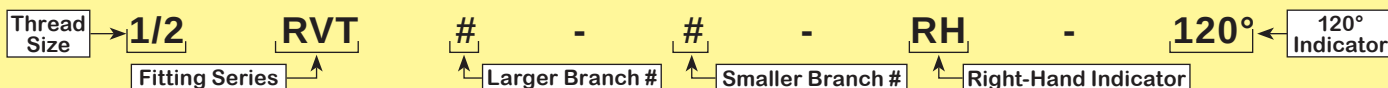
Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	15/16	7/8	25/32	19/32
.040 / 1mm	.040	15/16	7/8	19/32	19/32
3/64	.045	15/16	7/8	19/32	19/32
.050	.050	15/16	7/8	19/32	19/32
1/16	1	15/16	7/8	21/32	21/32
5/64 / 2mm	2	15/16	7/8	21/32	21/32
3/32	2 1/2	15/16	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
5/8 / 8mm	7	1 1/8	7/8	1 1/6	1 1/6
3/8	8	1 1/8	7/8	31/32	31/32
1/2	10	1 3/32	7/8	1 3/16	1 3/16

Material options listed on previous page!



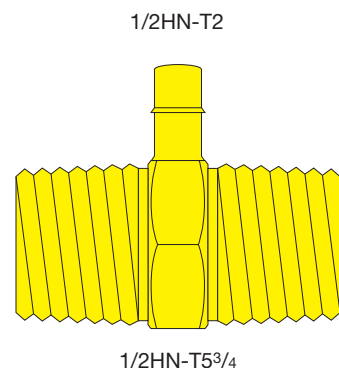
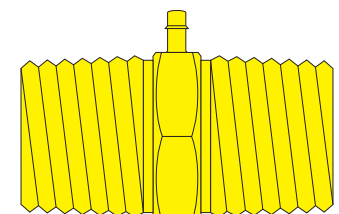
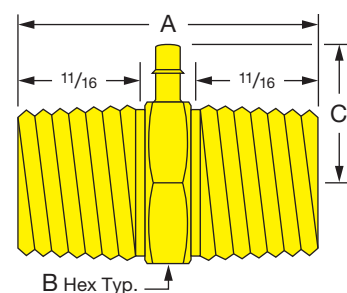
Part Numbers for 1/2 NPT Male Pipe Thread to Tube Reducing Right-Hand 120° V-Tees:



450

1/2 NPT Male Pipe 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	1 5/8	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	1 5/8	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	1 5/8	7/8	19/32
.050	1/2HN-T.050	1/2HN-T.050-SS	1/2HN-T.050-316SS	1/2HN-T.050-NP	1 5/8	7/8	19/32
1/16	1/2HN-T1	1/2HN-T1-SS	1/2HN-T1-316SS	1/2HN-T1-NP	1 5/8	7/8	21/32
5/64 / 2mm	1/2HN-T2	1/2HN-T2-SS	1/2HN-T2-316SS	1/2HN-T2-NP	1 5/8	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	1 5/8	7/8	21/32
1/8	1/2HN-T3	1/2HN-T3-SS	1/2HN-T3-316SS	1/2HN-T3-NP	1 5/8	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	1 5/8	7/8	3/4
.170	1/2HN-T4	1/2HN-T4-SS	1/2HN-T4-316SS	1/2HN-T4-NP	1 5/8	7/8	25/32
3/16	1/2HN-T5	1/2HN-T5-SS	1/2HN-T5-316SS	1/2HN-T5-NP	1 5/8	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 11/16	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 11/16	7/8	15/16
1/4	1/2HN-T6	1/2HN-T6-SS	1/2HN-T6-316SS	1/2HN-T6-NP	1 11/16	7/8	15/16
5/8 / 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	1 3/16



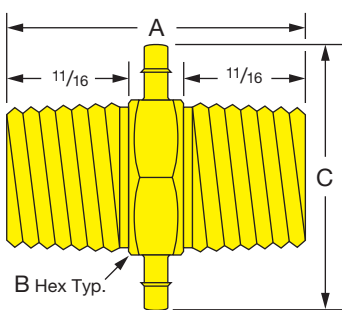
Other Male Pipe Thread Hex Nipple options listed on page 426!

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

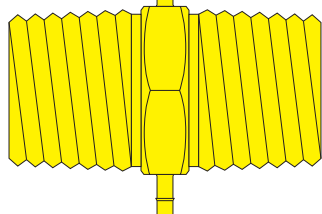


1/2 NPT Male Pipe Thread Nipples with Tube Branches: Crosses

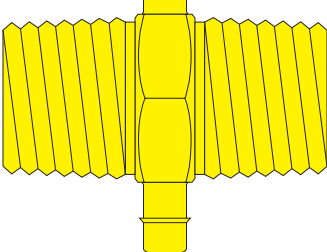
451



1/2HN-X1



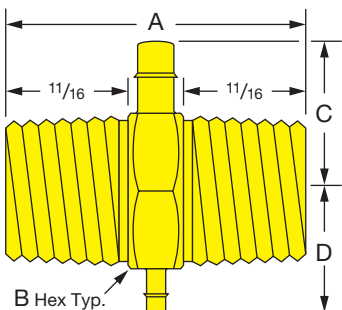
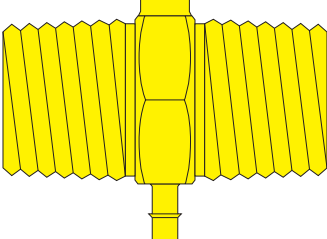
1/2HN-X5 1/2



Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	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
5/8 / 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 Pipe Thread Nipples with Tube Branches: Reducing Crosses

452

1/2HN-RX
6-3

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
5/8 / 8mm	7	1 13/16	7/8	1 1/16	1 1/16
3/8	8	1 13/16	7/8	3/32	3/32
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

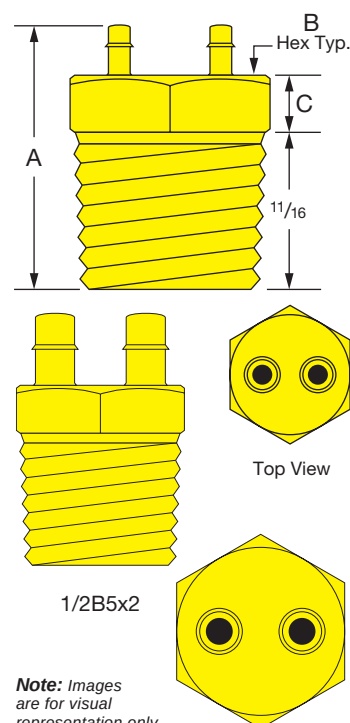
Larger Branch #

Unless otherwise specified, parts will be Brass. 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

453

1/2 NPT Male Pipe Thread Straight Manifolds with 2 Branches

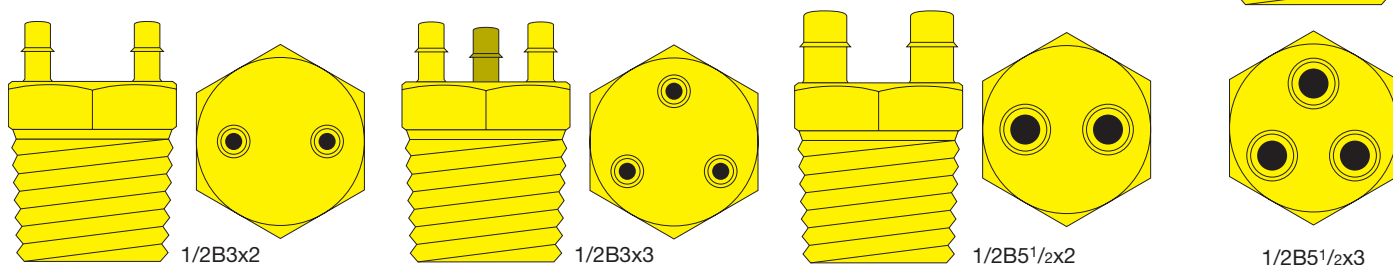
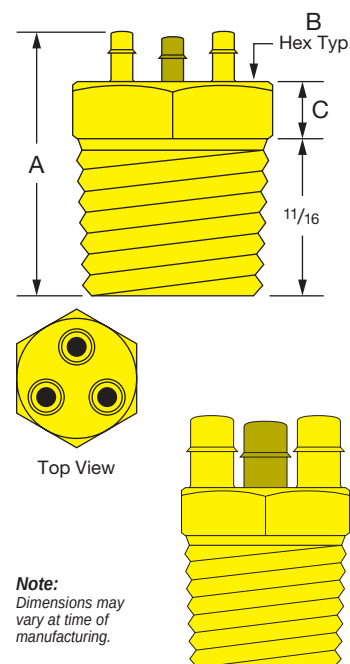
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/2B.031x2	1/2B.031x2-SS	1/2B.031x2-316SS	1/2B.031x2-NP	1 3/32	7/8	1/4
.040 / 1mm	1/2B.040x2	1/2B.040x2-SS	1/2B.040x2-316SS	1/2B.040x2-NP	1 3/32	7/8	1/4
3/64	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



454

1/2 NPT Male Pipe Thread Straight Manifolds with 3 Branches

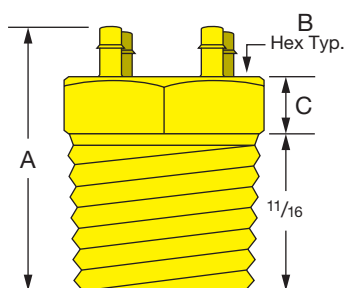
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/2B.031x3	1/2B.031x3-SS	1/2B.031x3-316SS	1/2B.031x3-NP	1 3/32	7/8	1/4
.040 / 1mm	1/2B.040x3	1/2B.040x3-SS	1/2B.040x3-316SS	1/2B.040x3-NP	1 3/32	7/8	1/4
3/64	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



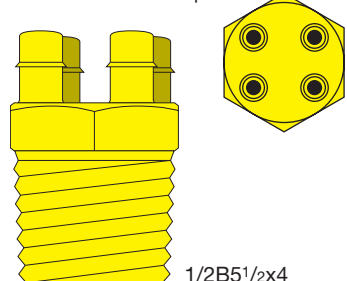
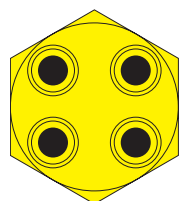


1/2 NPT Male Pipe Thread Straight Manifolds with 4 Branches

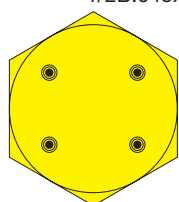
455



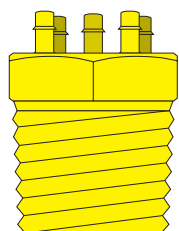
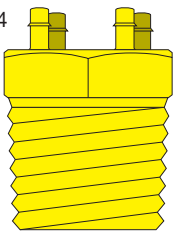
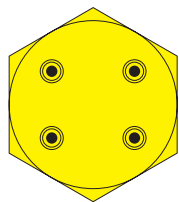
Top View

1/2B5¹/₂x4

1/2B.045x4



1/2B2x4



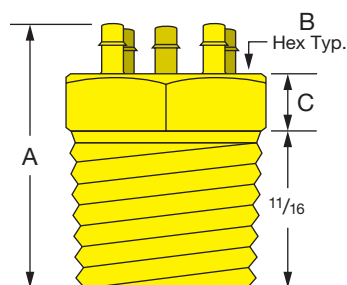
1/2B2x5

Note:
Dimensions may vary at
time of manufacturing.

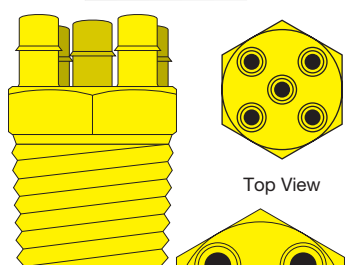
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/2B.031x4	1/2B.031x4-SS	1/2B.031x4-316SS	1/2B.031x4-NP	1 3/32	7/8	1/4
.040 / 1mm	1/2B.040x4	1/2B.040x4-SS	1/2B.040x4-316SS	1/2B.040x4-NP	1 3/32	7/8	1/4
3/64	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 / ₂ x4	1/2B2 ¹ / ₂ x4-SS	1/2B2 ¹ / ₂ x4-316SS	1/2B2 ¹ / ₂ x4-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 / ₂ x4	1/2B3 ¹ / ₂ x4-SS	1/2B3 ¹ / ₂ x4-316SS	1/2B3 ¹ / ₂ x4-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 / ₂ x4	1/2B5 ¹ / ₂ x4-SS	1/2B5 ¹ / ₂ x4-316SS	1/2B5 ¹ / ₂ x4-NP	1 5/16	7/8	1/4

1/2 NPT Male Pipe Thread Straight Manifolds with 5 Branches

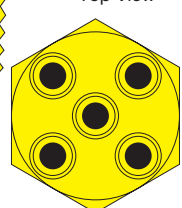
456



Top View

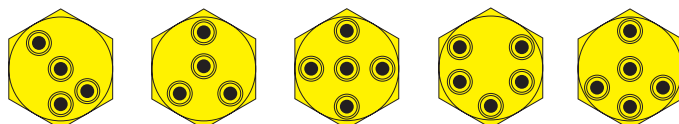


1/2B5x5



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 / ₂ x5	1/2B2 ¹ / ₂ x5-SS	1/2B2 ¹ / ₂ x5-316SS	1/2B2 ¹ / ₂ x5-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 / ₂ x5	1/2B3 ¹ / ₂ x5-SS	1/2B3 ¹ / ₂ x5-316SS	1/2B3 ¹ / ₂ x5-NP	1 1/4	7/8	1/4
.170	1/2B4x5	1/2B4x5-SS	1/2B4x5-316SS	1/2B4x5-NP	1 9/32	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
locations available!!
See template on
page 245!

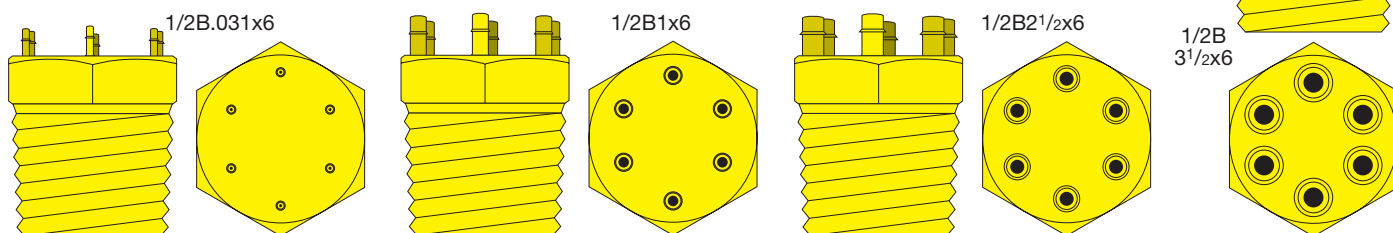
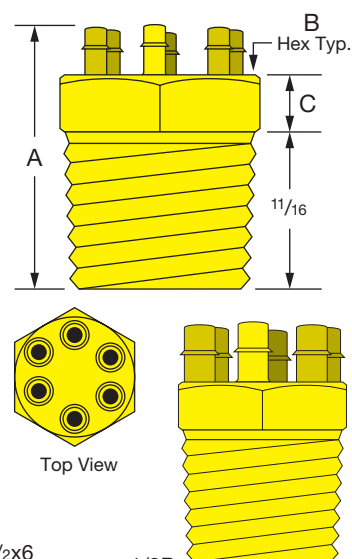


Note:
Images are for visual representation only;
not intended for dimensional measurements.

457

1/2 NPT Male Pipe 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

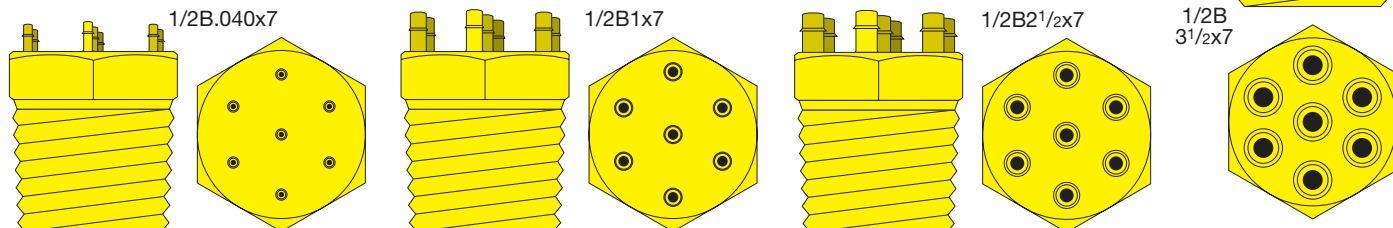
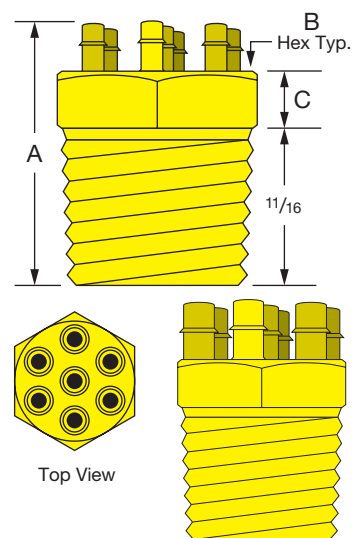


P

458

1/2 NPT Male Pipe 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 your Straight Manifolds with alternate branch locations!!
Use the template on page 249 to indicate branch placement!!

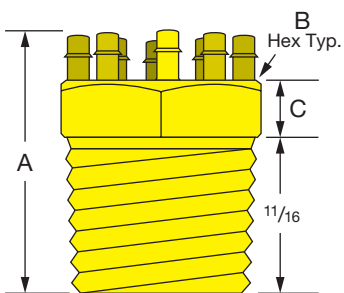
Note:

Number of branches and branch sizes may vary depending on branch location/placement. Dimensions may vary at time of manufacturing. Consult factory for details!

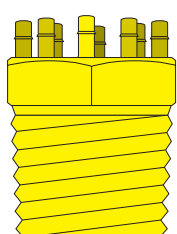


1/2 NPT Male Pipe Thread Straight Manifolds with 8 Branches

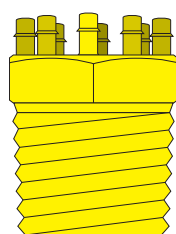
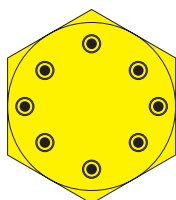
459



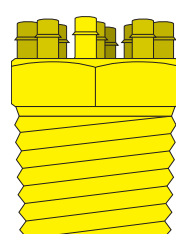
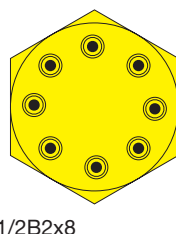
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/2B.031x8	1/2B.031x8-SS	1/2B.031x8-316SS	1/2B.031x8-NP	1 3/32	7/8	1/4
.040 / 1mm	1/2B.040x8	1/2B.040x8-SS	1/2B.040x8-316SS	1/2B.040x8-NP	1 3/32	7/8	1/4
3/64	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



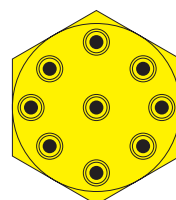
1/2B1x8



1/2B2x8

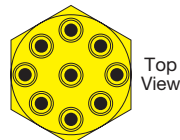
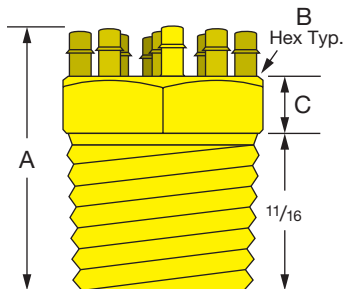


1/2B2 1/2x8

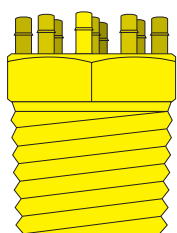


1/2 NPT Male Pipe Thread Straight Manifolds with 9 Branches

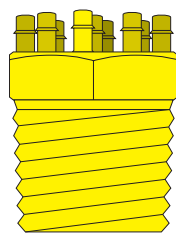
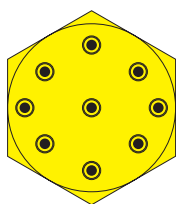
460



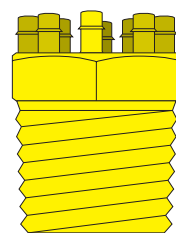
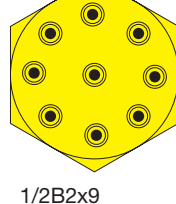
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/2B.031x9	1/2B.031x9-SS	1/2B.031x9-316SS	1/2B.031x9-NP	1 3/32	7/8	1/4
.040 / 1mm	1/2B.040x9	1/2B.040x9-SS	1/2B.040x9-316SS	1/2B.040x9-NP	1 3/32	7/8	1/4
3/64	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



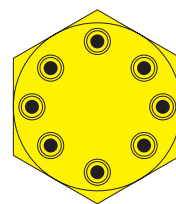
1/2B1x9



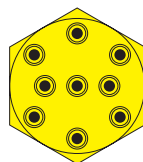
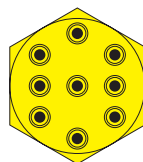
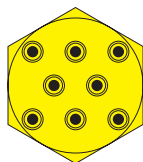
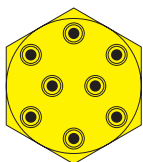
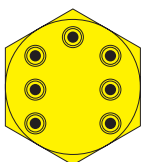
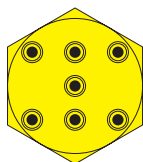
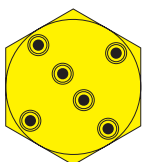
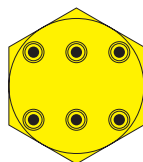
1/2B2x9



1/2B2 1/2x8



Customize your Straight Manifolds with alternate branch locations!! See the template on page 245!

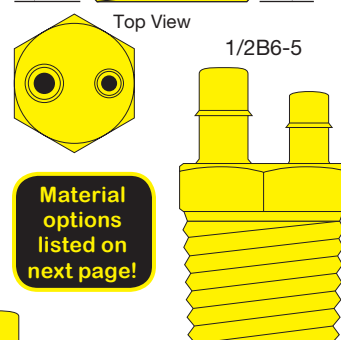
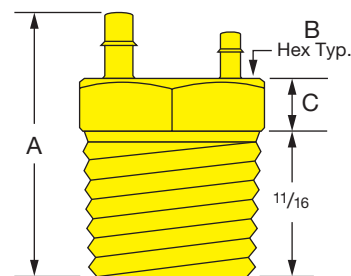


461

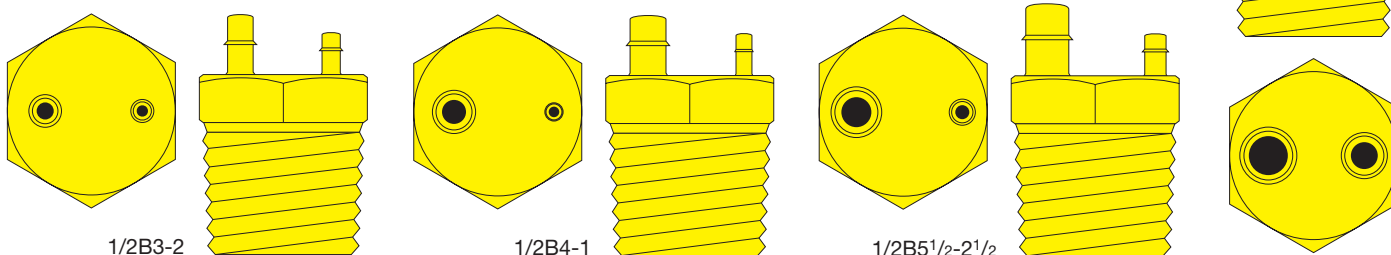
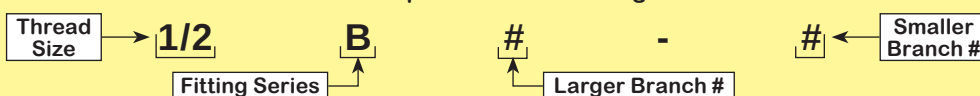
1/2 NPT Male Pipe Thread Straight Reducing Manifolds with 2 Branches

Branches		Dimensions (Reference)		
Tube ID	Branch Number	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
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

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



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

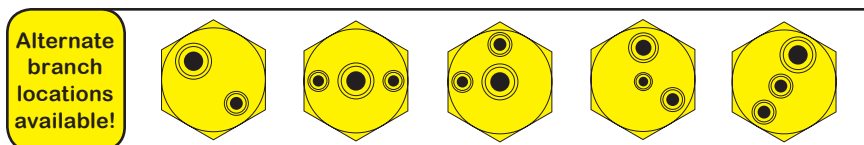
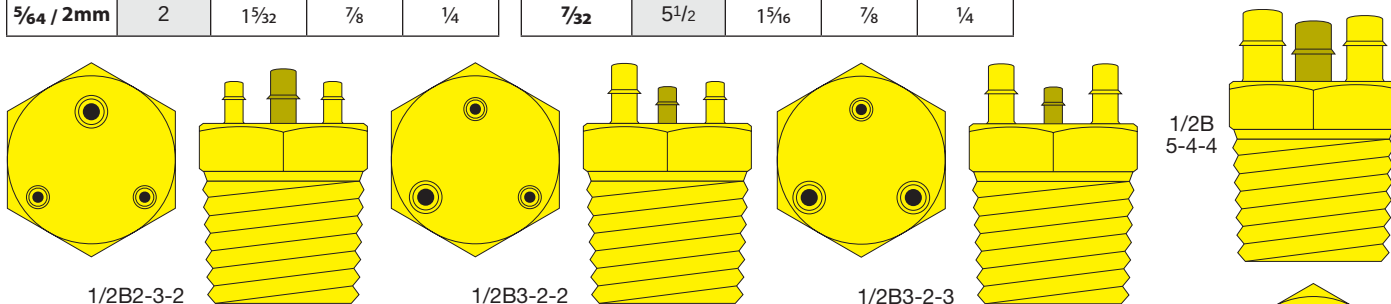
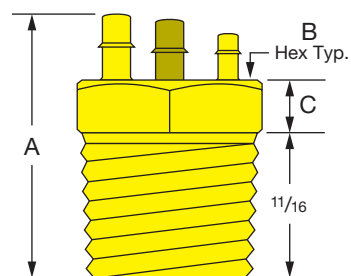


462

1/2 NPT Male Pipe Thread Straight Reducing Manifolds with 3 Branches

Branches		Dimensions (Reference)		
Tube ID	Branch Number	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
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 Number	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
.170	4	1 5/16	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

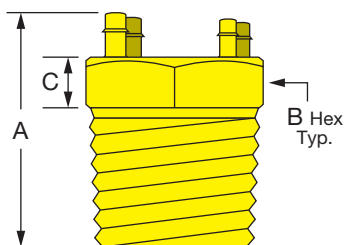


Use the template on page 249 to indicate branch sizes & locations. Material options listed on next page!



1/2 NPT Male Pipe Thread Straight Reducing Manifolds with 4 Branches

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Use the template on page 249 to indicate branch sizes and placement!

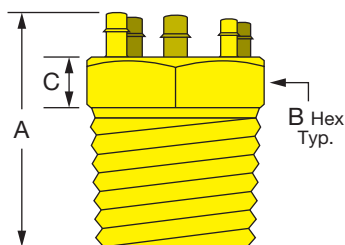
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/32	.031	1 3/32	7/8	1/4
.040 / 1mm	.040	1 3/32	7/8	1/4
3/64	.045	1 3/32	7/8	1/4
.050	.050	1 3/32	7/8	1/4
1/16	1	1 5/32	7/8	1/4
5/64 / 2mm	2	1 5/32	7/8	1/4

Branches		Dimensions (Reference)		
Tube ID	Branch Number	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
.170	4	1 1/16	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

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

1/2 NPT Male Pipe Thread Straight Reducing Manifolds with 5 Branches

464



Use the template on page 249 to indicate branch sizes and placement!

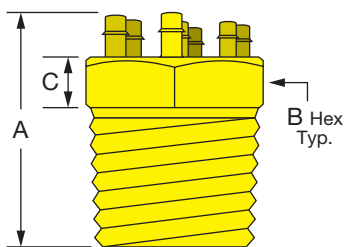
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/32	.031	1 3/32	7/8	1/4
.040 / 1mm	.040	1 3/32	7/8	1/4
3/64	.045	1 3/32	7/8	1/4
.050	.050	1 3/32	7/8	1/4
1/16	1	1 5/32	7/8	1/4
5/64 / 2mm	2	1 5/32	7/8	1/4

Branches		Dimensions (Reference)		
Tube ID	Branch Number	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
.170	4	1 1/16	7/8	1/4
3/16	5	1 5/16	7/8	1/4

Material options listed above!

1/2 NPT Male Pipe Thread Straight Reducing Manifolds with 6 or 7 Branches

465

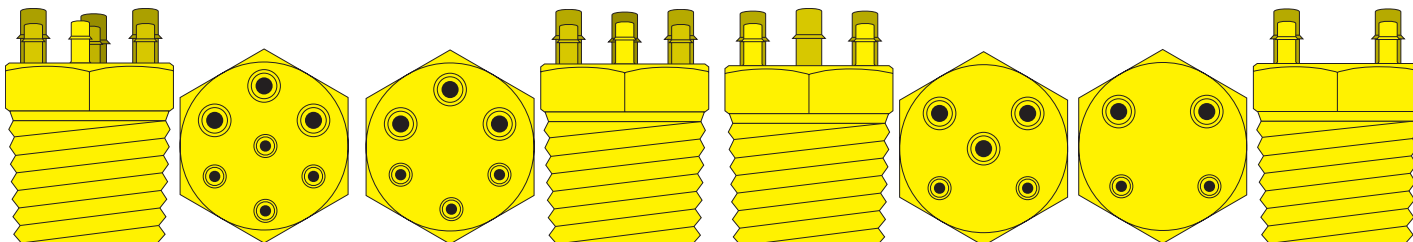


Use the template on page 249!

Branches		Dimensions (Reference)		
Tube ID	Branch Number	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
1/16	1	1 5/32	7/8	1/4

Branches		Dimensions (Reference)		
Tube ID	Branch Number	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
1/8	3	1 1/4	7/8	1/4
5/32 / 4mm	3 1/2	1 1/4	7/8	1/4

Material options listed above!



Customize your Straight Manifolds with alternate branch locations!! See the template on page 249!

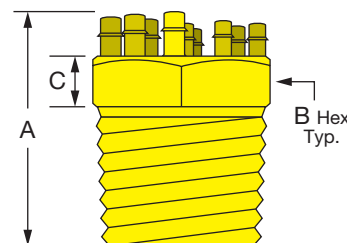
466

1/2 NPT Male Pipe Thread Straight Reducing Manifolds with 8 or 9 Branches

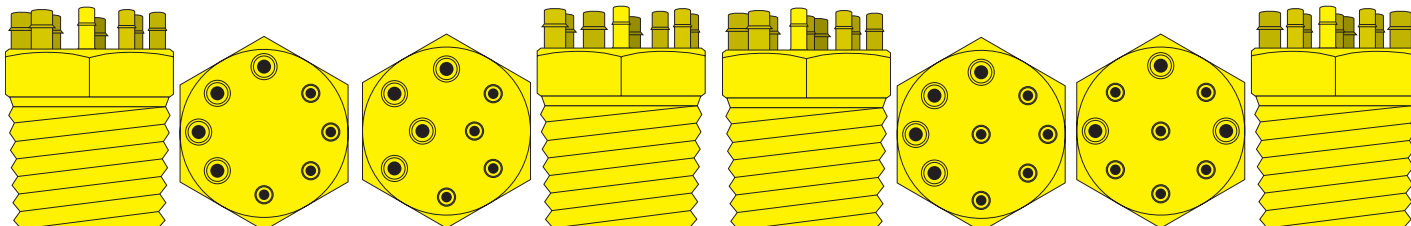
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/32	.031	1 3/32	7/8	1/4
.040 / 1mm	.040	1 3/32	7/8	1/4
3/64	.045	1 3/32	7/8	1/4
.050	.050	1 3/32	7/8	1/4

Branches		Dimensions (Reference)		
Tube ID	Branch Number	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

Material options listed on previous page!



Use the template below!



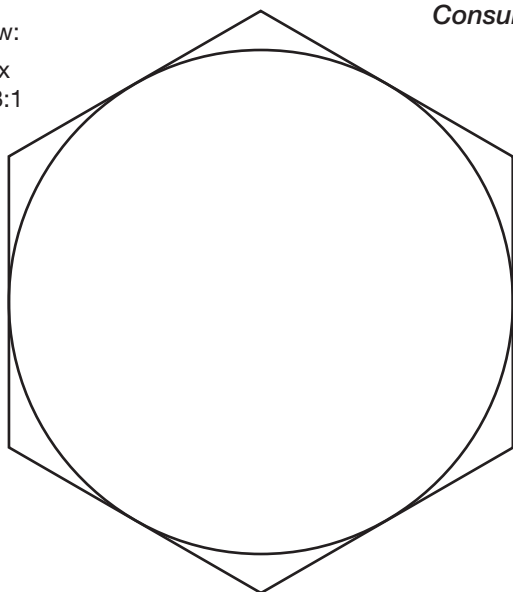
1/2 NPT Male Thread Straight Manifold Template for Branch Sizes and Locations

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 pages 243 - 249 for Branch Numbers and Tube ID's. Upon receipt of this template, a part number* will be issued. Note: The number of branches that will fit on the manifold hex will vary depending on the branch sizes desired.

Consult factory for details!

Top View:
7/8 Hex
Scaled 3:1



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:

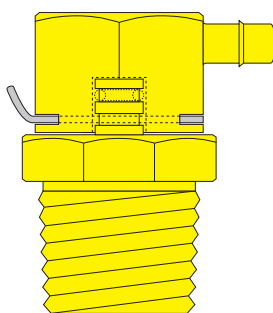
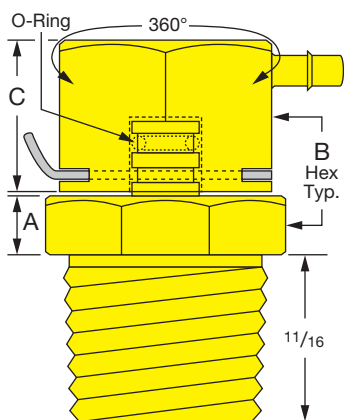
1st Branch (1) = 1 6th Branch (6) = 2
 2nd Branch (2) = 2 7th Branch (7) = 1
 3rd Branch (3) = 1 8th Branch (8) = 2
 4th Branch (4) = 2 9th Branch (9) = 2
 5th Branch (5) = 1

Five #2 Branches (2nd, 4th, 6th, 8th & 9th)
 Four #1 Branches (1st, 3rd, 5th, 7th)



1/2 NPT Male Pipe Thread to Tube Swivel Elbows with Clip Groove

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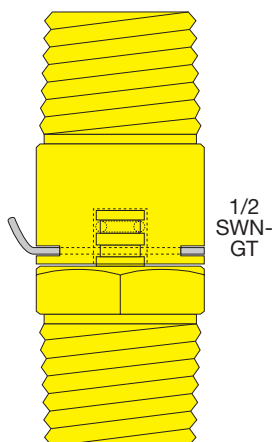
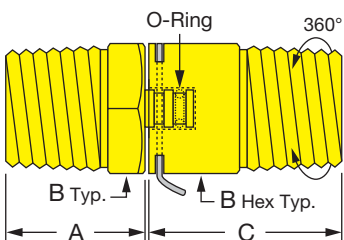
1/2SW-LB5-GT

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-SS-GT	1/2SW-LB.031-316SS-GT	1/2SW-LB.031-NP-GT	Consult Factory	Consult Factory	Consult Factory
.040 / 1mm	1/2SW-LB.040-GT	1/2SW-LB.040-SS-GT	1/2SW-LB.040-316SS-GT	1/2SW-LB.040-NP-GT	Consult Factory	Consult Factory	Consult Factory
3/64	1/2SW-LB.045-GT	1/2SW-LB.045-SS-GT	1/2SW-LB.045-316SS-GT	1/2SW-LB.045-NP-GT	Consult Factory	Consult Factory	Consult Factory
.050	1/2SW-LB.050-GT	1/2SW-LB.050-SS-GT	1/2SW-LB.050-316SS-GT	1/2SW-LB.050-NP-GT	Consult Factory	Consult Factory	Consult Factory
1/16	1/2SW-LB1-GT	1/2SW-LB1-SS-GT	1/2SW-LB1-316SS-GT	1/2SW-LB1-NP-GT	Consult Factory	Consult Factory	Consult Factory
5/64 / 2mm	1/2SW-LB2-GT	1/2SW-LB2-SS-GT	1/2SW-LB2-316SS-GT	1/2SW-LB2-NP-GT	Consult Factory	Consult Factory	Consult Factory
3/32	1/2SW-LB2 1/2-GT	1/2SW-LB2 1/2-SS-GT	1/2SW-LB2 1/2-316SS-GT	1/2SW-LB2 1/2-NP-GT	Consult Factory	Consult Factory	Consult Factory
1/8	1/2SW-LB3-GT	1/2SW-LB3-SS-GT	1/2SW-LB3-316SS-GT	1/2SW-LB3-NP-GT	Consult Factory	Consult Factory	Consult Factory
5/32 / 4mm	1/2SW-LB3 1/2-GT	1/2SW-LB3 1/2-SS-GT	1/2SW-LB3 1/2-316SS-GT	1/2SW-LB3 1/2-NP-GT	Consult Factory	Consult Factory	Consult Factory
.170	1/2SW-LB4-GT	1/2SW-LB4-SS-GT	1/2SW-LB4-316SS-GT	1/2SW-LB4-NP-GT	Consult Factory	Consult Factory	Consult Factory
3/16	1/2SW-LB5-GT	1/2SW-LB5-SS-GT	1/2SW-LB5-316SS-GT	1/2SW-LB5-NP-GT	Consult Factory	Consult Factory	Consult Factory
7/32	1/2SW-LB5 1/2-GT	1/2SW-LB5 1/2-SS-GT	1/2SW-LB5 1/2-316SS-GT	1/2SW-LB5 1/2-NP-GT	Consult Factory	Consult Factory	Consult Factory
6mm	1/2SW-LB5 3/4-GT	1/2SW-LB5 3/4-SS-GT	1/2SW-LB5 3/4-316SS-GT	1/2SW-LB5 3/4-NP-GT	Consult Factory	Consult Factory	Consult Factory
1/4	1/2SW-LB6-GT	1/2SW-LB6-SS-GT	1/2SW-LB6-316SS-GT	1/2SW-LB6-NP-GT	Consult Factory	Consult Factory	Consult Factory
5/8 / 8mm	1/2SW-LB7-GT	1/2SW-LB7-SS-GT	1/2SW-LB7-316SS-GT	1/2SW-LB7-NP-GT	Consult Factory	Consult Factory	Consult Factory
3/8	1/2SW-LB8-GT	1/2SW-LB8-SS-GT	1/2SW-LB8-316SS-GT	1/2SW-LB8-NP-GT	Consult Factory	Consult Factory	Consult Factory
1/2	1/2SW-LB10-GT	1/2SW-LB10-SS-GT	1/2SW-LB10-316SS-GT	1/2SW-LB10-NP-GT	Consult Factory	Consult Factory	Consult Factory

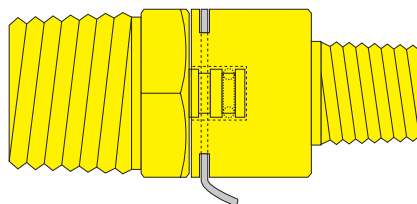
1/2 NPT Male Pipe Thread Swivel Nipples and Reducing Swivel Nipples

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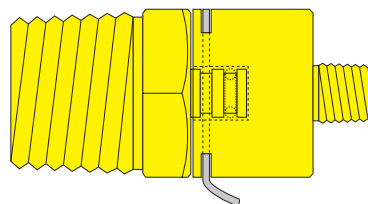


1/2 SWN-GT

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-1/4-28-GT	1/2RSWN-1/4-28-GT-SS	1/2RSWN-1/4-28-GT-316SS	1/2RSWN-1/4-28-GT-AL	1/2RSWN-1/4-28-GT-NP	Consult Factory	Consult Factory	Consult Factory
1/2	1/4-20	1/2RSWN-1/4-20-GT	1/2RSWN-1/4-20-GT-SS	1/2RSWN-1/4-20-GT-316SS	1/2RSWN-1/4-20-GT-AL	1/2RSWN-1/4-20-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-1/4-GT



1/2RSWN-1/16-GT

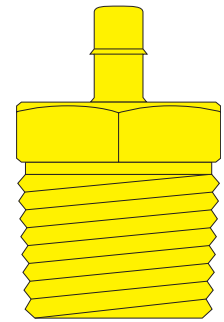
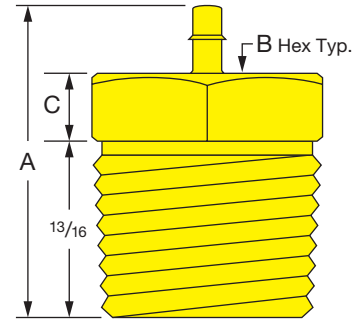
O-Ring options available for parallel threads. O-Ring materials listed on page 65!

See GT Series for other Swivel options!!

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3/4 NPT Male Pipe 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
5/8 / 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
3/4	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

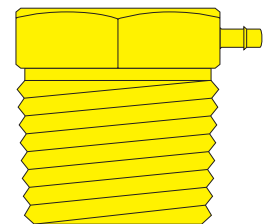
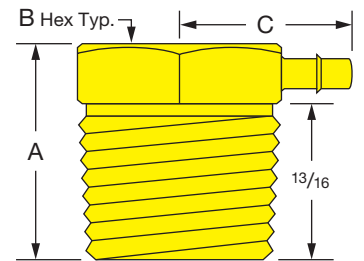
Note: Images are for visual representation only; not intended for dimensional measurements. Dimensions may vary at time of manufacturing. Consult Factory for Details!

Q

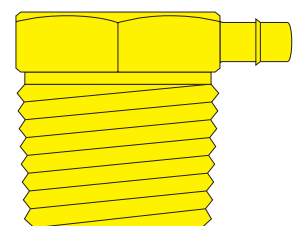
470

3/4 NPT Male Pipe 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
3/8	3/4LB6	3/4LB6-SS	3/4LB6-316SS	3/4LB6-NP	1 1/8	1 1/16	1 1/32
5/8 / 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
3/4	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

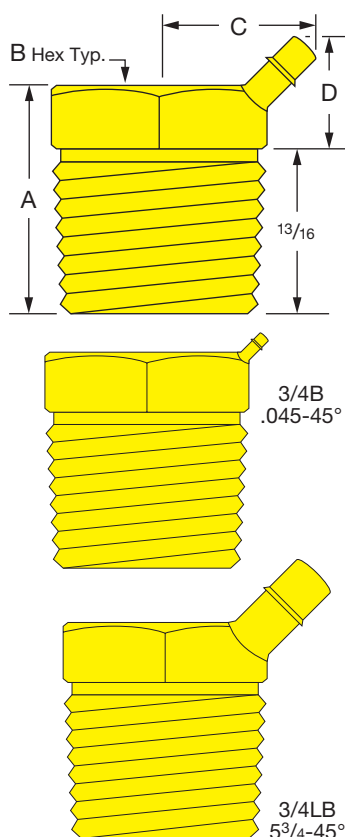


3/4LB5



3/4 NPT Male Pipe Thread to Tube 45° Elbows

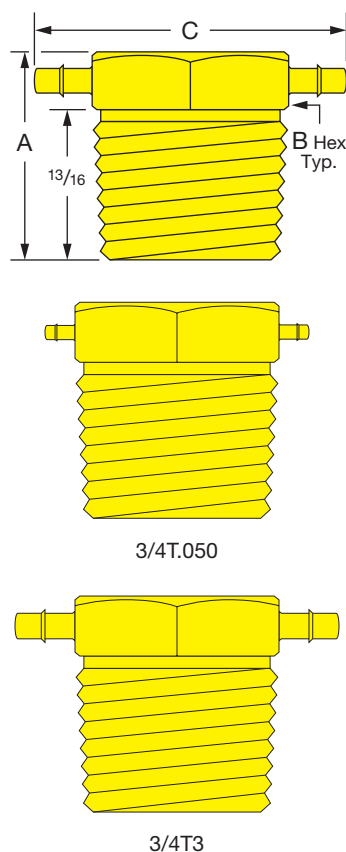
471



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
5/8 / 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
3/4	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 Pipe Thread to Tube Tees

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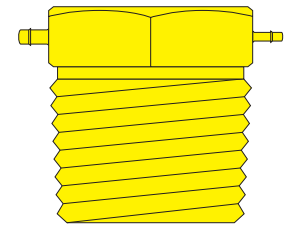
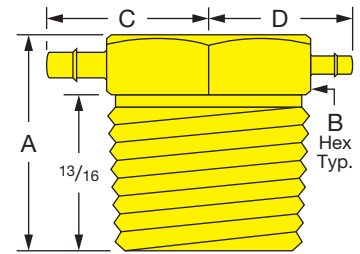


Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	3/4T.031	3/4T.031-SS	3/4T.031-316SS	3/4T.031-NP	1 1/8	1 1/16	1 3/8
.040 / 1mm	3/4T.040	3/4T.040-SS	3/4T.040-316SS	3/4T.040-NP	1 1/8	1 1/16	1 3/8
3/64	3/4T.045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

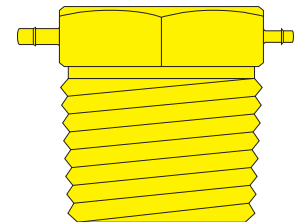
473

3/4 NPT Male Pipe Thread to Tube Reducing Tees

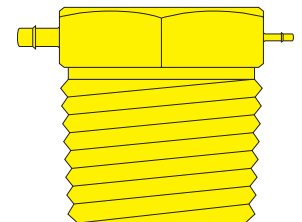
Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
.040 / 1mm	1/32	3/4RT.040-.031	3/4RT.040-.031-SS	3/4RT.040-.031-316SS	3/4RT.040-.031-NP	1 1/8	1 1/16	1 1/16	1 1/16
3/64	1/32	3/4RT.045-.031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



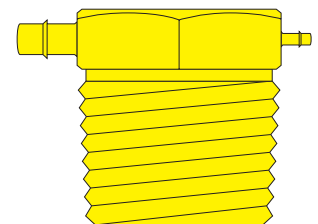
3/4RT.050-.040



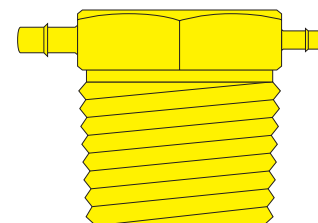
3/4RT1-.045



3/4RT2-.031



3/4RT3 1/2-.045



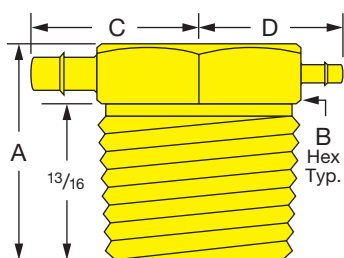
3/4RT3-2

Note: Images are for visual representation only;
not intended for dimensional measurements.
Continued on next page

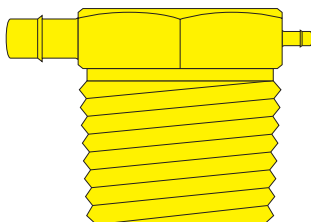


3/4 NPT Male Pipe Thread to Tube Reducing Tees

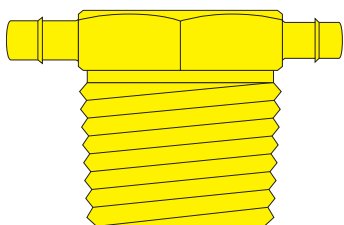
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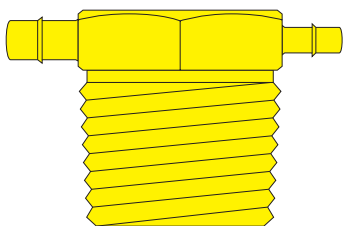
3/4RT4-1



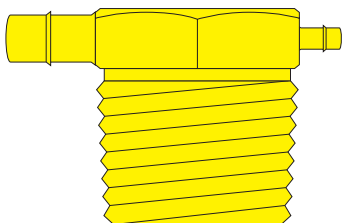
3/4RT5-.050



3/4RT5-4



3/4RT5 1/2-3



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

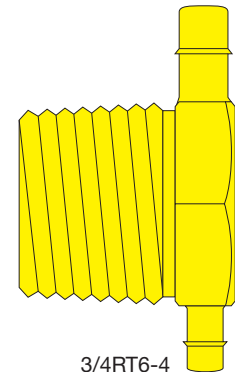
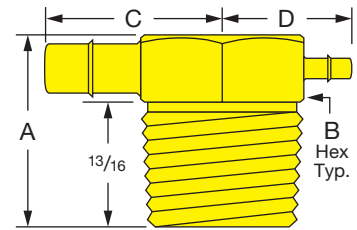
Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
.170	1/32	3/4RT4-.031	3/4RT4-.031-SS	3/4RT4-.031-316SS	3/4RT4-.031-NP	1 1/8	1 1/16	7/8	1 1/16
.170	.040 / 1mm	3/4RT4-.040	3/4RT4-.040-SS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

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

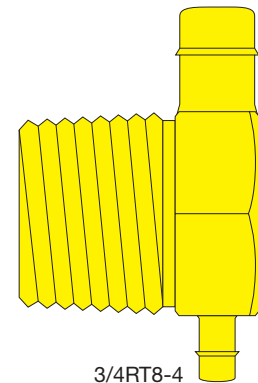
475

3/4 NPT Male Pipe Thread to Tube Reducing Tees

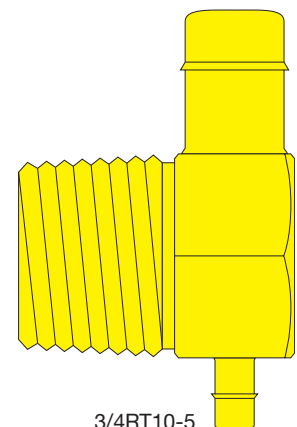
Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/4	5/32 / 4mm	3/4RT6-3 1/2	3/4RT6-3 1/2-SS	3/4RT6-3 1/2-316SS	3/4RT6-3 1/2-NP	1 1/8	1 1/16	1 1/32	27/32
1/4	.170	3/4RT6-4	3/4RT6-4-SS	3/4RT6-4-316SS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



3/4RT6-4



3/4RT8-4



3/4RT10-5

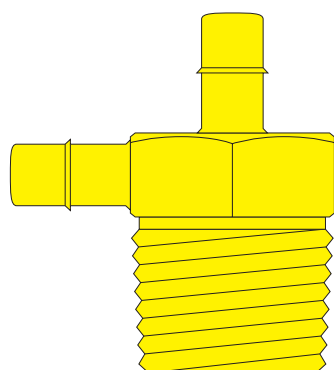
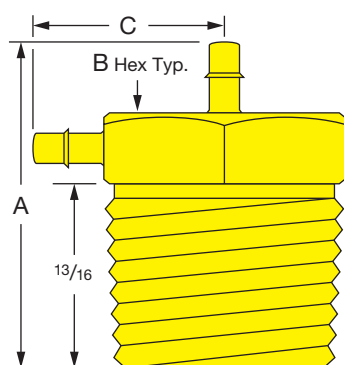
Note: Images are rotated to fit in the space available; for visual representation only.

**Reducing Tees with
#11 & #12 Branches
also available! Consult
factory for details!**



3/4 NPT Male Pipe Thread to Tube L-Tees

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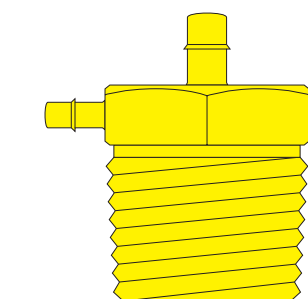
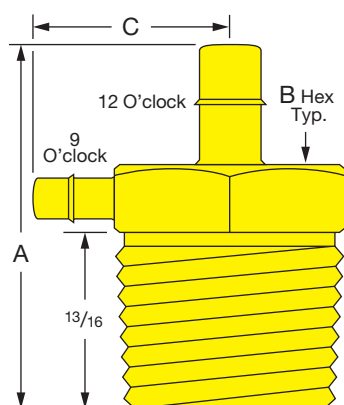
3/4LT7

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	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 1/2
1/4	3/4LT6	3/4LT6-SS	3/4LT6-316SS	3/4LT6-NP	1 5/8	1 1/16	1 1/2
5/8 / 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
3/4	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 Pipe Thread to Tube Reducing L-Tees

477



3/4RLT3-5

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/32	.031	Consult Factory	1 1/16	1 1/16
.040 / 1mm	.040		1 1/16	1 1/16
3/64	.045		1 1/16	1 1/16
.050	.050		1 1/16	1 1/16
1/16	1		1 1/16	1 3/16
5/64 / 2mm	2		1 1/16	1 3/16
3/32	2 1/2		1 1/16	1 3/16
1/8	3		1 1/16	27/32
5/32 / 4mm	3 1/2		1 1/16	27/32
.170	4		1 1/16	7/8

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
3/16	5	Consult Factory	1 1/16	29/32
7/32	5 1/2		1 1/16	29/32
6mm	5 3/4		1 1/16	1 1/2
1/4	6		1 1/16	1 1/2
5/8 / 8mm	7		1 1/16	1 5/32
3/8	8		1 1/16	1 1/16
1/2	10		1 1/16	1 9/32
5/8	11		1 1/16	1 3/4
3/4	12		1 1/16	1 3/4

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

Part Numbers for 3/4 Male Pipe Thread to Tube Reducing L-Tees:

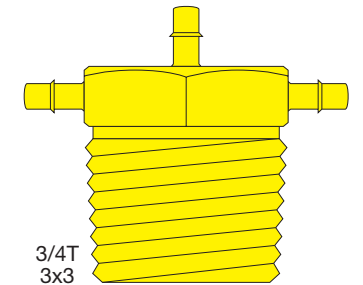
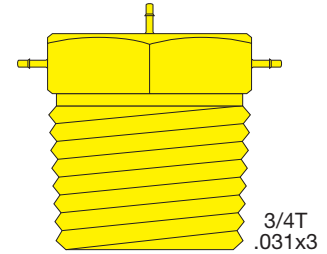
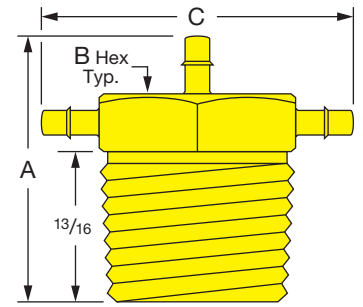
Thread Size	3/4	RLT	#	-	#	12 O'clock Branch #
		Fitting Series				9 O'clock Branch #

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 Pipe 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
5/8 / 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
3/4	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

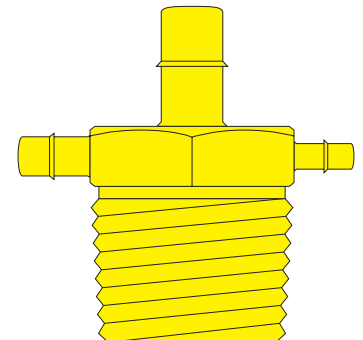
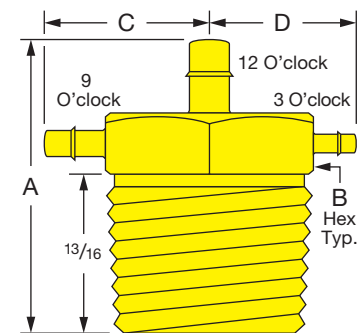
479

3/4 NPT Male Pipe 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	1 1/16	1 1/16	1 1/16
.040 / 1mm	.040	Consult Factory	1 1/16	1 1/16	1 1/16
3/64	.045	Consult Factory	1 1/16	1 1/16	1 1/16
.050	.050	Consult Factory	1 1/16	1 1/16	1 1/16
1/16	1	Consult Factory	1 1/16	1 3/16	1 3/16
5/64 / 2mm	2	Consult Factory	1 1/16	1 3/16	1 3/16
3/32	2 1/2	Consult Factory	1 1/16	1 3/16	1 3/16
1/8	3	Consult Factory	1 1/16	2 7/32	2 7/32
5/32 / 4mm	3 1/2	Consult Factory	1 1/16	2 7/32	2 7/32
.170	4	Consult Factory	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	Consult Factory	1 1/16	2 9/32	2 9/32
7/32	5 1/2	Consult Factory	1 1/16	2 9/32	2 9/32
6mm	5 3/4	Consult Factory	1 1/16	1 1/32	1 1/32
1/4	6	Consult Factory	1 1/16	1 1/32	1 1/32
5/8 / 8mm	7	Consult Factory	1 1/16	1 5/32	1 5/32
3/8	8	Consult Factory	1 1/16	1 1/16	1 1/16
1/2	10	Consult Factory	1 1/16	1 9/32	1 9/32
5/8	11	Consult Factory	1 1/16	1 3/4	1 3/4
3/4	12	Consult Factory	1 1/16	1 3/4	1 3/4

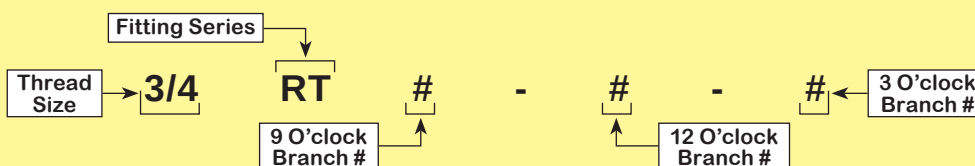
Material options listed on previous page!



3/4RT5-7-3

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

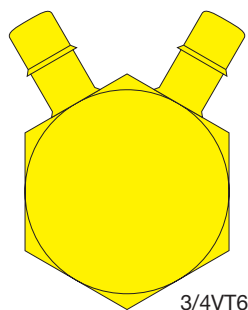
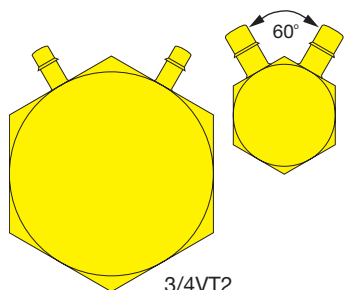
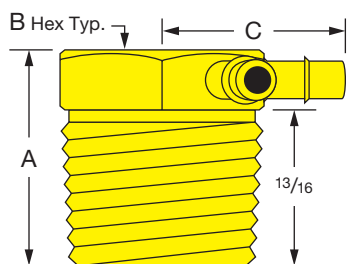
Part Numbers for 3/4 NPT Male Pipe Thread to Tube Reducing Tees x 3:





3/4 NPT Male Pipe Thread to Tube V-Tees

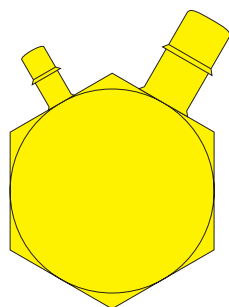
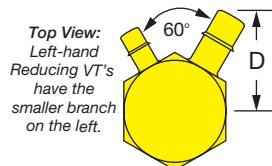
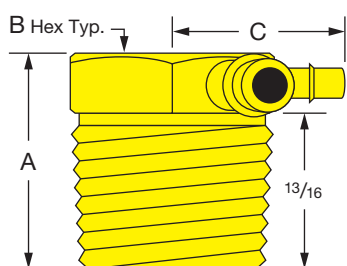
480



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	27/32
5/32 / 4mm	3/4VT3 1/2	3/4VT3 1/2-SS	3/4VT3 1/2-316SS	3/4VT3 1/2-NP	1 1/8	1 1/16	27/32
.170	3/4VT4	3/4VT4-SS	3/4VT4-316SS	3/4VT4-NP	1 1/8	1 1/16	7/8
3/16	3/4VT5	3/4VT5-SS	3/4VT5-316SS	3/4VT5-NP	1 1/8	1 1/16	29/32
7/32	3/4VT5 1/2	3/4VT5 1/2-SS	3/4VT5 1/2-316SS	3/4VT5 1/2-NP	1 1/8	1 1/16	29/32
6mm	3/4VT5 3/4	3/4VT5 3/4-SS	3/4VT5 3/4-316SS	3/4VT5 3/4-NP	1 1/8	1 1/16	1 1/2
1/4	3/4VT6	3/4VT6-SS	3/4VT6-316SS	3/4VT6-NP	1 1/8	1 1/16	1 1/2
5/8 / 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
3/4	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 Pipe Thread to Tube Reducing Left-Hand V-Tees

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3/4RVT6-3-LH

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 1/2	1 1/2
1/4	6	1 1/8	1 1/16	1 1/2	1 1/2
5/8 / 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 Pipe 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

482

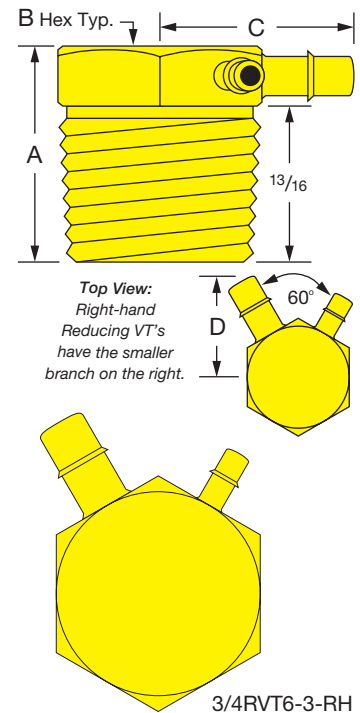
3/4 NPT Male Pipe Thread to Tube Reducing Right-Hand V-Tees

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	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
5/8 / 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 1/16	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!

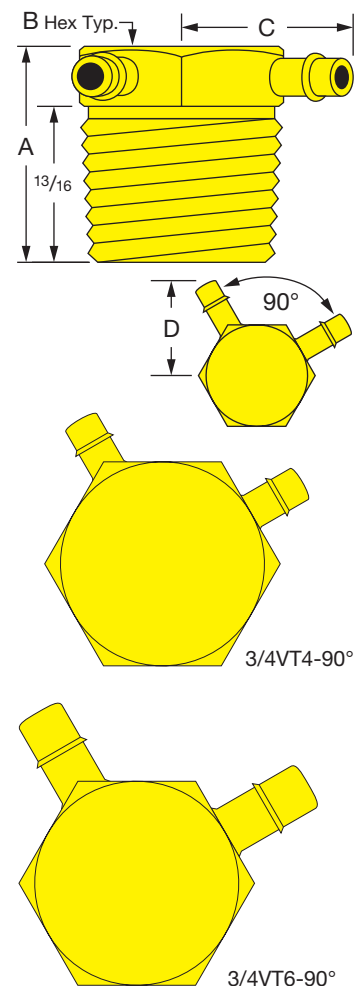
Part Numbers for 3/4 NPT Male Pipe Thread to Tube Right-Hand Reducing V-Tees:



483

3/4 NPT Male Pipe Thread to Tube 90° V-Tees

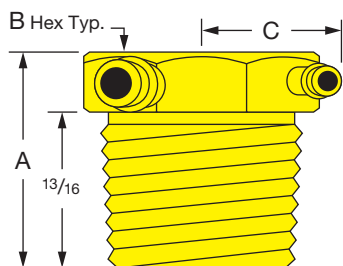
Tube ID	Part Numbers				Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/32	3/4VT.031-90°	3/4VT.031-90°-SS	3/4VT.031-90°-316SS	3/4VT.031-90°-NP	1 1/8	1 1/16	1 1/16	Consult Factory
.040 / 1mm	3/4VT.040-90°	3/4VT.040-90°-SS	3/4VT.040-90°-316SS	3/4VT.040-90°-NP	1 1/8	1 1/16	1 1/16	
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	
.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	
1/16	3/4VT1-90°	3/4VT1-90°-SS	3/4VT1-90°-316SS	3/4VT1-90°-NP	1 1/8	1 1/16	1 3/16	
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	
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	
1/8	1/2VT3-90°	1/2VT3-90°-SS	1/2VT3-90°-316SS	1/2VT3-90°-NP	1 1/8	1 1/16	2 7/32	
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	2 7/32	
.170	1/2VT4-90°	1/2VT4-90°-SS	1/2VT4-90°-316SS	1/2VT4-90°-NP	1 1/8	1 1/16	7/8	
3/16	1/2VT5-90°	1/2VT5-90°-SS	1/2VT5-90°-316SS	1/2VT5-90°-NP	1 1/8	1 1/16	2 9/32	
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	2 9/32	
6mm	3/4VT5 3/4-90°	3/4VT5 3/4-90°-SS	3/4VT5 3/4-90°-316SS	3/4VT5 3/4-90°-NP	1 1/8	1 1/16	1 1/32	
1/4	3/4VT6-90°	3/4VT6-90°-SS	3/4VT6-90°-316SS	3/4VT6-90°-NP	1 1/8	1 1/16	1 1/32	
5/8 / 8mm	3/4VT7-90°	3/4VT7-90°-SS	3/4VT7-90°-316SS	3/4VT7-90°-NP	1 1/4	1 1/16	1 5/32	
3/8	3/4VT8-90°	3/4VT8-90°-SS	3/4VT8-90°-316SS	3/4VT8-90°-NP	1 1/4	1 1/16	1 1/16	
3/4	3/4VT10-90°	3/4VT10-90°-SS	3/4VT10-90°-316SS	3/4VT10-90°-NP	1 1/16	1 1/16	1 9/32	
5/8	3/4VT11-90°	3/4VT11-90°-SS	3/4VT11-90°-316SS	3/4VT11-90°-NP	1 9/16	1 1/16	1 3/4	
3/4	3/4VT12-90°	3/4VT12-90°-SS	3/4VT12-90°-316SS	3/4VT12-90°-NP	1 11/16	1 1/16	1 3/4	



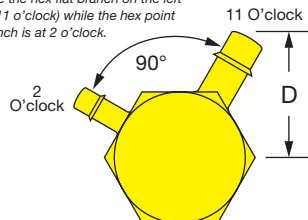


3/4 NPT Male Pipe Thread to Tube Custom Reducing Left-Hand 90° V-Tees

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Top View: Left-hand Reducing 90° VT's have the hex flat branch on the left (at 11 o'clock) while the hex point branch is at 2 o'clock.



Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	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	27/32	
5/32 / 4mm	3 1/2	1 1/8	1 1/16	27/32	
.170	4	1 1/8	1 1/16	7/8	

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	Consult Factory
7/32	5 1/2	1 1/8	1 1/16	29/32	
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	
5/8 / 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	

Material options listed below!

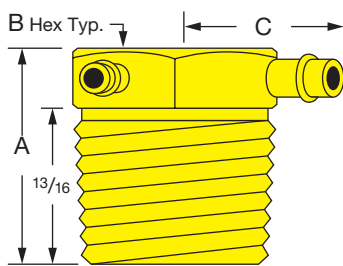
Part Numbers for 3/4 NPT Male Pipe Thread to Tube Reducing Left-Hand 90° V-Tees:

Thread Size → **3/4** → **RVT** → # - # - **LH** - **90°** ← 90° Indicator

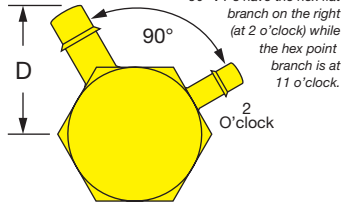
Fitting Series → 2 O'clock Branch → 11 O'clock Branch → Left-Hand Indicator

3/4 NPT Male Pipe Thread to Tube Custom Reducing Right-Hand 90° V-Tees

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Top View: Right-hand Reducing 90° VT's have the hex flat branch on the right (at 2 o'clock) while the hex point branch is at 11 o'clock.



Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	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	27/32	
5/32 / 4mm	3 1/2	1 1/8	1 1/16	27/32	
.170	4	1 1/8	1 1/16	7/8	

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	Consult Factory
7/32	5 1/2	1 1/8	1 1/16	29/32	
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	
5/8 / 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	

Material options listed below!

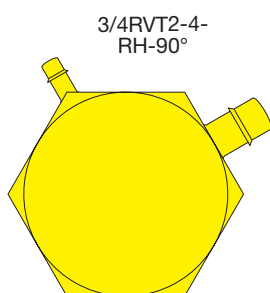
Part Numbers for 3/4 NPT Male Pipe Thread to Tube Reducing Right-Hand 90° V-Tees:

Thread Size → **3/4** → **RVT** → # - # - **RH** - **90°** ← 90° Indicator

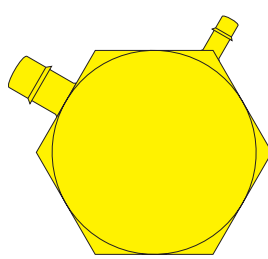
Fitting Series → 11 O'clock Branch → 2 O'clock Branch → Right-Hand Indicator

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

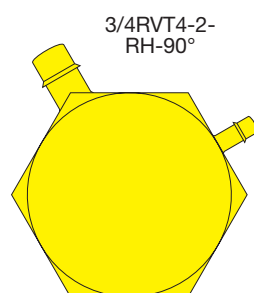
- SS = Stainless Steel 303
- 316SS = Stainless Steel 316
- NP = Electroless Nickel Plate



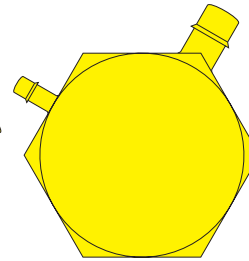
3/4 RVT2-4-RH-90°



3/4 RVT2-4-LH-90°



3/4 RVT4-2-RH-90°

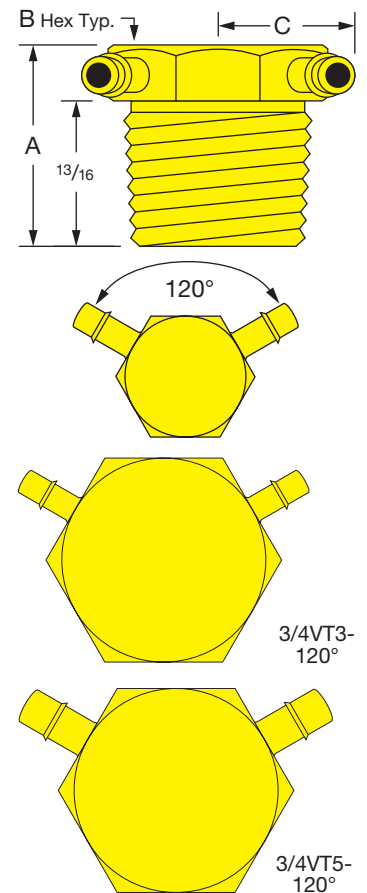


3/4 RVT4-2-LH-90°

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3/4 NPT Male Pipe 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	27/32
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	27/32
.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
5/8 / 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
3/4	3/4VT10-120°	3/4VT10-120°-SS	3/4VT10-120°-316SS	3/4VT10-120°-NP	1 7/16	1 1/16	1 9/32
5/8	3/4VT11-120°	3/4VT11-120°-SS	3/4VT11-120°-316SS	3/4VT11-120°-NP	1 9/16	1 1/16	1 3/4
3/4	3/4VT12-120°	3/4VT12-120°-SS	3/4VT12-120°-316SS	3/4VT12-120°-NP	1 11/16	1 1/16	1 3/4



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

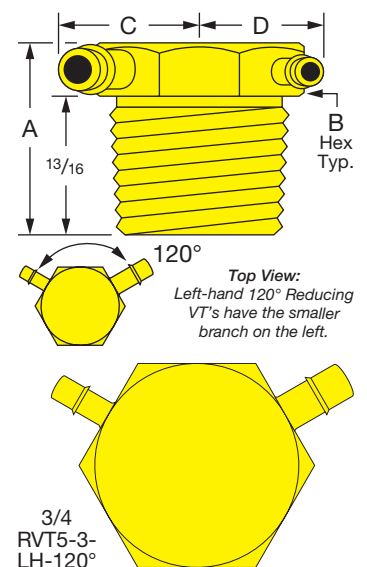
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3/4 NPT Male Pipe Thread to Tube Custom Reducing Left-Hand 120° V-Tees

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	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
5/8 / 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!



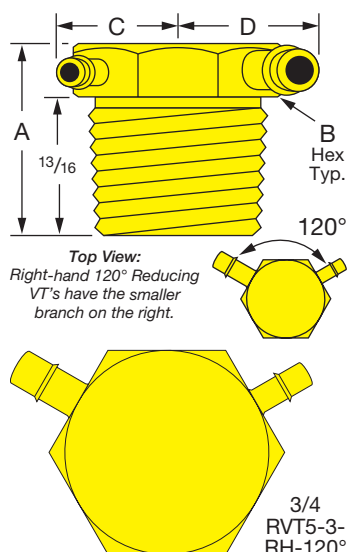
Part Numbers for 3/4 NPT Male Pipe Thread to Tube Reducing Left-Hand 120° V-Tees:

Thread Size	3/4	RVT	#	-	#	-	LH	-	120°	120° Indicator
		Fitting Series			Larger Branch #		Smaller Branch #		Left-Hand Indicator	



3/4 NPT Male Pipe Thread to Tube Custom 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	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
5/8 / 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

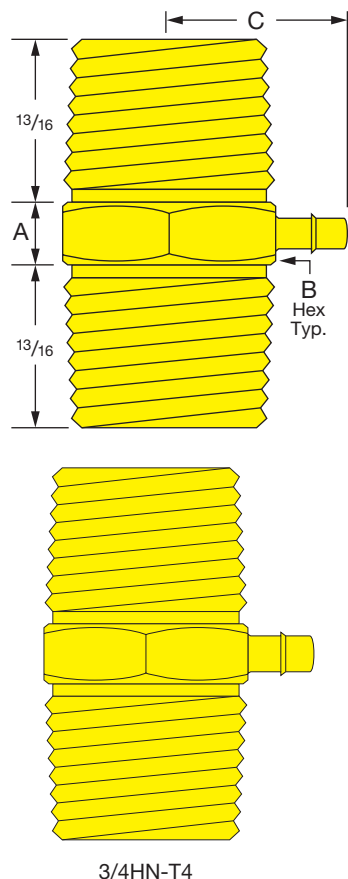
Material options listed on next page!

Part Numbers for 3/4 NPT Male Pipe Thread to Tube Reducing Right-Hand 120° V-Tees:

Thread Size	3/4	Fitting Series	RVT	#	-	#	-	RH	-	120°	120° Indicator
				Larger Branch #		Smaller Branch #		Right-Hand Indicator			

3/4 NPT Male Pipe Thread Nipples with Tube Branches: Tees

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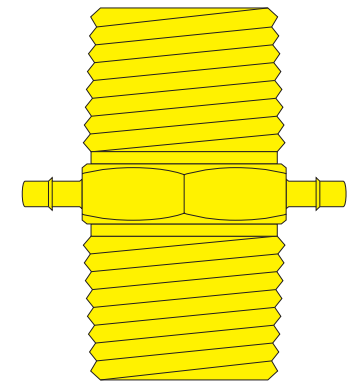
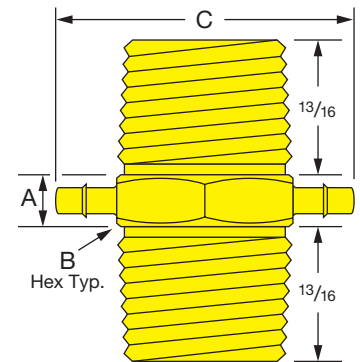
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	3/4HN-T.031	3/4HN-T.031-SS	3/4HN-T.031-316SS	3/4HN-T.031-NP	5/16	1 1/16	1 1/16
.040 / 1mm	3/4HN-T.040	3/4HN-T.040-SS	3/4HN-T.040-316SS	3/4HN-T.040-NP	5/16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

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

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3/4 NPT Male Pipe 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
5/8 / 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
3/4	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 424!

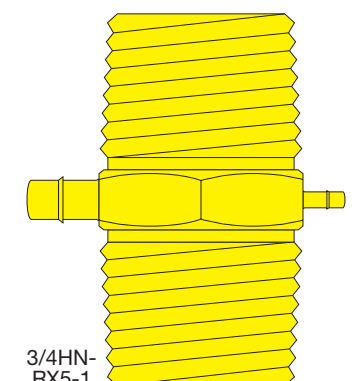
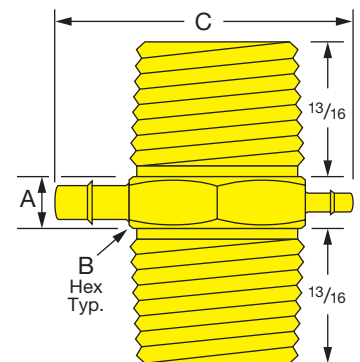
491

3/4 NPT Male Pipe 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

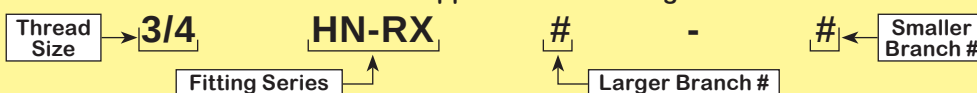
Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
3/16	5	5/16	1 1/16	2 9/32	2 9/32
7/32	5 1/2	5/16	1 1/16	2 9/32	2 9/32
6mm	5 3/4	5/16	1 1/16	1 1/32	1 1/32
1/4	6	5/16	1 1/16	1 1/32	1 1/32
5/8 / 8mm	7	7/16	1 1/16	1 5/32	1 5/32
3/8	8	7/16	1 1/16	1 1/16	1 1/16
3/4	10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



3/4HN-RX5-1

Part Numbers for 3/4 NPT Nipples with Reducing Cross Branches:



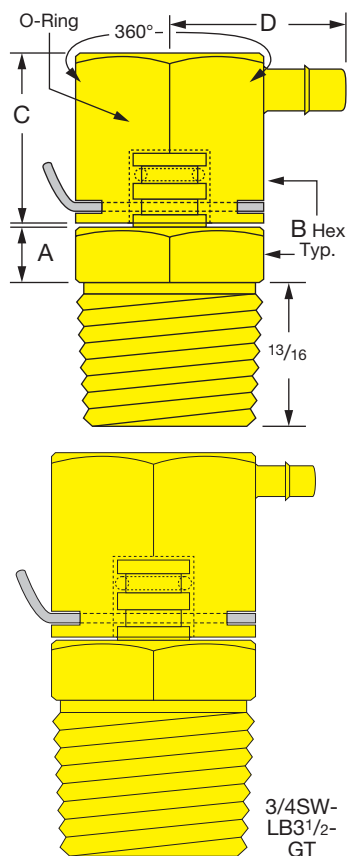
For materials other than Brass, add the following codes to the part number:

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



3/4 NPT Male Pipe Thread to Tube Swivel Elbows with Clip Groove

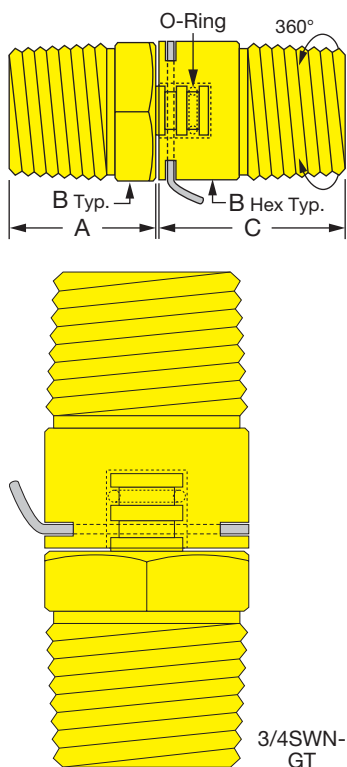
492



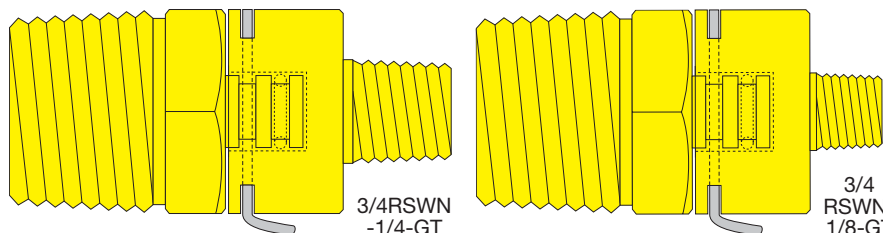
Tube ID	Part Numbers				Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/32	3/4SW-LB.031-GT	3/4SW-LB.031-SS-GT	3/4SW-LB.031-316SS-GT	3/4SW-LB.031-NP-GT	Consult Factory	1 1/16	Consult Factory	Consult Factory
.040 / 1mm	3/4SW-LB.040-GT	3/4SW-LB.040-SS-GT	3/4SW-LB.040-316SS-GT	3/4SW-LB.040-NP-GT	Consult Factory	1 1/16	Consult Factory	Consult Factory
3/64	3/4SW-LB.045-GT	3/4SW-LB.045-SS-GT	3/4SW-LB.045-316SS-GT	3/4SW-LB.045-NP-GT	Consult Factory	1 1/16	Consult Factory	Consult Factory
.050	3/4SW-LB.050-GT	3/4SW-LB.050-SS-GT	3/4SW-LB.050-316SS-GT	3/4SW-LB.050-NP-GT	Consult Factory	1 1/16	Consult Factory	Consult Factory
1/16	3/4SW-LB1-GT	3/4SW-LB1-SS-GT	3/4SW-LB1-316SS-GT	3/4SW-LB1-NP-GT	Consult Factory	1 1/16	Consult Factory	Consult Factory
5/64 / 2mm	3/4SW-LB2-GT	3/4SW-LB2-SS-GT	3/4SW-LB2-316SS-GT	3/4SW-LB2-NP-GT	Consult Factory	1 1/16	Consult Factory	Consult Factory
3/32	3/4SW-LB2 1/2-GT	3/4SW-LB2 1/2-SS-GT	3/4SW-LB2 1/2-316SS-GT	3/4SW-LB2 1/2-NP-GT	Consult Factory	1 1/16	Consult Factory	Consult Factory
1/8	3/4SW-LB3-GT	3/4SW-LB3-SS-GT	3/4SW-LB3-316SS-GT	3/4SW-LB3-NP-GT	Consult Factory	1 1/16	Consult Factory	Consult Factory
5/32 / 4mm	3/4SW-LB3 1/2-GT	3/4SW-LB3 1/2-SS-GT	3/4SW-LB3 1/2-316SS-GT	3/4SW-LB3 1/2-NP-GT	Consult Factory	1 1/16	Consult Factory	Consult Factory
.170	3/4SW-LB4-GT	3/4SW-LB4-SS-GT	3/4SW-LB4-316SS-GT	3/4SW-LB4-NP-GT	Consult Factory	1 1/16	Consult Factory	Consult Factory
3/16	3/4SW-LB5-GT	3/4SW-LB5-SS-GT	3/4SW-LB5-316SS-GT	3/4SW-LB5-NP-GT	Consult Factory	1 1/16	Consult Factory	Consult Factory
7/32	3/4SW-LB5 1/2-GT	3/4SW-LB5 1/2-SS-GT	3/4SW-LB5 1/2-316SS-GT	3/4SW-LB5 1/2-NP-GT	Consult Factory	1 1/16	Consult Factory	Consult Factory
6mm	3/4SW-LB5 3/4-GT	3/4SW-LB5 3/4-SS-GT	3/4SW-LB5 3/4-316SS-GT	3/4SW-LB5 3/4-NP-GT	Consult Factory	1 1/16	Consult Factory	Consult Factory
1/4	3/4SW-LB6-GT	3/4SW-LB6-SS-GT	3/4SW-LB6-316SS-GT	3/4SW-LB6-NP-GT	Consult Factory	1 1/16	Consult Factory	Consult Factory
5/8 / 8mm	3/4SW-LB7-GT	3/4SW-LB7-SS-GT	3/4SW-LB7-316SS-GT	3/4SW-LB7-NP-GT	Consult Factory	1 1/16	Consult Factory	Consult Factory
3/8	3/4SW-LB8-GT	3/4SW-LB8-SS-GT	3/4SW-LB8-316SS-GT	3/4SW-LB8-NP-GT	Consult Factory	1 1/16	Consult Factory	Consult Factory
3/4	3/4SW-LB10-GT	3/4SW-LB10-SS-GT	3/4SW-LB10-316SS-GT	3/4SW-LB10-NP-GT	Consult Factory	1 1/16	Consult Factory	Consult Factory

3/4 NPT Male Pipe Thread Swivel Nipples and Reducing Swivel Nipples

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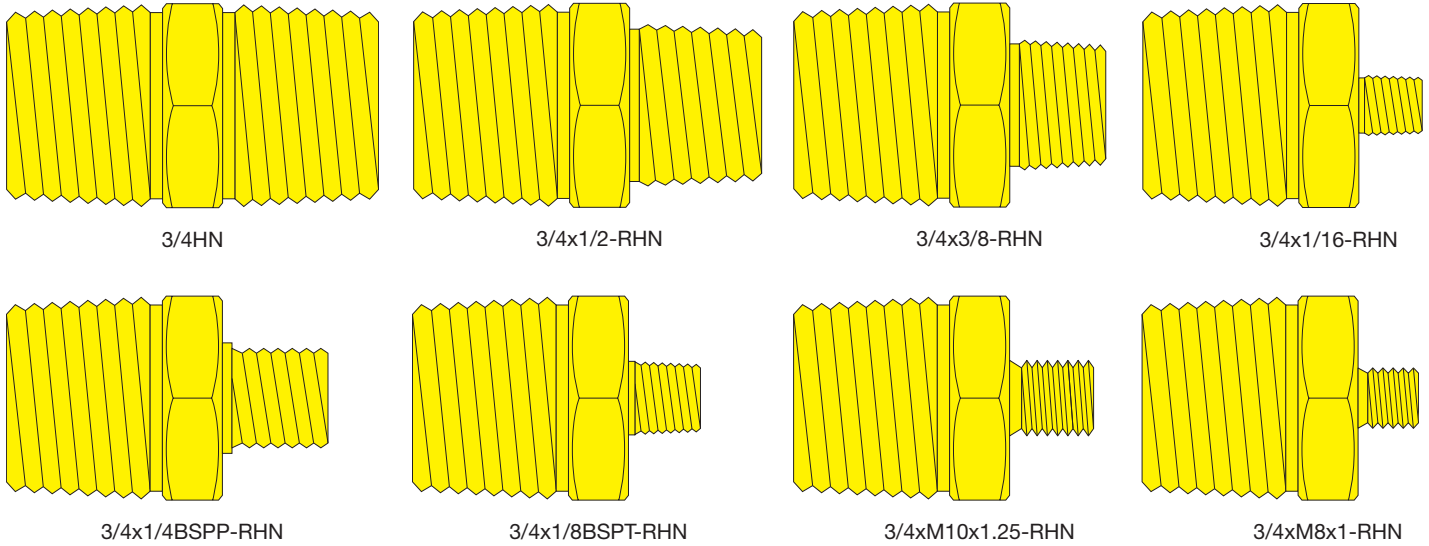
9 O'clock Thread Size	3 O'clock Thread Size	Part Numbers					Dimensions (Reference)		
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
3/4	3/4	3/4SWN-GT	3/4SWN-GT-SS	3/4SWN-GT-316SS	3/4SWN-GT-AL	3/4SWN-GT-NP	Consult Factory	1 1/16	Consult 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



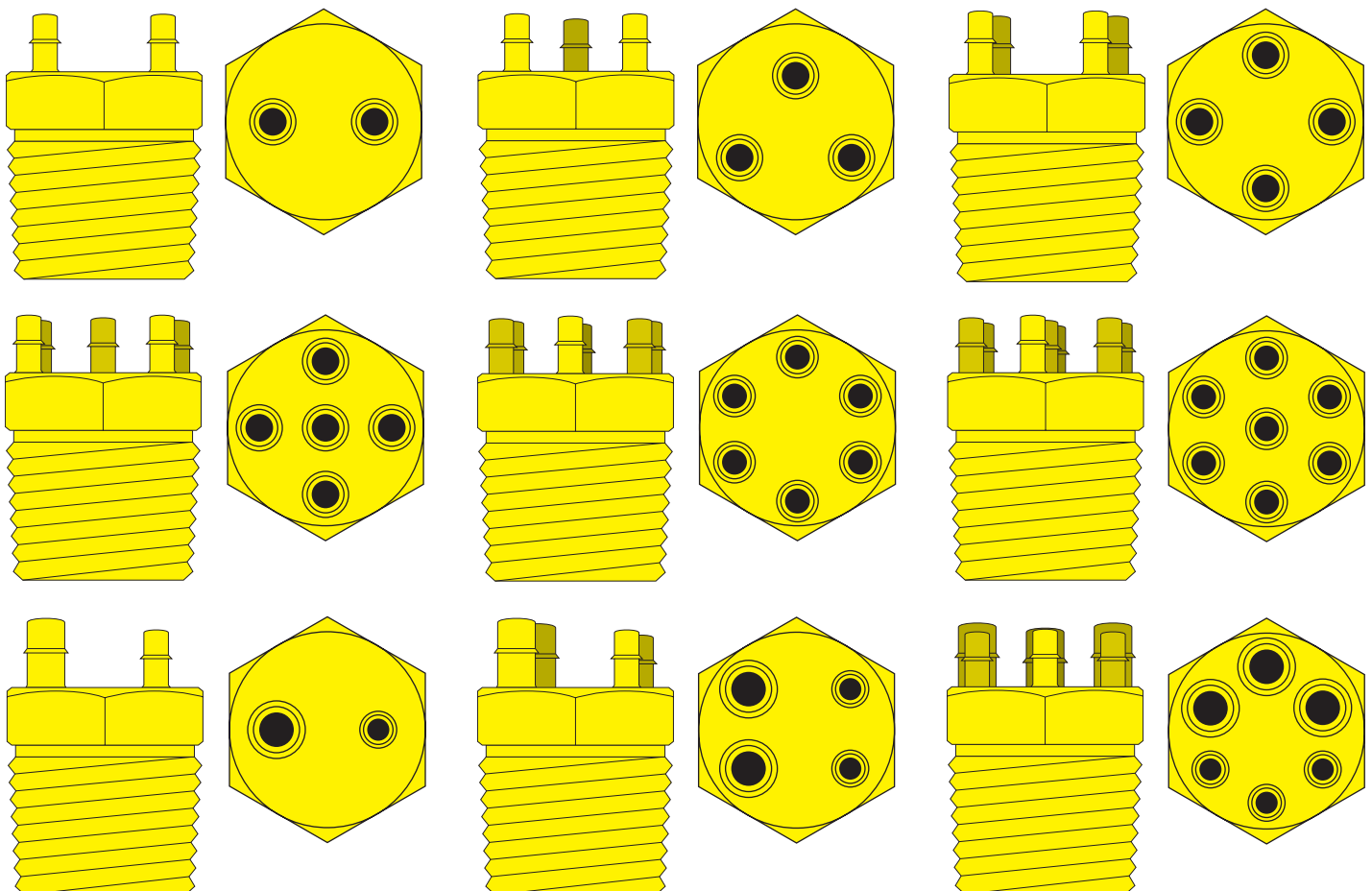
O-Ring options available on parallel threads. O-Ring materials listed on page 65!

See GT Series 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!

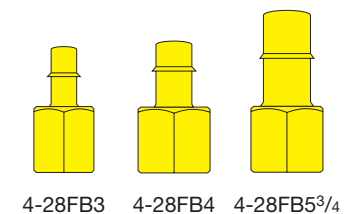
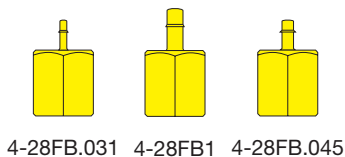
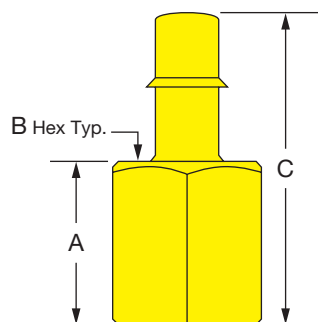


1" NPT Male Threaded Fittings also Available! Consult Factory for Details!



1/4-28 (4-28) Female Thread to Tube Straight Fitting

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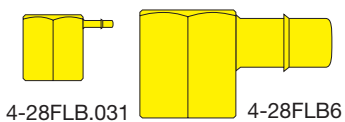
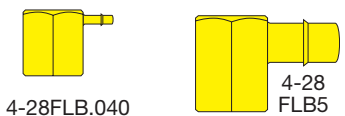
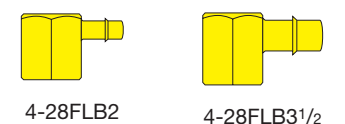
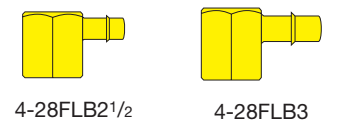
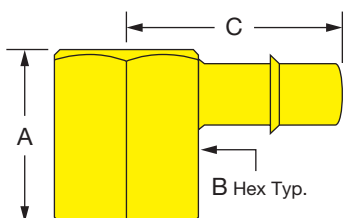


Note: Images are for visual representation only;
not intended for dimensional measurements.

Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	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	1 1/32	5/16	17/32
.040 / 1mm	4-28FB.040	4-28FB.040-SS	4-28FB.040-316SS	N/A	4-28FB.040-NP	1 1/32	5/16	17/32
3/64	4-28FB.045	4-28FB.045-SS	4-28FB.045-316SS	N/A	4-28FB.045-NP	1 1/32	5/16	17/32
.050	4-28FB.050	4-28FB.050-SS	4-28FB.050-316SS	N/A	4-28FB.050-NP	1 1/32	5/16	17/32
1/16	4-28FB1	4-28FB1-SS	4-28FB1-316SS	4-28FB1-AL	4-28FB1-NP	1 1/32	5/16	9/16
5/64 / 2mm	4-28FB2	4-28FB2-SS	4-28FB2-316SS	4-28FB2-AL	4-28FB2-NP	1 1/32	5/16	9/16
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	1 1/32	5/16	9/16
1/8	4-28FB3	4-28FB3-SS	4-28FB3-316SS	4-28FB3-AL	4-28FB3-NP	1 1/32	5/16	2 1/32
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 1/32	5/16	2 1/32
.170	4-28FB4	4-28FB4-SS	4-28FB4-316SS	4-28FB4-AL	4-28FB4-NP	1 1/32	5/16	1 1/16
3/16	4-28FB5	4-28FB5-SS	4-28FB5-316SS	4-28FB5-AL	4-28FB5-NP	1 1/32	3/8	2 3/32
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	1 1/32	3/8	2 3/32
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	1 1/32	3/8	2 7/32
1/4	4-28FB6	4-28FB6-SS	4-28FB6-316SS	4-28FB6-AL	4-28FB6-NP	1 1/32	3/8	2 7/32

1/4-28 (4-28) Female Thread to Tube Elbows

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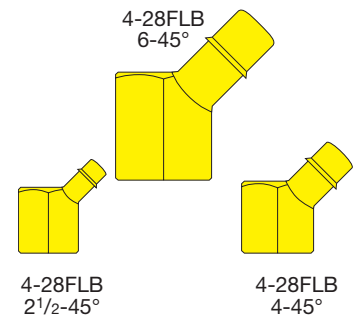
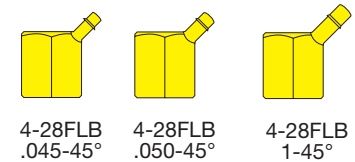
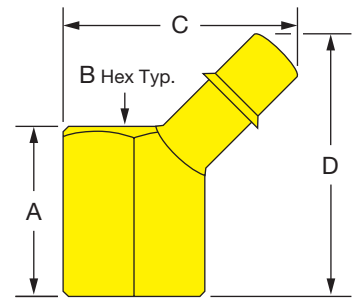
Note: Dimensions may vary at time of manufacturing.

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	4-28FLB.031	4-28FLB.031-SS	4-28FLB.031-316SS	4-28FLB.031-NP	1 1/32	5/16	5/16
.040 / 1mm	4-28FLB.040	4-28FLB.040-SS	4-28FLB.040-316SS	4-28FLB.040-NP	1 1/32	5/16	5/16
3/64	4-28FLB.045	4-28FLB.045-SS	4-28FLB.045-316SS	4-28FLB.045-NP	1 1/32	5/16	5/16
.050	4-28FLB.050	4-28FLB.050-SS	4-28FLB.050-316SS	4-28FLB.050-NP	1 1/32	5/16	5/16
1/16	4-28FLB1	4-28FLB1-SS	4-28FLB1-316SS	4-28FLB1-NP	1 1/32	5/16	3/8
5/64 / 2mm	4-28FLB2	4-28FLB2-SS	4-28FLB2-316SS	4-28FLB2-NP	1 1/32	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	1 1/32	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	3/8	1/2
3/16	4-28FLB5	4-28FLB5-SS	4-28FLB5-316SS	4-28FLB5-NP	1/2	3/8	9/16
7/32	4-28FLB5 1/2	4-28FLB5 1/2-SS	4-28FLB5 1/2-316SS	4-28FLB5 1/2-NP	1/2	3/8	9/16
6mm	4-28FLB5 3/4	4-28FLB5 3/4-SS	4-28FLB5 3/4-316SS	4-28FLB5 3/4-NP	9/16	1/2	3/4
1/4	4-28FLB6	4-28FLB6-SS	4-28FLB6-316SS	4-28FLB6-NP	9/16	1/2	3/4

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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	1 1/32	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	1 1/32	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	1 1/32	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	1 1/32	5/16	Consult Factory	Consult Factory
1/16	4-28FLB1-45°	4-28FLB1-45°-SS	4-28FLB1-45°-316SS	4-28FLB1-45°-NP	1 1/32	5/16	Consult Factory	Consult Factory
5/64 / 2mm	4-28FLB2-45°	4-28FLB2-45°-SS	4-28FLB2-45°-316SS	4-28FLB2-45°-NP	1 1/32	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	1 1/32	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	3/8	Consult Factory	Consult Factory
3/16	4-28FLB5-45°	4-28FLB5-45°-SS	4-28FLB5-45°-316SS	4-28FLB5-45°-NP	1/2	3/8	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	3/8	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	1/2	1/2	Consult Factory	Consult Factory
1/4	4-28FLB6-45°	4-28FLB6-45°-SS	4-28FLB6-45°-316SS	4-28FLB6-45°-NP	1/2	1/2	Consult Factory	Consult Factory

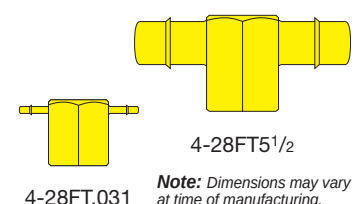
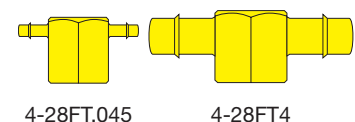
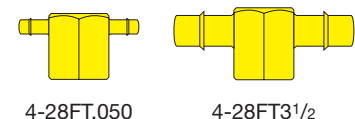
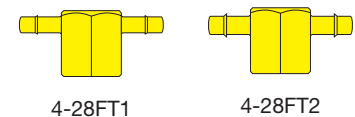
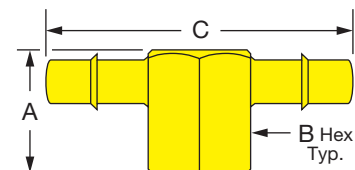


R

497

1/4-28 (4-28) Female Thread to Tube Tees

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	4-28FT.031	4-28FT.031-SS	4-28FT.031-316SS	4-28FT.031-NP	1 1/32	5/16	5/8
.040 / 1mm	4-28FT.040	4-28FT.040-SS	4-28FT.040-316SS	4-28FT.040-NP	1 1/32	5/16	5/8
3/64	4-28FT.045	4-28FT.045-SS	4-28FT.045-316SS	4-28FT.045-NP	1 1/32	5/16	5/8
.050	4-28FT.050	4-28FT.050-SS	4-28FT.050-316SS	4-28FT.050-NP	1 1/32	5/16	5/8
1/16	4-28FT1	4-28FT1-SS	4-28FT1-316SS	4-28FT1-NP	1 1/32	5/16	3/4
5/64 / 2mm	4-28FT2	4-28FT2-SS	4-28FT2-316SS	4-28FT2-NP	1 1/32	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	1 1/32	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	3/8	1
3/16	4-28FT5	4-28FT5-SS	4-28FT5-316SS	4-28FT5-NP	1/2	3/8	1 1/8
7/32	4-28FT5 1/2	4-28FT5 1/2-SS	4-28FT5 1/2-316SS	4-28FT5 1/2-NP	1/2	3/8	1 1/8
6mm	4-28FT5 3/4	4-28FT5 3/4-SS	4-28FT5 3/4-316SS	4-28FT5 3/4-NP	9/16	1/2	1 1/2
1/4	4-28FT6	4-28FT6-SS	4-28FT6-316SS	4-28FT6-NP	9/16	1/2	1 1/2

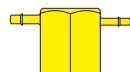
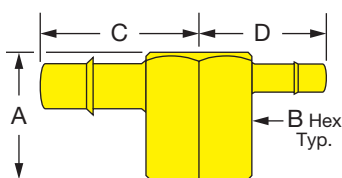
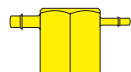
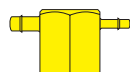


Note: Dimensions may vary at time of manufacturing.

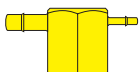


1/4-28 (4-28) Female Thread to Tube Reducing Tees

498

4-28RFT
.040-.0314-28RFT
.045-.031

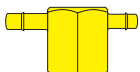
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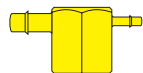
4-28RFT1-.031



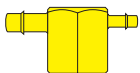
4-28RFT1-.045



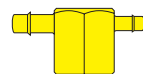
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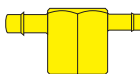
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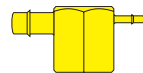
4-28RFT2-.045



4-28RFT2-.050



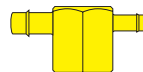
4-28RFT2-1



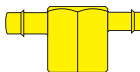
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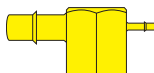
4-28RFT2 1/2-.045



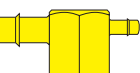
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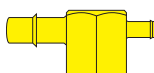
4-28RFT2 1/2-2



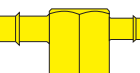
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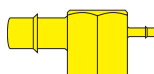
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4-28RFT3-1



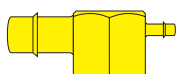
4-28RFT3-2 1/2



4-28RFT3 1/2-.040



4-28RFT3 1/2-2



4-28RFT4-.045

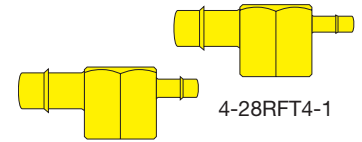
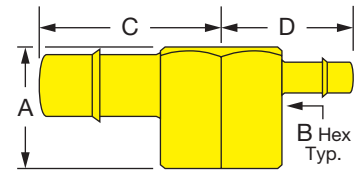
Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
.040 / 1mm	1/32	4-28RFT.040-.031	4-28RFT.040-.031-SS	4-28RFT.040-.031-316SS	4-28RFT.040-.031-NP	3/8	5/16	5/16	5/16
3/64	1/32	4-28RFT.045-.031	4-28RFT.045-.031-SS	4-28RFT.045-.031-316SS	4-28RFT.045-.031-NP	3/8	5/16	5/16	5/16
3/64	.040 / 1mm	4-28RFT.045-.040	4-28RFT.045-.040-SS	4-28RFT.045-.040-316SS	4-28RFT.045-.040-NP	3/8	5/16	5/16	5/16
.050	1/32	4-28RFT.050-.031	4-28RFT.050-.031-SS	4-28RFT.050-.031-316SS	4-28RFT.050-.031-NP	3/8	5/16	5/16	5/16
.050	.040 / 1mm	4-28RFT.050-.040	4-28RFT.050-.040-SS	4-28RFT.050-.040-316SS	4-28RFT.050-.040-NP	3/8	5/16	3/8	5/16
.050	1/64	4-28RFT.050-.045	4-28RFT.050-.045-SS	4-28RFT.050-.045-316SS	4-28RFT.050-.045-NP	3/8	5/16	3/8	5/16
1/16	1/32	4-28RFT1-.031	4-28RFT1-.031-SS	4-28RFT1-.031-316SS	4-28RFT1-.031-NP	3/8	5/16	3/8	5/16
1/16	.040 / 1mm	4-28RFT1-.040	4-28RFT1-.040-SS	4-28RFT1-.040-316SS	4-28RFT1-.040-NP	3/8	5/16	3/8	5/16
1/16	3/64	4-28RFT1-.045	4-28RFT1-.045-SS	4-28RFT1-.045-316SS	4-28RFT1-.045-NP	3/8	5/16	3/8	5/16
1/16	.050	4-28RFT1-.050	4-28RFT1-.050-SS	4-28RFT1-.050-316SS	4-28RFT1-.050-NP	3/8	5/16	3/8	5/16
5/64 / 2mm	1/32	4-28RFT2-.031	4-28RFT2-.031-SS	4-28RFT2-.031-316SS	4-28RFT2-.031-NP	3/8	5/16	3/8	5/16
5/64 / 2mm	.040 / 1mm	4-28RFT2-.040	4-28RFT2-.040-SS	4-28RFT2-.040-316SS	4-28RFT2-.040-NP	3/8	5/16	3/8	5/16
5/64 / 2mm	3/64	4-28RFT2-.045	4-28RFT2-.045-SS	4-28RFT2-.045-316SS	4-28RFT2-.045-NP	3/8	5/16	3/8	5/16
5/64 / 2mm	.050	4-28RFT2-.050	4-28RFT2-.050-SS	4-28RFT2-.050-316SS	4-28RFT2-.050-NP	3/8	5/16	3/8	5/16
5/64 / 2mm	1/16	4-28RFT2-1	4-28RFT2-1-SS	4-28RFT2-1-316SS	4-28RFT2-1-NP	3/8	5/16	3/8	3/8
3/32	1/32	4-28RFT2 1/2-.031	4-28RFT2 1/2-.031-SS	4-28RFT2 1/2-.031-316SS	4-28RFT2 1/2-.031-NP	3/8	5/16	3/8	5/16
3/32	.040 / 1mm	4-28RFT2 1/2-.040	4-28RFT2 1/2-.040-SS	4-28RFT2 1/2-.040-316SS	4-28RFT2 1/2-.040-NP	3/8	5/16	3/8	5/16
3/32	3/64	4-28RFT2 1/2-.045	4-28RFT2 1/2-.045-SS	4-28RFT2 1/2-.045-316SS	4-28RFT2 1/2-.045-NP	3/8	5/16	3/8	5/16
3/32	.050	4-28RFT2 1/2-.050	4-28RFT2 1/2-.050-SS	4-28RFT2 1/2-.050-316SS	4-28RFT2 1/2-.050-NP	3/8	5/16	3/8	5/16
3/32	1/16	4-28RFT2 1/2-1	4-28RFT2 1/2-1-SS	4-28RFT2 1/2-1-316SS	4-28RFT2 1/2-1-NP	3/8	5/16	3/8	3/8
3/32	5/64 / 2mm	4-28RFT2 1/2-2	4-28RFT2 1/2-2-SS	4-28RFT2 1/2-2-316SS	4-28RFT2 1/2-2-NP	3/8	5/16	3/8	3/8
1/8	1/32	4-28RFT3-.031	4-28RFT3-.031-SS	4-28RFT3-.031-316SS	4-28RFT3-.031-NP	3/8	5/16	15/32	5/16
1/8	.040 / 1mm	4-28RFT3-.040	4-28RFT3-.040-SS	4-28RFT3-.040-316SS	4-28RFT3-.040-NP	3/8	5/16	15/32	5/16
1/8	3/64	4-28RFT3-.045	4-28RFT3-.045-SS	4-28RFT3-.045-316SS	4-28RFT3-.045-NP	3/8	5/16	15/32	5/16
1/8	.050	4-28RFT3-.050	4-28RFT3-.050-SS	4-28RFT3-.050-316SS	4-28RFT3-.050-NP	3/8	5/16	15/32	5/16
1/8	1/16	4-28RFT3-1	4-28RFT3-1-SS	4-28RFT3-1-316SS	4-28RFT3-1-NP	3/8	5/16	15/32	3/8
1/8	5/64 / 2mm	4-28RFT3-2	4-28RFT3-2-SS	4-28RFT3-2-316SS	4-28RFT3-2-NP	3/8	5/16	15/32	3/8
1/8	3/32	4-28RFT3-2 1/2	4-28RFT3-2 1/2-SS	4-28RFT3-2 1/2-316SS	4-28RFT3-2 1/2-NP	3/8	5/16	15/32	3/8
5/32	1/32	4-28RFT3 1/2-.031	4-28RFT3 1/2-.031-SS	4-28RFT3 1/2-.031-316SS	4-28RFT3 1/2-.031-NP	3/8	5/16	15/32	5/16
5/32	.040 / 1mm	4-28RFT3 1/2-.040	4-28RFT3 1/2-.040-SS	4-28RFT3 1/2-.040-316SS	4-28RFT3 1/2-.040-NP	3/8	5/16	15/32	5/16
5/32	3/64	4-28RFT3 1/2-.045	4-28RFT3 1/2-.045-SS	4-28RFT3 1/2-.045-316SS	4-28RFT3 1/2-.045-NP	3/8	5/16	15/32	5/16
5/32	.050	4-28RFT3 1/2-.050	4-28RFT3 1/2-.050-SS	4-28RFT3 1/2-.050-316SS	4-28RFT3 1/2-.050-NP	3/8	5/16	15/32	5/16
5/32	1/16	4-28RFT3 1/2-1	4-28RFT3 1/2-1-SS	4-28RFT3 1/2-1-316SS	4-28RFT3 1/2-1-NP	3/8	5/16	15/32	3/8
5/32	5/64 / 2mm	4-28RFT3 1/2-2	4-28RFT3 1/2-2-SS	4-28RFT3 1/2-2-316SS	4-28RFT3 1/2-2-NP	3/8	5/16	15/32	3/8
5/32	3/32	4-28RFT3 1/2-2 1/2	4-28RFT3 1/2-2 1/2-SS	4-28RFT3 1/2-2 1/2-316SS	4-28RFT3 1/2-2 1/2-NP	3/8	5/16	15/32	3/8
5/32	1/8	4-28RFT3 1/2-3	4-28RFT3 1/2-3-SS	4-28RFT3 1/2-3-316SS	4-28RFT3 1/2-3-NP	3/8	5/16	15/32	15/32
.170	1/32	4-28RFT4-.031	4-28RFT4-.031-SS	4-28RFT4-.031-316SS	4-28RFT4-.031-NP	3/8	5/16	1/2	5/16
.170	.040 / 1mm	4-28RFT4-.040	4-28RFT4-.040-SS	4-28RFT4-.040-316SS	4-28RFT4-.040-NP	3/8	5/16	1/2	5/16
.170	3/64	4-28RFT4-.045	4-28RFT4-.045-SS	4-28RFT4-.045-316SS	4-28RFT4-.045-NP	3/8	5/16	1/2	5/16

Note: Dimensions may vary at time of manufacturing.

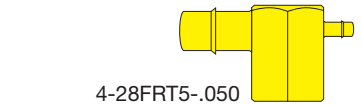
499

1/4-28 (4-28) Female Thread to Tube Reducing Tees

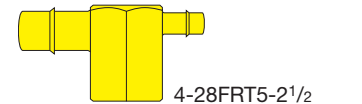
Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
.170	.050	4-28FRT4-.050	4-28FRT4-.050-SS	4-28FRT4-.050-316SS	4-28FRT4-.050-NP	3/8	5/16	1/2	5/16
.170	1/16	4-28FRT4-1	4-28FRT4-1-SS	4-28FRT4-1-316SS	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	15/32
.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	15/32
3/16	1/32	4-28FRT5-.031	4-28FRT5-.031-SS	4-28FRT5-.031-316SS	4-28FRT5-.031-NP	1/2	3/8	9/16	11/32
3/16	.040 / 1mm	4-28FRT5-.040	4-28FRT5-.040-SS	4-28FRT5-.040-316SS	4-28FRT5-.040-NP	1/2	3/8	9/16	11/32
3/16	3/64	4-28FRT5-.045	4-28FRT5-.045-SS	4-28FRT5-.045-316SS	4-28FRT5-.045-NP	1/2	3/8	9/16	11/32
3/16	.050	4-28FRT5-.050	4-28FRT5-.050-SS	4-28FRT5-.050-316SS	4-28FRT5-.050-NP	1/2	3/8	9/16	11/32
3/16	1/16	4-28FRT5-1	4-28FRT5-1-SS	4-28FRT5-1-316SS	4-28FRT5-1-NP	1/2	3/8	9/16	13/32
3/16	5/64 / 2mm	4-28FRT5-2	4-28FRT5-2-SS	4-28FRT5-2-316SS	4-28FRT5-2-NP	1/2	3/8	9/16	13/32
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	3/8	9/16	13/32
3/16	1/8	4-28FRT5-3	4-28FRT5-3-SS	4-28FRT5-3-316SS	4-28FRT5-3-NP	1/2	3/8	9/16	1/2
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	3/8	9/16	1/2
3/16	.170	4-28FRT5-4	4-28FRT5-4-SS	4-28FRT5-4-316SS	4-28FRT5-4-NP	1/2	3/8	9/16	1/2
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	3/8	9/16	13/32
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	3/8	9/16	13/32
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	3/8	9/16	13/32
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	3/8	9/16	15/32
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	3/8	9/16	15/32
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	3/8	9/16	1/2
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	3/8	9/16	9/16
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	1/2	3/4	15/32
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	1/2	3/4	15/32
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	1/2	3/4	15/32
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	1/2	3/4	9/16
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	1/2	3/4	9/16
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	1/2	3/4	19/32
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	1/2	3/4	3/8
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	1/2	3/4	3/8
1/4	1/16	4-28FRT6-1	4-28FRT6-1-SS	4-28FRT6-1-316SS	4-28FRT6-1-NP	9/16	1/2	3/4	15/32
1/4	5/64 / 2mm	4-28FRT6-2	4-28FRT6-2-SS	4-28FRT6-2-316SS	4-28FRT6-2-NP	9/16	1/2	3/4	15/32
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	1/2	3/4	15/32
1/4	1/8	4-28FRT6-3	4-28FRT6-3-SS	4-28FRT6-3-316SS	4-28FRT6-3-NP	9/16	1/2	3/4	9/16
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	1/2	3/4	9/16
1/4	.170	4-28FRT6-4	4-28FRT6-4-SS	4-28FRT6-4-316SS	4-28FRT6-4-NP	9/16	1/2	3/4	19/32
1/4	3/16	4-28FRT6-5	4-28FRT6-5-SS	4-28FRT6-5-316SS	4-28FRT6-5-NP	9/16	1/2	3/4	3/8
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	1/2	3/4	3/8
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	1/2	3/4	3/4



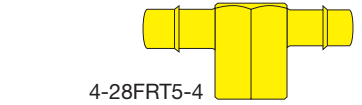
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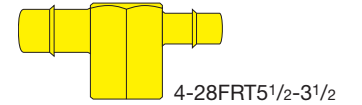
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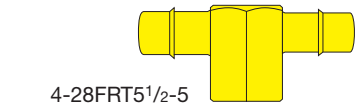
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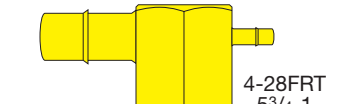
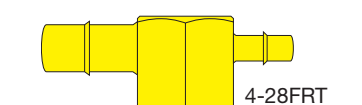
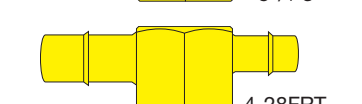
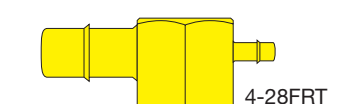
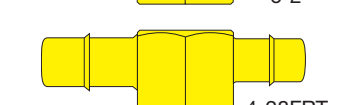
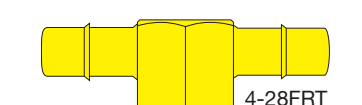
4-28RFT5-4



4-28RFT5 1/2-3 1/2



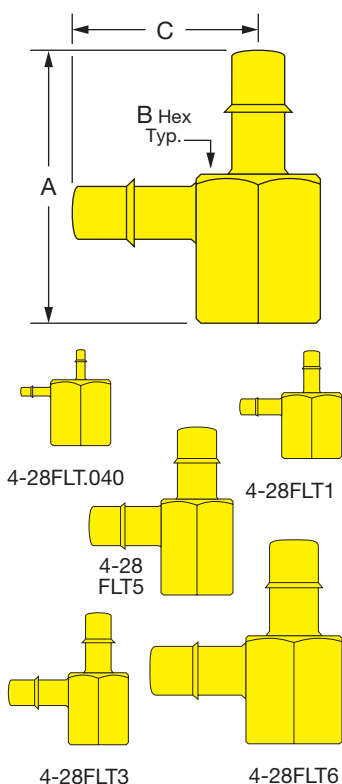
4-28RFT5 1/2-5


4-28RFT
5 3/4-1

4-28RFT
5 3/4-3

4-28RFT
5 3/4-4

4-28RFT
6-2

4-28RFT
6-5 1/2

4-28RFT
6-5 3/4



1/4-28 (4-28) Female Thread to Tube L-Tees

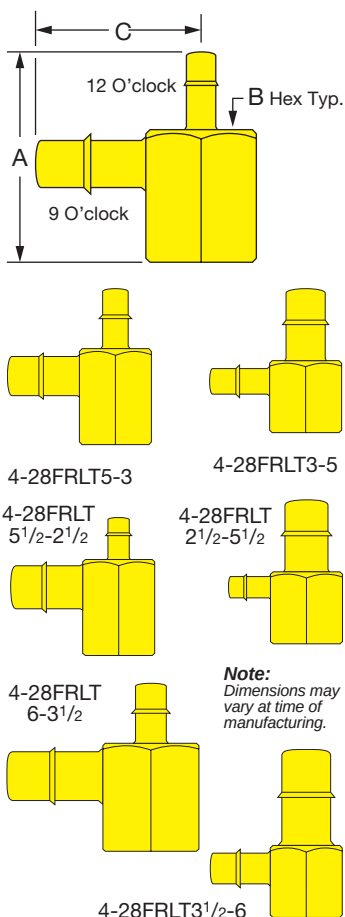
500



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	1 1/16	5/16	1/2
3/16	4-28FLT5	4-28FLT5-SS	4-28FLT5-316SS	4-28FLT5-NP	7/8	3/8	9/16
7/32	4-28FLT5 1/2	4-28FLT5 1/2-SS	4-28FLT5 1/2-316SS	4-28FLT5 1/2-NP	7/8	3/8	9/16
6mm	4-28FLT5 3/4	4-28FLT5 3/4-SS	4-28FLT5 3/4-316SS	4-28FLT5 3/4-NP	1 1/16	1/2	3/4
1/4	4-28FLT6	4-28FLT6-SS	4-28FLT6-316SS	4-28FLT6-NP	1 1/16	1/2	3/4

1/4-28 (4-28) Female Thread to Tube Reducing L-Tees

501

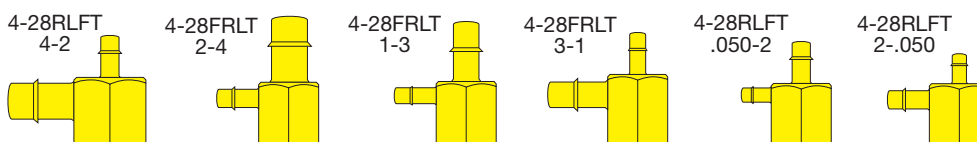


Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/32	.031	17/32	5/16	Consult Factory Consult Factory
.040 / 1mm	.040	17/32	5/16	
3/64	.045	17/32	5/16	
.050	.050	17/32	5/16	
1/16	1	19/32	5/16	
5/64 / 2mm	2	19/32	5/16	
3/32	2 1/2	19/32	5/16	

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

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 #

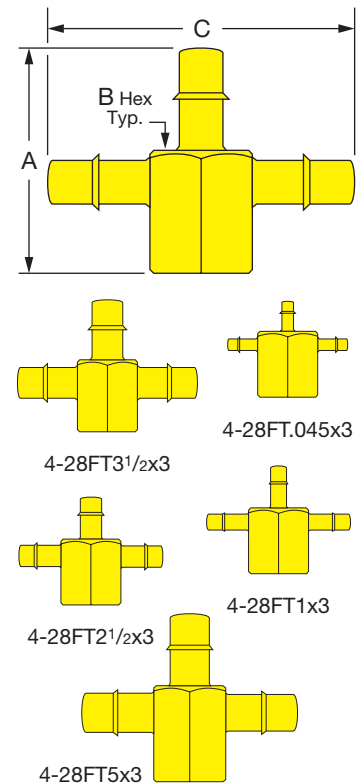


Unless otherwise specified, parts will be Brass. For other materials, add the following codes to the part number:
 -SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

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1/4-28 (4-28) Female Thread to Tube Tees x 3

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	4-28FT.031x3	4-28FT.031x3-SS	4-28FT.031x3-316SS	4-28FT.031x3-NP	17/32	5/16	5/8
.040 / 1mm	4-28FT.040x3	4-28FT.040x3-SS	4-28FT.040x3-316SS	4-28FT.040x3-NP	17/32	5/16	5/8
3/64	4-28FT.045x3	4-28FT.045x3-SS	4-28FT.045x3-316SS	4-28FT.045x3-NP	17/32	5/16	5/8
.050	4-28FT.050x3	4-28FT.050x3-SS	4-28FT.050x3-316SS	4-28FT.050x3-NP	17/32	5/16	5/8
1/16	4-28FT1x3	4-28FT1x3-SS	4-28FT1x3-316SS	4-28FT1x3-NP	19/32	5/16	3/4
5/64 / 2mm	4-28FT2x3	4-28FT2x3-SS	4-28FT2x3-316SS	4-28FT2x3-NP	19/32	5/16	3/4
3/32	4-28FT2 1/2x3	4-28FT2 1/2x3-SS	4-28FT2 1/2x3-316SS	4-28FT2 1/2x3-NP	19/32	5/16	3/4
1/8	4-28FT3x3	4-28FT3x3-SS	4-28FT3x3-316SS	4-28FT3x3-NP	1 1/16	5/16	15/16
5/32 / 4mm	4-28FT3 1/2x3	4-28FT3 1/2x3-SS	4-28FT3 1/2x3-316SS	4-28FT3 1/2x3-NP	1 1/16	5/16	15/16
.170	4-28FT4x3	4-28FT4x3-SS	4-28FT4x3-316SS	4-28FT4x3-NP	1 1/16	5/16	1
3/16	4-28FT5x3	4-28FT5x3-SS	4-28FT5x3-316SS	4-28FT5x3-NP	7/8	3/8	1 1/8
7/32	4-28FT5 1/2x3	4-28FT5 1/2x3-SS	4-28FT5 1/2x3-316SS	4-28FT5 1/2x3-NP	7/8	3/8	1 1/8
6mm	4-28FT5 3/4x3	4-28FT5 3/4x3-SS	4-28FT5 3/4x3-316SS	4-28FT5 3/4x3-NP	1 1/16	1/2	1 1/2
1/4	4-28FT6x3	4-28FT6x3-SS	4-28FT6x3-316SS	4-28FT6x3-NP	1 1/16	1/2	1 1/2

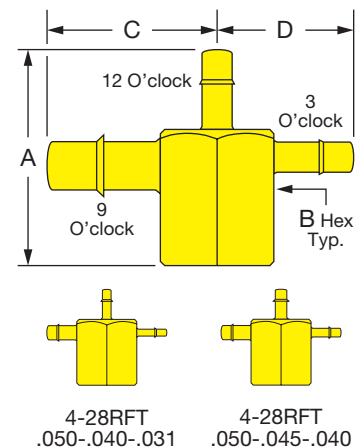


503

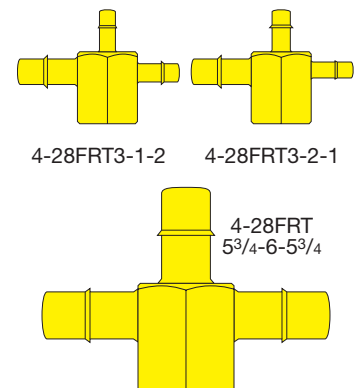
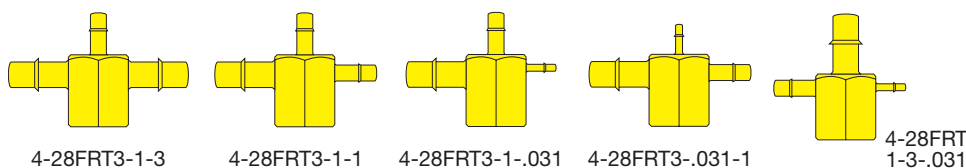
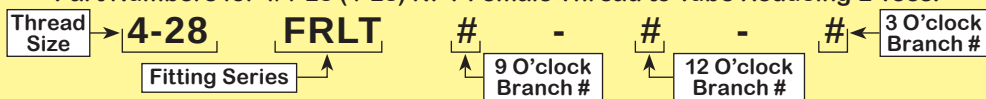
1/4-28 (4-28) Female Thread to Tube Tees x 3

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	17/32	5/16	Consult Factory	Consult Factory
.040 / 1mm	.040	17/32	5/16	Consult Factory	Consult Factory
3/64	.045	17/32	5/16	Consult Factory	Consult Factory
.050	.050	17/32	5/16	Consult Factory	Consult Factory
1/16	1	19/32	5/16	Consult Factory	Consult Factory
5/64 / 2mm	2	19/32	5/16	Consult Factory	Consult Factory
3/32	2 1/2	19/32	5/16	Consult Factory	Consult Factory

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



Part Numbers for 1/4-28 (4-28) NPT Female Thread to Tube Reducing L-Tees:



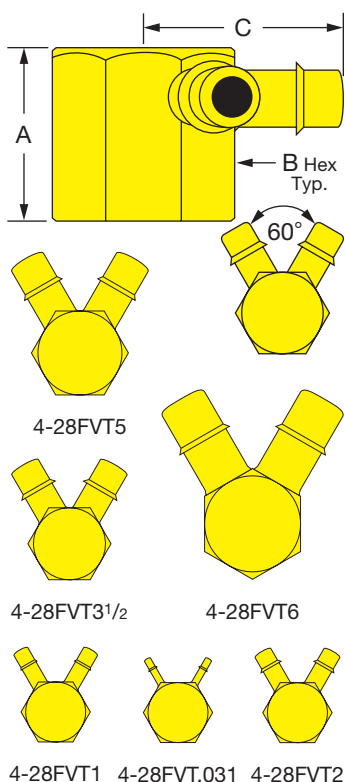
Unless otherwise specified, parts will be Brass. For other materials, add the following codes to the part number:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

Note: Dimensions may vary at time of manufacturing.



1/4-28 (4-28) Female Thread to Tube V-Tees

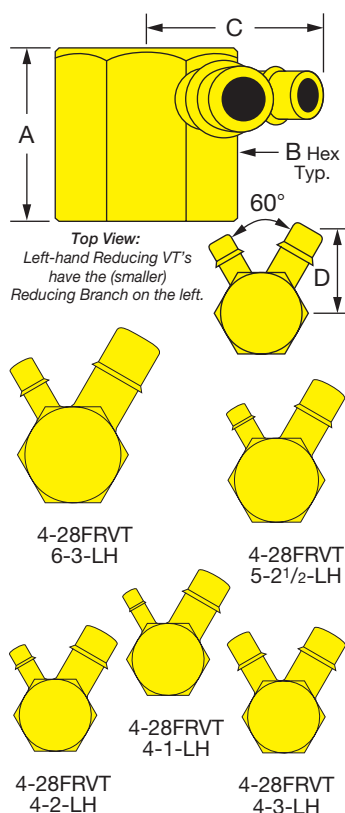
504



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	Consult Factory
.040 / 1mm	4-28FVT.040	4-28FVT.040-SS	4-28FVT.040-316SS	4-28FVT.040-NP	3/8	5/16	
3/64	4-28FVT.045	4-28FVT.045-SS	4-28FVT.045-316SS	4-28FVT.045-NP	3/8	5/16	
.050	4-28FVT.050	4-28FVT.050-SS	4-28FVT.050-316SS	4-28FVT.050-NP	3/8	5/16	
1/16	4-28FVT1	4-28FVT1-SS	4-28FVT1-316SS	4-28FVT1-NP	3/8	5/16	
5/64 / 2mm	4-28FVT2	4-28FVT2-SS	4-28FVT2-316SS	4-28FVT2-NP	3/8	5/16	
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	
1/8	4-28FVT3	4-28FVT3-SS	4-28FVT3-316SS	4-28FVT3-NP	3/8	3/8	
5/32 / 4mm	4-28FVT3 1/2	4-28FVT3 1/2-SS	4-28FVT3 1/2-316SS	4-28FVT3 1/2-NP	3/8	3/8	
.170	4-28FVT4	4-28FVT4-SS	4-28FVT4-316SS	4-28FVT4-NP	3/8	3/8	
3/16	4-28FVT5	4-28FVT5-SS	4-28FVT5-316SS	4-28FVT5-NP	1/2	7/16	Consult Factory
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	
6mm	4-28FVT5 3/4	4-28FVT5 3/4-SS	4-28FVT5 3/4-316SS	4-28FVT5 3/4-NP	9/16	1/2	
1/4	4-28FVT6	4-28FVT6-SS	4-28FVT6-316SS	4-28FVT6-NP	9/16	1/2	

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	Consult Factory	Consult Factory
.040 / 1mm	.040	3/8	5/16	Consult Factory	Consult Factory
3/64	.045	3/8	5/16	Consult Factory	Consult Factory
.050	.050	3/8	5/16	Consult Factory	Consult Factory
1/16	1	3/8	5/16	Consult Factory	Consult Factory
5/64 / 2mm	2	3/8	5/16	Consult Factory	Consult Factory
3/32	2 1/2	3/8	5/16	Consult Factory	Consult Factory

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

Part Numbers for 1/4-28 (4-28) NPT Female Thread to Tube Reducing Left-Hand V-Tees:

Thread Size	4-28	RVT	#	-	#	-	LH	Left-Hand Indicator
	Fitting Series		Larger Branch #		Smaller Branch #			



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

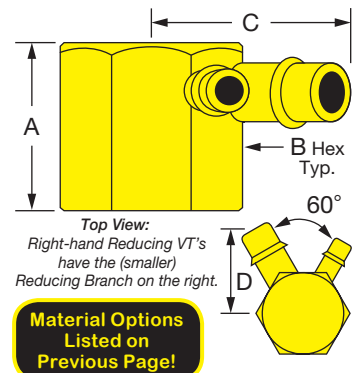
Unless otherwise specified, parts will be Brass. For other materials, add the following codes to the part number:
 -SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

506

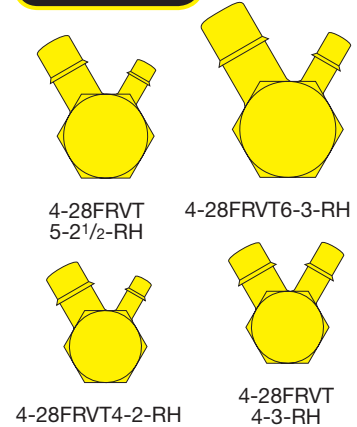
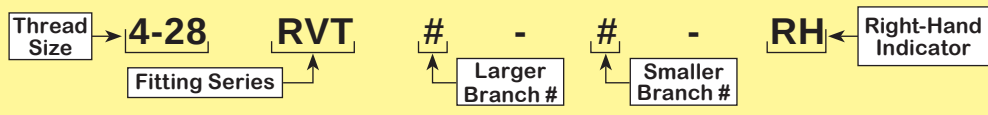
1/4-28 (4-28) Female Thread to Tube Custom Reducing Right-Hand V-Tees

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

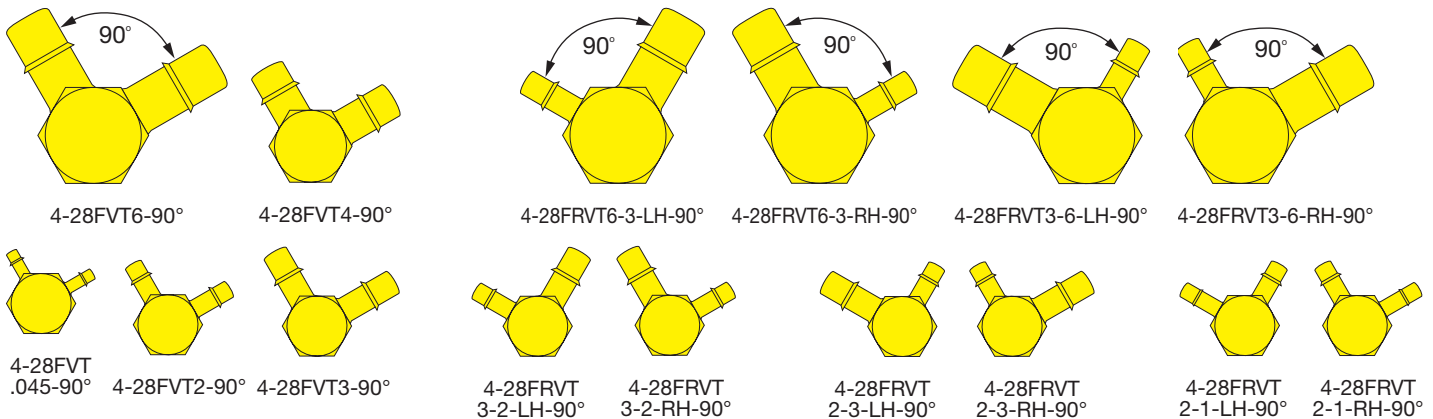
Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/8	3	3/8	5/16	Consult Factory	Consult Factory
5/32 / 4mm	3 1/2	3/8	5/16	Consult Factory	Consult Factory
.170	4	3/8	5/16	Consult Factory	Consult Factory
3/16	5	1/2	3/8	Consult Factory	Consult Factory
7/32	5 1/2	1/2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



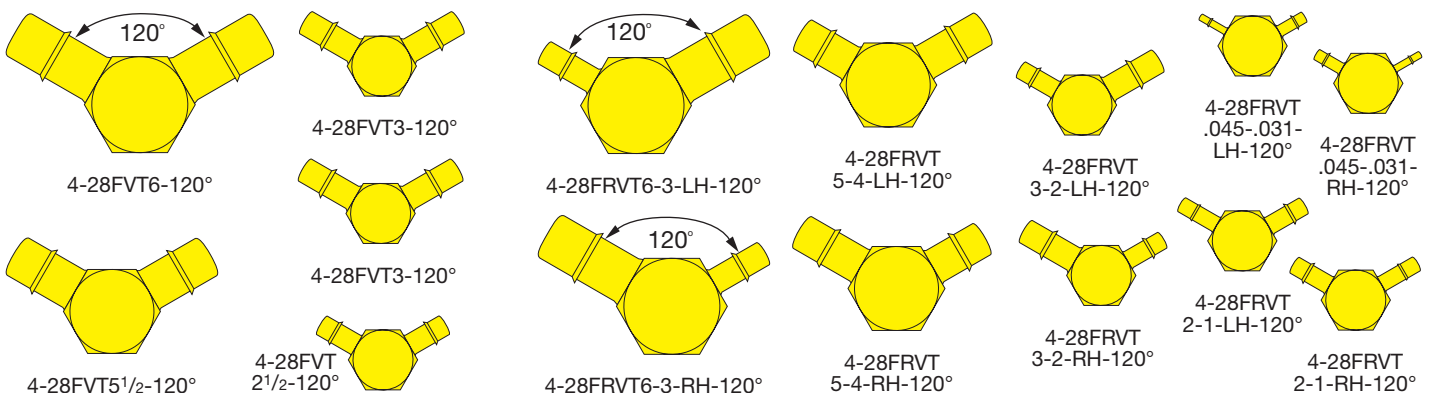
Part Numbers for 1/4-28 (4-28) NPT Female Thread to Tube Reducing Right-Hand V-Tees:



1/4-28 Female Thread to Tube Custom 90° V-Tees & Reducing V-Tees Available! Consult Factory for Details!



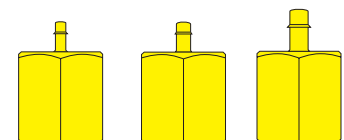
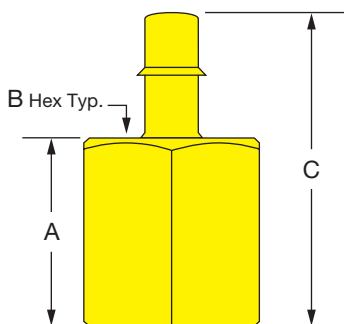
1/4-28 Female Thread to Tube Custom 120° V-Tees & Reducing V-Tees Available! Consult Factory for Details!



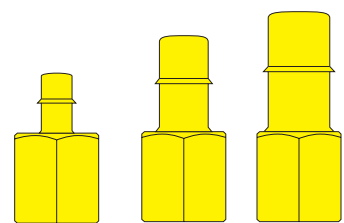


1/16 Female Pipe Thread to Tube

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1/16FB.040 1/16FB.050 1/16FB2

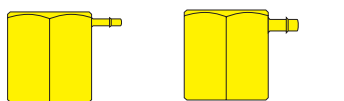
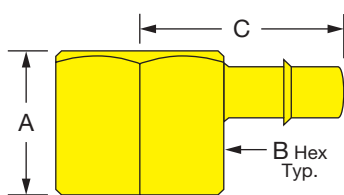


1/16FB3 1/2 1/16FB6 1/16FB7

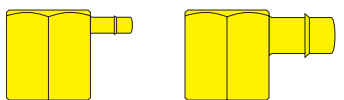
Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/16FB.031	1/16FB.031-SS	1/16FB.031-316SS	N/A	1/16FB.031-NP	15/32	7/16	5/8
.040 / 1mm	1/16FB.040	1/16FB.040-SS	1/16FB.040-316SS	N/A	1/16FB.040-NP	15/32	7/16	5/8
3/64	1/16FB.045	1/16FB.045-SS	1/16FB.045-316SS	N/A	1/16FB.045-NP	15/32	7/16	5/8
.050	1/16FB.050	1/16FB.050-SS	1/16FB.050-316SS	N/A	1/16FB.050-NP	15/32	7/16	5/8
1/16	1/16FB1	1/16FB1-SS	1/16FB1-316SS	1/16FB1-AL	1/16FB1-NP	15/32	7/16	1 1/16
5/64 / 2mm	1/16FB2	1/16FB2-SS	1/16FB2-316SS	1/16FB2-AL	1/16FB2-NP	15/32	7/16	1 1/16
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	15/32	7/16	1 1/16
1/8	1/16FB3	1/16FB3-SS	1/16FB3-316SS	1/16FB3-AL	1/16FB3-NP	15/32	7/16	25/32
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	15/32	7/16	25/32
.170	1/16FB4	1/16FB4-SS	1/16FB4-316SS	1/16FB4-AL	1/16FB4-NP	15/32	7/16	13/16
3/16	1/16FB5	1/16FB5-SS	1/16FB5-316SS	1/16FB5-AL	1/16FB5-NP	15/32	7/16	27/32
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	15/32	7/16	27/32
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	15/32	7/16	31/32
1/4	1/16FB6	1/16FB6-SS	1/16FB6-316SS	1/16FB6-AL	1/16FB6-NP	15/32	7/16	31/32
5/16 / 8mm	1/16FB7	1/16FB7-SS	1/16FB7-316SS	1/16FB7-AL	1/16FB7-NP	15/32	7/16	1 3/32
3/8	1/16FB8	1/16FB8-SS	1/16FB8-316SS	1/16FB8-AL	1/16FB8-NP	15/32	7/16	1

1/16 Female Pipe Thread to Tube Elbows

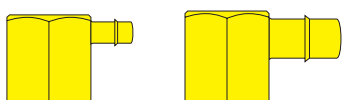
508



1/16FLB.031 1/16FLB.045



1/16FLB1 1/16FLB4



1/16FLB2 1/2 1/16FLB5

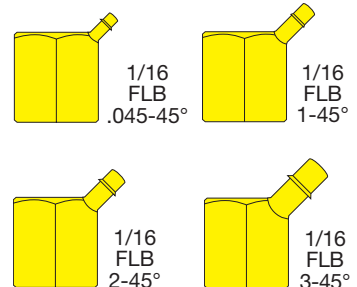
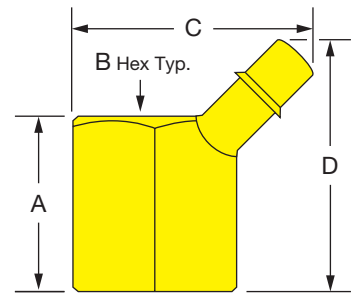
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/16FLB.031	1/16FLB.031-SS	1/16FLB.031-316SS	1/16FLB.031-NP	15/32	7/16	3/8
.040 / 1mm	1/16FLB.040	1/16FLB.040-SS	1/16FLB.040-316SS	1/16FLB.040-NP	15/32	7/16	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	1/2	3/4
1/4	1/16FLB6	1/16FLB6-SS	1/16FLB6-316SS	1/16FLB6-NP	9/16	1/2	3/4

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

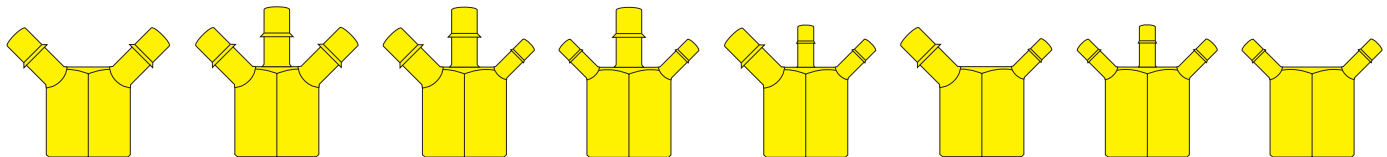
509

1/16 Female Pipe 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



Custom 1/16 Female Pipe Thread to Tube Fittings Available! Consult Factory for Details!

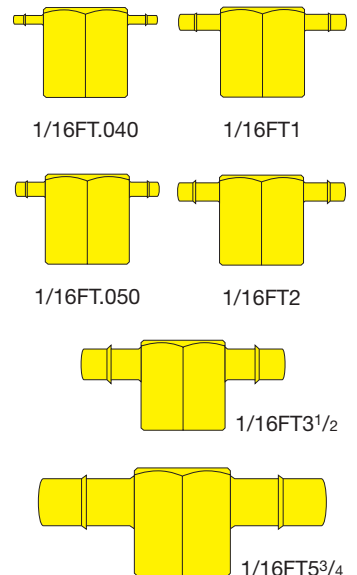
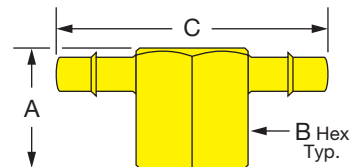


S

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1/16 Female Pipe Thread to Tube Tees

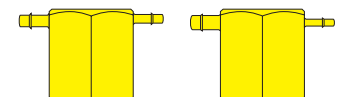
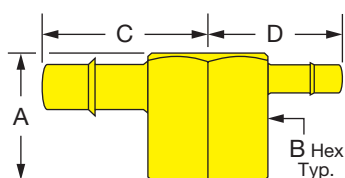
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/16FT.031	1/16FT.031-SS	1/16FT.031-316SS	1/16FT.031-NP	15/32	7/16	3/4
.040 / 1mm	1/16FT.040	1/16FT.040-SS	1/16FT.040-316SS	1/16FT.040-NP	15/32	7/16	3/4
3/64	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	1/2	1 1/2
1/4	1/16FT6	1/16FT6-SS	1/16FT6-316SS	1/16FT6-NP	9/16	1/2	1 1/2



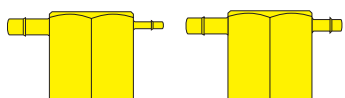


1/16 Female Pipe Thread to Tube Reducing Tees

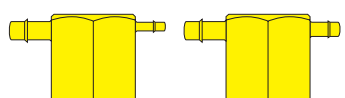
511



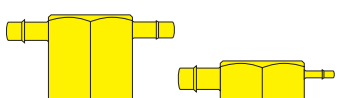
1/16FRT.045-.040 1/16FRT.050-.031



1/16FRT1-.031 1/16FRT1-.045



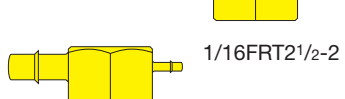
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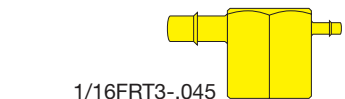
1/16FRT2-1



1/16FRT2 1/2-.031



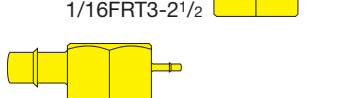
1/16FRT2 1/2-1



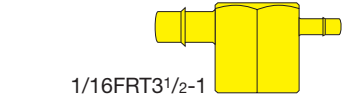
1/16FRT2 1/2-2



1/16FRT3-.040



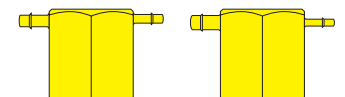
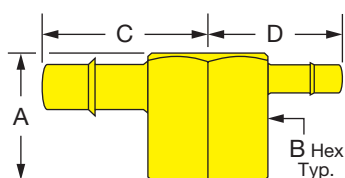
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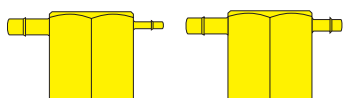
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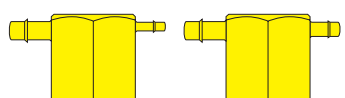
1/16FRT3-2 1/2



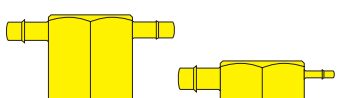
1/16FRT.045-.040 1/16FRT.050-.031



1/16FRT1-.031 1/16FRT1-.045



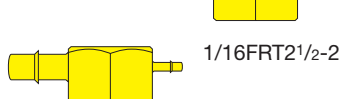
1/16FRT2-.040 1/16FRT2-.050



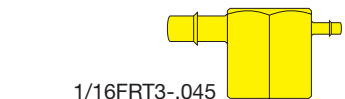
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1/16FRT2 1/2-.031



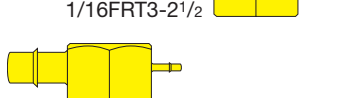
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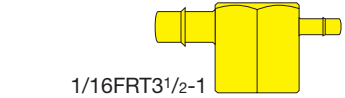
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1/16FRT3-.040



1/16FRT3-.045



1/16FRT3-2



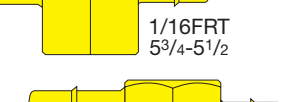
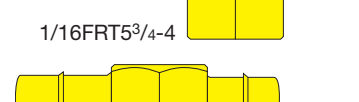
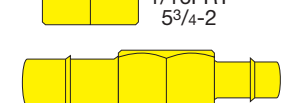
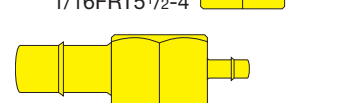
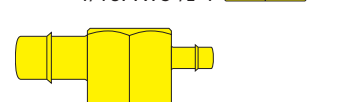
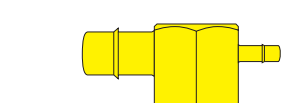
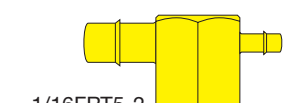
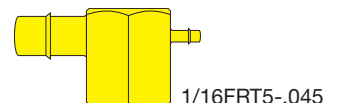
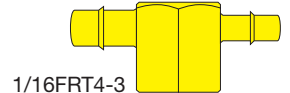
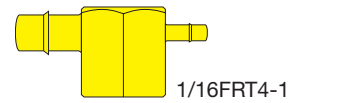
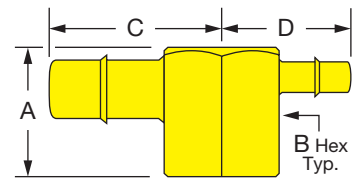
1/16FRT3-2 1/2

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.
.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 Pipe 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.
.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	1/2	3/4	15/32
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	1/2	3/4	15/32
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	1/2	3/4	15/32
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	1/2	3/4	9/16
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	1/2	3/4	9/16
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	1/2	3/4	19/32
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	1/2	3/4	5/8
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	1/2	3/4	5/8
1/4	1/16	1/16FRT6-1	1/16FRT6-1-SS	1/16FRT6-1-316SS	1/16FRT6-1-NP	9/16	1/2	3/4	15/32
1/4	5/64 / 2mm	1/16FRT6-2	1/16FRT6-2-SS	1/16FRT6-2-316SS	1/16FRT6-2-NP	9/16	1/2	3/4	15/32
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	1/2	3/4	15/32
1/4	1/8	1/16FRT6-3	1/16FRT6-3-SS	1/16FRT6-3-316SS	1/16FRT6-3-NP	9/16	1/2	3/4	9/16
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	1/2	3/4	9/16
1/4	.170	1/16FRT6-4	1/16FRT6-4-SS	1/16FRT6-4-316SS	1/16FRT6-4-NP	9/16	1/2	3/4	19/32
1/4	3/16	1/16FRT6-5	1/16FRT6-5-SS	1/16FRT6-5-316SS	1/16FRT6-5-NP	9/16	1/2	3/4	5/8
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	1/2	3/4	5/8
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	1/2	3/4	3/4

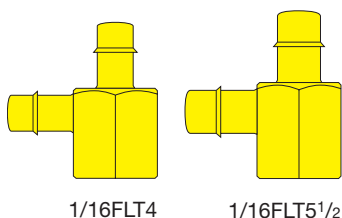
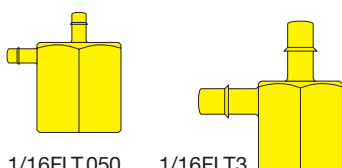
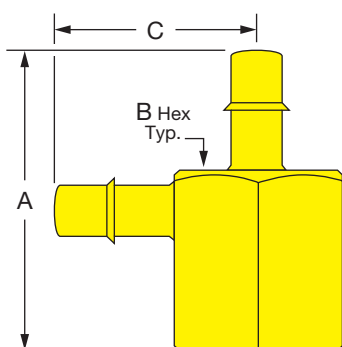


Note: Images are for visual representation only; not intended for dimensional measurements. Dimensions may vary at time of manufacturing.



1/16 Female Pipe Thread to Tube L-Tees

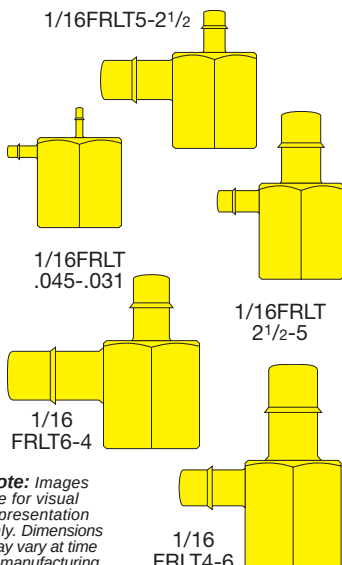
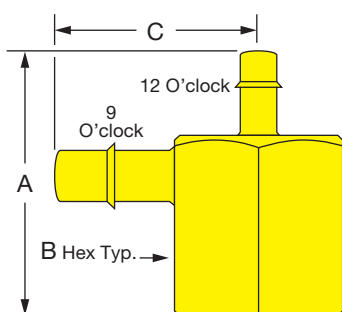
513



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	25/32	7/16	9/16
3/16	1/16FLT5	1/16FLT5-SS	1/16FLT5-316SS	1/16FLT5-NP	3/4	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	3/4	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	1/2	3/4
1/4	1/16FLT6	1/16FLT6-SS	1/16FLT6-316SS	1/16FLT6-NP	1 1/16	1/2	3/4

1/16 Female Pipe Thread to Tube Reducing L-Tees

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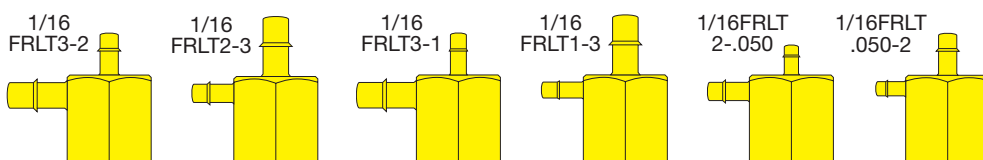


Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/32	.031	5/8	7/16	Consult Factory
.040 / 1mm	.040	5/8	7/16	
3/64	.045	5/8	7/16	
.050	.050	5/8	7/16	
1/16	1	1 1/16	7/16	
5/64 / 2mm	2	1 1/16	7/16	
3/32	2 1/2	1 1/16	7/16	

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/8	3	25/32	7/16	Consult Factory
5/32 / 4mm	3 1/2	25/32	7/16	
.170	4	25/32	7/16	
3/16	5	3/4	7/16	
7/32	5 1/2	3/4	7/16	
6mm	5 3/4	1 1/16	1/2	
1/4	6	1 1/16	1/2	

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 #	



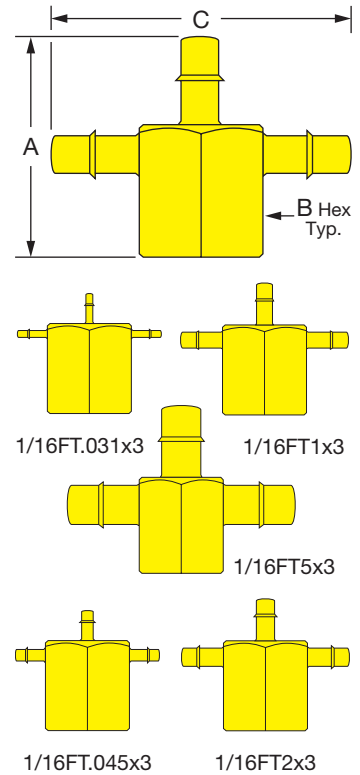
Unless otherwise specified, parts will be Brass. For other materials, add the following codes to the part number:
 -SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

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

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1/16 Female Pipe 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	25/32	7/16	1 3/32
3/16	1/16FT5x3	1/16FT5x3-SS	1/16FT5x3-316SS	1/16FT5x3-NP	3/4	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	3/4	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	1/2	1 1/2
1/4	1/16FT6x3	1/16FT6x3-SS	1/16FT6x3-316SS	1/16FT6x3-NP	1 1/16	1/2	1 1/2

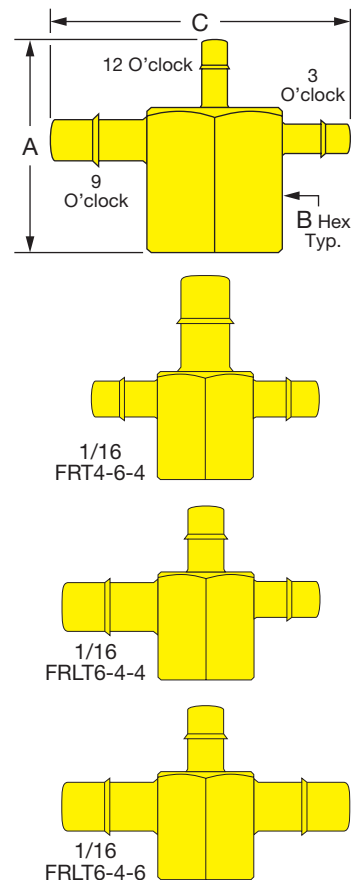


516

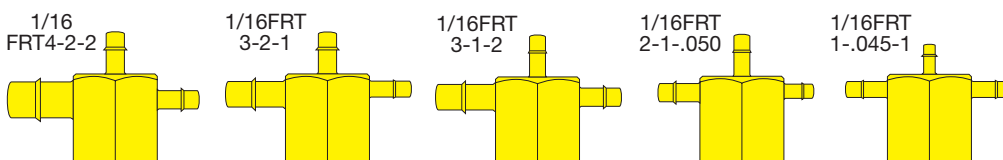
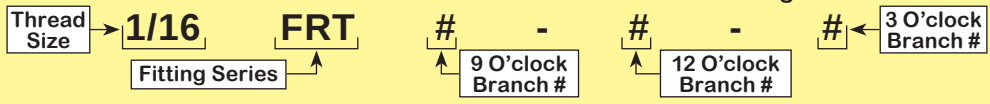
1/16 Female Pipe Thread to Tube Custom Reducing Tees x 3

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

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
5/32 / 4mm	3	25/32	7/16	Consult Factory	Consult Factory
5/32 / 4mm	3 1/2	25/32	7/16	Consult Factory	Consult Factory
.170	4	25/32	7/16	Consult Factory	Consult Factory
3/16	5	3/4	7/16	Consult Factory	Consult Factory
7/32	5 1/2	3/4	7/16	Consult Factory	Consult Factory
6mm	5 3/4	1 1/16	1/2	Consult Factory	Consult Factory
1/4	6	1 1/16	1/2	Consult Factory	Consult Factory



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



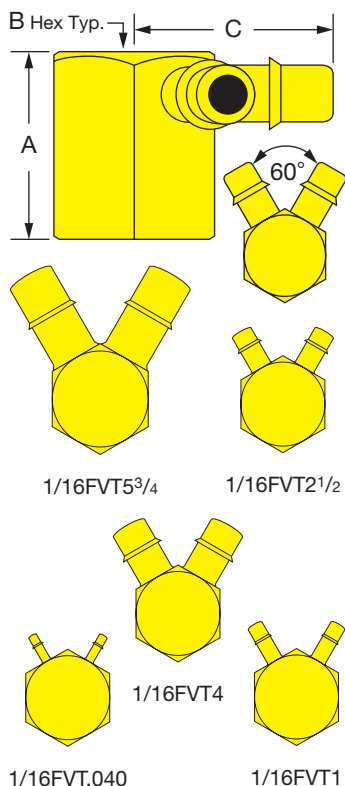
Unless otherwise specified, parts will be Brass. For other materials, add the following codes to the part number:

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



1/16 Female Pipe Thread to Tube V-Tees

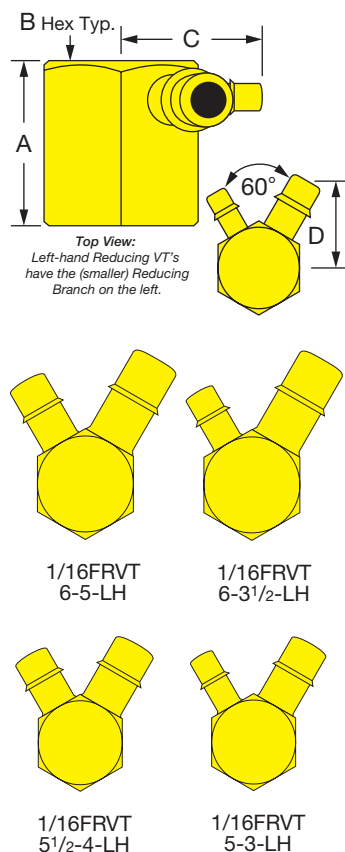
517



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 Pipe 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	Consult Factory	Consult Factory
.040 / 1mm	.040	15/32	7/16	Consult Factory	Consult Factory
3/64	.045	15/32	7/16	Consult Factory	Consult Factory
.050	.050	15/32	7/16	Consult Factory	Consult Factory
1/16	1	15/32	7/16	Consult Factory	Consult Factory
5/64 / 2mm	2	15/32	7/16	Consult Factory	Consult Factory
3/32	2 ^{1/2}	15/32	7/16	Consult Factory	Consult Factory

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

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

Thread Size	1/16	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

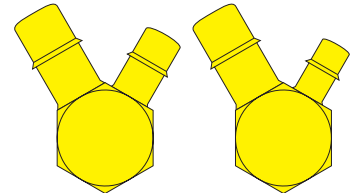
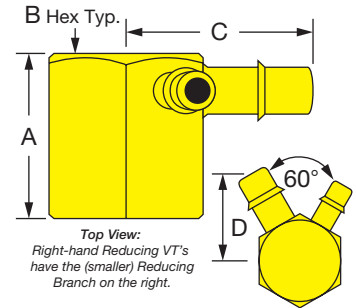
Note: Images are for visual representation only.
 Dimensions may vary at time of manufacturing. Consult factory for details.

519

1/16 Female Pipe Thread to Tube Reducing Right-Hand V-Tees

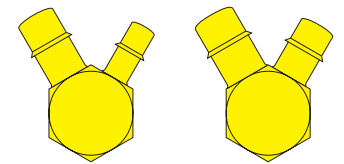
Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	15/32	7/16	Consult Factory	Consult Factory
.040 / 1mm	.040	15/32	7/16	Consult Factory	Consult Factory
3/64	.045	15/32	7/16	Consult Factory	Consult Factory
.050	.050	15/32	7/16	Consult Factory	Consult Factory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

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



1/16FRVT
6-5-RH

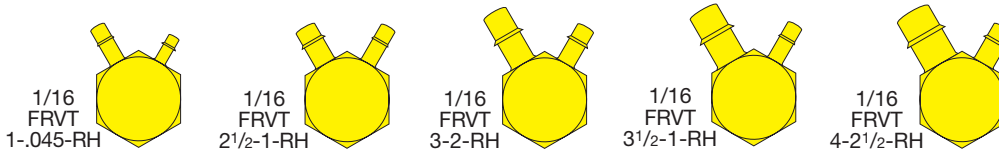
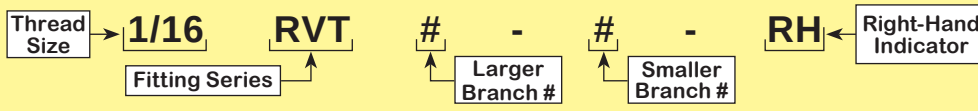
1/16FRVT
6-3 1/2-RH



1/16FRVT
5-3-RH

1/16FRVT
5 1/2-4-RH

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



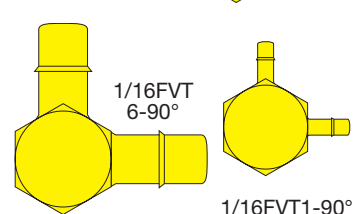
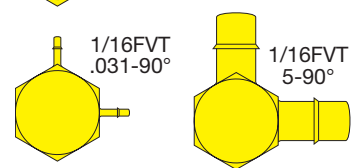
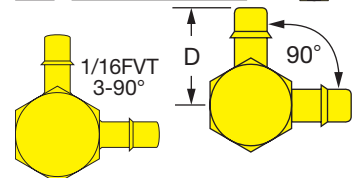
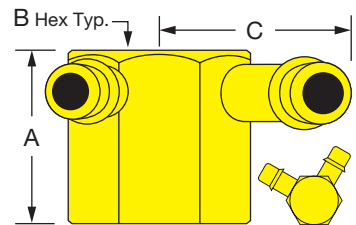
Unless otherwise specified, parts will be Brass. For other materials, add the following codes to the part number:
 -SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

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

520

1/16 Female Pipe Thread to Tube Custom 90° V-Tees

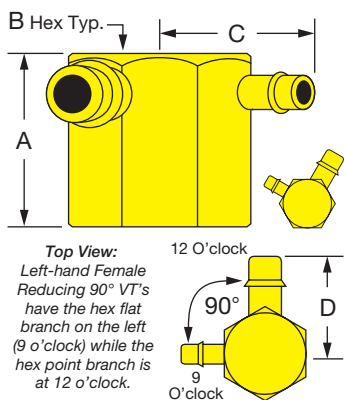
Tube ID	Part Numbers				Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/32	1/16FVT.031-90°	1/16FVT.031-90°-SS	1/16FVT.031-90°-316SS	1/16FVT.031-90°-NP	15/32	7/16	3/8	Consult Factory
.040 / 1mm	1/16FVT.040-90°	1/16FVT.040-90°-SS	1/16FVT.040-90°-316SS	1/16FVT.040-90°-NP	15/32	7/16	3/8	Consult Factory
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	Consult Factory
.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	Consult Factory
1/16	1/16FVT1-90°	1/16FVT1-90°-SS	1/16FVT1-90°-316SS	1/16FVT1-90°-NP	15/32	7/16	7/16	Consult Factory
5/64 / 2mm	1/16FVT2-90°	1/16FVT2-90°-SS	1/16FVT2-90°-316SS	1/16FVT2-90°-NP	15/32	7/16	7/16	Consult Factory
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	Consult Factory
1/8	1/16FVT3-90°	1/16FVT3-90°-SS	1/16FVT3-90°-316SS	1/16FVT3-90°-NP	15/32	7/16	17/32	Consult Factory
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	Consult Factory
.170	1/16FVT4-90°	1/16FVT4-90°-SS	1/16FVT4-90°-316SS	1/16FVT4-90°-NP	15/32	7/16	9/16	Consult Factory
3/16	1/16FVT5-90°	1/16FVT5-90°-SS	1/16FVT5-90°-316SS	1/16FVT5-90°-NP	1/2	7/16	19/32	Consult Factory
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	Consult Factory
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	Consult Factory
1/4	1/16FVT6-90°	1/16FVT6-90°-SS	1/16FVT6-90°-316SS	1/16FVT6-90°-NP	9/16	1/2	3/4	Consult Factory





1/16 Female Pipe Thread to Tube Reducing Left-Hand 90° V-Tees

521



Material Options Listed Below!

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

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

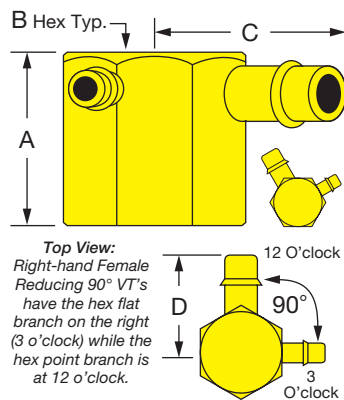
Part Numbers for 1/16 NPT Female Pipe Thread to Tube Reducing Left-Hand 90° V-Tees:

Thread Size → **1/16** **FRVT** # - # **LH** - **90°** 90° Indicator

Fitting Series 12 O'clock Branch # 9 O'clock Branch # Left-Hand Indicator

1/16 Female Pipe Thread to Tube Reducing Right-Hand 90° V-Tees

522



Material Options Listed Below!

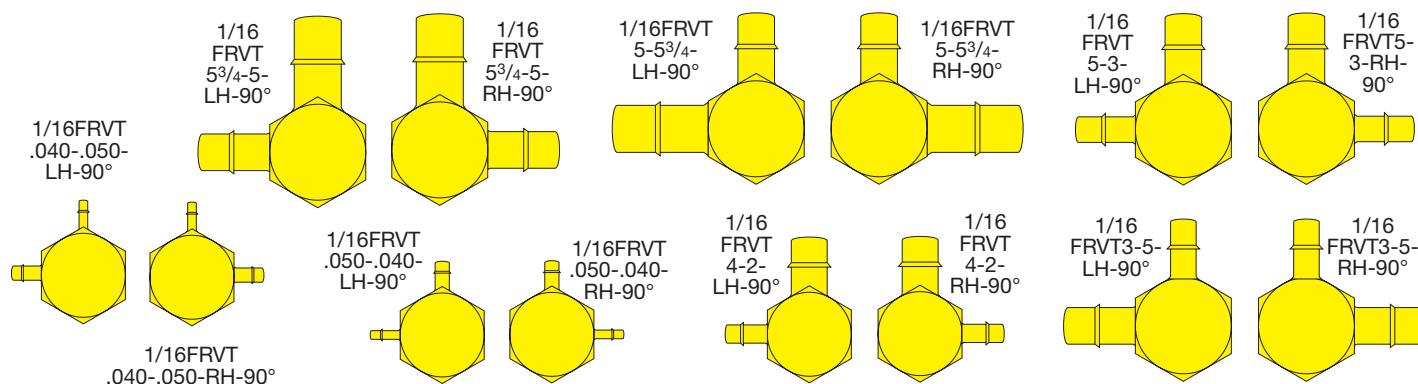
Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	15/32	7/16	Consult Factory	Consult Factory
.040 / 1mm	.040	15/32	7/16	Consult Factory	Consult Factory
3/64	.045	15/32	7/16	Consult Factory	Consult Factory
.050	.050	15/32	7/16	Consult Factory	Consult Factory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

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

Part Numbers for 1/16 NPT Female Pipe Thread to Tube Reducing Right-Hand 90° V-Tees:

Thread Size → **1/16** **FRVT** # - # **RH** - **90°** 90° Indicator

Fitting Series 12 O'clock Branch # 3 O'clock Branch # Right-Hand Indicator

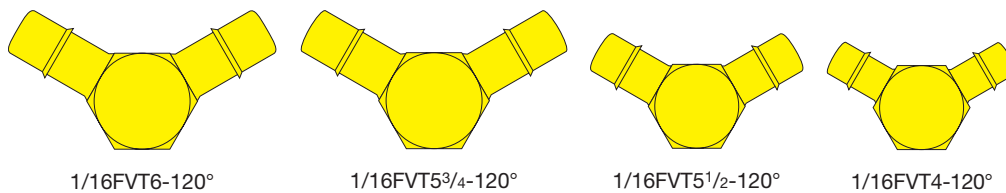
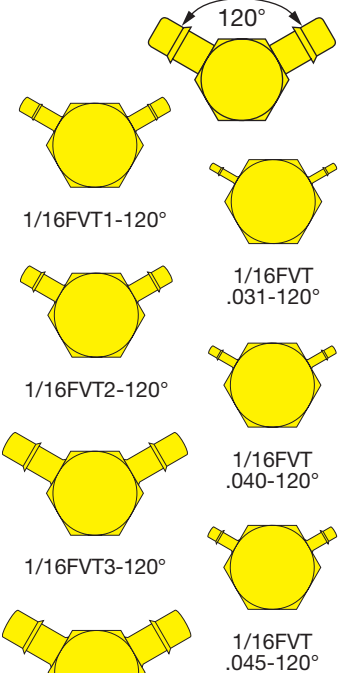
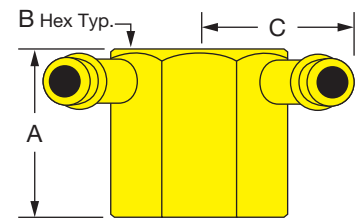


Unless otherwise specified, parts will be Brass. To order other materials, please add the following codes to the part number:
 -SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

523

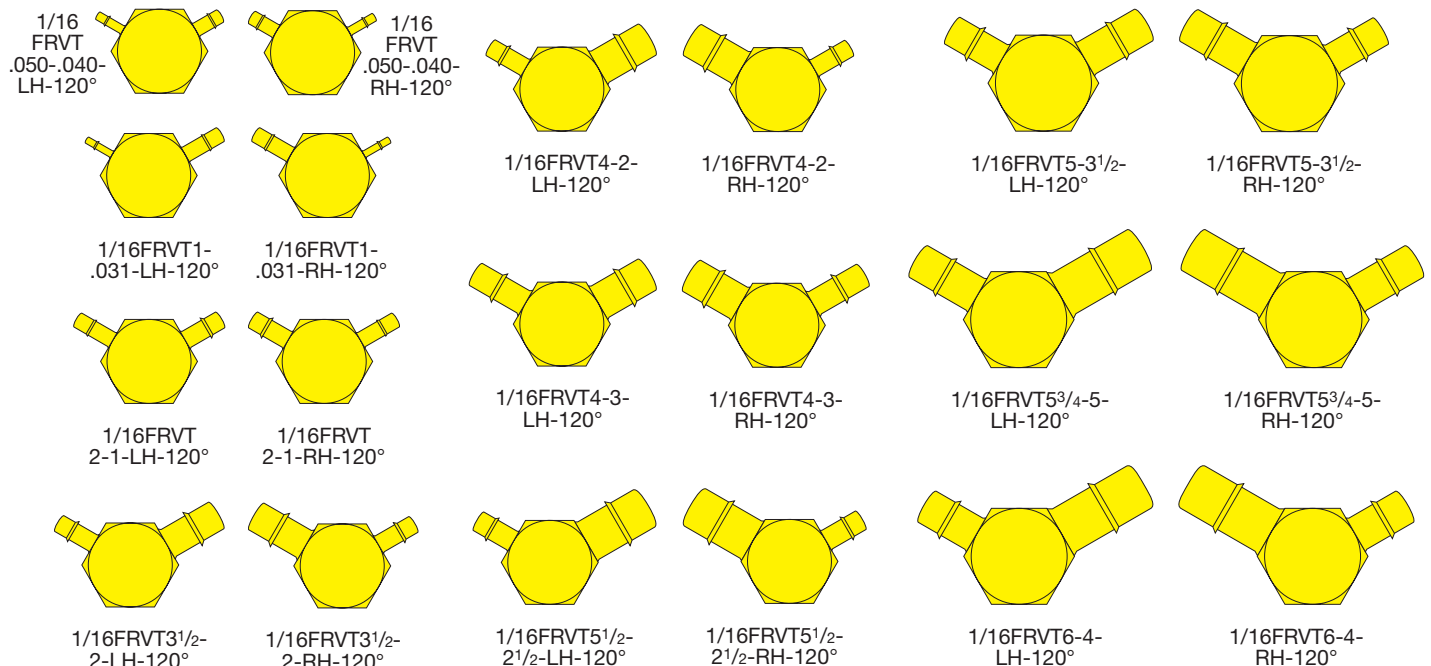
1/16 Female Pipe Thread to Tube Custom 120° V-Tees

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-SS-120°	1/16FVT.031-316SS-120°	1/16FVT.031-NP-120°	15/32	7/16	3/8
.040 / 1mm	1/16FVT.040-120°	1/16FVT.040-SS-120°	1/16FVT.040-316SS-120°	1/16FVT.040-NP-120°	15/32	7/16	3/8
3/64	1/16FVT.045-120°	1/16FVT.045-SS-120°	1/16FVT.045-316SS-120°	1/16FVT.045-NP-120°	15/32	7/16	3/8
.050	1/16FVT.050-120°	1/16FVT.050-SS-120°	1/16FVT.050-316SS-120°	1/16FVT.050-NP-120°	15/32	7/16	3/8
1/16	1/16FVT1-120°	1/16FVT1-SS-120°	1/16FVT1-316SS-120°	1/16FVT1-NP-120°	15/32	7/16	7/16
5/64 / 2mm	1/16FVT2-120°	1/16FVT2-SS-120°	1/16FVT2-316SS-120°	1/16FVT2-NP-120°	15/32	7/16	7/16
3/32	1/16FVT2 1/2-120°	1/16FVT2 1/2-SS-120°	1/16FVT2 1/2-316SS-120°	1/16FVT2 1/2-NP-120°	15/32	7/16	7/16
1/8	1/16FVT3-120°	1/16FVT3-SS-120°	1/16FVT3-316SS-120°	1/16FVT3-NP-120°	15/32	7/16	17/32
5/32 / 4mm	1/16FVT3 1/2-120°	1/16FVT3 1/2-SS-120°	1/16FVT3 1/2-316SS-120°	1/16FVT3 1/2-NP-120°	15/32	7/16	17/32
.170	1/16FVT4-120°	1/16FVT4-SS-120°	1/16FVT4-316SS-120°	1/16FVT4-NP-120°	15/32	7/16	9/16
3/16	1/16FVT5-120°	1/16FVT5-SS-120°	1/16FVT5-316SS-120°	1/16FVT5-NP-120°	1/2	7/16	19/32
7/32	1/16FVT5 1/2-120°	1/16FVT5 1/2-SS-120°	1/16FVT5 1/2-316SS-120°	1/16FVT5 1/2-NP-120°	1/2	7/16	19/32
6mm	1/16FVT5 3/4-120°	1/16FVT5 3/4-SS-120°	1/16FVT5 3/4-316SS-120°	1/16FVT5 3/4-NP-120°	9/16	1/2	3/4
1/4	1/16FVT6-120°	1/16FVT6-SS-120°	1/16FVT6-316SS-120°	1/16FVT6-NP-120°	9/16	1/2	3/4



Note: Dimensions may vary at time of manufacturing.

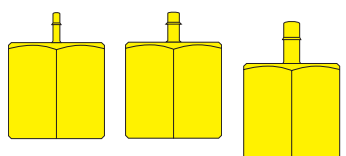
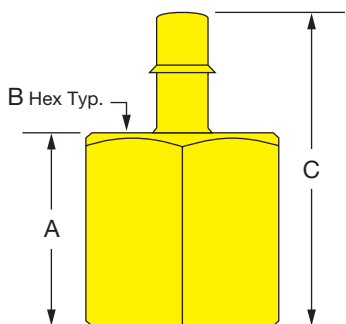
1/16 NPT Female Thread to Tube Custom 120° Reducing V-Tees also Available! Consult Factory for Details!



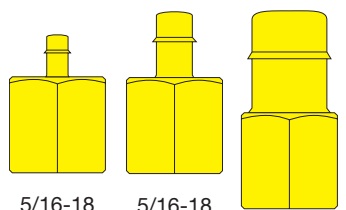


5/16-18 Female Pipe Thread to Tube

524

5/16-18
FB.0315/16-18
FB.045

5/16-18FB1

5/16-18
FB2 1/25/16-18
FB4

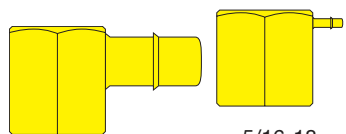
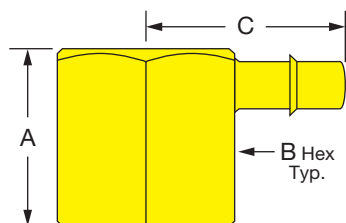
5/16-18FB8

Note: Dimensions may vary
at time of manufacturing.

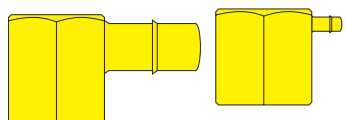
Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	5/16-18FB.031	5/16-18FB.031-SS	5/16-18FB.031-316SS	N/A	5/16-18FB.031-NP	1/2	1/2	1 1/16
.040 / 1mm	5/16-18FB.040	5/16-18FB.040-SS	5/16-18FB.040-316SS	N/A	5/16-18FB.040-NP	1/2	1/2	1 1/16
3/64	5/16-18FB.045	5/16-18FB.045-SS	5/16-18FB.045-316SS	N/A	5/16-18FB.045-NP	1/2	1/2	1 1/16
.050	5/16-18FB.050	5/16-18FB.050-SS	5/16-18FB.050-316SS	N/A	5/16-18FB.050-NP	1/2	1/2	1 1/16
1/16	5/16-18FB1	5/16-18FB1-SS	5/16-18FB1-316SS	5/16-18FB1-AL	5/16-18FB1-NP	1/2	1/2	2 3/32
5/64 / 2mm	5/16-18FB2	5/16-18FB2-SS	5/16-18FB2-316SS	5/16-18FB2-AL	5/16-18FB2-NP	1/2	1/2	2 3/32
3/32	5/16-18FB2 1/2	5/16-18FB2 1/2-SS	5/16-18FB2 1/2-316SS	5/16-18FB2 1/2-AL	5/16-18FB2 1/2-NP	1/2	1/2	2 3/32
1/8	5/16-18FB3	5/16-18FB3-SS	5/16-18FB3-316SS	5/16-18FB3-AL	5/16-18FB3-NP	1/2	1/2	1 3/16
5/32 / 4mm	5/16-18FB3 1/2	5/16-18FB3 1/2-SS	5/16-18FB3 1/2-316SS	5/16-18FB3 1/2-AL	5/16-18FB3 1/2-NP	1/2	1/2	1 3/16
.170	5/16-18FB4	5/16-18FB4-SS	5/16-18FB4-316SS	5/16-18FB4-AL	5/16-18FB4-NP	1/2	1/2	2 7/32
3/16	5/16-18FB5	5/16-18FB5-SS	5/16-18FB5-316SS	5/16-18FB5-AL	5/16-18FB5-NP	1/2	1/2	7/8
7/32	5/16-18FB5 1/2	5/16-18FB5 1/2-SS	5/16-18FB5 1/2-316SS	5/16-18FB5 1/2-AL	5/16-18FB5 1/2-NP	1/2	1/2	7/8
6mm	5/16-18FB5 3/4	5/16-18FB5 3/4-SS	5/16-18FB5 3/4-316SS	5/16-18FB5 3/4-AL	5/16-18FB5 3/4-NP	1/2	1/2	1
1/4	5/16-18FB6	5/16-18FB6-SS	5/16-18FB6-316SS	5/16-18FB6-AL	5/16-18FB6-NP	1/2	1/2	1
5/16 / 8mm	5/16-18FB7	5/16-18FB7-SS	5/16-18FB7-316SS	5/16-18FB7-AL	5/16-18FB7-NP	1/2	1/2	1 1/8
3/8	5/16-18FB8	5/16-18FB8-SS	5/16-18FB8-316SS	5/16-18FB8-AL	5/16-18FB8-NP	1/2	1/2	1 1/32

5/16-18 Female Thread to Tube Elbows

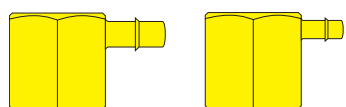
525



5/16-18FLB6

5/16-18
FLB.040

5/16-18FLB5 3/4

5/16-18
FLB.050

5/16-18FLB3

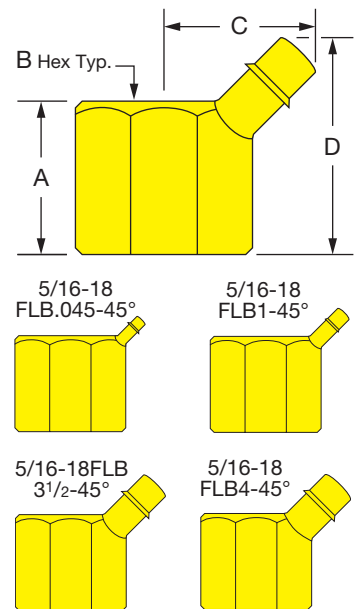
5/16-18FLB2

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	1/2	1/2	1 3/32
.040 / 1mm	5/16-18FLB.040	5/16-18FLB.040-SS	5/16-18FLB.040-316SS	5/16-18FLB.040-NP	1/2	1/2	1 3/32
3/64	5/16-18FLB.045	5/16-18FLB.045-SS	5/16-18FLB.045-316SS	5/16-18FLB.045-NP	1/2	1/2	1 3/32
.050	5/16-18FLB.050	5/16-18FLB.050-SS	5/16-18FLB.050-316SS	5/16-18FLB.050-NP	1/2	1/2	1 3/32
1/16	5/16-18FLB1	5/16-18FLB1-SS	5/16-18FLB1-316SS	5/16-18FLB1-NP	1/2	1/2	1 5/32
5/64 / 2mm	5/16-18FLB2	5/16-18FLB2-SS	5/16-18FLB2-316SS	5/16-18FLB2-NP	1/2	1/2	1 5/32
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	1/2	1/2	1 5/32
1/8	5/16-18FLB3	5/16-18FLB3-SS	5/16-18FLB3-316SS	5/16-18FLB3-NP	1/2	1/2	9/16
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	1/2	1/2	9/16
.170	5/16-18FLB4	5/16-18FLB4-SS	5/16-18FLB4-316SS	5/16-18FLB4-NP	1/2	1/2	1 9/32
3/16	5/16-18FLB5	5/16-18FLB5-SS	5/16-18FLB5-316SS	5/16-18FLB5-NP	1/2	1/2	5/8
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	1/2	5/8
6mm	5/16-18FLB5 3/4	5/16-18FLB5 3/4-SS	5/16-18FLB5 3/4-316SS	5/16-18FLB5 3/4-NP	9/16	1/2	3/4
1/4	5/16-18FLB6	5/16-18FLB6-SS	5/16-18FLB6-316SS	5/16-18FLB6-NP	9/16	1/2	3/4

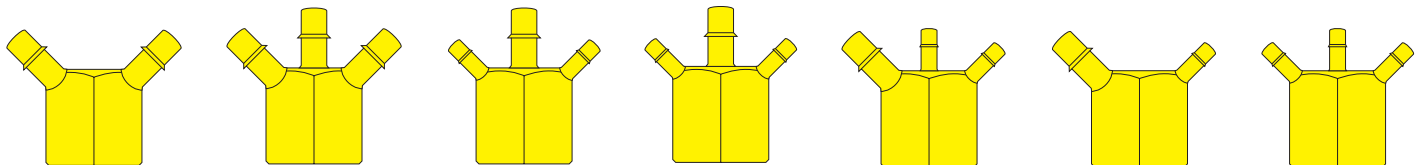
526

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

Tube ID	Part Numbers				Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/32	5/16-18FLB.031-45°	5/16-18FLB.031-45°-SS	5/16-18FLB.031-45°-316SS	5/16-18FLB.031-45°-NP	1/2	1/2	Consult Factory	Consult Factory
.040 / 1mm	5/16-18FLB.040-45°	5/16-18FLB.040-45°-SS	5/16-18FLB.040-45°-316SS	5/16-18FLB.040-45°-NP	1/2	1/2	Consult Factory	Consult Factory
3/64	5/16-18FLB.045-45°	5/16-18FLB.045-45°-SS	5/16-18FLB.045-45°-316SS	5/16-18FLB.045-45°-NP	1/2	1/2	Consult Factory	Consult Factory
.050	5/16-18FLB.050-45°	5/16-18FLB.050-45°-SS	5/16-18FLB.050-45°-316SS	5/16-18FLB.050-45°-NP	1/2	1/2	Consult Factory	Consult Factory
1/16	5/16-18FLB1-45°	5/16-18FLB1-45°-SS	5/16-18FLB1-45°-316SS	5/16-18FLB1-45°-NP	1/2	1/2	Consult Factory	Consult Factory
5/64 / 2mm	5/16-18FLB2-45°	5/16-18FLB2-45°-SS	5/16-18FLB2-45°-316SS	5/16-18FLB2-45°-NP	1/2	1/2	Consult Factory	Consult Factory
3/32	5/16-18FLB2 1/2-45°	5/16-18FLB2 1/2-45°-SS	5/16-18FLB2 1/2-45°-316SS	5/16-18FLB2 1/2-45°-NP	1/2	1/2	Consult Factory	Consult Factory
1/8	5/16-18FLB3-45°	5/16-18FLB3-45°-SS	5/16-18FLB3-45°-316SS	5/16-18FLB3-45°-NP	1/2	1/2	Consult Factory	Consult Factory
5/32 / 4mm	5/16-18FLB3 1/2-45°	5/16-18FLB3 1/2-45°-SS	5/16-18FLB3 1/2-45°-316SS	5/16-18FLB3 1/2-45°-NP	1/2	1/2	Consult Factory	Consult Factory
.170	5/16-18FLB4-45°	5/16-18FLB4-45°-SS	5/16-18FLB4-45°-316SS	5/16-18FLB4-45°-NP	1/2	1/2	Consult Factory	Consult Factory



Custom 5/16-18 Female Pipe Thread to Tube Fittings Available! Consult Factory for Details!

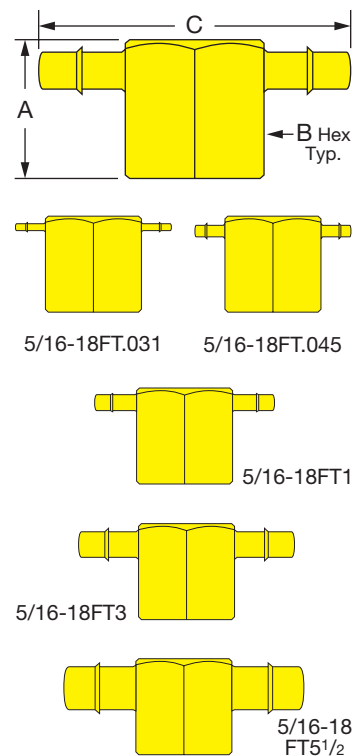


T

527

5/16-18 Female Thread to Tube Tees

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	5/16-18FT.031	5/16-18FT.031-SS	5/16-18FT.031-316SS	5/16-18FT.031-NP	1/2	1/2	1 3/16
.040 / 1mm	5/16-18FT.040	5/16-18FT.040-SS	5/16-18FT.040-316SS	5/16-18FT.040-NP	1/2	1/2	1 3/16
3/64	5/16-18FT.045	5/16-18FT.045-SS	5/16-18FT.045-316SS	5/16-18FT.045-NP	1/2	1/2	1 3/16
.050	5/16-18FT.050	5/16-18FT.050-SS	5/16-18FT.050-316SS	5/16-18FT.050-NP	1/2	1/2	1 3/16
1/16	5/16-18FT1	5/16-18FT1-SS	5/16-18FT1-316SS	5/16-18FT1-NP	1/2	1/2	1 5/16
5/64 / 2mm	5/16-18FT2	5/16-18FT2-SS	5/16-18FT2-316SS	5/16-18FT2-NP	1/2	1/2	1 5/16
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	1/2	1/2	1 5/16
1/8	5/16-18FT3	5/16-18FT3-SS	5/16-18FT3-316SS	5/16-18FT3-NP	1/2	1/2	1 7/8
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	1/2	1/2	1 7/8
.170	5/16-18FT4	5/16-18FT4-SS	5/16-18FT4-316SS	5/16-18FT4-NP	1/2	1/2	1 9/32
3/16	5/16-18FT5	5/16-18FT5-SS	5/16-18FT5-316SS	5/16-18FT5-NP	1/2	1/2	1 1/4
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	1/2	1 1/4
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

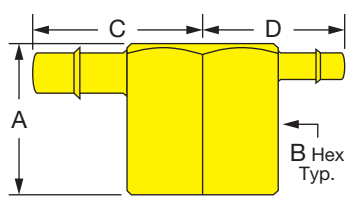
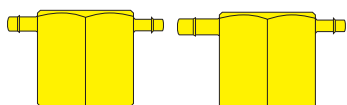
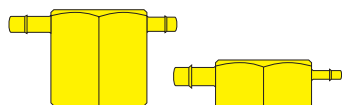


Note: Dimensions may vary at time of manufacturing.

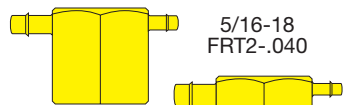
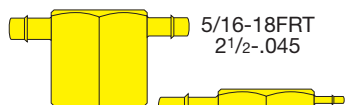


5/16-18 Female Thread to Tube Reducing Tees

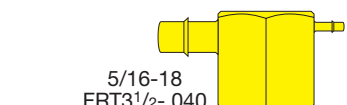
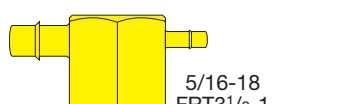
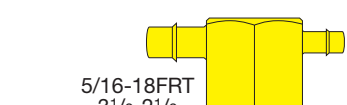
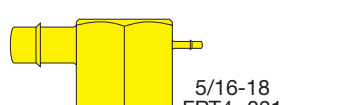
528

5/16-18FRT
.040-.0315/16-18
FRT1-.0315/16-18FRT
.050-.0455/16-18
FRT1-.045

5/16-18FRT1-.050

5/16-18
FRT2-.0505/16-18
FRT2-.0405/16-18
FRT2 1/2-25/16-18FRT
2 1/2-.045

5/16-18FRT3-.031

5/16-18
FRT3-25/16-18
FRT3 1/2-.0405/16-18
FRT3 1/2-15/16-18FRT
3 1/2-2 1/25/16-18
FRT4-.031

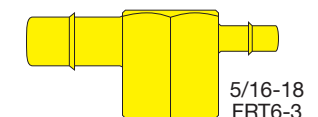
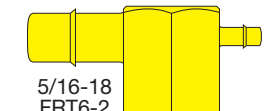
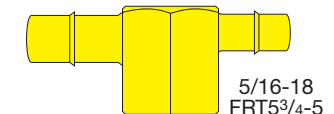
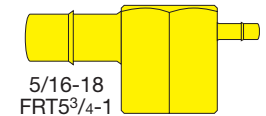
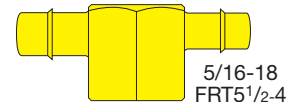
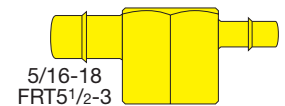
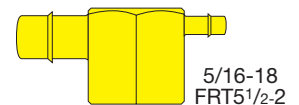
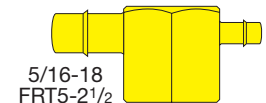
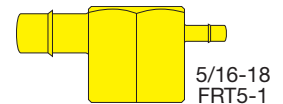
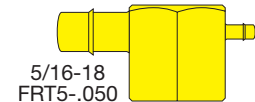
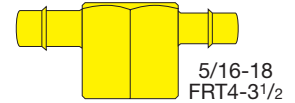
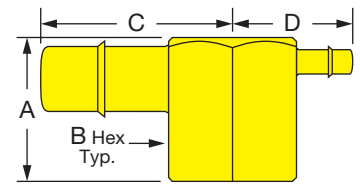
Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
.040 / 1mm	1/32	5/16-18FRT.040-.031	5/16-18FRT.040-.031-SS	5/16-18FRT.040-.031-316SS	5/16-18FRT.040-.031-NP	1/2	1/2	13/32	13/32
3/64	1/32	5/16-18FRT.045-.031	5/16-18FRT.045-.031-SS	5/16-18FRT.045-.031-316SS	5/16-18FRT.045-.031-NP	1/2	1/2	13/32	13/32
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	1/2	1/2	13/32	13/32
.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	1/2	1/2	13/32	13/32
.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	1/2	1/2	13/32	13/32
.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	1/2	1/2	13/32	13/32
1/16	1/32	5/16-18FRT1-.031	5/16-18FRT1-.031-SS	5/16-18FRT1-.031-316SS	5/16-18FRT1-.031-NP	1/2	1/2	15/32	13/32
1/16	.040 / 1mm	5/16-18FRT1-.040	5/16-18FRT1-.040-SS	5/16-18FRT1-.040-316SS	5/16-18FRT1-.040-NP	1/2	1/2	15/32	13/32
1/16	3/64	5/16-18FRT1-.045	5/16-18FRT1-.045-SS	5/16-18FRT1-.045-316SS	5/16-18FRT1-.045-NP	1/2	1/2	15/32	13/32
1/16	.050	5/16-18FRT1-.050	5/16-18FRT1-.050-SS	5/16-18FRT1-.050-316SS	5/16-18FRT1-.050-NP	1/2	1/2	15/32	13/32
5/64 / 2mm	1/32	5/16-18FRT2-.031	5/16-18FRT2-.031-SS	5/16-18FRT2-.031-316SS	5/16-18FRT2-.031-NP	1/2	1/2	15/32	13/32
5/64 / 2mm	.040 / 1mm	5/16-18FRT2-.040	5/16-18FRT2-.040-SS	5/16-18FRT2-.040-316SS	5/16-18FRT2-.040-NP	1/2	1/2	15/32	13/32
5/64 / 2mm	3/64	5/16-18FRT2-.045	5/16-18FRT2-.045-SS	5/16-18FRT2-.045-316SS	5/16-18FRT2-.045-NP	1/2	1/2	15/32	13/32
5/64 / 2mm	.050	5/16-18FRT2-.050	5/16-18FRT2-.050-SS	5/16-18FRT2-.050-316SS	5/16-18FRT2-.050-NP	1/2	1/2	15/32	13/32
5/64 / 2mm	1/16	5/16-18FRT2-1	5/16-18FRT2-1-SS	5/16-18FRT2-1-316SS	5/16-18FRT2-1-NP	1/2	1/2	15/32	15/32
3/32	1/32	5/16-18FRT2 1/2-.031	5/16-18FRT2 1/2-.031-SS	5/16-18FRT2 1/2-.031-316SS	5/16-18FRT2 1/2-.031-NP	1/2	1/2	15/32	13/32
3/32	.040 / 1mm	5/16-18FRT2 1/2-.040	5/16-18FRT2 1/2-.040-SS	5/16-18FRT2 1/2-.040-316SS	5/16-18FRT2 1/2-.040-NP	1/2	1/2	15/32	13/32
3/32	3/64	5/16-18FRT2 1/2-.045	5/16-18FRT2 1/2-.045-SS	5/16-18FRT2 1/2-.045-316SS	5/16-18FRT2 1/2-.045-NP	1/2	1/2	15/32	13/32
3/32	.050	5/16-18FRT2 1/2-.050	5/16-18FRT2 1/2-.050-SS	5/16-18FRT2 1/2-.050-316SS	5/16-18FRT2 1/2-.050-NP	1/2	1/2	15/32	13/32
3/32	1/16	5/16-18FRT2 1/2-1	5/16-18FRT2 1/2-1-SS	5/16-18FRT2 1/2-1-316SS	5/16-18FRT2 1/2-1-NP	1/2	1/2	15/32	15/32
3/32	5/64 / 2mm	5/16-18FRT2 1/2-2	5/16-18FRT2 1/2-2-SS	5/16-18FRT2 1/2-2-316SS	5/16-18FRT2 1/2-2-NP	1/2	1/2	15/32	15/32
1/8	1/32	5/16-18FRT3-.031	5/16-18FRT3-.031-SS	5/16-18FRT3-.031-316SS	5/16-18FRT3-.031-NP	1/2	1/2	9/16	13/32
1/8	.040 / 1mm	5/16-18FRT3-.040	5/16-18FRT3-.040-SS	5/16-18FRT3-.040-316SS	5/16-18FRT3-.040-NP	1/2	1/2	9/16	13/32
1/8	3/64	5/16-18FRT3-.045	5/16-18FRT3-.045-SS	5/16-18FRT3-.045-316SS	5/16-18FRT3-.045-NP	1/2	1/2	9/16	13/32
1/8	.050	5/16-18FRT3-.050	5/16-18FRT3-.050-SS	5/16-18FRT3-.050-316SS	5/16-18FRT3-.050-NP	1/2	1/2	9/16	13/32
1/8	1/16	5/16-18FRT3-1	5/16-18FRT3-1-SS	5/16-18FRT3-1-316SS	5/16-18FRT3-1-NP	1/2	1/2	9/16	15/32
1/8	5/64 / 2mm	5/16-18FRT3-2	5/16-18FRT3-2-SS	5/16-18FRT3-2-316SS	5/16-18FRT3-2-NP	1/2	1/2	9/16	15/32
1/8	3/32	5/16-18FRT3-2 1/2	5/16-18FRT3-2 1/2-SS	5/16-18FRT3-2 1/2-316SS	5/16-18FRT3-2 1/2-NP	1/2	1/2	9/16	15/32
5/32 / 4mm	1/32	5/16-18FRT3 1/2-.031	5/16-18FRT3 1/2-.031-SS	5/16-18FRT3 1/2-.031-316SS	5/16-18FRT3 1/2-.031-NP	1/2	1/2	9/16	13/32
5/32 / 4mm	.040 / 1mm	5/16-18FRT3 1/2-.040	5/16-18FRT3 1/2-.040-SS	5/16-18FRT3 1/2-.040-316SS	5/16-18FRT3 1/2-.040-NP	1/2	1/2	9/16	13/32
5/32 / 4mm	3/64	5/16-18FRT3 1/2-.045	5/16-18FRT3 1/2-.045-SS	5/16-18FRT3 1/2-.045-316SS	5/16-18FRT3 1/2-.045-NP	1/2	1/2	9/16	13/32
5/32 / 4mm	.050	5/16-18FRT3 1/2-.050	5/16-18FRT3 1/2-.050-SS	5/16-18FRT3 1/2-.050-316SS	5/16-18FRT3 1/2-.050-NP	1/2	1/2	9/16	13/32
5/32 / 4mm	1/16	5/16-18FRT3 1/2-1	5/16-18FRT3 1/2-1-SS	5/16-18FRT3 1/2-1-316SS	5/16-18FRT3 1/2-1-NP	1/2	1/2	9/16	15/32
5/32 / 4mm	5/64 / 2mm	5/16-18FRT3 1/2-2	5/16-18FRT3 1/2-2-SS	5/16-18FRT3 1/2-2-316SS	5/16-18FRT3 1/2-2-NP	1/2	1/2	9/16	15/32
5/32 / 4mm	3/32	5/16-18FRT3 1/2-2 1/2	5/16-18FRT3 1/2-2 1/2-SS	5/16-18FRT3 1/2-2 1/2-316SS	5/16-18FRT3 1/2-2 1/2-NP	1/2	1/2	9/16	15/32
5/32 / 4mm	1/8	5/16-18FRT3 1/2-3	5/16-18FRT3 1/2-3-SS	5/16-18FRT3 1/2-3-316SS	5/16-18FRT3 1/2-3-NP	1/2	1/2	9/16	9/16
.170	1/32	5/16-18FRT4-.031	5/16-18FRT4-.031-SS	5/16-18FRT4-.031-316SS	5/16-18FRT4-.031-NP	1/2	1/2	9/32	13/32
.170	.040 / 1mm	5/16-18FRT4-.040	5/16-18FRT4-.040-SS	5/16-18FRT4-.040-316SS	5/16-18FRT4-.040-NP	1/2	1/2	9/32	13/32
.170	3/64	5/16-18FRT4-.045	5/16-18FRT4-.045-SS	5/16-18FRT4-.045-316SS	5/16-18FRT4-.045-NP	1/2	1/2	9/32	13/32
.170	.050	5/16-18FRT4-.050	5/16-18FRT4-.050-SS	5/16-18FRT4-.050-316SS	5/16-18FRT4-.050-NP	1/2	1/2	9/32	13/32

Note: Dimensions may vary at time of manufacturing.

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5/16-18 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.
.170	1/16	5/16-18FRT4-1	5/16-18FRT4-1-SS	5/16-18FRT4-1-316SS	5/16-18FRT4-1-NP	1/2	1/2	9/32	15/32
.170	5/64 / 2mm	5/16-18FRT4-2	5/16-18FRT4-2-SS	5/16-18FRT4-2-316SS	5/16-18FRT4-2-NP	1/2	1/2	9/32	15/32
.170	3/32	5/16-18FRT4-2 1/2	5/16-18FRT4-2 1/2-SS	5/16-18FRT4-2 1/2-316SS	5/16-18FRT4-2 1/2-NP	1/2	1/2	9/32	15/32
.170	1/8	5/16-18FRT4-3	5/16-18FRT4-3-SS	5/16-18FRT4-3-316SS	5/16-18FRT4-3-NP	1/2	1/2	9/32	9/16
.170	5/32 / 4mm	5/16-18FRT4-3 1/2	5/16-18FRT4-3 1/2-SS	5/16-18FRT4-3 1/2-316SS	5/16-18FRT4-3 1/2-NP	1/2	1/2	9/32	9/16
3/16	1/32	5/16-18FRT5-.031	5/16-18FRT5-.031-SS	5/16-18FRT5-.031-316SS	5/16-18FRT5-.031-NP	1/2	1/2	5/8	13/32
3/16	.040 / 1mm	5/16-18FRT5-.040	5/16-18FRT5-.040-SS	5/16-18FRT5-.040-316SS	5/16-18FRT5-.040-NP	1/2	1/2	5/8	13/32
3/16	3/64	5/16-18FRT5-.045	5/16-18FRT5-.045-SS	5/16-18FRT5-.045-316SS	5/16-18FRT5-.045-NP	1/2	1/2	5/8	13/32
3/16	.050	5/16-18FRT5-.050	5/16-18FRT5-.050-SS	5/16-18FRT5-.050-316SS	5/16-18FRT5-.050-NP	1/2	1/2	5/8	13/32
3/16	1/16	5/16-18FRT5-1	5/16-18FRT5-1-SS	5/16-18FRT5-1-316SS	5/16-18FRT5-1-NP	1/2	1/2	5/8	15/32
3/16	5/64 / 2mm	5/16-18FRT5-2	5/16-18FRT5-2-SS	5/16-18FRT5-2-316SS	5/16-18FRT5-2-NP	1/2	1/2	5/8	15/32
3/16	3/32	5/16-18FRT5-2 1/2	5/16-18FRT5-2 1/2-SS	5/16-18FRT5-2 1/2-316SS	5/16-18FRT5-2 1/2-NP	1/2	1/2	5/8	15/32
3/16	1/8	5/16-18FRT5-3	5/16-18FRT5-3-SS	5/16-18FRT5-3-316SS	5/16-18FRT5-3-NP	1/2	1/2	5/8	9/16
3/16	5/32 / 4mm	5/16-18FRT5-3 1/2	5/16-18FRT5-3 1/2-SS	5/16-18FRT5-3 1/2-316SS	5/16-18FRT5-3 1/2-NP	1/2	1/2	5/8	9/16
3/16	.170	5/16-18FRT5-4	5/16-18FRT5-4-SS	5/16-18FRT5-4-316SS	5/16-18FRT5-4-NP	1/2	1/2	5/8	9/16
7/32	1/16	5/16-18FRT5 1/2-1	5/16-18FRT5 1/2-1-SS	5/16-18FRT5 1/2-1-316SS	5/16-18FRT5 1/2-1-NP	1/2	1/2	5/8	15/32
7/32	5/64 / 2mm	5/16-18FRT5 1/2-2	5/16-18FRT5 1/2-2-SS	5/16-18FRT5 1/2-2-316SS	5/16-18FRT5 1/2-2-NP	1/2	1/2	5/8	15/32
7/32	3/32	5/16-18FRT5 1/2-2 1/2	5/16-18FRT5 1/2-2 1/2-SS	5/16-18FRT5 1/2-2 1/2-316SS	5/16-18FRT5 1/2-2 1/2-NP	1/2	1/2	5/8	15/32
7/32	1/8	5/16-18FRT5 1/2-3	5/16-18FRT5 1/2-3-SS	5/16-18FRT5 1/2-3-316SS	5/16-18FRT5 1/2-3-NP	1/2	1/2	5/8	9/16
7/32	5/32 / 4mm	5/16-18FRT5 1/2-3 1/2	5/16-18FRT5 1/2-3 1/2-SS	5/16-18FRT5 1/2-3 1/2-316SS	5/16-18FRT5 1/2-3 1/2-NP	1/2	1/2	5/8	9/16
7/32	.170	5/16-18FRT5 1/2-4	5/16-18FRT5 1/2-4-SS	5/16-18FRT5 1/2-4-316SS	5/16-18FRT5 1/2-4-NP	1/2	1/2	5/8	9/32
7/32	3/16	5/16-18FRT5 1/2-5	5/16-18FRT5 1/2-5-SS	5/16-18FRT5 1/2-5-316SS	5/16-18FRT5 1/2-5-NP	1/2	1/2	5/8	5/8
6mm	1/16	5/16-18FRT5 3/4-1	5/16-18FRT5 3/4-1-SS	5/16-18FRT5 3/4-1-316SS	5/16-18FRT5 3/4-1-NP	9/16	1/2	3/4	15/32
6mm	5/64 / 2mm	5/16-18FRT5 3/4-2	5/16-18FRT5 3/4-2-SS	5/16-18FRT5 3/4-2-316SS	5/16-18FRT5 3/4-2-NP	9/16	1/2	3/4	15/32
6mm	3/32	5/16-18FRT5 3/4-2 1/2	5/16-18FRT5 3/4-2 1/2-SS	5/16-18FRT5 3/4-2 1/2-316SS	5/16-18FRT5 3/4-2 1/2-NP	9/16	1/2	3/4	15/32
6mm	1/8	5/16-18FRT5 3/4-3	5/16-18FRT5 3/4-3-SS	5/16-18FRT5 3/4-3-316SS	5/16-18FRT5 3/4-3-NP	9/16	1/2	3/4	9/16
6mm	5/32 / 4mm	5/16-18FRT5 3/4-3 1/2	5/16-18FRT5 3/4-3 1/2-SS	5/16-18FRT5 3/4-3 1/2-316SS	5/16-18FRT5 3/4-3 1/2-NP	9/16	1/2	3/4	9/16
6mm	.170	5/16-18FRT5 3/4-4	5/16-18FRT5 3/4-4-SS	5/16-18FRT5 3/4-4-316SS	5/16-18FRT5 3/4-4-NP	9/16	1/2	3/4	9/32
6mm	3/16	5/16-18FRT5 3/4-5	5/16-18FRT5 3/4-5-SS	5/16-18FRT5 3/4-5-316SS	5/16-18FRT5 3/4-5-NP	9/16	1/2	3/4	5/8
6mm	7/32	5/16-18FRT5 3/4-5 1/2	5/16-18FRT5 3/4-5 1/2-SS	5/16-18FRT5 3/4-5 1/2-316SS	5/16-18FRT5 3/4-5 1/2-NP	9/16	1/2	3/4	5/8
1/4	1/16	5/16-18FRT6-1	5/16-18FRT6-1-SS	5/16-18FRT6-1-316SS	5/16-18FRT6-1-NP	9/16	1/2	3/4	15/32
1/4	5/64 / 2mm	5/16-18FRT6-2	5/16-18FRT6-2-SS	5/16-18FRT6-2-316SS	5/16-18FRT6-2-NP	9/16	1/2	3/4	15/32
1/4	3/32	5/16-18FRT6-2 1/2	5/16-18FRT6-2 1/2-SS	5/16-18FRT6-2 1/2-316SS	5/16-18FRT6-2 1/2-NP	9/16	1/2	3/4	15/32
1/4	1/8	5/16-18FRT6-3	5/16-18FRT6-3-SS	5/16-18FRT6-3-316SS	5/16-18FRT6-3-NP	9/16	1/2	3/4	9/16
1/4	5/32 / 4mm	5/16-18FRT6-3 1/2	5/16-18FRT6-3 1/2-SS	5/16-18FRT6-3 1/2-316SS	5/16-18FRT6-3 1/2-NP	9/16	1/2	3/4	9/16
1/4	.170	5/16-18FRT6-4	5/16-18FRT6-4-SS	5/16-18FRT6-4-316SS	5/16-18FRT6-4-NP	9/16	1/2	3/4	9/32
1/4	3/16	5/16-18FRT6-5	5/16-18FRT6-5-SS	5/16-18FRT6-5-316SS	5/16-18FRT6-5-NP	9/16	1/2	3/4	5/8
1/4	7/32	5/16-18FRT6-5 1/2	5/16-18FRT6-5 1/2-SS	5/16-18FRT6-5 1/2-316SS	5/16-18FRT6-5 1/2-NP	9/16	1/2	3/4	5/8
1/4	6mm	5/16-18FRT6-5 3/4	5/16-18FRT6-5 3/4-SS	5/16-18FRT6-5 3/4-316SS	5/16-18FRT6-5 3/4-NP	9/16	1/2	3/4	3/4

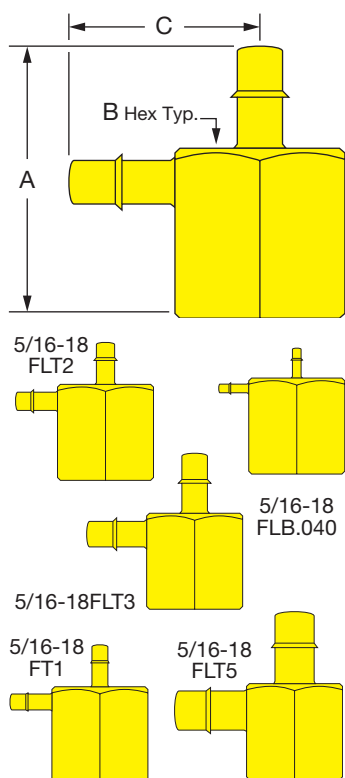


Note: Images are for visual representation only; not intended for dimensional measurements. Dimensions may vary at time of manufacturing.



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

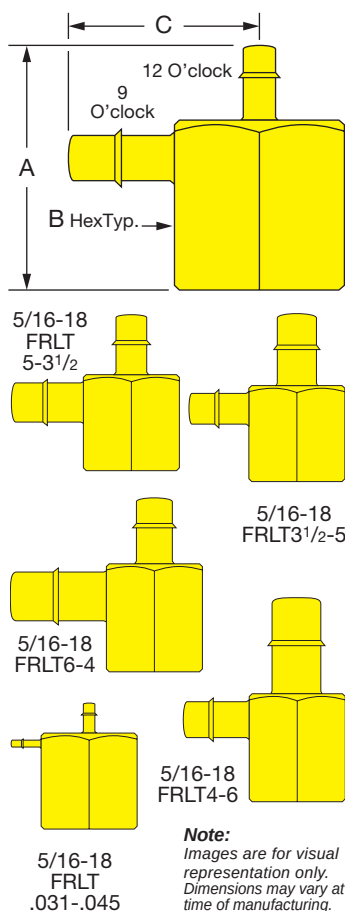
530



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	1 1/16	1/2	13/32
.040 / 1mm	5/16-18FLT.040	5/16-18FLT.040-SS	5/16-18FLT.040-316SS	5/16-18FLT.040-NP	1 1/16	1/2	13/32
3/64	5/16-18FLT.045	5/16-18FLT.045-SS	5/16-18FLT.045-316SS	5/16-18FLT.045-NP	1 1/16	1/2	13/32
.050	5/16-18FLT.050	5/16-18FLT.050-SS	5/16-18FLT.050-316SS	5/16-18FLT.050-NP	1 1/16	1/2	13/32
1/16	5/16-18FLT1	5/16-18FLT1-SS	5/16-18FLT1-316SS	5/16-18FLT1-NP	23/32	1/2	15/32
5/64 / 2mm	5/16-18FLT2	5/16-18FLT2-SS	5/16-18FLT2-316SS	5/16-18FLT2-NP	23/32	1/2	15/32
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	23/32	1/2	15/32
1/8	5/16-18FLT3	5/16-18FLT3-SS	5/16-18FLT3-316SS	5/16-18FLT3-NP	13/16	1/2	9/16
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	13/16	1/2	9/16
.170	5/16-18FLT4	5/16-18FLT4-SS	5/16-18FLT4-316SS	5/16-18FLT4-NP	27/32	1/2	9/32
3/16	5/16-18FLT5	5/16-18FLT5-SS	5/16-18FLT5-316SS	5/16-18FLT5-NP	7/8	1/2	5/8
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	1/2	5/8
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

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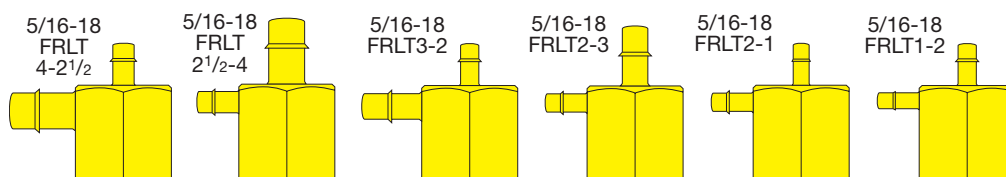


Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/32	.031	1 1/16	1/2	13/32
.040 / 1mm	.040	1 1/16	1/2	13/32
3/64	.045	1 1/16	1/2	13/32
.050	.050	1 1/16	1/2	13/32
1/16	1	23/32	1/2	15/32
5/64 / 2mm	2	23/32	1/2	15/32
3/32	2 1/2	23/32	1/2	15/32

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/8	3	13/16	1/2	9/16
5/32 / 4mm	3 1/2	13/16	1/2	9/16
.170	4	27/32	1/2	9/32
3/16	5	7/8	1/2	5/8
7/32	5 1/2	7/8	1/2	5/8
6mm	5 3/4	1 1/16	1/2	3/4
1/4	6	1 1/16	1/2	3/4

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 #



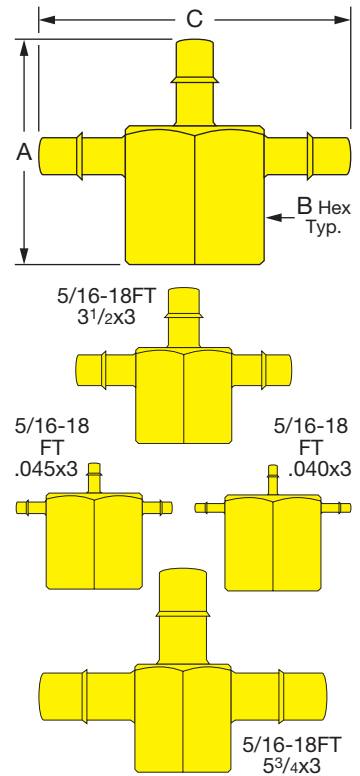
Unless otherwise specified, parts will be Brass. For other materials, add the following codes to the part number:

-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	1 1/16	1/2	1 3/16
.040 / 1mm	5/16-18FT.040x3	5/16-18FT.040x3-SS	5/16-18FT.040x3-316SS	5/16-18FT.040x3-NP	1 1/16	1/2	1 3/16
3/64	5/16-18FT.045x3	5/16-18FT.045x3-SS	5/16-18FT.045x3-316SS	5/16-18FT.045x3-NP	1 1/16	1/2	1 3/16
.050	5/16-18FT.050x3	5/16-18FT.050x3-SS	5/16-18FT.050x3-316SS	5/16-18FT.050x3-NP	1 1/16	1/2	1 3/16
1/16	5/16-18FT1x3	5/16-18FT1x3-SS	5/16-18FT1x3-316SS	5/16-18FT1x3-NP	2 3/32	1/2	1 5/16
5/64 / 2mm	5/16-18FT2x3	5/16-18FT2x3-SS	5/16-18FT2x3-316SS	5/16-18FT2x3-NP	2 3/32	1/2	1 5/16
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	2 3/32	1/2	1 5/16
1/8	5/16-18FT3x3	5/16-18FT3x3-SS	5/16-18FT3x3-316SS	5/16-18FT3x3-NP	1 3/16	1/2	1 1/8
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	1 3/16	1/2	1 1/8
.170	5/16-18FT4x3	5/16-18FT4x3-SS	5/16-18FT4x3-316SS	5/16-18FT4x3-NP	2 7/32	1/2	1 9/32
3/16	5/16-18FT5x3	5/16-18FT5x3-SS	5/16-18FT5x3-316SS	5/16-18FT5x3-NP	7/8	1/2	1 1/4
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	1/2	1 1/4
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

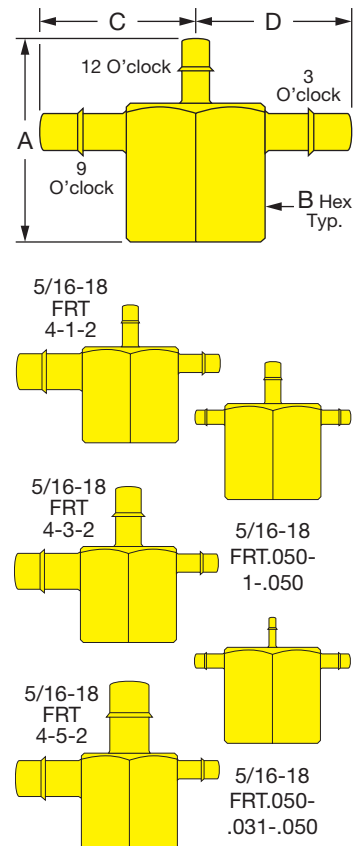


533

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

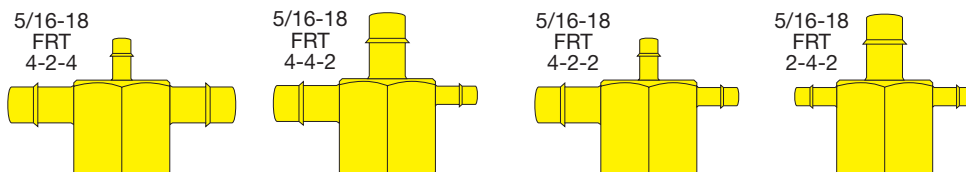
Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	1 1/16	1/2	1 3/32	1 3/32
.040 / 1mm	.040	1 1/16	1/2	1 3/32	1 3/32
3/64	.045	1 1/16	1/2	1 3/32	1 3/32
.050	.050	1 1/16	1/2	1 3/32	1 3/32
1/16	1	2 3/32	1/2	1 5/32	1 5/32
5/64 / 2mm	2	2 3/32	1/2	1 5/32	1 5/32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

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



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

Thread Size	5/16-18	FRLT	#	-	#	-	#	3 O'clock Branch #
		Fitting Series	9 O'clock Branch #		12 O'clock Branch #			



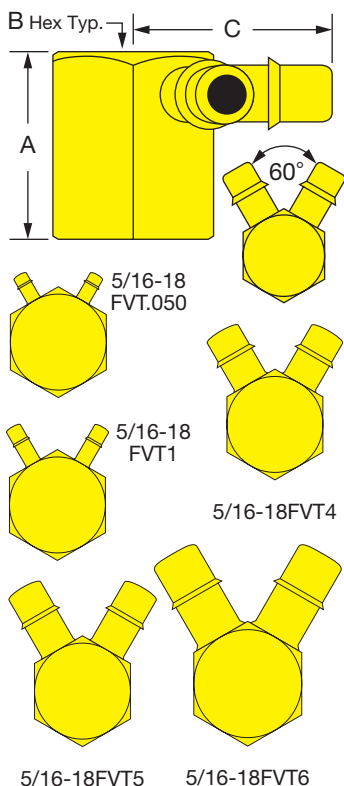
Unless otherwise specified, parts will be Brass. For other materials, add the following codes to the part number:
 -SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

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



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

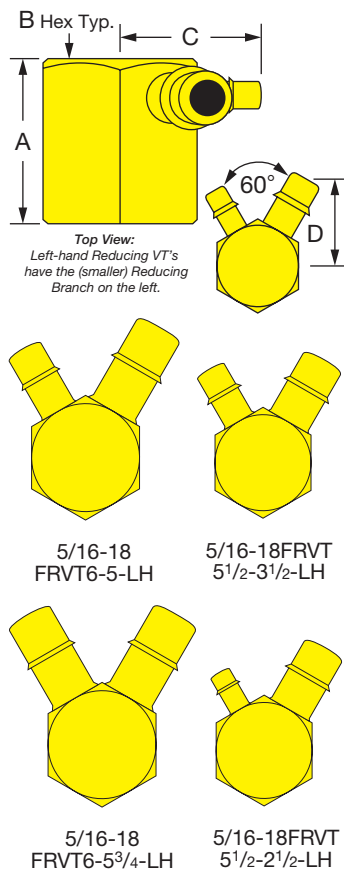
534



Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	5/16-18FVT.031	5/16-18FVT.031-SS	5/16-18FVT.031-316SS	5/16-18FVT.031-NP	1/2	1/2	13/32
.040 / 1mm	5/16-18FVT.040	5/16-18FVT.040-SS	5/16-18FVT.040-316SS	5/16-18FVT.040-NP	1/2	1/2	13/32
3/64	5/16-18FVT.045	5/16-18FVT.045-SS	5/16-18FVT.045-316SS	5/16-18FVT.045-NP	1/2	1/2	13/32
.050	5/16-18FVT.050	5/16-18FVT.050-SS	5/16-18FVT.050-316SS	5/16-18FVT.050-NP	1/2	1/2	13/32
1/16	5/16-18FVT1	5/16-18FVT1-SS	5/16-18FVT1-316SS	5/16-18FVT1-NP	1/2	1/2	15/32
5/64 / 2mm	5/16-18FVT2	5/16-18FVT2-SS	5/16-18FVT2-316SS	5/16-18FVT2-NP	1/2	1/2	15/32
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	1/2	1/2	15/32
1/8	5/16-18FVT3	5/16-18FVT3-SS	5/16-18FVT3-316SS	5/16-18FVT3-NP	1/2	1/2	9/16
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	1/2	1/2	9/16
.170	5/16-18FVT4	5/16-18FVT4-SS	5/16-18FVT4-316SS	5/16-18FVT4-NP	1/2	1/2	9/32
3/16	5/16-18FVT5	5/16-18FVT5-SS	5/16-18FVT5-316SS	5/16-18FVT5-NP	1/2	1/2	5/8
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	1/2	5/8
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	9/16	15/16
1/4	5/16-18FVT6	5/16-18FVT6-SS	5/16-18FVT6-316SS	5/16-18FVT6-NP	9/16	9/16	15/16

5/16-18 Female Thread to Tube Custom Reducing Left-Hand V-Tees

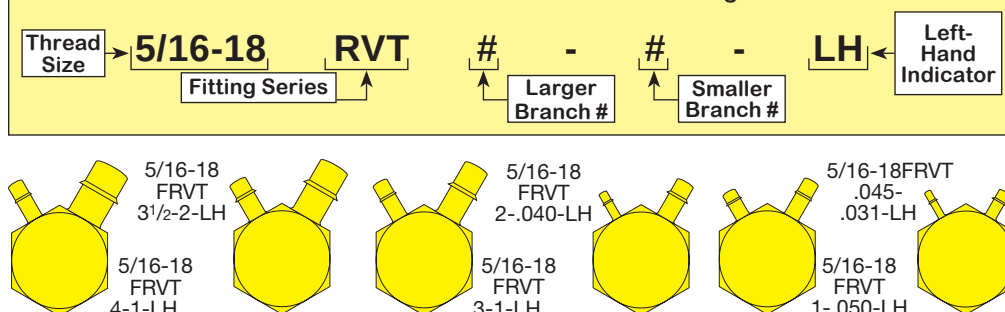
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Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	1/2	1/2	13/32	13/32
.040 / 1mm	.040	1/2	1/2	13/32	13/32
3/64	.045	1/2	1/2	13/32	13/32
.050	.050	1/2	1/2	13/32	13/32
1/16	1	1/2	1/2	15/32	15/32
5/64 / 2mm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

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

Part Numbers for 5/16-18 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**

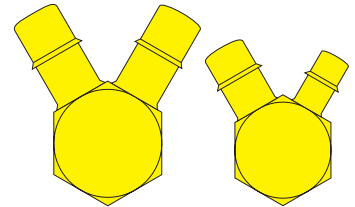
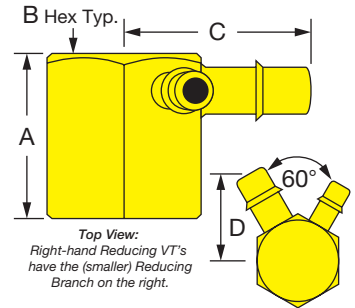
Note: Images are for visual representation only.
 Dimensions may vary at time of manufacturing.

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5/16-18 Female Thread to Tube Custom Reducing Right-Hand V-Tees

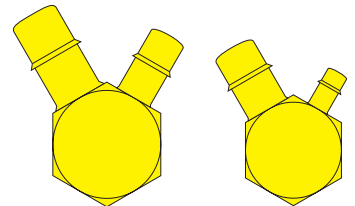
Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	1/2	1/2	13/32	13/32
.040 / 1mm	.040	1/2	1/2	13/32	13/32
3/64	.045	1/2	1/2	13/32	13/32
.050	.050	1/2	1/2	13/32	13/32
1/16	1	1/2	1/2	15/32	15/32
5/64 / 2mm	2	1/2	1/2	15/32	15/32
3/32	2 1/2	1/2	1/2	15/32	15/32

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



5/16-18
FRVT6-5 3/4-RH

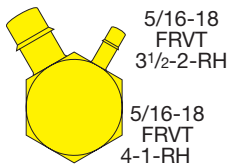
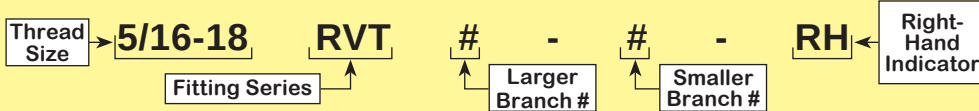
5/16-18FRVT
5 1/2-3 1/2-RH



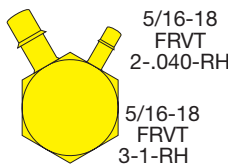
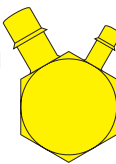
5/16-18
FRVT6-5-RH

5/16-18FRVT
5 1/2-2 1/2-RH

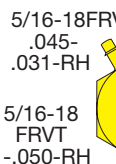
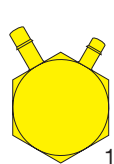
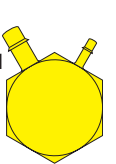
Part Numbers for 5/16-18 Female Thread to Tube Reducing Right-Hand V-Tees:



5/16-18
FRVT
4-1-RH



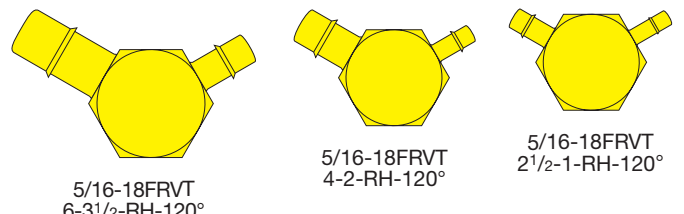
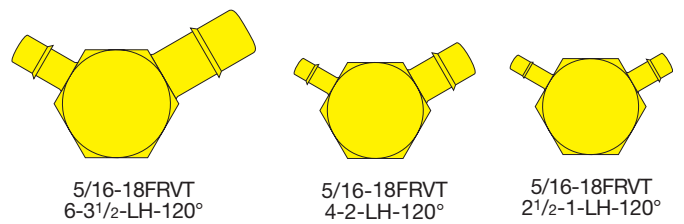
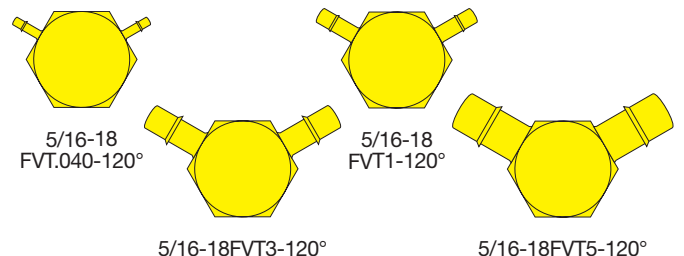
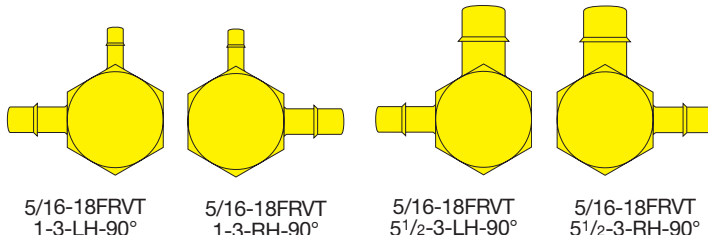
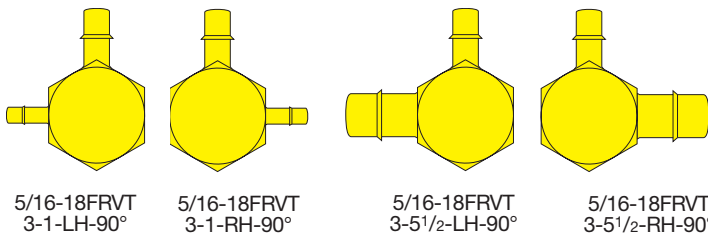
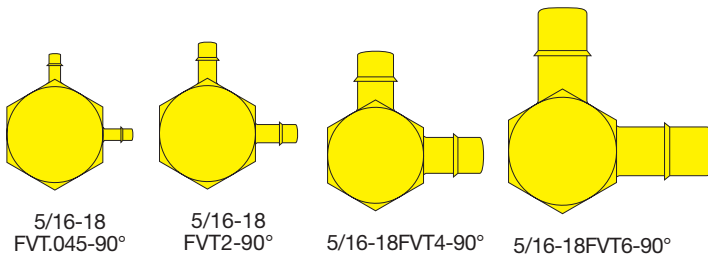
5/16-18
FRVT
1-.050-RH



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

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

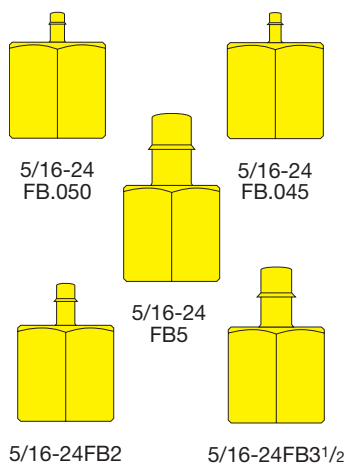
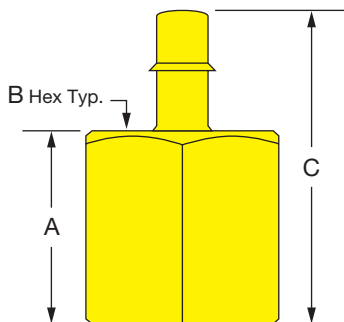
5/16-18 Female Thread to Tube Custom 90° & 120° V-Tees & Reducing V-Tees Available! Consult Factory for Details!





5/16-24 UNF Female Thread to Tube

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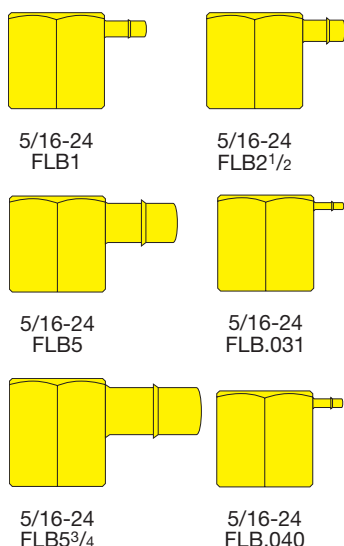
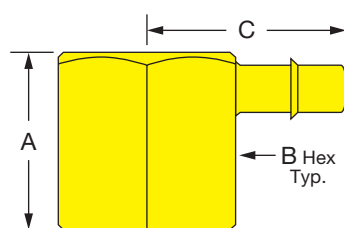


Note:
Dimensions may vary at time of manufacturing.

Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	5/16-24FB.031	5/16-24FB.031-SS	5/16-24FB.031-316SS	N/A	5/16-24FB.031-NP	1/2	1/2	1 1/16
.040 / 1mm	5/16-24FB.040	5/16-24FB.040-SS	5/16-24FB.040-316SS	N/A	5/16-24FB.040-NP	1/2	1/2	1 1/16
3/64	5/16-24FB.045	5/16-24FB.045-SS	5/16-24FB.045-316SS	N/A	5/16-24FB.045-NP	1/2	1/2	1 1/16
.050	5/16-24FB.050	5/16-24FB.050-SS	5/16-24FB.050-316SS	N/A	5/16-24FB.050-NP	1/2	1/2	1 1/16
1/16	5/16-24FB1	5/16-24FB1-SS	5/16-24FB1-316SS	5/16-24FB1-AL	5/16-24FB1-NP	1/2	1/2	23/32
5/64 / 2mm	5/16-24FB2	5/16-24FB2-SS	5/16-24FB2-316SS	5/16-24FB2-AL	5/16-24FB2-NP	1/2	1/2	23/32
3/32	5/16-24FB2 1/2	5/16-24FB2 1/2-SS	5/16-24FB2 1/2-316SS	5/16-24FB2 1/2-AL	5/16-24FB2 1/2-NP	1/2	1/2	23/32
1/8	5/16-24FB3	5/16-24FB3-SS	5/16-24FB3-316SS	5/16-24FB3-AL	5/16-24FB3-NP	1/2	1/2	13/16
5/32 / 4mm	5/16-24FB3 1/2	5/16-24FB3 1/2-SS	5/16-24FB3 1/2-316SS	5/16-24FB3 1/2-AL	5/16-24FB3 1/2-NP	1/2	1/2	13/16
.170	5/16-24FB4	5/16-24FB4-SS	5/16-24FB4-316SS	5/16-24FB4-AL	5/16-24FB4-NP	1/2	1/2	27/32
3/16	5/16-24FB5	5/16-24FB5-SS	5/16-24FB5-316SS	5/16-24FB5-AL	5/16-24FB5-NP	1/2	1/2	7/8
7/32	5/16-24FB5 1/2	5/16-24FB5 1/2-SS	5/16-24FB5 1/2-316SS	5/16-24FB5 1/2-AL	5/16-24FB5 1/2-NP	1/2	1/2	7/8
6mm	5/16-24FB5 3/4	5/16-24FB5 3/4-SS	5/16-24FB5 3/4-316SS	5/16-24FB5 3/4-AL	5/16-24FB5 3/4-NP	1/2	1/2	1
1/4	5/16-24FB6	5/16-24FB6-SS	5/16-24FB6-316SS	5/16-24FB6-AL	5/16-24FB6-NP	1/2	1/2	1
5/16 / 8mm	5/16-24FB7	5/16-24FB7-SS	5/16-24FB7-316SS	5/16-24FB7-AL	5/16-24FB7-NP	1/2	1/2	1 1/8
3/8	5/16-24FB8	5/16-24FB8-SS	5/16-24FB8-316SS	5/16-24FB8-AL	5/16-24FB8-NP	1/2	1/2	1 1/32

5/16-24 UNF Female Thread to Tube Elbows

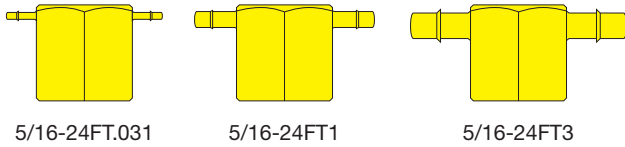
538



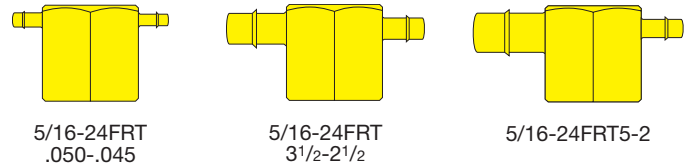
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	5/16-24FLB.031	5/16-24FLB.031-SS	5/16-24FLB.031-316SS	5/16-24FLB.031-NP	1/2	1/2	13/32
.040 / 1mm	5/16-24FLB.040	5/16-24FLB.040-SS	5/16-24FLB.040-316SS	5/16-24FLB.040-NP	1/2	1/2	13/32
3/64	5/16-24FLB.045	5/16-24FLB.045-SS	5/16-24FLB.045-316SS	5/16-24FLB.045-NP	1/2	1/2	13/32
.050	5/16-24FLB.050	5/16-24FLB.050-SS	5/16-24FLB.050-316SS	5/16-24FLB.050-NP	1/2	1/2	13/32
1/16	5/16-24FLB1	5/16-24FLB1-SS	5/16-24FLB1-316SS	5/16-24FLB1-NP	1/2	1/2	15/32
5/64 / 2mm	5/16-24FLB2	5/16-24FLB2-SS	5/16-24FLB2-316SS	5/16-24FLB2-NP	1/2	1/2	15/32
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	1/2	1/2	15/32
1/8	5/16-24FLB3	5/16-24FLB3-SS	5/16-24FLB3-316SS	5/16-24FLB3-NP	1/2	1/2	9/16
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	1/2	1/2	9/16
.170	5/16-24FLB4	5/16-24FLB4-SS	5/16-24FLB4-316SS	5/16-24FLB4-NP	1/2	1/2	19/32
3/16	5/16-24FLB5	5/16-24FLB5-SS	5/16-24FLB5-316SS	5/16-24FLB5-NP	1/2	1/2	5/8
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	1/2	5/8
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 UNF Female Thread to Tube Fittings Available!

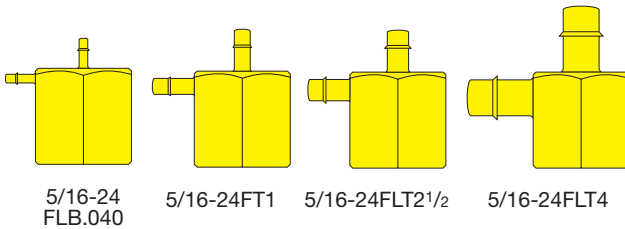
5/16-24 UNF Female Thread Tees



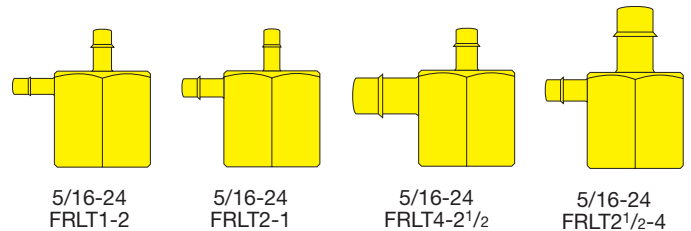
5/16-24 UNF Female Thread Reducing Tees



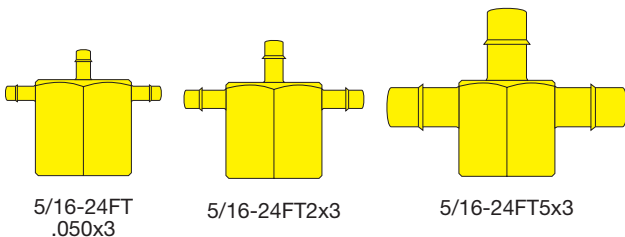
5/16-24 UNF Female Thread L-Tees



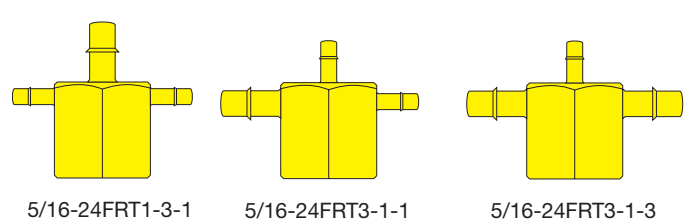
5/16-24 UNF Female Thread Reducing L-Tees



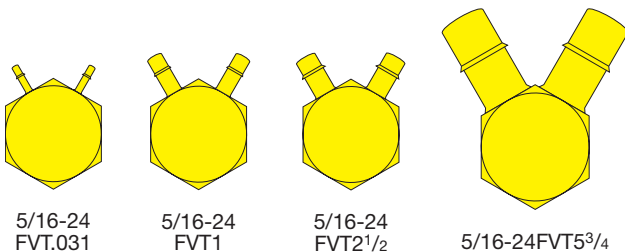
5/16-24 UNF Female Thread Tee x 3



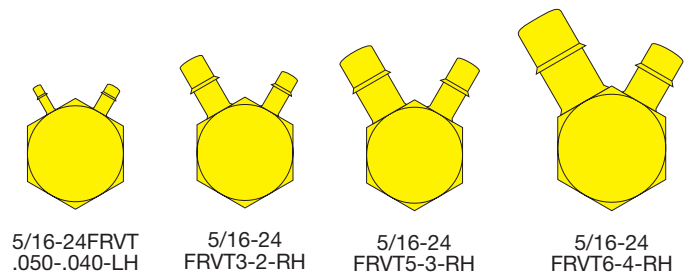
5/16-24 UNF Female Thread Reducing Tee x 3



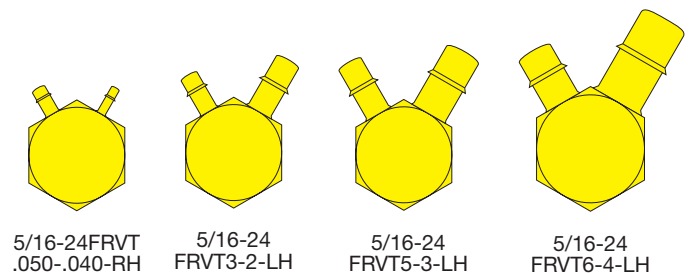
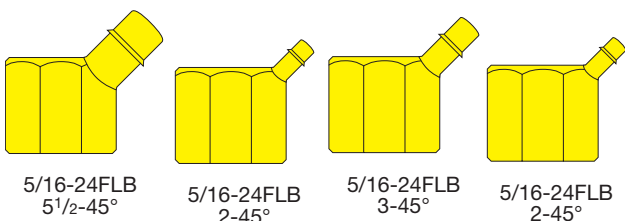
5/16-24 UNF Female Thread V-Tees



5/16-24 UNF Female Thread Reducing V-Tees



5/16-24 UNF Female Thread 45° Elbows



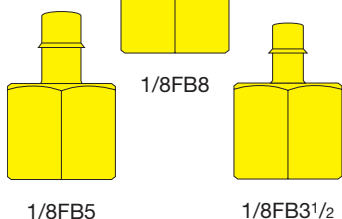
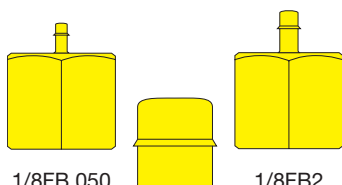
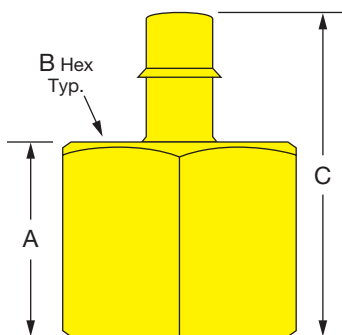
Various Branch Sizes & Fittings Available!

Custom 5/16-24 UNF Female Pipe Thread 90° & 120° VT's & Reducing VT's Available!



1/8 NPT Female Pipe Thread to Tube

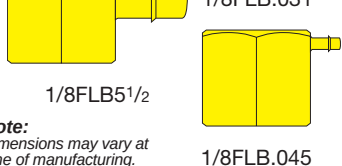
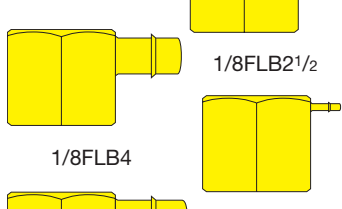
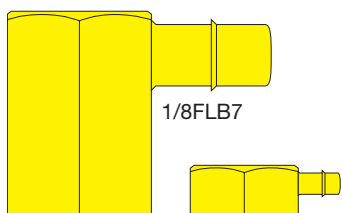
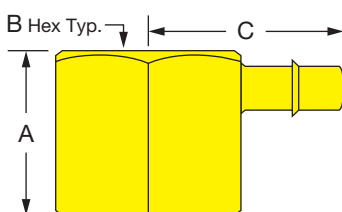
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Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/8FB.031	1/8FB.031-SS	1/8FB.031-316SS	N/A	1/8FB.031-NP	1/2	9/16	2 1/32
.040 / 1mm	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
3/8	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
5/8 / 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 Pipe Thread to Tube Elbows

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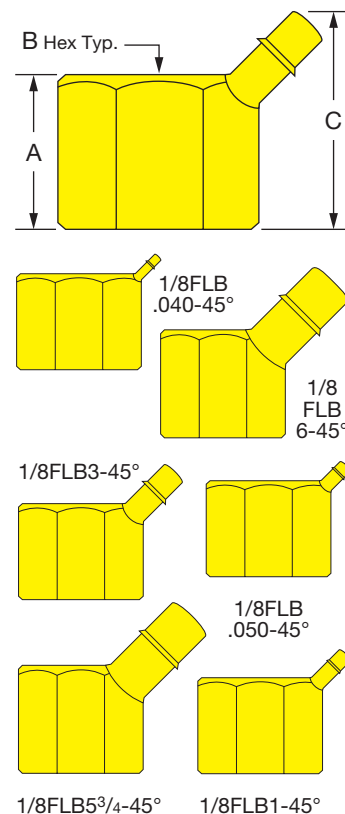
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/8FLB.031	1/8FLB.031-SS	1/8FLB.031-316SS	1/8FLB.031-NP	1/2	9/16	7/16
.040 / 1mm	1/8FLB.040	1/8FLB.040-SS	1/8FLB.040-316SS	1/8FLB.040-NP	1/2	9/16	7/16
3/64	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
3/8	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
5/8 / 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	1	1 1/8

Note:
Dimensions may vary at
time of manufacturing.

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1/8 NPT Female Pipe Thread to Tube 45° Elbows

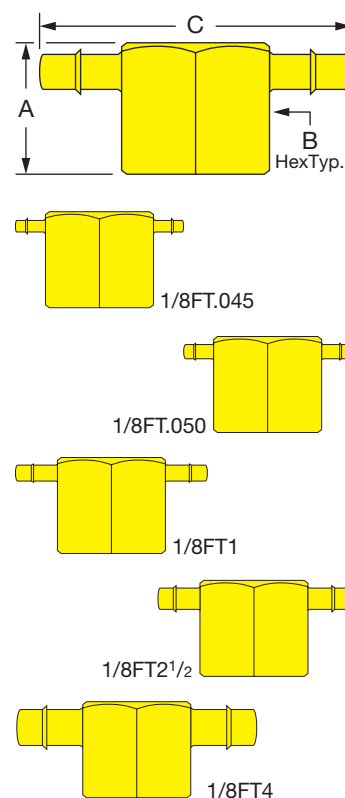
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/8FLB.031-45°	1/8FLB.031-45°-SS	1/8FLB.031-45°-316SS	1/8FLB.031-45°-NP	1/2	9/16	Consult Factory
.040 / 1mm	1/8FLB.040-45°	1/8FLB.040-45°-SS	1/8FLB.040-45°-316SS	1/8FLB.040-45°-NP	1/2	9/16	
3/64	1/8FLB.045-45°	1/8FLB.045-45°-SS	1/8FLB.045-45°-316SS	1/8FLB.045-45°-NP	1/2	9/16	
.050	1/8FLB.050-45°	1/8FLB.050-45°-SS	1/8FLB.050-45°-316SS	1/8FLB.050-45°-NP	1/2	9/16	
1/16	1/8FLB1-45°	1/8FLB1-45°-SS	1/8FLB1-45°-316SS	1/8FLB1-45°-NP	1/2	9/16	
5/64 / 2mm	1/8FLB2-45°	1/8FLB2-45°-SS	1/8FLB2-45°-316SS	1/8FLB2-45°-NP	1/2	9/16	
3/32	1/8FLB2 1/2-45°	1/8FLB2 1/2-45°-SS	1/8FLB2 1/2-45°-316SS	1/8FLB2 1/2-45°-NP	1/2	9/16	
1/8	1/8FLB3-45°	1/8FLB3-45°-SS	1/8FLB3-45°-316SS	1/8FLB3-45°-NP	1/2	9/16	
5/32 / 4mm	1/8FLB3 1/2-45°	1/8FLB3 1/2-45°-SS	1/8FLB3 1/2-45°-316SS	1/8FLB3 1/2-45°-NP	1/2	9/16	
.170	1/8FLB4-45°	1/8FLB4-45°-SS	1/8FLB4-45°-316SS	1/8FLB4-45°-NP	1/2	9/16	
3/8	1/8FLB5-45°	1/8FLB5-45°-SS	1/8FLB5-45°-316SS	1/8FLB5-45°-NP	1/2	9/16	
7/32	1/8FLB5 1/2-45°	1/8FLB5 1/2-45°-SS	1/8FLB5 1/2-45°-316SS	1/8FLB5 1/2-45°-NP	1/2	9/16	
6mm	1/8FLB5 3/4-45°	1/8FLB5 3/4-45°-SS	1/8FLB5 3/4-45°-316SS	1/8FLB5 3/4-45°-NP	9/16	9/16	
1/4	1/8FLB6-45°	1/8FLB6-45°-SS	1/8FLB6-45°-316SS	1/8FLB6-45°-NP	9/16	9/16	
5/8 / 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		



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1/8 NPT Female Pipe Thread to Tube Tees

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/8FT.031	1/8FT.031-SS	1/8FT.031-316SS	1/8FT.031-NP	1/2	9/16	7/8
.040 / 1mm	1/8FT.040	1/8FT.040-SS	1/8FT.040-316SS	1/8FT.040-NP	1/2	9/16	7/8
3/64	1/8FT.045	1/8FT.045-SS	1/8FT.045-316SS	1/8FT.045-NP	1/2	9/16	7/8
.050	1/8FT.050	1/8FT.050-SS	1/8FT.050-316SS	1/8FT.050-NP	1/2	9/16	7/8
1/16	1/8FT1	1/8FT1-SS	1/8FT1-316SS	1/8FT1-NP	1/2	9/16	1
5/64 / 2mm	1/8FT2	1/8FT2-SS	1/8FT2-316SS	1/8FT2-NP	1/2	9/16	1
3/32	1/8FT2 1/2	1/8FT2 1/2-SS	1/8FT2 1/2-316SS	1/8FT2 1/2-NP	1/2	9/16	1
1/8	1/8FT3	1/8FT3-SS	1/8FT3-316SS	1/8FT3-NP	1/2	9/16	1 3/16
5/32 / 4mm	1/8FT3 1/2	1/8FT3 1/2-SS	1/8FT3 1/2-316SS	1/8FT3 1/2-NP	1/2	9/16	1 3/16
.170	1/8FT4	1/8FT4-SS	1/8FT4-316SS	1/8FT4-NP	1/2	9/16	1 1/4
3/8	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
5/8 / 8mm	1/8FT7	1/8FT7-SS	1/8FT7-316SS	1/8FT7-NP	1 5/16	3/4	2
3/8	1/8FT8	1/8FT8-SS	1/8FT8-316SS	1/8FT8-NP	1 5/16	3/4	1 13/16
1/2	1/8FT10	1/8FT10-SS	1/8FT10-316SS	1/8FT10-NP	1 5/16	1	2 1/4

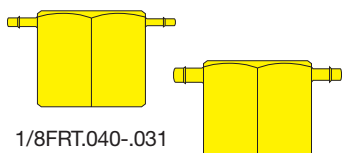
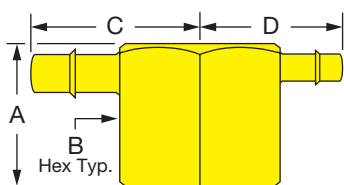


Note: Images are for visual representation only.

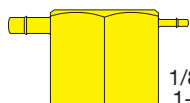
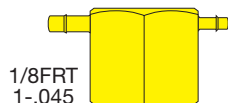
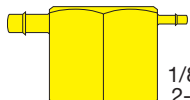
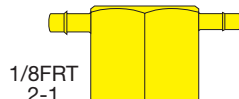
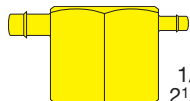
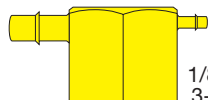
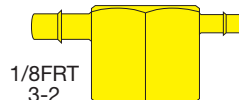
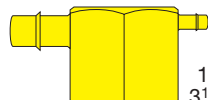
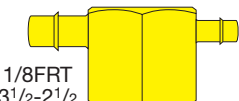


1/8 NPT Female Pipe Thread to Tube Reducing Tees

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1/8FRT.050-.045

1/8FRT
1-.0311/8FRT
1-.0451/8FRT
2-.0401/8FRT
2-11/8FRT
2 1/2-.0501/8FRT
2 1/2-21/8FRT
3-.0451/8FRT
3-21/8FRT
3 1/2-.0501/8FRT
3 1/2-2 1/2

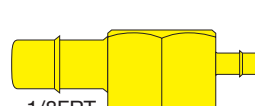
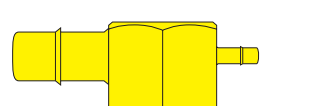
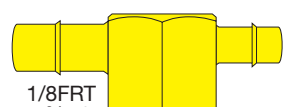
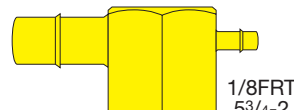
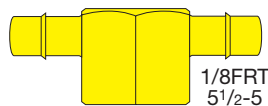
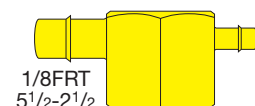
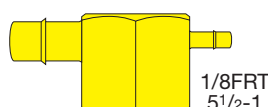
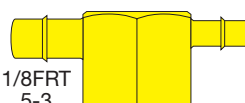
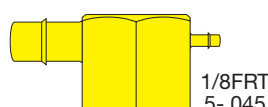
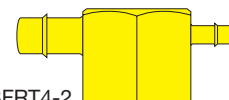
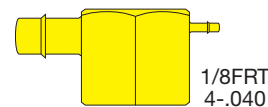
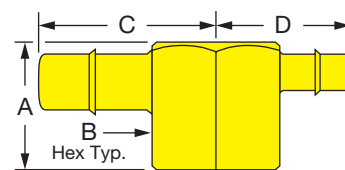
Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
.040 / 1mm	1/32	1/8FRT.040-.031	1/8FRT.040-.031-SS	1/8FRT.040-.031-316SS	1/8FRT.040-.031-NP	1/2	9/16	7/16	7/16
3/64	1/32	1/8FRT.045-.031	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

Note: Dimensions may vary at time of manufacturing.

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1/8 NPT Female Pipe 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.
.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



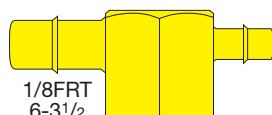
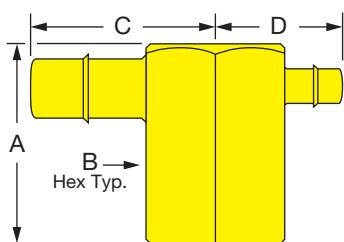
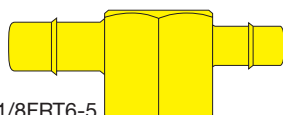
Note: Images are for visual representation only; not intended for dimensional measurements.

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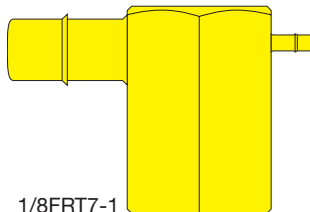


1/8 NPT Female Pipe Thread to Tube Reducing Tees

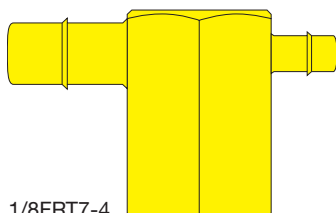
545

1/8FRT
6-3 1/2

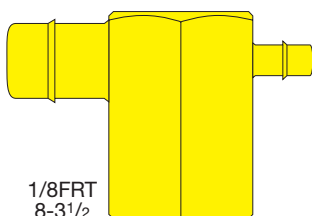
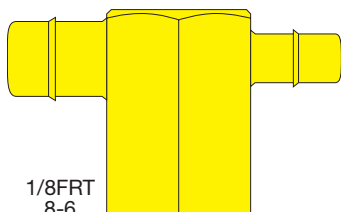
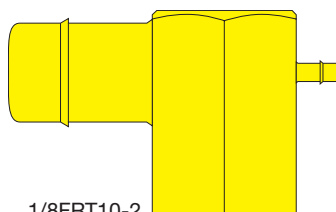
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1/8FRT 7-4

1/8FRT
8-3 1/21/8FRT
8-6

1/8FRT 10-2

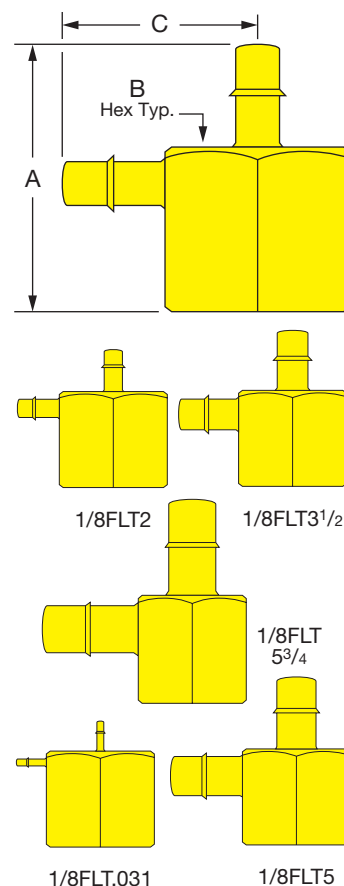
Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/4	5/32 / 4mm	1/8FRT6-3 1/2	1/8FRT6-3 1/2-SS	1/8FRT6-3 1/2-316SS	1/8FRT6-3 1/2-NP	9/16	9/16	25/32	19/32
1/4	.170	1/8FRT6-4	1/8FRT6-4-SS	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 Pipe 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
3/8	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
5/8 / 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



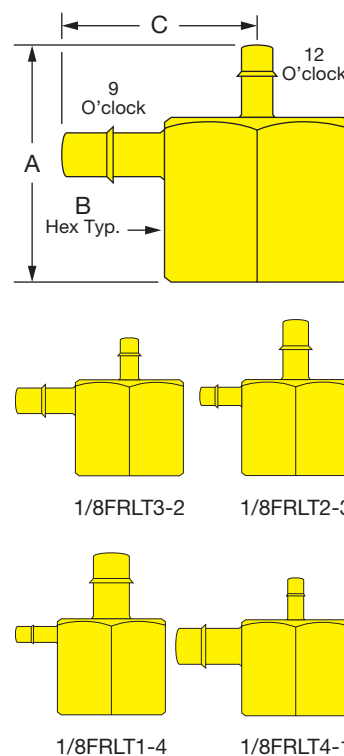
547

1/8 NPT Female Pipe Thread to Tube Reducing L-Tees

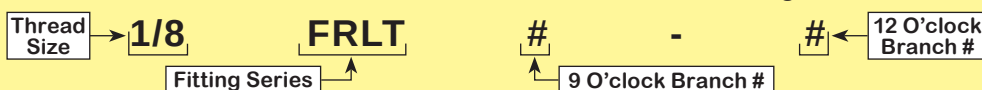
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/32	.031	Consult Factory	9/16	7/16
.040 / 1mm	.040		9/16	7/16
3/64	.045		9/16	7/16
.050	.050		9/16	7/16
1/16	1		9/16	1/2
5/64 / 2mm	2		9/16	1/2
3/32	2 1/2		9/16	1/2
1/8	3		9/16	19/32
5/32 / 4mm	3 1/2		9/16	19/32

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
5/8 / 8mm	7		3/4	1
3/8	8		3/4	2 9/32
1/2	10		3/4	1 1/8

Material Options Listed Below!



Part Numbers for 1/8 NPT Female Thread to Tube Reducing L-Tees:



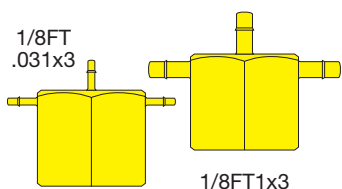
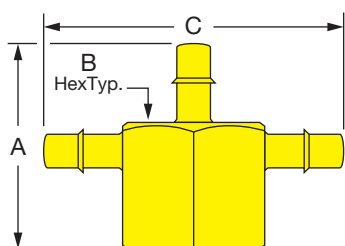
Unless otherwise specified, parts will be Brass. For other materials, add the following codes to the part number:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

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

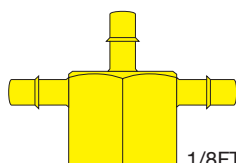


1/8 NPT Female Pipe Thread to Tube Tees x 3

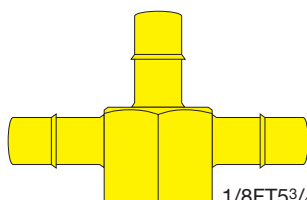
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1/8FT1x3



1/8FT3x3

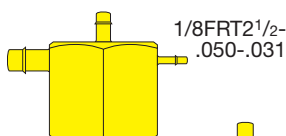
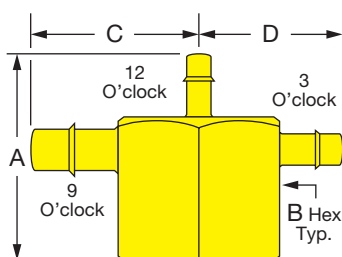


1/8FT5x3

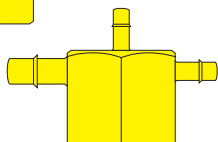
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/8FT.031x3	1/8FT.031x3-SS	1/8FT.031x3-316SS	1/8FT.031x3-NP	1 1/16	9/16	7/8
.040 / 1mm	1/8FT.040x3	1/8FT.040x3-SS	1/8FT.040x3-316SS	1/8FT.040x3-NP	1 1/16	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
3/8	1/8FT5x3	1/8FT5x3-SS	1/8FT5x3-316SS	1/8FT5x3-NP	7/8	9/16	1 1/16
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 1/16
6mm	1/8FT5 3/4x3	1/8FT5 3/4x3-SS	1/8FT5 3/4x3-316SS	1/8FT5 3/4x3-NP	1	9/16	1 1/16
1/4	1/8FT6x3	1/8FT6x3-SS	1/8FT6x3-316SS	1/8FT6x3-NP	1	9/16	1 1/16
5/8 / 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 Pipe Thread to Tube Reducing Tees x 3

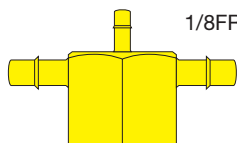
549



1/8FRT2 1/2-.050-.031



1/8FRT3-1-2



1/8FRT3-1-3

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	Consult Factory 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 Consult Factory	9/16	5/8	5/8
3/16	5		9/16	21/32	21/32
7/32	5 1/2		9/16	21/32	21/32
6mm	5 3/4		9/16	25/32	25/32
1/4	6		9/16	25/32	25/32
5/8 / 8mm	7		3/4	1	1
3/8	8		3/4	29/32	29/32
1/2	10		3/4	1 1/8	1 1/8

Material Options Listed Below!

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 #			

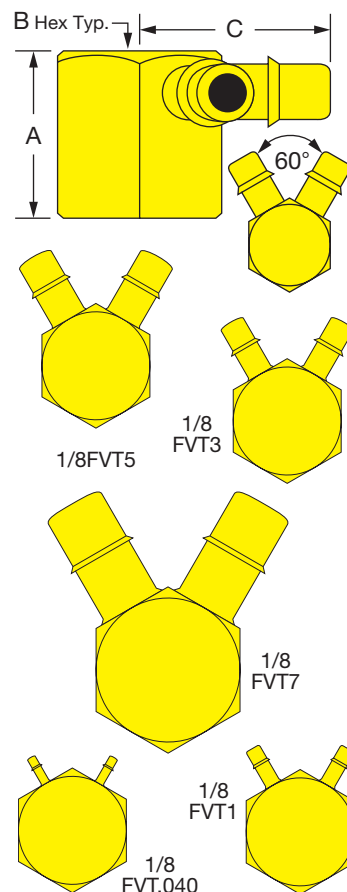
Unless otherwise specified, parts will be Brass. For other materials, add the following codes to the part number:
 -SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

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

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1/8 NPT Female Pipe 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
3/8	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
5/8 / 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	1	1 1/4

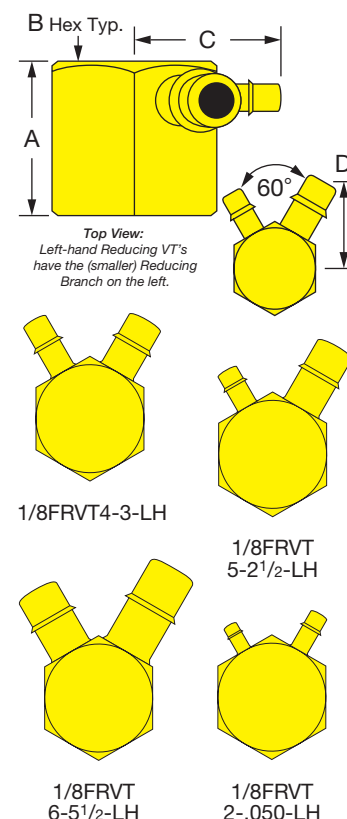


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1/8 NPT Female Pipe Thread to Tube Reducing Left-Hand V-Tees

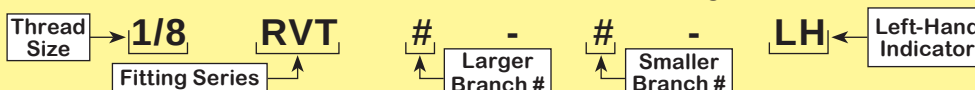
Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	1/2	9/16	7/16	7/16
.040 / 1mm	.040	1/2	9/16	7/16	7/16
3/64	.045	1/2	9/16	7/16	7/16
.050	.050	1/2	9/16	7/16	7/16
1/16	1	1/2	9/16	1/2	1/2
5/64 / 2mm	2	1/2	9/16	1/2	1/2
3/32	2 1/2	1/2	9/16	1/2	1/2
1/8	3	1/2	9/16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



Material Options Listed Below!

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



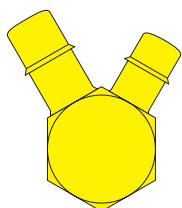
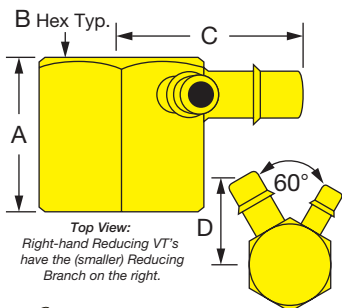
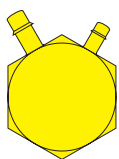
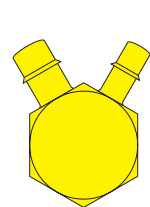
Unless otherwise specified, parts will be Brass. For other materials, add the following codes to the part number:

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

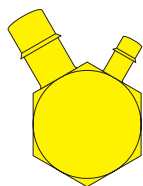


1/8 NPT Female Pipe Thread to Tube Reducing Right-Hand V-Tees

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1/8FRVT
6-5 1/2-RH1/8FRVT
2-.050-RH

1/8FRVT4-3-RH

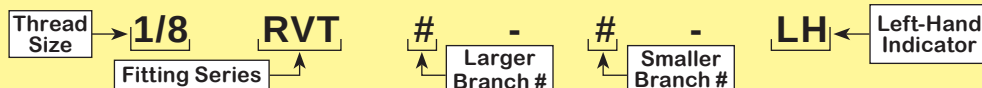
1/8FRVT
5-2 1/2-RH

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
5/8 / 8mm	7	1 5/16	3/4	1	1
3/8	8	1 5/16	3/4	29/32	29/32
1/2	10	1 5/16	1	1 1/4	1 1/4

Material Options Listed Below!

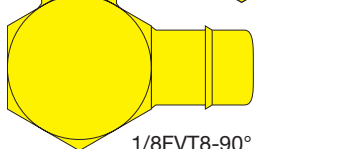
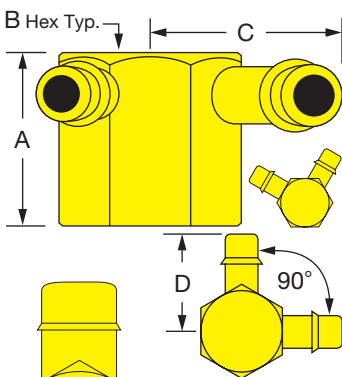
Part Numbers for 1/8 NPT Female Thread to Tube Reducing Left-Hand V-Tees:



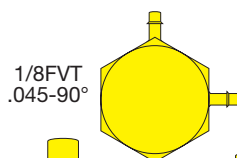
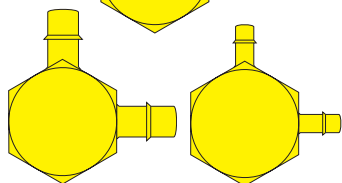
Unless otherwise specified, parts will be Brass. For other materials, add the following codes to the part number:
 -SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

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

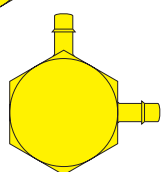
553



1/8FVT8-90°

1/8FVT
.045-90°

1/8FVT3 1/2-90°



1/8FVT2-90°

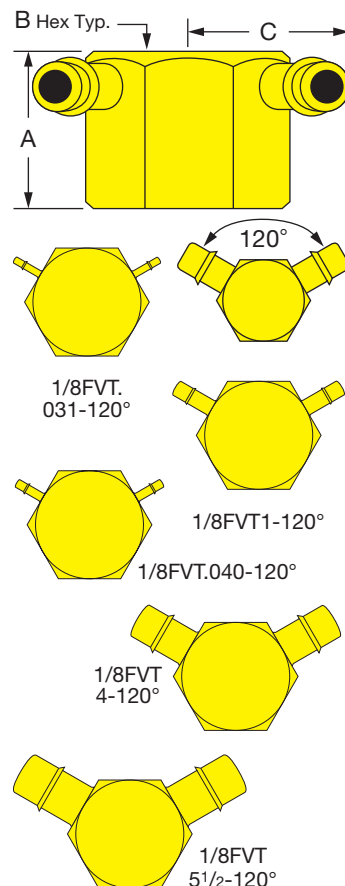
Tube ID	Part Numbers				Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/32	1/8FVT.031-90°	1/8FVT.031-90°-SS	1/8FVT.031-90°-316SS	1/8FVT.031-90°-NP	1/2	9/16	7/16	
.040 / 1mm	1/8FVT.040-90°	1/8FVT.040-90°-SS	1/8FVT.040-90°-316SS	1/8FVT.040-90°-NP	1/2	9/16	7/16	
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	
.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	
1/16	1/8FVT1-90°	1/8FVT1-90°-SS	1/8FVT1-90°-316SS	1/8FVT1-90°-NP	1/2	9/16	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	
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	
1/8	1/8FVT3-90°	1/8FVT3-90°-SS	1/8FVT3-90°-316SS	1/8FVT3-90°-NP	1/2	9/16	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	
.170	1/8FVT4-90°	1/8FVT4-90°-SS	1/8FVT4-90°-316SS	1/8FVT4-90°-NP	1/2	9/16	5/8	
3/8	1/8FVT5-90°	1/8FVT5-90°-SS	1/8FVT5-90°-316SS	1/8FVT5-90°-NP	1/2	9/16	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	
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	
1/4	1/8FVT6-90°	1/8FVT6-90°-SS	1/8FVT6-90°-316SS	1/8FVT6-90°-NP	9/16	9/16	25/32	
5/8 / 8mm	1/8FVT7-90°	1/8FVT7-90°-SS	1/8FVT7-90°-316SS	1/8FVT7-90°-NP	3/4	3/4	1	
3/8	1/8FVT8-90°	1/8FVT8-90°-SS	1/8FVT8-90°-316SS	1/8FVT8-90°-NP	3/4	3/4	29/32	
1/2	1/8FVT10-90°	1/8FVT10-90°-SS	1/8FVT10-90°-316SS	1/8FVT10-90°-NP	3/4	1	1 1/4	

Consult Factory Consult Factory Consult Factory Consult Factory Consult Factory

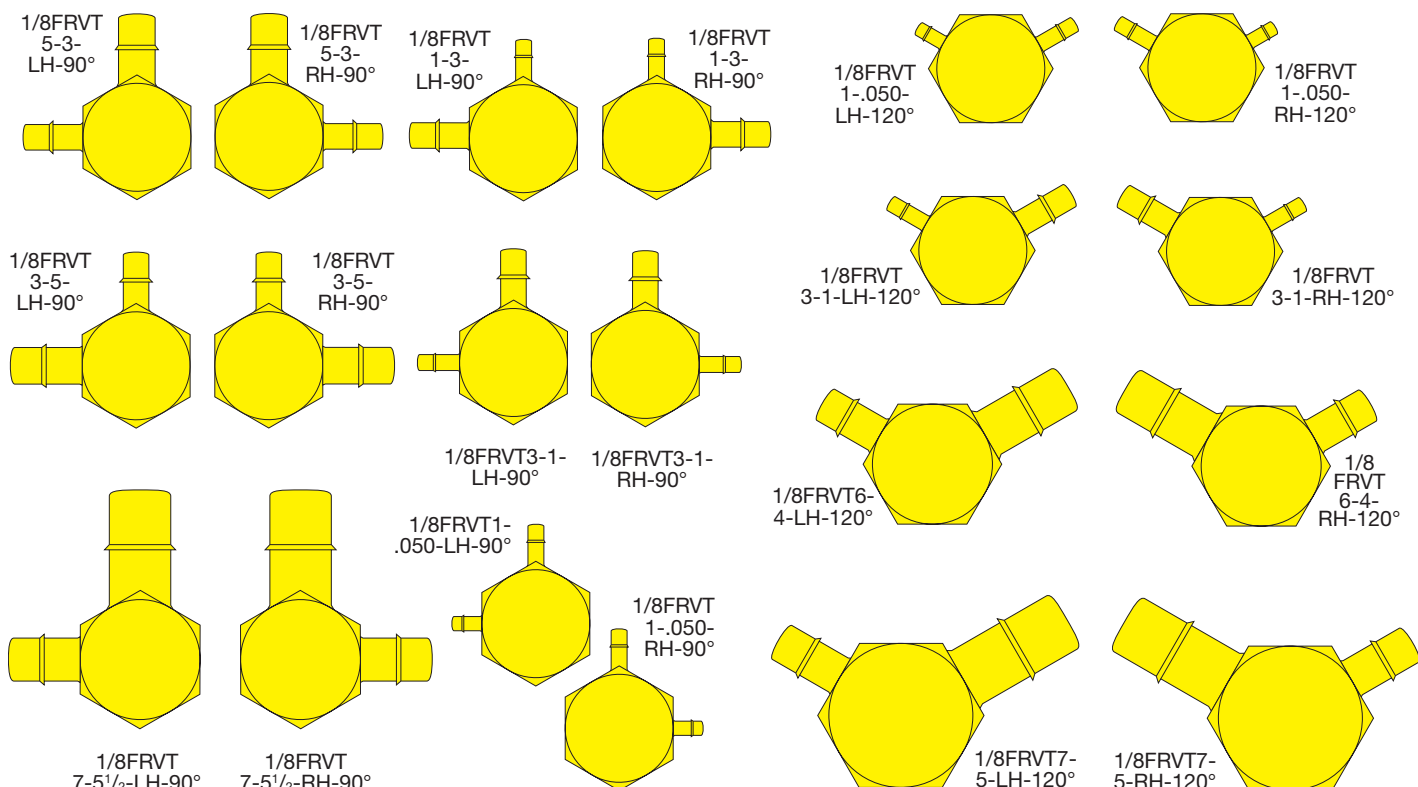
554

1/8 NPT Female Pipe 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
3/8	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
5/8 / 8mm	1/8FVT7-120°	1/8FVT7-120°-SS	1/8FVT7-120°-316SS	1/8FVT7-120°-NP	3/4	3/4	1
3/8	1/8FVT8-120°	1/8FVT8-120°-SS	1/8FVT8-120°-316SS	1/8FVT8-120°-NP	3/4	3/4	29/32
1/2	1/8FVT10-120°	1/8FVT10-120°-SS	1/8FVT10-120°-316SS	1/8FVT10-120°-NP	3/4	1	1 1/4



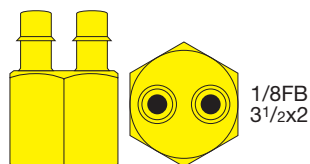
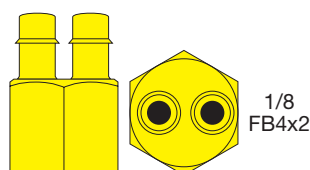
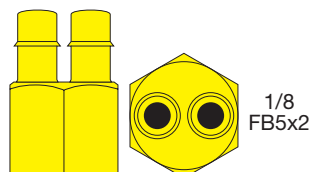
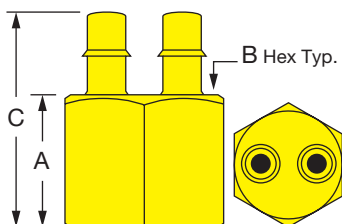
1/8 NPT Female Thread to Tube Custom 90° & 120° V-Tees & Reducing V-Tees Available! Consult Factory for Details!



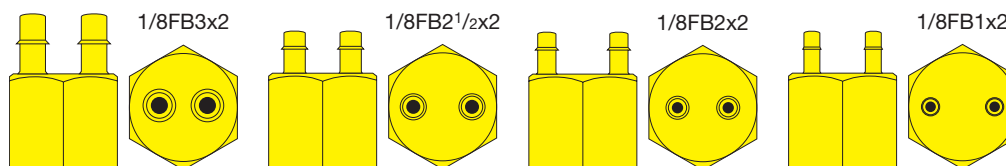


1/8 NPT Female Straight Manifolds with 2 Branches

555

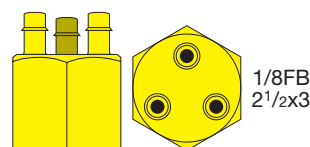
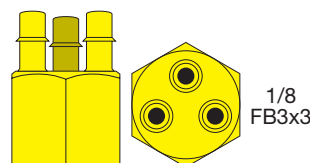
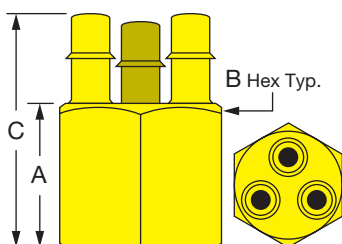


Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/8FB.031x2	1/8FB.031x2-SS	1/8FB.031x2-316SS	1/8FB.031x2-NP	1/2	9/16	1 1/16
.040 / 1mm	1/8FB.040x2	1/8FB.040x2-SS	1/8FB.040x2-316SS	1/8FB.040x2-NP	1/2	9/16	1 1/16
3/64	1/8FB.045x2	1/8FB.045x2-SS	1/8FB.045x2-316SS	1/8FB.045x2-NP	1/2	9/16	1 1/16
.050	1/8FB.050x2	1/8FB.050x2-SS	1/8FB.050x2-316SS	1/8FB.050x2-NP	1/2	9/16	1 1/16
1/16	1/8FB1x2	1/8FB1x2-SS	1/8FB1x2-316SS	1/8FB1x2-NP	1/2	9/16	23/32
5/64 / 2mm	1/8FB2x2	1/8FB2x2-SS	1/8FB2x2-316SS	1/8FB2x2-NP	1/2	9/16	23/32
3/32	1/8FB2 1/2 x2	1/8FB2 1/2 x2-SS	1/8FB2 1/2 x2-316SS	1/8FB2 1/2 x2-NP	1/2	9/16	23/32
1/8	1/8FB3x2	1/8FB3x2-SS	1/8FB3x2-316SS	1/8FB3x2-NP	1/2	9/16	13/16
5/32 / 4mm	1/8FB3 1/2 x2	1/8FB3 1/2 x2-SS	1/8FB3 1/2 x2-316SS	1/8FB3 1/2 x2-NP	1/2	9/16	13/16
.170	1/8FB4x2	1/8FB4x2-SS	1/8FB4x2-316SS	1/8FB4x2-NP	1/2	9/16	27/32
3/8	1/8FB5x2	1/8FB5x2-SS	1/8FB5x2-316SS	1/8FB5x2-NP	1/2	9/16	7/8

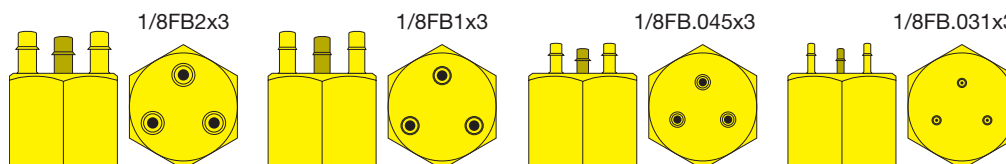


1/8 NPT Female Straight Manifolds with 3 Branches

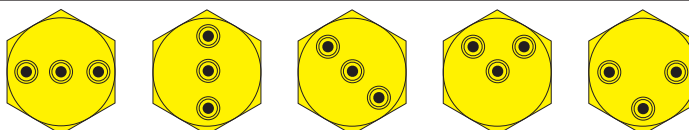
556



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	1/2	9/16	1 1/16
.040 / 1mm	1/8FB.040x3	1/8FB.040x3-SS	1/8FB.040x3-316SS	1/8FB.040x3-NP	1/2	9/16	1 1/16
3/64	1/8FB.045x3	1/8FB.045x3-SS	1/8FB.045x3-316SS	1/8FB.045x3-NP	1/2	9/16	1 1/16
.050	1/8FB.050x3	1/8FB.050x3-SS	1/8FB.050x3-316SS	1/8FB.050x3-NP	1/2	9/16	1 1/16
1/16	1/8FB1x3	1/8FB1x3-SS	1/8FB1x3-316SS	1/8FB1x3-NP	1/2	9/16	23/32
5/64 / 2mm	1/8FB2x3	1/8FB2x3-SS	1/8FB2x3-316SS	1/8FB2x3-NP	1/2	9/16	23/32
3/32	1/8FB2 1/2 x3	1/8FB2 1/2 x3-SS	1/8FB2 1/2 x3-316SS	1/8FB2 1/2 x3-NP	1/2	9/16	23/32
1/8	1/8FB3x3	1/8FB3x3-SS	1/8FB3x3-316SS	1/8FB3x3-NP	1/2	9/16	13/16



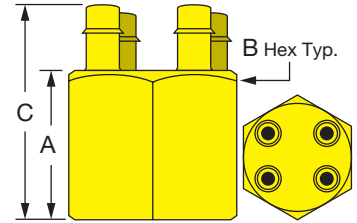
Customize Your Straight Manifolds with Alternate Branch Locations!!
Use the Template on Page 308 to Indicate Branch Placement!



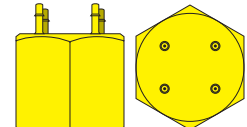
557

1/8 NPT Female Straight Manifolds with 4 Branches

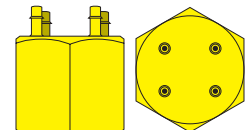
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/8FB.031x4	1/8FB.031x4-SS	1/8FB.031x4-316SS	1/8FB.031x4-NP	1/2	9/16	1 1/16
.040 / 1mm	1/8FB.040x4	1/8FB.040x4-SS	1/8FB.040x4-316SS	1/8FB.040x4-NP	1/2	9/16	1 1/16
3/64	1/8FB.045x4	1/8FB.045x4-SS	1/8FB.045x4-316SS	1/8FB.045x4-NP	1/2	9/16	1 1/16
.050	1/8FB.050x4	1/8FB.050x4-SS	1/8FB.050x4-316SS	1/8FB.050x4-NP	1/2	9/16	1 1/16
1/16	1/8FB1x4	1/8FB1x4-SS	1/8FB1x4-316SS	1/8FB1x4-NP	1/2	9/16	23/32
5/64 / 2mm	1/8FB2x4	1/8FB2x4-SS	1/8FB2x4-316SS	1/8FB2x4-NP	1/2	9/16	23/32
3/32	1/8FB2 1/2x4	1/8FB2 1/2x4-SS	1/8FB2 1/2x4-316SS	1/8FB2 1/2x4-NP	1/2	9/16	23/32



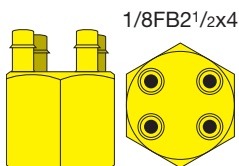
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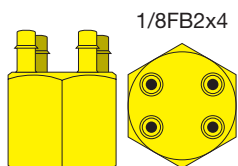
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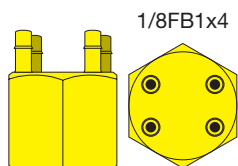
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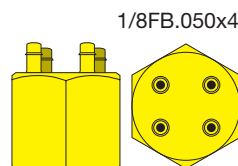
1/8FB2 1/2x4



1/8FB2x4



1/8FB1x4

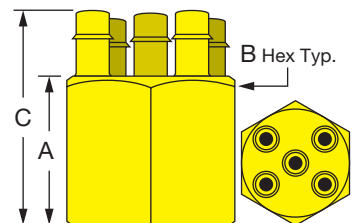


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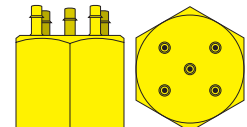
558

1/8 NPT Female Straight Manifolds with 5 Branches

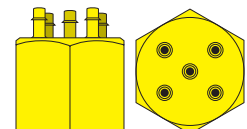
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/8FB.031x5	1/8FB.031x5-SS	1/8FB.031x5-316SS	1/8FB.031x5-NP	1/2	9/16	1 1/16
.040 / 1mm	1/8FB.040x5	1/8FB.040x5-SS	1/8FB.040x5-316SS	1/8FB.040x5-NP	1/2	9/16	1 1/16
3/64	1/8FB.045x5	1/8FB.045x5-SS	1/8FB.045x5-316SS	1/8FB.045x5-NP	1/2	9/16	1 1/16
.050	1/8FB.050x5	1/8FB.050x5-SS	1/8FB.050x5-316SS	1/8FB.050x5-NP	1/2	9/16	1 1/16
1/16	1/8FB1x5	1/8FB1x5-SS	1/8FB1x5-316SS	1/8FB1x5-NP	1/2	9/16	23/32
5/64 / 2mm	1/8FB2x5	1/8FB2x5-SS	1/8FB2x5-316SS	1/8FB2x5-NP	1/2	9/16	23/32
3/32	1/8FB2 1/2x5	1/8FB2 1/2x5-SS	1/8FB2 1/2x5-316SS	1/8FB2 1/2x5-NP	1/2	9/16	23/32



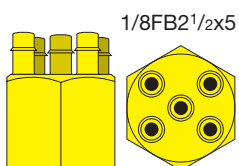
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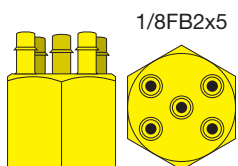
1/8FB.045x5



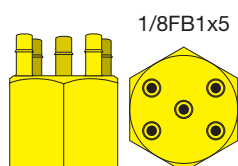
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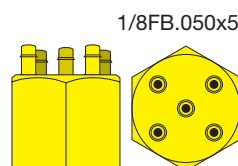
1/8FB2 1/2x5



1/8FB2x5

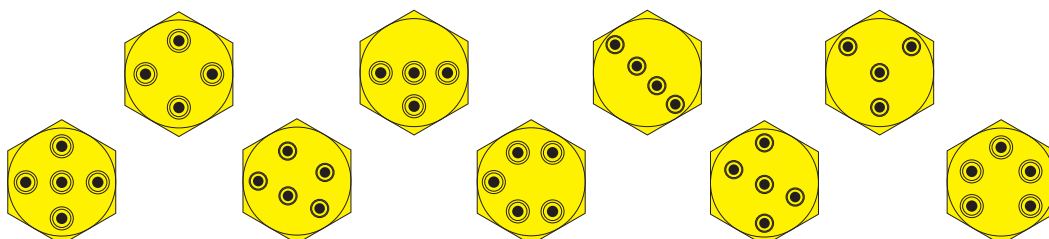


1/8FB1x5



1/8FB.050x5

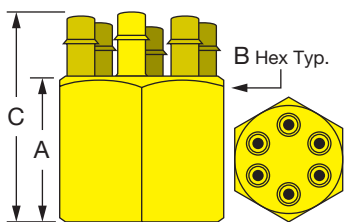
Customize Your Straight Manifolds with Alternate Branch Locations!!
Use the Template on Page 308 to Indicate Branch Placement!



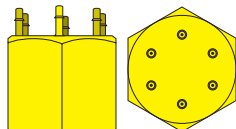


1/8 NPT Female Straight Manifolds with 6 Branches

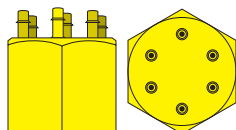
559



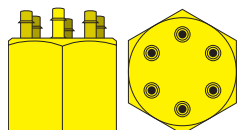
1/8FB.031x6



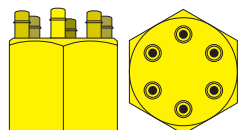
1/8FB.040x6



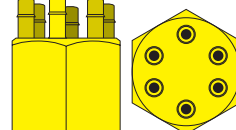
1/8FB.045x6



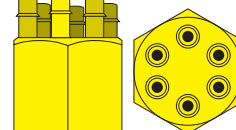
1/8FB.050x6



1/8FB1x6



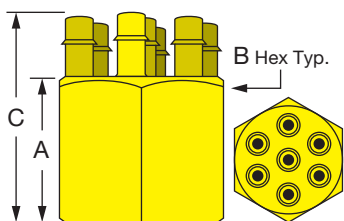
1/8FB2x6



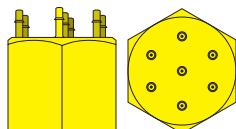
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/8FB.031x6	1/8FB.031x6-SS	1/8FB.031x6-316SS	1/8FB.031x6-NP	1/2	9/16	1 1/16
.040 / 1mm	1/8FB.040x6	1/8FB.040x6-SS	1/8FB.040x6-316SS	1/8FB.040x6-NP	1/2	9/16	1 1/16
3/64	1/8FB.045x6	1/8FB.045x6-SS	1/8FB.045x6-316SS	1/8FB.045x6-NP	1/2	9/16	1 1/16
.050	1/8FB.050x6	1/8FB.050x6-SS	1/8FB.050x6-316SS	1/8FB.050x6-NP	1/2	9/16	1 1/16
1/16	1/8FB1x6	1/8FB1x6-SS	1/8FB1x6-316SS	1/8FB1x6-NP	1/2	9/16	23/32
5/64 / 2mm	1/8FB2x6	1/8FB2x6-SS	1/8FB2x6-316SS	1/8FB2x6-NP	1/2	9/16	23/32

1/8 NPT Female Straight Manifolds with 7 Branches

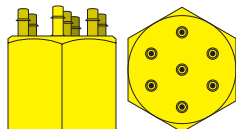
560



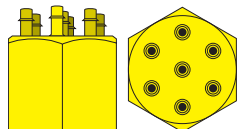
1/8FB.031x7



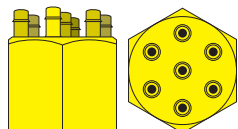
1/8FB.040x7



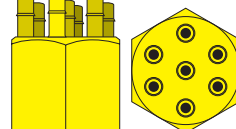
1/8FB.045x7



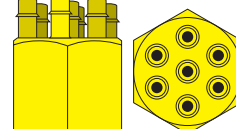
1/8FB.050x7



1/8FB1x7

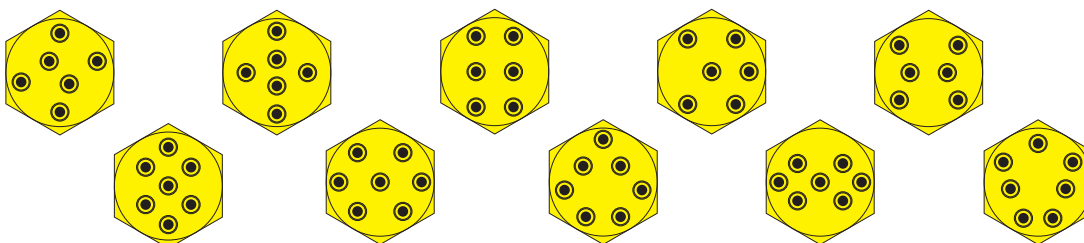


1/8FB2x7



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	1/2	9/16	1 1/16
.040 / 1mm	1/8FB.040x7	1/8FB.040x7-SS	1/8FB.040x7-316SS	1/8FB.040x7-NP	1/2	9/16	1 1/16
3/64	1/8FB.045x7	1/8FB.045x7-SS	1/8FB.045x7-316SS	1/8FB.045x7-NP	1/2	9/16	1 1/16
.050	1/8FB.050x7	1/8FB.050x7-SS	1/8FB.050x7-316SS	1/8FB.050x7-NP	1/2	9/16	1 1/16
1/16	1/8FB1x7	1/8FB1x7-SS	1/8FB1x7-316SS	1/8FB1x7-NP	1/2	9/16	23/32
5/64 / 2mm	1/8FB2x7	1/8FB2x7-SS	1/8FB2x7-316SS	1/8FB2x7-NP	1/2	9/16	23/32

Customize Your Straight Manifolds with Alternate Branch Locations!!
Use the Template on Page 308 to Indicate Branch Placement!



561

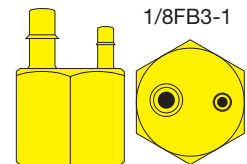
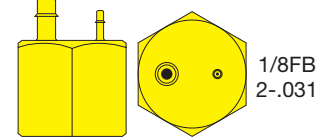
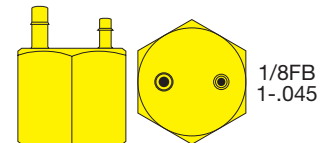
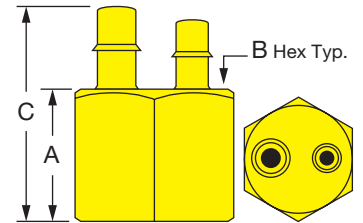
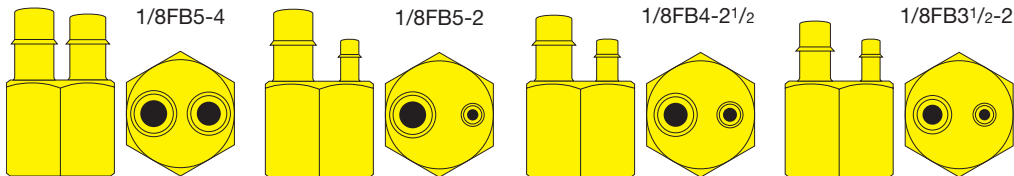
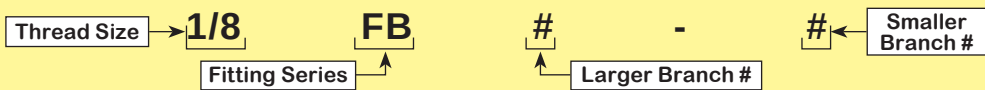
1/8 NPT Female Straight Reducing Manifolds with 2 Branches

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/32	.031	1/2	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 1/8 NPT Female Pipe Thread Reducing Manifolds with 2 Branches:



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1/8 NPT Female Straight Reducing Manifolds with 3 Branches

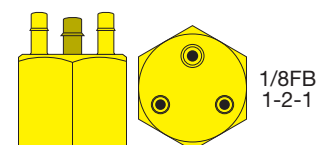
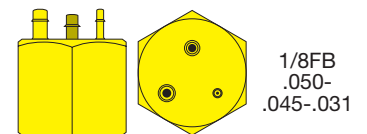
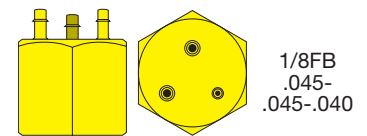
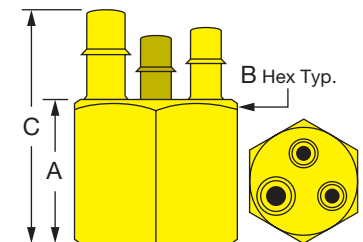
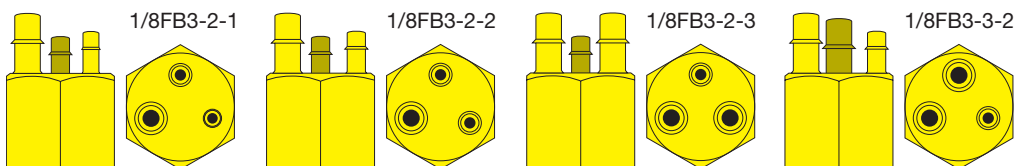
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/32	.031	1/2	9/16	11/16
.040 / 1mm	.040	1/2	9/16	11/16
3/64	.045	1/2	9/16	11/16
.050	.050	1/2	9/16	11/16

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

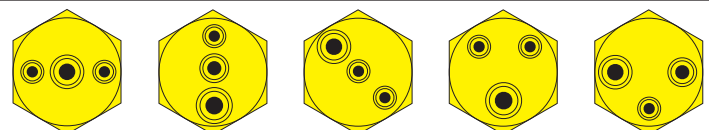
Part Numbers for 1/8 NPT Female Pipe Thread Reducing Manifolds with 3 Branches:



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



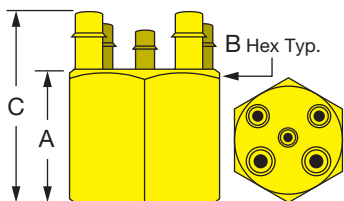
Customize Your Straight Manifolds with Alternate Branch Locations!!
 Use the Template on Page 308 to Indicate Branch Placement!





1/8 NPT Female Straight Reducing Manifolds with 4 or 5 Branches

563

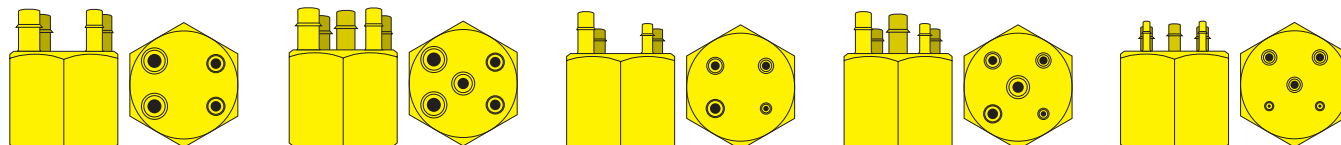


Use the template on below to indicate branch sizes & placement!

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

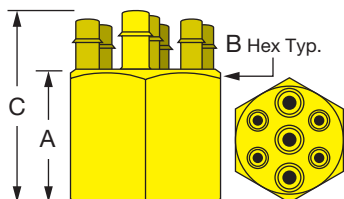
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/16	1	1/2	9/16	23/32
5/64 / 2mm	2	1/2	9/16	23/32
3/32	2 1/2	1/2	9/16	23/32

Material options listed on previous page!



1/8 NPT Female Straight Reducing Manifolds with 6 or 7 Branches

564

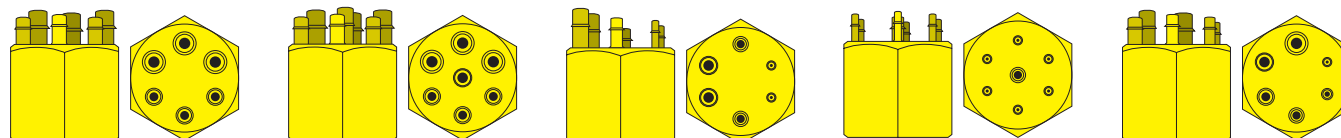


Use the template on below to indicate branch sizes & placement!

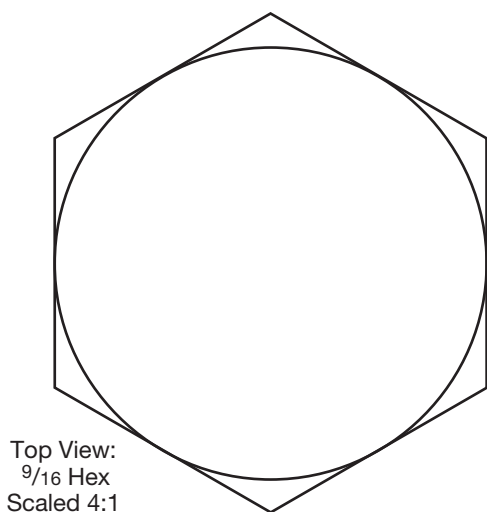
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/32	.031	1/2	9/16	11/16
.040 / 1mm	.040	1/2	9/16	11/16
3/64	.045	1/2	9/16	11/16
.050	.050	1/2	9/16	11/16

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

Material Options Listed on Previous Page!



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



To Use:

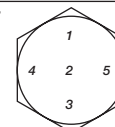
Indicate the desired location of each branch by writing the numbers 1 through 7 (1 = 1st Branch, etc.) on the diagram on the left. Mark the coordinating Branch Number (size) in the chart below. Reference tables above for Branch Numbers and Tube ID's. Upon receipt of this template, a part number* will 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

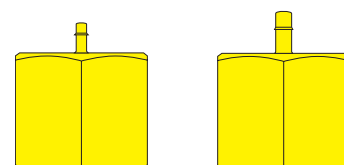
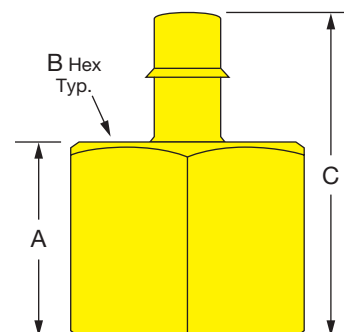
Part number: 1/4B2-2-2-1-1
 Two #2 Branches (1st, 2nd, 3rd)
 Two #1 Branches (4th, 5th)

*Part numbers will vary depending on branch configuration

565

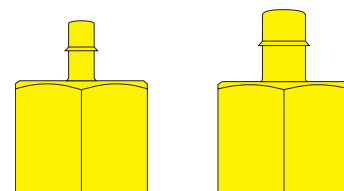
1/4 NPT Female Pipe Thread to Tube

Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/4FB.031	1/4FB.031-SS	1/4FB.031-316SS	N/A	1/4FB.031-NP	19/32	11/16	3/4
.040 / 1mm	1/4FB.040	1/4FB.040-SS	1/4FB.040-316SS	N/A	1/4FB.040-NP	19/32	11/16	3/4
3/64	1/4FB.045	1/4FB.045-SS	1/4FB.045-316SS	N/A	1/4FB.045-NP	19/32	11/16	3/4
.050	1/4FB.050	1/4FB.050-SS	1/4FB.050-316SS	N/A	1/4FB.050-NP	19/32	11/16	3/4
1/16	1/4FB1	1/4FB1-SS	1/4FB1-316SS	1/4FB1-AL	1/4FB1-NP	19/32	11/16	13/16
5/64 / 2mm	1/4FB2	1/4FB2-SS	1/4FB2-316SS	1/4FB2-AL	1/4FB2-NP	19/32	11/16	13/16
3/32	1/4FB2 1/2	1/4FB2 1/2-SS	1/4FB2 1/2-316SS	1/4FB2 1/2-AL	1/4FB2 1/2-NP	19/32	11/16	13/16
1/8	1/4FB3	1/4FB3-SS	1/4FB3-316SS	1/4FB3-AL	1/4FB3-NP	19/32	11/16	29/32
5/32 / 4mm	1/4FB3 1/2	1/4FB3 1/2-SS	1/4FB3 1/2-316SS	1/4FB3 1/2-AL	1/4FB3 1/2-NP	19/32	11/16	29/32
.170	1/4FB4	1/4FB4-SS	1/4FB4-316SS	1/4FB4-AL	1/4FB4-NP	19/32	11/16	15/16
3/16	1/4FB5	1/4FB5-SS	1/4FB5-316SS	1/4FB5-AL	1/4FB5-NP	19/32	11/16	31/32
7/32	1/4FB5 1/2	1/4FB5 1/2-SS	1/4FB5 1/2-316SS	1/4FB5 1/2-AL	1/4FB5 1/2-NP	19/32	11/16	31/32
6mm	1/4FB5 3/4	1/4FB5 3/4-SS	1/4FB5 3/4-316SS	1/4FB5 3/4-AL	1/4FB5 3/4-NP	19/32	11/16	1 3/32
1/4	1/4FB6	1/4FB6-SS	1/4FB6-316SS	1/4FB6-AL	1/4FB6-NP	19/32	11/16	1 3/32
5/8 / 8mm	1/4FB7	1/4FB7-SS	1/4FB7-316SS	1/4FB7-AL	1/4FB7-NP	19/32	11/16	1 7/32
3/8	1/4FB8	1/4FB8-SS	1/4FB8-316SS	1/4FB8-AL	1/4FB8-NP	19/32	11/16	1 1/8
1/2	1/4FB10	1/4FB10-SS	1/4FB10-316SS	1/4FB10-AL	1/4FB10-NP	19/32	11/16	1 11/32



1/4FB.040

1/4FB1



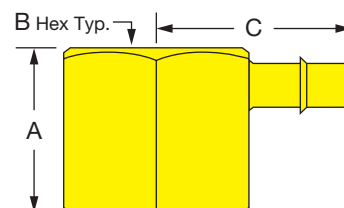
1/4FB3

1/4FB5 1/2

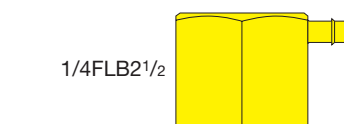
566

1/4 NPT Female Pipe Thread to Tube Elbows

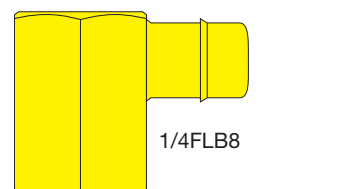
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/4FLB.031	1/4FLB.031-SS	1/4FLB.031-316SS	1/4FLB.031-NP	19/32	11/16	1/2
.040 / 1mm	1/4FLB.040	1/4FLB.040-SS	1/4FLB.040-316SS	1/4FLB.040-NP	19/32	11/16	1/2
3/64	1/4FLB.045	1/4FLB.045-SS	1/4FLB.045-316SS	1/4FLB.045-NP	19/32	11/16	1/2
.050	1/4FLB.050	1/4FLB.050-SS	1/4FLB.050-316SS	1/4FLB.050-NP	19/32	11/16	1/2
1/16	1/4FLB1	1/4FLB1-SS	1/4FLB1-316SS	1/4FLB1-NP	19/32	11/16	9/16
5/64 / 2mm	1/4FLB2	1/4FLB2-SS	1/4FLB2-316SS	1/4FLB2-NP	19/32	11/16	9/16
3/32	1/4FLB2 1/2	1/4FLB2 1/2-SS	1/4FLB2 1/2-316SS	1/4FLB2 1/2-NP	19/32	11/16	9/16
1/8	1/4FLB3	1/4FLB3-SS	1/4FLB3-316SS	1/4FLB3-NP	19/32	11/16	21/32
5/32 / 4mm	1/4FLB3 1/2	1/4FLB3 1/2-SS	1/4FLB3 1/2-316SS	1/4FLB3 1/2-NP	19/32	11/16	21/32
.170	1/4FLB4	1/4FLB4-SS	1/4FLB4-316SS	1/4FLB4-NP	19/32	11/16	11/16
3/16	1/4FLB5	1/4FLB5-SS	1/4FLB5-316SS	1/4FLB5-NP	19/32	11/16	23/32
7/32	1/4FLB5 1/2	1/4FLB5 1/2-SS	1/4FLB5 1/2-316SS	1/4FLB5 1/2-NP	19/32	11/16	23/32
6mm	1/4FLB5 3/4	1/4FLB5 3/4-SS	1/4FLB5 3/4-316SS	1/4FLB5 3/4-NP	19/32	11/16	27/32
1/4	1/4FLB6	1/4FLB6-SS	1/4FLB6-316SS	1/4FLB6-NP	19/32	11/16	27/32
5/8 / 8mm	1/4FLB7	1/4FLB7-SS	1/4FLB7-316SS	1/4FLB7-NP	15/16	11/16	31/32
3/8	1/4FLB8	1/4FLB8-SS	1/4FLB8-316SS	1/4FLB8-NP	15/16	11/16	7/8
1/2	1/4FLB10	1/4FLB10-SS	1/4FLB10-316SS	1/4FLB10-NP	15/16	11/16	1 3/32



1/4FLB.050



1/4FLB2 1/2



1/4FLB8

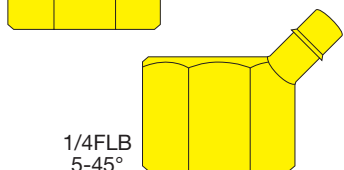
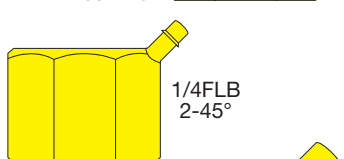
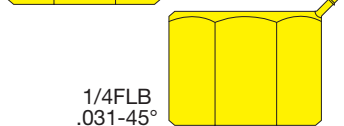
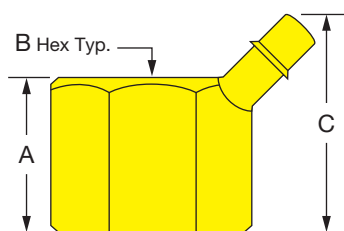


1/4FLB4



1/4 NPT Female Pipe Thread to Tube 45° Elbows

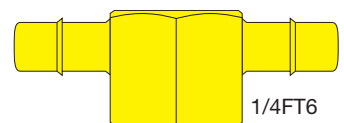
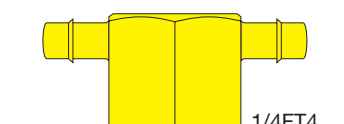
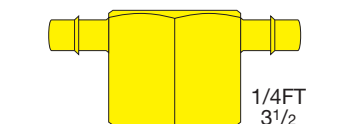
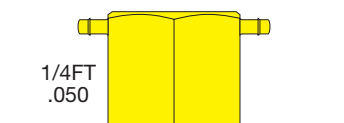
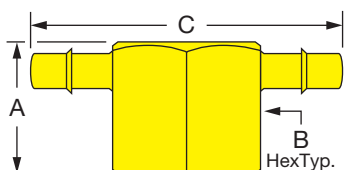
567



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.031-45°	1/4FLB.031-45°-SS	1/4FLB.031-45°-316SS	1/4FLB.031-45°-NP	1 9/32	1 1/16	Consult Factory
.040 / 1mm	1/4FLB.040-45°	1/4FLB.040-45°-SS	1/4FLB.040-45°-316SS	1/4FLB.040-45°-NP	1 9/32	1 1/16	
3/64	1/4FLB.045-45°	1/4FLB.045-45°-SS	1/4FLB.045-45°-316SS	1/4FLB.045-45°-NP	1 9/32	1 1/16	
.050	1/4FLB.050-45°	1/4FLB.050-45°-SS	1/4FLB.050-45°-316SS	1/4FLB.050-45°-NP	1 9/32	1 1/16	
1/16	1/4FLB1-45°	1/4FLB1-45°-SS	1/4FLB1-45°-316SS	1/4FLB1-45°-NP	1 9/32	1 1/16	
5/64 / 2mm	1/4FLB2-45°	1/4FLB2-45°-SS	1/4FLB2-45°-316SS	1/4FLB2-45°-NP	1 9/32	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	1 9/32	1 1/16	
1/8	1/4FLB3-45°	1/4FLB3-45°-SS	1/4FLB3-45°-316SS	1/4FLB3-45°-NP	1 9/32	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	1 9/32	1 1/16	
.170	1/4FLB4-45°	1/4FLB4-45°-SS	1/4FLB4-45°-316SS	1/4FLB4-45°-NP	1 9/32	1 1/16	
3/16	1/4FLB5-45°	1/4FLB5-45°-SS	1/4FLB5-45°-316SS	1/4FLB5-45°-NP	1 9/32	1 1/16	Consult Factory
7/32	1/4FLB5 1/2-45°	1/4FLB5 1/2-45°-SS	1/4FLB5 1/2-45°-316SS	1/4FLB5 1/2-45°-NP	1 9/32	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	1 9/32	1 1/16	
1/4	1/4FLB6-45°	1/4FLB6-45°-SS	1/4FLB6-45°-316SS	1/4FLB6-45°-NP	1 9/32	1 1/16	
5/8 / 8mm	1/4FLB7-45°	1/4FLB7-45°-SS	1/4FLB7-45°-316SS	1/4FLB7-45°-NP	1 9/32	1 1/16	
3/8	1/4FLB8-45°	1/4FLB8-45°-SS	1/4FLB8-45°-316SS	1/4FLB8-45°-NP	1 9/32	1 1/16	
1/2	1/4FLB10-45°	1/4FLB10-45°-SS	1/4FLB10-45°-316SS	1/4FLB10-45°-NP	1 9/32	1 1/16	

1/4 NPT Female Pipe Thread to Tube Tees

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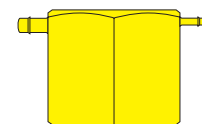
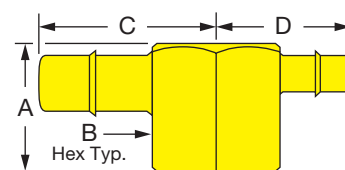
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/4FT.031	1/4FT.031-SS	1/4FT.031-316SS	1/4FT.031-NP	1 9/32	1 1/16	1
.040 / 1mm	1/4FT.040	1/4FT.040-SS	1/4FT.040-316SS	1/4FT.040-NP	1 9/32	1 1/16	1
3/64	1/4FT.045	1/4FT.045-SS	1/4FT.045-316SS	1/4FT.045-NP	1 9/32	1 1/16	1
.050	1/4FT.050	1/4FT.050-SS	1/4FT.050-316SS	1/4FT.050-NP	1 9/32	1 1/16	1
1/16	1/4FT1	1/4FT1-SS	1/4FT1-316SS	1/4FT1-NP	1 9/32	1 1/16	1 1/8
5/64 / 2mm	1/4FT2	1/4FT2-SS	1/4FT2-316SS	1/4FT2-NP	1 9/32	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	1 9/32	1 1/16	1 1/8
1/8	1/4FT3	1/4FT3-SS	1/4FT3-316SS	1/4FT3-NP	1 9/32	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	1 9/32	1 1/16	1 5/16
.170	1/4FT4	1/4FT4-SS	1/4FT4-316SS	1/4FT4-NP	1 9/32	1 1/16	1 3/8
3/16	1/4FT5	1/4FT5-SS	1/4FT5-316SS	1/4FT5-NP	1 9/32	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	1 9/32	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	1 9/32	1 1/16	1 21/32
1/4	1/4FT6	1/4FT6-SS	1/4FT6-316SS	1/4FT6-NP	1 9/32	1 1/16	1 21/32
5/8 / 8mm	1/4FT7	1/4FT7-SS	1/4FT7-316SS	1/4FT7-NP	1 5/16	1 1/16	1 15/16
3/8	1/4FT8	1/4FT8-SS	1/4FT8-316SS	1/4FT8-NP	1 5/16	1 1/16	1 3/4
1/2	1/4FT10	1/4FT10-SS	1/4FT10-316SS	1/4FT10-NP	1 5/16	1	2 1/2

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

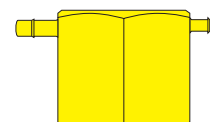
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1/4 NPT Female Pipe Thread to Tube Reducing Tees

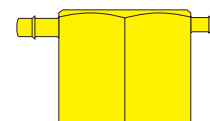
Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
.040 / 1mm	1/32	1/4FRT.040-.031	1/4FRT.040-.031-SS	1/4FRT.040-.031-316SS	1/4FRT.040-.031-NP	19/32	11/16	1/2	1/2
3/64	1/32	1/4FRT.045-.031	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



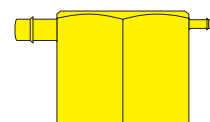
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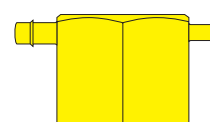
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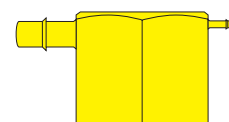
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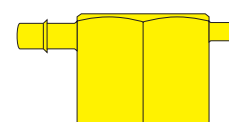
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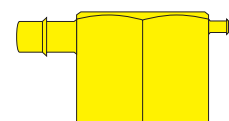
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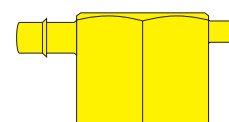
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1/4FRT3-2



1/4FRT3 1/2-.045



1/4FRT3 1/2-2 1/2

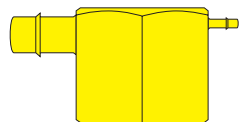
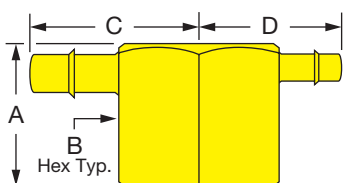
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page

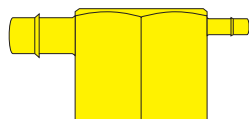


1/4 NPT Female Pipe Thread to Tube Reducing Tees

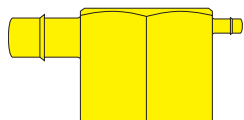
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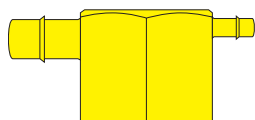
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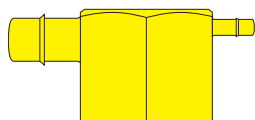
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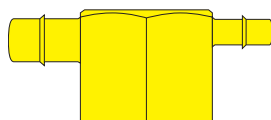
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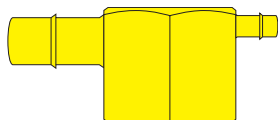
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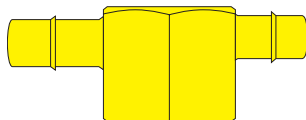
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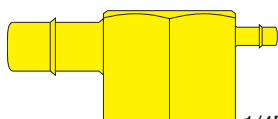
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1/8FRT5 3/4-2 1/2



1/4FRT5 3/4-5 1/2



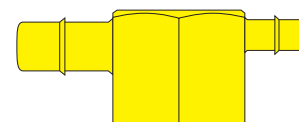
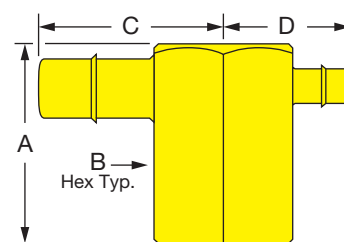
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Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
.170	1/32	1/4FRT4-.031	1/4FRT4-.031-SS	1/4FRT4-.031-316SS	1/4FRT4-.031-NP	19/32	11/16	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

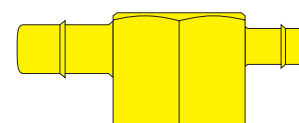
571

1/4 NPT Female Pipe Thread to Tube Reducing Tees

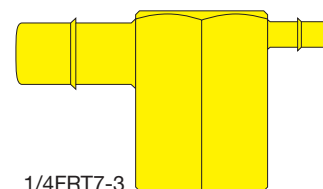
Tube ID		Part Numbers				Dimensions (Reference)			
Larger	Smaller	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/4	5/32 / 4mm	1/4FRT6-3 1/2	1/4FRT6-3 1/2-SS	1/4FRT6-3 1/2-316SS	1/4FRT6-3 1/2-NP	19/32	1 1/16	27/32	2 1/32
1/4	.170	1/4FRT6-4	1/4FRT6-4-SS	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	1	1 1/4	9/16
1/2	5/64 / 2mm	1/4FRT10-2	1/4FRT10-2-SS	1/4FRT10-2-316SS	1/4FRT10-2-NP	15/16	1	1 1/4	9/16
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	1	1 1/4	9/16
1/2	1/8	1/4FRT10-3	1/4FRT10-3-SS	1/4FRT10-3-316SS	1/4FRT10-3-NP	15/16	1	1 1/4	2 1/32
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	1	1 1/4	2 1/32
1/2	.170	1/4FRT10-4	1/4FRT10-4-SS	1/4FRT10-4-316SS	1/4FRT10-4-NP	15/16	1	1 1/4	1 1/16
1/2	3/16	1/4FRT10-5	1/4FRT10-5-SS	1/4FRT10-5-316SS	1/4FRT10-5-NP	15/16	1	1 1/4	2 3/32
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	1	1 1/4	2 3/32
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	1	1 1/4	2 7/32
1/2	1/4	1/4FRT10-6	1/4FRT10-6-SS	1/4FRT10-6-316SS	1/4FRT10-6-NP	15/16	1	1 1/4	2 7/32
1/2	5/16 / 8mm	1/4FRT10-7	1/4FRT10-7-SS	1/4FRT10-7-316SS	1/4FRT10-7-NP	15/16	1	1 1/4	3 1/32
1/2	3/8	1/4FRT10-8	1/4FRT10-8-SS	1/4FRT10-8-316SS	1/4FRT10-8-NP	15/16	1	1 1/4	7/8



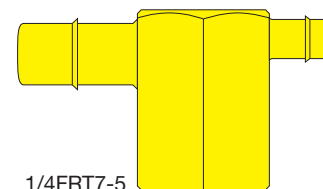
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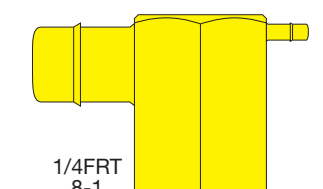
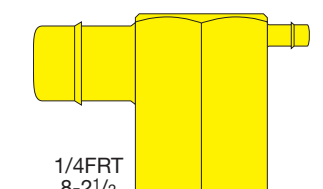
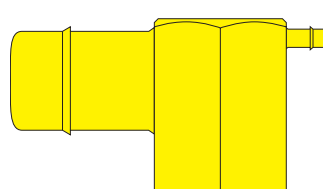
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1/4FRT7-3



1/4FRT7-5


1/4FRT
8-1

1/4FRT
8-2 1/2


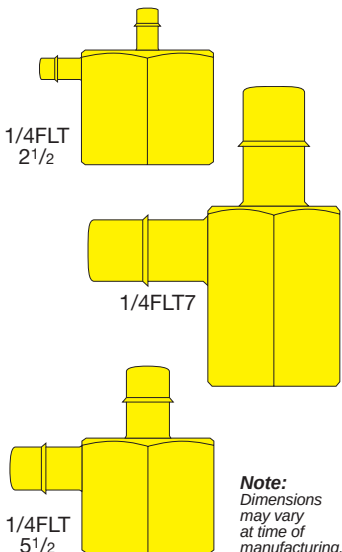
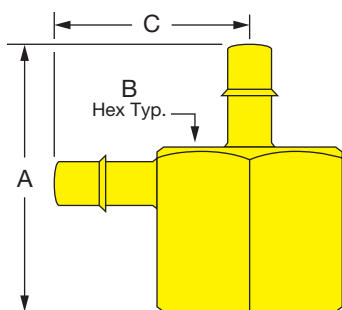
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Note:
Dimensions may vary at time of manufacturing.



1/4 NPT Female Pipe Thread to Tube L-Tees

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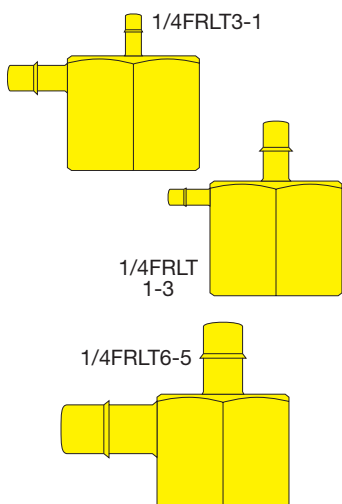
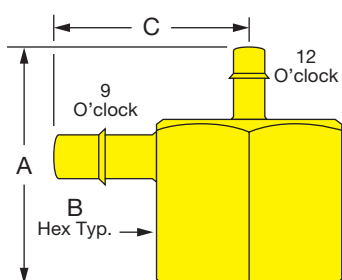


Note:
Dimensions
may vary
at time of
manufacturing.

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	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	1 3/32	1 1/16	27/32
1/4	1/4FLT6	1/4FLT6-SS	1/4FLT6-316SS	1/4FLT6-NP	1 3/32	1 1/16	27/32
5/8 / 8mm	1/4FLT7	1/4FLT7-SS	1/4FLT7-316SS	1/4FLT7-NP	1 7/16	1 1/16	31/32
3/8	1/4FLT8	1/4FLT8-SS	1/4FLT8-316SS	1/4FLT8-NP	1 15/32	1 1/16	7/8
1/2	1/4FLT10	1/4FLT10-SS	1/4FLT10-316SS	1/4FLT10-NP	1 11/16	1	1 1/4

1/4 NPT Female Pipe 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 Consult Factory	1 1/16	1/2
.040 / 1mm	.040		1 1/16	1/2
3/64	.045		1 1/16	1/2
.050	.050		1 1/16	1/2
1/16	1		1 1/16	9/16
5/64 / 2mm	2		1 1/16	9/16
3/32	2 1/2		1 1/16	9/16
1/8	3		1 1/16	21/32
5/32 / 4mm	3 1/2		1 1/16	21/32

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
.170	4	Consult Factory Consult Factory	1 1/16	1 1/16
3/16	5		1 1/16	23/32
7/32	5 1/2		1 1/16	23/32
6mm	5 3/4		1 1/16	27/32
1/4	6		1 1/16	27/32
5/8 / 8mm	7		1 1/16	31/32
3/8	8		1 1/16	7/8
1/2	10		1	1 1/4

Material Options Listed Below!

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

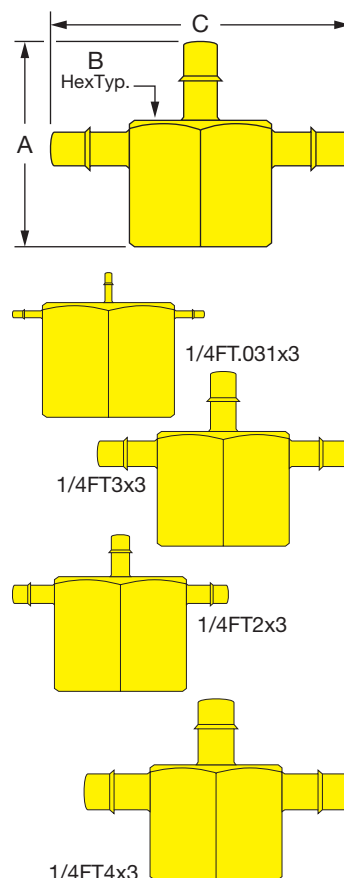
Thread Size	1/4	FRLT	#	-	#	12 O'clock Branch #
		Fitting Series				9 O'clock Branch #

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 Female Pipe 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	1 3/32	1 1/16	1 21/32
1/4	1/4FT6x3	1/4FT6x3-SS	1/4FT6x3-316SS	1/4FT6x3-NP	1 3/32	1 1/16	1 21/32
5/8 / 8mm	1/4FT7x3	1/4FT7x3-SS	1/4FT7x3-316SS	1/4FT7x3-NP	1 7/16	1 1/16	1 15/16
3/8	1/4FT8x3	1/4FT8x3-SS	1/4FT8x3-316SS	1/4FT8x3-NP	1 11/32	1 1/16	1 3/4
1/2	1/4FT10x3	1/4FT10x3-SS	1/4FT10x3-316SS	1/4FT10x3-NP	1 11/16	1	2 1/2



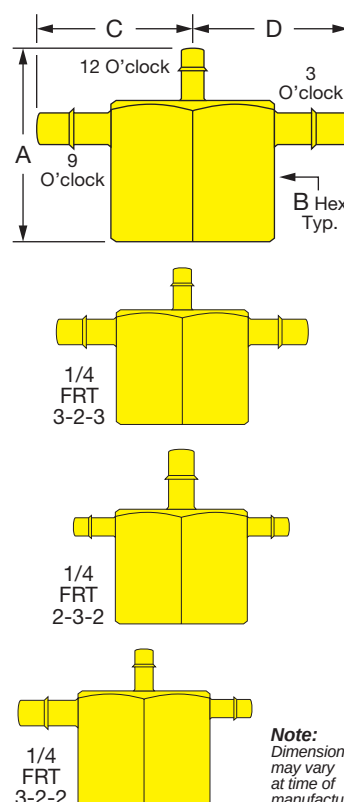
575

1/4 NPT Female Pipe Thread to Tube Custom Reducing Tees x 3

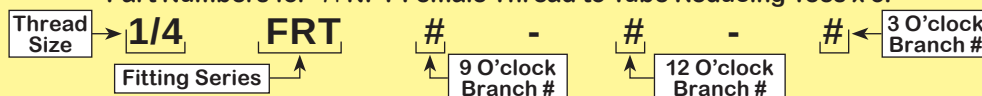
Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	Consult Factory	1 1/16	1/2	1/2
.040 / 1mm	.040		1 1/16	1/2	1/2
3/64	.045		1 1/16	1/2	1/2
.050	.050		1 1/16	1/2	1/2
1/16	1		1 1/16	9/16	9/16
5/64 / 2mm	2		1 1/16	9/16	9/16
3/32	2 1/2		1 1/16	9/16	9/16
1/8	3		1 1/16	2 1/32	2 1/32
5/32 / 4mm	3 1/2		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	Consult Factory	1 1/16	1 1/16	1 1/16
3/16	5		1 1/16	23/32	23/32
7/32	5 1/2		1 1/16	23/32	23/32
6mm	5 3/4		1 1/16	27/32	27/32
1/4	6		1 1/16	27/32	27/32
5/8 / 8mm	7		1 1/16	31/32	31/32
3/8	8		1 1/16	7/8	7/8
1/2	10		1	1 1/4	1 1/4

Material Options Listed Below!



Part Numbers for 1/4 NPT Female Thread to Tube Reducing Tees x 3:



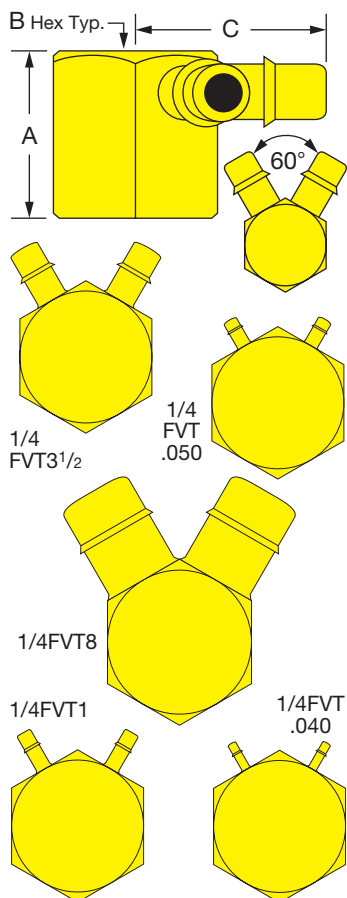
Unless otherwise specified, parts will be Brass. For other materials, add the following codes to the part number:
 -SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

Note:
Dimensions may vary at time of manufacturing.



1/4 NPT Female Pipe Thread to Tube V-Tees

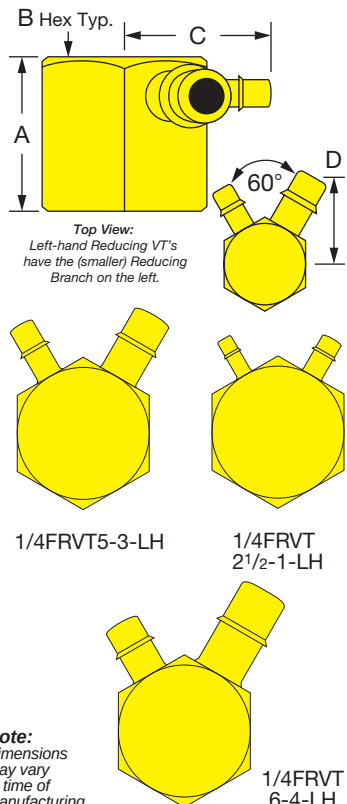
576



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
5/8 / 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	3/4	29/32
1/2	1/4FVT10	1/4FVT10-SS	1/4FVT10-316SS	1/4FVT10-NP	15/16	1	1 1/4

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

577



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
5/8 / 8mm	7	15/16	11/16	31/32	31/32
3/8	8	15/16	3/4	Consult Factory	
1/2	10	15/16	1	Consult Factory	

Material Options Listed Below!

Part Numbers for 1/4 NPT Female Thread to Tube Reducing Left-Hand 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

Note:
Dimensions
may vary
at time of
manufacturing.

578

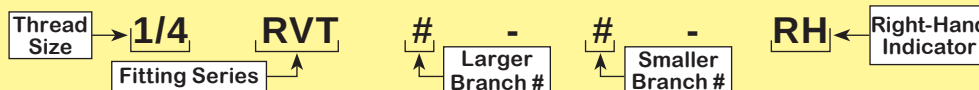
1/4 NPT Female Pipe Thread to Tube Reducing Right-Hand V-Tees

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

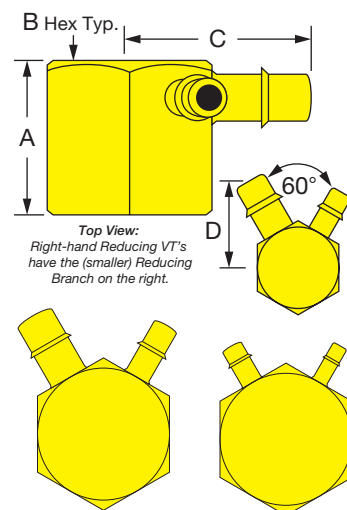
Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
.170	4	19/32	1 1/16	1 1/16	1 1/16
3/16	5	19/32	1 1/16	2 3/32	2 3/32
7/32	5 1/2	19/32	1 1/16	2 3/32	2 3/32
6mm	5 3/4	19/32	1 1/16	2 7/32	2 7/32
1/4	6	19/32	1 1/16	2 7/32	2 7/32
5/8 / 8mm	7	15/16	1 1/16	3 1/32	3 1/32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

Material Options Listed Below!

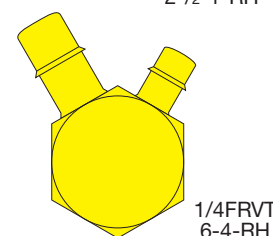
Part Numbers for 1/4 NPT Female Thread to Tube Reducing Right-Hand V-Tees:



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



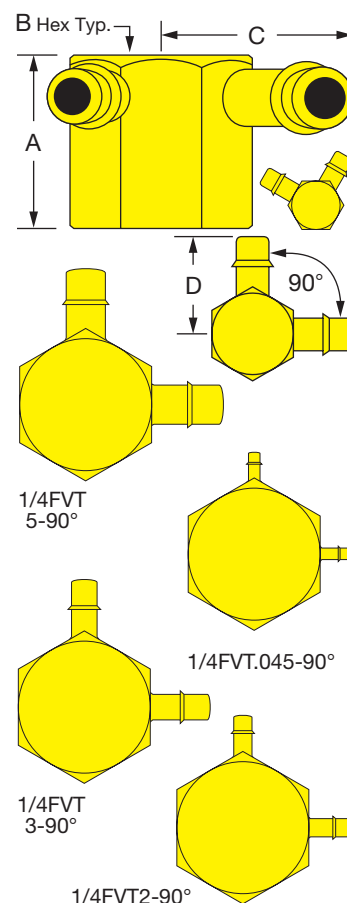
1/4FRVT5-3-RH

1/4FRVT
2 1/2-1-RH


579

1/4 NPT Female Pipe 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		Consult Factory
.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		
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		
.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		
1/16	1/4FVT1-90°	1/4FVT1-90°-SS	1/4FVT1-90°-316SS	1/4FVT1-90°-NP	19/32	1 1/16	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		
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		
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		
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		
.170	1/4FVT4-90°	1/4FVT4-90°-SS	1/4FVT4-90°-316SS	1/4FVT4-90°-NP	19/32	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		
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		
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		
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		
5/8 / 8mm	1/4FVT7-90°	1/4FVT7-90°-SS	1/4FVT7-90°-316SS	1/4FVT7-90°-NP	15/16	1 1/16	3 1/32		
3/8	1/4FVT8-90°	1/4FVT8-90°-SS	1/4FVT8-90°-316SS	1/4FVT8-90°-NP	15/16	3/4	2 9/32		
1/2	1/4FVT10-90°	1/4FVT10-90°-SS	1/4FVT10-90°-316SS	1/4FVT10-90°-NP	15/16	1	1 1/4		


1/4FVT
5-90°

1/4FVT.045-90°

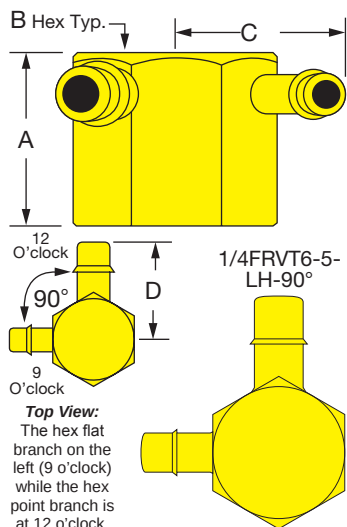
1/4FVT
3-90°

1/4FVT2-90°



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

580



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	
5/8 / 8mm	7	15/16	1 1/16	3 1/32	
3/8	8	15/16	3/4	7/8	
1/2	10	15/16	1	1 1/4	

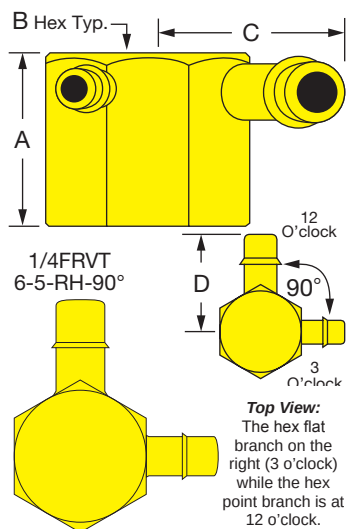
Material Options Listed Below!

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

Thread Size	1/4	FRTV	#	-	#	-	LH	-	90°	90° Indicator
Fitting Series			12 O'clock Branch #		9 O'clock Branch #		Left-Hand Indicator			

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

581



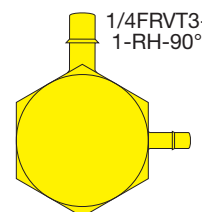
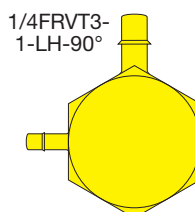
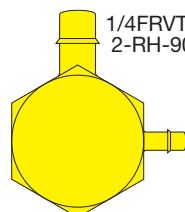
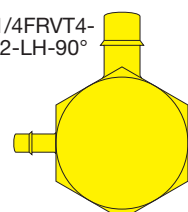
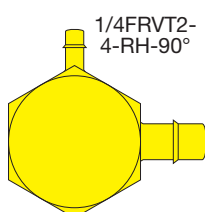
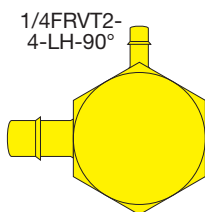
Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	19/32	1 1/16	1/2	Consult Factory Consult Factory
.040 / 1mm	.040	19/32	1 1/16	1/2	
3/64	.045	19/32	1 1/16	1/2	
.050	.050	19/32	1 1/16	1/2	
1/16	1	19/32	1 1/16	9/16	
5/64 / 2mm	2	19/32	1 1/16	9/16	
3/32	2 1/2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

Material Options Listed Below!

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

Thread Size	1/4	FRTV	#	-	#	-	RH	-	90°	90° Indicator
Fitting Series			12 O'clock Branch #		3 O'clock Branch #		Right-Hand Indicator			

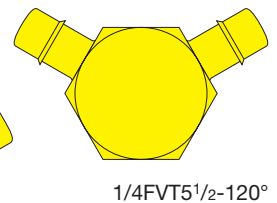
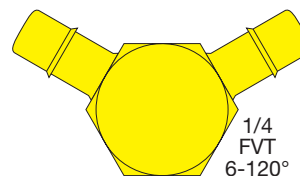
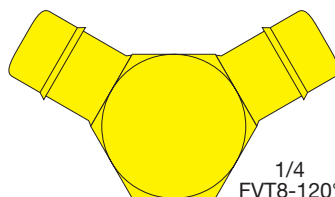
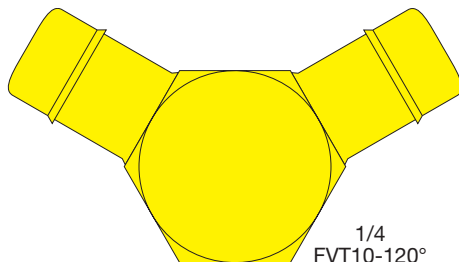
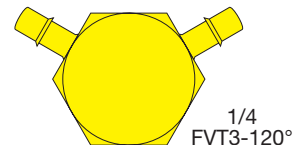
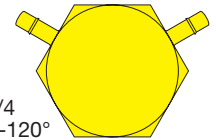
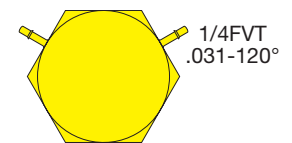
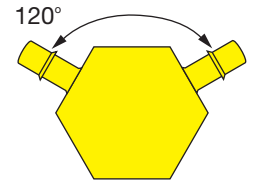
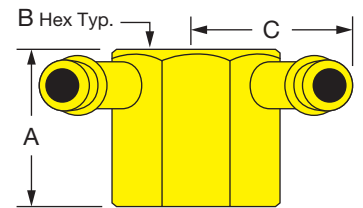


Unless otherwise specified, parts will be Brass. To order other materials, please add the following codes to the part number:
 -SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

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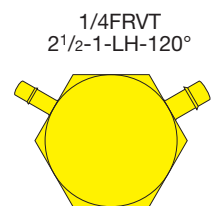
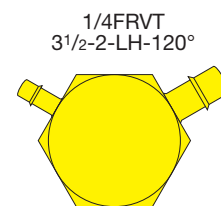
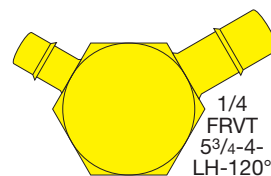
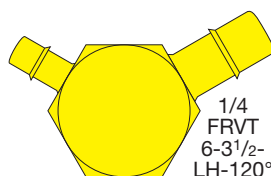
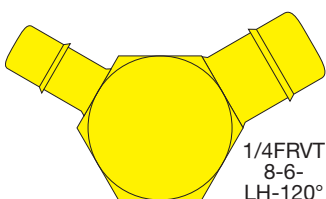
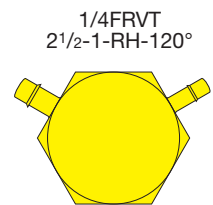
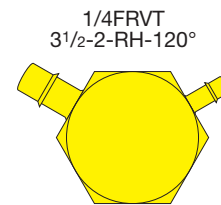
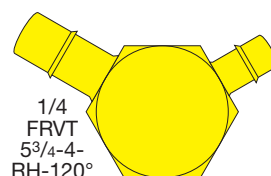
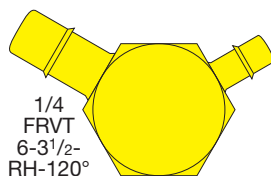
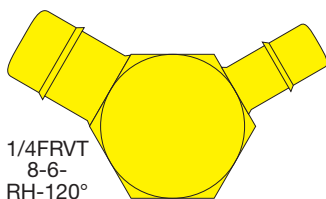
1/4 NPT Female Pipe Thread to Tube 120° V-Tees

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/4FVT.031-120°	1/4FVT.031-120°-SS	1/4FVT.031-120°-316SS	1/4FVT.031-120°-NP	19/32	11/16	1/2
.040 / 1mm	1/4FVT.040-120°	1/4FVT.040-120°-SS	1/4FVT.040-120°-316SS	1/4FVT.040-120°-NP	19/32	11/16	1/2
3/64	1/4FVT.045-120°	1/4FVT.045-120°-SS	1/4FVT.045-120°-316SS	1/4FVT.045-120°-NP	19/32	11/16	1/2
.050	1/4FVT.050-120°	1/4FVT.050-120°-SS	1/4FVT.050-120°-316SS	1/4FVT.050-120°-NP	19/32	11/16	1/2
1/16	1/4FVT1-120°	1/4FVT1-120°-SS	1/4FVT1-120°-316SS	1/4FVT1-120°-NP	19/32	11/16	9/16
5/64 / 2mm	1/4FVT2-120°	1/4FVT2-120°-SS	1/4FVT2-120°-316SS	1/4FVT2-120°-NP	19/32	11/16	9/16
3/32	1/4FVT2 1/2-120°	1/4FVT2 1/2-120°-SS	1/4FVT2 1/2-120°-316SS	1/4FVT2 1/2-120°-NP	19/32	11/16	9/16
1/8	1/4FVT3-120°	1/4FVT3-120°-SS	1/4FVT3-120°-316SS	1/4FVT3-120°-NP	19/32	11/16	21/32
5/32 / 4mm	1/4FVT3 1/2-120°	1/4FVT3 1/2-120°-SS	1/4FVT3 1/2-120°-316SS	1/4FVT3 1/2-120°-NP	19/32	11/16	21/32
.170	1/4FVT4-120°	1/4FVT4-120°-SS	1/4FVT4-120°-316SS	1/4FVT4-120°-NP	19/32	11/16	11/16
3/16	1/4FVT5-120°	1/4FVT5-120°-SS	1/4FVT5-120°-316SS	1/4FVT5-120°-NP	19/32	11/16	23/32
7/32	1/4FVT5 1/2-120°	1/4FVT5 1/2-120°-SS	1/4FVT5 1/2-120°-316SS	1/4FVT5 1/2-120°-NP	19/32	11/16	23/32
6mm	1/4FVT5 3/4-120°	1/4FVT5 3/4-120°-SS	1/4FVT5 3/4-120°-316SS	1/4FVT5 3/4-120°-NP	19/32	11/16	27/32
1/4	1/4FVT6-120°	1/4FVT6-120°-SS	1/4FVT6-120°-316SS	1/4FVT6-120°-NP	19/32	11/16	27/32
5/8 / 8mm	1/4FVT7-120°	1/4FVT7-120°-SS	1/4FVT7-120°-316SS	1/4FVT7-120°-NP	15/16	11/16	31/32
3/8	1/4FVT8-120°	1/4FVT8-120°-SS	1/4FVT8-120°-316SS	1/4FVT8-120°-NP	15/16	3/4	29/32
1/2	1/4FVT10-120°	1/4FVT10-120°-SS	1/4FVT10-120°-316SS	1/4FVT10-120°-NP	15/16	1	1 1/4



Note:
Dimensions may vary at
time of manufacturing.

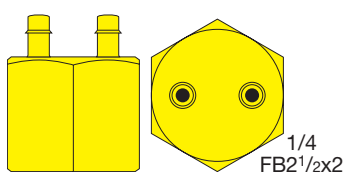
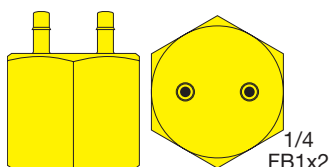
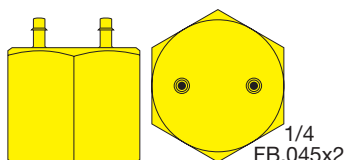
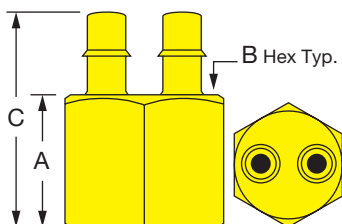
1/4 NPT Female Thread to Tube Custom 120° Reducing V-Tees Available! Consult Factory for Details!



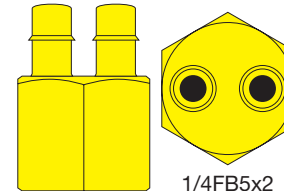
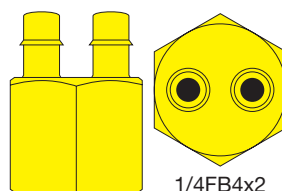
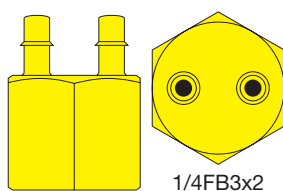


1/4 NPT Female Straight Manifolds with 2 Branches

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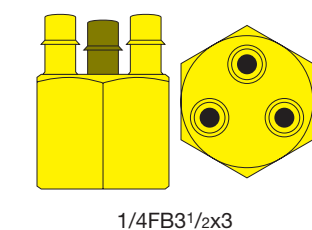
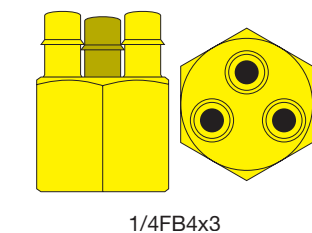
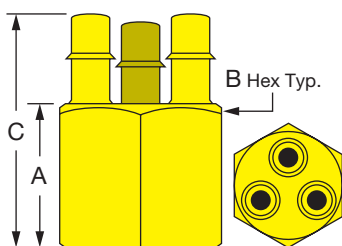


Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/4FB.031x2	1/4FB.031x2-SS	1/4FB.031x2-316SS	1/4FB.031x2-NP	1 9/32	1 1/16	3/4
.040 / 1 mm	1/4FB.040x2	1/4FB.040x2-SS	1/4FB.040x2-316SS	1/4FB.040x2-NP	1 9/32	1 1/16	3/4
3/64	1/4FB.045x2	1/4FB.045x2-SS	1/4FB.045x2-316SS	1/4FB.045x2-NP	1 9/32	1 1/16	3/4
.050	1/4FB.050x2	1/4FB.050x2-SS	1/4FB.050x2-316SS	1/4FB.050x2-NP	1 9/32	1 1/16	3/4
1/16	1/4FB1x2	1/4FB1x2-SS	1/4FB1x2-316SS	1/4FB1x2-NP	1 9/32	1 1/16	13/16
5/64 / 2 mm	1/4FB2x2	1/4FB2x2-SS	1/4FB2x2-316SS	1/4FB2x2-NP	1 9/32	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	1 9/32	1 1/16	13/16
1/8	1/4FB3x2	1/4FB3x2-SS	1/4FB3x2-316SS	1/4FB3x2-NP	1 9/32	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	1 9/32	1 1/16	29/32
.170	1/4FB4x2	1/4FB4x2-SS	1/4FB4x2-316SS	1/4FB4x2-NP	1 9/32	1 1/16	15/16
3/8	1/4FB5x2	1/4FB5x2-SS	1/4FB5x2-316SS	1/4FB5x2-NP	1 9/32	1 1/16	31/32

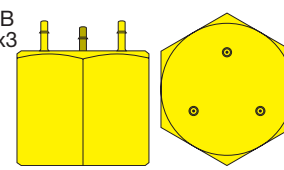
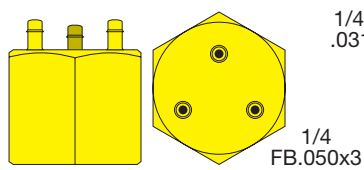
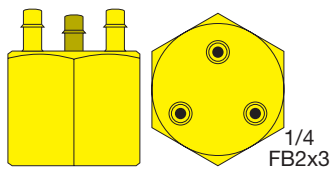


1/4 NPT Female Straight Manifolds with 3 Branches

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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	1/4FB.031x3	1/4FB.031x3-SS	1/4FB.031x3-316SS	1/4FB.031x3-NP	1 9/32	1 1/16	3/4
.040 / 1 mm	1/4FB.040x3	1/4FB.040x3-SS	1/4FB.040x3-316SS	1/4FB.040x3-NP	1 9/32	1 1/16	3/4
3/64	1/4FB.045x3	1/4FB.045x3-SS	1/4FB.045x3-316SS	1/4FB.045x3-NP	1 9/32	1 1/16	3/4
.050	1/4FB.050x3	1/4FB.050x3-SS	1/4FB.050x3-316SS	1/4FB.050x3-NP	1 9/32	1 1/16	3/4
1/16	1/4FB1x3	1/4FB1x3-SS	1/4FB1x3-316SS	1/4FB1x3-NP	1 9/32	1 1/16	13/16
5/64 / 2 mm	1/4FB2x3	1/4FB2x3-SS	1/4FB2x3-316SS	1/4FB2x3-NP	1 9/32	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	1 9/32	1 1/16	13/16
1/8	1/4FB3x3	1/4FB3x3-SS	1/4FB3x3-316SS	1/4FB3x3-NP	1 9/32	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	1 9/32	1 1/16	29/32
.170	1/4FB4x3	1/4FB4x3-SS	1/4FB4x3-316SS	1/4FB4x3-NP	1 9/32	1 1/16	15/16

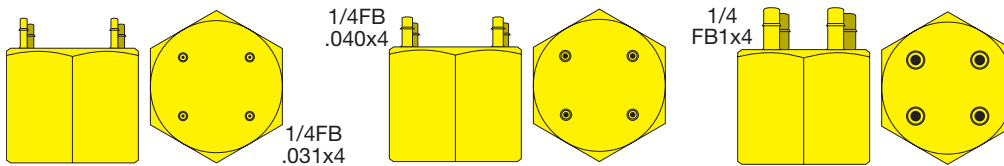
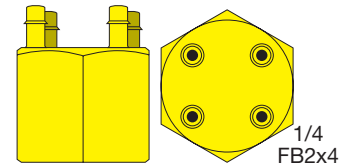
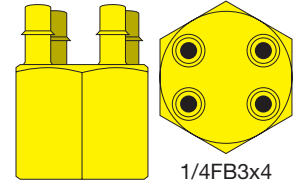
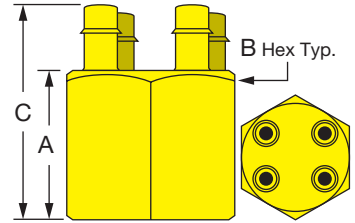


Customize your manifolds with alternate branch locations! Use the template on page 324!

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1/4 NPT Female Straight Manifolds with 4 Branches

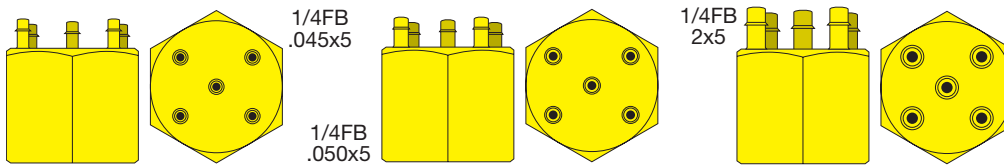
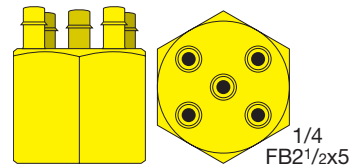
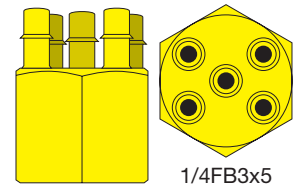
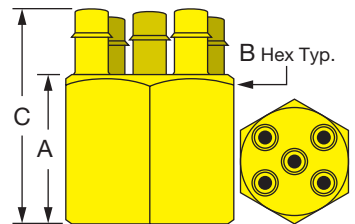
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	1/4FB.031x4	1/4FB.031x4-SS	1/4FB.031x4-316SS	1/4FB.031x4-NP	19/32	1 1/16	3/4
.040 / 1mm	1/4FB.040x4	1/4FB.040x4-SS	1/4FB.040x4-316SS	1/4FB.040x4-NP	19/32	1 1/16	3/4
3/64	1/4FB.045x4	1/4FB.045x4-SS	1/4FB.045x4-316SS	1/4FB.045x4-NP	19/32	1 1/16	3/4
.050	1/4FB.050x4	1/4FB.050x4-SS	1/4FB.050x4-316SS	1/4FB.050x4-NP	19/32	1 1/16	3/4
1/16	1/4FB1x4	1/4FB1x4-SS	1/4FB1x4-316SS	1/4FB1x4-NP	19/32	1 1/16	13/16
5/64 / 2mm	1/4FB2x4	1/4FB2x4-SS	1/4FB2x4-316SS	1/4FB2x4-NP	19/32	1 1/16	13/16
3/32	1/4FB2 1/2x4	1/4FB2 1/2x4-SS	1/4FB2 1/2x4-316SS	1/4FB2 1/2x4-NP	19/32	1 1/16	13/16
1/8	1/4FB3x4	1/4FB3x4-SS	1/4FB3x4-316SS	1/4FB3x4-NP	19/32	1 1/16	29/32



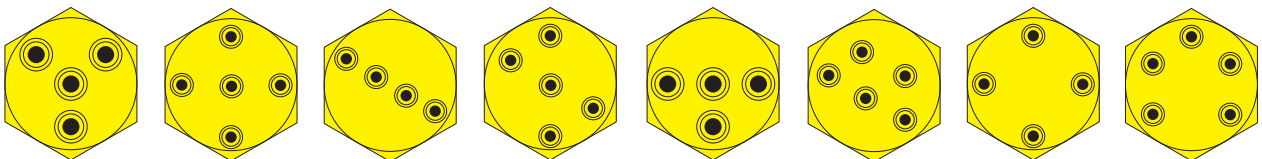
586

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	1 1/16	3/4
.040 / 1mm	1/4FB.040x5	1/4FB.040x5-SS	1/4FB.040x5-316SS	1/4FB.040x5-NP	19/32	1 1/16	3/4
3/64	1/4FB.045x5	1/4FB.045x5-SS	1/4FB.045x5-316SS	1/4FB.045x5-NP	19/32	1 1/16	3/4
.050	1/4FB.050x5	1/4FB.050x5-SS	1/4FB.050x5-316SS	1/4FB.050x5-NP	19/32	1 1/16	3/4
1/16	1/4FB1x5	1/4FB1x5-SS	1/4FB1x5-316SS	1/4FB1x5-NP	19/32	1 1/16	13/16
5/64 / 2mm	1/4FB2x5	1/4FB2x5-SS	1/4FB2x5-316SS	1/4FB2x5-NP	19/32	1 1/16	13/16
3/32	1/4FB2 1/2x5	1/4FB2 1/2x5-SS	1/4FB2 1/2x5-316SS	1/4FB2 1/2x5-NP	19/32	1 1/16	13/16
1/8	1/4FB3x5	1/4FB3x5-SS	1/4FB3x5-316SS	1/4FB3x5-NP	19/32	1 1/16	29/32



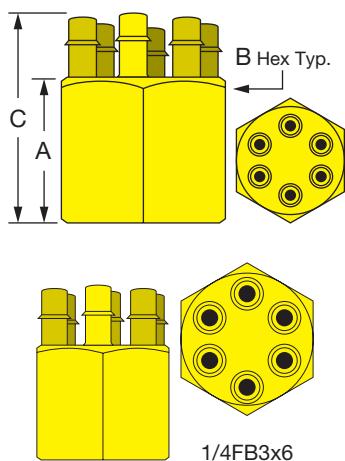
Customize Your Straight Manifolds with Alternate Branch Locations!!
Use the Template on Page 324 to Indicate Branch Placement!





1/4 NPT Female Straight Manifolds with 6 Branches

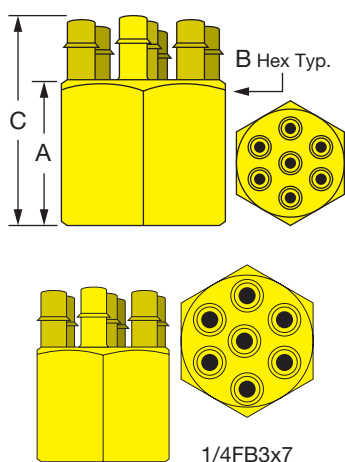
587



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	1 9/32	1 1/16	3/4
.040 / 1 mm	1/4FB.040x6	1/4FB.040x6-SS	1/4FB.040x6-316SS	1/4FB.040x6-NP	1 9/32	1 1/16	3/4
3/64	1/4FB.045x6	1/4FB.045x6-SS	1/4FB.045x6-316SS	1/4FB.045x6-NP	1 9/32	1 1/16	3/4
.050	1/4FB.050x6	1/4FB.050x6-SS	1/4FB.050x6-316SS	1/4FB.050x6-NP	1 9/32	1 1/16	3/4
1/16	1/4FB1x6	1/4FB1x6-SS	1/4FB1x6-316SS	1/4FB1x6-NP	1 9/32	1 1/16	13/16
5/64 / 2 mm	1/4FB2x6	1/4FB2x6-SS	1/4FB2x6-316SS	1/4FB2x6-NP	1 9/32	1 1/16	13/16
3/32	1/4FB2 1/2x6	1/4FB2 1/2x6-SS	1/4FB2 1/2x6-316SS	1/4FB2 1/2x6-NP	1 9/32	1 1/16	13/16
1/8	1/4FB3x6	1/4FB3x6-SS	1/4FB3x6-316SS	1/4FB3x6-NP	1 9/32	1 1/16	29/32

1/4 NPT Female Straight Manifolds with 7 Branches

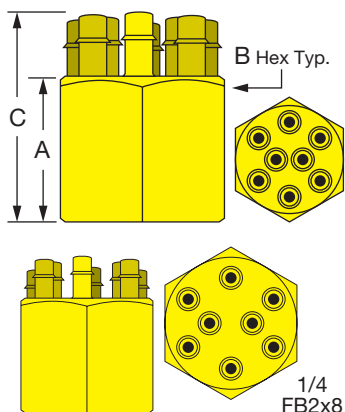
588



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	1 9/32	1 1/16	3/4
.040 / 1 mm	1/4FB.040x7	1/4FB.040x7-SS	1/4FB.040x7-316SS	1/4FB.040x7-NP	1 9/32	1 1/16	3/4
3/64	1/4FB.045x7	1/4FB.045x7-SS	1/4FB.045x7-316SS	1/4FB.045x7-NP	1 9/32	1 1/16	3/4
.050	1/4FB.050x7	1/4FB.050x7-SS	1/4FB.050x7-316SS	1/4FB.050x7-NP	1 9/32	1 1/16	3/4
1/16	1/4FB1x7	1/4FB1x7-SS	1/4FB1x7-316SS	1/4FB1x7-NP	1 9/32	1 1/16	13/16
5/64 / 2 mm	1/4FB2x7	1/4FB2x7-SS	1/4FB2x7-316SS	1/4FB2x7-NP	1 9/32	1 1/16	13/16
3/32	1/4FB2 1/2x7	1/4FB2 1/2x7-SS	1/4FB2 1/2x7-316SS	1/4FB2 1/2x7-NP	1 9/32	1 1/16	13/16
1/8	1/4FB3x7	1/4FB3x7-SS	1/4FB3x7-316SS	1/4FB3x7-NP	1 9/32	1 1/16	29/32

1/4 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.
1/32	1/4FB.031x8	1/4FB.031x8-SS	1/4FB.031x8-316SS	1/4FB.031x8-NP	1 9/32	1 1/16	3/4
.040 / 1 mm	1/4FB.040x8	1/4FB.040x8-SS	1/4FB.040x8-316SS	1/4FB.040x8-NP	1 9/32	1 1/16	3/4
3/64	1/4FB.045x8	1/4FB.045x8-SS	1/4FB.045x8-316SS	1/4FB.045x8-NP	1 9/32	1 1/16	3/4
.050	1/4FB.050x8	1/4FB.050x8-SS	1/4FB.050x8-316SS	1/4FB.050x8-NP	1 9/32	1 1/16	3/4
1/16	1/4FB1x8	1/4FB1x8-SS	1/4FB1x8-316SS	1/4FB1x8-NP	1 9/32	1 1/16	13/16
5/64 / 2 mm	1/4FB2x8	1/4FB2x8-SS	1/4FB2x8-316SS	1/4FB2x8-NP	1 9/32	1 1/16	13/16
3/32	1/4FB2 1/2x8	1/4FB2 1/2x8-SS	1/4FB2 1/2x8-316SS	1/4FB2 1/2x8-NP	1 9/32	1 1/16	13/16

Customize Your Straight Manifolds with Alternate Branch Locations!!
Use the Template on Page 324 to Indicate Branch Placement!

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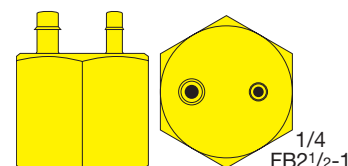
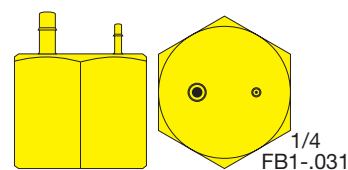
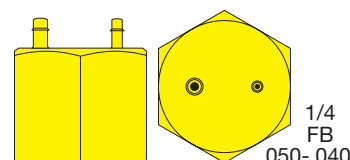
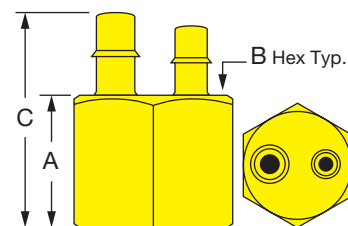
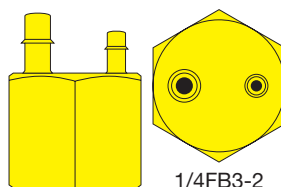
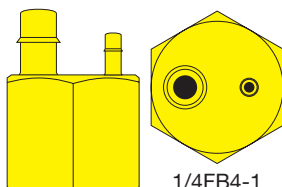
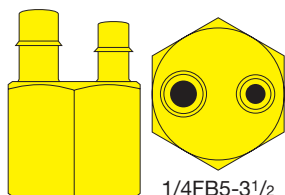
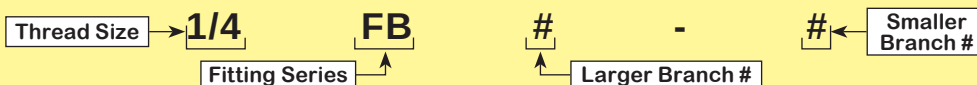
1/4 NPT Female Straight Reducing Manifolds with 2 Branches

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 Pipe Thread Reducing Manifolds with 2 Branches:



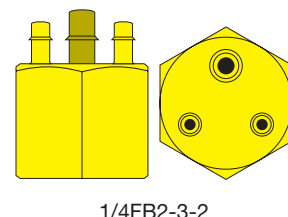
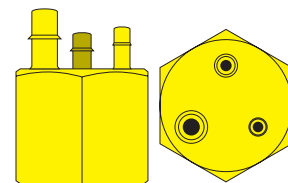
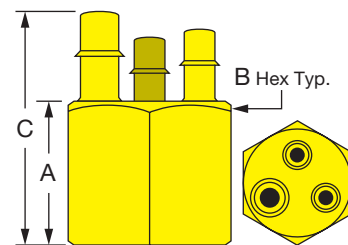
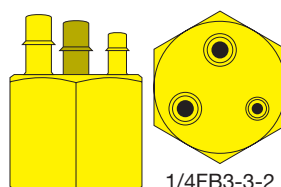
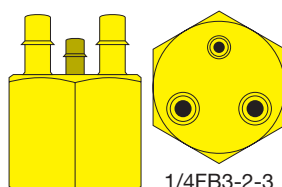
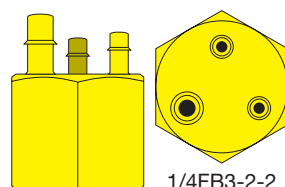
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1/4 NPT Female Straight Reducing Manifolds with 3 Branches

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

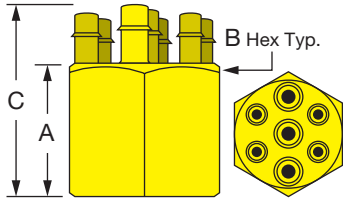
Part Numbers for 1/4 NPT Female Pipe Thread Reducing Manifolds with 3 Branches:


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 Your 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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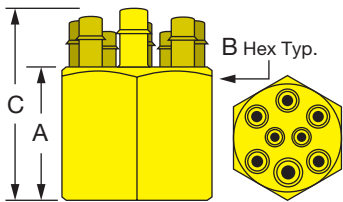
Use the template on below to indicate branch sizes & placement!

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!

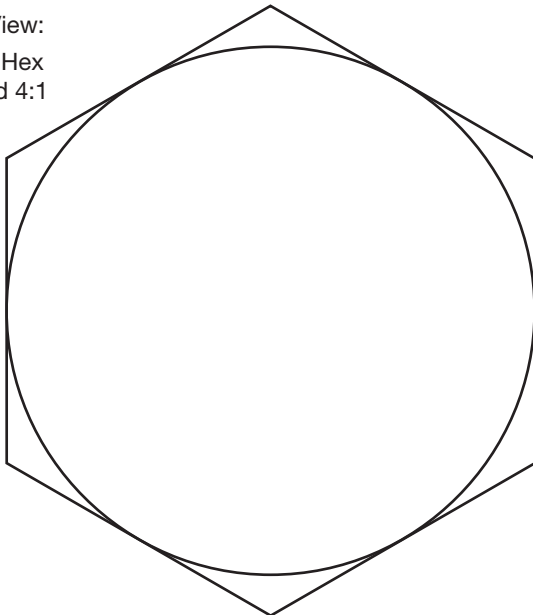
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/32	.031	1/2	9/16	11/16
.040 / 1mm	.040	1/2	9/16	11/16
3/64	.045	1/2	9/16	11/16
.050	.050	1/2	9/16	11/16

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.

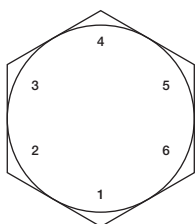
Consult factory for details!

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) = _____

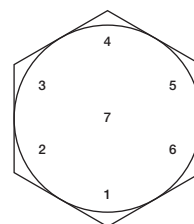
*Part numbers will vary depending on branch configuration

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)



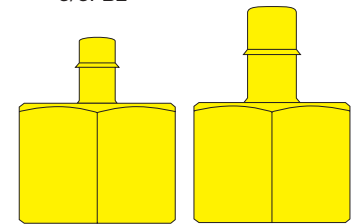
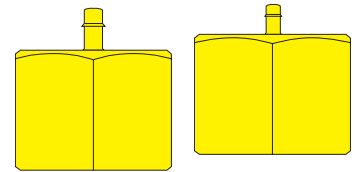
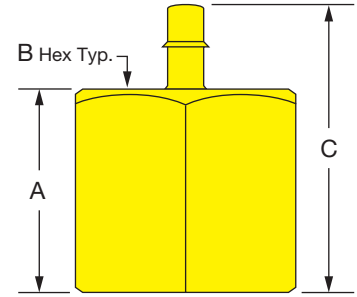
Branch Numbers:

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 Pipe Thread to Tube

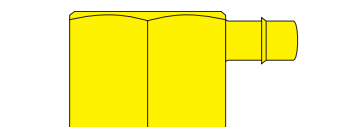
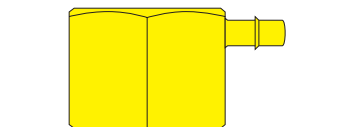
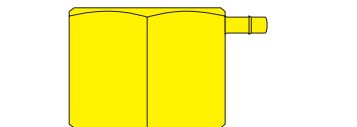
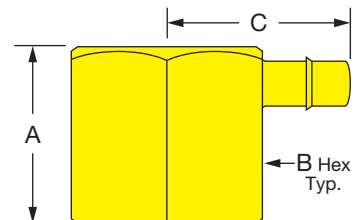
Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	3/8FB.031	3/8FB.031-SS	3/8FB.031-316SS	N/A	3/8FB.031-NP	5/8	13/16	25/32
.040 / 1mm	3/8FB.040	3/8FB.040-SS	3/8FB.040-316SS	N/A	3/8FB.040-NP	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
5/8 / 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



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3/8 NPT Female Pipe 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
5/8 / 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	1	1 1/4

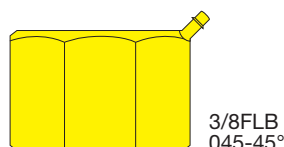
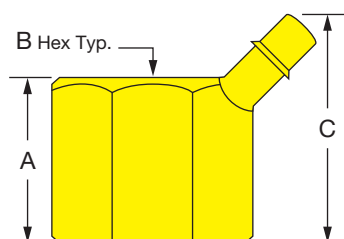
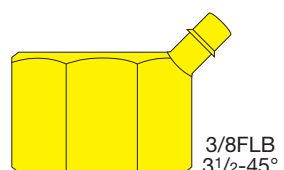
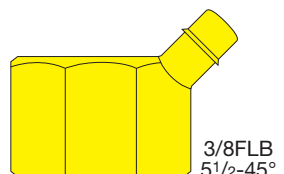


Note: Images are for visual representation only; not intended for dimensional measurements.



3/8 NPT Female Pipe Thread to Tube 45° Elbows

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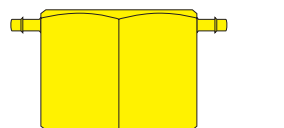
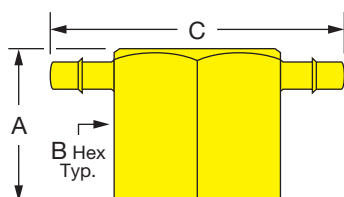
3/8FLB
.045-45°3/8FLB
3 1/2-45°3/8FLB
5 1/2-45°

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.031-45°	3/8FLB.031-45°-SS	3/8FLB.031-45°-316SS	3/8FLB.031-45°-NP	5/8	13/16	
.040 / 1mm	3/8FLB.040-45°	3/8FLB.040-45°-SS	3/8FLB.040-45°-316SS	3/8FLB.040-45°-NP	5/8	13/16	
3/64	3/8FLB.045-45°	3/8FLB.045-45°-SS	3/8FLB.045-45°-316SS	3/8FLB.045-45°-NP	5/8	13/16	
.050	3/8FLB.050-45°	3/8FLB.050-45°-SS	3/8FLB.050-45°-316SS	3/8FLB.050-45°-NP	5/8	13/16	
1/16	3/8FLB1-45°	3/8FLB1-45°-SS	3/8FLB1-45°-316SS	3/8FLB1-45°-NP	5/8	13/16	
5/64 / 2mm	3/8FLB2-45°	3/8FLB2-45°-SS	3/8FLB2-45°-316SS	3/8FLB2-45°-NP	5/8	13/16	
3/32	3/8FLB2 1/2-45°	3/8FLB2 1/2-45°-SS	3/8FLB2 1/2-45°-316SS	3/8FLB2 1/2-45°-NP	5/8	13/16	
1/8	3/8FLB3-45°	3/8FLB3-45°-SS	3/8FLB3-45°-316SS	3/8FLB3-45°-NP	5/8	13/16	
5/32 / 4mm	3/8FLB3 1/2-45°	3/8FLB3 1/2-45°-SS	3/8FLB3 1/2-45°-316SS	3/8FLB3 1/2-45°-NP	5/8	13/16	
.170	3/8FLB4-45°	3/8FLB4-45°-SS	3/8FLB4-45°-316SS	3/8FLB4-45°-NP	5/8	13/16	
3/16	3/8FLB5-45°	3/8FLB5-45°-SS	3/8FLB5-45°-316SS	3/8FLB5-45°-NP	5/8	13/16	
7/32	3/8FLB5 1/2-45°	3/8FLB5 1/2-45°-SS	3/8FLB5 1/2-45°-316SS	3/8FLB5 1/2-45°-NP	5/8	13/16	
6mm	3/8FLB5 3/4-45°	3/8FLB5 3/4-45°-SS	3/8FLB5 3/4-45°-316SS	3/8FLB5 3/4-45°-NP	5/8	13/16	
1/4	3/8FLB6-45°	3/8FLB6-45°-SS	3/8FLB6-45°-316SS	3/8FLB6-45°-NP	5/8	13/16	
5/8 / 8mm	3/8FLB7-45°	3/8FLB7-45°-SS	3/8FLB7-45°-316SS	3/8FLB7-45°-NP	15/16	13/16	
3/8	3/8FLB8-45°	3/8FLB8-45°-SS	3/8FLB8-45°-316SS	3/8FLB8-45°-NP	15/16	13/16	
1/2	3/8FLB10-45°	3/8FLB10-45°-SS	3/8FLB10-45°-316SS	3/8FLB10-45°-NP	15/16	1	

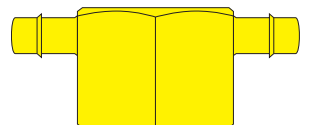
Consult Factory Consult Factory Consult Factory

3/8 NPT Female Pipe Thread to Tube Tees

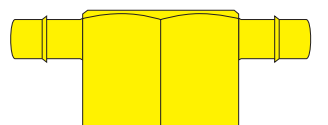
597



3/8FT.045



3/8FT4



3/8FLT5

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
5/8 / 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 1/2

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

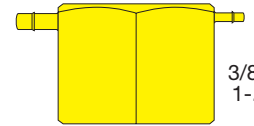
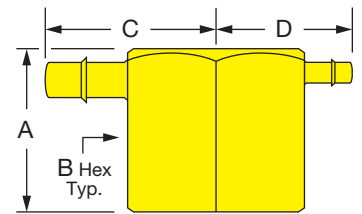
598

3/8 NPT Female Pipe Thread to Tube Reducing Tees

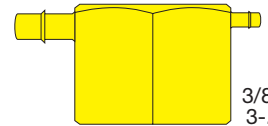
Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	5/8	13/16	9/16	9/16
.040 / 1mm	.040	5/8	13/16	9/16	9/16
3/64	.045	5/8	13/16	9/16	9/16
.050	.050	5/8	13/16	9/16	9/16
1/16	1	5/8	13/16	5/8	5/8
5/64 / 2mm	2	5/8	13/16	5/8	5/8
3/32	2 1/2	5/8	13/16	5/8	5/8
1/8	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
5/8 / 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	1	1 1/4	1 1/4

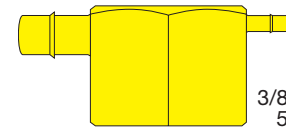
Material options listed below!



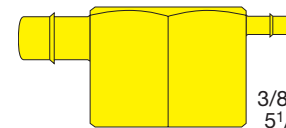
3/8FRT
1-.040



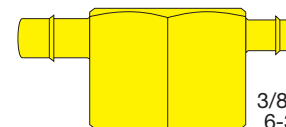
3/8FRT
3-.050



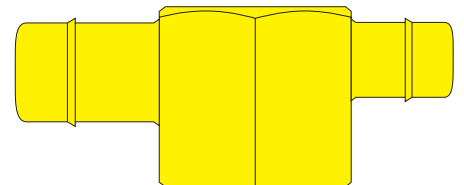
3/8FRT
5-1



3/8FRT
5 1/2-2



3/8FRT
6-3 1/2



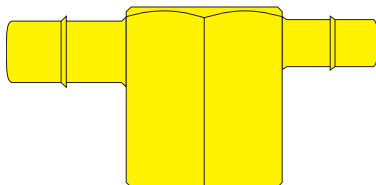
3/8FRT10-8

Part Numbers for 3/8 NPT Female Thread to Tube Reducing L-Tees:

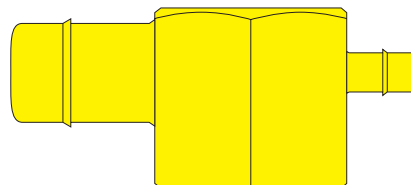
Thread Size → **3/8** **FRT** # - # ← Smaller Branch #

 Fitting Series ↑ Larger Branch #

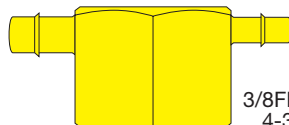
Unless otherwise specified, parts will be Brass. For other materials, add the following codes to the part number:
 -SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate



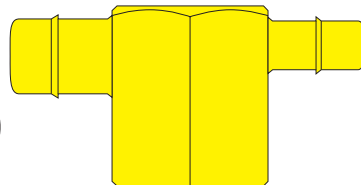
3/8FRT7-5 3/4



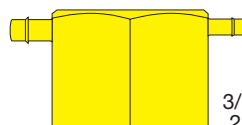
3/8FRT10-5



3/8FRT
4-3

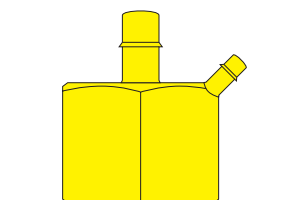
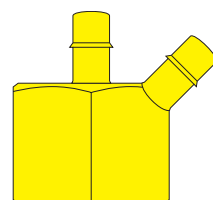
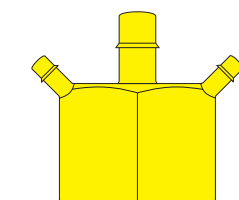
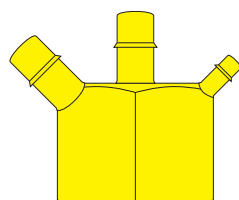
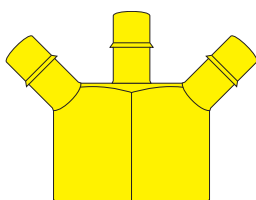
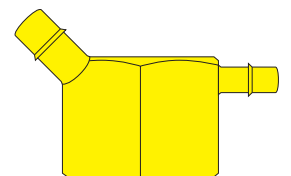
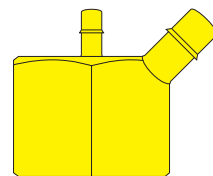
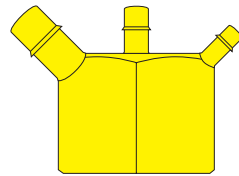
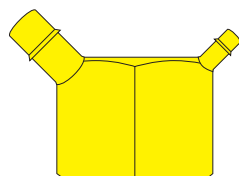
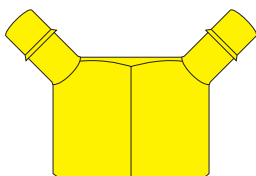


3/8FRT8-6



3/8FRT
2 1/2-1

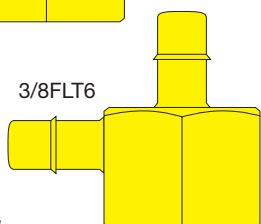
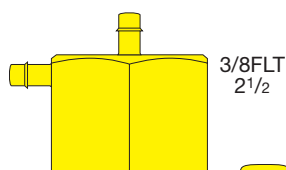
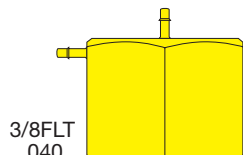
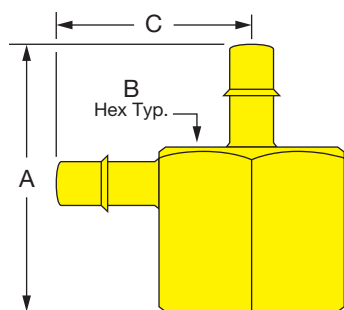
Custom 3/8 NPT Female Pipe Thread to Tube Fittings Available! Consult Factory for Details!





3/8 NPT Female Pipe Thread to Tube L-Tees

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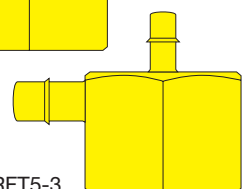
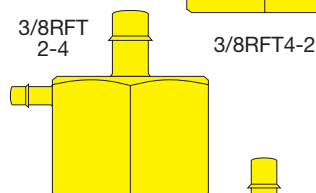
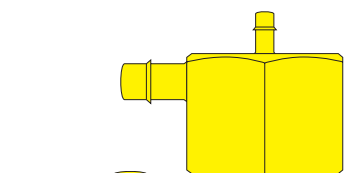
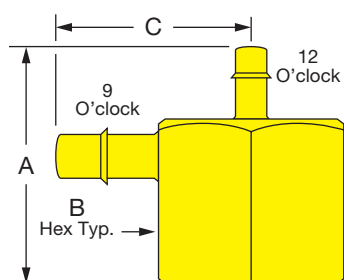


Note:
Dimensions
may vary
at time of
manufacturing.

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	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
5/8 / 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	1	1 1/4

3/8 NPT Female Pipe 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	5/8	13/16	9/16
.040 / 1mm	.040	5/8	13/16	9/16
3/64	.045	5/8	13/16	9/16
.050	.050	5/8	13/16	9/16
1/16	1	5/8	13/16	5/8
5/64 / 2mm	2	5/8	13/16	5/8
3/32	2 1/2	5/8	13/16	5/8
1/8	3	5/8	13/16	23/32
5/32 / 4mm	3 1/2	5/8	13/16	23/32

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
.170	4	5/8	13/16	3/4
3/16	5	5/8	13/16	25/32
7/32	5 1/2	5/8	13/16	25/32
6mm	5 3/4	5/8	13/16	29/32
1/4	6	5/8	13/16	29/32
5/8 / 8mm	7	15/16	13/16	1 1/32
3/8	8	15/16	13/16	15/16
1/2	10	15/16	1	1 1/4

Material options listed below!

Part Numbers for 3/8 NPT Female Thread to Tube Reducing L-Tees:

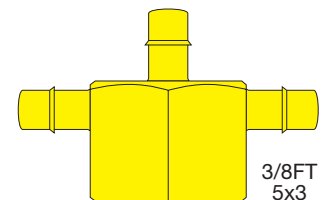
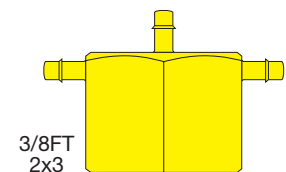
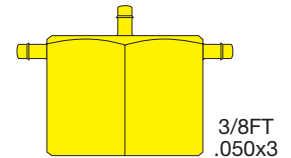
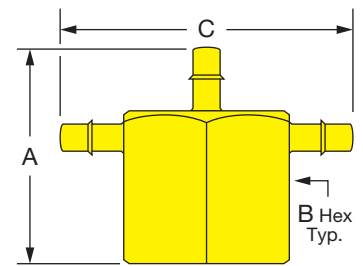
Thread Size	3/8	FRLT	#	-	#	12 O'clock Branch #
		Fitting Series				9 O'clock Branch #

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 Female Pipe 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	5/8	13/16	1 1/8
.040 / 1mm	3/8FT.040x3	3/8FT.040x3-SS	3/8FT.040x3-316SS	3/8FT.040x3-NP	5/8	13/16	1 1/8
3/64	3/8FT.045x3	3/8FT.045x3-SS	3/8FT.045x3-316SS	3/8FT.045x3-NP	5/8	13/16	1 1/8
.050	3/8FT.050x3	3/8FT.050x3-SS	3/8FT.050x3-316SS	3/8FT.050x3-NP	5/8	13/16	1 1/8
1/16	3/8FT1x3	3/8FT1x3-SS	3/8FT1x3-316SS	3/8FT1x3-NP	5/8	13/16	1 1/4
5/64 / 2mm	3/8FT2x3	3/8FT2x3-SS	3/8FT2x3-316SS	3/8FT2x3-NP	5/8	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	5/8	13/16	1 1/4
1/8	3/8FT3x3	3/8FT3x3-SS	3/8FT3x3-316SS	3/8FT3x3-NP	5/8	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	5/8	13/16	1 7/16
.170	3/8FT4x3	3/8FT4x3-SS	3/8FT4x3-316SS	3/8FT4x3-NP	5/8	13/16	1 1/2
3/16	3/8FT5x3	3/8FT5x3-SS	3/8FT5x3-316SS	3/8FT5x3-NP	5/8	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	5/8	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	5/8	13/16	1 13/16
1/4	3/8FT6x3	3/8FT6x3-SS	3/8FT6x3-316SS	3/8FT6x3-NP	5/8	13/16	1 13/16
5/8 / 8mm	3/8FT7x3	3/8FT7x3-SS	3/8FT7x3-316SS	3/8FT7x3-NP	1 1/16	13/16	2 1/16
3/8	3/8FT8x3	3/8FT8x3-SS	3/8FT8x3-316SS	3/8FT8x3-NP	1 1/32	13/16	1 7/8
1/2	3/8FT10x3	3/8FT10x3-SS	3/8FT10x3-316SS	3/8FT10x3-NP	1 1/16	1	2 1/2



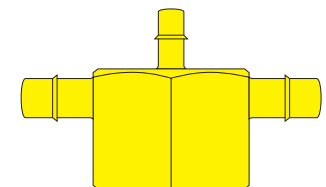
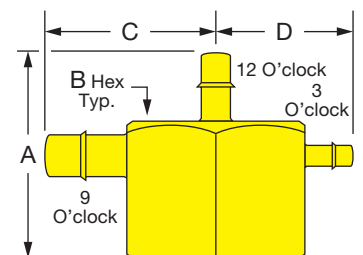
602

3/8 NPT Female Pipe Thread to Tube Custom Reducing Tees x 3

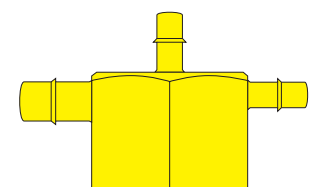
Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	5/8	13/16	9/16	9/16
.040 / 1mm	.040	5/8	13/16	9/16	9/16
3/64	.045	5/8	13/16	9/16	9/16
.050	.050	5/8	13/16	9/16	9/16
1/16	1	5/8	13/16	5/8	5/8
5/64 / 2mm	2	5/8	13/16	5/8	5/8
3/32	2 1/2	5/8	13/16	5/8	5/8
1/8	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
5/8 / 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	1	1 1/4	1 1/4

Material options listed below!

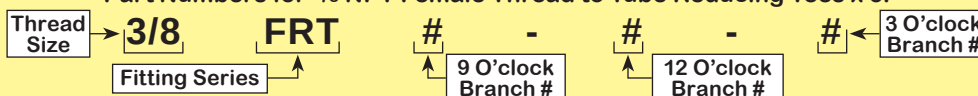


3/8FT5-3-5



3/8FT5-3-3

Part Numbers for 3/8 NPT Female Thread to Tube Reducing Tees x 3:



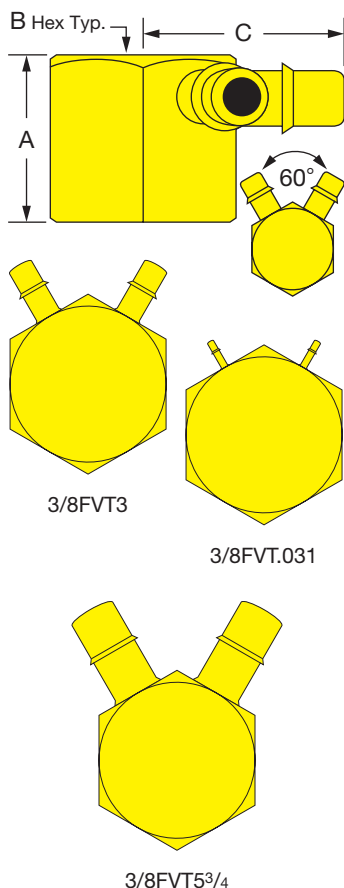
Unless otherwise specified, parts will be Brass. For other materials, add the following codes to the part number:
 -SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

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



3/8 NPT Female Pipe Thread to Tube V-Tees

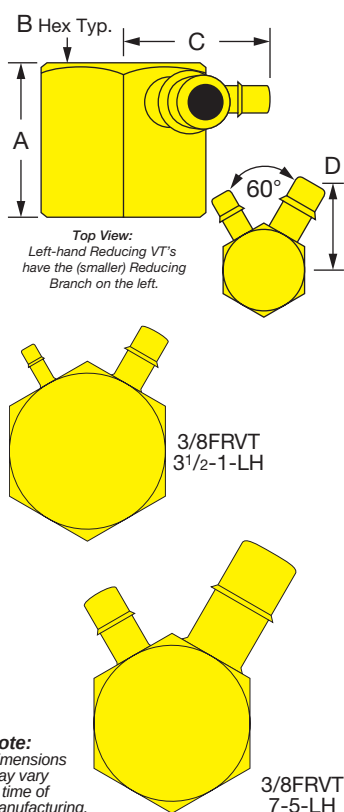
603



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
5/8 / 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	1	1 1/4

3/8 NPT Female Pipe 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
5/8 / 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	1	1 1/4	1 1/4

Material options listed below!

Part Numbers for 3/8 NPT Female Thread to Tube Reducing Left-Hand V-Tees:

Thread Size	3/8	RVT	#	-	#	-	LH	Left-Hand Indicator
		Fitting Series		Larger Branch #		Smaller Branch #		

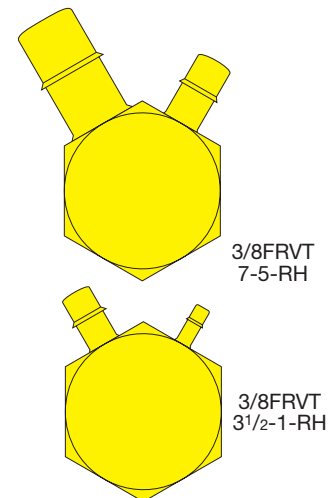
Unless otherwise specified, parts will be Brass. For other materials, add the following codes to the part number:
 -SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

Note:
Dimensions
may vary
at time of
manufacturing.

3/8 NPT Female Pipe Thread to Tube Reducing Right-Hand V-Tees

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
5/8 / 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	1	1 1/4	1 1/4

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



Thread Size → **3/8** → **RVT** → # - # - **RH** ← Right-Hand Indicator

Fitting Series Larger Branch # Smaller Branch #

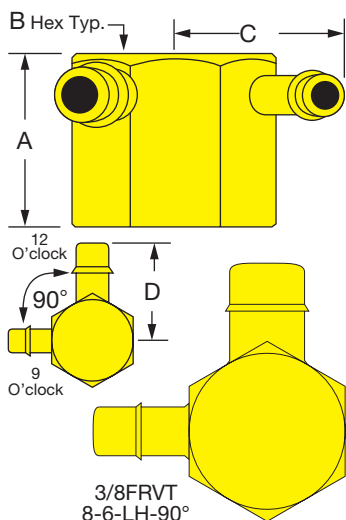
Unless otherwise specified, parts will be Brass. For other materials, add the following codes to the part number:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

3/8 NPT Female Pipe Thread to Tube 90° V-Tees



3/8 NPT Male Pipe Thread to Tube Reducing Left-Hand 90° V-Tees

607



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 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	
5/8 / 8mm	7	15/16	13/16	1 1/32	
3/8	8	15/16	13/16	15/16	
1/2	10	15/16	1	1 1/4	

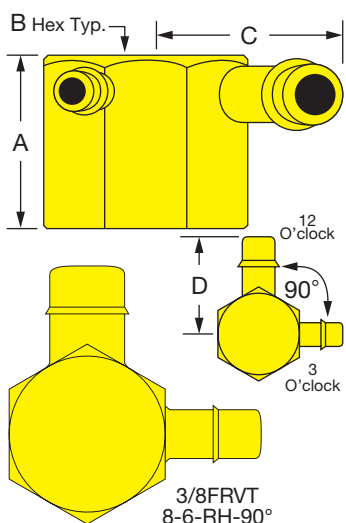
Material options listed below!

Part Numbers for 3/8 NPT Female Pipe Thread to Tube Reducing Left-Hand 90° V-Tees:

Thread Size → **3/8** Fitting Series → **FRVT** # → **12 O'clock (Hex Point) Branch #** - # → **9 O'clock (Hex Flat) Branch #** **LH** - **90°** ← **90° Indicator** ← **Left-Hand Indicator**

3/8 NPT Male Pipe Thread to Tube Reducing Right-Hand 90° V-Tees

608



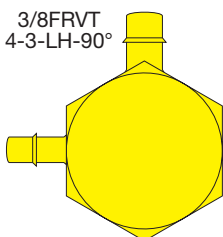
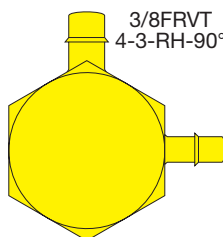
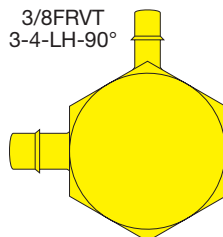
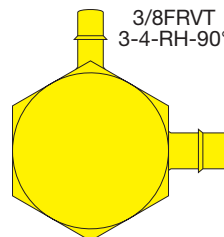
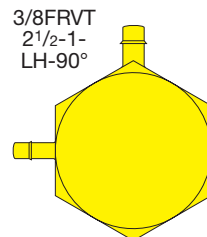
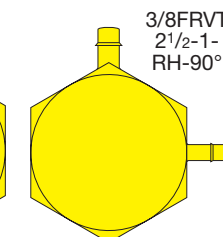
Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/32	.031	5/8	13/16	9/16	Consult Factory Consult Factory
.040 / 1mm	.040	5/8	13/16	9/16	
3/64	.045	5/8	13/16	9/16	
.050	.050	5/8	13/16	9/16	
1/16	1	5/8	13/16	5/8	
5/64 / 2mm	2	5/8	13/16	5/8	
3/32	2 1/2	5/8	13/16	5/8	
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 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	
5/8 / 8mm	7	15/16	13/16	1 1/32	
3/8	8	15/16	13/16	15/16	
1/2	10	15/16	1	1 1/4	

Material options listed below!

Part Numbers for 3/8 NPT Female Pipe Thread to Tube Reducing Right-Hand 90° V-Tees:

Thread Size → **3/8** Fitting Series → **FRVT** # → **12 O'clock (Hex Point) Branch #** - # → **3 O'clock (Hex Flat) Branch #** **RH** - **90°** ← **90° Indicator** ← **Right-Hand Indicator**

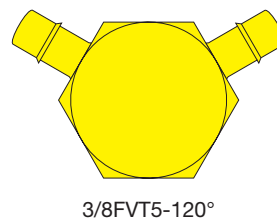
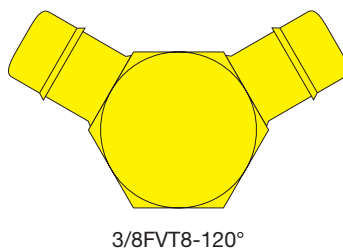
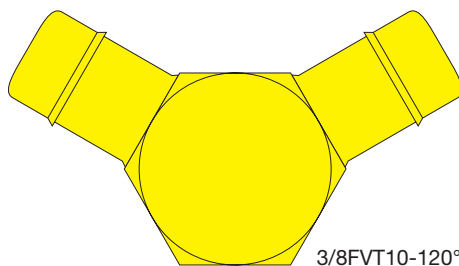
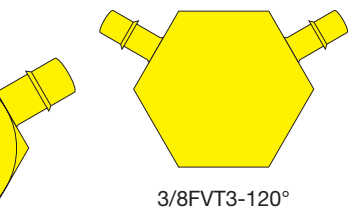
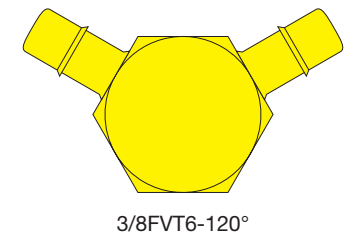
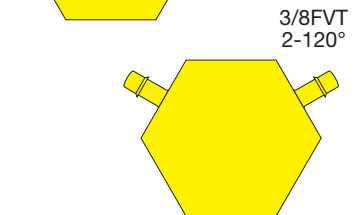
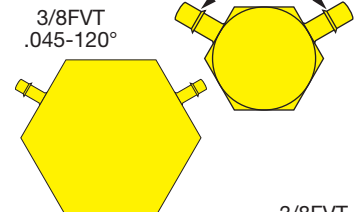
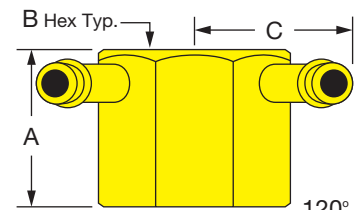
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4-3-RH-90°3/8FRVT
3-4-LH-90°3/8FRVT
3-4-RH-90°3/8FRVT
2 1/2-1-LH-90°3/8FRVT
2 1/2-1-RH-90°

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**

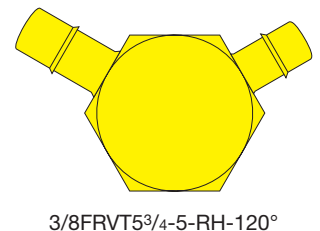
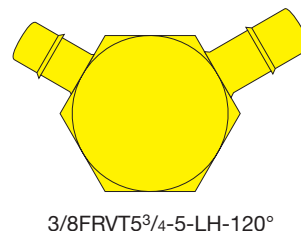
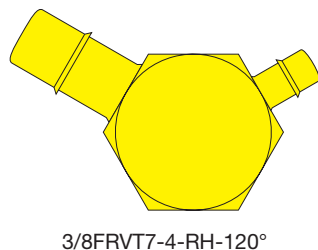
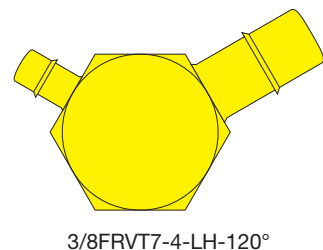
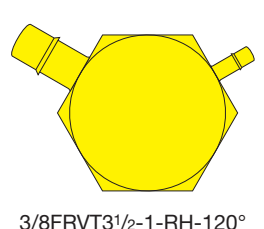
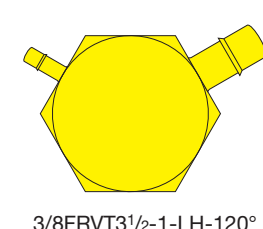
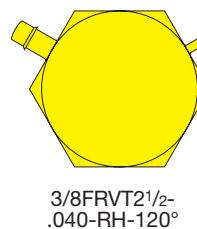
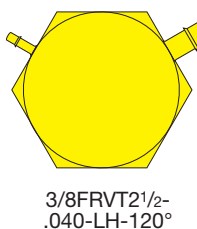
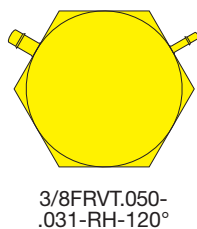
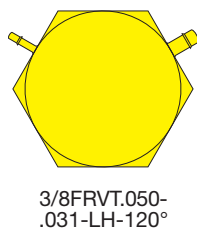
609

3/8 NPT Female Pipe 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
5/8 / 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	1	1 1/4



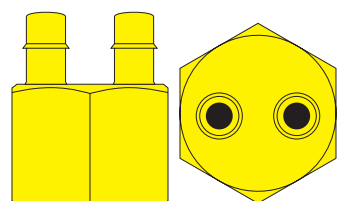
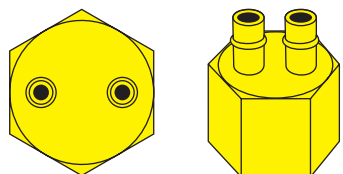
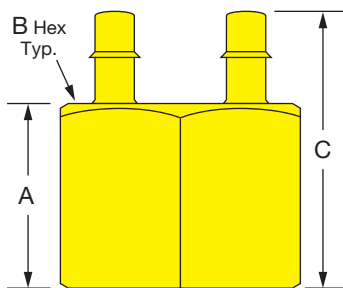
3/8 NPT Female Thread to Tube Custom 120° Reducing V-Tees Available! Consult Factory for Details!





3/8 NPT Female Straight Manifolds with 2 Branches

610

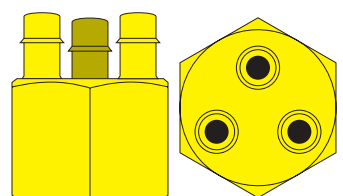
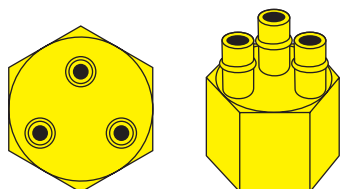
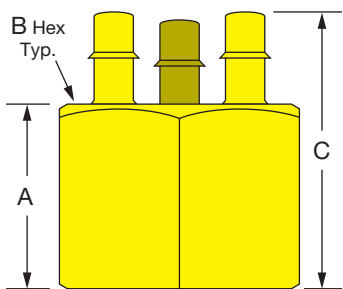


3/8FB5x2

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	3/8FB.031x2	3/8FB.031x2-SS	3/8FB.031x2-316SS	3/8FB.031x2-NP	5/8	13/16	25/32
.040 / 1mm	3/8FB.040x2	3/8FB.040x2-SS	3/8FB.040x2-316SS	3/8FB.040x2-NP	5/8	13/16	25/32
3/64	3/8FB.045x2	3/8FB.045x2-SS	3/8FB.045x2-316SS	3/8FB.045x2-NP	5/8	13/16	25/32
.050	3/8FB.050x2	3/8FB.050x2-SS	3/8FB.050x2-316SS	3/8FB.050x2-NP	5/8	13/16	25/32
1/16	3/8FB1x2	3/8FB1x2-SS	3/8FB1x2-316SS	3/8FB1x2-NP	5/8	13/16	27/32
5/64 / 2mm	3/8FB2x2	3/8FB2x2-SS	3/8FB2x2-316SS	3/8FB2x2-NP	5/8	13/16	27/32
3/32	3/8FB2 1/2x2	3/8FB2 1/2x2-SS	3/8FB2 1/2x2-316SS	3/8FB2 1/2x2-NP	5/8	13/16	27/32
1/8	3/8FB3x2	3/8FB3x2-SS	3/8FB3x2-316SS	3/8FB3x2-NP	5/8	13/16	15/16
5/32 / 4mm	3/8FB3 1/2x2	3/8FB3 1/2x2-SS	3/8FB3 1/2x2-316SS	3/8FB3 1/2x2-NP	5/8	13/16	15/16
.170	3/8FB4x2	3/8FB4x2-SS	3/8FB4x2-316SS	3/8FB4x2-NP	5/8	13/16	3/32
3/16	3/8FB5x2	3/8FB5x2-SS	3/8FB5x2-316SS	3/8FB5x2-NP	5/8	13/16	1
7/32	3/8FB5 1/2x2	3/8FB5 1/2x2-SS	3/8FB5 1/2x2-316SS	3/8FB5 1/2x2-NP	5/8	13/16	1
6mm	3/8FB5 3/4x2	3/8FB5 3/4x2-SS	3/8FB5 3/4x2-316SS	3/8FB5 3/4x2-NP	5/8	13/16	1 1/8
1/4	3/8FB6x2	3/8FB6x2-SS	3/8FB6x2-316SS	3/8FB6x2-NP	5/8	13/16	1 1/8

3/8 NPT Female Straight Manifolds with 3 Branches

611



3/8FB4x3

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	3/8FB.031x3	3/8FB.031x3-SS	3/8FB.031x3-316SS	3/8FB.031x3-NP	5/8	13/16	25/32
.040 / 1mm	3/8FB.040x3	3/8FB.040x3-SS	3/8FB.040x3-316SS	3/8FB.040x3-NP	5/8	13/16	25/32
3/64	3/8FB.045x3	3/8FB.045x3-SS	3/8FB.045x3-316SS	3/8FB.045x3-NP	5/8	13/16	25/32
.050	3/8FB.050x3	3/8FB.050x3-SS	3/8FB.050x3-316SS	3/8FB.050x3-NP	5/8	13/16	25/32
1/16	3/8FB1x3	3/8FB1x3-SS	3/8FB1x3-316SS	3/8FB1x3-NP	5/8	13/16	27/32
5/64 / 2mm	3/8FB2x3	3/8FB2x3-SS	3/8FB2x3-316SS	3/8FB2x3-NP	5/8	13/16	27/32
3/32	3/8FB2 1/2x3	3/8FB2 1/2x3-SS	3/8FB2 1/2x3-316SS	3/8FB2 1/2x3-NP	5/8	13/16	27/32
1/8	3/8FB3x3	3/8FB3x3-SS	3/8FB3x3-316SS	3/8FB3x3-NP	5/8	13/16	15/16
5/32 / 4mm	3/8FB3 1/2x3	3/8FB3 1/2x3-SS	3/8FB3 1/2x3-316SS	3/8FB3 1/2x3-NP	5/8	13/16	15/16
.170	3/8FB4x3	3/8FB4x3-SS	3/8FB4x3-316SS	3/8FB4x3-NP	5/8	13/16	3/32
3/16	3/8FB5x3	3/8FB5x3-SS	3/8FB5x3-316SS	3/8FB5x3-NP	5/8	13/16	1
7/32	3/8FB5 1/2x3	3/8FB5 1/2x3-SS	3/8FB5 1/2x3-316SS	3/8FB5 1/2x3-NP	5/8	13/16	1
6mm	3/8FB5 3/4x3	3/8FB5 3/4x3-SS	3/8FB5 3/4x3-316SS	3/8FB5 3/4x3-NP	5/8	13/16	1 1/8
1/4	3/8FB6x3	3/8FB6x3-SS	3/8FB6x3-316SS	3/8FB6x3-NP	5/8	13/16	1 1/8

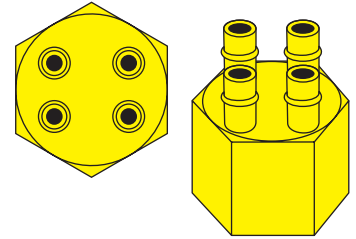
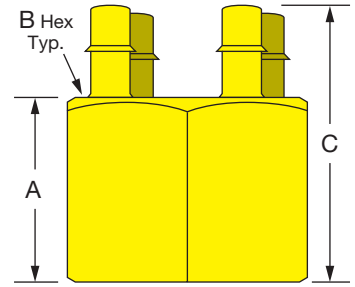
Note: Images are for visual representation only; not intended for dimensional measurements. Dimensions may vary at time of manufacturing.

Customize your manifolds with alternate branch locations! Use the template on page 339!

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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	5/8	13/16	25/32
.040 / 1mm	3/8FB.040x4	3/8FB.040x4-SS	3/8FB.040x4-316SS	3/8FB.040x4-NP	5/8	13/16	25/32
3/64	3/8FB.045x4	3/8FB.045x4-SS	3/8FB.045x4-316SS	3/8FB.045x4-NP	5/8	13/16	25/32
.050	3/8FB.050x4	3/8FB.050x4-SS	3/8FB.050x4-316SS	3/8FB.050x4-NP	5/8	13/16	25/32
1/16	3/8FB1x4	3/8FB1x4-SS	3/8FB1x4-316SS	3/8FB1x4-NP	5/8	13/16	27/32
5/64 / 2mm	3/8FB2x4	3/8FB2x4-SS	3/8FB2x4-316SS	3/8FB2x4-NP	5/8	13/16	27/32
3/32	3/8FB2 1/2x4	3/8FB2 1/2x4-SS	3/8FB2 1/2x4-316SS	3/8FB2 1/2x4-NP	5/8	13/16	27/32
1/8	3/8FB3x4	3/8FB3x4-SS	3/8FB3x4-316SS	3/8FB3x4-NP	5/8	13/16	15/16
5/32 / 4mm	3/8FB3 1/2x4	3/8FB3 1/2x4-SS	3/8FB3 1/2x4-316SS	3/8FB3 1/2x4-NP	5/8	13/16	15/16
.170	3/8FB4x4	3/8FB4x4-SS	3/8FB4x4-316SS	3/8FB4x4-NP	5/8	13/16	3/32
3/16	3/8FB5x4	3/8FB5x4-SS	3/8FB5x4-316SS	3/8FB5x4-NP	5/8	13/16	1
7/32	3/8FB5 1/2x4	3/8FB5 1/2x4-SS	3/8FB5 1/2x4-316SS	3/8FB5 1/2x4-NP	5/8	13/16	1

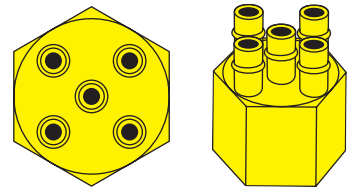
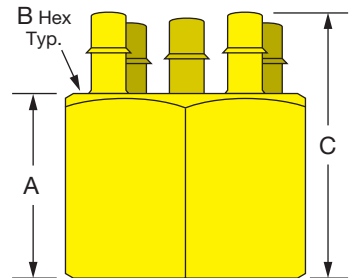


Customize your manifolds with alternate branch locations! Use the template on page 339!

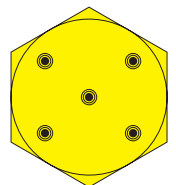
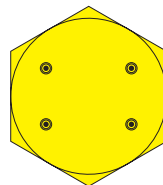
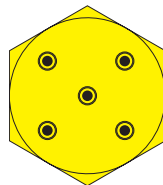
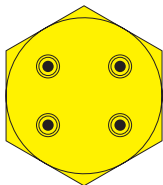
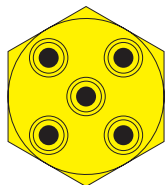
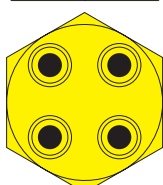
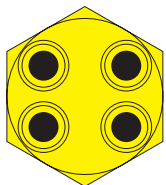
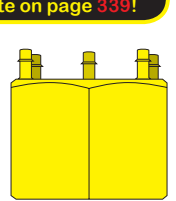
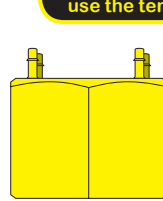
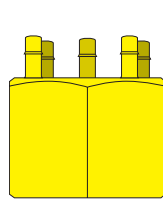
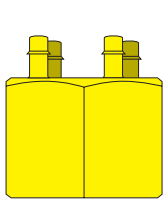
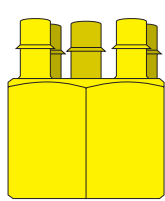
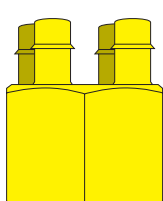
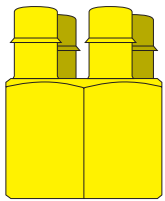
613

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	5/8	13/16	25/32
.040 / 1mm	3/8FB.040x5	3/8FB.040x5-SS	3/8FB.040x5-316SS	3/8FB.040x5-NP	5/8	13/16	25/32
3/64	3/8FB.045x5	3/8FB.045x5-SS	3/8FB.045x5-316SS	3/8FB.045x5-NP	5/8	13/16	25/32
.050	3/8FB.050x5	3/8FB.050x5-SS	3/8FB.050x5-316SS	3/8FB.050x5-NP	5/8	13/16	25/32
1/16	3/8FB1x5	3/8FB1x5-SS	3/8FB1x5-316SS	3/8FB1x5-NP	5/8	13/16	27/32
5/64 / 2mm	3/8FB2x5	3/8FB2x5-SS	3/8FB2x5-316SS	3/8FB2x5-NP	5/8	13/16	27/32
3/32	3/8FB2 1/2x5	3/8FB2 1/2x5-SS	3/8FB2 1/2x5-316SS	3/8FB2 1/2x5-NP	5/8	13/16	27/32
1/8	3/8FB3x5	3/8FB3x5-SS	3/8FB3x5-316SS	3/8FB3x5-NP	5/8	13/16	15/16
5/32 / 4mm	3/8FB3 1/2x5	3/8FB3 1/2x5-SS	3/8FB3 1/2x5-316SS	3/8FB3 1/2x5-NP	5/8	13/16	15/16



For alternate branch locations, use the template on page 339!



3/8FB5 1/2x4

3/8FB4x4

3/8FB3 1/2x5

3/8FB2x4

3/8FB1x5

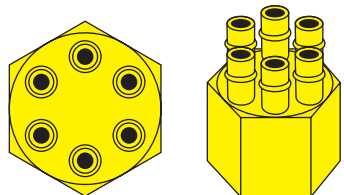
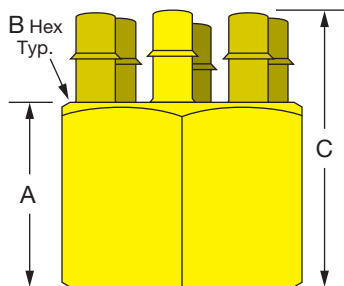
3/8FB.050x4

3/8FB.045x5



3/8 NPT Female Straight Manifolds with 6 Branches

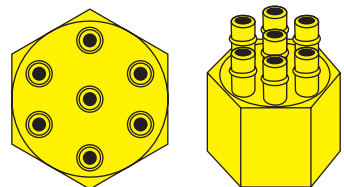
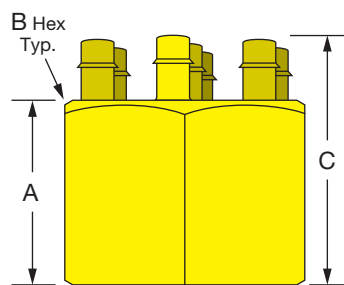
614



Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	3/8FB.031x6	3/8FB.031x6-SS	3/8FB.031x6-316SS	3/8FB.031x6-NP	5/8	13/16	25/32
.040 / 1mm	3/8FB.040x6	3/8FB.040x6-SS	3/8FB.040x6-316SS	3/8FB.040x6-NP	5/8	13/16	25/32
3/64	3/8FB.045x6	3/8FB.045x6-SS	3/8FB.045x6-316SS	3/8FB.045x6-NP	5/8	13/16	25/32
.050	3/8FB.050x6	3/8FB.050x6-SS	3/8FB.050x6-316SS	3/8FB.050x6-NP	5/8	13/16	25/32
1/16	3/8FB1x6	3/8FB1x6-SS	3/8FB1x6-316SS	3/8FB1x6-NP	5/8	13/16	27/32
5/64 / 2mm	3/8FB2x6	3/8FB2x6-SS	3/8FB2x6-316SS	3/8FB2x6-NP	5/8	13/16	27/32
3/32	3/8FB2 1/2x6	3/8FB2 1/2x6-SS	3/8FB2 1/2x6-316SS	3/8FB2 1/2x6-NP	5/8	13/16	27/32
1/8	3/8FB3x6	3/8FB3x6-SS	3/8FB3x6-316SS	3/8FB3x6-NP	5/8	13/16	15/16
5/32 / 4mm	3/8FB3 1/2x6	3/8FB3 1/2x6-SS	3/8FB3 1/2x6-316SS	3/8FB3 1/2x6-NP	5/8	13/16	15/16

3/8 NPT Female Pipe Thread to Tube Manifolds with 7 Branches

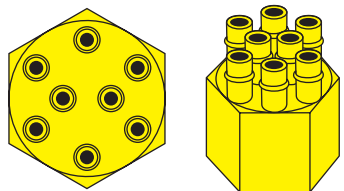
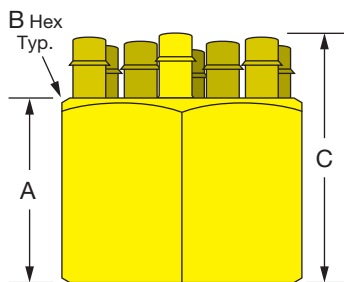
615



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	5/8	13/16	25/32
.040 / 1mm	3/8FB.040x7	3/8FB.040x7-SS	3/8FB.040x7-316SS	3/8FB.040x7-NP	5/8	13/16	25/32
3/64	3/8FB.045x7	3/8FB.045x7-SS	3/8FB.045x7-316SS	3/8FB.045x7-NP	5/8	13/16	25/32
.050	3/8FB.050x7	3/8FB.050x7-SS	3/8FB.050x7-316SS	3/8FB.050x7-NP	5/8	13/16	25/32
1/16	3/8FB1x7	3/8FB1x7-SS	3/8FB1x7-316SS	3/8FB1x7-NP	5/8	13/16	27/32
5/64 / 2mm	3/8FB2x7	3/8FB2x7-SS	3/8FB2x7-316SS	3/8FB2x7-NP	5/8	13/16	27/32
3/32	3/8FB2 1/2x7	3/8FB2 1/2x7-SS	3/8FB2 1/2x7-316SS	3/8FB2 1/2x7-NP	5/8	13/16	27/32
1/8	3/8FB3x7	3/8FB3x7-SS	3/8FB3x7-316SS	3/8FB3x7-NP	5/8	13/16	15/16

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	5/8	13/16	25/32
.040 / 1mm	3/8FB.040x8	3/8FB.040x8-SS	3/8FB.040x8-316SS	3/8FB.040x8-NP	5/8	13/16	25/32
3/64	3/8FB.045x8	3/8FB.045x8-SS	3/8FB.045x8-316SS	3/8FB.045x8-NP	5/8	13/16	25/32
.050	3/8FB.050x8	3/8FB.050x8-SS	3/8FB.050x8-316SS	3/8FB.050x8-NP	5/8	13/16	25/32
1/16	3/8FB1x8	3/8FB1x8-SS	3/8FB1x8-316SS	3/8FB1x8-NP	5/8	13/16	27/32
5/64 / 2mm	3/8FB2x8	3/8FB2x8-SS	3/8FB2x8-316SS	3/8FB2x8-NP	5/8	13/16	27/32
3/32	3/8FB2 1/2x8	3/8FB2 1/2x8-SS	3/8FB2 1/2x8-316SS	3/8FB2 1/2x8-NP	5/8	13/16	27/32

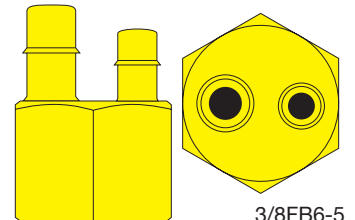
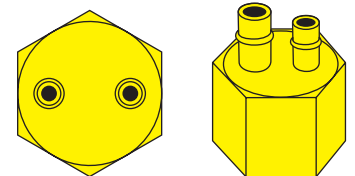
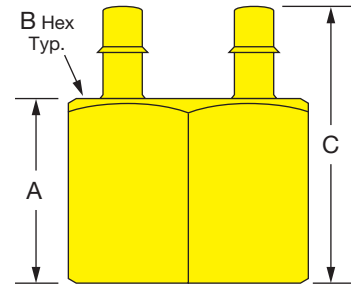
Customize your manifolds with alternate branch locations!
Use the template on page 339 to indicate branch placement!

Note:
Dimensions may vary at time of manufacturing.

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	5/8	13/16	25/32
.040 / 1mm	.040	5/8	13/16	25/32
3/64	.045	5/8	13/16	25/32
.050	.050	5/8	13/16	25/32
1/16	1	5/8	13/16	27/32
5/64 / 2mm	2	5/8	13/16	27/32
3/32	2 1/2	5/8	13/16	27/32

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/8	3	5/8	13/16	15/16
5/32 / 4mm	3 1/2	5/8	13/16	15/16
.170	4	5/8	13/16	31/32
3/16	5	5/8	13/16	1
7/32	5 1/2	5/8	13/16	1
6mm	5 3/4	5/8	13/16	1 1/8
1/4	6	5/8	13/16	1 1/8



3/8FB6-5

Part Numbers for 3/8 NPT Female Pipe Thread Reducing Manifolds with 2 Branches:

Thread Size → **3/8** **FB** # - # ← Smaller Branch #

Fitting Series Larger Branch #

Unless otherwise specified, parts will be Brass.

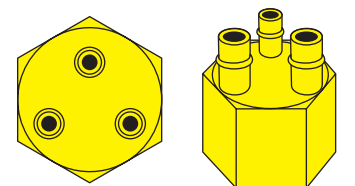
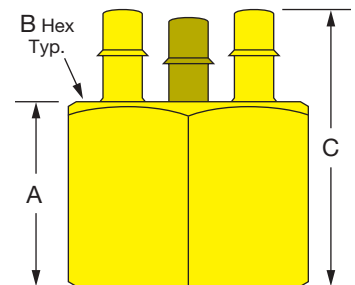
For other materials, add the following codes to the part number:

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

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	5/8	13/16	25/32
.040 / 1mm	.040	5/8	13/16	25/32
3/64	.045	5/8	13/16	25/32
.050	.050	5/8	13/16	25/32
1/16	1	5/8	13/16	27/32
5/64 / 2mm	2	5/8	13/16	27/32
3/32	2 1/2	5/8	13/16	27/32

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/8	3	5/8	13/16	15/16
5/32 / 4mm	3 1/2	5/8	13/16	15/16
.170	4	5/8	13/16	31/32
3/16	5	5/8	13/16	1
7/32	5 1/2	5/8	13/16	1
6mm	5 3/4	5/8	13/16	1 1/8
1/4	6	5/8	13/16	1 1/8

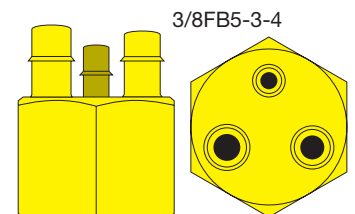
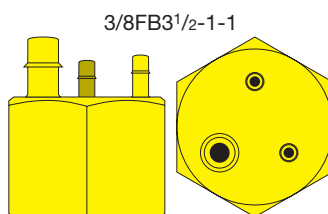
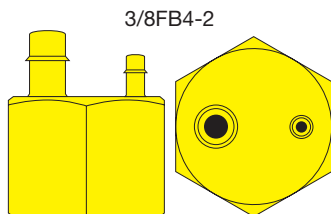
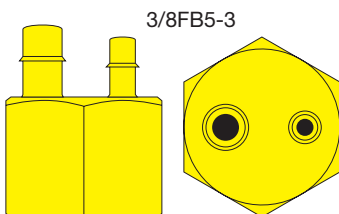


Part Numbers for 3/8 NPT Female Pipe Thread Reducing Manifolds with 3 Branches:

Thread Size → **3/8** → **FB** → # - # - # ← 3rd Branch #

Fitting Series 1st Branch # 2nd Branch #

Material options listed above!

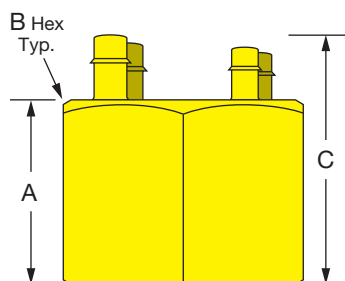


Customize your Straight Reducing Manifolds with alternate branch locations!!
Use the template on page 339 to indicate branch sizes and placement!



3/8 NPT Female Straight Reducing Manifolds with 4 Branches

619



Use the template on page 339 to indicate branch sizes & locations!

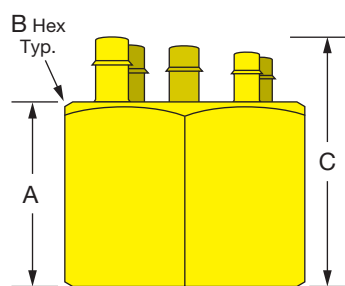
Material options listed on next page!

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/32	.031	5/8	13/16	25/32
.040 / 1mm	.040	5/8	13/16	25/32
3/64	.045	5/8	13/16	25/32
.050	.050	5/8	13/16	25/32
1/16	1	5/8	13/16	27/32
5/64 / 2mm	2	5/8	13/16	27/32

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
3/32	2 1/2	5/8	13/16	27/32
1/8	3	5/8	13/16	15/16
5/32 / 4mm	3 1/2	5/8	13/16	15/16
.170	4	5/8	13/16	31/32
3/16	5	5/8	13/16	1
7/32	5 1/2	5/8	13/16	1

3/8 NPT Female Pipe Thread to Tube Manifolds with 5 or 6 Branches

620



Use the template on page 339 to indicate branch sizes & locations!

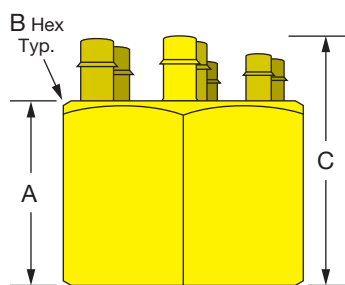
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/32	.031	5/8	13/16	25/32
.040 / 1mm	.040	5/8	13/16	25/32
3/64	.045	5/8	13/16	25/32
.050	.050	5/8	13/16	25/32
1/16	1	5/8	13/16	27/32

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
5/64 / 2mm	2	5/8	13/16	27/32
3/32	2 1/2	5/8	13/16	27/32
1/8	3	5/8	13/16	15/16
5/32 / 4mm	3 1/2	5/8	13/16	15/16

Material options listed on next page!

3/8 NPT Female Pipe Thread to Tube Manifolds with 7 Branches

621



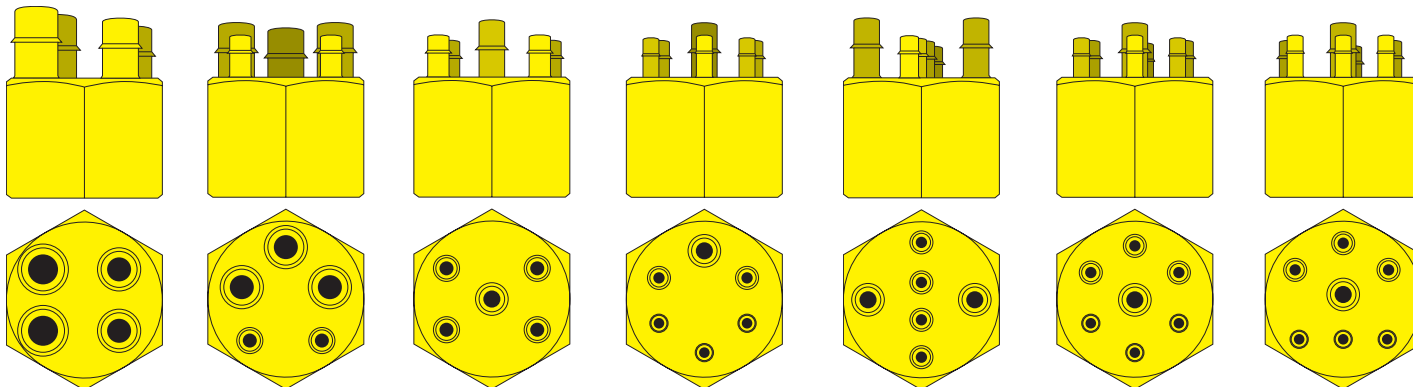
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/32	.031	5/8	13/16	25/32
.040 / 1mm	.040	5/8	13/16	25/32
3/64	.045	5/8	13/16	25/32
.050	.050	5/8	13/16	25/32

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/16	1	5/8	13/16	27/32
5/64 / 2mm	2	5/8	13/16	27/32
3/32	2 1/2	5/8	13/16	27/32
1/8	3	5/8	13/16	15/16

Note:
Dimensions may vary at time of manufacturing.

Use the template on page 339 to indicate branch sizes & locations!

Material options listed on next page!



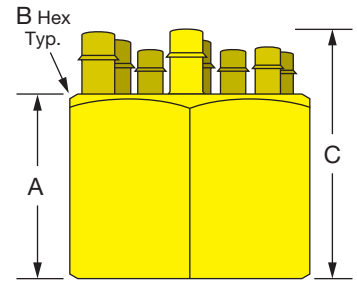
622

3/8 NPT Female Straight Reducing Manifolds with 8 Branches

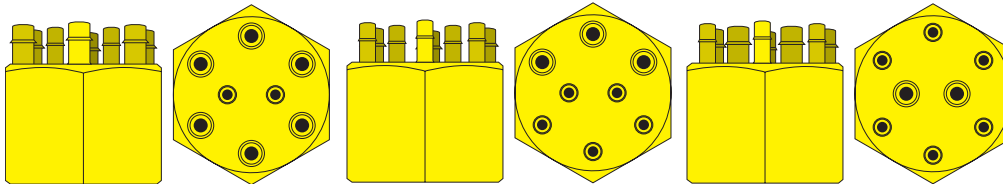
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/32	.031	5/8	13/16	25/32
.040 / 1mm	.040	5/8	13/16	25/32
3/64	.045	5/8	13/16	25/32
.050	.050	5/8	13/16	25/32

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/16	1	5/8	13/16	27/32
5/64 / 2mm	2	5/8	13/16	27/32
3/32	2 1/2	5/8	13/16	27/32

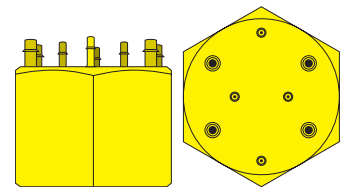
Material options listed below!



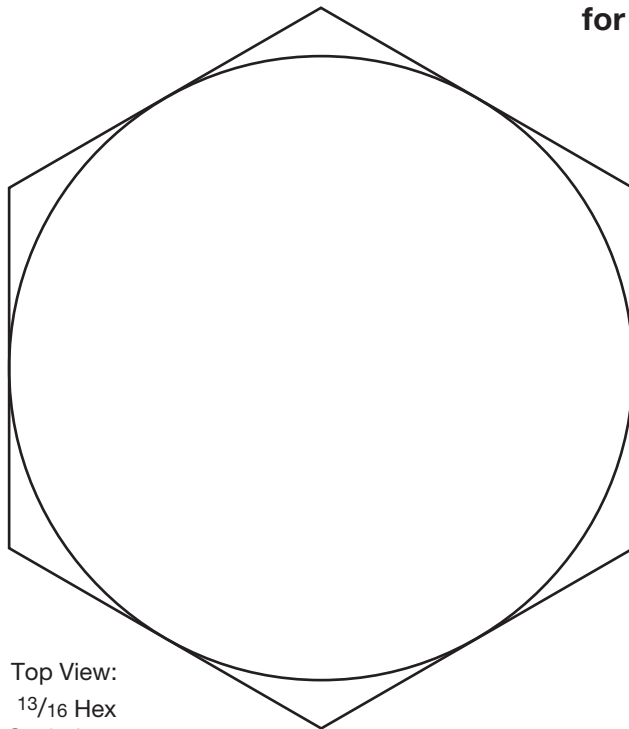
Use the template on page 339 to indicate branch sizes & locations!



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 334 and above for Branch Numbers and Tube ID's. Upon receipt of this template, a part number* will be issued. Note: The number of branches that will fit on the manifold hex will vary depending on the branch sizes desired.

Consult factory for details!

Branch Numbers:

1st Branch (1) = _____ 5th Branch (5) = _____

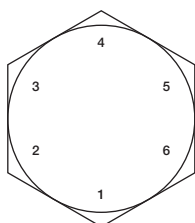
2nd Branch (2) = _____ 6th Branch (6) = _____

3rd Branch (3) = _____ 7th Branch (7) = _____

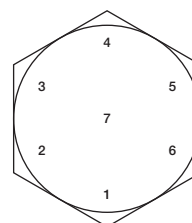
4th Branch (4) = _____ 8th Branch (8) = _____

*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)

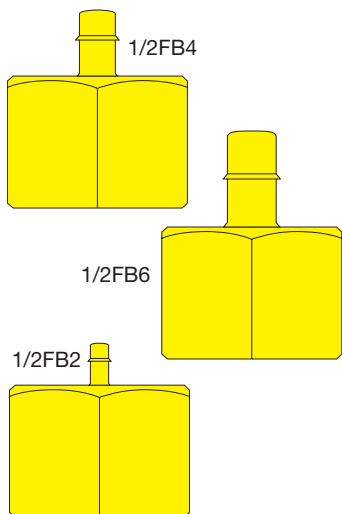
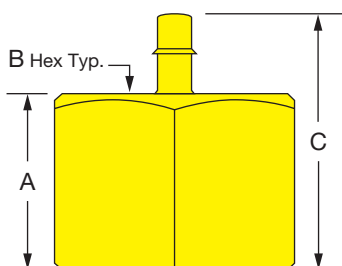


Branch Numbers:
 1st Branch (1) = 2 5th Branch (5) = 1
 2nd Branch (2) = 2 6th Branch (6) = .050
 3rd Branch (3) = 1 7th Branch (7) = 2 1/2
 4th Branch (4) = .050 8th Branch (8) = n/a
 Two #2 Branches (1st, 2nd) Two #1 Branches (3rd, 5th)
 Two #.050 Branches (4th, 6th) One 2 1/2 Branches (7th)



1/2 NPT Female Pipe Thread to Tube

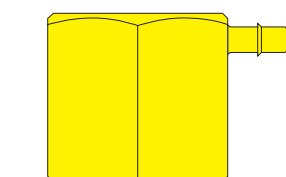
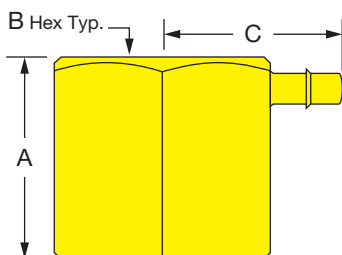
623



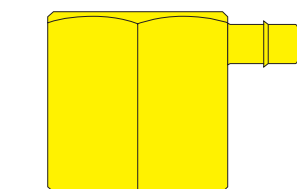
Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	1/2FB1	1/2FB1-SS	1/2FB1-316SS	1/2FB1-AL	1/2FB1-NP	1 1/16	15 1/16	29 3/32
5/64 / 2mm	1/2FB2	1/2FB2-SS	1/2FB2-316SS	1/2FB2-AL	1/2FB2-NP	1 1/16	15 1/16	29 3/32
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 1/16	29 3/32
1/8	1/2FB3	1/2FB3-SS	1/2FB3-316SS	1/2FB3-AL	1/2FB3-NP	1 1/16	15 1/16	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 1/16	1
.170	1/2FB4	1/2FB4-SS	1/2FB4-316SS	1/2FB4-AL	1/2FB4-NP	1 1/16	15 1/16	1
3/16	1/2FB5	1/2FB5-SS	1/2FB5-316SS	1/2FB5-AL	1/2FB5-NP	1 1/16	15 1/16	1 1/32
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 1/16	1 1/32
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 1/16	1 3/16
1/4	1/2FB6	1/2FB6-SS	1/2FB6-316SS	1/2FB6-AL	1/2FB6-NP	1 1/16	15 1/16	1 3/16
5/8 / 8mm	1/2FB7	1/2FB7-SS	1/2FB7-316SS	1/2FB7-AL	1/2FB7-NP	1 1/16	15 1/16	1 5/16
3/8	1/2FB8	1/2FB8-SS	1/2FB8-316SS	1/2FB8-AL	1/2FB8-NP	1 1/16	15 1/16	1 7/32
1/2	1/2FB10	1/2FB10-SS	1/2FB10-316SS	1/2FB10-AL	1/2FB10-NP	1 1/16	15 1/16	1 7/16
5/8	1/2FB11	1/2FB11-SS	1/2FB11-316SS	1/2FB11-AL	1/2FB11-NP	1 1/16	15 1/16	1.91
3/4	1/2FB12	1/2FB12-SS	1/2FB12-316SS	1/2FB12-AL	1/2FB12-NP	1 1/16	15 1/16	1.91

1/2 NPT Female Pipe Thread to Tube Elbows

624



1/2FLB3



1/2FLB5

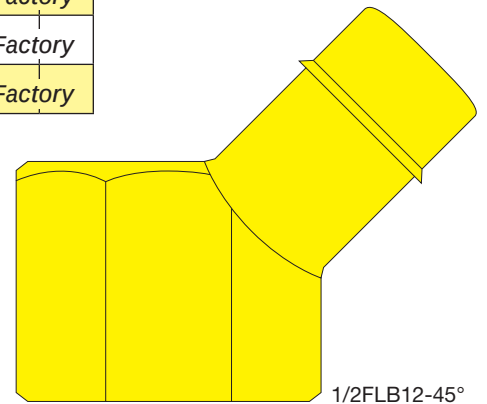
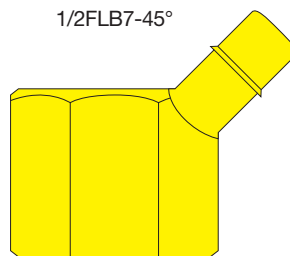
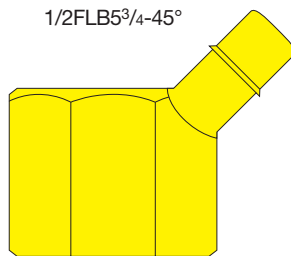
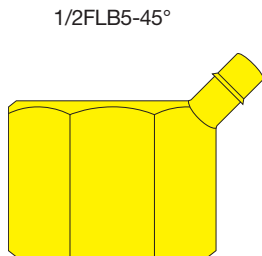
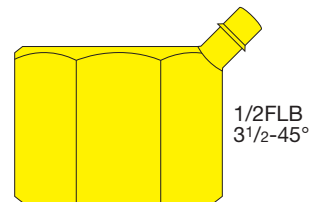
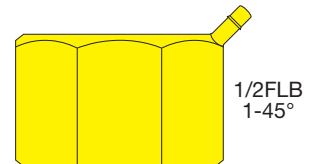
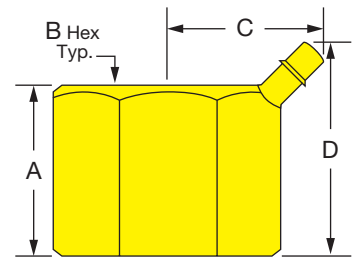
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	1/2FLB1	1/2FLB1-SS	1/2FLB1-316SS	1/2FLB1-NP	Consult Factory	15 1/16	1 1/16
5/64 / 2mm	1/2FLB2	1/2FLB2-SS	1/2FLB2-316SS	1/2FLB2-NP		15 1/16	1 1/16
3/32	1/2FLB2 1/2	1/2FLB2 1/2-SS	1/2FLB2 1/2-316SS	1/2FLB2 1/2-NP		15 1/16	1 1/16
1/8	1/2FLB3	1/2FLB3-SS	1/2FLB3-316SS	1/2FLB3-NP		15 1/16	25 3/32
5/32 / 4mm	1/2FLB3 1/2	1/2FLB3 1/2-SS	1/2FLB3 1/2-316SS	1/2FLB3 1/2-NP		15 1/16	25 3/32
.170	1/2FLB4	1/2FLB4-SS	1/2FLB4-316SS	1/2FLB4-NP		15 1/16	25 3/32
3/16	1/2FLB5	1/2FLB5-SS	1/2FLB5-316SS	1/2FLB5-NP		15 1/16	27 3/32
7/32	1/2FLB5 1/2	1/2FLB5 1/2-SS	1/2FLB5 1/2-316SS	1/2FLB5 1/2-NP		15 1/16	27 3/32
6mm	1/2FLB5 3/4	1/2FLB5 3/4-SS	1/2FLB5 3/4-316SS	1/2FLB5 3/4-NP		15 1/16	3 1/32
1/4	1/2FLB6	1/2FLB6-SS	1/2FLB6-316SS	1/2FLB6-NP		15 1/16	3 1/32
5/8 / 8mm	1/2FLB7	1/2FLB7-SS	1/2FLB7-316SS	1/2FLB7-NP		15 1/16	1 3/32
3/8	1/2FLB8	1/2FLB8-SS	1/2FLB8-316SS	1/2FLB8-NP		15 1/16	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.

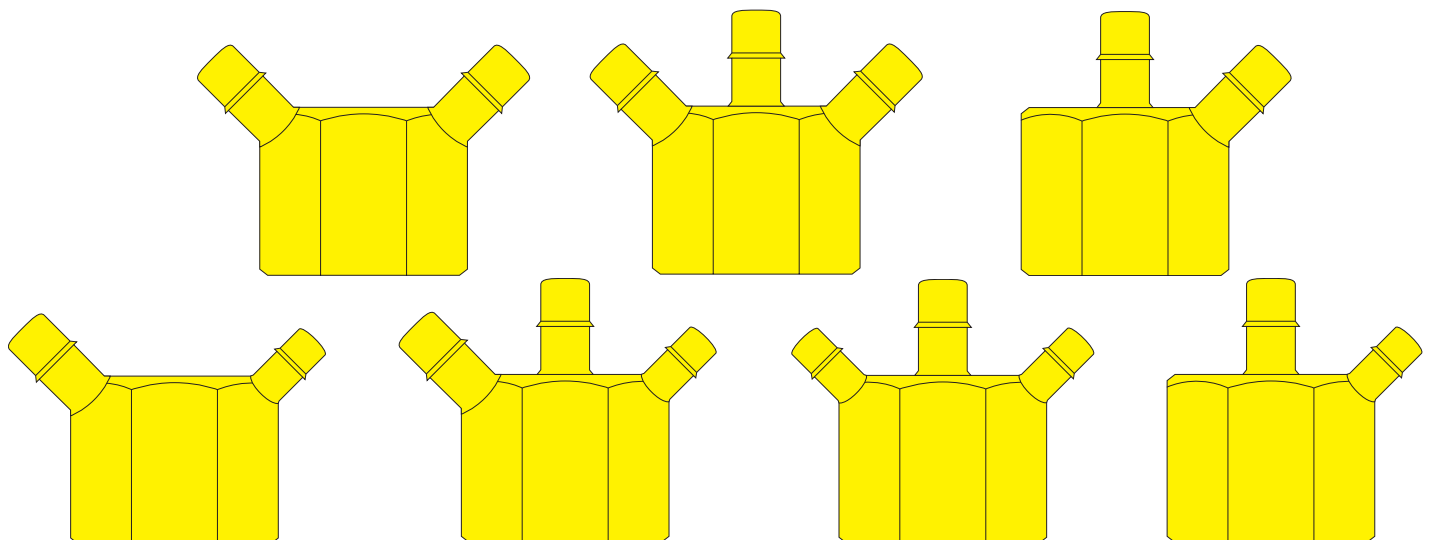
625

1/2 NPT Female Pipe 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	Consult Factory	15/16	Consult Factory	Consult Factory
5/64 / 2mm	1/2FLB2-45°	1/2FLB2-45°-SS	1/2FLB2-45°-316SS	1/2FLB2-45°-NP	Consult Factory	15/16	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	Consult Factory	15/16	Consult Factory	Consult Factory
1/8	1/2FLB3-45°	1/2FLB3-45°-SS	1/2FLB3-45°-316SS	1/2FLB3-45°-NP	Consult Factory	15/16	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	Consult Factory	15/16	Consult Factory	Consult Factory
.170	1/2FLB4-45°	1/2FLB4-45°-SS	1/2FLB4-45°-316SS	1/2FLB4-45°-NP	Consult Factory	15/16	Consult Factory	Consult Factory
3/16	1/2FLB5-45°	1/2FLB5-45°-SS	1/2FLB5-45°-316SS	1/2FLB5-45°-NP	Consult Factory	15/16	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	Consult Factory	15/16	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	Consult Factory	15/16	Consult Factory	Consult Factory
1/4	1/2FLB6-45°	1/2FLB6-45°-SS	1/2FLB6-45°-316SS	1/2FLB6-45°-NP	Consult Factory	15/16	Consult Factory	Consult Factory
5/8 / 8mm	1/2FLB7-45°	1/2FLB7-45°-SS	1/2FLB7-45°-316SS	1/2FLB7-45°-NP	Consult Factory	15/16	Consult Factory	Consult Factory
3/8	1/2FLB8-45°	1/2FLB8-45°-SS	1/2FLB8-45°-316SS	1/2FLB8-45°-NP	Consult Factory	15/16	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			



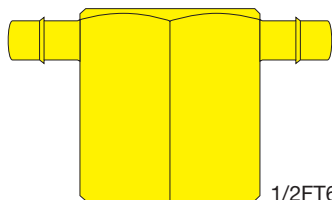
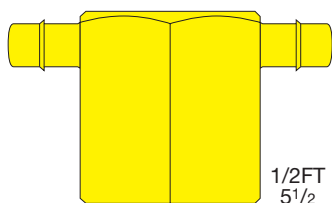
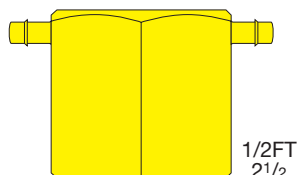
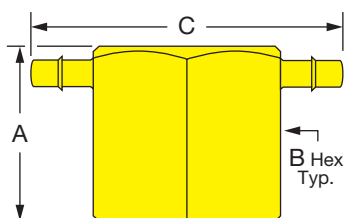
Custom 1/2 NPT Female Pipe Thread to Tube Fittings Available! Consult Factory for Details!





1/2 NPT Female Pipe Thread to Tube Tees

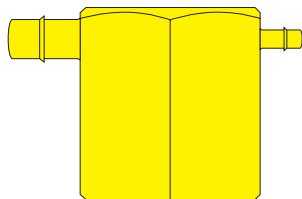
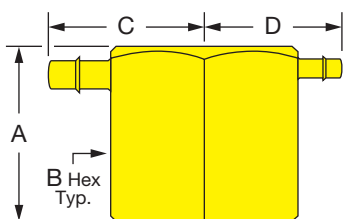
626



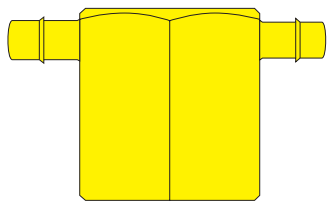
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	1/2FT1	1/2FT1-SS	1/2FT1-316SS	1/2FT1-NP	Consult Factory	15/16	1 3/8
5/64 / 2mm	1/2FT2	1/2FT2-SS	1/2FT2-316SS	1/2FT2-NP		15/16	1 3/8
3/32	1/2FT2 1/2	1/2FT2 1/2-SS	1/2FT2 1/2-316SS	1/2FT2 1/2-NP		15/16	1 3/8
1/8	1/2FT3	1/2FT3-SS	1/2FT3-316SS	1/2FT3-NP	Consult Factory	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		15/16	1 9/16
.170	1/2FT4	1/2FT4-SS	1/2FT4-316SS	1/2FT4-NP		15/16	1 9/16
3/16	1/2FT5	1/2FT5-SS	1/2FT5-316SS	1/2FT5-NP	Consult Factory	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		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		15/16	1 15/16
1/4	1/2FT6	1/2FT6-SS	1/2FT6-316SS	1/2FT6-NP	Consult Factory	15/16	1 15/16
5/8 / 8mm	1/2FT7	1/2FT7-SS	1/2FT7-316SS	1/2FT7-NP		15/16	2 3/16
3/8	1/2FT8	1/2FT8-SS	1/2FT8-316SS	1/2FT8-NP		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 Pipe Thread to Tube Reducing L-Tees

627



1/2FRT5-2



1/2FRT6-4

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/16	1	Consult Factory	15/16	1 1/16	1 1/16
5/64 / 2mm	2		15/16	1 1/16	1 1/16
3/32	2 1/2		15/16	1 1/16	1 1/16
1/8	3		15/16	25/32	25/32
5/32 / 4mm	3 1/2		15/16	25/32	25/32
.170	4		15/16	25/32	25/32
3/16	5		15/16	27/32	27/32
7/32	5 1/2		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	Consult Factory	15/16	3 1/32	3 1/32
1/4	6		15/16	3 1/32	3 1/32
5/8 / 8mm	7		15/16	1 3/32	1 3/32
3/8	8		15/16	1	1
1/2	10		Consult Factory		
5/8	11		Consult Factory		
3/4	12		Consult Factory		

Material options listed below!

Part Numbers for 1/2 NPT Female Thread to Tube Reducing Tees:

Thread Size	1/2	FRT	#	-	#	Smaller Branch #
		Fitting Series				Larger Branch #

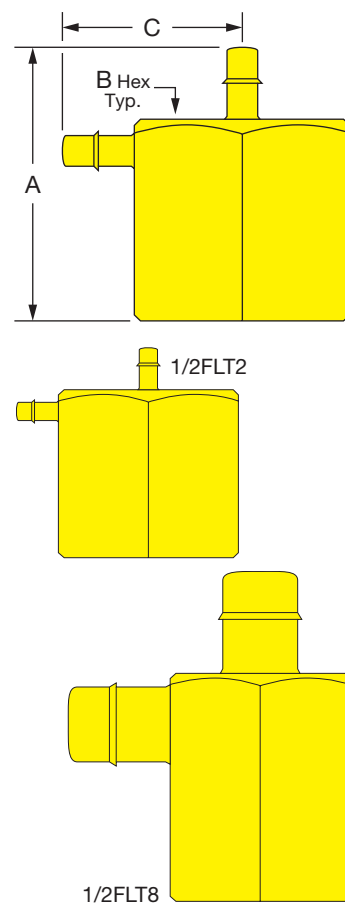
Unless otherwise specified, parts will be Brass. For other materials, add the following codes to the part number:
 -SS = Stainless Steel 303 -316SS = Stainless Steel 316 -NP = Electroless Nickel Plate

Note: Dimensions may vary at time of manufacturing.

628

1/2 NPT Female Pipe 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	1/2FT1	1/2FT1-SS	1/2FT1-316SS	1/2FT1-NP	Consult Factory	15/16	1 1/16
5/64 / 2mm	1/2FT2	1/2FT2-SS	1/2FT2-316SS	1/2FT2-NP	Consult Factory	15/16	1 1/16
3/32	1/2FT2 1/2	1/2FT2 1/2-SS	1/2FT2 1/2-316SS	1/2FT2 1/2-NP	Consult Factory	15/16	1 1/16
1/8	1/2FT3	1/2FT3-SS	1/2FT3-316SS	1/2FT3-NP	Consult Factory	15/16	25/32
5/32 / 4mm	1/2FT3 1/2	1/2FT3 1/2-SS	1/2FT3 1/2-316SS	1/2FT3 1/2-NP	Consult Factory	15/16	25/32
.170	1/2FT4	1/2FT4-SS	1/2FT4-316SS	1/2FT4-NP	Consult Factory	15/16	25/32
3/16	1/2FT5	1/2FT5-SS	1/2FT5-316SS	1/2FT5-NP	Consult Factory	15/16	27/32
7/32	1/2FT5 1/2	1/2FT5 1/2-SS	1/2FT5 1/2-316SS	1/2FT5 1/2-NP	Consult Factory	15/16	27/32
6mm	1/2FT5 3/4	1/2FT5 3/4-SS	1/2FT5 3/4-316SS	1/2FT5 3/4-NP	Consult Factory	15/16	31/32
1/4	1/2FT6	1/2FT6-SS	1/2FT6-316SS	1/2FT6-NP	Consult Factory	15/16	31/32
5/8 / 8mm	1/2FT7	1/2FT7-SS	1/2FT7-316SS	1/2FT7-NP	Consult Factory	15/16	1 3/32
3/8	1/2FT8	1/2FT8-SS	1/2FT8-316SS	1/2FT8-NP	Consult Factory	15/16	1
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		



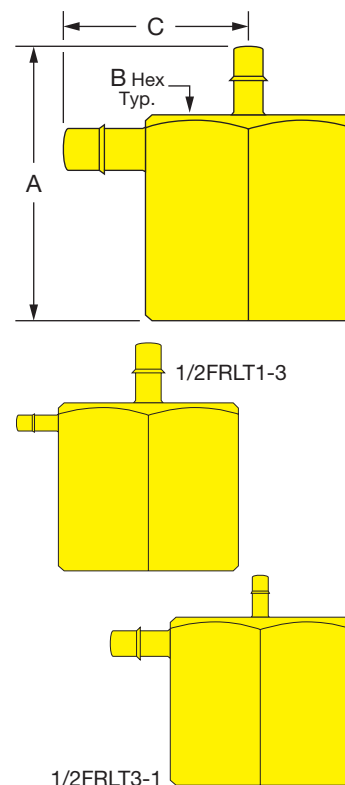
629

1/2 NPT Female Pipe Thread to Tube Reducing L-Tees

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/16	1	Consult Factory	15/16	1 1/16
5/64 / 2mm	2	Consult Factory	15/16	1 1/16
3/32	2 1/2	Consult Factory	15/16	1 1/16
1/8	3	Consult Factory	15/16	25/32
5/32 / 4mm	3 1/2	Consult Factory	15/16	25/32
.170	4	Consult Factory	15/16	25/32
3/16	5	Consult Factory	15/16	27/32
7/32	5 1/2	Consult Factory	15/16	27/32

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
6mm	5 3/4	Consult Factory	15/16	31/32
1/4	6	Consult Factory	15/16	31/32
5/8 / 8mm	7	Consult Factory	15/16	1 3/32
3/8	8	Consult Factory	15/16	1
1/2	10	Consult Factory		
5/8	11	Consult Factory		
3/4	12	Consult Factory		

Material options listed below!



Part Numbers for 1/2 NPT Female Thread to Tube Reducing L-Tees:

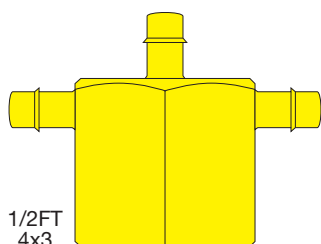
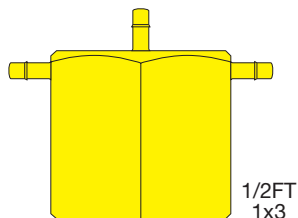
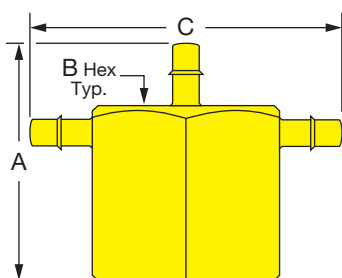
Thread Size	1/2	FRLT	#	-	#	12 O'clock Branch #
Fitting Series			9 O'clock Branch #			

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 Pipe Thread to Tube Tees x 3

630

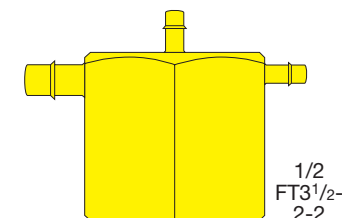
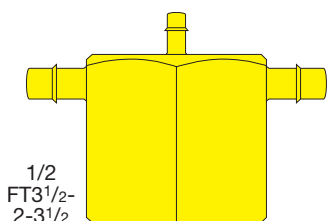
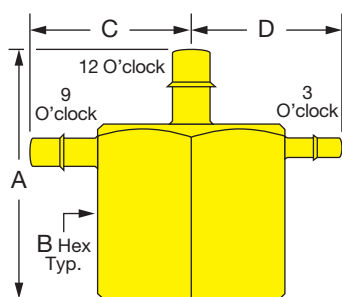


Note: Images are for visual representation only;
not intended for dimensional measurements.
Dimensions may vary at time of manufacturing.

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	1/2FT1x3	1/2FT1x3-SS	1/2FT1x3-316SS	1/2FT1x3-NP	Consult Factory	15/16	1 3/8
5/64 / 2mm	1/2FT2x3	1/2FT2x3-SS	1/2FT2x3-316SS	1/2FT2x3-NP	Consult Factory	15/16	1 3/8
3/32	1/2FT2 1/2x3	1/2FT2 1/2x3-SS	1/2FT2 1/2x3-316SS	1/2FT2 1/2x3-NP	Consult Factory	15/16	1 3/8
1/8	1/2FT3x3	1/2FT3x3-SS	1/2FT3x3-316SS	1/2FT3x3-NP	Consult Factory	15/16	1 9/16
5/32 / 4mm	1/2FT3 1/2x3	1/2FT3 1/2x3-SS	1/2FT3 1/2x3-316SS	1/2FT3 1/2x3-NP	Consult Factory	15/16	1 9/16
.170	1/2FT4x3	1/2FT4x3-SS	1/2FT4x3-316SS	1/2FT4x3-NP	Consult Factory	15/16	1 9/16
3/16	1/2FT5x3	1/2FT5x3-SS	1/2FT5x3-316SS	1/2FT5x3-NP	Consult Factory	15/16	1 11/16
7/32	1/2FT5 1/2x3	1/2FT5 1/2x3-SS	1/2FT5 1/2x3-316SS	1/2FT5 1/2x3-NP	Consult Factory	15/16	1 11/16
6mm	1/2FT5 3/4x3	1/2FT5 3/4x3-SS	1/2FT5 3/4x3-316SS	1/2FT5 3/4x3-NP	Consult Factory	15/16	1 15/16
1/4	1/2FT6x3	1/2FT6x3-SS	1/2FT6x3-316SS	1/2FT6x3-NP	Consult Factory	15/16	1 15/16
5/8 / 8mm	1/2FT7x3	1/2FT7x3-SS	1/2FT7x3-316SS	1/2FT7x3-NP	Consult Factory	15/16	2 3/16
3/8	1/2FT8x3	1/2FT8x3-SS	1/2FT8x3-316SS	1/2FT8x3-NP	Consult Factory	15/16	2
1/2	1/2FT10x3	1/2FT10x3-SS	1/2FT10x3-316SS	1/2FT10x3-NP	Consult Factory		
5/8	1/2FT11x3	1/2FT11x3-SS	1/2FT11x3-316SS	1/2FT11x3-NP	Consult Factory		
3/4	1/2FT12x3	1/2FT12x3-SS	1/2FT12x3-316SS	1/2FT12x3-NP	Consult Factory		

1/2 NPT Female Pipe Thread to Tube Reducing L-Tees

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Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/16	1	Consult Factory	15/16	1 1/16	1 1/16
5/64 / 2mm	2	Consult Factory	15/16	1 1/16	1 1/16
3/32	2 1/2	Consult Factory	15/16	1 1/16	1 1/16
1/8	3	Consult Factory	15/16	25/32	25/32
5/32 / 4mm	3 1/2	Consult Factory	15/16	25/32	25/32
.170	4	Consult Factory	15/16	25/32	25/32
3/16	5	Consult Factory	15/16	27/32	27/32
7/32	5 1/2	Consult Factory	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	Consult Factory	15/16	3 1/32	3 1/32
1/4	6	Consult Factory	15/16	3 1/32	3 1/32
5/8 / 8mm	7	Consult Factory	15/16	1 3/32	1 3/32
3/8	8	Consult Factory	15/16	1	1
1/2	10	Consult Factory	Consult Factory	Consult Factory	Consult Factory
5/8	11	Consult Factory	Consult Factory	Consult Factory	Consult Factory
3/4	12	Consult Factory	Consult Factory	Consult Factory	Consult Factory

Material options listed below!

Part Numbers for 1/2 NPT Female Thread to Tube Reducing Tees x 3:

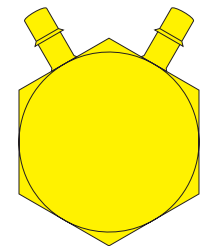
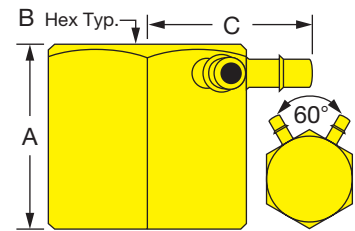
Thread Size	1/2	FRT	#	-	#	-	#	3 O'clock Branch #
Fitting Series			9 O'clock Branch #		12 O'clock Branch #			

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

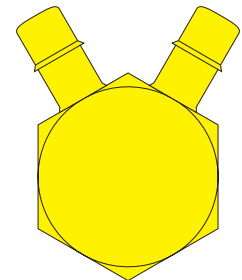
632

1/2 NPT Female Pipe 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	Consult Factory	15/16	1 1/16
5/64 / 2mm	1/2FLT2	1/2FLT2-SS	1/2FLT2-316SS	1/2FLT2-NP		15/16	1 1/16
3/32	1/2FLT2 1/2	1/2FLT2 1/2-SS	1/2FLT2 1/2-316SS	1/2FLT2 1/2-NP		15/16	1 1/16
1/8	1/2FLT3	1/2FLT3-SS	1/2FLT3-316SS	1/2FLT3-NP		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		15/16	25/32
.170	1/2FLT4	1/2FLT4-SS	1/2FLT4-316SS	1/2FLT4-NP		15/16	25/32
3/16	1/2FLT5	1/2FLT5-SS	1/2FLT5-316SS	1/2FLT5-NP		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		15/16	27/32
6mm	1/2FLT5 3/4	1/2FLT5 3/4-SS	1/2FLT5 3/4-316SS	1/2FLT5 3/4-NP		15/16	31/32
1/4	1/2FLT6	1/2FLT6-SS	1/2FLT6-316SS	1/2FLT6-NP		15/16	31/32
5/8 / 8mm	1/2FLT7	1/2FLT7-SS	1/2FLT7-316SS	1/2FLT7-NP		15/16	1 3/32
3/8	1/2FLT8	1/2FLT8-SS	1/2FLT8-316SS	1/2FLT8-NP		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		



1/2FVT3



1/2FVT6

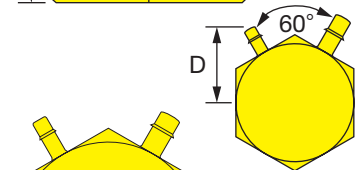
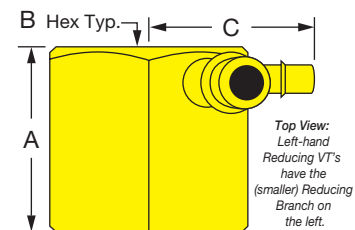
633

1/2 NPT Female Pipe Thread to Tube Reducing Left-Hand V-Tees

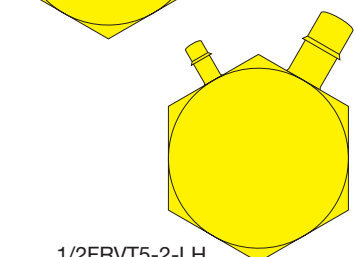
Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/16	1	Consult Factory	15/16	1 1/16	1 1/16
5/64 / 2mm	2		15/16	1 1/16	1 1/16
3/32	2 1/2		15/16	1 1/16	1 1/16
1/8	3		15/16	25/32	25/32
5/32 / 4mm	3 1/2		15/16	25/32	25/32
.170	4		15/16	25/32	25/32
3/16	5		15/16	27/32	27/32
7/32	5 1/2		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	Consult Factory	15/16	31/32	31/32
1/4	6		15/16	31/32	31/32
5/8 / 8mm	7		15/16	1 3/32	1 3/32
3/8	8		15/16	1	1
1/2	10		Consult Factory		
5/8	11		Consult Factory		
3/4	12		Consult Factory		

Material options listed below!

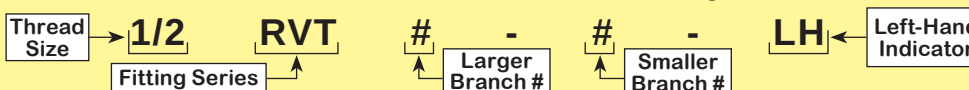


1/2FRVT
2 1/2-1-LH



1/2FRVT5-2-LH

Part Numbers for 1/2 NPT Female Thread to Tube Reducing Left-Hand V-Tees:

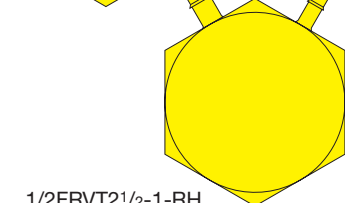
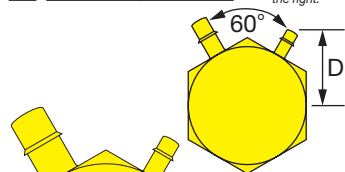
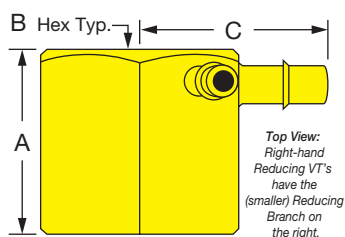


Unless otherwise specified, parts will be Brass. For other materials, add the following codes to the part number:
-SS = Stainless Steel 303 **-316SS** = Stainless Steel 316 **-NP** = Electroless Nickel Plate



1/2 NPT Female Pipe Thread to Tube Reducing Right-Hand V-Tees

634



Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.	D Ref.
1/16	1	Consult Factory Consult Factory	15/16	11/16	11/16
5/64 / 2mm	2		15/16	11/16	11/16
3/32	2 1/2		15/16	11/16	11/16
1/8	3		15/16	25/32	25/32
5/32 / 4mm	3 1/2		15/16	25/32	25/32
.170	4		15/16	25/32	25/32
3/16	5		15/16	27/32	27/32
7/32	5 1/2		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	Consult Factory	15/16	31/32	31/32
1/4	6		15/16	31/32	31/32
5/8 / 8mm	7		15/16	1 3/32	1 3/32
3/8	8	Consult Factory	15/16	1	1
1/2	10		Consult Factory	Consult Factory	
5/8	11		Consult Factory	Consult Factory	
3/4	12	Consult Factory	Consult Factory	Consult Factory	

Material options listed below!

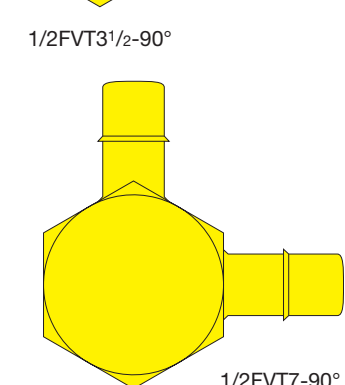
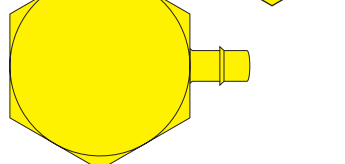
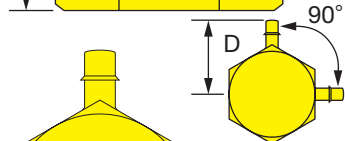
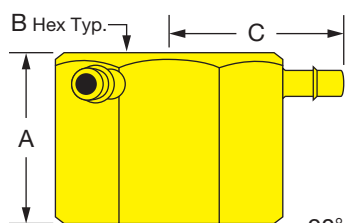
Part Numbers for 1/2 NPT Female Thread to Tube Reducing Right-Hand V-Tees:



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 Pipe Thread to Tube 90° V-Tees

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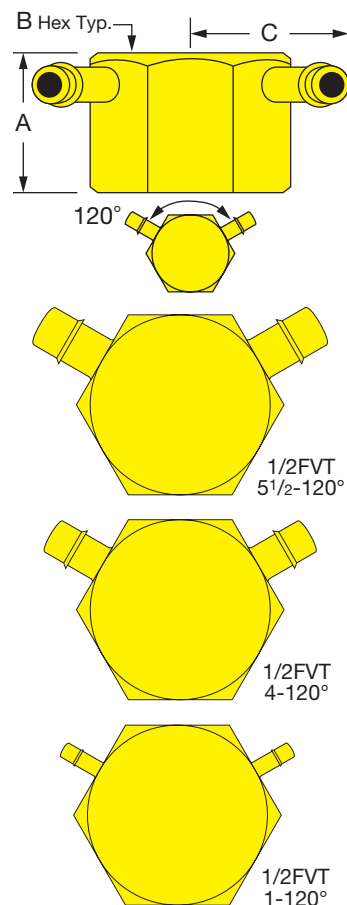


Tube ID	Part Numbers				Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/16	1/2FT1-90°	1/2FT1-90°-SS	1/2FT1-90°-316SS	1/2FT1-90°-NP	Consult Factory	15/16	11/16	Consult Factory
5/64 / 2mm	1/2FT2-90°	1/2FT2-90°-SS	1/2FT2-90°-316SS	1/2FT2-90°-NP		15/16	11/16	
3/32	1/2FT2 1/2-90°	1/2FT2 1/2-90°-SS	1/2FT2 1/2-90°-316SS	1/2FT2 1/2-90°-NP		15/16	11/16	
1/8	1/2FT3-90°	1/2FT3-90°-SS	1/2FT3-90°-316SS	1/2FT3-90°-NP		15/16	25/32	
5/32 / 4mm	1/2FT3 1/2-90°	1/2FT3 1/2-90°-SS	1/2FT3 1/2-90°-316SS	1/2FT3 1/2-90°-NP		15/16	25/32	
.170	1/2FT4-90°	1/2FT4-90°-SS	1/2FT4-90°-316SS	1/2FT4-90°-NP		15/16	25/32	
3/16	1/2FT5-90°	1/2FT5-90°-SS	1/2FT5-90°-316SS	1/2FT5-90°-NP		15/16	27/32	
7/32	1/2FT5 1/2-90°	1/2FT5 1/2-90°-SS	1/2FT5 1/2-90°-316SS	1/2FT5 1/2-90°-NP		15/16	27/32	
6mm	1/2FT5 3/4-90°	1/2FT5 3/4-90°-SS	1/2FT5 3/4-90°-316SS	1/2FT5 3/4-90°-NP		15/16	31/32	
1/4	1/2FT6-90°	1/2FT6-90°-SS	1/2FT6-90°-316SS	1/2FT6-90°-NP		15/16	31/32	
5/8 / 8mm	1/2FT7-90°	1/2FT7-90°-SS	1/2FT7-90°-316SS	1/2FT7-90°-NP	Consult Factory	15/16	1 3/32	Consult Factory
3/8	1/2FT8-90°	1/2FT8-90°-SS	1/2FT8-90°-316SS	1/2FT8-90°-NP		15/16	1	
1/2	1/2FT10-90°	1/2FT10-90°-SS	1/2FT10-90°-316SS	1/2FT10-90°-NP		Consult Factory		
5/8	1/2FT11-90°	1/2FT11-90°-SS	1/2FT11-90°-316SS	1/2FT11-90°-NP	Consult Factory			
3/4	1/2FT12-90°	1/2FT12-90°-SS	1/2FT12-90°-316SS	1/2FT12-90°-NP	Consult Factory			

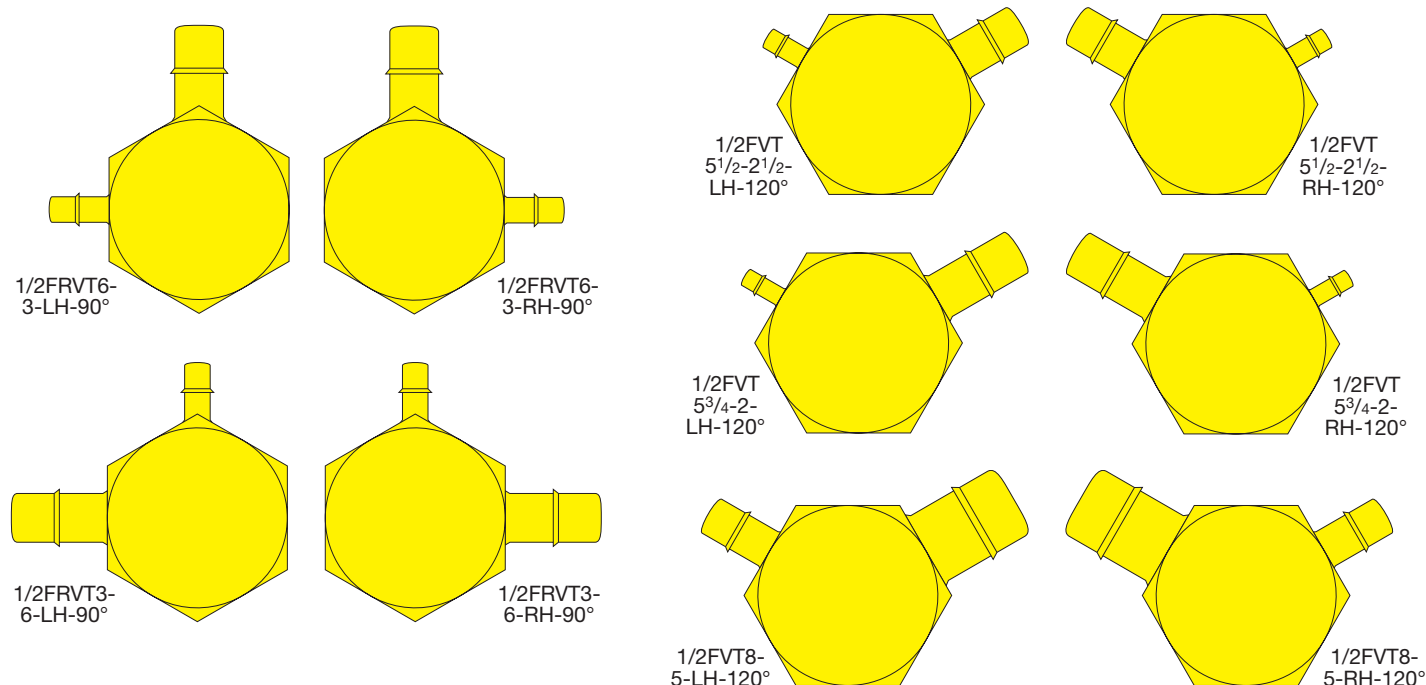
636

1/2 NPT Female Pipe 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.
1/16	1/2FT1-120°	1/2FT1-120°-SS	1/2FT1-120°-316SS	1/2FT1-120°-NP	Consult Factory	15/16	1 1/16
5/64 / 2mm	1/2FT2-120°	1/2FT2-120°-SS	1/2FT2-120°-316SS	1/2FT2-120°-NP	Consult Factory	15/16	1 1/16
3/32	1/2FT2 1/2-120°	1/2FT2 1/2-120°-SS	1/2FT2 1/2-120°-316SS	1/2FT2 1/2-120°-NP	Consult Factory	15/16	1 1/16
1/8	1/2FT3-120°	1/2FT3-120°-SS	1/2FT3-120°-316SS	1/2FT3-120°-NP	Consult Factory	15/16	25/32
5/32 / 4mm	1/2FT3 1/2-120°	1/2FT3 1/2-120°-SS	1/2FT3 1/2-120°-316SS	1/2FT3 1/2-120°-NP	Consult Factory	15/16	25/32
.170	1/2FT4-120°	1/2FT4-120°-SS	1/2FT4-120°-316SS	1/2FT4-120°-NP	Consult Factory	15/16	25/32
3/16	1/2FT5-120°	1/2FT5-120°-SS	1/2FT5-120°-316SS	1/2FT5-120°-NP	Consult Factory	15/16	27/32
7/32	1/2FT5 1/2-120°	1/2FT5 1/2-120°-SS	1/2FT5 1/2-120°-316SS	1/2FT5 1/2-120°-NP	Consult Factory	15/16	27/32
6mm	1/2FT5 3/4-120°	1/2FT5 3/4-120°-SS	1/2FT5 3/4-120°-316SS	1/2FT5 3/4-120°-NP	Consult Factory	15/16	31/32
1/4	1/2FT6-120°	1/2FT6-120°-SS	1/2FT6-120°-316SS	1/2FT6-120°-NP	Consult Factory	15/16	31/32
5/8 / 8mm	1/2FT7-120°	1/2FT7-120°-SS	1/2FT7-120°-316SS	1/2FT7-120°-NP	Consult Factory	15/16	1 3/32
3/8	1/2FT8-120°	1/2FT8-120°-SS	1/2FT8-120°-316SS	1/2FT8-120°-NP	Consult Factory	15/16	1
1/2	1/2FT10-120°	1/2FT10-120°-SS	1/2FT10-120°-316SS	1/2FT10-120°-NP	Consult Factory		
5/8	1/2FT11-120°	1/2FT11-120°-SS	1/2FT11-120°-316SS	1/2FT11-120°-NP	Consult Factory		
3/4	1/2FT12-120°	1/2FT12-120°-SS	1/2FT12-120°-316SS	1/2FT12-120°-NP	Consult Factory		



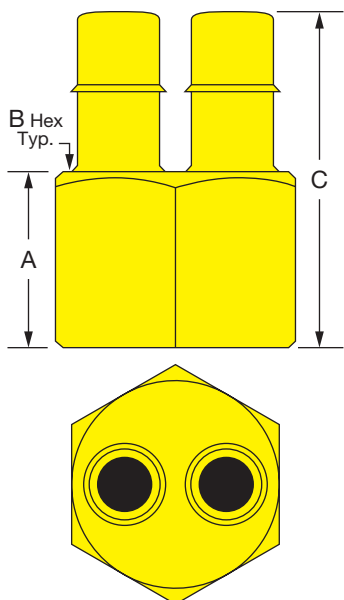
1/2 NPT Female Thread to Tube 90° & 120° Reducing V-Tees also Available! Consult Factory for Details!





1/2 NPT Female Straight Manifolds with 2 Branches

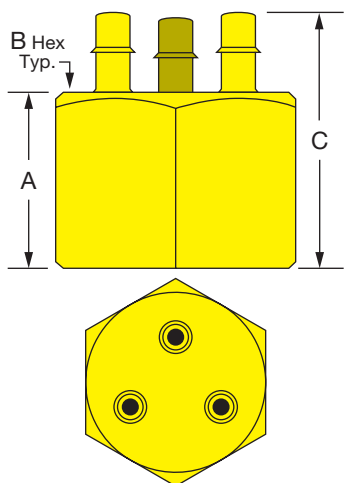
637



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	1 1/16	15 1/16	29 3/32
5/64 / 2mm	1/2FB2x2	1/2FB2x2-SS	1/2FB2x2-316SS	1/2FB2x2-NP	1 1/16	15 1/16	29 3/32
3/32	1/2FB2 1/2x2	1/2FB2 1/2x2-SS	1/2FB2 1/2x2-316SS	1/2FB2 1/2x2-NP	1 1/16	15 1/16	29 3/32
1/8	1/2FB3x2	1/2FB3x2-SS	1/2FB3x2-316SS	1/2FB3x2-NP	1 1/16	15 1/16	1
5/32 / 4mm	1/2FB3 1/2x2	1/2FB3 1/2x2-SS	1/2FB3 1/2x2-316SS	1/2FB3 1/2x2-NP	1 1/16	15 1/16	1
.170	1/2FB4x2	1/2FB4x2-SS	1/2FB4x2-316SS	1/2FB4x2-NP	1 1/16	15 1/16	1
3/16	1/2FB5x2	1/2FB5x2-SS	1/2FB5x2-316SS	1/2FB5x2-NP	1 1/16	15 1/16	1 1/32
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 1/16	1 1/32
6mm	1/2FB5 3/4x2	1/2FB5 3/4x2-SS	1/2FB5 3/4x2-316SS	1/2FB5 3/4x2-NP	1 1/16	15 1/16	1 3/16
1/4	1/2FB6x2	1/2FB6x2-SS	1/2FB6x2-316SS	1/2FB6x2-NP	1 1/16	15 1/16	1 3/16
5/8 / 8mm	1/2FB7x2	1/2FB7x2-SS	1/2FB7x2-316SS	1/2FB7x2-NP	1 1/16	15 1/16	1 5/16

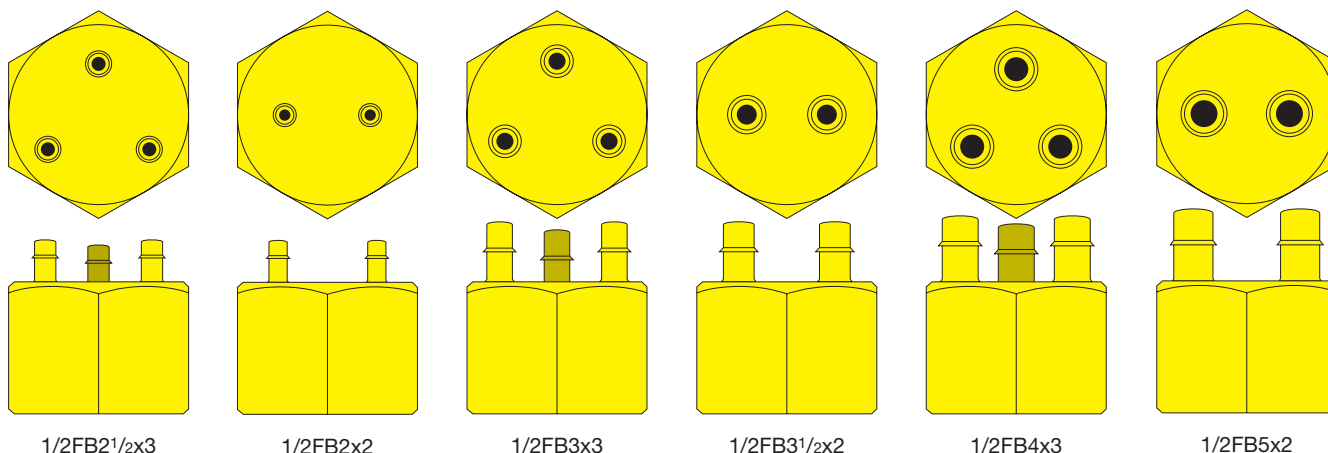
1/2 NPT Female Straight Manifolds with 3 Branches

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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	1/2FB1x3	1/2FB1x3-SS	1/2FB1x3-316SS	1/2FB1x3-NP	1 1/16	15 1/16	29 3/32
5/64 / 2mm	1/2FB2x3	1/2FB2x3-SS	1/2FB2x3-316SS	1/2FB2x3-NP	1 1/16	15 1/16	29 3/32
3/32	1/2FB2 1/2x3	1/2FB2 1/2x3-SS	1/2FB2 1/2x3-316SS	1/2FB2 1/2x3-NP	1 1/16	15 1/16	29 3/32
1/8	1/2FB3x3	1/2FB3x3-SS	1/2FB3x3-316SS	1/2FB3x3-NP	1 1/16	15 1/16	1
5/32 / 4mm	1/2FB3 1/2x3	1/2FB3 1/2x3-SS	1/2FB3 1/2x3-316SS	1/2FB3 1/2x3-NP	1 1/16	15 1/16	1
.170	1/2FB4x3	1/2FB4x3-SS	1/2FB4x3-316SS	1/2FB4x3-NP	1 1/16	15 1/16	1
3/16	1/2FB5x3	1/2FB5x3-SS	1/2FB5x3-316SS	1/2FB5x3-NP	1 1/16	15 1/16	1 1/32
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 1/16	1 1/32
6mm	1/2FB5 3/4x3	1/2FB5 3/4x3-SS	1/2FB5 3/4x3-316SS	1/2FB5 3/4x3-NP	1 1/16	15 1/16	1 3/16
1/4	1/2FB6x3	1/2FB6x3-SS	1/2FB6x3-316SS	1/2FB6x3-NP	1 1/16	15 1/16	1 3/16

For alternate branch locations,
use the template on page 353!



1/2FB2 1/2x3

1/2FB2x2

1/2FB3x3

1/2FB3 1/2x2

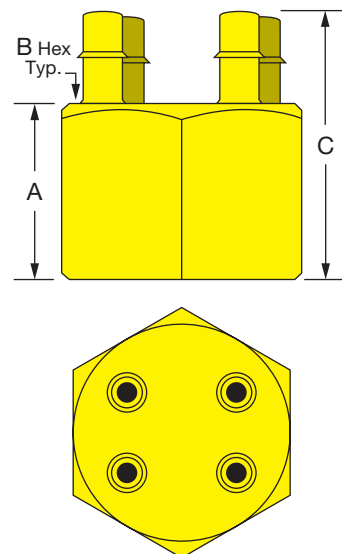
1/2FB4x3

1/2FB5x2

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1/2 NPT Female Straight Manifolds with 4 Branches

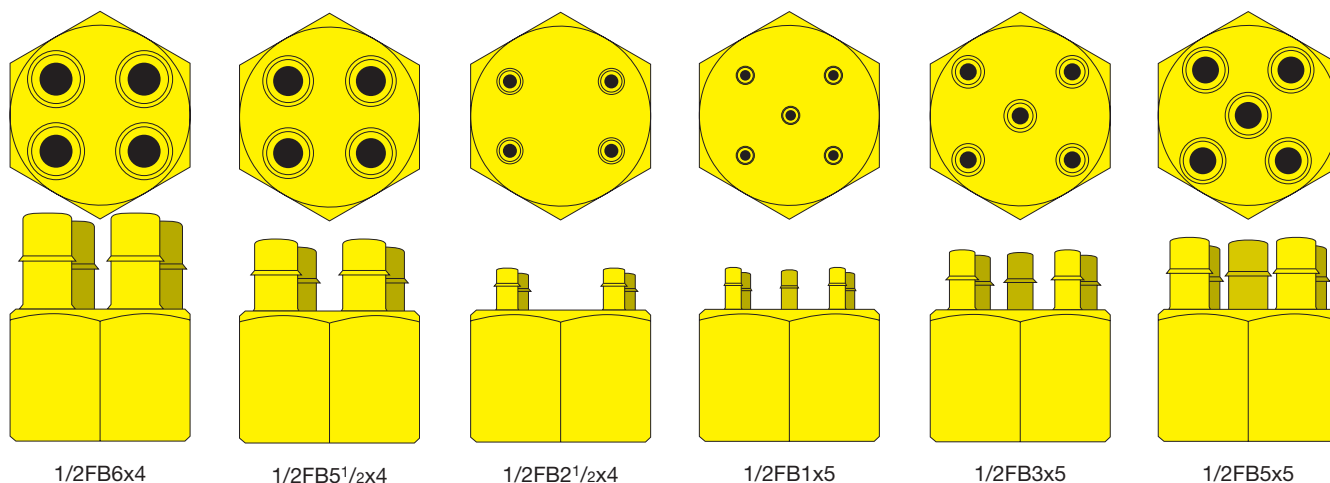
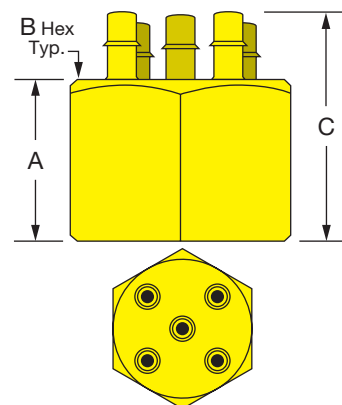
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	1/2FB1x4	1/2FB1x4-SS	1/2FB1x4-316SS	1/2FB1x4-NP	1/16	15/16	29/32
5/64 / 2mm	1/2FB2x4	1/2FB2x4-SS	1/2FB2x4-316SS	1/2FB2x4-NP	1/16	15/16	29/32
3/32	1/2FB2 1/2x4	1/2FB2 1/2x4-SS	1/2FB2 1/2x4-316SS	1/2FB2 1/2x4-NP	1/16	15/16	29/32
1/8	1/2FB3x4	1/2FB3x4-SS	1/2FB3x4-316SS	1/2FB3x4-NP	1/16	15/16	1
5/32 / 4mm	1/2FB3 1/2x4	1/2FB3 1/2x4-SS	1/2FB3 1/2x4-316SS	1/2FB3 1/2x4-NP	1/16	15/16	1
.170	1/2FB4x4	1/2FB4x4-SS	1/2FB4x4-316SS	1/2FB4x4-NP	1/16	15/16	1
3/16	1/2FB5x4	1/2FB5x4-SS	1/2FB5x4-316SS	1/2FB5x4-NP	1/16	15/16	1 1/32
7/32	1/2FB5 1/2x4	1/2FB5 1/2x4-SS	1/2FB5 1/2x4-316SS	1/2FB5 1/2x4-NP	1/16	15/16	1 1/32
6mm	1/2FB5 3/4x4	1/2FB5 3/4x4-SS	1/2FB5 3/4x4-316SS	1/2FB5 3/4x4-NP	1/16	15/16	1 3/16
1/4	1/2FB6x4	1/2FB6x4-SS	1/2FB6x4-316SS	1/2FB6x4-NP	1/16	15/16	1 3/16



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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	1/16	15/16	29/32
5/64 / 2mm	1/2FB2x5	1/2FB2x5-SS	1/2FB2x5-316SS	1/2FB2x5-NP	1/16	15/16	29/32
3/32	1/2FB2 1/2x5	1/2FB2 1/2x5-SS	1/2FB2 1/2x5-316SS	1/2FB2 1/2x5-NP	1/16	15/16	29/32
1/8	1/2FB3x5	1/2FB3x5-SS	1/2FB3x5-316SS	1/2FB3x5-NP	1/16	15/16	1
5/32 / 4mm	1/2FB3 1/2x5	1/2FB3 1/2x5-SS	1/2FB3 1/2x5-316SS	1/2FB3 1/2x5-NP	1/16	15/16	1
.170	1/2FB4x5	1/2FB4x5-SS	1/2FB4x5-316SS	1/2FB4x5-NP	1/16	15/16	1
3/16	1/2FB5x5	1/2FB5x5-SS	1/2FB5x5-316SS	1/2FB5x5-NP	1/16	15/16	1 1/32



1/2FB6x4

1/2FB5 1/2x4

1/2FB2 1/2x4

1/2FB1x5

1/2FB3x5

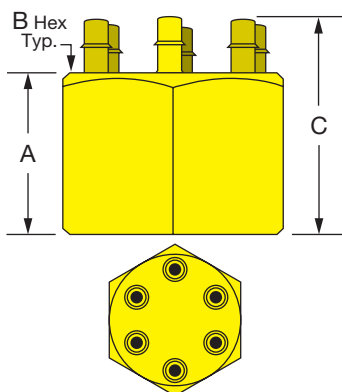
1/2FB5x5

Customize Your 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

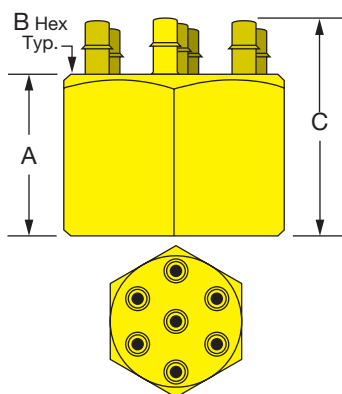
641



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	1 1/16	15 1/16	29 3/32
5/64 / 2mm	1/2FB2x6	1/2FB2x6-SS	1/2FB2x6-316SS	1/2FB2x6-NP	1 1/16	15 1/16	29 3/32
3/32	1/2FB2 1/2x6	1/2FB2 1/2x6-SS	1/2FB2 1/2x6-316SS	1/2FB2 1/2x6-NP	1 1/16	15 1/16	29 3/32
1/8	1/2FB3x6	1/2FB3x6-SS	1/2FB3x6-316SS	1/2FB3x6-NP	1 1/16	15 1/16	1
5/32 / 4mm	1/2FB3 1/2x6	1/2FB3 1/2x6-SS	1/2FB3 1/2x6-316SS	1/2FB3 1/2x6-NP	1 1/16	15 1/16	1
.170	1/2FB4x6	1/2FB4x6-SS	1/2FB4x6-316SS	1/2FB4x6-NP	1 1/16	15 1/16	1

1/2 NPT Female Straight Manifolds with 7 Branches

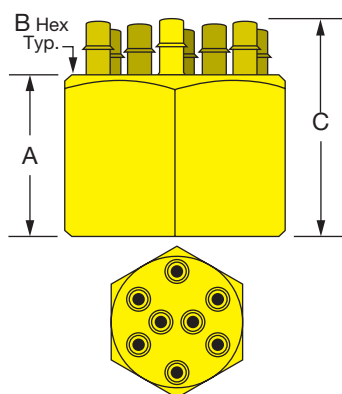
642



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	1 1/16	15 1/16	29 3/32
5/64 / 2mm	1/2FB2x7	1/2FB2x7-SS	1/2FB2x7-316SS	1/2FB2x7-NP	1 1/16	15 1/16	29 3/32
3/32	1/2FB2 1/2x7	1/2FB2 1/2x7-SS	1/2FB2 1/2x7-316SS	1/2FB2 1/2x7-NP	1 1/16	15 1/16	29 3/32
1/8	1/2FB3x7	1/2FB3x7-SS	1/2FB3x7-316SS	1/2FB3x7-NP	1 1/16	15 1/16	1
5/32 / 4mm	1/2FB3 1/2x7	1/2FB3 1/2x7-SS	1/2FB3 1/2x7-316SS	1/2FB3 1/2x7-NP	1 1/16	15 1/16	1
.170	1/2FB4x7	1/2FB4x7-SS	1/2FB4x7-316SS	1/2FB4x7-NP	1 1/16	15 1/16	1

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	1 1/16	15 1/16	29 3/32
5/64 / 2mm	1/2FB2x8	1/2FB2x8-SS	1/2FB2x8-316SS	1/2FB2x8-NP	1 1/16	15 1/16	29 3/32
3/32	1/2FB2 1/2x8	1/2FB2 1/2x8-SS	1/2FB2 1/2x8-316SS	1/2FB2 1/2x8-NP	1 1/16	15 1/16	29 3/32
1/8	1/2FB3x8	1/2FB3x8-SS	1/2FB3x8-316SS	1/2FB3x8-NP	1 1/16	15 1/16	1

Custom manifolds with alternate branch locations available! See the template on page 353 for details!

1/2FB 1x8

1/2FB 3x7

1/2FB 2x6

1/2FB 4x6

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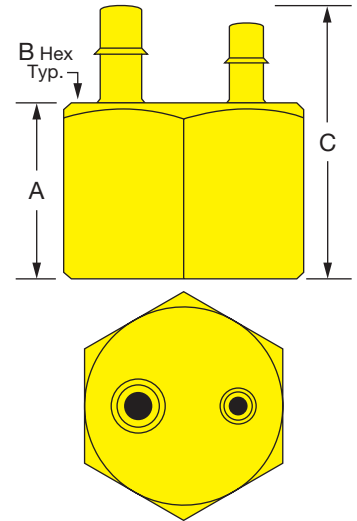
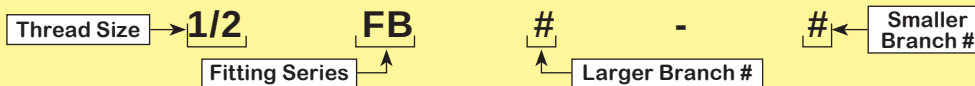
1/2 NPT Female Straight Reducing Manifolds with 2 Branches

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/16	1	1 1/16	15/16	29/32
5/64 / 2mm	2	1 1/16	15/16	29/32
3/32	2 1/2	1 1/16	15/16	29/32
1/8	3	1 1/16	15/16	1
5/32 / 4mm	3 1/2	1 1/16	15/16	1
.170	4	1 1/16	15/16	1

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

Material options listed below!

Part Numbers for 1/2 NPT Female Pipe Thread Reducing Manifolds with 2 Branches:



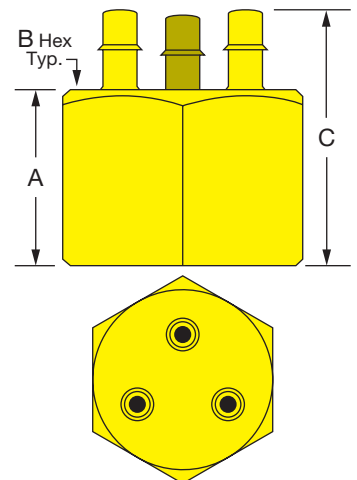
645

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	1 1/16	15/16	29/32
5/64 / 2mm	2	1 1/16	15/16	29/32
3/32	2 1/2	1 1/16	15/16	29/32
1/8	3	1 1/16	15/16	1
5/32 / 4mm	3 1/2	1 1/16	15/16	1

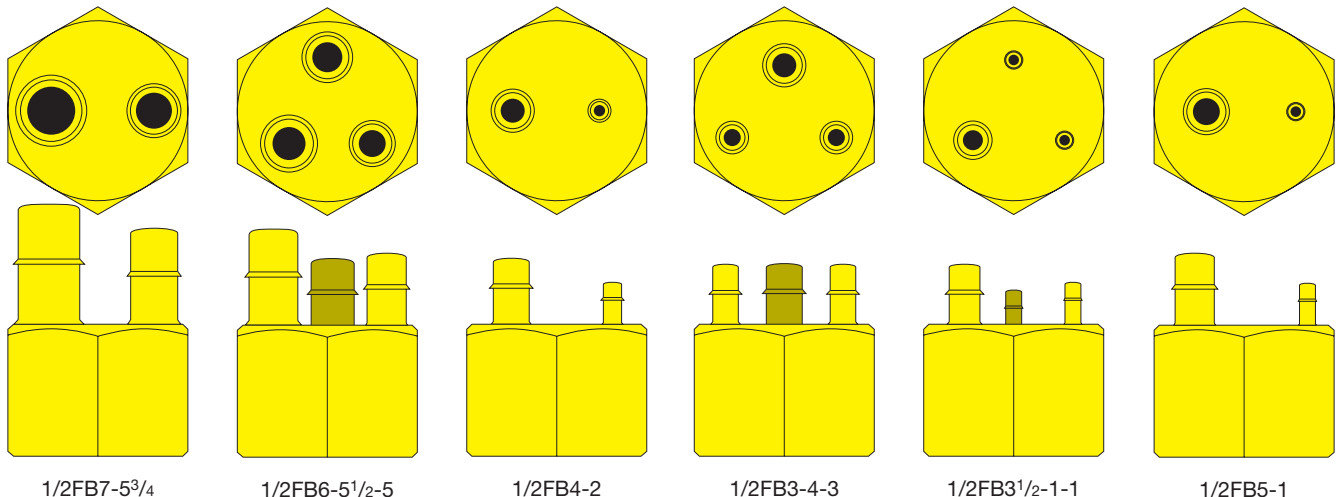
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
.170	4	1 1/16	15/16	1
3/16	5	1 1/16	15/16	1 1/32
7/32	5 1/2	1 1/16	15/16	1 1/32
6mm	5 3/4	1 1/16	15/16	1 3/16
1/4	6	1 1/16	15/16	1 3/16

Part Numbers for 1/2 NPT Female Pipe 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

Use the template on page 353 to indicate branch sizes & locations!



1/2FB7-5 3/4

1/2FB6-5 1/2-5

1/2FB4-2

1/2FB3-4-3

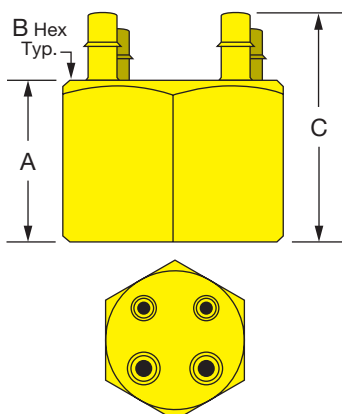
1/2FB3 1/2-1-1

1/2FB5-1



1/2 NPT Female Straight Reducing Manifolds with 4 Branches

646



Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/16	1	1 1/16	15/16	29/32
5/64 / 2mm	2	1 1/16	15/16	29/32
3/32	2 1/2	1 1/16	15/16	29/32
1/8	3	1 1/16	15/16	1
5/32 / 4mm	3 1/2	1 1/16	15/16	1

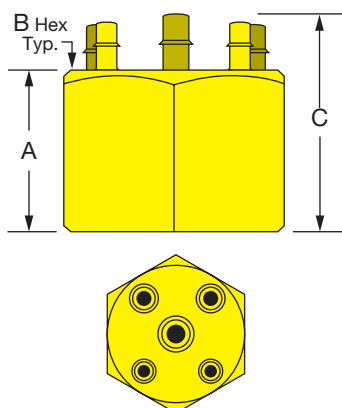
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
.170	4	1 1/16	15/16	1
3/16	5	1 1/16	15/16	1 1/32
7/32	5 1/2	1 1/16	15/16	1 1/32
6mm	5 3/4	1 1/16	15/16	1 3/16
1/4	6	1 1/16	15/16	1 3/16

Use the template on page 353 to indicate branch sizes & locations!

Material options listed on next page!

1/2 NPT Female Pipe Thread to Tube Manifolds with 5 Branches

647



Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/16	1	1 1/16	15/16	29/32
5/64 / 2mm	2	1 1/16	15/16	29/32
3/32	2 1/2	1 1/16	15/16	29/32
1/8	3	1 1/16	15/16	1

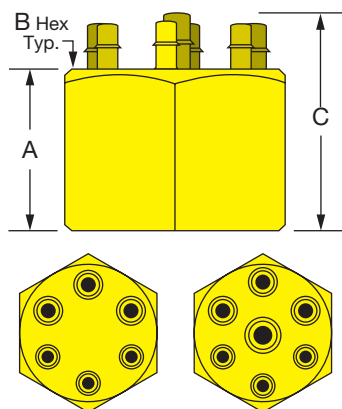
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
5/32 / 4mm	3 1/2	1 1/16	15/16	1
.170	4	1 1/16	15/16	1
3/16	5	1 1/16	15/16	1 1/32

Material options listed on next page!

Customize your Straight Reducing Manifolds! We offer a variety of options!
Use the template on page 353 to indicate branch sizes and locations!

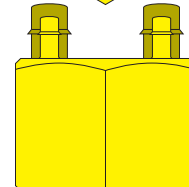
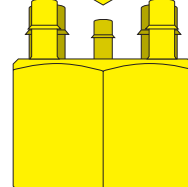
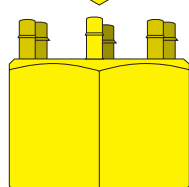
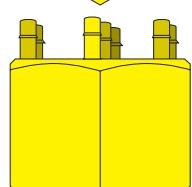
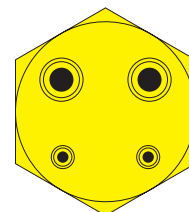
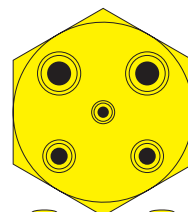
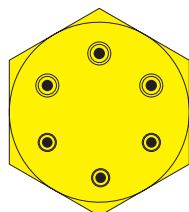
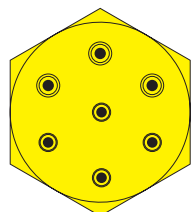
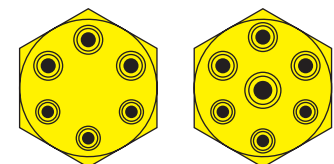
1/2 NPT Female Pipe Thread to Tube Manifolds with 6 or 7 Branches

648



Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/16	1	1 1/16	15/16	29/32
5/64 / 2mm	2	1 1/16	15/16	29/32
3/32	2 1/2	1 1/16	15/16	29/32

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



Use the template on page 353 to indicate branch sizes & locations!

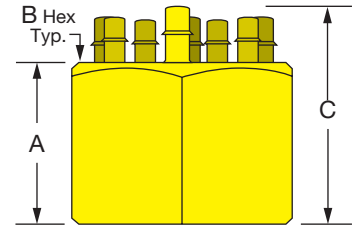
Material options listed on next page!

649

1/2 NPT Female Pipe Thread to Tube Manifolds with 8 Branches

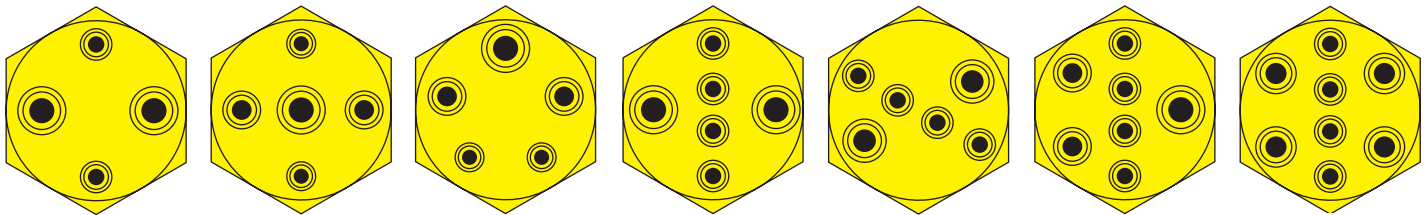
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
1/16	1	1 1/16	15/16	29/32
5/64 / 2mm	2	1 1/16	15/16	29/32

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
3/32	2 1/2	1 1/16	15/16	29/32
1/8	3	1 1/16	15/16	1

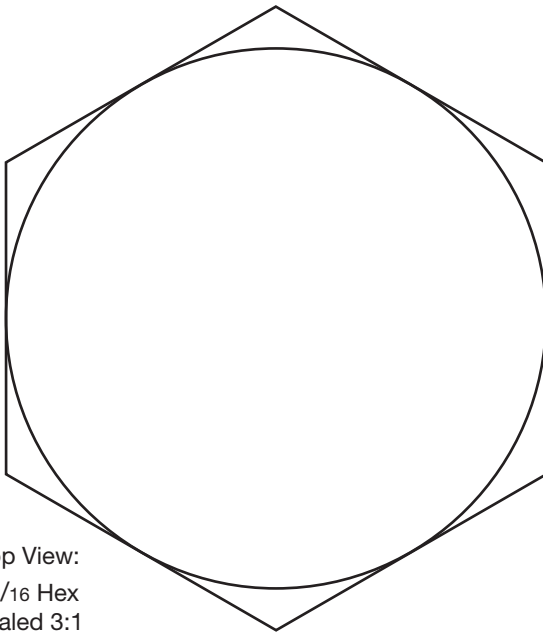


Unless otherwise specified, parts will be Brass. For other materials, the following codes will be added to the part number:
-SS = Stainless Steel 303 **-316SS = Stainless Steel 316** **-NP = Electroless Nickel Plate**

We offer a wide variety of branch sizes & locations!
Use the template below to customize your Straight Reducing Manifolds!



1/2 NPT Female Thread Straight Manifold Template for Branch Sizes and Locations



Top View:
 15/16 Hex
 Scaled 3:1

To Use:

Indicate the desired location of each branch by writing the numbers 1 through 8 (1 = 1st Branch, etc.) on the hex diagram on the below. Mark the coordinating Branch Number (size) in the chart below. Reference tables on page 348 and above for Branch Numbers and Tube ID's. Upon receipt of this template, a part number* will be issued. Note: The number of branches that will fit on the manifold hex will vary depending on the branch sizes desired.

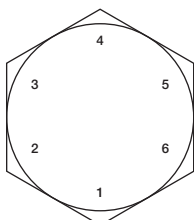
Consult factory for details!

Branch Numbers:

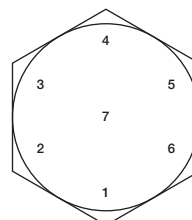
1st Branch (1) = _____ 5th Branch (5) = _____
 2nd Branch (2) = _____ 6th Branch (6) = _____
 3rd Branch (3) = _____ 7th Branch (7) = _____
 4th Branch (4) = _____ 8th Branch (8) = _____

*Part numbers will vary depending on branch configuration

Examples:



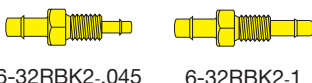
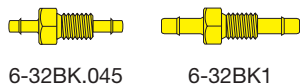
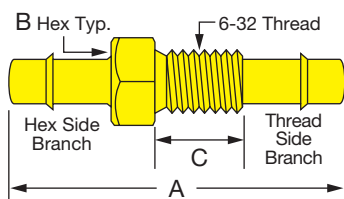
Branch Numbers:
 1st Branch (1) = 5 5th Branch (5) = 2
 2nd Branch (2) = 5 6th Branch (6) = 2
 3rd Branch (3) = 5 7th Branch (7) = n/a
 4th Branch (4) = 3 8th Branch (8) = n/a
 Three #5 Branches (1st, 2nd, 3rd)
 One #3 Branches (4th) Two #2 Branches (5th, 6th)



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 *Inline Bulkheads & Reducing Bulkheads with Lockwasher & Nut*

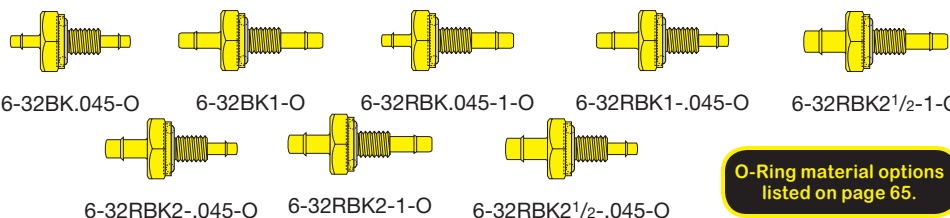
650



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

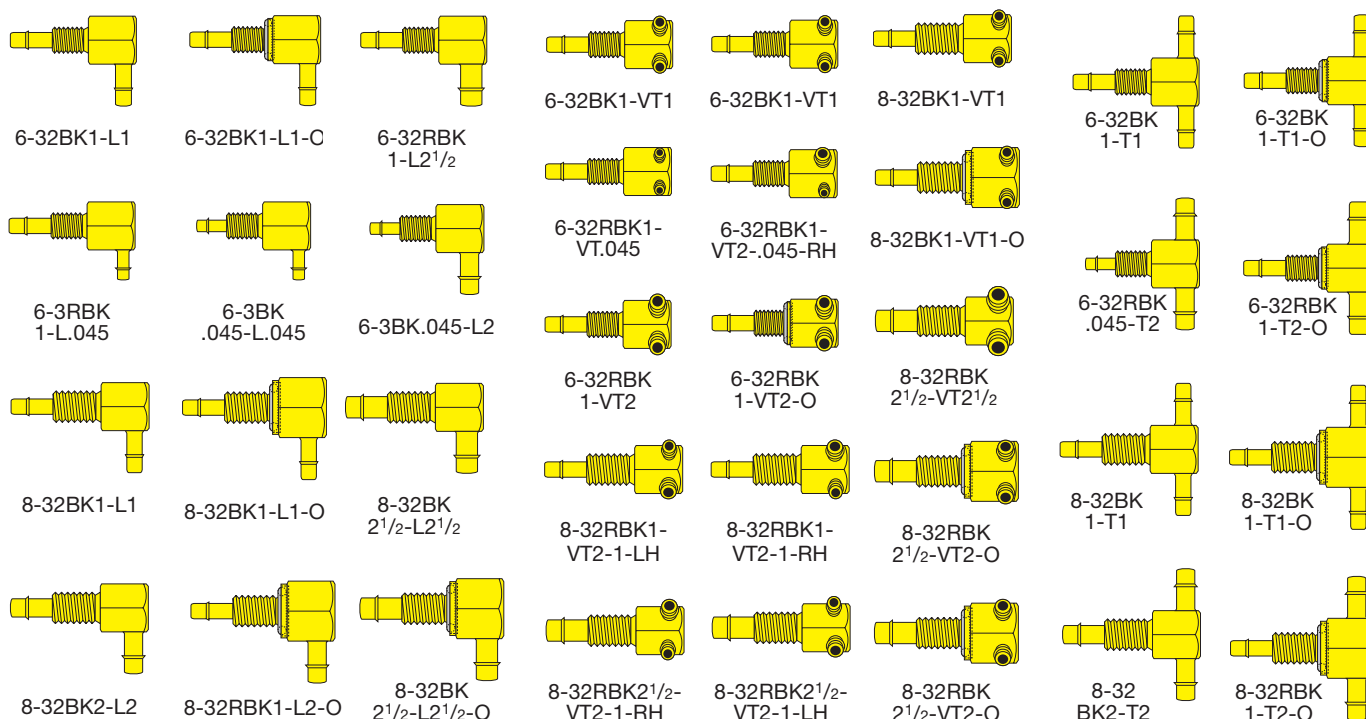
Tube ID		Part Numbers					Dimensions (Reference)		
Branch on Hex Side	Branch on Thread Side	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
3/64	3/64	6-32BK.045	6-32BK.045-SS	6-32BK.045-316SS	6-32BK.045-AL	6-32BK.045-NP	19/32	3/16	3/16
1/16	1/16	6-32BK1	6-32BK1-SS	6-32BK1-316SS	6-32BK1-AL	6-32BK1-NP	23/32	3/16	3/16
3/64	1/16	6-32RBK .045-1	6-32RBK.045-1-SS	6-32RBK.045-1-316SS	6-32RBK.045-1-AL	6-32RBK.045-1-NP	21/32	3/16	3/16
1/16	3/64	6-32RBK1-.045	6-32RBK1-.045-SS	6-32RBK1-.045-316SS	6-32RBK1-.045-AL	6-32RBK1-.045-NP	21/32	3/16	3/16
5/64/ 2mm	3/64	6-32RBK 2.045	6-32RBK2-.045-SS	6-32RBK2-.045-316SS	6-32RBK2-.045-AL	6-32RBK2-.045-NP	21/32	3/16	3/16
5/64/ 2mm	5/64/ 2mm	6-32RBK2-1	6-32RBK2-1-SS	6-32RBK2-1-316SS	6-32RBK2-1-AL	6-32RBK2-1-NP	23/32	3/16	3/16
3/32	3/64	6-32RBK 2 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	6-32RBK 2 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 dependant on quantity.



O-Ring material options listed on page 65.

Custom 6-32 & 8-32 Bulkheads & Reducing Bulkheads Available with Other Options

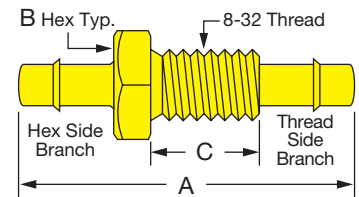


PLEASE NOTE: The Drawings in This Section Have Been Altered Compared to the Previous Catalog to Better Represent the Part Numbers and Clear Up Any Confusion!

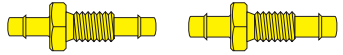
651

8-32 Inline Bulkheads & Reducing Bulkheads

Tube ID		Part Numbers					Dimensions (Reference)		
Branch on Hex Side	Branch on Thread Side	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	2 5/32	1/4	1/4
5/64/2mm	5/64/2mm	8-32BK2	8-32BK2-SS	8-32BK2-316SS	8-32BK2-AL	8-32BK2-NP	2 5/32	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	2 5/32	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	2 3/32	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	2 3/32	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	2 3/32	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	2 3/32	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	2 5/32	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	2 5/32	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	2 3/32	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	2 5/32	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	2 5/32	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	2 3/32	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	2 5/32	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	2 5/32	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	1 3/16	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	1 3/16	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



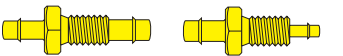
8-32RBK.045-2 1/2 8-32RBK1-.045



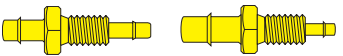
8-32RBK1-2 8-32RBK1-2 1/2



8-32RBK2-.045 8-32RBK2-1



8-32RBK2-2 1/2 8-32RBK2 1/2-.045



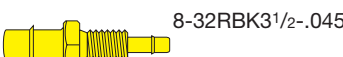
8-32RBK2 1/2-1 8-32RBK3-.045



8-32RBK3-1 8-32RBK3-2



8-32RBK3-2 1/2 8-32RBK3 1/2-.045



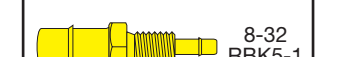
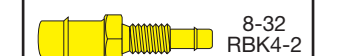
8-32RBK3 1/2-1 8-32RBK3 1/2-2



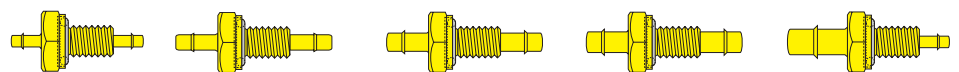
8-32RBK3 1/2-2 1/2 8-32RBK3 1/2-2 1/2

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

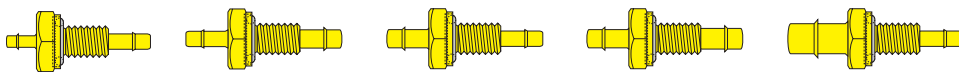
Larger Branch Sizes Available. Consult Factory!



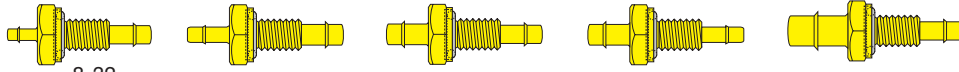
O-Ring options available. Lead times apply. Pricing is dependant on quantity.



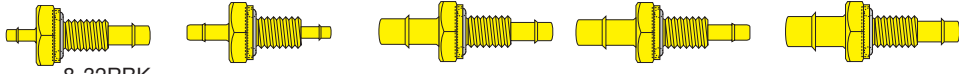
8-32BK.045-O 8-32BK1-O 8-32BK2-O 8-32BK2 1/2-O 8-32RBK3-.045-O



8-32RBK.045-1-O 8-32RBK1-2-O 8-32RBK2-1-O 8-32RBK2-2 1/2-O 8-32RBK3 1/2-1-O



8-32RBK.045-2-O 8-32RBK1-2 1/2-O 8-32RBK2 1/2-2-O 8-32RBK2 1/2-1-O 8-32RBK3 1/2-2-O

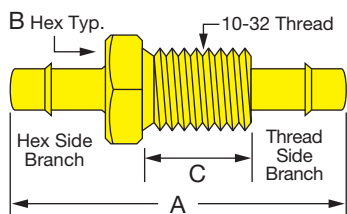


8-32RBK.045-2 1/2-O 8-32RBK1-.045-O 8-32RBK3-2-O 8-32RBK3-1-O 8-32RBK3 1/2-2 1/2-O

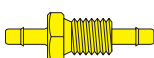


10-32 Inline Bulkheads & Reducing Bulkheads with Lockwasher & Nut

652



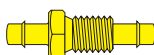
10BK.045



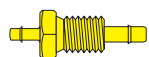
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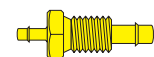
10BK2



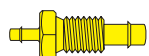
10BK2 1/2



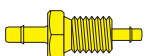
10RBK.045-1



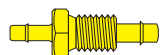
10RBK.045-2



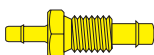
10RBK.045-2 1/2



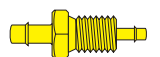
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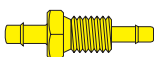
10RBK1-2



10RBK1-2 1/2



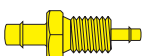
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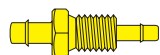
10RBK2-1



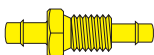
10RBK2-2 1/2



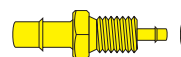
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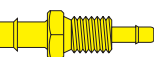
10RBK2 1/2-1



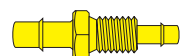
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10RBK3-.045



10RBK3-1



10RBK3-2



10RBK3-2 1/2



10RBK3 1/2-.045



10RBK3 1/2-1



10RBK3 1/2-2

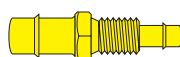


10RBK3 1/2-2 1/2

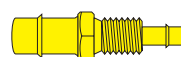
Tube ID		Part Numbers					Dimensions (Reference)		
Branch on Hex Side	Branch on Thread Side	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
3/64	3/64	10BK.045	10BK.045-SS	10BK.045-316SS	10BK.045-AL	10BK.045-NP	2 1/32	1/4	1/4
1/16	1/16	10BK1	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	5/64/ 2mm	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

Other Branch Sizes Available! Consult Factory for Details!

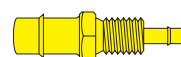
Note: the drawings in this section have been altered from the previous catalog to more accurately represent the part numbers.



10RBK4-2 1/2



10RBK4-2



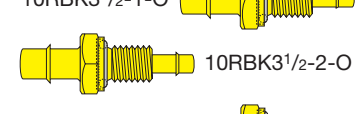
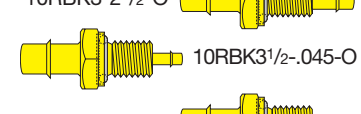
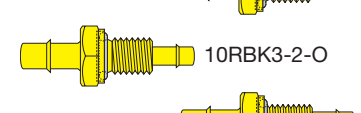
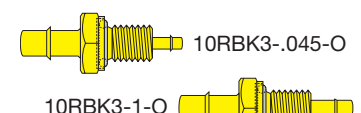
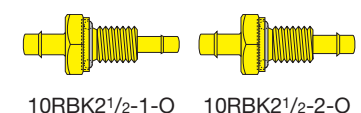
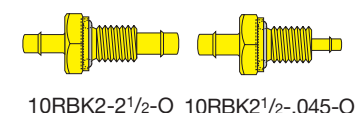
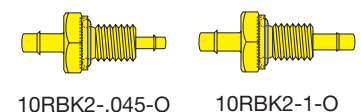
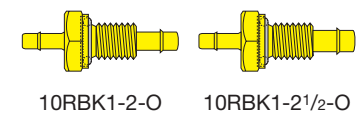
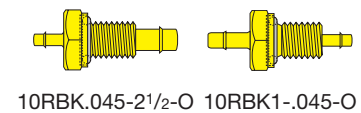
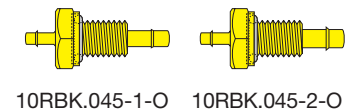
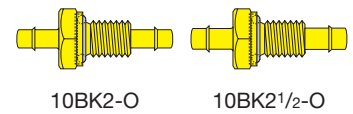
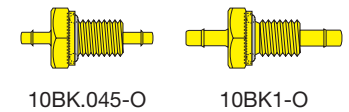
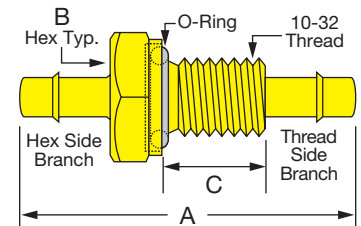
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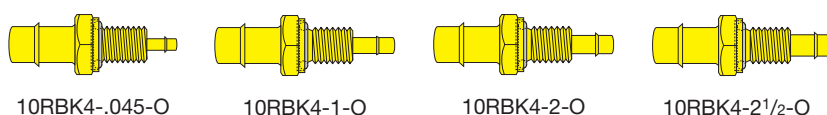
10RBK4-.045

653 10-32 Inline Bulkheads & Reducing Bulkheads with Lockwasher & Nut and O-Ring Installed

Tube ID		Part Numbers					Dimensions (Reference)		
Branch on Hex Side	Branch on Thread Side	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	5/64/ 2mm	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	27/32	5/16	1/4
1/8	1/16	10RBK3-1-O	10RBK3-1-O-SS	10RBK3-1-O-316SS	10RBK3-1-O-AL	10RBK3-1-O-NP	29/32	5/16	1/4
1/8	5/64/ 2mm	10RBK3-2-O	10RBK3-2-O-SS	10RBK3-2-O-316SS	10RBK3-2-O-AL	10RBK3-2-O-NP	29/32	5/16	1/4
1/8	3/32	10RBK3-2 1/2-O	10RBK3-2 1/2-O-SS	10RBK3-2 1/2-O-316SS	10RBK3-2 1/2-O-AL	10RBK3-2 1/2-O-NP	29/32	5/16	1/4
5/32/ 4mm	3/64	10RBK3 1/2-.045-O	10RBK3 1/2-.045-O-SS	10RBK3 1/2-.045-O-316SS	10RBK3 1/2-.045-O-AL	10RBK3 1/2-.045-O-NP	27/32	5/16	1/4
5/32/ 4mm	1/16	10RBK3 1/2-1-O	10RBK3 1/2-1-O-SS	10RBK3 1/2-1-O-316SS	10RBK3 1/2-1-O-AL	10RBK3 1/2-1-O-NP	29/32	5/16	1/4
5/32/ 4mm	5/64/ 2mm	10RBK3 1/2-2-O	10RBK3 1/2-2-O-SS	10RBK3 1/2-2-O-316SS	10RBK3 1/2-2-O-AL	10RBK3 1/2-2-O-NP	29/32	5/16	1/4
5/32/ 4mm	3/32	10RBK3 1/2-2 1/2-O	10RBK3 1/2-2 1/2-O-SS	10RBK3 1/2-2 1/2-O-316SS	10RBK3 1/2-2 1/2-O-AL	10RBK3 1/2-2 1/2-O-NP	29/32	5/16	1/4
.170	3/64	10RBK4-.045-O	10RBK4-.045-O-SS	10RBK4-.045-O-316SS	10RBK4-.045-O-AL	10RBK4-.045-O-NP	7/8	5/16	1/4
.170	1/16	10RBK4-1-O	10RBK4-1-O-SS	10RBK4-1-O-316SS	10RBK4-1-O-AL	10RBK4-1-O-NP	15/16	5/16	1/4
.170	5/64/ 2mm	10RBK4-2-O	10RBK4-2-O-SS	10RBK4-2-O-316SS	10RBK4-2-O-AL	10RBK4-2-O-NP	15/16	5/16	1/4
.170	3/32	10RBK4-2 1/2-O	10RBK4-2 1/2-O-SS	10RBK4-2 1/2-O-316SS	10RBK4-2 1/2-O-AL	10RBK4-2 1/2-O-NP	15/16	5/16	1/4



Note: the drawings in this section have been altered from the previous catalog to more accurately represent the part numbers.

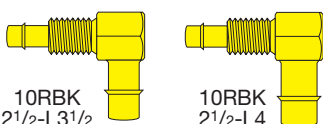
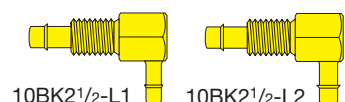
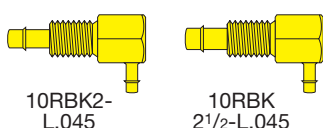
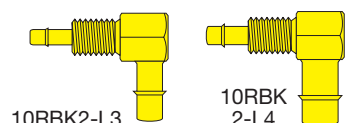
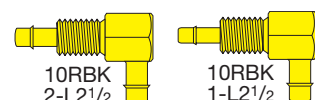
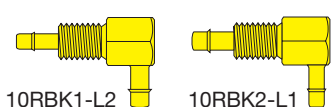
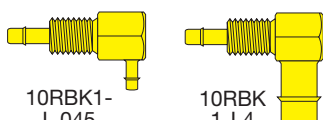
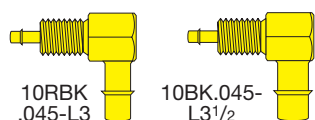
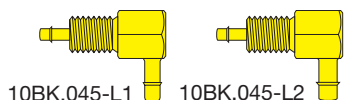
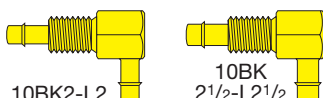
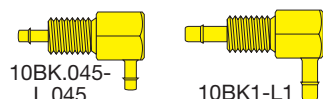
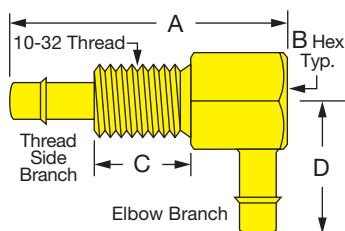


**O-Ring
material
options listed
on page 65.**



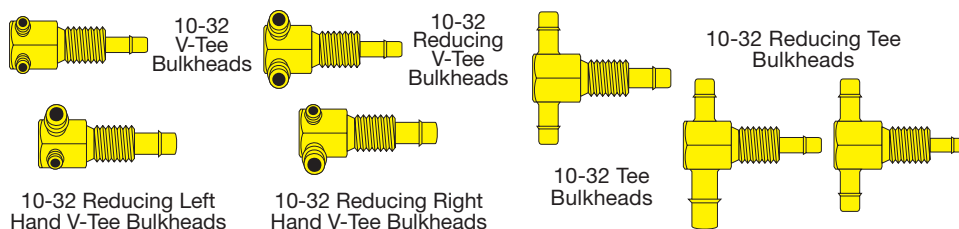
10-32 Elbow Bulkheads & Reducing Bulkheads with Lockwasher & Nut

654



Tube ID		Part Numbers				Dimensions (Reference)			
Branch on Thread Side	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 3/32	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-L2316-SS	10BK2-L2-NP	2 3/32	1/4	1/4	1 1/32
3/32	3/32	10BBK2 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	Consult Factory			
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	Consult Factory			
3/64	.170	10RBK.045-L4	10RBK.045-L4-SS	10RBK.045-L4-316SS	10RBK.045-L4-NP	Consult Factory			
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	Consult Factory			
3/64	5/32/4mm	10RBK1-L3 1/2	10RBK1-L3 1/2-SS	10RBK1-L3 1/2-316SS	10RBK1-L3 1/2-NP	Consult Factory			
3/64	.170	10RBK1-L4	10RBK1-L4-SS	10RBK1-L4-316SS	10RBK1-L4-NP	Consult Factory			
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	5/64/2mm	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	Consult Factory			
3/64	5/32/4mm	10RBK2-L3 1/2	10RBK2-L3 1/2-SS	10RBK2-L3 1/2-316SS	10RBK2-L3 1/2-NP	Consult Factory			
3/64	.170	10RBK2-L4	10RBK2-L4-SS	10RBK2-L4-316SS	10RBK2-L4-NP	Consult Factory			
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-N	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	Consult Factory			
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	Consult Factory			
3/64	.170	10RBK2 1/2-L4	10RBK2 1/2-L4-SS	10RBK2 1/2-L4-316SS	10RBK2 1/2-L4-NP	Consult Factory			

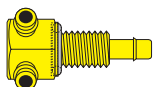
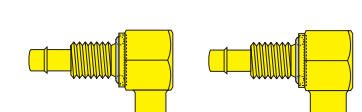
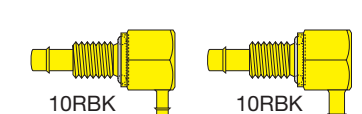
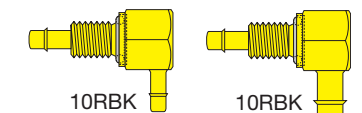
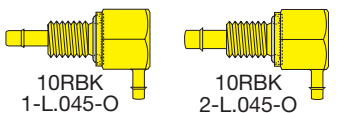
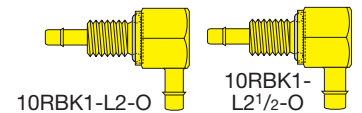
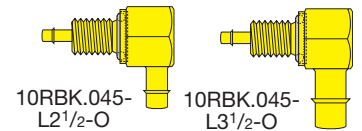
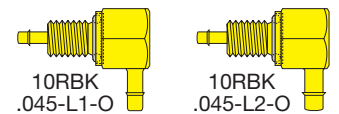
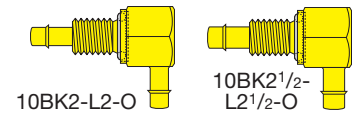
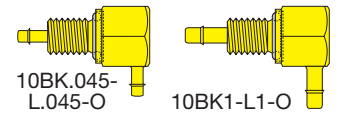
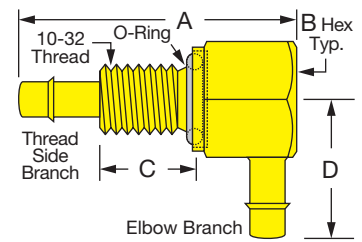
Other Options Available! Consult Factory for Details!



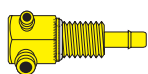
Note: Images are for visual representation only.

655 10-32 Elbow Bulkheads & Reducing Bulkheads with Lockwasher & Nut and O-Ring Installed

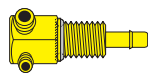
Tube ID		Part Numbers				Dimensions (Reference)			
Branch on Thread Side	Elbow Branch	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
3/64	3/64	10BK.045-L.045-O	10BK.045-L.045-O-SS	10BK.045-L.045-O-316SS	10BK.045-L.045-O-NP	1 1/16	5/16	1/4	3/8
1/16	1/16	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-SS-O	10BK2-L2-316SS-O	10BK2-L2-NP-O	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	1 1/16	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	1 1/16	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	1 1/16	5/16	1/4	3/8
3/64	1/8	10RBK.045-L3	10RBK.045-L3-SS	10RBK.045-L3-316SS	10RBK.045-L3-NP-O	Consult Factory			
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-O	Consult Factory			
3/64	.170	10RBK.045-L4	10RBK.045-L4-SS	10RBK.045-L4-316SS	10RBK.045-L4-NP-O	Consult Factory			
1/16	3/64	10RBK1-L.045-O	10RBK1-L.045-SS-O	10RBK1-L.045-316SS-O	10RBK1-L.045-NP-O	1 1/16	5/16	1/4	3/8
1/16	5/64/2mm	10RBK1-L2-O	10RBK1-L2-SS-O	10RBK1-L2-316SS-O	10RBK1-L2-NP-O	3/4	5/16	1/4	3/8
1/16	3/32	10RBK1-L2 1/2-O	10RBK1-L2 1/2-SS-O	10RBK1-L2 1/2-316SS-O	10RBK1-L2 1/2-NP-O	3/4	5/16	1/4	3/8
3/64	1/8	10RBK1-L3	10RBK1-L3-SS-O	10RBK1-L3-316SS-O	10RBK1-L3-NP-O	Consult Factory			
3/64	5/32/4mm	10RBK1-L3 1/2	10RBK1-L3 1/2-SS-O	10RBK1-L3 1/2-316SS-O	10RBK1-L3 1/2-NP-O	Consult Factory			
3/64	.170	10RBK1-L4	10RBK1-L4-SS-O	10RBK1-L4-316SS-O	10RBK1-L4-NP-O	Consult Factory			
5/64/2mm	3/64	10RBK2-L.045-O	10RBK2-L.045-SS-O	10RBK2-L.045-316SS-O	10RBK2-L.045-NP-O	1 1/16	5/16	1/4	3/8
5/64/2mm	5/64/2mm	10RBK2-L1-O	10RBK2-L1-SS-O	10RBK2-L1-316SS-O	10RBK2-L1-NP-O	3/4	5/16	1/4	3/8
5/64/2mm	3/32	10RBK2-L2 1/2-O	10RBK2-L2 1/2-SS-O	10RBK2-L2 1/2-316SS-O	10RBK2-L2 1/2-NP-O	3/4	5/16	1/4	3/8
3/64	1/8	10RBK2-L3	10RBK2-L3-SS-O	10RBK2-L3-316SS-O	10RBK2-L3-NP-O	Consult Factory			
3/64	5/32/4mm	10RBK2-L3 1/2	10RBK2-L3 1/2-SS-O	10RBK2-L3 1/2-316SS-O	10RBK2-L3 1/2-NP-O	Consult Factory			
3/64	.170	10RBK2-L4	10RBK2-L4-SS-O	10RBK2-L4-316SS-O	10RBK2-L4-NP-O	Consult Factory			
3/32	3/64	10RBK2 1/2-L.045-O	10RBK2 1/2-L.045-SS-O	10RBK2 1/2-L.045-316SS-O	10RBK2 1/2-L.045-NP-O	1 1/16	5/16	1/4	3/8
3/32	1/16	10RBK2 1/2-L1-O	10RBK2 1/2-L1-SS-O	10RBK2 1/2-L1-316SS-O	10RBK2 1/2-L1-N	3/4	5/16	1/4	3/8
3/32	5/64/2mm	10RBK2 1/2-L2-O	10RBK2 1/2-L2-SS-O	10RBK2 1/2-L2-316SS-O	10RBK2 1/2-L2-NP-O	3/4	5/16	1/4	3/8
3/64	1/8	10RBK2 1/2-L3	10RBK2 1/2-L3-SS-O	10RBK2 1/2-L3-316SS-O	10RBK2 1/2-L3-NP-O	Consult Factory			
3/64	5/32/4mm	10RBK2 1/2-L3 1/2	10RBK2 1/2-L3 1/2-SS-O	10RBK2 1/2-L3 1/2-316SS-O	10RBK2 1/2-L3 1/2-NP-O	Consult Factory			
3/64	.170	10RBK2 1/2-L4	10RBK2 1/2-L4-SS-O	10RBK2 1/2-L4-316SS-O	10RBK2 1/2-L4-NP-O	Consult Factory			



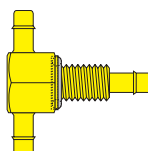
10-32 V-lee
Bulkhead with
O-Ring Installed



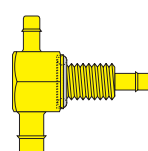
10-32 Right Hand
Reducing Tee
Bulkhead with
O-Ring Installed



10-32 Left Hand
Reducing Tee
Bulkhead with
O-Ring Installed



10-32 Tee
Bulkheads with
O-Ring Installed



10-32 Reducing Tee Bulkheads with O-Ring Installed

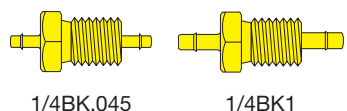
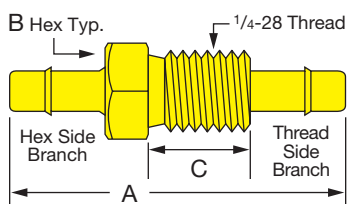
O-Ring material options listed on page 65.

**Other Elbow Branch
sizes available! Consult
factory for details!**

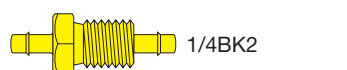


1/4-28 Inline Bulkheads & Reducing Bulkheads with Lockwasher & Nut

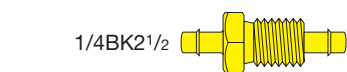
656



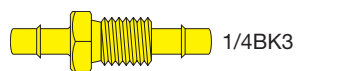
1/4BK.045



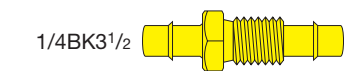
1/4BK1



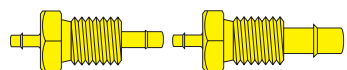
1/4BK2



1/4BK2 1/2



1/4BK3

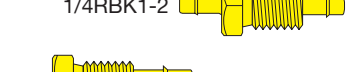


1/4BK3 1/2



1/4RBK.045-1

1/4RBK.045-3



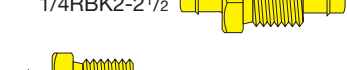
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1/4RBK1-3 1/2



1/4RBK2-.045



1/4RBK2-2 1/2



1/4RBK2 1/2-1



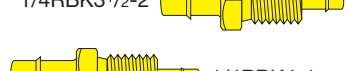
1/4RBK 2 1/2-3 1/2



1/4RBK3-1



1/4RBK3-2 1/2



1/4RBK3 1/2-2



1/4RBK4-1



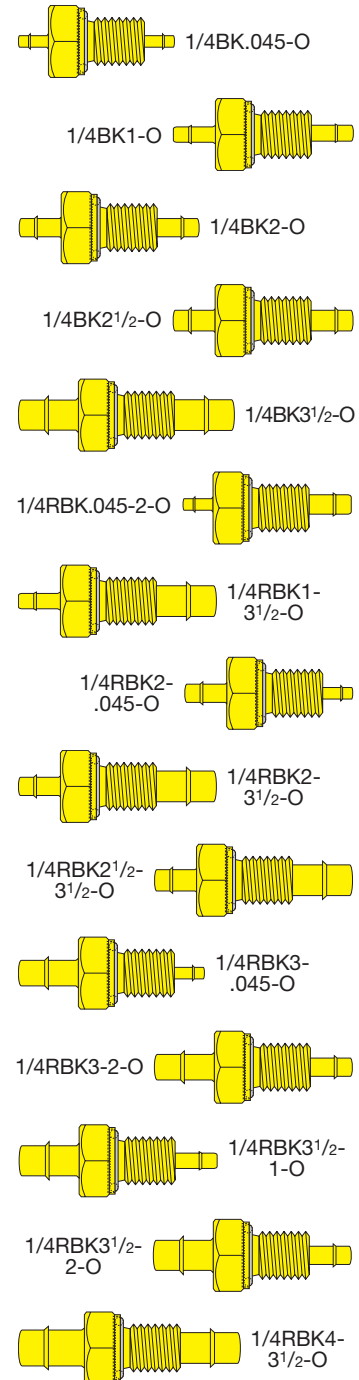
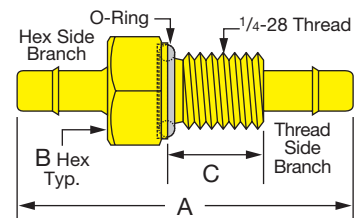
1/4RBK4-3

Note: the drawings in this section have been altered from the previous catalog to better represent the part numbers!

Tube ID		Part Numbers					Dimensions (Reference)		
Branch on Hex Side	Branch on Thread Side	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-.045	1/4BK.045-SS	1/4BK.045-316SS	1/4BK.045-AL	1/4BK.045-NP	47/64	5/16	5/16
1/16	1/16	1/4BK1	1/4BK1-SS	1/4BK1-316SS	1/4BK1-AL	1/4BK1-NP	55/64	5/16	5/16
5/64/2mm	5/64/2mm	1/4BK2	1/4BK2SS	1/4BK2-316SS	1/4BK2AL	1/4BK2NP	55/64	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	55/64	5/16	5/16
1/8	1/8	1/4BK3	1/4BK3-SS	1/4BK3-316SS	1/4BK3-AL	1/4BK3-NP	13/64	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	13/64	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	51/64	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	51/64	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	51/64	5/16	5/16
3/64	1/8	1/4RBK.045-3	1/4RBK.045-3-SS	1/4RBK.045-316SS	1/4RBK.045-3-AL	1/4RBK.045-3-NP	57/64	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	57/64	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	51/64	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	55/64	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	55/64	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	61/64	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	61/64	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	51/64	5/16	5/16
5/64/2mm	5/64/2mm	1/4RBK2-1	1/4RBK2-1-SS	1/4RBK2-1-316SS	1/4RBK2-1-AL	1/4RBK2-1-NP	55/64	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	55/64	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	61/64	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	61/64	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	51/64	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-N	55/64	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	55/64	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	61/64	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	61/64	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	57/64	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	61/64	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	61/64	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	61/64	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	13/64	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	57/64	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	61/64	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	61/64	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	61/64	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	13/64	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	59/64	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	63/64	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	63/64	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	63/64	5/16	5/16
.170	1/8	1/4RBK4-3	1/4RBK4-3-SS	1/4RBK4-316SS	1/4RBK4-3-AL	1/4RBK4-3-NP	15/64	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	15/64	5/16	5/16

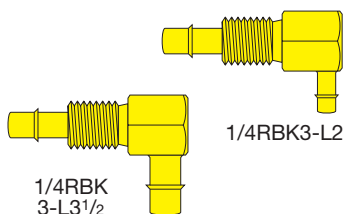
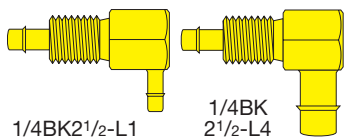
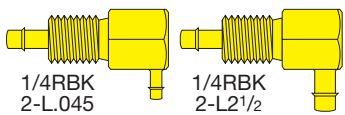
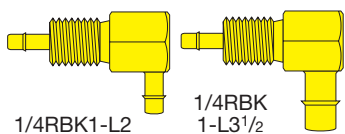
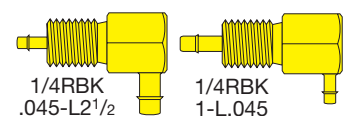
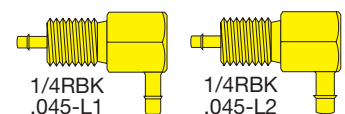
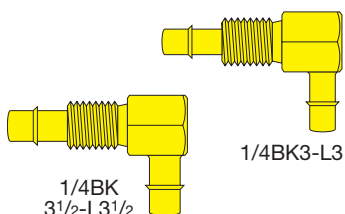
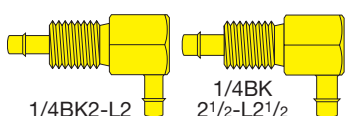
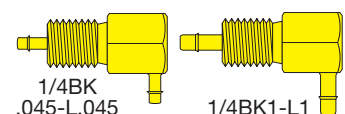
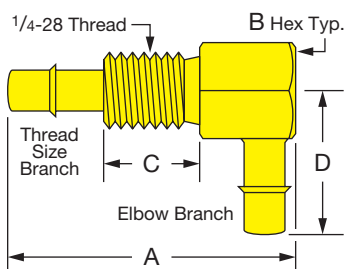
657 1/4-28 Inline Bulkheads & Reducing Bulkheads with Lockwasher & Nut and O-Ring Installed

Tube ID		Part Numbers					Dimensions (Reference)		
Branch on Hex Side	Branch on Thread Side	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	1 3/16	3/8	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	1 5/16	3/8	5/16
5/64/ 2mm	5/64/ 2mm	1/4BK2-O	1/4BK2-2SS-O	1/4BK2-2316SS-O	1/4BK2-2AL	1/4BK2-NP-O	1 5/16	3/8	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	1 5/16	3/8	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	3/8	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	3/8	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	3/8	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	3/8	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	3/8	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	3 1/32	3/8	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	3 1/32	3/8	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	3/8	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	1 5/16	3/8	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	1 5/16	3/8	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	3/8	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	3/8	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	3/8	5/16
5/64/ 2mm	5/64/ 2mm	1/4RBK2-1-O	1/4RBK2-1-O-SS	1/4RBK2-1-O-316SS	1/4RBK2-1-O-AL	1/4RBK2-1-O-NP	1 5/16	3/8	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	1 5/16	3/8	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	3/8	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	3/8	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	3/8	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	1 5/16	3/8	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	1 5/16	3/8	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	3/8	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	3/8	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	3 1/32	3/8	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	3/8	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	3/8	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	3/8	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	3/8	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	3 1/32	3/8	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	3/8	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	3/8	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	3/8	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	3/8	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	3/8	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	3/8	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	3/8	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	3/8	5/16
.170	1/8	1/4RBK4-3-O	1/4RBK4-3-O-SS	1/4RBK4-3-O-316SS	1/4RBK4-3-O-AL	1/4RBK4-3-O-NP	1 5/32	3/8	5/16
.170	5/32/ 4mm	1/4RBK4-3 1/2-O	1/4RBK4-3 1/2-O-SS	1/4RBK4-3 1/2-O-316SS	1/4RBK4-3 1/2-O-AL	1/4RBK4-3 1/2-O-NP	1 5/32	3/8	5/16



**O-Ring material options
listed on page 65.**

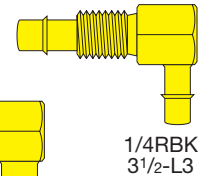
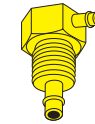
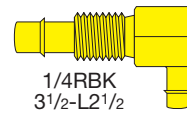
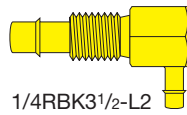
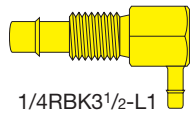
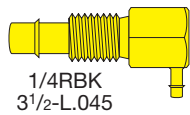
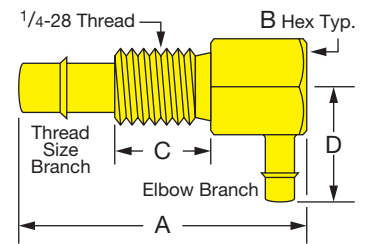
Note: Images are for visual representation only;
not intended for dimensional measurements.

**1/4-28 Elbow Bulkhead & Reducing Bulkhead Fittings with Lockwasher & Nut****658**

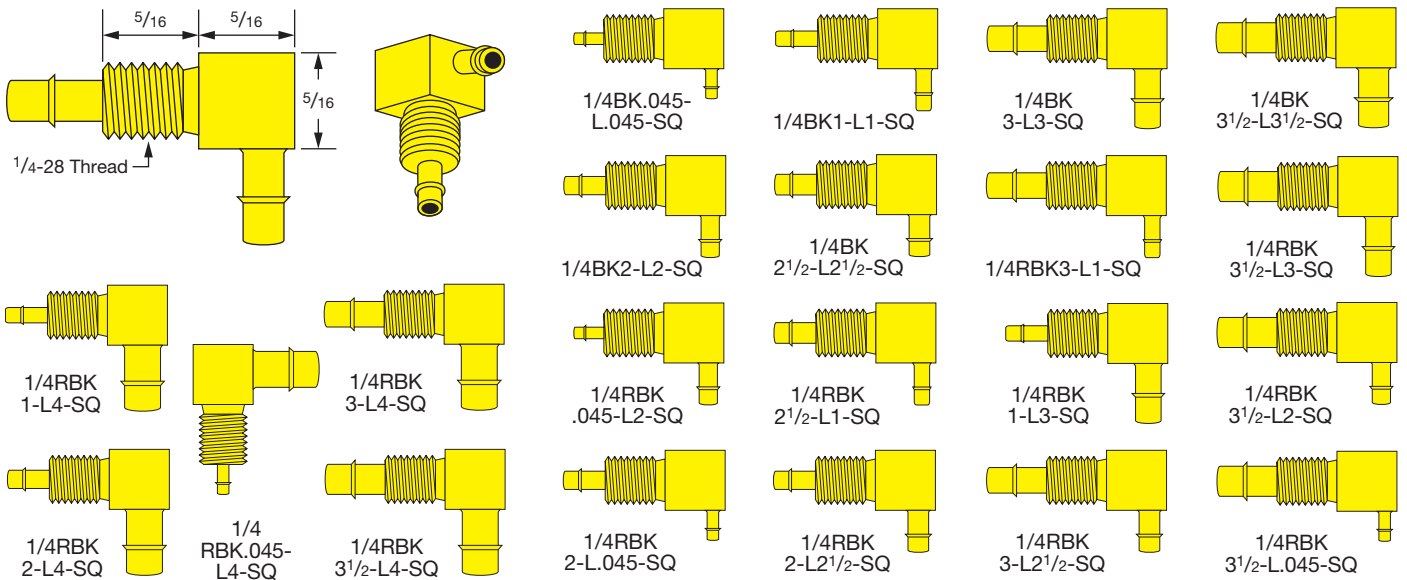
Tube ID		Part Numbers				Dimensions (Reference)			
Branch on Thread Side	Elbow Branch	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Typ
3/64	3/64	1/4BBK.045-L.045	1/4BK.045-L.045-SS	1/4BK.045-L.045-316SS	1/4BK.045-L.045-NP	25/32	5/16	5/16	5/16
1/16	1/16	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-L2SS	1/4BK2-L2-316SS	1/4BK2-L2NP	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-N	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

659 1/4-28 Elbow Bulkhead & Reducing Bulkhead Fittings with Lockwasher & Nut (cont.)

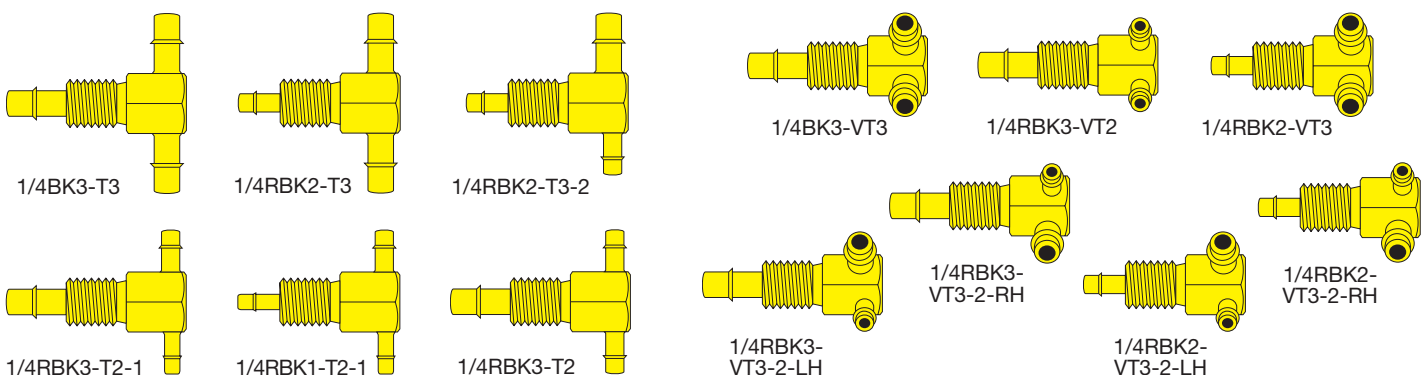
Tube ID		Part Numbers				Dimensions (Reference)			
Branch on Thread Side	Elbow Branch	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Typ.
5/32/4mm	3/64	1/4RBK3 1/2-L.045	1/4RBK3 1/2-L.045-SS	1/4RBK3 1/2-L.045-316SS	1/4RBK3 1/2-L.045-NP	15/16	5/16	5/16	5/16
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	5/32/4mm	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

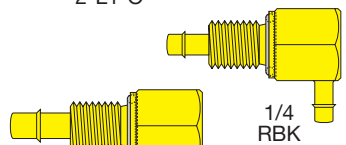
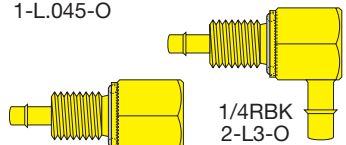
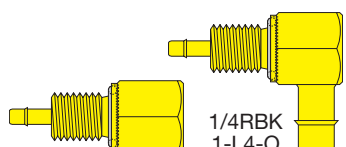
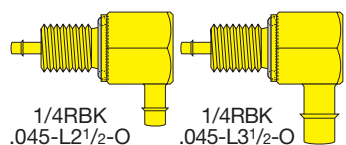
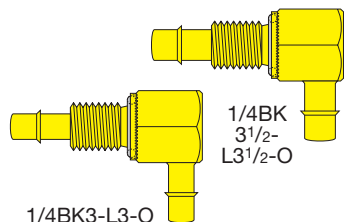
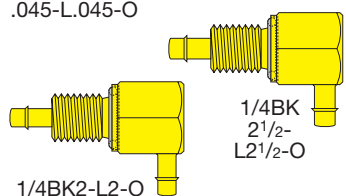
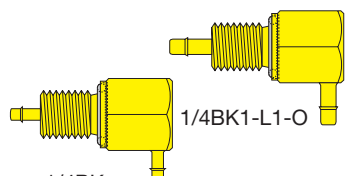
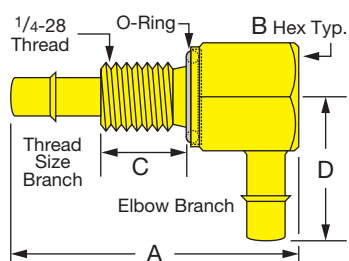


1/4-28 Elbow Bulkheads also available with square bodies! Consult factory for details!



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**

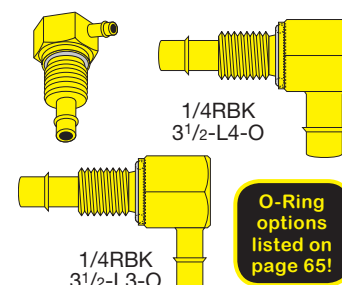
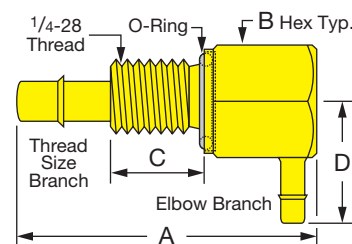
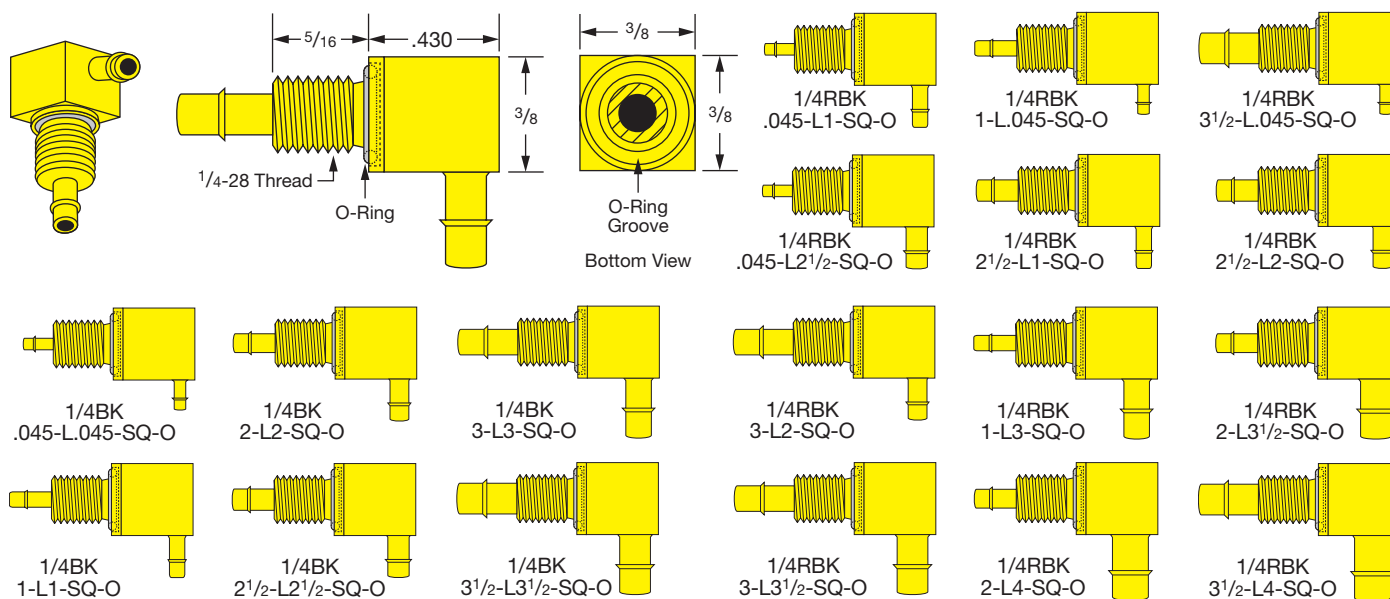
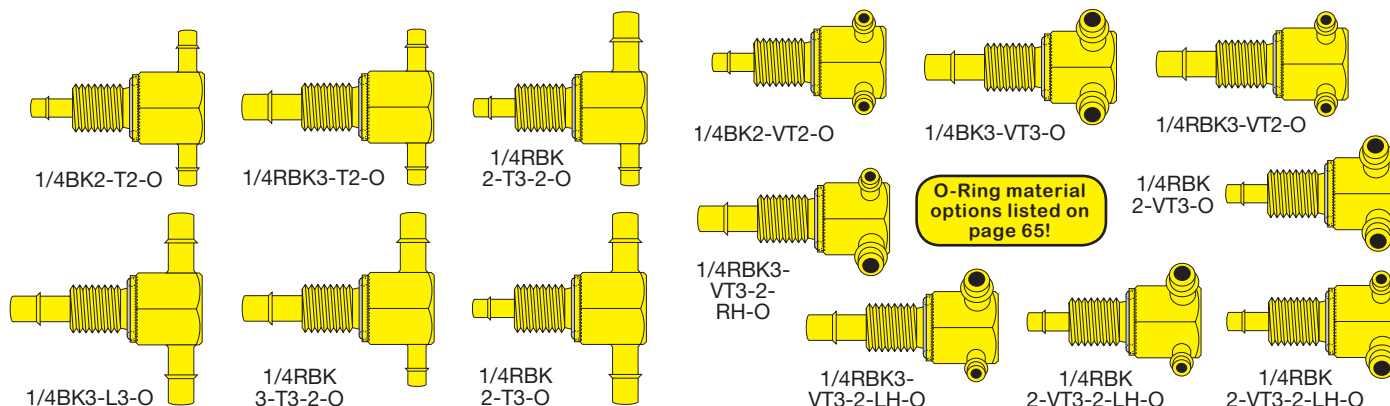
O-Ring options listed on page 65!

Tube ID		Part Numbers				Dimensions (Reference)			
Branch on Thread Side	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	27/32	3/8	5/16	11/32
1/16	1/16	1/4BK1-L1-O	1/4BK1-L1-O-SS	1/4BK1-L1-O-316SS	1/4BK1-L1-O-NP	29/32	3/8	5/16	13/32
5/64/2mm	5/64/2mm	1/4BK2-L2-O	1/4BK2-L2-OSS	1/4BK2-L2-O-316SS	1/4BK2-L2-ONP	29/32	3/8	5/16	13/32
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	29/32	3/8	5/16	13/32
1/8	1/8	1/4BK3-L3-O	1/4BK3-L3-O-SS	1/4BK3-L3-O-316SS	1/4BK3-L3-O-NP	1	3/8	5/16	1/2
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	1	13/8	15/16	1/2
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	27/32	3/8	5/16	13/32
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	27/32	3/8	5/16	13/32
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	27/32	3/8	5/16	13/32
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	27/32	3/8	5/16	1/2
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	27/32	3/8	5/16	1/2
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	27/32	3/8	5/16	17/32
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	29/32	3/8	5/16	11/32
1/16	5/64/2mm	1/4RBK1-L2-O	1/4RBK1-L2-O-SS	1/4RBK1-L2-O-316SS	1/4RBK1-L2-O-NP	29/32	3/8	5/16	13/32
1/16	3/32	1/4RBK1-L2 1/2	1/4RBK1-L2-O 1/2-SS	1/4RBK1-L2 1/2-O-316SS	1/4RBK1-L2 1/2-O-NP	29/32	3/8	5/16	13/32
1/16	1/8	1/4RBK1-L3	1/4RBK1-L3-O-SS	1/4RBK1-L3-O-316SS	1/4RBK1-L3-O-NP	29/32	3/8	5/16	1/2
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	29/32	3/8	5/16	1/2
1/16	.170	1/4RBK1-L4	1/4RBK1-L4-O-SS	1/4RBK1-L4-O-316SS	1/4RBK1-L4-O-NP	29/32	3/8	5/16	17/32
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	29/32	3/8	5/16	11/32
5/64/2mm	1/16	1/4RBK2-L1-O	1/4RBK2-L1-O-SS	1/4RBK2-L1-O-316SS	1/4RBK2-L1-O-NP	29/32	3/8	5/16	13/32
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	29/32	3/8	5/16	13/32
5/64/2mm	1/8	1/4RBK2-L3-O	1/4RBK2-L3-O-SS	1/4RBK2-L3-O-316SS	1/4RBK2-L3-O-NP	29/32	3/8	5/16	1/2
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	29/32	3/8	5/16	1/2
5/64/2mm	.170	1/4RBK2-L4	1/4RBK2-L4-O-SS	1/4RBK2-L4-O-316SS	1/4RBK2-L4-O-NP	29/32	3/8	5/16	17/32
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	29/32	3/8	5/16	11/32
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-N	29/32	3/8	5/16	13/32
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	29/32	3/8	5/16	13/32
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	29/32	3/8	5/16	13/32
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	29/32	3/8	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	29/32	3/8	5/16	17/32
1/8	3/64	1/4RBK3-L.045-O	1/4RBK3-L.045-O-SS	1/4RBK3-L.045-O-316SS	1/4RBK3-L.045-O-NP	1	3/8	5/16	11/32
1/8	1/16	1/4RBK3-L1-O	1/4RBK3-L1-O-SS	1/4RBK3-L1-O-316SS	1/4RBK3-L1-O-NP	1	3/8	5/16	13/32
1/8	5/64/2mm	1/4RBK3-L2-O	1/4RBK3-L2-O-SS	1/4RBK3-L2-O-316SS	1/4RBK3-L2-O-NP	1	3/8	5/16	13/32
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	1	3/8	5/16	1/2
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	1	3/8	5/16	1/2
1/8	.170	1/4RBK3-L4-O	1/4RBK3-L4-O-SS	1/4RBK3-L4-O-316SS	1/4RBK3-L4-O-NP	1	3/8	5/16	17/32

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1/4-28 Elbow Reducing Bulkhead Fittings with Lockwasher & Nut and O-Ring Installed

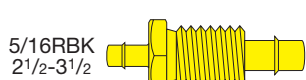
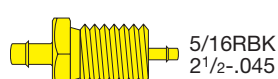
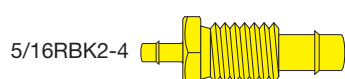
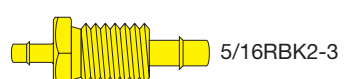
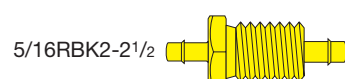
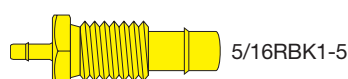
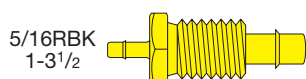
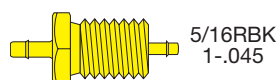
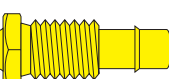
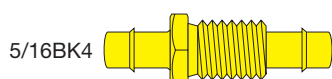
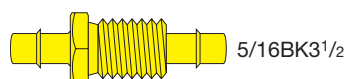
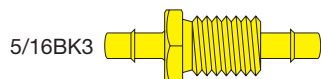
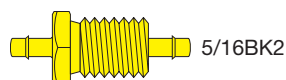
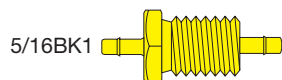
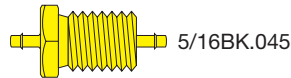
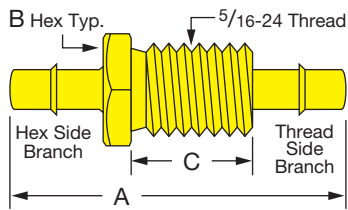
Tube ID		Part Numbers				Dimensions (Reference)			
Branch on Thread Side	Elbow Branch	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Typ.
5/32/4mm	3/64	1/4RBK3 1/2-L.045-O	1/4RBK3 1/2-L.045-O-SS	1/4RBK3 1/2-L.045-O-316SS	1/4RBK3 1/2-L.045-O-NP	1	3/8	5/16	11/32
5/32/4mm	1/16	1/4RBK3 1/2-L1-O	1/4RBK3 1/2-L1-O-SS	1/4RBK3 1/2-L1-O-316SS	1/4RBK3 1/2-L1-O-NP	1	3/8	5/16	13/32
5/32/4mm	5/64/2mm	1/4RBK3 1/2-L2-O	1/4RBK3 1/2-L2-O-SS	1/4RBK3 1/2-L2-O-316SS	1/4RBK3 1/2-L2-O-NP	1	3/8	5/16	13/32
5/32/4mm	3/32	1/4RBK3 1/2-L2 1/2-O	1/4RBK3 1/2-L2 1/2-O-SS	1/4RBK3 1/2-L2 1/2-O-316SS	1/4RBK3 1/2-L2 1/2-O-NP	1	3/8	5/16	1/2
5/32/4mm	5/32/4mm	1/4RBK3 1/2-L3-O	1/4RBK3 1/2-L3-O-SS	1/4RBK3 1/2-L3-O-316SS	1/4RBK3 1/2-L3-O-NP	1	3/8	5/16	1/2
5/32/4mm	.170	1/4RBK3 1/2-L4-O	1/4RBK3 1/2-L4-O-SS	1/4RBK3 1/2-L4-O-316SS	1/4RBK3 1/2-L4-O-NP	1	3/8	5/16	17/32

**1/4-28 Elbow Bulkheads also available with square bodies! Consult factory for details!****1/4-28 Tee & V-Tee Bulkheads also available! Consult factory for details & specifications!**



5/16-24 Inline Reducing Bulkhead Fittings with Lockwasher & Nut

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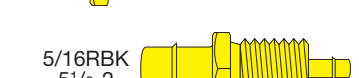
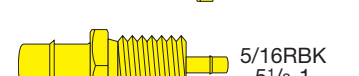
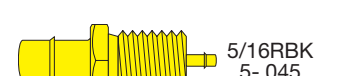
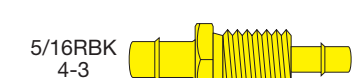
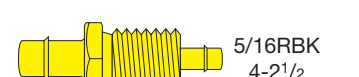
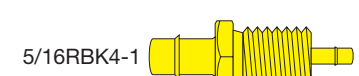
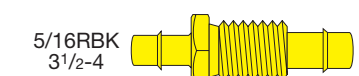
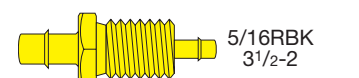
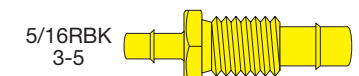
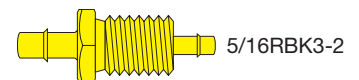
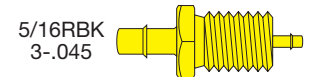
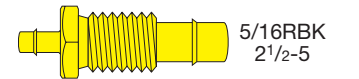
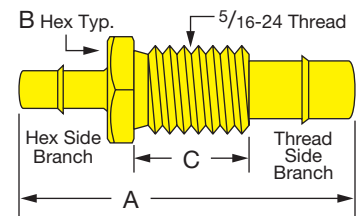
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Tube ID		Part Numbers					Dimensions (Reference)		
Branch on Hex Side	Branch on Thread Side	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
3/64	3/64	5/16BK.045	5/16BK.045-SS	5/16BK.045-316SS	5/16BK.045-AL	5/16BK.045-NP	7/8	3/8	13/32
1/16	1/16	5/16BK1	5/16BK1-SS	5/16BK1-316SS	5/16BK1-AL	5/16BK1-NP	1	3/8	13/32
5/64/ 2mm	5/64/ 2mm	5/16BK2	5/16BK2-SS	5/16BK2-316SS	5/16BK2-AL	5/16BK2-NP	1	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	1	3/8	13/32
1/8	1/8	5/16BK3	5/16BK3-SS	5/16BK3-316SS	5/16BK3-AL	5/16BK3-NP	1 1/16	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 1/16	3/8	13/32
.170	.170	5/16BK4	5/16BK4-SS	5/16BK4-316SS	5/16BK4-AL	5/16BK4-NP	1 1/16	3/8	13/32
3/16	3/16	5/16BK5	5/16BK5-SS	5/16BK5-316SS	5/16BK5-AL	5/16BK5-NP	1 1/4	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	15/16	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	15/16	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	15/16	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	15/16	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	15/16	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 3/32	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 3/32	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	15/16	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	1	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	1	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	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	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 5/32	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 5/32	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	15/16	3/8	13/32
5/64/ 2mm	5/64/ 2mm	5/16RBK2-1	5/16RBK2-1-SS	5/16RBK2-1-316SS	5/16RBK2-1-AL	5/16RBK2-1-NP	1	3/8	13/32
5/64/ 2mm	3/32	5/16RBK 2 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	1	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	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	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 5/32	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 5/32	3/8	13/32
3/32	3/64	5/16RBK 2 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	15/16	3/8	13/32
3/32	1/16	5/16RBK 2 1/2-1	5/16RBK2 1/2- 1-SS	5/16RBK2 1/2-1- 316SS	5/16RBK2 1/2- 1-N	5/16RBK2 1/2-1-N	1	3/8	13/32
3/32	5/64/ 2mm	5/16RBK 2 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	1	3/8	13/32
3/32	1/8	5/16RBK 2 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	3/8	13/32
3/32	5/32/ 4mm	5/16RBK 2 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	3/8	13/32
3/32	.170	5/16RBK 2 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 5/32	3/8	13/32

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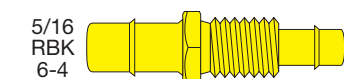
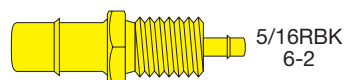
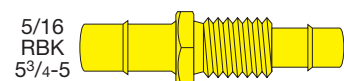
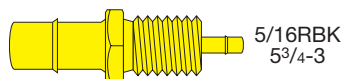
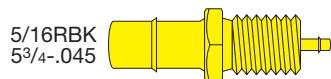
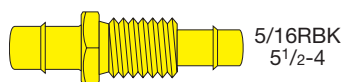
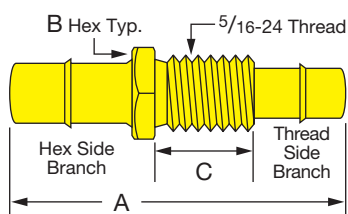
5/16-24 Inline Reducing Bulkhead Fittings with Lockwasher & Nut

Tube ID		Part Numbers					Dimensions (Reference)		
Branch on Hex Side	Branch on Thread Side	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
3/32	3/16	5/16RBK 2 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 5/32	3/8	13/32
1/8	3/64	5/16RBK3- .045	5/16RBK3-.045- SS	5/16RBK3-.045- 316SS	5/16RBK3- .045-AL	5/16RBK3-.045- NP	1 1/32	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 3/32	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 3/32	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 3/32	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 3/16	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 3/16	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 1/4	3/8	13/32
5/32/ 4mm	3/64	5/16RBK 3 1/2-.045	5/16RBK3 1/2- .045-SS	5/16RBK3 1/2-.045- 316SS	5/16RBK3 1/2- .045-AL	5/16RBK3 1/2- .045-NP	1 1/32	3/8	13/32
5/32/ 4mm	1/16	5/16RBK 3 1/2-1	5/16RBK3 1/2- 1-SS	5/16RBK3 1/2-1- 316SS	5/16RBK3 1/2- 1-AL	5/16RBK3 1/2- 1-NP	1 3/32	3/8	13/32
5/32/ 4mm	5/64/ 2mm	5/16RBK 3 1/2-2	5/16RBK3 1/2- 2-SS	5/16RBK3 1/2-2- 316SS	5/16RBK3 1/2- 2-AL	5/16RBK3 1/2- 2-NP	1 3/32	3/8	13/32
5/32/ 4mm	3/32	5/16RBK 3 1/2-2 1/2	5/16RBK3 1/2- 2 1/2-SS	5/16RBK3 1/2-2 1/2- 316SS	5/16RBK3 1/2- 2 1/2-AL	5/16RBK3 1/2- 2 1/2-NP	1 3/32	3/8	13/32
5/32/ 4mm	1/8	5/16RBK 3 1/2-3	5/16RBK3 1/2- 3-SS	5/16RBK3 1/2-3- 316SS	5/16RBK3 1/2- 3-AL	5/16RBK3 1/2- 3-NP	1 3/16	3/8	13/32
5/32/ 4mm	.170	5/16RBK 3 1/2-4	5/16RBK3 1/2- 4-SS	5/16RBK3 1/2-4- 316SS	5/16RBK3 1/2- 4-AL	5/16RBK3 1/2- 4-NP	1 3/32	3/8	13/32
5/32/ 4mm	3/16	5/16RBK 3 1/2-5	5/16RBK3 1/2- 5-SS	5/16RBK3 1/2-5- 316SS	5/16RBK3 1/2- 5-AL	5/16RBK3 1/2- 5-NP	1 1/4	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 1/32	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 3/32	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 3/32	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 3/32	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 3/16	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 3/16	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 1/4	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 3/32	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 5/32	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 5/32	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 5/32	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 5/32	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 1/4	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 1/4	3/8	13/32
7/32	3/64	5/16RBK 5 1/2-.045	5/16RBK5 1/2- .045-SS	5/16RBK5 1/2-.045- 316SS	5/16RBK5 1/2- .045-AL	5/16RBK5 1/2- .045-NP	1 3/32	3/8	13/32
7/32	1/16	5/16RBK 5 1/2-1	5/16RBK5 1/2- 1-SS	5/16RBK5 1/2-1- 316SS	5/16RBK5 1/2- 1-AL	5/16RBK5 1/2- 1-NP	1 5/32	3/8	13/32
7/32	5/64/ 2mm	5/16RBK 5 1/2-2	5/16RBK5 1/2- 2-SS	5/16RBK5 1/2-2- 316SS	5/16RBK5 1/2- 2-AL	5/16RBK5 1/2- 2-NP	1 5/32	3/8	13/32
7/32	3/32	5/16RBK 5 1/2-2 1/2	5/16RBK5 1/2- 2 1/2-SS	5/16RBK5 1/2-2 1/2- 316SS	5/16RBK5 1/2- 2 1/2-AL	5/16RBK5 1/2- 2 1/2-NP	1 5/32	3/8	13/32
7/32	1/8	5/16RBK 5 1/2-3	5/16RBK5 1/2- 3-SS	5/16RBK5 1/2-3- 316SS	5/16RBK5 1/2- 3-AL	5/16RBK5 1/2- 3-NP	1 1/4	3/8	13/32
7/32	5/32/ 4mm	5/16RBK 5 1/2-3 1/2	5/16RBK5 1/2- 3 1/2-SS	5/16RBK5 1/2-3 1/2- 316SS	5/16RBK5 1/2- 3 1/2-AL	5/16RBK5 1/2- 3 1/2-NP	1 1/4	3/8	13/32



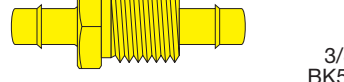
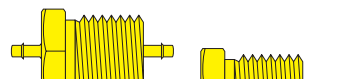
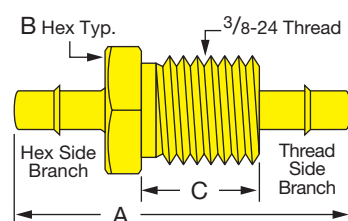
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Note: Images are for visual representation only; not intended for dimensional measurements.

**5/16-24 Inline Reducing Bulkhead Fittings with Lockwasher & Nut****664**

5/16-28 Elbow, Tee, & V-Tee Bulkheads also available! See page 384 for examples! Consult factory for details!

Tube ID		Part Numbers					Dimensions (Reference)		
Branch on Hex Side	Branch on Thread Side	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
7/32	.170	5/16RBK 5 1/2-4	5/16RBK5 1/2-4-SS	5/16RBK5 1/2-4-316SS	5/16RBK5 1/2-4-AL	5/16RBK5 1/2-4-NP	1 1/4	3/8	1 3/32
7/32	3/16	5/16RBK 5 1/2-5	5/16RBK5 1/2-5-SS	5/16RBK5 1/2-5-316SS	5/16RBK5 1/2-5-AL	5/16RBK5 1/2-5-NP	1 1/4	3/8	1 3/32
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 7/32	3/8	1 3/32
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 9/32	3/8	1 3/32
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 9/32	3/8	1 3/32
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 9/32	3/8	1 3/32
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 9/32	3/8	1 3/32
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 9/32	3/8	1 3/32
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 7/16	3/8	1 3/32
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 7/16	3/8	1 3/32
1/4	3/64	5/16RBK6-.045	5/16RBK6-.045-SS	5/16RBK6-.045-316SS	5/16RBK6-.045-AL	5/16RBK6-.045-NP	1 7/32	3/8	1 3/32
1/4	1/16	5/16RBK6-1	5/16RBK6-1-SS	5/16RBK6-1-316SS	5/16RBK6-1-AL	5/16RBK6-1-NP	1 9/32	3/8	1 3/32
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 9/32	3/8	1 3/32
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 9/32	3/8	1 3/32
1/4	1/8	5/16RBK6-3	5/16RBK6-3-SS	5/16RBK6-3-316SS	5/16RBK6-3-AL	5/16RBK6-3-NP	1 9/32	3/8	1 3/32
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 9/32	3/8	1 3/32
1/4	.170	5/16RBK6-4	5/16RBK6-4-SS	5/16RBK6-4-316SS	5/16RBK6-4-AL	5/16RBK6-4-NP	1 3/8	3/8	1 3/32
1/4	3/16	5/16RBK6-5	5/16RBK6-5-SS	5/16RBK6-5-316SS	5/16RBK6-5-AL	5/16RBK6-5-NP	1 3/8	3/8	1 3/32

3/8-24 Inline Bulkhead Fittings with Lockwasher & Nut**665**

Tube ID		Part Numbers					Dimensions (Reference)		
Branch on Hex Side	Branch on Thread Side	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	2 7/32	7/16	1 3/32
1/16	1/16	3/8BK1	3/8BK1-SS	3/8BK1-316SS	3/8BK1-AL	3/8BK1-NP	3 1/32	7/16	1 3/32
5/64 / 2mm	5/64 / 2mm	3/8BK2	3/8BK2-SS	3/8BK2-316SS	3/8BK2-AL	3/8BK2-NP	3 1/32	7/16	1 3/32
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	3 1/32	7/16	1 3/32
1/8	1/8	3/8BK3	3/8BK3-SS	3/8BK3-316SS	3/8BK3-AL	3/8BK3-NP	1 5/32	7/16	1 3/32
5/32 / 4mm	5/32 / 4mm	3/8BK3 1/2	3/8BK3 1/2-SS	3/8BK3 1/2-316SS	3/8BK3 1/2-AL	3/8BK3 1/2-NP	1 5/32	7/16	1 3/32
.170	.170	3/8BK4	3/8BK4-SS	3/8BK4-316SS	3/8BK4-AL	3/8BK4-NP	1 7/32	7/16	1 3/32
3/16	3/16	3/8BK5	3/8BK5-SS	3/8BK5-316SS	3/8BK5-AL	3/8BK5-NP	1 9/32	7/16	1 3/32
7/32	7/32	3/8BK5 1/2	3/8BK5 1/2-SS	3/8BK5 1/2-316SS	3/8BK5 1/2-AL	3/8BK5 1/2-NP	1 9/32	7/16	1 3/32
6mm	6mm	3/8BK5 3/4	3/8BK5 3/4-SS	3/8BK5 3/4-316SS	3/8BK5 3/4-AL	3/8BK5 3/4-NP	1 17/32	7/16	1 3/32
1/4	1/4	3/8BK6	3/8BK6-SS	3/8BK6-316SS	3/8BK6-AL	3/8BK6-NP	1 17/32	7/16	1 3/32

3/8BK5 1/2

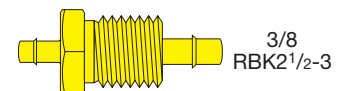
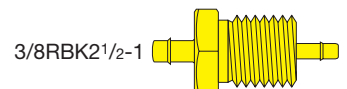
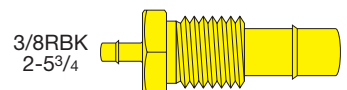
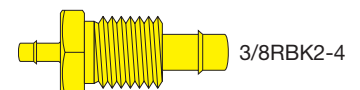
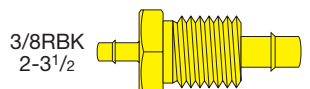
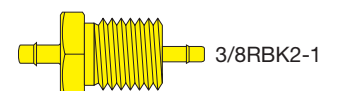
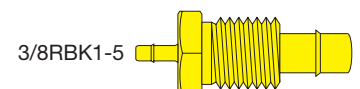
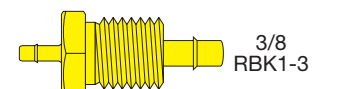
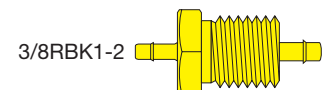
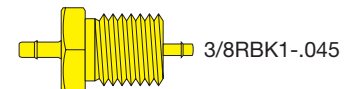
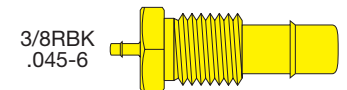
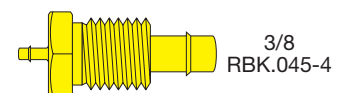
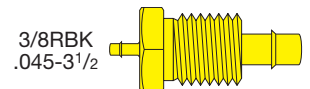
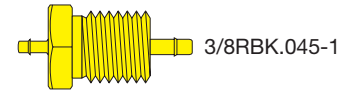
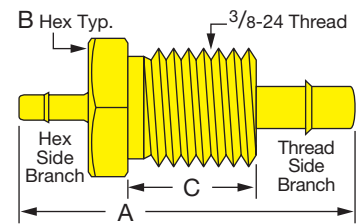
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3/8BK6

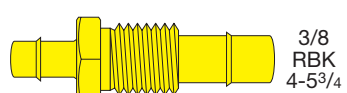
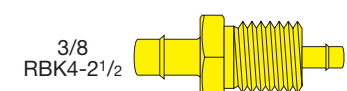
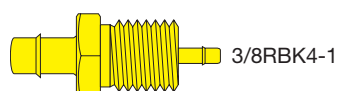
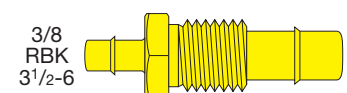
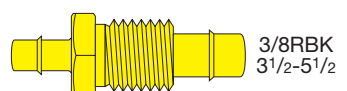
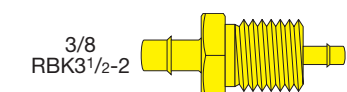
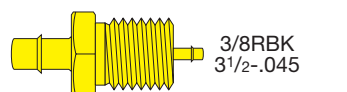
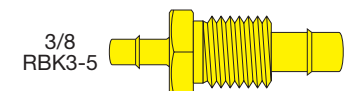
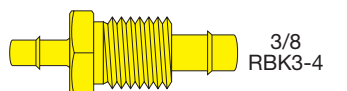
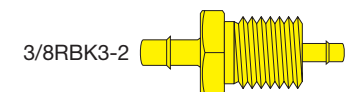
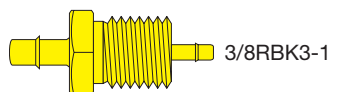
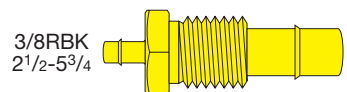
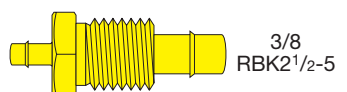
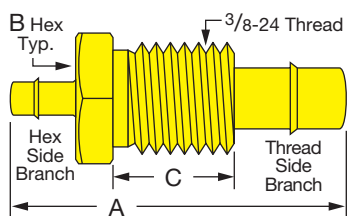
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3/8-24 Inline Reducing Bulkhead Fittings with Lockwasher & Nut

Tube ID		Part Numbers					Dimensions (Reference)		
Branch on Hex Side	Branch on Thread Side	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	5/64/ 2mm	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 1/2	3/8RBK2 1/2-SS	3/8RBK2 1/2-316SS	3/8RBK2 1/2-AL	3/8RBK2 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	3/8RBK2 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	3/8RBK2 1/2-1	3/8RBK2 1/2-1-SS	3/8RBK2 1/2-1-316SS	3/8RBK2 1/2-1-N	3/8RBK2 1/2-1-N	31/32	7/16	13/32
3/32	5/64/ 2mm	3/8RBK2 1/2	3/8RBK2 1/2-SS	3/8RBK2 1/2-316SS	3/8RBK2 1/2-AL	3/8RBK2 1/2-NP	31/32	7/16	13/32
3/32	1/8	3/8RBK2 1/2-3	3/8RBK2 1/2-SS	3/8RBK2 1/2-316SS	3/8RBK2 1/2-3-AL	3/8RBK2 1/2-3-NP	1 1/16	7/16	13/32
3/32	5/32 / 4mm	3/8RBK2 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



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**3/8-24 Inline Reducing Bulkhead Fittings with Lockwasher & Nut****667**

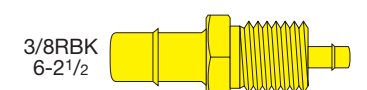
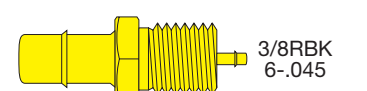
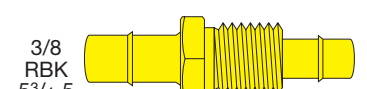
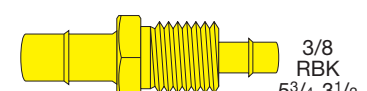
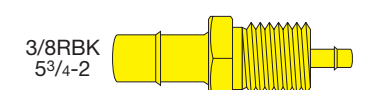
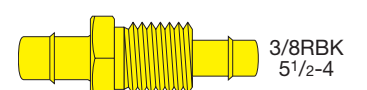
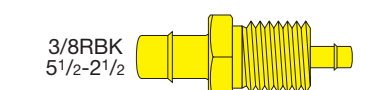
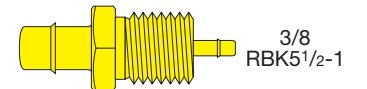
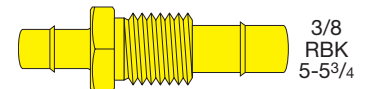
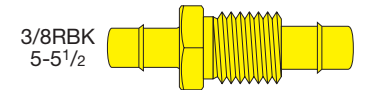
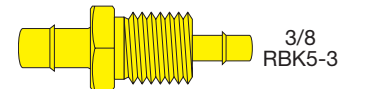
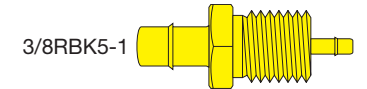
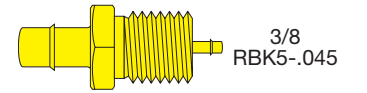
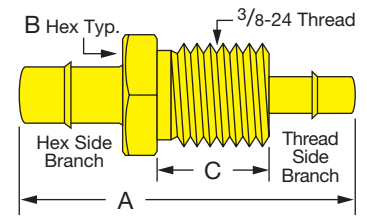
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Tube ID		Part Numbers					Dimensions (Reference)		
Branch on Hex Side	Branch on Thread Side	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
3/32	.170	3/8RBK2 1/2-4	3/8RBK2 1/2-4-SS	3/8RBK2 1/2-4-316SS	3/8RBK2 1/2-4-AL	3/8RBK2 1/2-4-NP	1 3/32	7/16	13/32
3/32	3/16	3/8RBK2 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	3/8RBK2 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	3/8RBK2 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	3/8RBK2 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	3/8RBK3 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	3/8RBK3 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	3/8RBK3 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	3/8RBK3 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	3/8RBK3 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	3/8RBK3 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	3/8RBK3 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	3/8RBK3 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	3/8RBK3 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	3/8RBK3 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

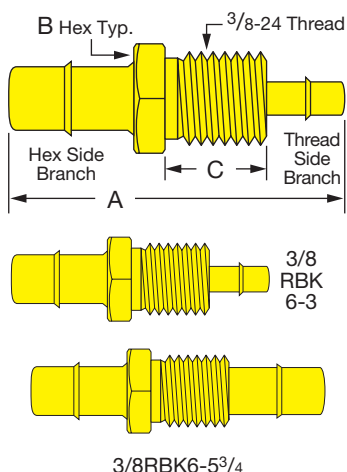
668

3/8-24 Inline Reducing Bulkhead Fittings with Lockwasher & Nut

Tube ID		Part Numbers					Dimensions (Reference)		
Branch on Hex Side	Branch on Thread Side	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	3/8RBK5 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	3/8RBK5 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	3/8RBK5 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	3/8RBK5 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	3/8RBK5 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	3/8RBK5 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	3/8RBK5 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	3/8RBK5 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	3/8RBK5 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	3/8RBK5 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	3/8RBK5 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	3/8RBK5 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	3/8RBK5 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	3/8RBK5 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	3/8RBK5 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	3/8RBK5 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	3/8RBK5 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	3/8RBK5 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	3/8RBK5 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	3/8RBK5 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

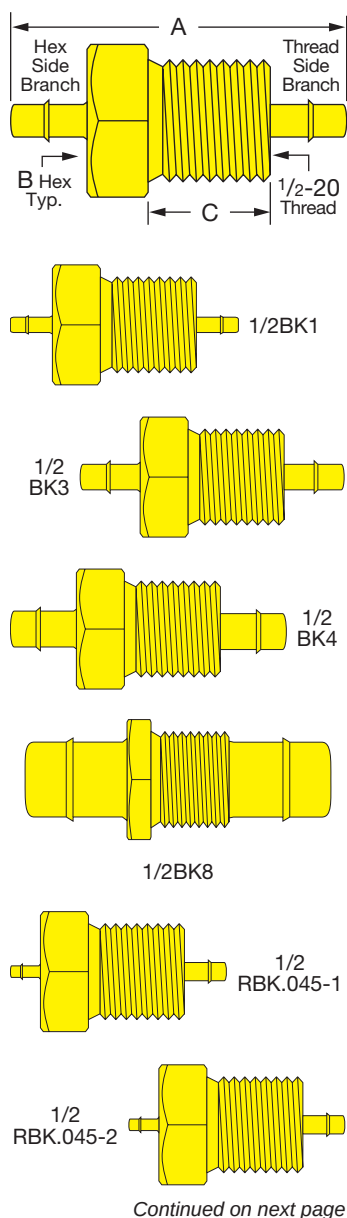


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**3/8-24 Inline Reducing Bulkhead Fittings with Lockwasher & Nut****669**

Tube ID		Part Numbers					Dimensions (Reference)		
Branch on Hex Side	Branch on Thread Side	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
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	1 3/32
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	1 3/32
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	1 3/32
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	1 3/32
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	1 3/32
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	1 3/32

3/8-28 Elbow, Tee, and V-Tee Bulkheads also available!
See page 384 for examples. Consult factory for details and specifications!

1/2-20 Inline Bulkhead & Reducing Bulkhead Fittings with Lockwasher & Nut**670**

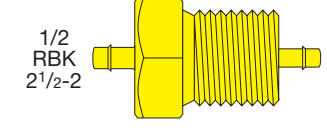
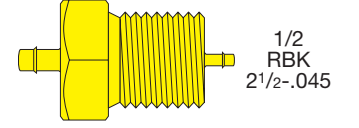
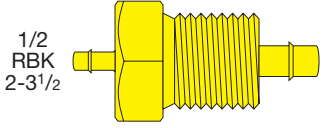
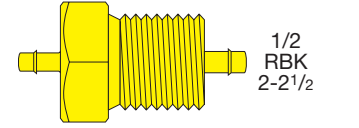
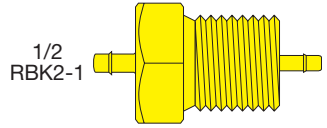
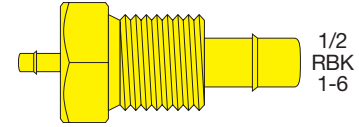
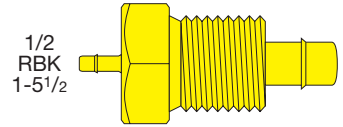
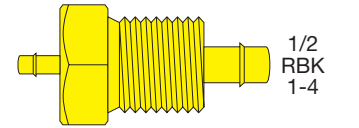
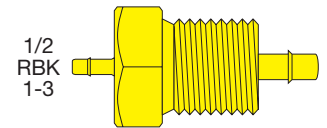
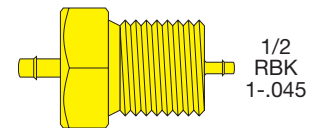
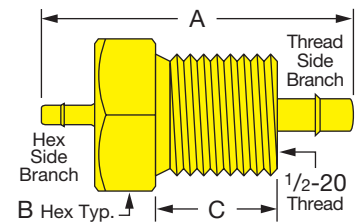
Tube ID		Part Numbers					Dimensions (Reference)		
Branch on Hex Side	Branch on Thread Side	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
3/64	3/64	1/2BK.045	1/2BK.045-SS	1/2BK.045-316SS	1/2BK.045-AL	1/2BK.045-NP	Consult Factory	5/8	1 3/32
1/16	1/16	1/2BK1	1/2BK1-SS	1/2BK1-316SS	1/2BK1-AL	1/2BK1-NP		5/8	1 3/32
5/64 / 2mm	5/64 / 2mm	1/2BK2	1/2BK2-SS	1/2BK2-316SS	1/2BK2-AL	1/2BK2-NP		5/8	1 3/32
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		5/8	1 3/32
1/8	1/8	1/2BK3	1/2BK3-SS	1/2BK3-316SS	1/2BK3-AL	1/2BK3-NP		5/8	1 3/32
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		5/8	1 3/32
.170	.170	1/2BK4	1/2BK4-SS	1/2BK4-316SS	1/2BK4-AL	1/2BK4-NP		5/8	1 3/32
3/16	3/16	1/2BK5	1/2BK5-SS	1/2BK5-316SS	1/2BK5-AL	1/2BK5-NP		5/8	1 3/32
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		5/8	1 3/32
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		5/8	1 3/32
1/4	1/4	1/2BK6	1/2BK6-SS	1/2BK6-316SS	1/2BK6-AL	1/2BK6-NP		5/8	1 3/32
5/16 / 8mm	5/16 / 8mm	1/2BK7	1/2BK7-SS	1/2BK7-316SS	1/2BK7-AL	1/2BK7-NP		5/8	1 3/32
3/8	3/8	1/2BK8	1/2BK8-SS	1/2BK8-316SS	1/2BK8-AL	1/2BK8-NP		5/8	1 3/32
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		5/8	1 3/32
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		5/8	1 3/32
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		5/8	1 3/32
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		5/8	1 3/32
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		5/8	1 3/32
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		5/8	1 3/32
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		5/8	1 3/32
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		5/8	1 3/32
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		5/8	1 3/32
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		5/8	1 3/32
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		5/8	1 3/32
3/64	3/8	1/2RBK.045-8	1/2RBK.045-8-SS	1/2RBK.045-8-316SS	1/2RBK.045-8-AL	1/2RBK.045-8-NP		5/8	1 3/32

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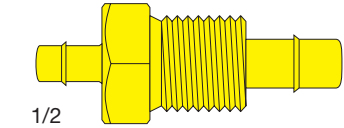
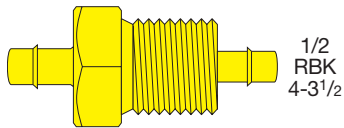
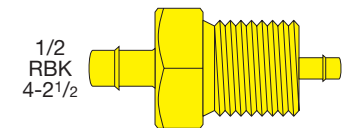
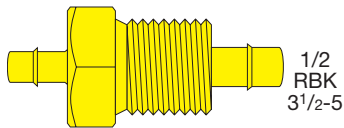
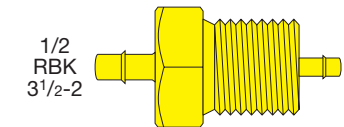
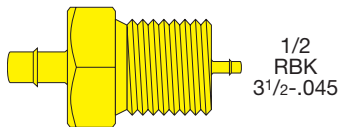
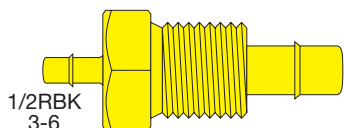
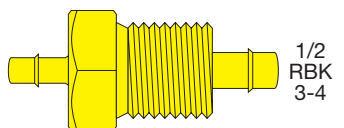
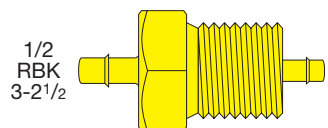
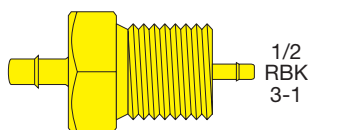
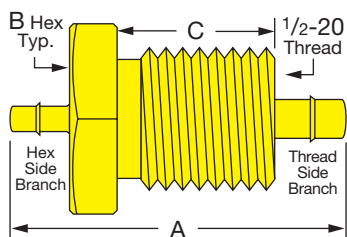
1/2-20 Inline Reducing Bulkhead Fittings with Lockwasher & Nut

Tube ID		Part Numbers					Dimensions (Reference)		
Branch on Hex Side	Branch on Thread Side	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	3/64	1/2RBK1-.045	1/2RBK1-.045-SS	1/2RBK1-.045-316SS	1/2RBK1-.045-AL	1/2RBK1-.045-NP	Consult Factory	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	Consult Factory	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	Consult Factory	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	Consult Factory	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	Consult Factory	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	Consult Factory	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	Consult Factory	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	Consult Factory	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	Consult Factory	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	Consult Factory	5/8	13/32
1/16	5/16 / 8mm	1/2RBK1-7	1/2RBK1-7-SS	1/2RBK1-7-316SS	1/2RBK1-7-AL	1/2RBK1-7-NP	Consult Factory	5/8	13/32
1/16	3/8	1/2RBK1-8	1/2RBK1-8-SS	1/2RBK1-8-316SS	1/2RBK1-8-AL	1/2RBK1-8-NP	Consult Factory	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	Consult Factory	5/8	13/32
5/64 / 2mm	5/64 / 2mm	1/2RBK2-1	1/2RBK2-1-SS	1/2RBK2-1-316SS	1/2RBK2-1-AL	1/2RBK2-1-NP	Consult Factory	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	Consult Factory	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	Consult Factory	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	Consult Factory	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	Consult Factory	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	Consult Factory	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	Consult Factory	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	Consult Factory	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	Consult Factory	5/8	13/32
5/64 / 2mm	5/16 / 8mm	1/2RBK2-7	1/2RBK2-7-SS	1/2RBK2-7-316SS	1/2RBK2-7-AL	1/2RBK2-7-NP	Consult Factory	5/8	13/32
5/64 / 2mm	3/8	1/2RBK2-8	1/2RBK2-8-SS	1/2RBK2-8-316SS	1/2RBK2-8-AL	1/2RBK2-8-NP	Consult Factory	5/8	13/32
3/32	3/64	1/2RBK2 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	Consult Factory	5/8	13/32
3/32	1/16	1/2RBK2 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-N	Consult Factory	5/8	13/32
3/32	5/64 / 2mm	1/2RBK2 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	Consult Factory	5/8	13/32
3/32	1/8	1/2RBK2 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	Consult Factory	5/8	13/32
3/32	5/32 / 4mm	1/2RBK2 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	Consult Factory	5/8	13/32
3/32	.170	1/2RBK2 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	Consult Factory	5/8	13/32
3/32	3/16	1/2RBK2 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	Consult Factory	5/8	13/32
3/32	7/32	1/2RBK2 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	Consult Factory	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	Consult Factory	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	Consult Factory	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	Consult Factory	5/8	13/32
3/32	3/8	1/2RBK2 1/2-8	1/2RBK2 1/2-8-SS	1/2RBK2 1/2-8-316SS	1/2RBK2 1/2-8-AL	1/2RBK2 1/2-8-NP	Consult Factory	5/8	13/32



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

**1/2-20 Inline Reducing Bulkhead Fittings with Lockwasher & Nut****672**

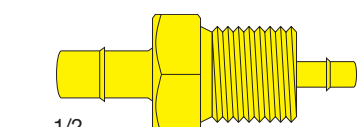
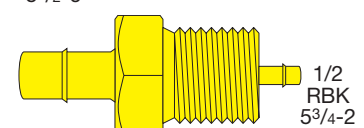
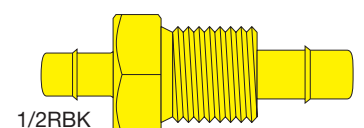
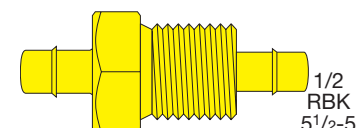
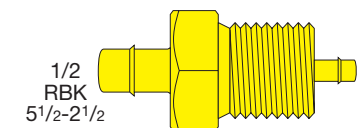
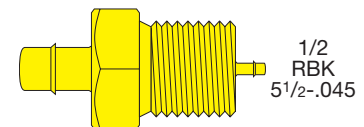
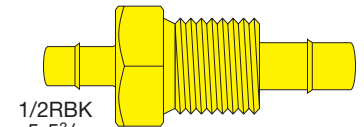
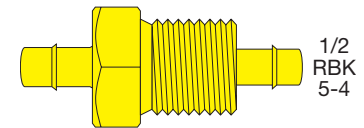
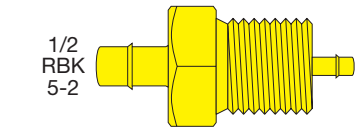
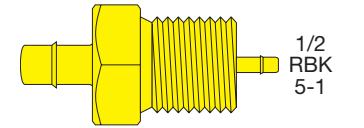
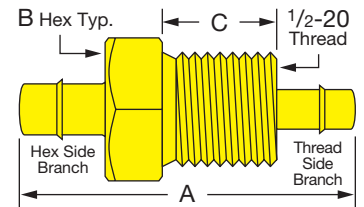
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Tube ID		Part Numbers					Dimensions (Reference)		
Branch on Hex Side	Branch on Thread Side	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/8	3/64	1/2RBK3-.045	1/2RBK3-.045-SS	1/2RBK3-.045-316SS	1/2RBK3-.045-AL	1/2RBK3-.045-NP	Consult Factory	5/8	13/32
1/8	1/16	1/2RBK3-1	1/2RBK3-1-SS	1/2RBK3-1-316SS	1/2RBK3-1-AL	1/2RBK3-1-NP		5/8	13/32
1/8	5/64 / 2mm	1/2RBK3-2	1/2RBK3-2-SS	1/2RBK3-2-316SS	1/2RBK3-2-AL	1/2RBK3-2-NP		5/8	13/32
1/8	3/32	1/2RBK3-2 1/2	1/2RBK3-2 1/2-SS	1/2RBK3-2 1/2-316SS	1/2RBK3-2 1/2-AL	1/2RBK3-2 1/2-NP		5/8	13/32
1/8	5/32 / 4mm	1/2RBK3-3 1/2	1/2RBK3-3 1/2-SS	1/2RBK3-3 1/2-316SS	1/2RBK3-3 1/2-AL	1/2RBK3-3 1/2-NP	Consult Factory	5/8	13/32
1/8	.170	1/2RBK3-4	1/2RBK3-4-SS	1/2RBK3-4-316SS	1/2RBK3-4-AL	1/2RBK3-4-NP		5/8	13/32
1/8	3/16	1/2RBK3-5	1/2RBK3-5-SS	1/2RBK3-5-316SS	1/2RBK3-5-AL	1/2RBK3-5-NP		5/8	13/32
1/8	7/32	1/2RBK3-5 1/2	1/2RBK3-5 1/2-SS	1/2RBK3-5 1/2-316SS	1/2RBK3-5 1/2-AL	1/2RBK3-5 1/2-NP		5/8	13/32
1/8	6mm	1/2RBK3-5 3/4	1/2RBK3-5 3/4-SS	1/2RBK3-5 3/4-316SS	1/2RBK3-5 3/4-AL	1/2RBK3-5 3/4-NP	Consult Factory	5/8	13/32
1/8	1/4	1/2RBK3-6	1/2RBK3-6-SS	1/2RBK3-6-316SS	1/2RBK3-6-AL	1/2RBK3-6-NP		5/8	13/32
1/8	5/16 / 8mm	1/2RBK3-7	1/2RBK3-7-SS	1/2RBK3-7-316SS	1/2RBK3-7-AL	1/2RBK3-7-NP		5/8	13/32
1/8	3/8	1/2RBK3-8	1/2RBK3-8-SS	1/2RBK3-8-316SS	1/2RBK3-8-AL	1/2RBK3-8-NP		5/8	13/32
5/32 / 4mm	3/64	1/2RBK3 1/2-.045	1/2RBK3 1/2-.045-SS	1/2RBK3 1/2-.045-316SS	1/2RBK3 1/2-.045-AL	1/2RBK3 1/2-.045-NP	Consult Factory	5/8	13/32
5/32 / 4mm	1/16	1/2RBK3 1/2-1	1/2RBK3 1/2-1-SS	1/2RBK3 1/2-1-316SS	1/2RBK3 1/2-1-AL	1/2RBK3 1/2-1-NP		5/8	13/32
5/32 / 4mm	5/64 / 2mm	1/2RBK3 1/2-2	1/2RBK3 1/2-2-SS	1/2RBK3 1/2-2-316SS	1/2RBK3 1/2-2-AL	1/2RBK3 1/2-2-NP		5/8	13/32
5/32 / 4mm	3/32	1/2RBK3 1/2-2 1/2	1/2RBK3 1/2-2 1/2-SS	1/2RBK3 1/2-2 1/2-316SS	1/2RBK3 1/2-2 1/2-AL	1/2RBK3 1/2-2 1/2-NP		5/8	13/32
5/32 / 4mm	1/8	1/2RBK3 1/2-3	1/2RBK3 1/2-3-SS	1/2RBK3 1/2-3-316SS	1/2RBK3 1/2-3-AL	1/2RBK3 1/2-3-NP	Consult Factory	5/8	13/32
5/32 / 4mm	.170	1/2RBK3 1/2-4	1/2RBK3 1/2-4-SS	1/2RBK3 1/2-4-316SS	1/2RBK3 1/2-4-AL	1/2RBK3 1/2-4-NP		5/8	13/32
5/32 / 4mm	3/16	1/2RBK3 1/2-5	1/2RBK3 1/2-5-SS	1/2RBK3 1/2-5-316SS	1/2RBK3 1/2-5-AL	1/2RBK3 1/2-5-NP		5/8	13/32
5/32 / 4mm	7/32	1/2RBK3 1/2-5 1/2	1/2RBK3 1/2-5 1/2-SS	1/2RBK3 1/2-5 1/2-316SS	1/2RBK3 1/2-5 1/2-AL	1/2RBK3 1/2-5 1/2-NP		5/8	13/32
5/32 / 4mm	6mm	1/2RBK3 1/2-5 3/4	1/2RBK3 1/2-5 3/4-SS	1/2RBK3 1/2-5 3/4-316SS	1/2RBK3 1/2-5 3/4-AL	1/2RBK3 1/2-5 3/4-NP	Consult Factory	5/8	13/32
5/32 / 4mm	1/4	1/2RBK3 1/2-6	1/2RBK3 1/2-6-SS	1/2RBK3 1/2-6-316SS	1/2RBK3 1/2-6-AL	1/2RBK3 1/2-6-NP		5/8	13/32
5/32 / 4mm	5/16 / 8mm	1/2RBK3 1/2-7	1/2RBK3 1/2-7-SS	1/2RBK3 1/2-7-316SS	1/2RBK3 1/2-7-AL	1/2RBK3 1/2-7-NP		5/8	13/32
5/32 / 4mm	3/8	1/2RBK3 1/2-8	1/2RBK3 1/2-8-SS	1/2RBK3 1/2-8-316SS	1/2RBK3 1/2-8-AL	1/2RBK3 1/2-8-NP		5/8	13/32
.170	3/64	1/2RBK4-.045	1/2RBK4-.045-SS	1/2RBK4-.045-316SS	1/2RBK4-.045-AL	1/2RBK4-.045-NP	Consult Factory	5/8	13/32
.170	1/16	1/2RBK4-1	1/2RBK4-1-SS	1/2RBK4-1-316SS	1/2RBK4-1-AL	1/2RBK4-1-NP		5/8	13/32
.170	5/64 / 2mm	1/2RBK4-2	1/2RBK4-2-SS	1/2RBK4-2-316SS	1/2RBK4-2-AL	1/2RBK4-2-NP		5/8	13/32
.170	3/32	1/2RBK4-2 1/2	1/2RBK4-2 1/2-SS	1/2RBK4-2 1/2-316SS	1/2RBK4-2 1/2-AL	1/2RBK4-2 1/2-NP		5/8	13/32
.170	1/8	1/2RBK4-3	1/2RBK4-3-SS	1/2RBK4-3-316SS	1/2RBK4-3-AL	1/2RBK4-3-NP	Consult Factory	5/8	13/32
.170	5/32 / 4mm	1/2RBK4-3 1/2	1/2RBK4-3 1/2-SS	1/2RBK4-3 1/2-316SS	1/2RBK4-3 1/2-AL	1/2RBK4-3 1/2-NP		5/8	13/32
.170	3/16	1/2RBK4-5	1/2RBK4-5-SS	1/2RBK4-5-316SS	1/2RBK4-5-AL	1/2RBK4-5-NP		5/8	13/32
.170	7/32	1/2RBK4-5 1/2	1/2RBK4-5 1/2-SS	1/2RBK4-5 1/2-316SS	1/2RBK4-5 1/2-AL	1/2RBK4-5 1/2-NP		5/8	13/32
.170	6mm	1/2RBK4-5 3/4	1/2RBK4-5 3/4-SS	1/2RBK4-5 3/4-316SS	1/2RBK4-5 3/4-AL	1/2RBK4-5 3/4-NP	Consult Factory	5/8	13/32
.170	1/4	1/2RBK4-6	1/2RBK4-6-SS	1/2RBK4-6-316SS	1/2RBK4-6-AL	1/2RBK4-6-NP		5/8	13/32
.170	5/16 / 8mm	1/2RBK4-7	1/2RBK4-7-SS	1/2RBK4-7-316SS	1/2RBK4-7-AL	1/2RBK4-7-NP		5/8	13/32
.170	3/8	1/2RBK4-8	1/2RBK4-8-SS	1/2RBK4-8-316SS	1/2RBK4-8-AL	1/2RBK4-8-NP		5/8	13/32

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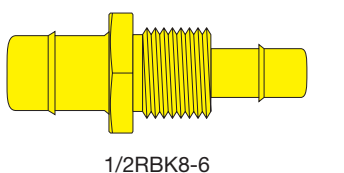
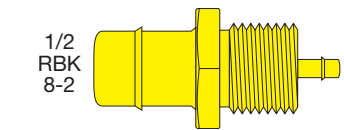
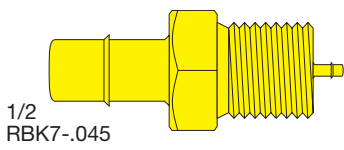
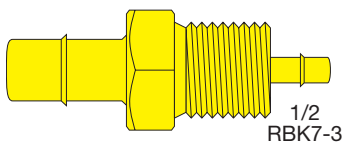
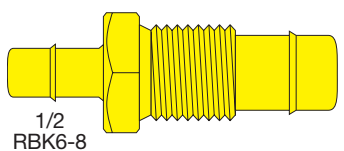
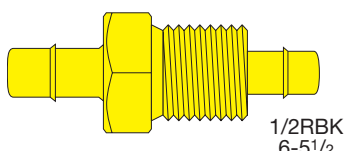
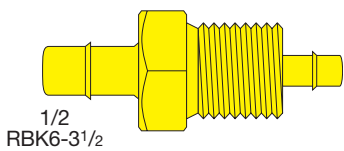
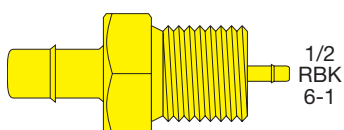
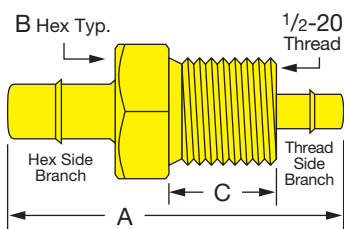
1/2-20 Inline Reducing Bulkhead Fittings with Lockwasher & Nut

Tube ID		Part Numbers					Dimensions (Reference)		
Branch on Hex Side	Branch on Thread Side	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
3/16	3/64	1/2RBK5-.045	1/2RBK5-.045-SS	1/2RBK5-.045-316SS	1/2RBK5-.045-AL	1/2RBK5-.045-NP	Consult Factory	5/8	13/32
3/16	1/16	1/2RBK5-1	1/2RBK5-1-SS	1/2RBK5-1-316SS	1/2RBK5-1-AL	1/2RBK5-1-NP		5/8	13/32
3/16	5/64/ 2mm	1/2RBK5-2	1/2RBK5-2-SS	1/2RBK5-2-316SS	1/2RBK5-2-AL	1/2RBK5-2-NP		5/8	13/32
3/16	3/32	1/2RBK5-2 1/2	1/2RBK5-2 1/2-SS	1/2RBK5-2 1/2-316SS	1/2RBK5-2 1/2-AL	1/2RBK5-2 1/2-NP	Consult Factory	5/8	13/32
3/16	1/8	1/2RBK5-3	1/2RBK5-3-SS	1/2RBK5-3-316SS	1/2RBK5-3-AL	1/2RBK5-3-NP		5/8	13/32
3/16	5/32 / 4mm	1/2RBK5-3 1/2	1/2RBK5-3 1/2-SS	1/2RBK5-3 1/2-316SS	1/2RBK5-3 1/2-AL	1/2RBK5-3 1/2-NP		5/8	13/32
3/16	.170	1/2RBK5-4	1/2RBK5-4-SS	1/2RBK5-4-316SS	1/2RBK5-4-AL	1/2RBK5-4-NP	Consult Factory	5/8	13/32
3/16	7/32	1/2RBK5-5 1/2	1/2RBK5-5 1/2-SS	1/2RBK5-5 1/2-316SS	1/2RBK5-5 1/2-AL	1/2RBK5-5 1/2-NP		5/8	13/32
3/16	6mm	1/2RBK5-5 3/4	1/2RBK5-5 3/4-SS	1/2RBK5-5 3/4-316SS	1/2RBK5-5 3/4-AL	1/2RBK5-5 3/4-NP		5/8	13/32
3/16	1/4	1/2RBK5-6	1/2RBK5-6-SS	1/2RBK5-6-316SS	1/2RBK5-6-AL	1/2RBK5-6-NP	Consult Factory	5/8	13/32
3/16	5/16 / 8mm	1/2RBK5-7	1/2RBK5-7-SS	1/2RBK5-7-316SS	1/2RBK5-7-AL	1/2RBK5-7-NP		5/8	13/32
3/16	3/8	1/2RBK5-8	1/2RBK5-8-SS	1/2RBK5-8-316SS	1/2RBK5-8-AL	1/2RBK5-8-NP		5/8	13/32
7/32	3/64	1/2RBK5 1/2-.045	1/2RBK5 1/2-.045-SS	1/2RBK5 1/2-.045-316SS	1/2RBK5 1/2-.045-AL	1/2RBK5 1/2-.045-NP	Consult Factory	5/8	13/32
7/32	1/16	1/2RBK5 1/2-1	1/2RBK5 1/2-1-SS	1/2RBK5 1/2-1-316SS	1/2RBK5 1/2-1-AL	1/2RBK5 1/2-1-NP		5/8	13/32
7/32	5/64/ 2mm	1/2RBK5 1/2-2	1/2RBK5 1/2-2-SS	1/2RBK5 1/2-2-316SS	1/2RBK5 1/2-2-AL	1/2RBK5 1/2-2-NP		5/8	13/32
7/32	3/32	1/2RBK5 1/2-2 1/2	1/2RBK5 1/2-2 1/2-SS	1/2RBK5 1/2-2 1/2-316SS	1/2RBK5 1/2-2 1/2-AL	1/2RBK5 1/2-2 1/2-NP	Consult Factory	5/8	13/32
7/32	1/8	1/2RBK5 1/2-3	1/2RBK5 1/2-3-SS	1/2RBK5 1/2-3-316SS	1/2RBK5 1/2-3-AL	1/2RBK5 1/2-3-NP		5/8	13/32
7/32	5/32/ 4mm	1/2RBK5 1/2-3 1/2	1/2RBK5 1/2-3 1/2-SS	1/2RBK5 1/2-3 1/2-316SS	1/2RBK5 1/2-3 1/2-AL	1/2RBK5 1/2-3 1/2-NP		5/8	13/32
7/32	.170	1/2RBK5 1/2-4	1/2RBK5 1/2-4-SS	1/2RBK5 1/2-4-316SS	1/2RBK5 1/2-4-AL	1/2RBK5 1/2-4-NP	Consult Factory	5/8	13/32
7/32	3/16	1/2RBK5 1/2-5	1/2RBK5 1/2-5-SS	1/2RBK5 1/2-5-316SS	1/2RBK5 1/2-5-AL	1/2RBK5 1/2-5-NP		5/8	13/32
7/32	6mm	1/2RBK5 1/2-5 3/4	1/2RBK5 1/2-5 3/4-SS	1/2RBK5 1/2-5 3/4-316SS	1/2RBK5 1/2-5 3/4-AL	1/2RBK5 1/2-5 3/4-NP		5/8	13/32
7/32	1/4	1/2RBK5 1/2-6	1/2RBK5 1/2-6-SS	1/2RBK5 1/2-6-316SS	1/2RBK5 1/2-6-AL	1/2RBK5 1/2-6-NP	Consult Factory	5/8	13/32
7/32	5/16 / 8mm	1/2RBK5 1/2-7	1/2RBK5 1/2-7-SS	1/2RBK5 1/2-7-316SS	1/2RBK5 1/2-7-AL	1/2RBK5 1/2-7-NP		5/8	13/32
7/32	3/8	1/2RBK5 1/2-8	1/2RBK5 1/2-8-SS	1/2RBK5 1/2-8-316SS	1/2RBK5 1/2-8-AL	1/2RBK5 1/2-8-NP		5/8	13/32
6mm	3/64	1/2RBK5 3/4-.045	1/2RBK5 3/4-.045-SS	1/2RBK5 3/4-.045-316SS	1/2RBK5 3/4-.045-AL	1/2RBK5 3/4-.045-NP	Consult Factory	5/8	13/32
6mm	1/16	1/2RBK5 3/4-1	1/2RBK5 3/4-1-SS	1/2RBK5 3/4-1-316SS	1/2RBK5 3/4-1-AL	1/2RBK5 3/4-1-NP		5/8	13/32
6mm	5/64/ 2mm	1/2RBK5 3/4-2	1/2RBK5 3/4-2-SS	1/2RBK5 3/4-2-316SS	1/2RBK5 3/4-2-AL	1/2RBK5 3/4-2-NP		5/8	13/32
6mm	3/32	1/2RBK5 3/4-2 1/2	1/2RBK5 3/4-2 1/2-SS	1/2RBK5 3/4-2 1/2-316SS	1/2RBK5 3/4-2 1/2-AL	1/2RBK5 3/4-2 1/2-NP	Consult Factory	5/8	13/32
6mm	1/8	1/2RBK5 3/4-3	1/2RBK5 3/4-3-SS	1/2RBK5 3/4-3-316SS	1/2RBK5 3/4-3-AL	1/2RBK5 3/4-3-NP		5/8	13/32
6mm	5/32/ 4mm	1/2RBK5 3/4-3 1/2	1/2RBK5 3/4-3 1/2-SS	1/2RBK5 3/4-3 1/2-316SS	1/2RBK5 3/4-3 1/2-AL	1/2RBK5 3/4-3 1/2-NP		5/8	13/32
6mm	.170	1/2RBK5 3/4-4	1/2RBK5 3/4-4-SS	1/2RBK5 3/4-4-316SS	1/2RBK5 3/4-4-AL	1/2RBK5 3/4-4-NP	Consult Factory	5/8	13/32
6mm	3/16	1/2RBK5 3/4-5	1/2RBK5 3/4-5-SS	1/2RBK5 3/4-5-316SS	1/2RBK5 3/4-5-AL	1/2RBK5 3/4-5-NP		5/8	13/32
6mm	7/32	1/2RBK5 3/4-5 1/2	1/2RBK5 3/4-5 1/2-SS	1/2RBK5 3/4-5 1/2-316SS	1/2RBK5 3/4-5 1/2-AL	1/2RBK5 3/4-5 1/2-NP		5/8	13/32
6mm	1/4	1/2RBK5 3/4-6	1/2RBK5 3/4-6-SS	1/2RBK5 3/4-6-316SS	1/2RBK5 3/4-6-AL	1/2RBK5 3/4-6-NP	Consult Factory	5/8	13/32
6mm	5/16 / 8mm	1/2RBK5 3/4-7	1/2RBK5 3/4-7-SS	1/2RBK5 3/4-7-316SS	1/2RBK5 3/4-7-AL	1/2RBK5 3/4-7-NP		5/8	13/32
6mm	3/8	1/2RBK5 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		5/8	13/32



Continued on next page

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

**1/2-20 Inline Reducing Bulkhead Fittings with Lockwasher & Nut****674**

1/2-20 Elbow, Tee, and V-Tee Bulkheads also available! See page 384 for examples! Consult factory for details and specifications!

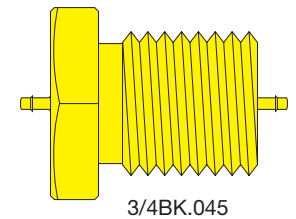
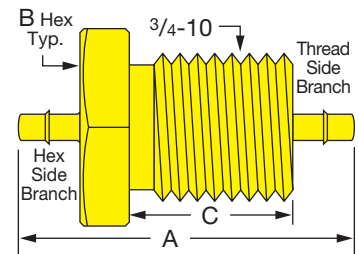
Note: Images are for visual representation only; not intended for dimensional measurements.

Tube ID		Part Numbers					Dimensions (Reference)		
Branch on Hex Side	Branch on Thread Side	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/4	3/64	1/2RBK6-.045	1/2RBK6-.045-SS	1/2RBK6-.045-316SS	1/2RBK6-.045-AL	1/2RBK6-.045-NP	Consult Factory	5/8	13/32
1/4	1/16	1/2RBK6-1	1/2RBK6-1-SS	1/2RBK6-1-316SS	1/2RBK6-1-AL	1/2RBK6-1-NP		5/8	13/32
1/4	5/64/2mm	1/2RBK6-2	1/2RBK6-2-SS	1/2RBK6-2-316SS	1/2RBK6-2-AL	1/2RBK6-2-NP	Consult Factory	5/8	13/32
1/4	3/32	1/2RBK6-2 1/2	1/2RBK6-2 1/2-SS	1/2RBK6-2 1/2-316SS	1/2RBK6-2 1/2-AL	1/2RBK6-2 1/2-NP		5/8	13/32
1/4	1/8	1/2RBK6-3	1/2RBK6-3-SS	1/2RBK6-3-316SS	1/2RBK6-3-AL	1/2RBK6-3-NP	Consult Factory	5/8	13/32
1/4	5/32/4mm	1/2RBK6-3 1/2	1/2RBK6-3 1/2-SS	1/2RBK6-3 1/2-316SS	1/2RBK6-3 1/2-AL	1/2RBK6-3 1/2-NP		5/8	13/32
1/4	.170	1/2RBK6-4	1/2RBK6-4-SS	1/2RBK6-4-316SS	1/2RBK6-4-AL	1/2RBK6-4-NP	Consult Factory	5/8	13/32
1/4	3/16	1/2RBK6-5	1/2RBK6-5-SS	1/2RBK6-5-316SS	1/2RBK6-5-AL	1/2RBK6-5-NP		5/8	13/32
1/4	7/32	1/2RBK6-5 1/2	1/2RBK6-5 1/2-SS	1/2RBK6-5 1/2-316SS	1/2RBK6-5 1/2-AL	1/2RBK6-5 1/2-NP	Consult Factory	5/8	13/32
1/4	6mm	1/2RBK6-5 3/4	1/2RBK6-5 3/4-SS	1/2RBK6-5 3/4-316SS	1/2RBK6-5 3/4-AL	1/2RBK6-5 3/4-NP		5/8	13/32
1/4	5/16/8mm	1/2RBK6-7	1/2RBK6-7-SS	1/2RBK6-7-316SS	1/2RBK6-7-AL	1/2RBK6-7-NP	Consult Factory	5/8	13/32
1/4	3/8	1/2RBK6-8	1/2RBK6-8-SS	1/2RBK6-8-316SS	1/2RBK6-8-AL	1/2RBK6-8-NP		5/8	13/32
5/16/8mm	3/64	1/2RBK7-.045	1/2RBK7-.045-SS	1/2RBK7-.045-316SS	1/2RBK7-.045-AL	1/2RBK7-.045-NP	Consult Factory	5/8	13/32
5/16/8mm	1/16	1/2RBK7-1	1/2RBK7-1-SS	1/2RBK7-1-316SS	1/2RBK7-1-AL	1/2RBK7-1-NP		5/8	13/32
5/16/8mm	5/64/2mm	1/2RBK7-2	1/2RBK7-2-SS	1/2RBK7-2-316SS	1/2RBK7-2-AL	1/2RBK7-2-NP	Consult Factory	5/8	13/32
5/16/8mm	3/32	1/2RBK7-2 1/2	1/2RBK7-2 1/2-SS	1/2RBK7-2 1/2-316SS	1/2RBK7-2 1/2-AL	1/2RBK7-2 1/2-NP		5/8	13/32
5/16/8mm	1/8	1/2RBK7-3	1/2RBK7-3-SS	1/2RBK7-3-316SS	1/2RBK7-3-AL	1/2RBK7-3-NP	Consult Factory	5/8	13/32
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		5/8	13/32
5/16/8mm	.170	1/2RBK7-4	1/2RBK7-4-SS	1/2RBK7-4-316SS	1/2RBK7-4-AL	1/2RBK7-4-NP	Consult Factory	5/8	13/32
5/16/8mm	3/16	1/2RBK7-5	1/2RBK7-5-SS	1/2RBK7-5-316SS	1/2RBK7-5-AL	1/2RBK7-5-NP		5/8	13/32
5/16/8mm	7/32	1/2RBK7-5 1/2	1/2RBK7-5 1/2-SS	1/2RBK7-5 1/2-316SS	1/2RBK7-5 1/2-AL	1/2RBK7-5 1/2-NP	Consult Factory	5/8	13/32
5/16/8mm	6mm	1/2RBK7-5 3/4	1/2RBK7-5 3/4-SS	1/2RBK7-5 3/4-316SS	1/2RBK7-5 3/4-AL	1/2RBK7-5 3/4-NP		5/8	13/32
5/16/8mm	1/4	1/2RBK7-6	1/2RBK7-6-SS	1/2RBK7-6-316SS	1/2RBK7-6-AL	1/2RBK7-6-NP	Consult Factory	5/8	13/32
5/16/8mm	3/8	1/2RBK7-8	1/2RBK7-8-SS	1/2RBK7-8-316SS	1/2RBK7-8-AL	1/2RBK7-8-NP		5/8	13/32
3/8	3/64	1/2RBK8-.045	1/2RBK8-.045-SS	1/2RBK8-.045-316SS	1/2RBK8-.045-AL	1/2RBK8-.045-NP	Consult Factory	5/8	13/32
3/8	1/16	1/2RBK8-1	1/2RBK8-1-SS	1/2RBK8-1-316SS	1/2RBK8-1-AL	1/2RBK8-1-NP		5/8	13/32
3/8	5/64/2mm	1/2RBK8-2	1/2RBK8-2-SS	1/2RBK8-2-316SS	1/2RBK8-2-AL	1/2RBK8-2-NP	Consult Factory	5/8	13/32
3/8	3/32	1/2RBK8-2 1/2	1/2RBK8-2 1/2-SS	1/2RBK8-2 1/2-316SS	1/2RBK8-2 1/2-AL	1/2RBK8-2 1/2-NP		5/8	13/32
3/8	1/8	1/2RBK8-3	1/2RBK8-3-SS	1/2RBK8-3-316SS	1/2RBK8-3-AL	1/2RBK8-3-NP	Consult Factory	5/8	13/32
3/8	5/32/4mm	1/2RBK8-3 1/2	1/2RBK8-3 1/2-SS	1/2RBK8-3 1/2-316SS	1/2RBK8-3 1/2-AL	1/2RBK8-3 1/2-NP		5/8	13/32
3/8	.170	1/2RBK8-4	1/2RBK8-4-SS	1/2RBK8-4-316SS	1/2RBK8-4-AL	1/2RBK8-4-NP	Consult Factory	5/8	13/32
3/8	3/16	1/2RBK8-5	1/2RBK8-5-SS	1/2RBK8-5-316SS	1/2RBK8-5-AL	1/2RBK8-5-NP		5/8	13/32
3/8	7/32	1/2RBK8-5 1/2	1/2RBK8-5 1/2-SS	1/2RBK8-5 1/2-316SS	1/2RBK8-5 1/2-AL	1/2RBK8-5 1/2-NP	Consult Factory	5/8	13/32
3/8	6mm	1/2RBK8-5 3/4	1/2RBK8-5 3/4-SS	1/2RBK8-5 3/4-316SS	1/2RBK8-5 3/4-AL	1/2RBK8-5 3/4-NP		5/8	13/32
3/8	1/4	1/2RBK8-6	1/2RBK8-6-SS	1/2RBK8-6-316SS	1/2RBK8-6-AL	1/2RBK8-6-NP	Consult Factory	5/8	13/32
3/8	5/16/8mm	1/2RBK8-7	1/2RBK8-7-SS	1/2RBK8-7-316SS	1/2RBK8-7-AL	1/2RBK8-7-NP		5/8	13/32

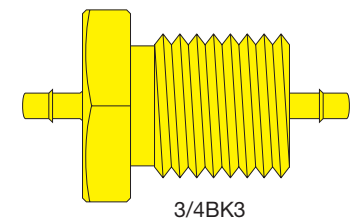
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3/4-10 Inline Bulkhead & Reducing Bulkhead Fittings with Lockwasher & Nut

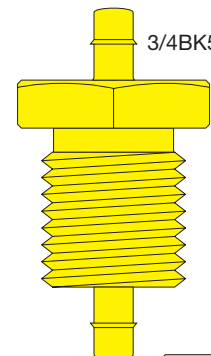
Tube ID		Part Numbers					Dimensions (Reference)		
Branch on Hex Side	Branch on Thread Side	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
3/64	3/64	3/4BK.045	3/4BK.045-SS	3/4BK.045-316SS	3/4BK.045-AL	3/4BK.045-NP	1 ²⁵ / ₆₄	1	5 ³ / ₆₄
1/16	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 ³⁷ / ₆₄	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	1 ⁶³ / ₆₄	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



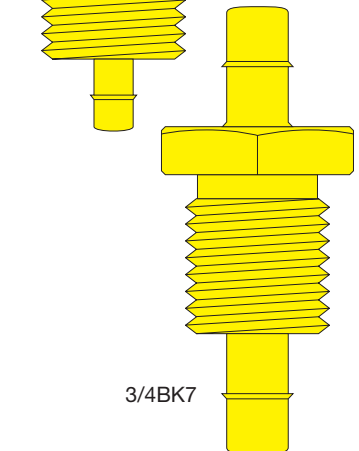
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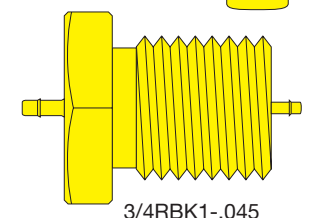
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3/4BK5



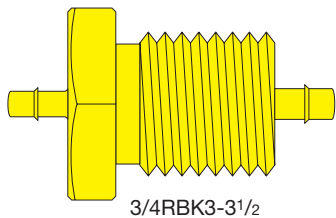
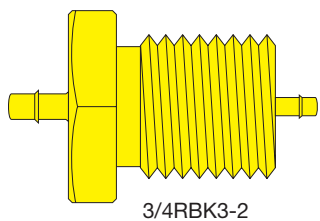
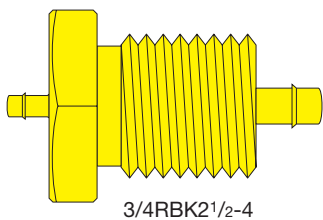
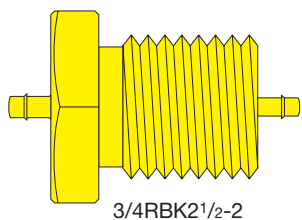
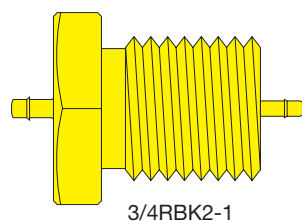
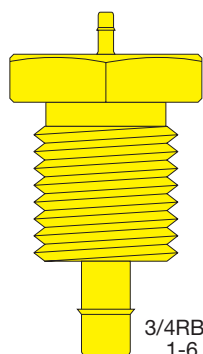
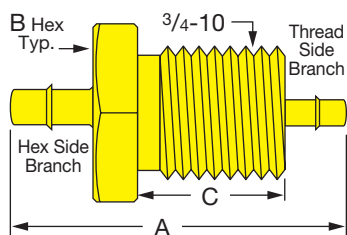
3/4BK7



3/4RBK1-.045

Continued on next page

Note: the drawings in this section have been altered from the previous catalog.

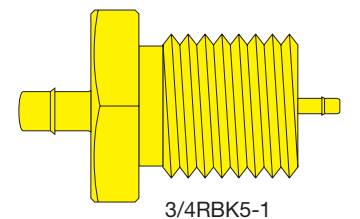
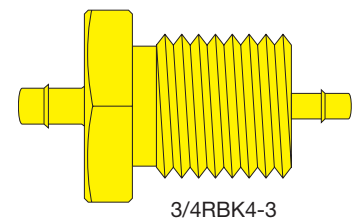
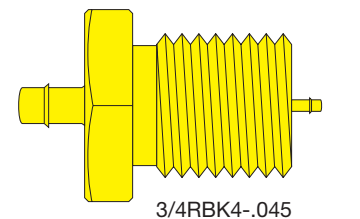
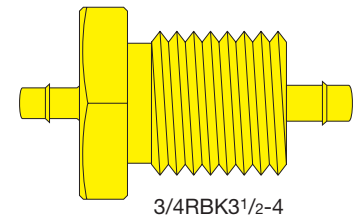
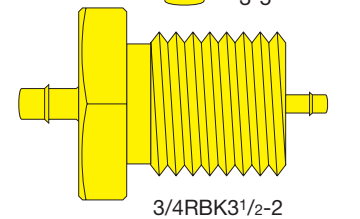
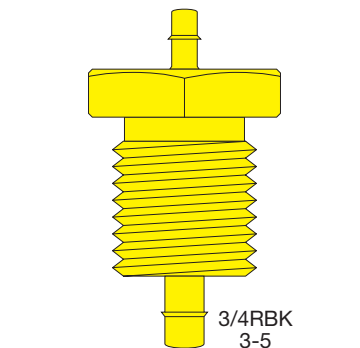
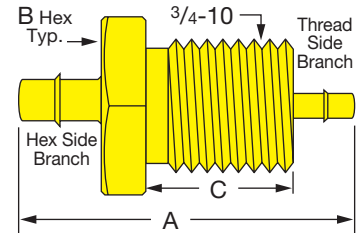
**3/4-10 Inline Reducing Bulkhead Fittings with Lockwasher & Nut****676**

Tube ID		Part Numbers					Dimensions (Reference)		
Branch on Hex Side	Branch on Thread Side	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	6mm	3/4RBK1-5 3/4	3/4RBK1-5 3/4-SS	3/4RBK1-5 3/4-316SS	3/4RBK1-5 3/4-AL	3/4RBK1-5 3/4-NP	1 51/64	1	53/64
1/16	1/4	3/4RBK1-6	3/4RBK1-6-SS	3/4RBK1-6-316SS	3/4RBK1-6-AL	3/4RBK1-6-NP	1 51/64	1	53/64
1/16	5/16 / 8mm	3/4RBK1-7	3/4RBK1-7-SS	3/4RBK1-7-116SS	3/4RBK1-7-AL	3/4RBK1-7-NP	1 59/64	1	53/64
1/16	3/8	3/4RBK1-8	3/4RBK1-8-SS	3/4RBK1-8-116SS	3/4RBK1-8-AL	3/4RBK1-8-NP	1 53/64	1	53/64
1/16	1/2	3/4RBK1-10	3/4RBK1-10-SS	3/4RBK1-10-116SS	3/4RBK1-10-AL	3/4RBK1-10-NP	2 3/64	1	53/64
5/64 / 2mm	3/64	3/4RBK2-.045	3/4RBK2-.045-SS	3/4RBK2-.045-316SS	3/4RBK2-.045-AL	3/4RBK2-.045-NP	1 29/64	1	53/64
5/64 / 2mm	5/64 / 2mm	3/4RBK2-1	3/4RBK2-1-SS	3/4RBK2-1-316SS	3/4RBK2-1-AL	3/4RBK2-1-NP	1 33/64	1	53/64
5/64 / 2mm	3/32	3/4RBK2-2 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	53/64
5/64 / 2mm	1/8	3/4RBK2-3	3/4RBK2-3-SS	3/4RBK2-3-316SS	3/4RBK2-3-AL	3/4RBK2-3-NP	1 39/64	1	53/64
5/64 / 2mm	5/32 / 4mm	3/4RBK2-3 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	53/64
5/64 / 2mm	.170	3/4RBK2-4	3/4RBK2-4-SS	3/4RBK2-4-316SS	3/4RBK2-4-AL	3/4RBK2-4-NP	1 41/64	1	53/64
5/64 / 2mm	3/16	3/4RBK2-5	3/4RBK2-5-SS	3/4RBK2-5-316SS	3/4RBK2-5-AL	3/4RBK2-5-NP	1 43/64	1	53/64
5/64 / 2mm	7/32	3/4RBK2-5 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	53/64
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	53/64
5/64 / 2mm	1/4	3/4RBK2-6	3/4RBK2-6-SS	3/4RBK2-6-316SS	3/4RBK2-6-AL	3/4RBK2-6-NP	1 51/64	1	53/64
5/64 / 2mm	5/16 / 8mm	3/4RBK2-7	3/4RBK2-7-SS	3/4RBK2-7-216SS	3/4RBK2-7-AL	3/4RBK2-7-NP	1 59/64	1	53/64
5/64 / 2mm	3/8	3/4RBK2-8	3/4RBK2-8-SS	3/4RBK2-8-216SS	3/4RBK2-8-AL	3/4RBK2-8-NP	1 53/64	1	53/64
5/64 / 2mm	1/2	3/4RBK2-10	3/4RBK2-10-SS	3/4RBK2-10-116SS	3/4RBK2-10-AL	3/4RBK2-10-NP	2 3/64	1	53/64
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	53/64
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	53/64
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	53/64
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	53/64
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	53/64
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	53/64
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	53/64
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	53/64
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	53/64
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	53/64
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	53/64
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	53/64
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 3/64	1	53/64
1/8	3/64	3/4RBK3-.045	3/4RBK3-.045-SS	3/4RBK3-.045-316SS	3/4RBK3-.045-AL	3/4RBK3-.045-NP	1 35/64	1	53/64
1/8	1/16	3/4RBK3-1	3/4RBK3-1-SS	3/4RBK3-1-316SS	3/4RBK3-1-AL	3/4RBK3-1-NP	1 39/64	1	53/64
1/8	5/64 / 2mm	3/4RBK3-2	3/4RBK3-2-SS	3/4RBK3-2-316SS	3/4RBK3-2-AL	3/4RBK3-2-NP	1 39/64	1	53/64
1/8	3/32	3/4RBK3-2 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	53/64

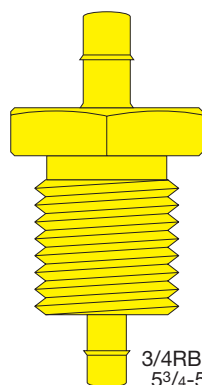
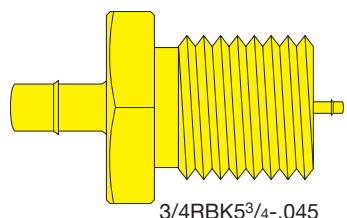
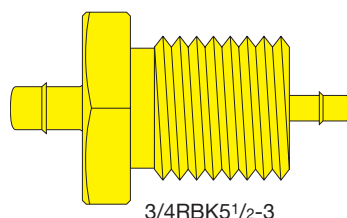
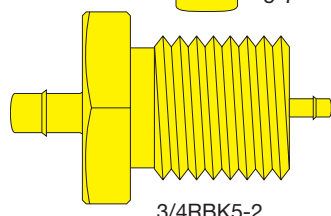
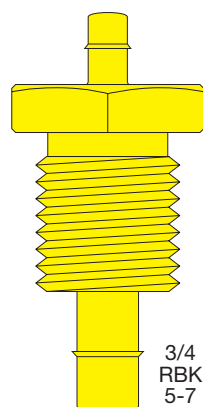
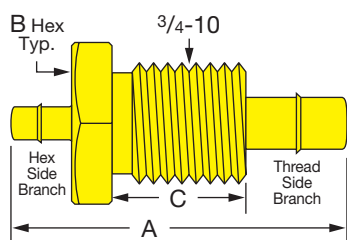
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3/4-10 Inline Reducing Bulkhead Fittings with Lockwasher & Nut

Tube ID		Part Numbers					Dimensions (Reference)		
Branch on Hex Side	Branch on Thread Side	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
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	53/64
1/8	.170	3/4RBK3-4	3/4RBK3-4-SS	3/4RBK3-4-316SS	3/4RBK3-4-AL	3/4RBK3-4-NP	1 47/64	1	53/64
1/8	3/16	3/4RBK3-5	3/4RBK3-5-SS	3/4RBK3-5-316SS	3/4RBK3-5-AL	3/4RBK3-5-NP	1 49/64	1	53/64
1/8	7/32	3/4RBK3-5 1/2	3/4RBK3-5 1/2-SS	3/4RBK3-5 1/2-316SS	3/4RBK3-5 1/2-AL	3/4RBK3-5 1/2-NP	1 49/64	1	53/64
1/8	6mm	3/4RBK3-5 3/4	3/4RBK3-5 3/4-SS	3/4RBK3-5 3/4-316SS	3/4RBK3-5 3/4-AL	3/4RBK3-5 3/4-NP	1 57/64	1	53/64
1/8	1/4	3/4RBK3-6	3/4RBK3-6-SS	3/4RBK3-6-316SS	3/4RBK3-6-AL	3/4RBK3-6-NP	1 57/64	1	53/64
1/8	5/16 / 8mm	3/4RBK3-7	3/4RBK3-7-SS	3/4RBK3-7-316SS	3/4RBK3-7-AL	3/4RBK3-7-NP	2 1/64	1	53/64
1/8	3/8	3/4RBK3-8	3/4RBK3-8-SS	3/4RBK3-8-316SS	3/4RBK3-8-AL	3/4RBK3-8-NP	1 59/64	1	53/64
1/8	1/2	3/4RBK3-10	3/4RBK3-10-SS	3/4RBK3-10-316SS	3/4RBK3-10-AL	3/4RBK3-10-NP	2 9/64	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 9/64	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 11/64	1	53/64



Continued on next page

**3/4-10 Inline Reducing Bulkhead Fittings with Lockwasher & Nut****678**

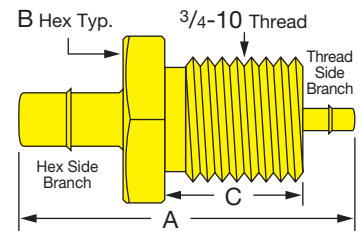
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Tube ID		Part Numbers					Dimensions (Reference)		
Branch on Hex Side	Branch on Thread Side	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
3/16	3/64	3/4RBK5-.045	3/4RBK5-.045-SS	3/4RBK5-.045-316SS	3/4RBK5-.045-AL	3/4RBK5-.045-NP	1 ³⁹ / ₆₄	1	5 ³ / 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	5 ³ / 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	5 ³ / ₆₄
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	5 ³ / 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	5 ³ / 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	5 ³ / 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	5 ³ / 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	5 ³ / 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	5 ³ / 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	5 ³ / 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	5 ³ / 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	5 ³ / 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 ¹³ / ₆₄	1	5 ³ / 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	5 ³ / 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	5 ³ / 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	5 ³ / 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	5 ³ / 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	5 ³ / 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	5 ³ / 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	5 ³ / 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	5 ³ / 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	5 ³ / 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	5 ³ / 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	5 ³ / 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	5 ³ / 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 ¹³ / ₆₄	1	5 ³ / 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	5 ³ / 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	5 ³ / 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	5 ³ / 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	5 ³ / 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	5 ³ / 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	5 ³ / 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	5 ³ / 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	5 ³ / 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	5 ³ / ₆₄

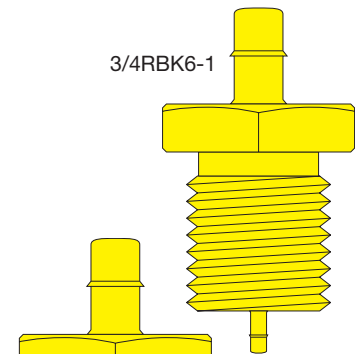
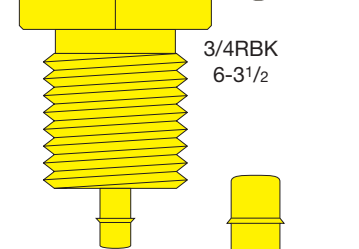
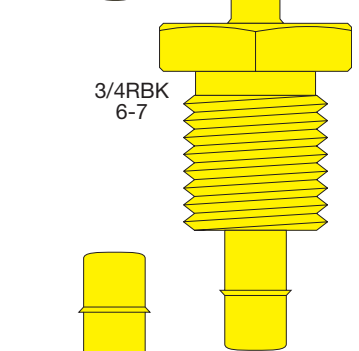
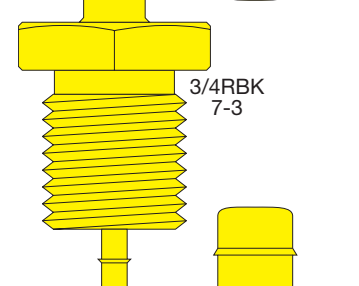
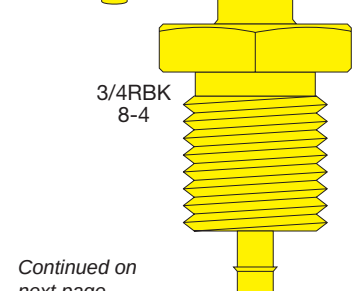
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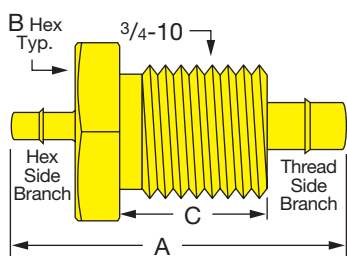
3/4-10 Inline Reducing Bulkhead Fittings with Lockwasher & Nut

Tube ID		Part Numbers					Dimensions (Reference)		
Branch on Hex Side	Branch on Thread Side	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
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	5 ³ / 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	5 ³ / 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	5 ³ / 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 ²¹ / ₆₄	1	5 ³ / ₆₄
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 ²¹ / ₆₄	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 ²⁹ / ₆₄	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

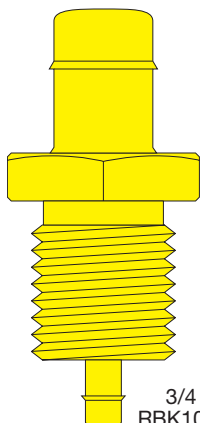
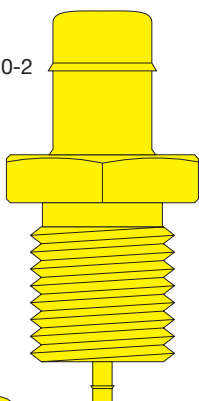


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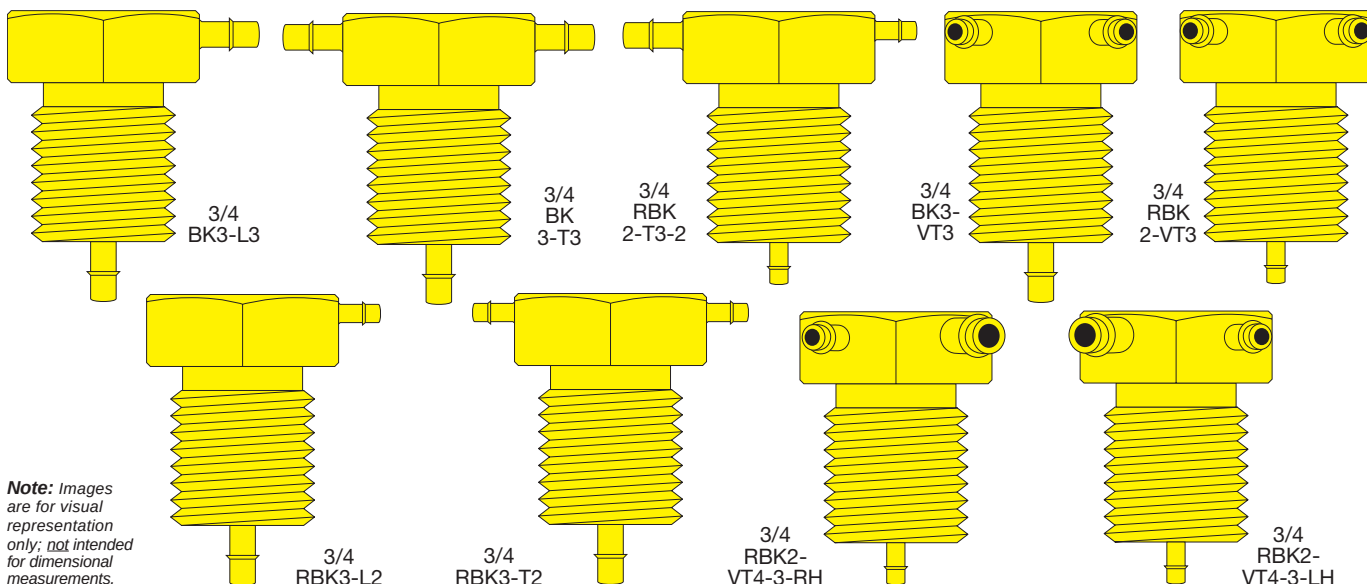
3/4RBK
6-3 1/23/4RBK
6-73/4RBK
7-33/4RBK
8-4Continued on
next page

**3/4-10 Inline Reducing Bulkhead Fittings with Lockwasher & Nut****680**

3/4RBK10-2

3/4
RBK10-4

Tube ID		Part Numbers					Dimensions (Reference)		
Branch on Hex Side	Branch on Thread Side	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
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
3/8	1/4	3/4RBK8-6	3/4RBK8-6-SS	3/4RBK8-6-316SS	3/4RBK8-6-AL	3/4RBK8-6-NP	2 7/64	1	5 3/64
3/8	5/16/8mm	3/4RBK8-7	3/4RBK8-7-SS	3/4RBK8-7-316SS	3/4RBK8-7-AL	3/4RBK8-7-NP	2 15/64	1	5 3/64
3/8	1/2	3/4RBK8-10	3/4RBK8-10-SS	3/4RBK8-10-316SS	3/4RBK8-10-AL	3/4RBK8-10-NP	2 23/64	1	5 3/64
1/2	3/64	3/4RBK10-.045	3/4RBK10-.045-SS	3/4RBK10-.045-316SS	3/4RBK10-.045-AL	3/4RBK10-.045-NP	1 63/64	1	5 3/64
1/2	1/16	3/4RBK10-1	3/4RBK10-1-SS	3/4RBK10-1-316SS	3/4RBK10-1-AL	3/4RBK10-1-NP	2 3/64	1	5 3/64
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 3/64	1	5 3/64
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 3/64	1	5 3/64
1/2	1/8	3/4RBK10-3	3/4RBK10-3-SS	3/4RBK10-3-316SS	3/4RBK10-3-AL	3/4RBK10-3-NP	2 9/64	1	5 3/64
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 9/64	1	5 3/64
1/2	.170	3/4RBK10-4	3/4RBK10-4-SS	3/4RBK10-4-316SS	3/4RBK10-4-AL	3/4RBK10-4-NP	2 11/64	1	5 3/64
1/2	3/16	3/4RBK10-5	3/4RBK10-5-SS	3/4RBK10-5-316SS	3/4RBK10-5-AL	3/4RBK10-5-NP	2 13/64	1	5 3/64
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 13/64	1	5 3/64
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 21/64	1	5 3/64
1/2	1/4	3/4RBK10-6	3/4RBK10-6-SS	3/4RBK10-6-316SS	3/4RBK10-6-AL	3/4RBK10-6-NP	2 21/64	1	5 3/64
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 29/64	1	5 3/64
1/2	3/8	3/4RBK10-8	3/4RBK10-8-SS	3/4RBK10-8-316SS	3/4RBK10-8-AL	3/4RBK10-8-NP	2 23/64	1	5 3/64

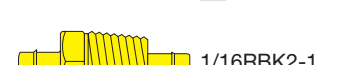
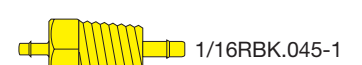
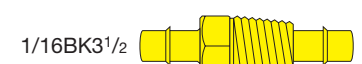
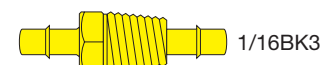
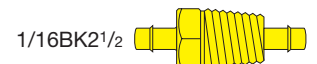
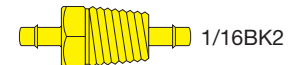
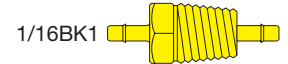
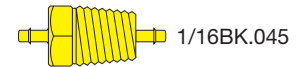
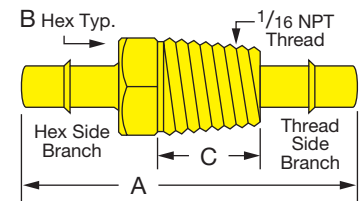
3/4-10 Elbow, Tee, & V-Tee Bulkheads also available! Consult factory for details!

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

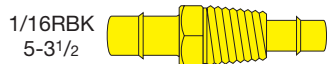
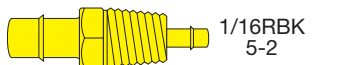
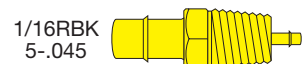
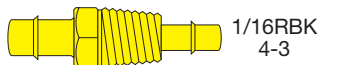
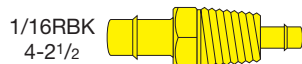
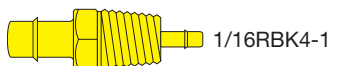
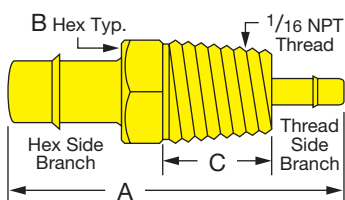
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1/16 NPT Inline Bulkhead & Reducing Bulkhead Fittings

Tube ID		Part Numbers					Dimensions (Reference)		
Branch on Hex Side	Branch on Thread Side	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	Consult Factory	5/16	1/3
1/16	1/16	1/16BK1	1/16BK1-SS	1/16BK1-316SS	1/16BK1-AL	1/16BK1-NP		5/16	1/3
5/64 / 2mm	5/64 / 2mm	1/16BK2	1/16BK2-SS	1/16BK2-316SS	1/16BK2-AL	1/16BK2-NP		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		5/16	1/3
1/8	1/8	1/16BK3	1/16BK3-SS	1/16BK3-316SS	1/16BK3-AL	1/16BK3-NP		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		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		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		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		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		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		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		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		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		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		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		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		5/16	1/3
5/64 / 2mm	5/64 / 2mm	1/16RBK2-1	1/16RBK2-1-SS	1/16RBK2-1-316SS	1/16RBK2-1-AL	1/16RBK2-1-NP		5/16	1/3
5/64 / 2mm	3/32	1/16RBK 2-2 1/2	1/16RBK2-2 1/2-SS	1/16RBK2-2 1/2-316SS	1/16RBK2-2 1/2-AL	1/16RBK2-2 1/2-NP		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		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		5/16	1/3
3/32	3/64	1/16RBK 2 1/2-.045	1/16RBK2 1/2-.045-SS	1/16RBK2 1/2-.045-316SS	1/16RBK2 1/2-.045-AL	1/16RBK2 1/2-.045-NP	Consult Factory	5/16	1/3
3/32	1/16	1/16RBK 2 1/2-1	1/16RBK2 1/2-1-SS	1/16RBK2 1/2-1-316SS	1/16RBK2 1/2-1-AL	1/16RBK2 1/2-1-N		5/16	1/3
3/32	5/64 / 2mm	1/16RBK 2 1/2-2	1/16RBK2 1/2-2-SS	1/16RBK2 1/2-2-316SS	1/16RBK2 1/2-2-AL	1/16RBK2 1/2-2-NP		5/16	1/3
3/32	1/8	1/16RBK 2 1/2-3	1/16RBK2 1/2-3-SS	1/16RBK2 1/2-3-316SS	1/16RBK2 1/2-3-AL	1/16RBK2 1/2-3-NP		5/16	1/3
3/32	5/32 / 4mm	1/16RBK 2 1/2-3 1/2	1/16RBK2 1/2-3 1/2-SS	1/16RBK2 1/2-3 1/2-316SS	1/16RBK2 1/2-3 1/2-AL	1/16RBK2 1/2-3 1/2-NP		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		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		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		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		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		5/16	1/3
5/32 / 4mm	3/64	1/16RBK 3 1/2-.045	1/16RBK3 1/2-.045-SS	1/16RBK3 1/2-.045-316SS	1/16RBK3 1/2-.045-AL	1/16RBK3 1/2-.045-NP		5/16	1/3
5/32 / 4mm	1/16	1/16RBK 3 1/2-1	1/16RBK3 1/2-1-SS	1/16RBK3 1/2-1-316SS	1/16RBK3 1/2-1-AL	1/16RBK3 1/2-1-NP		5/16	1/3
5/32 / 4mm	5/64 / 2mm	1/16RBK 3 1/2-2	1/16RBK3 1/2-2-SS	1/16RBK3 1/2-2-316SS	1/16RBK3 1/2-2-AL	1/16RBK3 1/2-2-NP		5/16	1/3
5/32 / 4mm	3/32	1/16RBK 3 1/2-2 1/2	1/16RBK3 1/2-2 1/2-SS	1/16RBK3 1/2-2 1/2-316SS	1/16RBK3 1/2-2 1/2-AL	1/16RBK3 1/2-2 1/2-NP		5/16	1/3
5/32 / 4mm	1/8	1/16RBK 3 1/2-3	1/16RBK3 1/2-3-SS	1/16RBK3 1/2-3-316SS	1/16RBK3 1/2-3-AL	1/16RBK3 1/2-3-NP		5/16	1/3



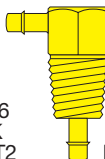
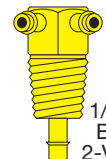
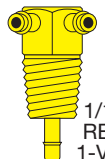
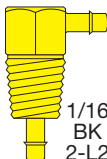
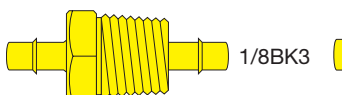
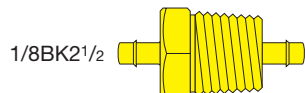
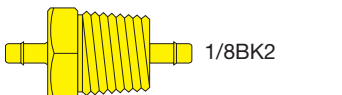
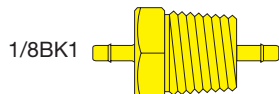
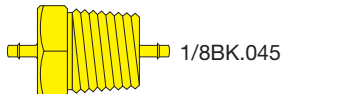
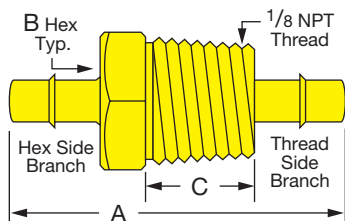
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**1/16 NPT Inline Reducing Bulkhead Fittings****682**

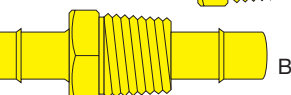
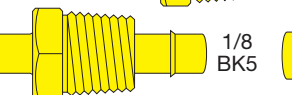
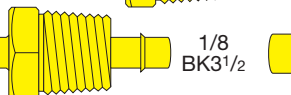
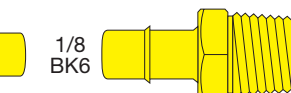
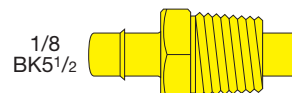
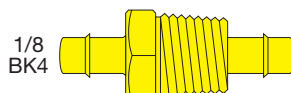
Note: The drawings in this section have been altered from the previous catalog to more accurately represent the part numbers.

Tube ID		Part Numbers					Dimensions (Reference)		
Branch on Hex Side	Branch on Thread Side	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	Consult Factory	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		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		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		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		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		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		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		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		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		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	Consult Factory	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		5/16	1/3

1/16 NPT Thread Elbow, Tee, and V-Tee Bulkheads also available! Consult factory for details!

**1/8 NPT Inline Bulkhead Fittings****683**

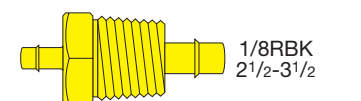
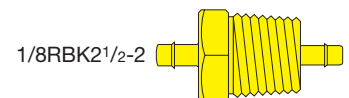
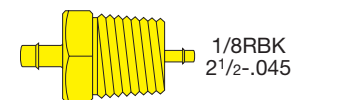
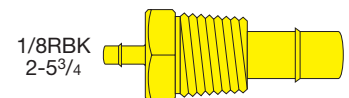
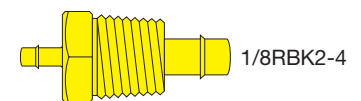
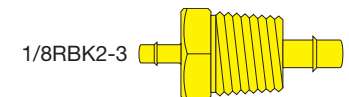
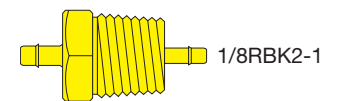
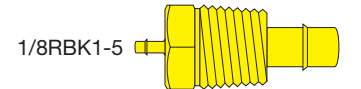
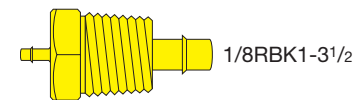
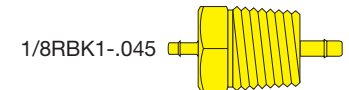
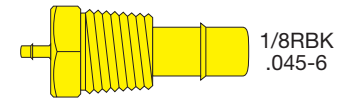
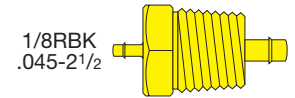
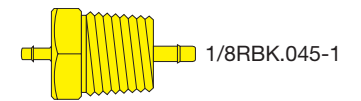
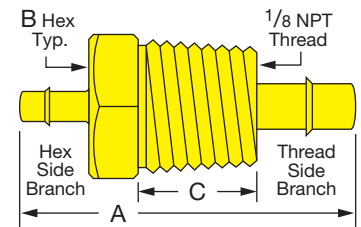
Tube ID		Part Numbers					Dimensions (Reference)		
Branch on Hex Side	Branch on Thread Side	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
3/64	3/64	1/8BK.045	1/8BK.045-SS	1/8BK.045-316SS	1/8BK.045-AL	1/8BK.045-NP	27/32	7/16	3/8
1/16	1/16	1/8BK1	1/8BK1-SS	1/8BK1-316SS	1/8BK1-AL	1/8BK1-NP	3/32	7/16	3/8
5/64 / 2mm	5/64 / 2mm	1/8BK2	1/8BK2-SS	1/8BK2-316SS	1/8BK2-AL	1/8BK2-NP	3/32	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	3/32	7/16	3/8
1/8	1/8	1/8BK3	1/8BK3-SS	1/8BK3-316SS	1/8BK3-AL	1/8BK3-NP	1 5/32	7/16	3/8
5/32 / 4mm	5/32 / 4mm	1/8BK3 1/2	1/8BK3 1/2-SS	1/8BK3 1/2-316SS	1/8BK3 1/2-AL	1/8BK3 1/2-NP	1 5/32	7/16	3/8
.170	.170	1/8BK4	1/8BK4-SS	1/8BK4-316SS	1/8BK4-AL	1/8BK4-NP	1 7/32	7/16	3/8
3/16	3/16	1/8BK5	1/8BK5-SS	1/8BK5-316SS	1/8BK5-AL	1/8BK5-NP	1 9/32	7/16	3/8
7/32	7/32	1/8BK5 1/2	1/8BK5 1/2-SS	1/8BK5 1/2-316SS	1/8BK5 1/2-AL	1/8BK5 1/2-NP	1 9/32	7/16	3/8
6mm	6mm	1/8BK5 3/4	1/8BK5 3/4-SS	1/8BK5 3/4-316SS	1/8BK5 3/4-AL	1/8BK5 3/4-NP	1 17/32	7/16	3/8
1/4	1/4	1/8BK6	1/8BK6-SS	1/8BK6-316SS	1/8BK6-AL	1/8BK6-NP	1 17/32	7/16	3/8



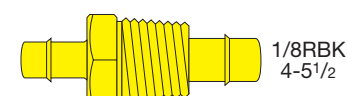
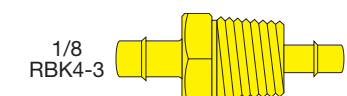
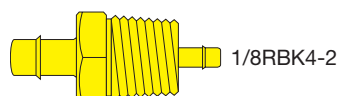
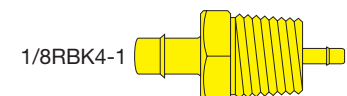
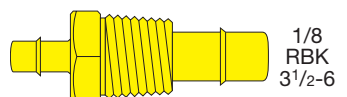
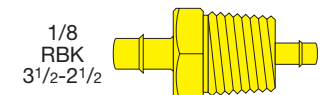
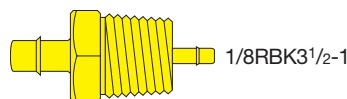
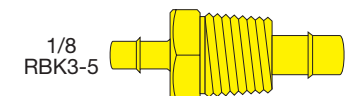
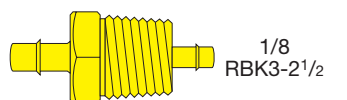
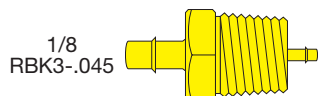
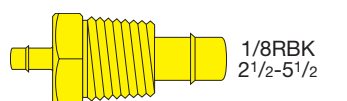
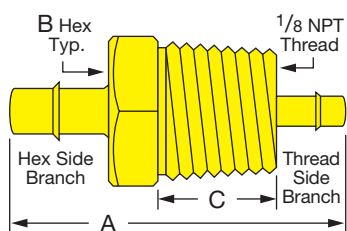
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1/8 NPT Inline Reducing Bulkhead Fittings

Tube ID		Part Numbers					Dimensions (Reference)		
Branch on Hex Side	Branch on Thread Side	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	1/8RBK1-.045	1/8RBK1-.045-SS	1/8RBK1-.045-316SS	1/8RBK1-.045-AL	1/8RBK1-.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	3/32	7/16	3/8
1/16	3/32	1/8RBK1-2 1/2	1/8RBK1-2 1/2-SS	1/8RBK1-2 1/2-316SS	1/8RBK1-2 1/2-AL	1/8RBK1-2 1/2-NP	3/32	7/16	3/8
1/16	1/8	1/8RBK1-3	1/8RBK1-3-SS	1/8RBK1-3-316SS	1/8RBK1-3-AL	1/8RBK1-3-NP	1 1/16	7/16	3/8
1/16	5/32/ 4mm	1/8RBK1-3 1/2	1/8RBK1-3 1/2-SS	1/8RBK1-3 1/2-316SS	1/8RBK1-3 1/2-AL	1/8RBK1-3 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	1/8RBK1-5 1/2	1/8RBK1-5 1/2-SS	1/8RBK1-5 1/2-316SS	1/8RBK1-5 1/2-AL	1/8RBK1-5 1/2-NP	1 1/8	7/16	3/8
1/16	6mm	1/8RBK1-5 3/4	1/8RBK1-5 3/4-SS	1/8RBK1-5 3/4-316SS	1/8RBK1-5 3/4-AL	1/8RBK1-5 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	1/8RBK2-.045	1/8RBK2-.045-SS	1/8RBK2-.045-316SS	1/8RBK2-.045-AL	1/8RBK2-.045-NP	29/32	7/16	3/8
5/64/ 2mm	5/64/ 2mm	1/8RBK2-1	1/8RBK2-1-SS	1/8RBK2-1-316SS	1/8RBK2-1-AL	1/8RBK2-1-NP	3/32	7/16	3/8
5/64/ 2mm	3/32	1/8RBK2-2 1/2	1/8RBK2-2 1/2-SS	1/8RBK2-2 1/2-316SS	1/8RBK2-2 1/2-AL	1/8RBK2-2 1/2-NP	3/32	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	1/8RBK2-3 1/2	1/8RBK2-3 1/2-SS	1/8RBK2-3 1/2-316SS	1/8RBK2-3 1/2-AL	1/8RBK2-3 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	1/8RBK2-5 1/2	1/8RBK2-5 1/2-SS	1/8RBK2-5 1/2-316SS	1/8RBK2-5 1/2-AL	1/8RBK2-5 1/2-NP	1 1/8	7/16	3/8
5/64/ 2mm	6mm	1/8RBK2-5 3/4	1/8RBK2-5 3/4-SS	1/8RBK2-5 3/4-316SS	1/8RBK2-5 3/4-AL	1/8RBK2-5 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	1/8RBK2 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	1/8RBK2 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	3/32	7/16	3/8
3/32	5/64/ 2mm	1/8RBK2 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	3/32	7/16	3/8
3/32	1/8	1/8RBK2 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	1/8RBK2 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	1/8RBK2 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	1/8RBK2 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



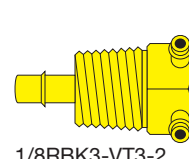
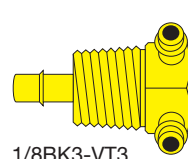
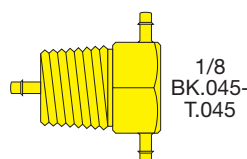
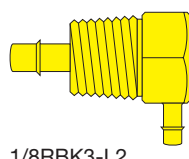
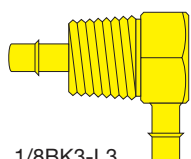
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**1/8 NPT Inline Reducing Bulkhead Fittings****685**

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Tube ID		Part Numbers					Dimensions (Reference)		
Branch on Hex Side	Branch on Thread Side	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
3/32	7/32	1/8RBK2 1/2-5 1/2	1/8RBK2 1/2-5 1/2-SS	1/8RBK2 1/2-5 1/2-316SS	1/8RBK2 1/2-5 1/2-AL	1/8RBK2 1/2-5 1/2-NP	1 1/8	7/16	3/8
3/32	6mm	1/8RBK2 1/2-5 3/4	1/8RBK2 1/2-5 3/4-SS	1/8RBK2 1/2-5 3/4-316SS	1/8RBK2 1/2-5 3/4-AL	1/8RBK2 1/2-5 3/4-NP	1 1/4	7/16	3/8
3/32	2 1/2	1/8RBK2 1/2-6	1/8RBK2 1/2-6-SS	1/8RBK2 1/2-6-316SS	1/8RBK2 1/2-6-AL	1/8RBK2 1/2-6-NP	1 1/4	7/16	3/8
1/8	3/64	1/8RBK3-.045	1/8RBK3-.045-SS	1/8RBK3-.045-316SS	1/8RBK3-.045-AL	1/8RBK3-.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	1/8RBK3-2 1/2	1/8RBK3-2 1/2-SS	1/8RBK3-2 1/2-316SS	1/8RBK3-2 1/2-AL	1/8RBK3-2 1/2-NP	1 1/16	7/16	3/8
1/8	5/32 / 4mm	1/8RBK3-3 1/2	1/8RBK3-3 1/2-SS	1/8RBK3-3 1/2-316SS	1/8RBK3-3 1/2-AL	1/8RBK3-3 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	1/8RBK3-5 1/2	1/8RBK3-5 1/2-SS	1/8RBK3-5 1/2-316SS	1/8RBK3-5 1/2-AL	1/8RBK3-5 1/2-NP	1 9/32	7/16	3/8
1/8	6mm	1/8RBK3-5 3/4	1/8RBK3-5 3/4-SS	1/8RBK3-5 3/4-316SS	1/8RBK3-5 3/4-AL	1/8RBK3-5 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	1/8RBK3 1/2-.045	1/8RBK3 1/2-.045-SS	1/8RBK3 1/2-.045-316SS	1/8RBK3 1/2-.045-AL	1/8RBK3 1/2-.045-NP	1	7/16	3/8
5/32 / 4mm	1/16	1/8RBK3 1/2-1	1/8RBK3 1/2-1-SS	1/8RBK3 1/2-1-316SS	1/8RBK3 1/2-1-AL	1/8RBK3 1/2-1-NP	1 1/16	7/16	3/8
5/32 / 4mm	5/64 / 2mm	1/8RBK3 1/2-2	1/8RBK3 1/2-2-SS	1/8RBK3 1/2-2-316SS	1/8RBK3 1/2-2-AL	1/8RBK3 1/2-2-NP	1 1/16	7/16	3/8
5/32 / 4mm	3/32	1/8RBK3 1/2-2 1/2	1/8RBK3 1/2-2 1/2-SS	1/8RBK3 1/2-2 1/2-316SS	1/8RBK3 1/2-2 1/2-AL	1/8RBK3 1/2-2 1/2-NP	1 1/16	7/16	3/8
5/32 / 4mm	1/8	1/8RBK3 1/2-3	1/8RBK3 1/2-3-SS	1/8RBK3 1/2-3-316SS	1/8RBK3 1/2-3-AL	1/8RBK3 1/2-3-NP	1 5/32	7/16	3/8
5/32 / 4mm	.170	1/8RBK3 1/2-4	1/8RBK3 1/2-4-SS	1/8RBK3 1/2-4-316SS	1/8RBK3 1/2-4-AL	1/8RBK3 1/2-4-NP	1 3/16	7/16	3/8
5/32 / 4mm	3/16	1/8RBK3 1/2-5	1/8RBK3 1/2-5-SS	1/8RBK3 1/2-5-316SS	1/8RBK3 1/2-5-AL	1/8RBK3 1/2-5-NP	1 9/32	7/16	3/8
5/32 / 4mm	7/32	1/8RBK3 1/2-5 1/2	1/8RBK3 1/2-5 1/2-SS	1/8RBK3 1/2-5 1/2-316SS	1/8RBK3 1/2-5 1/2-AL	1/8RBK3 1/2-5 1/2-NP	1 9/32	7/16	3/8
5/32 / 4mm	6mm	1/8RBK3 1/2-5 3/4	1/8RBK3 1/2-5 3/4-SS	1/8RBK3 1/2-5 3/4-316SS	1/8RBK3 1/2-5 3/4-AL	1/8RBK3 1/2-5 3/4-NP	1 11/32	7/16	3/8
5/32 / 4mm	1/4	1/8RBK3 1/2-6	1/8RBK3 1/2-6-SS	1/8RBK3 1/2-6-316SS	1/8RBK3 1/2-6-AL	1/8RBK3 1/2-6-NP	1 11/32	7/16	3/8
.170	3/64	1/8RBK4-.045	1/8RBK4-.045-SS	1/8RBK4-.045-316SS	1/8RBK4-.045-AL	1/8RBK4-.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	1/8RBK4-2 1/2	1/8RBK4-2 1/2-SS	1/8RBK4-2 1/2-316SS	1/8RBK4-2 1/2-AL	1/8RBK4-2 1/2-NP	1 3/32	7/16	3/8
.170	1/8	1/8RBK4-3	1/8RBK4-3-SS	1/8RBK4-3-316SS	1/8RBK4-3-AL	1/8RBK4-3-NP	1 3/16	7/16	3/8
.170	5/32 / 4mm	1/8RBK4-3 1/2	1/8RBK4-3 1/2-SS	1/8RBK4-3 1/2-316SS	1/8RBK4-3 1/2-AL	1/8RBK4-3 1/2-NP	1 3/16	7/16	3/8
.170	3/16	1/8RBK4-5	1/8RBK4-5-SS	1/8RBK4-5-316SS	1/8RBK4-5-AL	1/8RBK4-5-NP	1 1/4	7/16	3/8
.170	7/32	1/8RBK4-5 1/2	1/8RBK4-5 1/2-SS	1/8RBK4-5 1/2-316SS	1/8RBK4-5 1/2-AL	1/8RBK4-5 1/2-NP	1 1/4	7/16	3/8
.170	6mm	1/8RBK4-5 3/4	1/8RBK4-5 3/4-SS	1/8RBK4-5 3/4-316SS	1/8RBK4-5 3/4-AL	1/8RBK4-5 3/4-NP	1 3/8	7/16	3/8

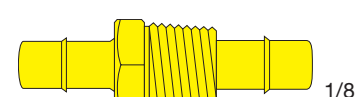
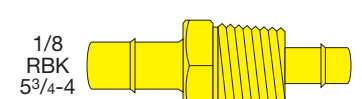
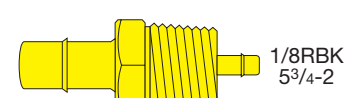
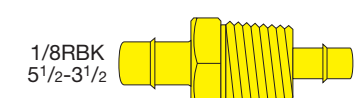
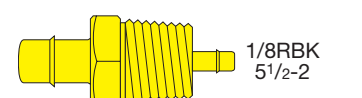
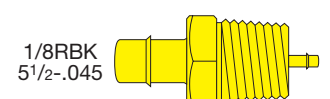
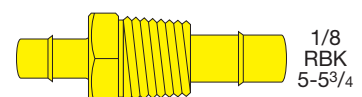
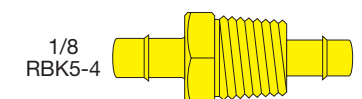
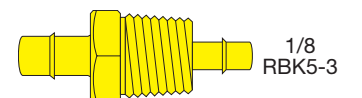
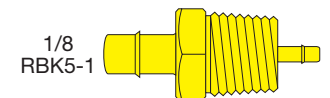
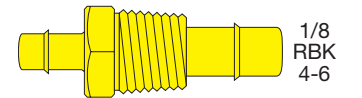
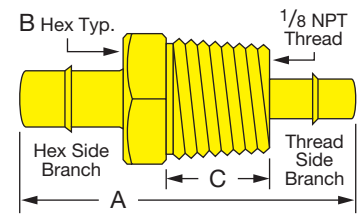
1/8 NPT Thread Elbow, Tee, and V-Tee Bulkheads also available! Consult factory for details!



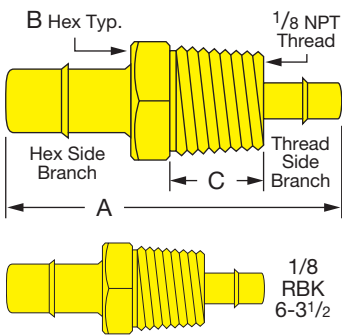
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1/8 NPT Inline Reducing Bulkhead Fittings

Tube ID		Part Numbers					Dimensions (Reference)		
Branch on Hex Side	Branch on Thread Side	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
.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	1/8RBK5-.045	1/8RBK5-.045-SS	1/8RBK5-.045-316SS	1/8RBK5-.045-AL	1/8RBK5-.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	1/8RBK5-2 1/2	1/8RBK5-2 1/2-SS	1/8RBK5-2 1/2-316SS	1/8RBK5-2 1/2-AL	1/8RBK5-2 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	1/8RBK5-3 1/2	1/8RBK5-3 1/2-SS	1/8RBK5-3 1/2-316SS	1/8RBK5-3 1/2-AL	1/8RBK5-3 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	1/8RBK5-5 1/2	1/8RBK5-5 1/2-SS	1/8RBK5-5 1/2-316SS	1/8RBK5-5 1/2-AL	1/8RBK5-5 1/2-NP	1 9/32	7/16	3/8
3/16	6mm	1/8RBK5-5 3/4	1/8RBK5-5 3/4-SS	1/8RBK5-5 3/4-316SS	1/8RBK5-5 3/4-AL	1/8RBK5-5 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	1/8RBK5 1/2-.045	1/8RBK5 1/2-.045-SS	1/8RBK5 1/2-.045-316SS	1/8RBK5 1/2-.045-AL	1/8RBK5 1/2-.045-NP	1 1/16	7/16	3/8
7/32	1/16	1/8RBK5 1/2-1	1/8RBK5 1/2-1-SS	1/8RBK5 1/2-1-316SS	1/8RBK5 1/2-1-AL	1/8RBK5 1/2-1-NP	1 1/8	7/16	3/8
7/32	5/64 / 2mm	1/8RBK5 1/2-2	1/8RBK5 1/2-2-SS	1/8RBK5 1/2-2-316SS	1/8RBK5 1/2-2-AL	1/8RBK5 1/2-2-NP	1 1/8	7/16	3/8
7/32	3/32	1/8RBK5 1/2-2 1/2	1/8RBK5 1/2-2 1/2-SS	1/8RBK5 1/2-2 1/2-316SS	1/8RBK5 1/2-2 1/2-AL	1/8RBK5 1/2-2 1/2-NP	1 1/8	7/16	3/8
7/32	1/8	1/8RBK5 1/2-3	1/8RBK5 1/2-3-SS	1/8RBK5 1/2-3-316SS	1/8RBK5 1/2-3-AL	1/8RBK5 1/2-3-NP	1 9/32	7/16	3/8
7/32	5/32 / 4mm	1/8RBK5 1/2-3 1/2	1/8RBK5 1/2-3 1/2-SS	1/8RBK5 1/2-3 1/2-316SS	1/8RBK5 1/2-3 1/2-AL	1/8RBK5 1/2-3 1/2-NP	1 9/32	7/16	3/8
7/32	.170	1/8RBK5 1/2-4	1/8RBK5 1/2-4-SS	1/8RBK5 1/2-4-316SS	1/8RBK5 1/2-4-AL	1/8RBK5 1/2-4-NP	1 1/4	7/16	3/8
7/32	3/16	1/8RBK5 1/2-5	1/8RBK5 1/2-5-SS	1/8RBK5 1/2-5-316SS	1/8RBK5 1/2-5-AL	1/8RBK5 1/2-5-NP	1 9/32	7/16	3/8
7/32	6mm	1/8RBK5 1/2-5 3/4	1/8RBK5 1/2-5 3/4-SS	1/8RBK5 1/2-5 3/4-316SS	1/8RBK5 1/2-5 3/4-AL	1/8RBK5 1/2-5 3/4-NP	1 13/32	7/16	3/8
7/32	1/4	1/8RBK5 1/2-6	1/8RBK5 1/2-6-SS	1/8RBK5 1/2-6-316SS	1/8RBK5 1/2-6-AL	1/8RBK5 1/2-6-NP	1 13/32	7/16	3/8
6mm	3/64	1/8RBK5 3/4-.045	1/8RBK5 3/4-.045-SS	1/8RBK5 3/4-.045-316SS	1/8RBK5 3/4-.045-AL	1/8RBK5 3/4-.045-NP	1 3/16	7/16	3/8
6mm	1/16	1/8RBK5 3/4-1	1/8RBK5 3/4-1-SS	1/8RBK5 3/4-1-316SS	1/8RBK5 3/4-1-AL	1/8RBK5 3/4-1-NP	1 1/4	7/16	3/8
6mm	5/64 / 2mm	1/8RBK5 3/4-2	1/8RBK5 3/4-2-SS	1/8RBK5 3/4-2-316SS	1/8RBK5 3/4-2-AL	1/8RBK5 3/4-2-NP	1 1/4	7/16	3/8
6mm	3/32	1/8RBK5 3/4-2 1/2	1/8RBK5 3/4-2 1/2-SS	1/8RBK5 3/4-2 1/2-316SS	1/8RBK5 3/4-2 1/2-AL	1/8RBK5 3/4-2 1/2-NP	1 1/4	7/16	3/8
6mm	1/8	1/8RBK5 3/4-3	1/8RBK5 3/4-3-SS	1/8RBK5 3/4-3-316SS	1/8RBK5 3/4-3-AL	1/8RBK5 3/4-3-NP	1 11/32	7/16	3/8
6mm	5/32 / 4mm	1/8RBK5 3/4-3 1/2	1/8RBK5 3/4-3 1/2-SS	1/8RBK5 3/4-3 1/2-316SS	1/8RBK5 3/4-3 1/2-AL	1/8RBK5 3/4-3 1/2-NP	1 11/32	7/16	3/8
6mm	.170	1/8RBK5 3/4-4	1/8RBK5 3/4-4-SS	1/8RBK5 3/4-4-316SS	1/8RBK5 3/4-4-AL	1/8RBK5 3/4-4-NP	1 3/8	7/16	3/8
6mm	3/16	1/8RBK5 3/4-5	1/8RBK5 3/4-5-SS	1/8RBK5 3/4-5-316SS	1/8RBK5 3/4-5-AL	1/8RBK5 3/4-5-NP	1 13/32	7/16	3/8
6mm	7/32	1/8RBK5 3/4-5 1/2	1/8RBK5 3/4-5 1/2-SS	1/8RBK5 3/4-5 1/2-316SS	1/8RBK5 3/4-5 1/2-AL	1/8RBK5 3/4-5 1/2-NP	1 13/32	7/16	3/8
6mm	1/4	1/8RBK5 3/4-6	1/8RBK5 3/4-6-SS	1/8RBK5 3/4-6-316SS	1/8RBK5 3/4-6-AL	1/8RBK5 3/4-6-NP	1 17/32	7/16	3/8
1/4	3/64	1/8RBK6-.045	1/8RBK6-.045-SS	1/8RBK6-.045-316SS	1/8RBK6-.045-AL	1/8RBK6-.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
1/4	3/32	1/8RBK6-2 1/2	1/8RBK6-2 1/2-SS	1/8RBK6-2 1/2-316SS	1/8RBK6-2 1/2-AL	1/8RBK6-2 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

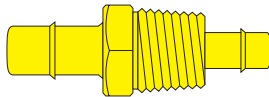


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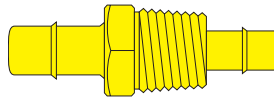
**1/8 NPT Inline Reducing Bulkhead Fittings****687**

Tube ID		Part Numbers					Dimensions (Reference)		
Branch on Hex Side	Branch on Thread Side	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/4	5/32 / 4mm	1/8RBK6-3 1/2	1/8RBK6-3 1/2-SS	1/8RBK6-3 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	1/8RBK6-5 1/2	1/8RBK6-5 1/2-SS	1/8RBK6-5 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	1/8RBK6-5 3/4	1/8RBK6-5 3/4-SS	1/8RBK6-5 3/4-316SS	1/8RBK6-5 3/4-AL	1/8RBK6-5 3/4-NP	1 17/32	7/16	3/8

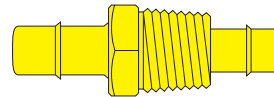
Note:
Images are for visual representation only; not intended for dimensional measurements.



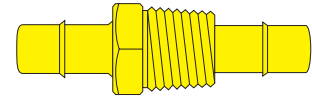
1/8RBK6-4



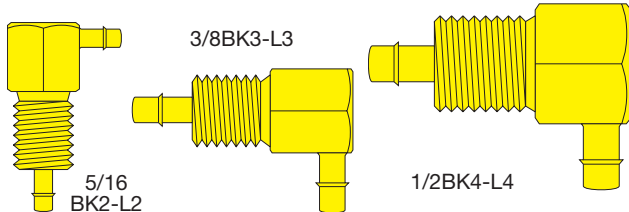
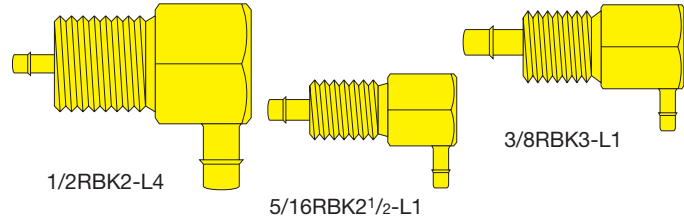
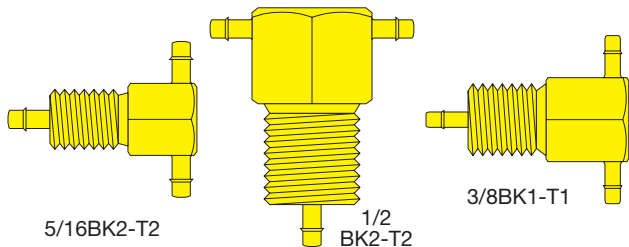
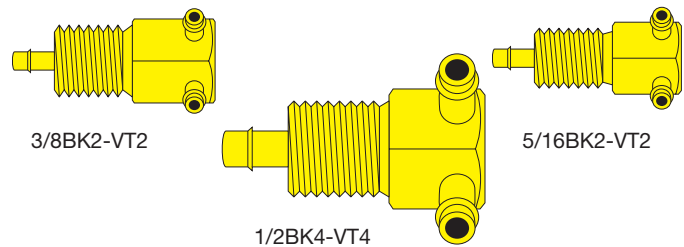
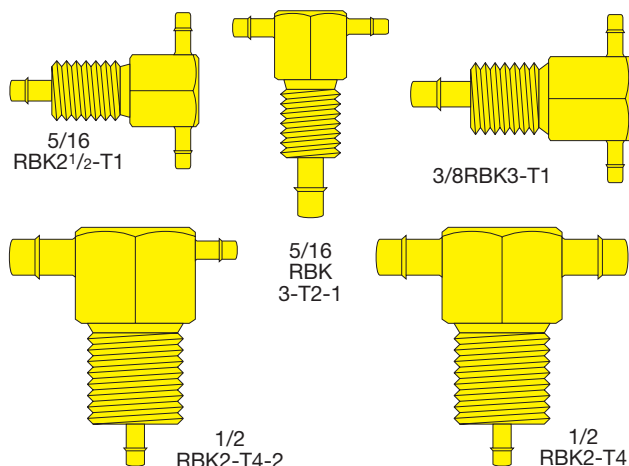
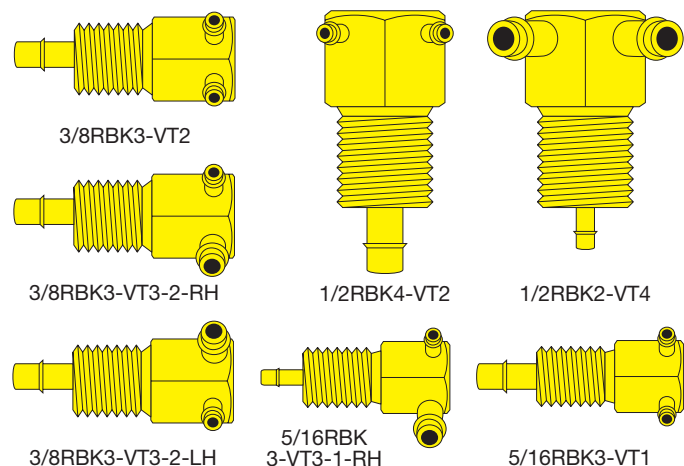
1/8RBK6-5



1/8RBK6-5 1/2



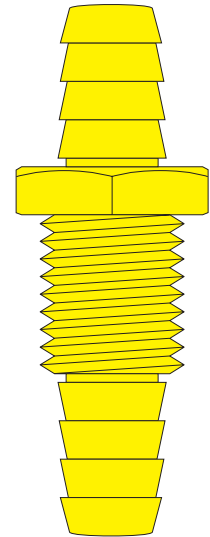
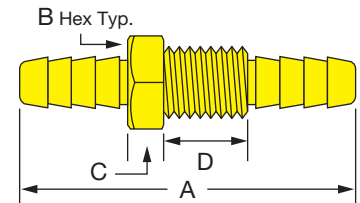
1/8RBK6-5 3/4

Bulkhead Fittings Available Options**Elbow Bulkhead Fittings****Reducing Elbow Bulkhead Fittings****Tee Bulkhead Fittings****V-Tee Bulkhead Fittings****Reducing Tee Bulkhead Fittings****Reducing V-Tee Bulkhead Fittings**

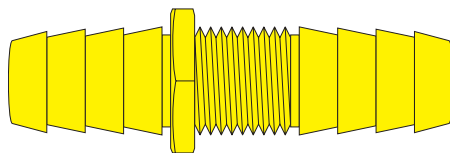
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Multi-Barb Bulkhead Fittings with Lockwasher & Nut

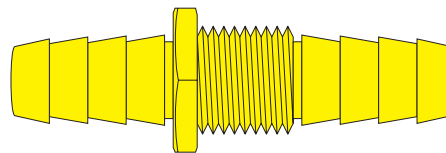
Tube ID	Part Numbers					Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Ref.
1/8	1/2-24BK3-CT	1/2-24BK3-CT-SS	1/2-24BK3-CT-316SS	1/2-24BK3-CT-AL	1/2-24BK3-CT-NP	2.315	5/8	1/8	1/2
3/16	1/2-24BK5-CT	1/2-24BK5-CT-SS	1/2-24BK5-CT-316SS	1/2-24BK5-CT-AL	1/2-24BK5-CT-NP	2.315	5/8	1/8	1/2
1/4	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
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
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
1/2	9/16-18BK10-CT	9/16-18BK10-CT-SS	9/16-18BK10-CT-316SS	9/16-18BK10-CT-AL	9/16-18BK10-CT-NP	2.315	3/4	1/8	1/2
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



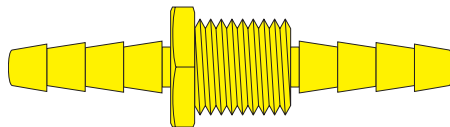
3/4-16BK-10-CT



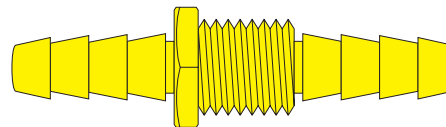
9/16-18BK-10-CT



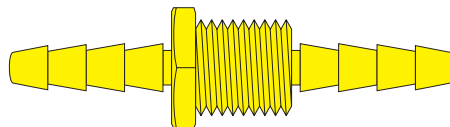
9/16-18BK-8-CT



1/2-24BK-5-CT



1/2-24BK-6-CT



1/2-24BK-3-CT

PLEASE NOTE:
The drawings in this section have been altered compared to the previous catalog to better represent the part numbers!

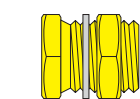
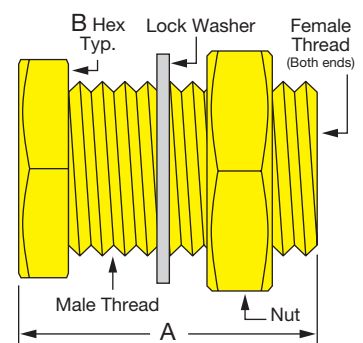
Also Available with Round Bodies & O-Ring Seals!

O-Ring material options listed on page 65!

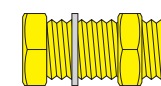
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Reducing Bulkhead Bushing with Lockwasher & Nut

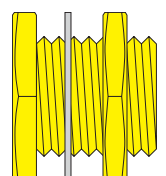
Male Thread	Female Thread	Part Numbers					Dimensions (Reference)	
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.
3/8-24	10-32	RBB-3/8x10	RBB-3/8x10-SS	RBB-3/8x10-316SS	RBB-3/8x10-AL	RBB-3/8x10-NP	1/2	7/16
15/32-32	10-32	RBB-15/32x10	RBB-15/32x10-SS	RBB-15/32x10-316SS	RBB-15/32x10-AL	RBB-15/32x10-NP	1/2	9/16
5/16-24	10-32	RBB-5/16x10	RBB-5/16x10-SS	RBB-5/16x10-316SS	RBB-5/16x10-AL	RBB-5/16x10-NP	3/4	3/8
5/8-18	1/8	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 Short	RBB-5/8-18x1/8-SH	RBB-5/8-18x1/8-SS-SH	RBB-5/8-18x1/8-316SS-SH	RBB-5/8-18x1/8-AL-SH	RBB-5/8-18x1/8-NP-SH	3/4	7/8
3/4-16	1/8	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 1/2	1
3/4-16	1/8 Short	RBB-3/4-16x1/8-SH	RBB-3/4-16x1/8-SS-SH	RBB-3/4-16x1/8-316SS-SH	RBB-3/4-16x1/8-AL-SH	RBB-3/4-16x1/8-NP-SH	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 1/2	1
3/4-16	1/4 Short	RBB-3/4-16x1/4-SH	RBB-3/4-16x1/4-SS-SH	RBB-3/4-16x1/4-316SS-SH	RBB-3/4-16x1/4-AL-SH	RBB-3/4-16x1/4-NP-SH	3/4	1
1-14	3/8	RBB-1-14x3/8	RBB-1-14x3/8-SS	RBB-1-14x3/8-316SS	RBB-1-14x3/8-AL	RBB-1-14x3/8-NP	1.32	1 1/8
1-14	3/8 Short	RBB-1-14x3/8-SH	RBB-1-14x3/8-SS-SH	RBB-1-14x3/8-316SS-SH	RBB-1-14x3/8-AL-SH	RBB-1-14x3/8-NP-SH	1.07	1 1/8
1 1/8-14	1/2	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



RBB3/8-24x10



RBB5/16-32x10



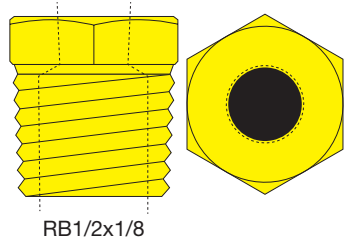
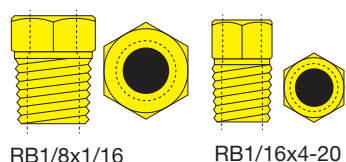
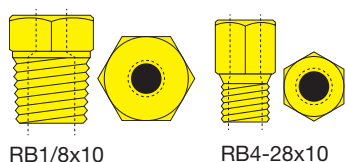
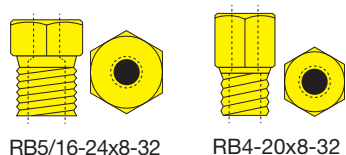
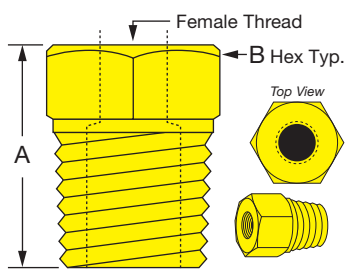
RBB5/8-18-SH

Note:
For part numbers SH = Short



Standard Male to Standard Female Reducing Bushings

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Material options on next page.

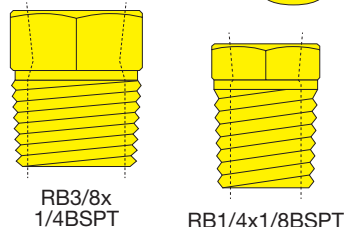
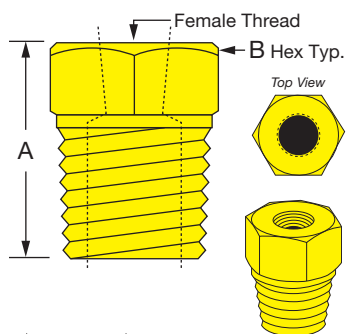
Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	A Ref.	B Typ.
1/4-20	8-32	RB4-20x8-32	17/32	5/16
1/4-20	10-32	RB4-20x10-32	17/32	5/16
1/4-28	8-32	RB4-28x8-32	17/32	5/16
1/4-28	10-32	RB4-28x10-32	17/32	5/16
1/16	8-32	RB1/16x8-32	17/32	5/16
1/16	10-32	RB1/16x10-32	17/32	5/16
1/16	1/4-20	RB1/16x4-20	17/32	5/16
1/16	1/4-28	RB1/16x4-28	17/32	5/16
5/16-18	8-32	RB5/16-18x8-32	9/16	3/8
5/16-18	10-32	RB5/16-18x10-32	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
5/16-24	8-32	RB5/16-24x8-32	9/16	3/8
5/16-24	10-32	RB5/16-24x10-32	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
1/8	8-32	RB1/8x8-32	9/16	7/16
1/8	10-32	RB1/8x10-32	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	1/16	RB1/8x1/16	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
1/4	8-32	RB1/4x8-32	3/4	9/16
1/4	10-32	RB1/4x10-32	3/4	9/16

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	A Ref.	B Typ.
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	1/16	RB1/4x1/16	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	1/8	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

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

Standard Male to BSPT Female Reducing Bushings

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Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	A Ref.	B Typ.
1/8	1/16 BSPT	RB1/8x1/16-BSPT	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	-3/8x1/16-BSPT	15/16	7/8
3/8	1/8 BSPT	RB3/8x1/8-BSPT	15/16	7/8
3/8	1/4 BSPT	RB3/8x1/4-BSPT	15/16	7/8
1/2	1/16 BSPT	RB1/2x1/16-BSPT	15/16	7/8
1/2	1/8 BSPT	RB1/2x1/8-BSPT	15/16	7/8
1/2	1/4 BSPT	RB1/2x1/4-BSPT	15/16	7/8
1/2	3/8 BSPT	RB1/2x3/8-BSPT	15/16	7/8

Material options on next page.

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	A Ref.	B Typ.
3/4	1/16 BSPT	RB3/4x1/16-BSPT	1	1 1/16
3/4	1/8 BSPT	RB3/4x1/8-BSPT	1	1 1/16
3/4	1/4 BSPT	RB3/4x1/4-BSPT	1	1 1/16
3/4	3/8 BSPT	RB3/4x3/8-BSPT	1	1 1/16
3/4	1/2 BSPT	RB3/4x1/2-BSPT	1	1 1/16
1	1/16 BSPT	RB1x1/16-BSPT	1 1/4	1 3/8
1	1/8 BSPT	RB1x1/8-BSPT	1 1/4	1 3/8
1	1/4 BSPT	RB1x1/4-BSPT	1 1/4	1 3/8
1	3/8 BSPT	RB1x3/8-BSPT	1 1/4	1 3/8
1	1/2 BSPT	RB1x1/2-BSPT	1 1/4	1 3/8
1	3/4 BSPT	RB1x3/4-BSPT	1 1/4	1 3/8

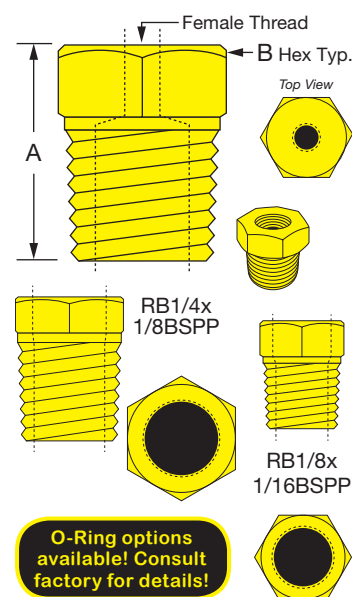
692

Standard Male to BSPP Female Reducing Bushings

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	A Ref.	B Typ.
1/8	1/16 BSPP	RB1/8x1/16 BSPP	9/16	7/16
1/4	1/16 BSPP	RB1/4x1/16 BSPP	3/4	9/16
1/4	1/8 BSPP	RB1/4x1/8 BSPP	3/4	9/16
3/8	1/16 BSPP	RB3/8x1/16-BSPP	13/16	1 1/16
3/8	1/8 BSPP	RB3/8x1/8-BSPP	13/16	1 1/16
3/8	1/4 BSPP	RB3/8x1/4-BSPP	13/16	1 1/16
1/2	1/16 BSPP	RB1/2x1/16-BSPP	13/16	1 3/16
1/2	1/8 BSPP	RB1/2x1/8-BSPP	13/16	1 3/16
1/2	1/4 BSPP	RB1/2x1/4-BSPP	13/16	1 3/16
1/2	3/8 BSPP	RB1/2x3/8-BSPP	13/16	1 3/16

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.
3/4	1/16 BSPP	RB3/4x1/16-BSPP	1	1 1/16
3/4	1/8 BSPP	RB3/4x1/8-BSPP	1	1 1/16
3/4	1/4 BSPP	RB3/4x1/4-BSPP	1	1 1/16
3/4	3/8 BSPP	RB3/4x3/8-BSPP	1	1 1/16
3/4	1/2 BSPP	RB3/4x1/2-BSPP	1	1 1/16
1	1/16 BSPP	RB1x1/16-BSPP	1 1/4	1 3/8
1	1/8 BSPP	RB1x1/8-BSPP	1 1/4	1 3/8
1	1/4 BSPP	RB1x1/4-BSPP	1 1/4	1 3/8
1	3/8 BSPP	RB1x3/8-BSPP	1 1/4	1 3/8
1	1/2 BSPP	RB1x1/2-BSPP	1 1/4	1 3/8
1	3/4 BSPP	RB1x3/4-BSPP	1 1/4	1 3/8

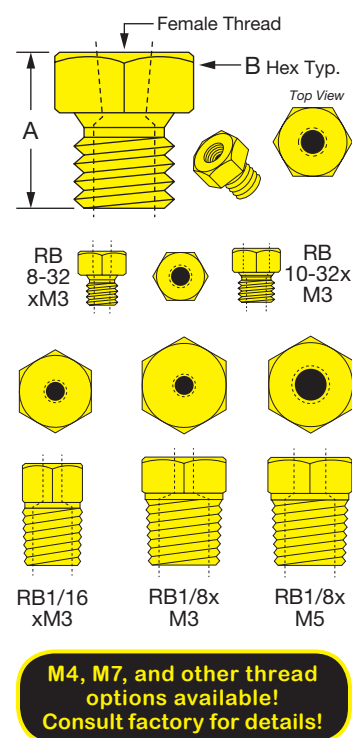


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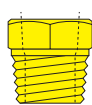
Standard Male to Metric Female Reducing Bushings

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	A Ref.	B Typ.
8-32	M3	RB8-32xM3	1/8	1/4
10-32	M3	RB10-32xM3	1/8	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

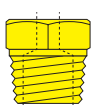
Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	A Ref.	B Typ.
1/8	M3	RB1/8xM3	9/16	7/16
1/8	M5	RB1/8xM5	9/16	7/16
1/8	M6x.75	RB1/8xM6x.75	9/16	7/16
1/8	M6x1	RB1/8xM6x1	9/16	7/16
1/8	M8x.75	RB1/8xM8x.75	27/32	7/16
1/8	M8x1	RB1/8xM8x1	27/32	7/16
1/8	M8x1.25	RB1/8xM8x1.25	27/32	7/16
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



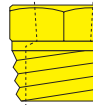
1/8 & 1/4 Thread Reducing Bushings Available with Short Threads! Consult Factory for Details!



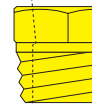
RB1/8x1/16-SH



RB1/8xM3-SH



RB1/4x1/16-SH



RB1/4x1/8-SH

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

-SS = Stainless Steel 303

-316SS = Stainless Steel 316

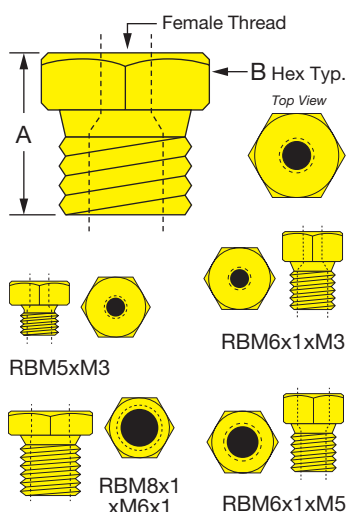
-AL = Aluminum

-NP = Electroless Nickel Plate



Metric Male to Metric Female Reducing Bushings

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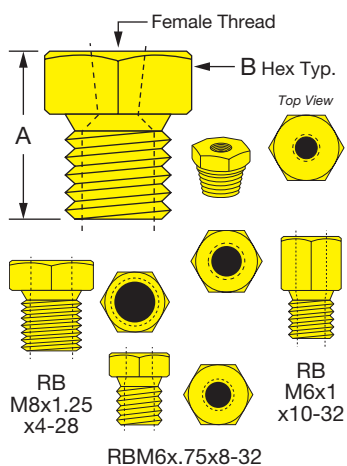
Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	A Ref.	B Typ.
M5	M3	RBM5xM3	3/8	5/16
M6x.75	M3	RBM6x.75xM3	13/32	5/16
M6x.75	M5	RBM6x.75xM5	17/32	5/16
M6x1	M3	RBM6x1xM3	13/32	5/16
M6x1	M5	RBM6x1xM5	17/32	5/16
M8x.75	M3	RBM8x.75xM3	17/32	7/16
M8x.75	M5	RBM8x.75xM5	17/32	7/16
M8x.75	M6x.75	RBM8x.75xM6x.75	17/32	7/16
M8x.75	M6x1	RBM8x.75xM6x1	17/32	7/16

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	A Ref.	B Typ.
M8x1	M3	RBM8x1xM3	13/32	7/16
M8x1	M5	RBM8x1xM5	17/32	7/16
M8x1	M6x.75	RBM8x1xM6x.75	17/32	7/16
M8x1	M6x1	RBM8x1xM6x1	17/32	7/16
M8x 1.25	M3	RBM8x1.25xM3	13/32	7/16
M8x 1.25	M5	RBM8x1.25xM5	17/32	7/16
M8x 1.25	M6x.75	RBM8x1.25xM6x.75	13/32	7/16
M8x 1.25	M6x1	RBM8x1.25xM6x1	17/32	7/16

M4 & M7 Thread Options also Available!

Metric Male to Standard Female Reducing Bushings

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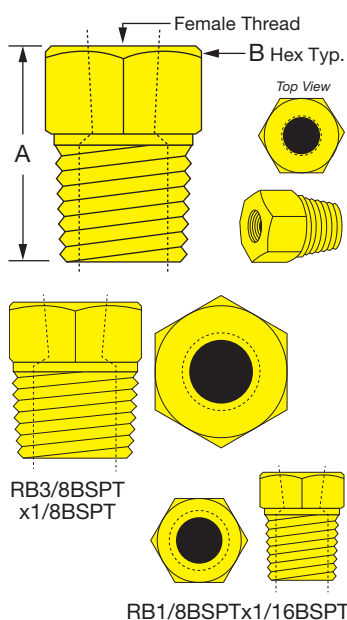


Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	A Ref.	B Typ.
M6x.75	8-32	RBM6x.75x8-32	17/32	5/16
M6x.75	10-32	RBM6x.75x10-32	17/32	5/16
M6x1	8-32	RBM6x1x8-32	17/32	5/16
M6x1	10-32	RBM6x1x10-32	17/32	5/16
M8x.75	8-32	RBM8x.75x8-32	17/32	7/16
M8x.75	10-32	RBM8x.75x10-32	17/32	7/16
M8x.75	1/4-20	RBM8x.75x4-20	17/32	7/16
M8x.75	1/4-28	RBM8x.75x4-28	17/32	7/16

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	A Ref.	B Typ.
M8x1	8-32	RBM8x1x8-32	17/32	7/16
M8x1	10-32	RBM8x1x10-32	17/32	7/16
M8x1	1/4-20	RBM8x1x4-20	17/32	7/16
M8x1	1/4-28	RBM8x1x4-28	17/32	7/16
M8x 1.25	8-32	RBM8x1.25x8-32	17/32	7/16
M8x 1.25	10-32	RBM8x1.25x10-32	17/32	7/16
M8x 1.25	1/4-20	RBM8x1.25x4-20	17/32	7/16
M8x 1.25	1/4-28	RBM8x1.25x4-28	17/32	7/16

BSPT Male to BSPT Female Reducing Bushings

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Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	A Ref.	B Typ.
1/8 BSPT	1/16 BSPT	RB1/8BSPTx 1/16BSPT	9/16	7/16
1/4 BSPT	1/16 BSPT	RB1/4BSPTx 1/16BSPT	3/4	9/16
1/4 BSPT	1/8 BSPT	RB1/4BSPTx 1/8BSPT	3/4	9/16
3/8 BSPT	1/16 BSPT	RB3/8BSPTx 1/16BSPT	15/16	7/8
3/8 BSPT	1/8 BSPT	RB3/8BSPTx 1/8BSPT	15/16	7/8
3/8 BSPT	1/4 BSPT	RB3/8BSPTx 1/4BSPT	15/16	7/8
1/2 BSPT	1/16 BSPT	RB1/2BSPTx 1/16BSPT	15/16	7/8
1/2 BSPT	1/8 BSPT	RB1/2BSPTx 1/8BSPT	15/16	7/8
1/2 BSPT	1/4 BSPT	RB1/2BSPTx 1/4BSPT	15/16	7/8
1/2 BSPT	3/8 BSPT	RB1/2BSPTx 3/8BSPT	15/16	7/8

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	A Ref.	B Typ.
3/4 BSPT	1/16 BSPT	RB3/4BSPTx 1/16BSPT	1	1 1/16
3/4 BSPT	1/8 BSPT	RB3/4BSPTx 1/8BSPT	1	1 1/16
3/4 BSPT	1/4 BSPT	RB3/4BSPTx 1/4BSPT	1	1 1/16
3/4 BSPT	3/8 BSPT	RB3/4BSPTx 3/8BSPT	1	1 1/16
3/4 BSPT	1/2 BSPT	RB3/4BSPTx 1/2BSPT	1	1 1/16
1 BSPT	1/16 BSPT	RB1BSPTx 1/16BSPT	1 1/4	1 3/8
1 BSPT	1/8 BSPT	RB1BSPTx 1/8BSPT	1 1/4	1 3/8
1 BSPT	1/4 BSPT	RB1BSPTx 1/4BSPT	1 1/4	1 3/8
1 BSPT	3/8 BSPT	RB1BSPTx 3/8BSPT	1 1/4	1 3/8
1 BSPT	1/2 BSPT	RB1BSPTx 1/2BSPT	1 1/4	1 3/8
1 BSPT	3/4 BSPT	RB1BSPTx 3/4BSPT	1 1/4	1 3/8

Material options listed on next page.

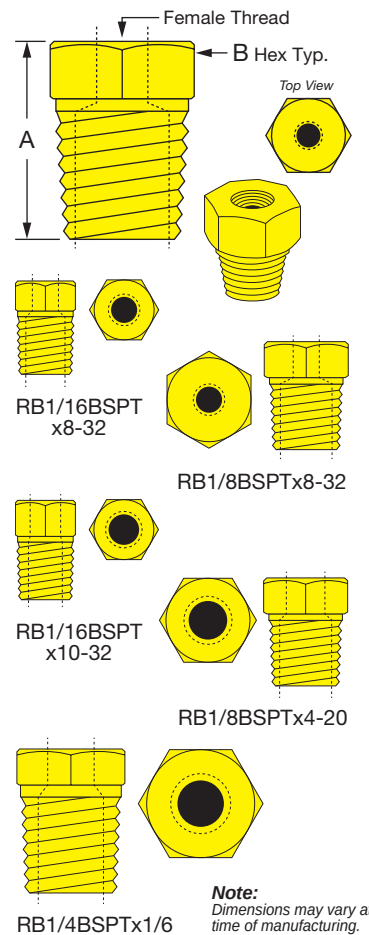
697

BSPT Male to Standard Female Reducing Bushings

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	A Ref.	B Typ.
$\frac{1}{16}$ BSPT	8-32	RB1/16BSPTx8-32	$\frac{17}{32}$	$\frac{5}{16}$
$\frac{1}{16}$ BSPT	10-32	RB1/16BSPTx10-32	$\frac{17}{32}$	$\frac{5}{16}$
$\frac{1}{8}$ BSPT	8-32	RB1/8BSPTx8-32	$\frac{9}{16}$	$\frac{7}{16}$
$\frac{1}{8}$ BSPT	10-32	RB1/8BSPTx10-32	$\frac{9}{16}$	$\frac{7}{16}$
$\frac{1}{8}$ BSPT	$\frac{1}{4}$ -20	RB1/8BSPTx4-20	$\frac{9}{16}$	$\frac{7}{16}$
$\frac{1}{8}$ BSPT	$\frac{1}{4}$ -28	RB1/8BSPTx4-28	$\frac{9}{16}$	$\frac{7}{16}$
$\frac{1}{8}$ BSPT	$\frac{5}{16}$ -18	RB1/8BSPTx5/16-18	$\frac{9}{16}$	$\frac{7}{16}$
$\frac{1}{8}$ BSPT	$\frac{5}{16}$ -24	RB1/8BSPTx5/16-24	$\frac{9}{16}$	$\frac{7}{16}$
$\frac{1}{8}$ BSPT	$\frac{1}{16}$	RB1/8BSPTx1/16	$\frac{9}{16}$	$\frac{7}{16}$
$\frac{1}{4}$ BSPT	8-32	RB1/4BSPTx8-32	$\frac{3}{4}$	$\frac{9}{16}$
$\frac{1}{4}$ BSPT	10-32	RB1/4BSPTx10-32	$\frac{3}{4}$	$\frac{9}{16}$
$\frac{1}{4}$ BSPT	$\frac{1}{4}$ -20	RB1/4BSPTx4-20	$\frac{3}{4}$	$\frac{9}{16}$
$\frac{1}{4}$ BSPT	$\frac{1}{4}$ -28	RB1/4BSPTx4-28	$\frac{3}{4}$	$\frac{9}{16}$
$\frac{1}{4}$ BSPT	$\frac{5}{16}$ -18	RB1/4BSPTx5/16-18	$\frac{3}{4}$	$\frac{9}{16}$
$\frac{1}{4}$ BSPT	$\frac{5}{16}$ -24	RB1/4BSPTx5/16-24	$\frac{3}{4}$	$\frac{9}{16}$
$\frac{1}{4}$ BSPT	$\frac{1}{16}$	RB1/4BSPTx1/16	$\frac{3}{4}$	$\frac{9}{16}$

BSPT = British Standard Pipe Taper

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	A Ref.	B Typ.
$\frac{3}{8}$ BSPT	$\frac{1}{16}$	RB3/8BSPTx1/16	$\frac{15}{16}$	$\frac{7}{8}$
$\frac{3}{8}$ BSPT	$\frac{1}{8}$	RB3/8BSPTx1/8	$\frac{15}{16}$	$\frac{7}{8}$
$\frac{3}{8}$ BSPT	$\frac{1}{4}$	RB3/8BSPTx1/4	$\frac{15}{16}$	$\frac{7}{8}$
$\frac{1}{2}$ BSPT	$\frac{1}{16}$	RB1/2BSPTx1/16	$\frac{15}{16}$	$\frac{7}{8}$
$\frac{1}{2}$ BSPT	$\frac{1}{8}$	RB1/2BSPTx1/8	$\frac{15}{16}$	$\frac{7}{8}$
$\frac{1}{2}$ BSPT	$\frac{1}{4}$	RB1/2BSPTx1/4	$\frac{15}{16}$	$\frac{7}{8}$
$\frac{1}{2}$ BSPT	$\frac{3}{8}$	RB1/2BSPTx3/8	$\frac{15}{16}$	$\frac{7}{8}$
$\frac{3}{4}$ BSPT	$\frac{1}{16}$	RB3/4BSPTx1/16	1	$1\frac{1}{16}$
$\frac{3}{4}$ BSPT	$\frac{1}{8}$	RB3/4BSPTx1/8	1	$1\frac{1}{16}$
$\frac{3}{4}$ BSPT	$\frac{1}{4}$	RB3/4BSPTx1/4	1	$1\frac{1}{16}$
$\frac{3}{4}$ BSPT	$\frac{3}{8}$	RB3/4BSPTx3/8	1	$1\frac{1}{16}$
$\frac{3}{4}$ BSPT	$\frac{1}{2}$	RB3/4BSPTx1/2	1	$1\frac{1}{16}$
1 BSPT	$\frac{1}{16}$	RB1BSPTx1/16	$1\frac{1}{4}$	$1\frac{3}{8}$
1 BSPT	$\frac{1}{8}$	RB1BSPTx1/8	$1\frac{1}{4}$	$1\frac{3}{8}$
1 BSPT	$\frac{1}{4}$	RB1BSPTx1/4	$1\frac{1}{4}$	$1\frac{3}{8}$
1 BSPT	$\frac{3}{8}$	RB1BSPTx3/8	$1\frac{1}{4}$	$1\frac{3}{8}$
1 BSPT	$\frac{1}{2}$	RB1BSPTx1/2	$1\frac{1}{4}$	$1\frac{3}{8}$
1 BSPT	$\frac{3}{4}$	RB1BSPTx3/4	$1\frac{1}{4}$	$1\frac{3}{8}$



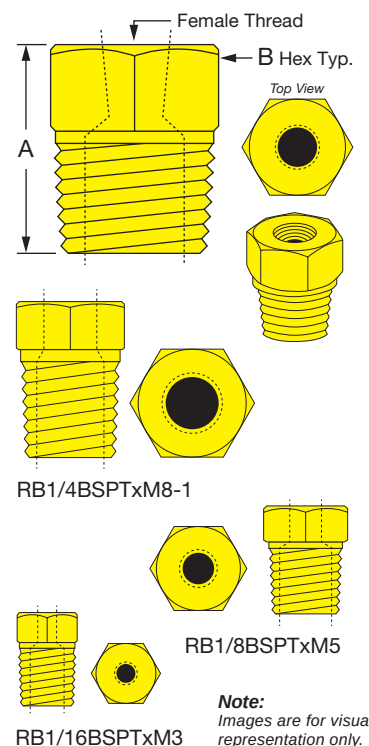
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BSPT Male to Metric Female Reducing Bushings

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	A Ref.	B Typ.
$\frac{1}{16}$ BSPT	M3	RB1/16BSPTxM3	$\frac{17}{32}$	$\frac{5}{16}$
$\frac{1}{16}$ BSPT	M5	RB1/16BSPTxM5	$\frac{17}{32}$	$\frac{5}{16}$
$\frac{1}{8}$ BSPT	M3	RB1/8BSPTxM3	$\frac{9}{16}$	$\frac{7}{16}$
$\frac{1}{8}$ BSPT	M5	RB1/8BSPTxM5	$\frac{9}{16}$	$\frac{7}{16}$
$\frac{1}{8}$ BSPT	M6x.75	RB1/8BSPTx M6x.75	$\frac{9}{16}$	$\frac{7}{16}$
$\frac{1}{8}$ BSPT	M6x1	RB1/8BSPTx M6x1	$\frac{9}{16}$	$\frac{7}{16}$
$\frac{1}{8}$ BSPT	M8x.75	RB1/8BSPTx M8x.75	$\frac{9}{16}$	$\frac{7}{16}$
$\frac{1}{8}$ BSPT	M8x1	RB1/8BSPTx M8x1	$\frac{9}{16}$	$\frac{7}{16}$
$\frac{1}{8}$ BSPT	M8x 1.25	RB1/8BSPTx M8x1.25	$\frac{9}{16}$	$\frac{7}{16}$

M4, M7, & M10 Thread Options also Available! Consult Factory for Details!

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	A Ref.	B Typ.
$\frac{1}{4}$ BSPT	M3	RB1/4BSPTxM3	$\frac{3}{4}$	$\frac{9}{16}$
$\frac{1}{4}$ BSPT	M5	RB1/4BSPTxM5	$\frac{3}{4}$	$\frac{9}{16}$
$\frac{1}{4}$ BSPT	M6x.75	RB1/4BSPTx M6x.75	$\frac{3}{4}$	$\frac{9}{16}$
$\frac{1}{4}$ BSPT	M6x1	RB1/4BSPTxM6x1	$\frac{3}{4}$	$\frac{9}{16}$
$\frac{1}{4}$ BSPT	M8x.75	RB1/4BSPTx M8x.75	$\frac{3}{4}$	$\frac{9}{16}$
$\frac{1}{4}$ BSPT	M8x1	RB1/4BSPTxM8x1	$\frac{3}{4}$	$\frac{9}{16}$
$\frac{1}{4}$ BSPT	M8x 1.25	RB1/4BSPTx M8x1.25	$\frac{3}{4}$	$\frac{9}{16}$

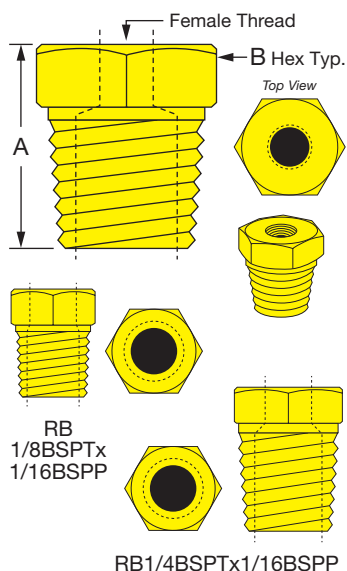


Unless otherwise specified, parts will be Brass.
To order other materials, add the following codes to the part number:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316
-AL = Aluminum -NP = Electroless Nickel Plate



BSPT Male to BSPP Female Reducing Bushings

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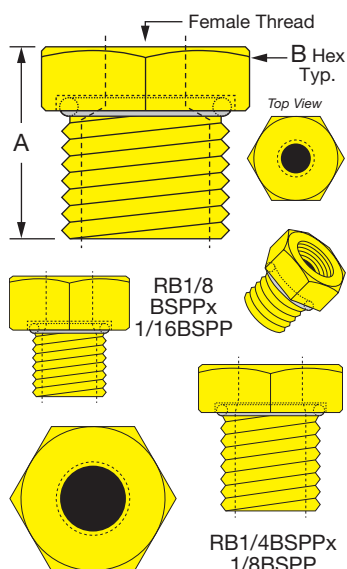
Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	A Ref.	B Typ.
1/8 BSPT	1/16 BSPP	RB1/8BSPTx 1/16BSPP	9/16	7/16
1/4 BSPT	1/16 BSPP	RB1/4BSPTx 1/16BSPP	3/4	9/16
1/4 BSPT	1/8 BSPP	RB1/4BSPTx 1/8BSPP	3/4	9/16
3/8 BSPT	1/16 BSPP	RB3/8BSPTx 1/16BSPP	15/16	7/8
3/8 BSPT	1/8 BSPP	RB3/8BSPTx 1/8BSPP	15/16	7/8
3/8 BSPT	1/4 BSPP	RB3/8BSPTx 1/4BSPP	15/16	7/8
1/2 BSPT	1/16 BSPP	RB1/2BSPTx 1/16BSPP	15/16	7/8
1/2 BSPT	1/8 BSPP	RB1/2BSPTx 1/8BSPP	15/16	7/8
1/2 BSPT	1/4 BSPP	RB1/2BSPTx 1/4BSPP	15/16	7/8
1/2 BSPT	3/8 BSPP	RB1/2BSPTx 3/8BSPP	15/16	7/8

Material options listed on next page.

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	A Ref.	B Typ.
3/4 BSPT	1/16 BSPP	RB3/4BSPTx 1/16BSPP	1	1 1/16
3/4 BSPT	1/8 BSPP	RB3/4BSPTx 1/8BSPP	1	1 1/16
3/4 BSPT	1/4 BSPP	RB3/4BSPTx 1/4BSPP	1	1 1/16
3/4 BSPT	3/8 BSPP	RB3/4BSPTx 3/8BSPP	1	1 1/16
3/4 BSPT	1/2 BSPP	RB3/4BSPTx 1/2BSPP	1	1 1/16
1 BSPT	1/16 BSPP	RB1BSPTx 1/16BSPP	1 1/4	1 3/8
1 BSPT	1/8 BSPP	RB1BSPTx 1/8BSPP	1 1/4	1 3/8
1 BSPT	1/4 BSPP	RB1BSPTx 1/4BSPP	1 1/4	1 3/8
1 BSPT	3/8 BSPP	RB1BSPTx 3/8BSPP	1 1/4	1 3/8
1 BSPT	1/2 BSPP	RB1BSPTx 1/2BSPP	1 1/4	1 3/8
1 BSPT	3/4 BSPP	RB1BSPTx 3/4BSPP	1 1/4	1 3/8

BSPP Male to BSPP Female Reducing Bushings

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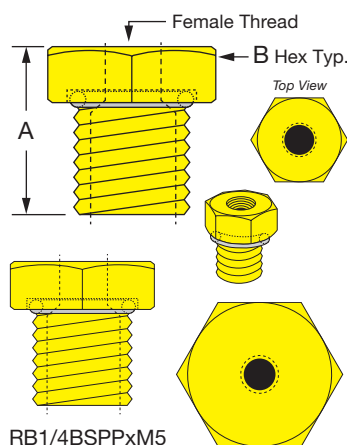
Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	A Ref.	B Typ.
1/8 BSPP	1/16 BSPP	RB1/8BSPPx 1/16BSPP	9/32	5/8
1/4 BSPP	1/16 BSPP	RB1/4BSPPx 1/16BSPP	1/4	3/4
1/4 BSPP	1/8 BSPP	RB1/4BSPPx 1/8BSPP	1/4	3/4
3/8 BSPP	1/16 BSPP	RB3/8BSPPx 1/16BSPP	1/4	1
3/8 BSPP	1/8 BSPP	RB3/8BSPPx 1/8BSPP	1/4	1
3/8 BSPP	1/4 BSPP	RB3/8BSPPx 1/4BSPP	1/4	1
1/2 BSPP	1/16 BSPP	RB1/2BSPPx 1/16BSPP	5/16	1 1/8
1/2 BSPP	1/8 BSPP	RB1/2BSPPx 1/8BSPP	5/16	1 1/8
1/2 BSPP	1/4 BSPP	RB1/2BSPPx 1/4BSPP	5/16	1 1/8
1/2 BSPP	3/8 BSPP	RB1/2BSPPx 3/8BSPP	5/16	1 1/8

Material options listed on next page.

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	A Ref.	B Typ.
3/4 BSPP	1/16 BSPP	RB3/4BSPPx 1/16BSPP	5/16	1 1/4
3/4 BSPP	1/8 BSPP	RB3/4BSPPx 1/8BSPP	5/16	1 1/4
3/4 BSPP	1/4 BSPP	RB3/4BSPPx 1/4BSPP	5/16	1 1/4
3/4 BSPP	3/8 BSPP	RB3/4BSPPx 3/8BSPP	5/16	1 1/4
3/4 BSPP	1/2 BSPP	RB3/4BSPPx 1/2BSPP	5/16	1 1/4
1 BSPP	1/16 BSPP	RB1BSPPx 1/16BSPP	1/2	1 5/8
1 BSPP	1/8 BSPP	RB1BSPPx 1/8BSPP	1/2	1 5/8
1 BSPP	1/4 BSPP	RB1BSPPx 1/4BSPP	1/2	1 5/8
1 BSPP	3/8 BSPP	RB1BSPPx 3/8BSPP	1/2	1 5/8
1 BSPP	1/2 BSPP	RB1BSPPx 1/2BSPP	1/2	1 5/8
1 BSPP	3/4 BSPP	RB1BSPPx 3/4BSPP	1/2	1 5/8

BSPP Male to Metric Female Reducing Bushings

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Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	A Ref.	B Typ.
1/16 BSPP	M3	RB1/16BSPPxM3	1/4	1/2
1/16 BSPP	M5	RB1/16BSPPxM5	1/4	1/2
1/8 BSPP	M3	RB1/8BSPPxM3	9/32	5/8
1/8 BSPP	M5	RB1/8BSPPxM5	9/32	5/8
1/8 BSPP	M6x.75	RB1/8BSPPx M6x.75	9/32	5/8
1/8 BSPP	M6x1	RB1/8BSPPxM6x1	9/32	5/8
1/8 BSPP	M8x.75	RB1/8BSPPx M8x.75	9/32	5/8
1/8 BSPP	M8x1	RB1/8BSPPx M8x1	9/32	5/8

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	A Ref.	B Typ.
1/8 BSPP	M8x 1.25	RB1/8BSPPx M8x1.25	9/32	5/8
1/4 BSPP	M3	RB1/4BSPPxM3	1/4	3/4
1/4 BSPP	M5	RB1/4BSPPxM5	1/4	3/4
1/4 BSPP	M6x.75	RB1/4BSPPx M6x.75	1/4	3/4
1/4 BSPP	M6x1	RB1/4BSPPxM6x1	1/4	3/4
1/4 BSPP	M8x.75	RB1/4BSPPx M8x.75	1/4	3/4
1/4 BSPP	M8x1	RB1/4BSPPx M8x1	1/4	3/4
1/4 BSPP	M8x 1.25	RB1/4BSPPx M8x1.25	1/4	3/4

702

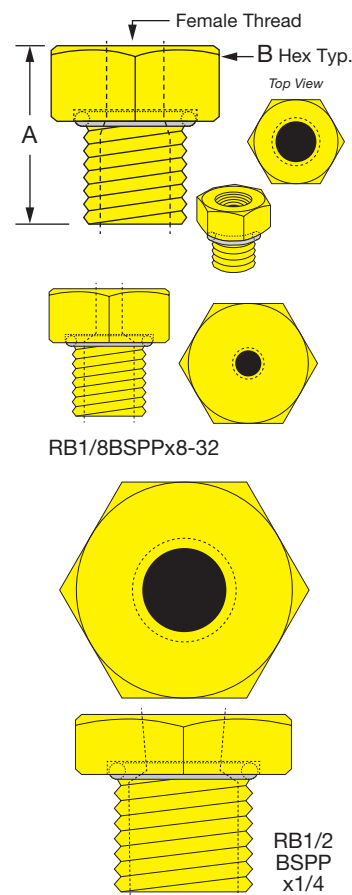
BSPP Male to Standard Female Reducing Bushings

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	A Ref.	B Typ.
1/16 BSPP	8-32	RB1/16BSPPx8-32	1/4	1/2
1/16 BSPP	10-32	RB1/16BSPPx10-32	1/4	1/2
1/8 BSPP	8-32	RB1/8BSPPx8-32	5/32	5/8
1/8 BSPP	10-32	RB1/8BSPPx10-32	5/32	5/8
1/8 BSPP	1/4-20	RB1/8BSPPx4-20	5/32	5/8
1/8 BSPP	1/4-28	RB1/8BSPPx4-28	5/32	5/8
1/8 BSPP	5/16-18	RB1/8BSPPx5/16-18	5/32	5/8
1/8 BSPP	5/16-24	RB1/8BSPPx5/16-24	5/32	5/8
1/8 BSPP	1/16	RB1/8BSPPx1/16	5/32	5/8
1/4 BSPP	8-32	RB1/4BSPPx8-32	1/4	3/4
1/4 BSPP	10-32	RB1/4BSPPx10-32	1/4	3/4
1/4 BSPP	1/4-20	RB1/4BSPPx4-20	1/4	3/4
1/4 BSPP	1/4-28	RB1/4BSPPx4-28	1/4	3/4
1/4 BSPP	5/16-18	RB1/4BSPPx5/16-18	1/4	3/4
1/4 BSPP	5/16-24	RB1/4BSPPx5/16-24	1/4	3/4
1/4 BSPP	1/16	RB1/4BSPPx1/16	1/4	3/4

SAE Standard Options also Available!

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 BSPP	1/16	RB3/8BSPPx1/16	1/4	1
3/8 BSPP	1/8	RB3/8BSPPx1/8	1/4	1
3/8 BSPP	1/4	RB3/8BSPPx1/4	1/4	1
1/2 BSPP	1/16	RB1/2BSPPx1/16	5/16	1 1/8
1/2 BSPP	1/8	RB1/2BSPPx1/8	5/16	1 1/8
1/2 BSPP	1/4	RB1/2BSPPx1/4	5/16	1 1/8
1/2 BSPP	3/8	RB1/2BSPPx3/8	5/16	1 1/8
3/4 BSPP	1/16	RB3/4BSPPx1/16	5/16	1 1/4
3/4 BSPP	1/8	RB3/4BSPPx1/8	5/16	1 1/4
3/4 BSPP	1/4	RB3/4BSPPx1/4	5/16	1 1/4
3/4 BSPP	3/8	RB3/4BSPPx3/8	5/16	1 1/4
3/4 BSPP	1/2	RB3/4BSPPx1/2	5/16	1 1/4
1 BSPP	1/16	RB1BSPPx1/16	1/2	1 5/8
1 BSPP	1/8	RB1BSPPx1/8	1/2	1 5/8
1 BSPP	1/4	RB1BSPPx1/4	1/2	1 5/8
1 BSPP	3/8	RB1BSPPx3/8	1/2	1 5/8
1 BSPP	1/2	RB1BSPPx1/2	1/2	1 5/8
1 BSPP	3/4	RB1BSPPx3/4	1/2	1 5/8



703

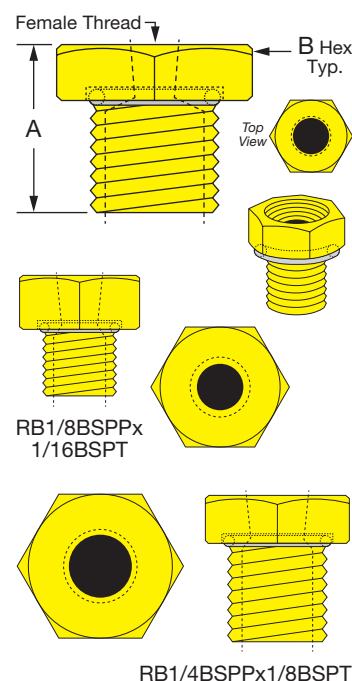
BSPP Male to BSPT Female Reducing Bushings

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	A Ref.	B Typ.
1/8 BSPP	1/16 BSPT	RB1/8BSPPx1/16BSPT	5/32	5/8
1/4 BSPP	1/16 BSPT	RB1/4BSPPx1/16BSPT	1/4	3/4
1/4 BSPP	1/8 BSPT	RB1/4BSPPx1/8BSPT	1/4	3/4
3/8 BSPP	1/16 BSPT	RB3/8BSPPx1/16BSPT	1/4	1
3/8 BSPP	1/8 BSPT	RB3/8BSPPx1/8BSPT	1/4	1
3/8 BSPP	1/4 BSPT	RB3/8BSPPx1/4BSPT	1/4	1
1/2 BSPP	1/16 BSPP	RB1/2BSPPx1/16BSPT	5/16	1 1/8
1/2 BSPP	1/8 BSPT	RB1/2BSPPx1/8BSPT	5/16	1 1/8
1/2 BSPP	1/4 BSPT	RB1/2BSPPx1/4BSPT	5/16	1 1/8
1/2 BSPP	3/8 BSPT	RB1/2BSPPx3/8BSPT	5/16	1 1/8

BSPP = British Standard Pipe Parallel

Assembled with standard BUNA-N O-Ring. Viton, EPDM, Silicone, Teflon®, Aflas, and others upon request.

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	A Ref.	B Typ.
3/4 BSPP	1/16 BSPT	RB3/4BSPPx1/16BSPT	5/16	1 1/4
3/4 BSPP	1/8 BSPT	RB3/4BSPPx1/8BSPT	5/16	1 1/4
3/4 BSPP	1/4 BSPT	RB3/4BSPPx1/4BSPT	5/16	1 1/4
3/4 BSPP	3/8 BSPT	RB3/4BSPPx3/8BSPT	5/16	1 1/4
3/4 BSPP	1/2 BSPT	RB3/4BSPPx1/2BSPT	5/16	1 1/4
1 BSPP	1/16 BSPT	RB1BSPPx1/16BSPT	1/2	1 5/8
1 BSPP	1/8 BSPT	RB1BSPPx1/8BSPT	1/2	1 5/8
1 BSPP	1/4 BSPT	RB1BSPPx1/4BSPT	1/2	1 5/8
1 BSPP	3/8 BSPT	RB1BSPPx3/8BSPT	1/2	1 5/8
1 BSPP	1/2 BSPT	RB1BSPPx1/2BSPT	1/2	1 5/8
1 BSPP	3/4 BSPT	RB1BSPPx3/4BSPT	1/2	1 5/8



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

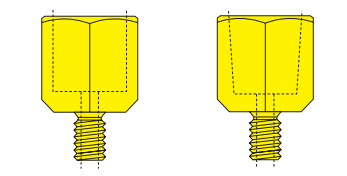
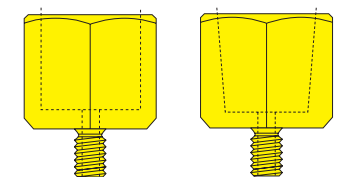
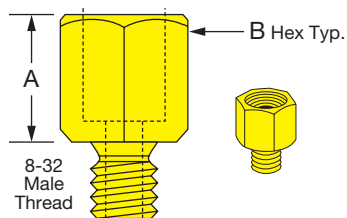
-AL = Aluminum

-NP = Electroless Nickel Plate



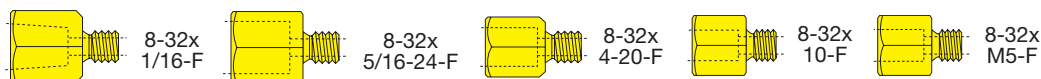
8-32 Male to Female Thread Straight Adapters

704

8-32x1/4BSPP-F 8-32x1/4BSPT-F
8-32x1/8BSPP-F 8-32x1/8BSPT-F

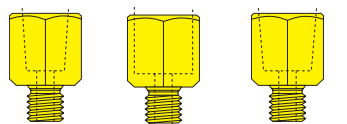
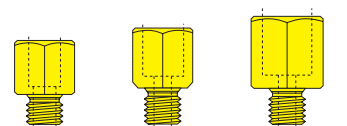
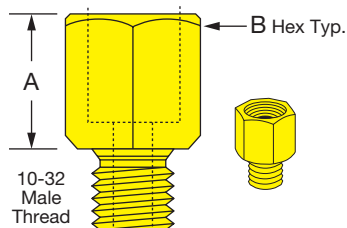
Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	A Ref.	B Typ.
8-32	10-32	8-32x10-32-F	9/32	5/16
8-32	1/4-20	8-32x4-20-F	9/32	3/8
8-32	1/4-28	8-32x4-28-F	9/32	3/8
8-32	1/16	8-32x1/16-F	17/32	1/2
8-32	5/16-18	8-32x5/16-18-F	17/32	1/2
8-32	5/16-24	8-32x5/16-24-F	17/32	1/2
8-32	1/8	8-32x1/8-F	1/2	1/2
8-32	1/4	8-32x1/4-F	19/32	11/16
8-32	M5	8-32xM5-F	9/32	5/16
8-32	M6x.75	8-32xM6x.75-F	9/32	5/16

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	A Ref.	B Typ.
8-32	M6x1	8-32xM6x1-F	9/32	5/16
8-32	M8x.75	8-32xM8x.75-F	1/2	1/2
8-32	M8x1	8-32xM8x1-F	1/2	1/2
8-32	M8x1.25	8-32xM8x1.25-F	1/2	1/2
8-32	1/16 BSPT	8-32x1/16BSPT-F	1/2	1/2
8-32	1/8 BSPT	8-32x1/8BSPT-F	1/2	1/2
8-32	1/4 BSPT	8-32x1/4BSPT-F	19/32	11/16
8-32	1/16 BSPP	8-32x1/16BSPP-F	1/2	1/2
8-32	1/8 BSPP	8-32x1/8BSPP-F	1/2	1/2
8-32	1/4 BSPP	8-32x1/4BSPP-F	19/32	11/16



10-32 Male to Female Thread Straight Adapters

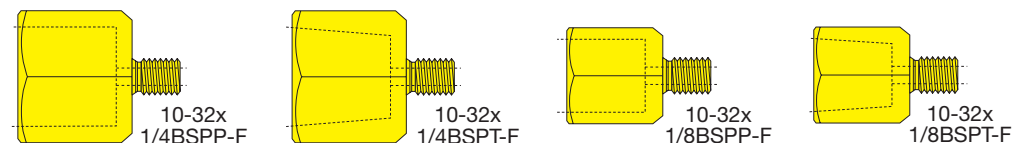
705

10-32x M5-F 10-32x 4-28-F 10-32x 5/16-18-F
10-32x 1/16-F 10-32x 1/16BSPP-F 10-32x 1/16BSPT-F

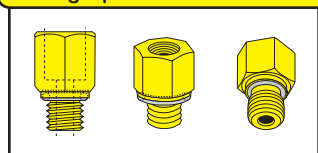
Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	A Ref.	B Typ.
10-32	1/4-20	10-32x4-20-F	9/32	3/8
10-32	1/4-28	10-32x4-28-F	9/32	3/8
10-32	1/16	10-32x1/16-F	17/32	1/2
10-32	5/16-18	10-32x5/16-18-F	17/32	1/2
10-32	5/16-24	10-32x5/16-24-F	17/32	1/2
10-32	1/8	10-32x1/8-F	1/2	1/2
10-32	1/4	10-32x1/4-F	19/32	11/16
10-32	M5	10-32xM5-F	9/32	5/16
10-32	M6x.75	10-32xM6x.75-F	9/32	3/8
10-32	M6x1	10-32xM6x1-F	9/32	5/16

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	A Ref.	B Typ.
10-32	M8x.75	10-32xM8x.75-F	1/2	1/2
10-32	M8x1	10-32xM8x1-F	1/2	1/2
10-32	M8x1.25	10-32xM8x1.25-F	1/2	1/2
10-32	1/16 BSPT	10-32x1/16BSPT-F	1/2	1/2
10-32	1/8 BSPT	10-32x1/8BSPT-F	1/2	1/2
10-32	1/4 BSPT	10-32x1/4BSPT-F	19/32	11/16
10-32	1/16 BSPP	10-32x1/16BSPP-F	1/2	1/2
10-32	1/8 BSPP	10-32x1/8BSPP-F	1/2	1/2
10-32	1/4 BSPP	10-32x1/4BSPP-F	19/32	11/16

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



O-Ring Options also Available!



O-Ring
materials
listed on
page 65!

SAE Standard M4, M7, and Other Thread Options Available! Lead Times and Minimum Quantities May 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

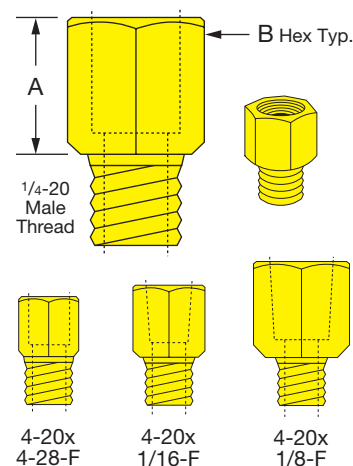
706

4-20 (1/4-20) Male to Female Thread Straight Adapters

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	1/2	1/2
1/4-20	5/16-18	4-20x5/16-18-F	1/2	1/2
1/4-20	5/16-24	4-20x5/16-24-F	1/2	1/2
1/4-20	1/8	4-20x1/8-F	1/2	1/2
1/4-20	1/4	4-20x1/4-F	19/32	1 1/16
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	1/2	1/2
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	1 1/16
1/4-20	1/16 BSPP	4-20x1/16BSPP-F	1/2	1/2
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	1 1/16

Material options listed on previous page!



707

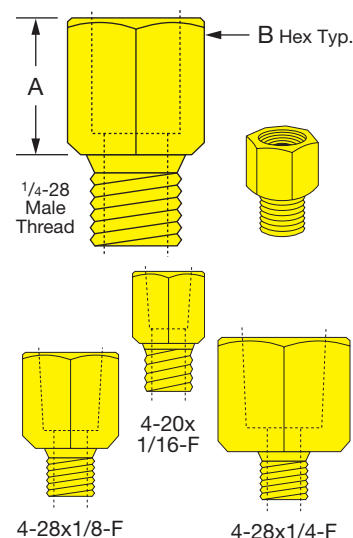
4-28 (1/4-28) Male to Female Thread Straight Adapters

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	A Ref.	B Typ.
1/4-28	1/4-20	4-28x4-20-F	5/16	5/16
1/4-28	1/16	4-28x1/16-F	1/2	1/2
1/4-28	5/16-18	4-28x5/16-18-F	1/2	1/2
1/4-28	5/16-24	4-28x5/16-24-F	1/2	1/2
1/4-20	1/8	4-28x1/8-F	1/2	1/2
1/4-20	1/4	4-28x1/4-F	19/32	1 1/16
1/4-28	M8x.75	4-28xM8x.75-F	1/2	1/2

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	A Ref.	B Typ.
1/4-28	M8x1	4-28xM8x1-F	1/2	1/2
1/4-28	M8x1.25	4-28xM8x1.25-F	1/2	1/2
1/4-28	1/16 BSPT	4-28x1/16BSPT-F	1/2	1/2
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	1 1/16
1/4-28	1/16 BSPP	4-28x1/16BSPP-F	1/2	1/2
1/4-28	1/8 BSPP	4-28x1/8BSPP-F	1/2	1/2
1/4-28	1/4 BSPP	4-28x1/4BSPP-F	19/32	1 1/16

Material options listed on previous page!

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



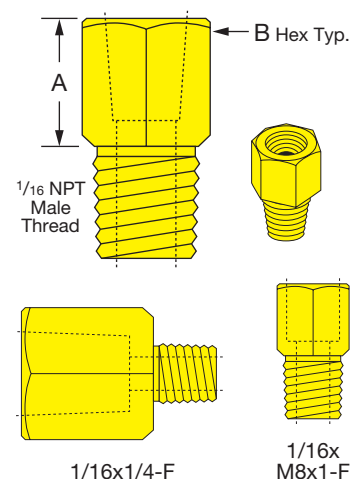
708

1/16 NPT Male to Female Thread Straight 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	1 1/16
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	1 1/16
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	1 1/16

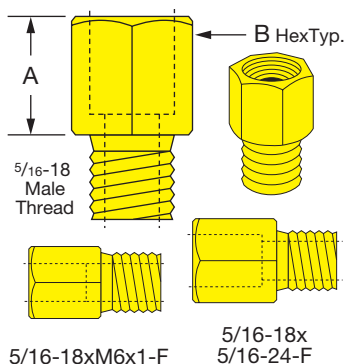
Material options listed on previous page.





5/16-18 Male to Female Thread Straight Adapters

709

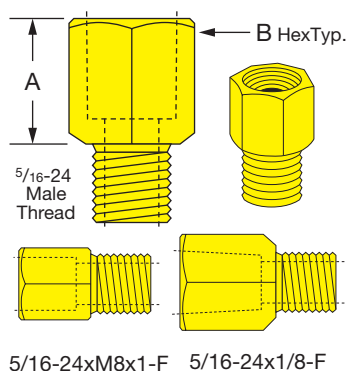


Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	A Ref.	B Typ.
5/16-18	5/16-24	5/16-18x5/16-24-F	1/2	1/2
5/16-18	1/8	5/16-18x1/8-F	1/2	1/2
5/16-18	1/4	5/16-18x1/4-F	19/32	1 1/16
5/16-18	M6x.75	5/16-18xM6x.75-F	1/2	1/2
5/16-18	M6x1	5/16-18xM6x1-F	1/2	1/2
5/16-18	M8x.75	5/16-18xM8x.75-F	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	1 1/16
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	1 1/16

5/16-24 Male to Female Thread Straight Adapters

710



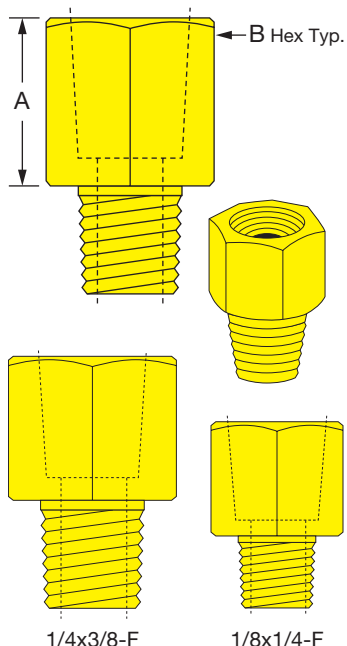
Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	A Ref.	B Typ.
5/16-24	1/8	5/16-24x1/8-F	1/2	1/2
5/16-24	1/4	5/16-24x1/4-F	19/32	1 1/16
5/16-24	M6x.75	5/16-24xM6x.75-F	9/32	5/16
5/16-24	M6x1	5/16-24xM6x1-F	9/32	5/16
5/16-24	M8x.75	5/16-24xM8x.75-F	1/2	1/2
5/16-24	M8x1	5/16-24xM8x1-F	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	1 1/16
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	1 1/16

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 Straight Adapters

711



Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	A Ref.	B Typ.
1/8	1/4	1/8x1/4-F	1 1/16	1 1/16
1/8	1/8 BSPT	1/8x1/8BSPT-F	1/2	1/2
1/8	1/4 BSPT	1/8x1/4BSPT-F	1 1/16	1 1/16
1/8	1/8 BSPP	1/8x1/8BSPP-F	1/2	1/2
1/8	1/4 BSPP	1/8x1/4BSPP-F	1 1/16	1 1/16
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 1/2	1 1/16

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	A Ref.	B Typ.
1/4	1/4 BSPT	1/4x1/4BSPT-F	1 1/16	1 1/16
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 1/2	1 1/16
1/4	1/4 BSPP	1/4x1/4BSPP-F	1 1/16	1 1/16
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 1/2	1 1/16

SAE Threads 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

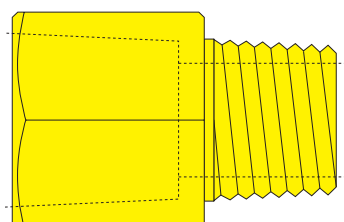
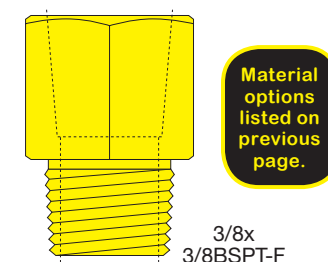
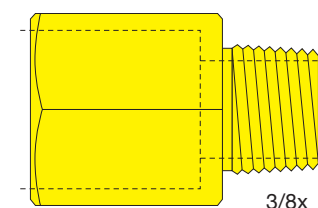
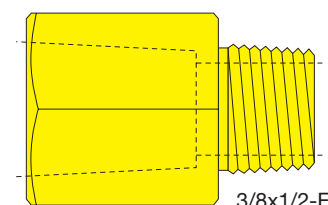
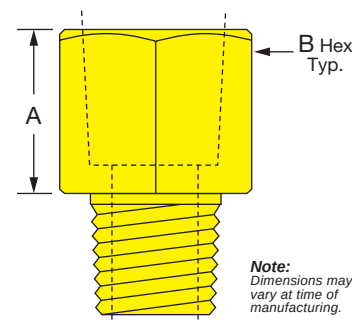
-NP = Electroless Nickel Plate

712

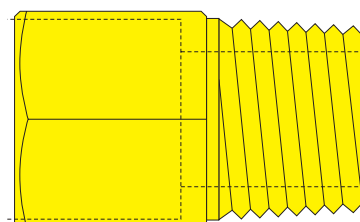
3/8, 1/2, 3/4 & 1 NPT Male to Female Thread Straight Adapters

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

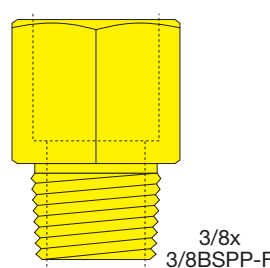
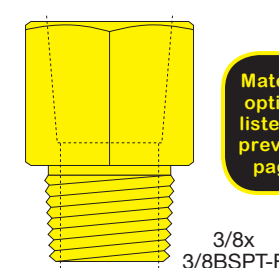
Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	A Ref.	B Typ.
1/2	1/2 BSPT	1/2x1/2BSPT-F	1 1/8	1
1/2	3/4 BSPT	1/2x3/4BSPT-F	1 1/8	1
1/2	1 BSPT	1/2x1BSPT-F	1 1/2	1 1/16
1/2	1/2 BSPP	1/2x1/2BSPP-F	1 1/8	1
1/2	3/4 BSPP	1/2x3/4BSPP-F	1 1/8	1
1/2	1 BSPP	1/2x1BSPP-F	1 1/2	1 1/16
3/4	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



1/2x3/4-F



3/4x3/4BSPP-F

3/8x
3/8BSPP-F3/8x
3/8SPT-F

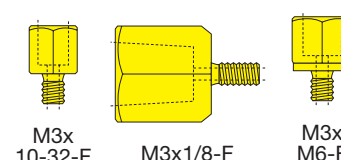
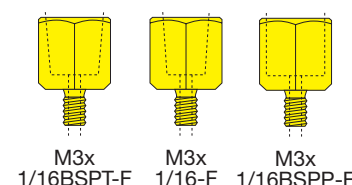
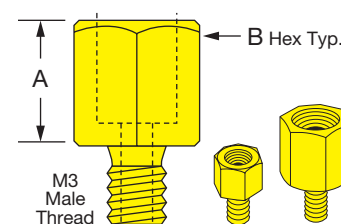
713

M3 Male to Female Thread Straight Adapters

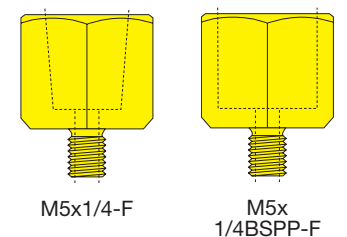
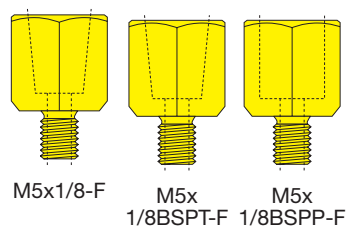
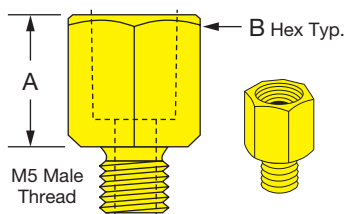
Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	A Ref.	B Typ.
M3	8-32	M3x8-32-F	1/4	1/4
M3	10-32	M3x10-32-F	1/4	1/4
M3	1/4-20	M3x4-20-F	9/32	5/16
M3	1/4-28	M3x4-28-F	9/32	5/16
M3	1/16	M3x1/16-F	1/2	1/2
M3	5/16-18	M3x5/16-18-F	1/2	1/2
M3	5/16-24	M3x5/16-24-F	1/2	1/2
M3	1/8	M3x1/8-F	1/2	1/2
M3	1/4	M3x1/4-F	19/32	1 1/16
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	1/2	1/2
M3	1/8 BSPT	M3x1/8BSPT-F	1/2	1/2
M3	1/4 BSPT	M3x1/4BSPT-F	19/32	1 1/16
M3	1/16 BSPP	M3x1/16BSPP-F	1/2	1/2
M3	1/8 BSPP	M3x1/8BSPP-F	1/2	1/2
M3	1/4 BSPP	M3x1/4BSPP-F	19/32	1 1/16

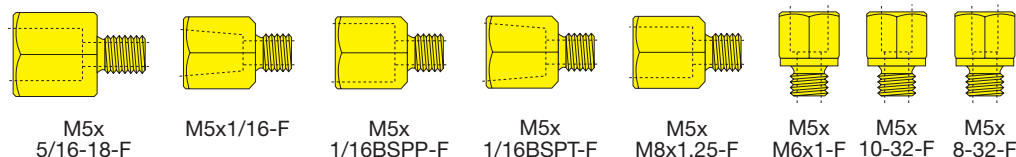
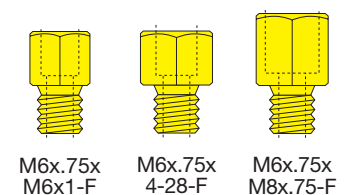
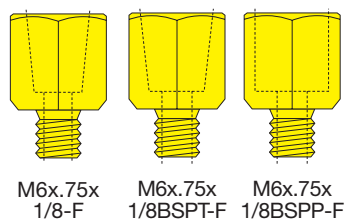
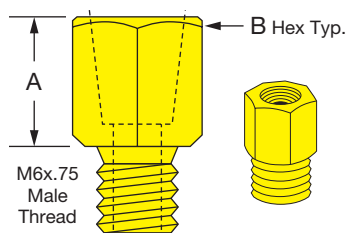


B2

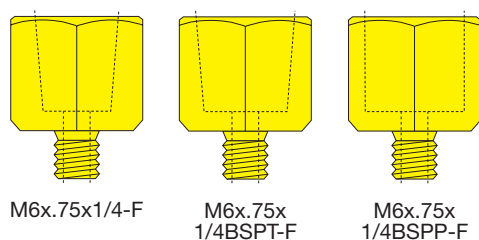
**M5 Male to Female Thread Straight Adapters****714**

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	A Ref.	B Typ.
M5	8-32	M5x8-32-F	9/32	5/16
M5	10-32	M5x10-32-F	9/32	5/16
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	9/16	1/2
M5	5/16-18	M5x5/16-18-F	9/16	1/2
M5	5/16-24	M5x5/16-24-F	9/16	1/2
M5	1/8	M5x1/8-F	1/2	1/2
M5	1/4	M5x1/4-F	19/32	1 1/16
M5	M6x.75	M5xM6x.75-F	9/32	5/16

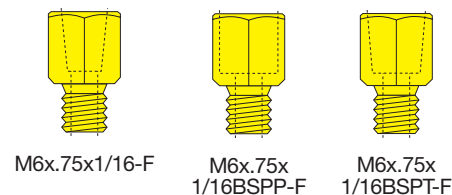
Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	A Ref.	B Typ.
M5	M6x1	M5xM6x1-F	9/32	5/16
M5	M8x.75	M5xM8x.75-F	1/2	1/2
M5	M8x1	M5xM8x1-F	1/2	1/2
M5	M8x1.25	M5xM8x1.25-F	1/2	1/2
M5	1/16 BSPT	M5x1/16BSPT-F	1/2	1/2
M5	1/8 BSPT	M5x1/8BSPT-F	1/2	1/2
M5	1/4 BSPT	M5x1/4BSPT-F	19/32	1 1/16
M5	1/16 BSPP	M5x1/16BSPP-F	1/2	1/2
M5	1/8 BSPP	M5x1/8BSPP-F	1/2	1/2
M5	1/4 BSPP	M5x1/4BSPP-F	19/32	1 1/16

**M6x.75 Male to Female Thread Straight Adapter****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	9/16	1/2
M6x.75	5/16-18	M6x.75x5/16-18-F	9/16	1/2
M6x.75	5/16-24	M6x.75x5/16-24-F	9/16	1/2
M6x.75	1/8	M6x.75x1/8-F	1/2	1/2
M6x.75	1/4	M6x.75x1/4-F	19/32	1 1/16
M6x.75	M6x1	M6x.75xM6x1-F	9/32	5/16



Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	A Ref.	B Typ.
M6x.75	M8x.75	M6x.75xM8x.75-F	3/8	3/8
M6x.75	M8x1	M6x.75xM8x1-F	3/8	3/8
M6x.75	M8x1.25	M6x.75xM8x1.25-F	3/8	3/8
M6x.75	1/16 BSPT	M6x.75x1/16BSPT-F	9/16	1/2
M6x.75	1/8 BSPT	M6x.75x1/8BSPT-F	1/2	1/2
M6x.75	1/4 BSPT	M6x.75x1/4BSPT-F	19/32	1 1/16
M6x.75	1/16 BSPP	M6x.75x1/16BSPP-F	1/2	1/2
M6x.75	1/8 BSPP	M6x.75x1/8BSPP-F	1/2	1/2
M6x.75	1/4 BSPP	M6x.75x1/4BSPP-F	19/32	1 1/16



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

Other Metric options available, including: M4, M7, M10x1, M10x.75, M10x1, M10x1.5, M12x1, M12x1.25, and M12x1.51 Consult factory for details!

SAE Threads Available! Consult Factory for Details!

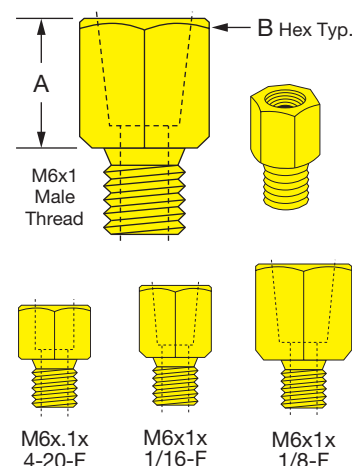
Unless otherwise specified, parts will be Brass. To order other materials, add the following codes to the end of the part number:
 -SS = Stainless Steel 303 -316SS = Stainless Steel 316 -AL = Aluminum -NP = Electroless Nickel Plate

716

M6x1 Male to Female Thread Straight Adapters

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	9/16	1/2
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	1 1/16
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	1/2	1/2
M6x1	1/8 BSPT	M6x1x1/8BSPT-F	1/2	1/2
M6x1	1/4 BSPT	M6x1x1/4BSPT-F	19/32	1 1/16
M6x1	1/16 BSPP	M6x1x1/16BSPP-F	1/2	1/2
M6x1	1/8 BSPP	M6x1x1/8BSPP-F	1/2	1/2
M6x1	1/4 BSPP	M6x1x1/4BSPP-F	19/32	1 1/16

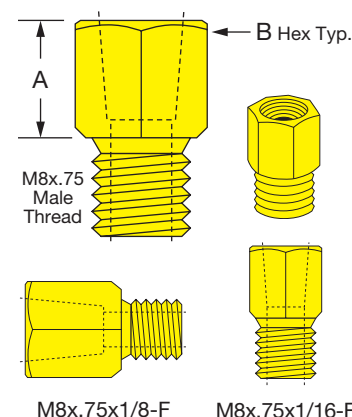


717

M8x.75 Male to Female Thread Straight Adapters

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



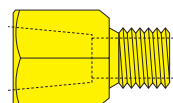
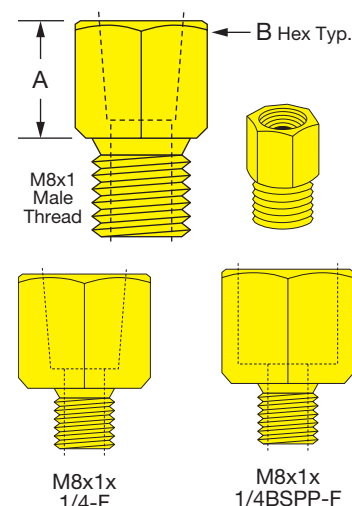
Note: Images are for visual representation only; not intended for measurements. Dimensions may vary at time of manufacturing.

718

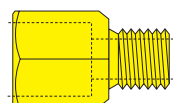
M8x1 Male to Female Thread Straight Adapters

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	1 1/16
M8x1	M8x1.25	M8x1xM8x1.25-F	1/2	1/2

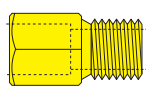
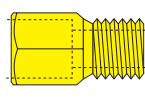
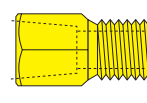
Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	A Ref.	B Typ.
M8x1	1/16 BSPT	M8x1x1/16BSPT-F	1/2	1/2
M8x1	1/8 BSPT	M8x1x1/8BSPT-F	1/2	1/2
M8x1	1/4 BSPT	M8x1x1/4BSPT-F	19/32	1 1/16
M8x1	1/16 BSPP	M8x1x1/16BSPP-F	1/2	1/2
M8x1	1/8 BSPP	M8x1x1/8BSPP-F	1/2	1/2
M8x1	1/4 BSPP	M8x1x1/4BSPP-F	19/32	1 1/16



M8x1x1/8-F

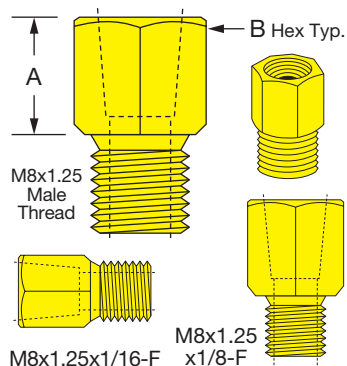


M8x1x1/8BSPP-F

M8x1x
M8x1.25-FM8x1x
1/16BSPP-FM8x1x
1/16BSPT-F

SAE Threads Available! Consult Factory for Details!

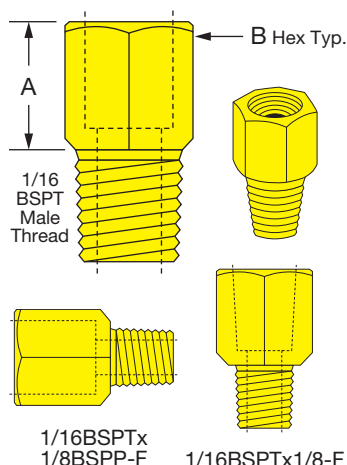
Material options listed on previous page.

**M8x1.25 Male to Female Thread Straight Adapters****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	1 1/16

Other Metric Options Available! Consult Factory!

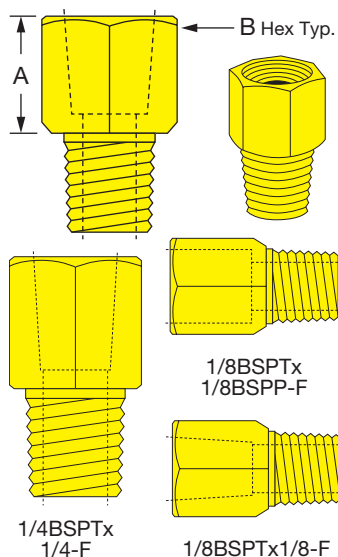
Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	A Ref.	B Typ.
M8x1.25	1/16 BSPT	M8x1.25x 1/16BSPT-F	1/2	1/2
M8x1.25	1/8 BSPT	M8x1.25x 1/8BSPT-F	1/2	1/2
M8x1.25	1/4 BSPT	M8x1.25x 1/4BSPT-F	19/32	1 1/16
M8x1.25	1/16 BSPP	M8x1.25x 1/16BSPP-F	1/2	1/2
M8x1.25	1/8 BSPP	M8x1.25x 1/8BSPP-F	1/2	1/2
M8x1.25	1/4 BSPP	M8x1.25x 1/4BSPP-F	19/32	1 1/16

1/16 BSPT Male to Female Thread Straight Adapters**720**

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	A Ref.	B Typ.
1/16 BSPT	1/16	1/16BSPTx1/16-F	3/8	3/8
1/16 BSPT	5/16-18	1/16BSPTx5/16-18-F	3/8	3/8
1/16 BSPT	5/16-24	1/16BSPTx5/16-24-F	3/8	3/8
1/16 BSPT	1/8	1/16BSPTx1/8-F	1/2	1/2
1/16 BSPT	1/4	1/16BSPTx1/4-F	19/32	1 1/16
1/16 BSPT	M6x.75	1/16BSPTx M6x.75-F	3/8	3/8
1/16 BSPT	M6x1	1/16BSPTxM6x1-F	3/8	3/8

Other Metric options available! Consult factory!

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	A Ref.	B Typ.
1/16 BSPT	M8x.75	1/16BSPTx M8x.75-F	3/8	3/8
1/16 BSPT	M8x1	1/16BSPTxM8x1-F	3/8	3/8
1/16 BSPT	M8x1.25	1/16BSPTx M8x1.25-F	3/8	3/8
1/16 BSPT	1/8 BSPT	1/16BSPTx 1/8BSPT-F	1/2	1/2
1/16 BSPT	1/4 BSPT	1/16BSPTx 1/4BSPT-F	19/32	1 1/16
1/16 BSPT	1/16 BSPP	1/16BSPTx 1/16BSPP-F	3/8	3/8
1/16 BSPT	1/8 BSPP	1/16BSPTx 1/8BSPP-F	1/2	1/2
1/16 BSPT	1/4 BSPP	1/16BSPTx 1/4BSPP-F	19/32	1 1/16

1/8 & 1/4 BSPT Male to Female Thread Straight 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	1 1/16	1 1/16
1/8 BSPT	1/4 BSPT	1/8BSPTx 1/4BSPT-F	1 1/16	1 1/16
1/8 BSPT	1/8 BSPP	1/8BSPTx 1/8BSPP-F	1/2	1/2
1/8 BSPT	1/4 BSPP	1/8BSPTx 1/4BSPP-F	1 1/16	1 1/16
1/4 BSPT	1/4	1/4BSPTx1/4-F	1 1/16	1 1/16
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	1/4BSPTx 3/8BSPT-F	3/4	7/8
1/4 BSPT	1/2 BSPT	1/4BSPTx 1/2BSPT-F	1	1
1/4 BSPT	3/4 BSPT	1/4BSPTx 3/4BSPT-F	1	1 1/8
1/4 BSPT	1 BSPT	1/4BSPTx1BSPT-F	1 1/16	1 1/2
1/4 BSPT	1/4 BSPP	1/4BSPTx 1/4BSPP-F	1 1/16	1 1/16
1/4 BSPT	3/8 BSPP	1/4BSPTx 3/8BSPP-F	3/4	7/8
1/4 BSPT	1/2 BSPP	1/4BSPTx 1/2BSPP-F	1	1
1/4 BSPT	3/4 BSPP	1/4BSPTx 3/4BSPP-F	1	1 1/8
1/4 BSPT	1 BSPP	1/4BSPTx 1BSPP-F	1 1/16	1 1/2

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

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

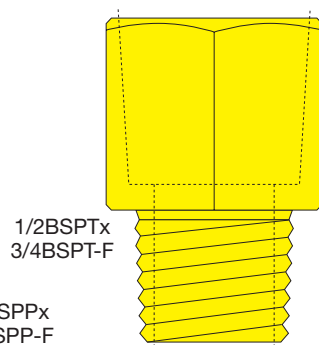
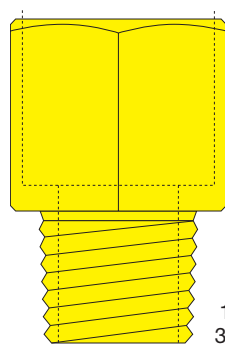
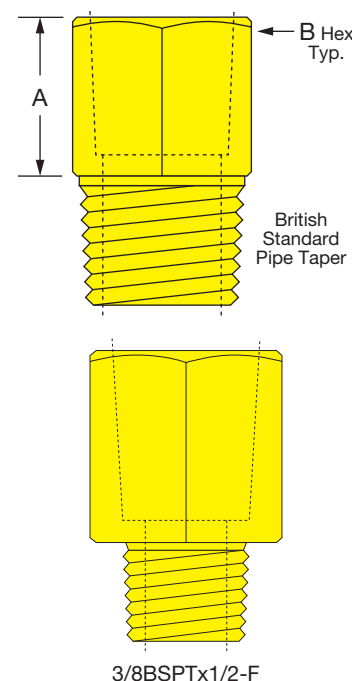
-SS = Stainless Steel 303**-316SS = Stainless Steel 316****-AL = Aluminum****-NP = Electroless Nickel Plate**

722

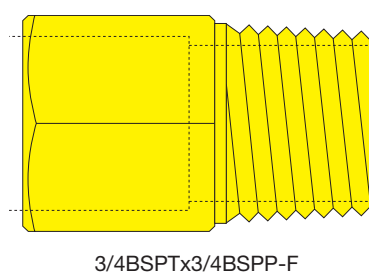
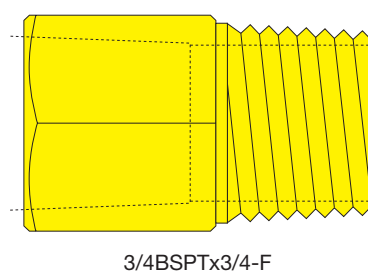
3/8, 1/2, 3/4, & 1 BSPT Male to Female Thread Straight Adapters

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



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



723

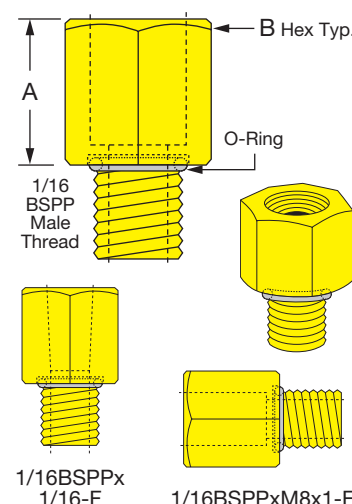
1/16 BSPP Male to Female Thread Straight Adapters

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	1 1/16
1/16 BSPP	M6x.75	1/16BSPPx M6x.75-F	1/2	1/2
1/16 BSPP	M6x1	1/16BSPPxM6x1-F	1/2	1/2

Supplied with Standard BUNA-N O-Ring!

Other O-Ring Material Options Available! Consult Factory for Details! (See also page 65!)

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	A Ref.	B Typ.
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
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	1 1/16
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	1 1/16



B2

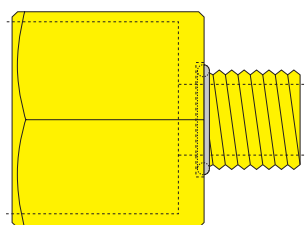
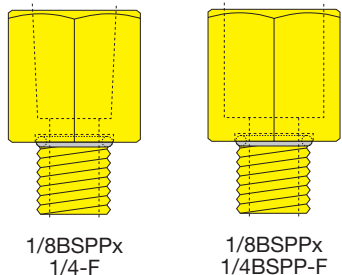
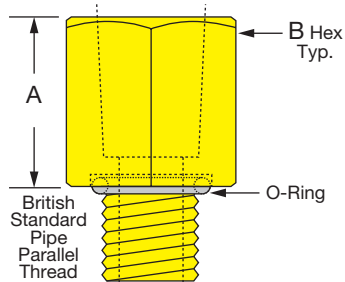
Unless otherwise specified, parts will be Brass. To order other materials, add the following codes to the end of the part number:

-SS = Stainless Steel 303

-316SS = Stainless Steel 316

-AL = Aluminum

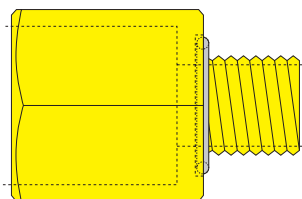
-NP = Electroless Nickel Plate

**1/8 & 1/4 BSPP Male to Female Thread Straight Adapter****724**

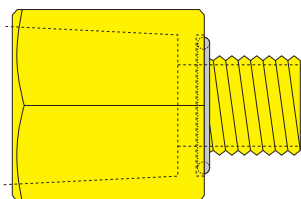
1/4BSPPx3/4BSPP-F

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	A Ref.	B Typ.
1/8 BSPP	1/8	1/8BSPPx1/8-F	1/2	1/2
1/8 BSPP	1/4	1/8BSPPx1/4-F	1 1/16	1 1/16
1/8 BSPP	1/8 BSPT	1/8BSPPx 1/8BSPT-F	1/2	1/2
1/8 BSPP	1/4 BSPT	1/8BSPPx 1/4BSPT-F	1 1/16	1 1/16
1/8 BSPP	1/4 BSPP	1/8BSPPx 1/4BSPP-F	1 1/16	1 1/16
1/4 BSPP	1/4	1/4BSPPx1/4-F	1 1/16	1 1/16
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

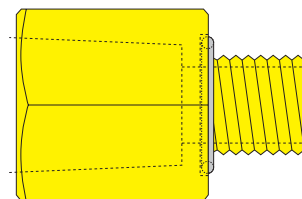
Male Thread	Female Thread	Part Numbers	Dimensions (Reference)	
		Brass	A Ref.	B Typ.
1/4 BSPP	1/4 BSPT	1/4BSPPx 1/4BSPT-F	1 1/16	1 1/16
1/4 BSPP	3/8 BSPT	1/4BSPPx 3/8BSPT-F	1 1/16	1 1/16
1/4 BSPP	1/2 BSPT	1/4BSPPx 1/2BSPT-F	1	1 1/8
1/4 BSPP	3/4 BSPT	1/4BSPPx 3/4BSPT-F	1	1 1/8
1/4 BSPP	1 BSPT	1/4BSPPx 1BSPT-F	1 1/16	1 1/2
1/4 BSPP	3/8 BSPP	1/4BSPPx 3/8BSPP-F	1 1/16	1 1/16
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!

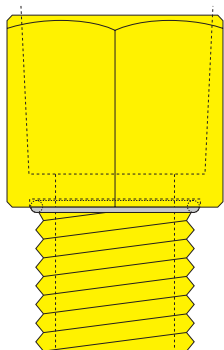
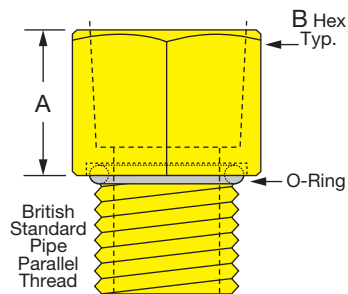
1/4BSPPx1/2BSPP-F



1/4BSPPx1/2BSPT-F



1/4BSPPx1/2-F

Other Metric options available! Consult factory for details!**Material options listed on next page!****3/8, 1/2, 3/4, & 1 BSPP Male to Female Thread Straight Adapters****725**

1/2BSPPx3/4BSPT-F

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 1/8
3/8 BSPP	1	3/8BSPPx1-F	1 1/16	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 1/16	1 1/2
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 1/8
1/2 BSPP	1	1/2BSPPx1-F	1 1/16	1 1/2

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
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 1/8
3/4 BSPP	1	3/4BSPPx1-F	1 1/16	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 1/16	1 1/2
1 BSPP	1 BSPT	1BSPPx1BSPT-F	1 1/16	1 1/2

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

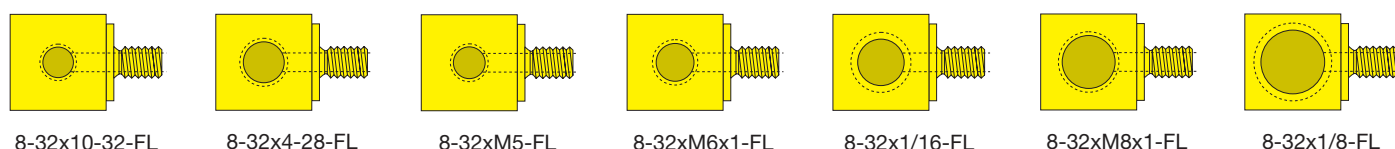
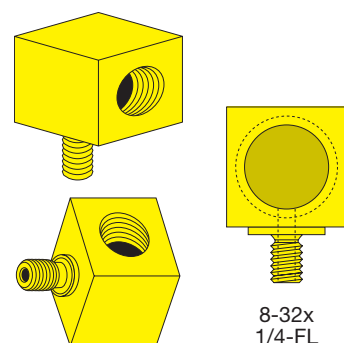
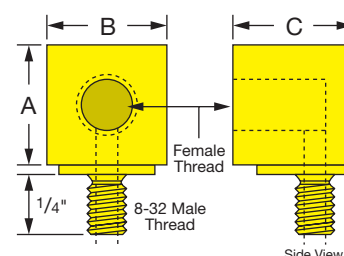
726

8-32 Male to Female Thread 90° Elbow Adapters

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!

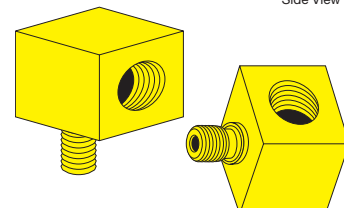
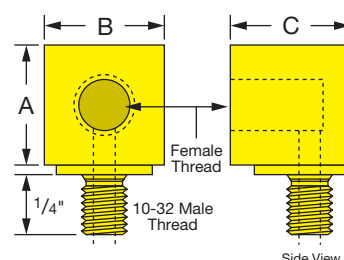


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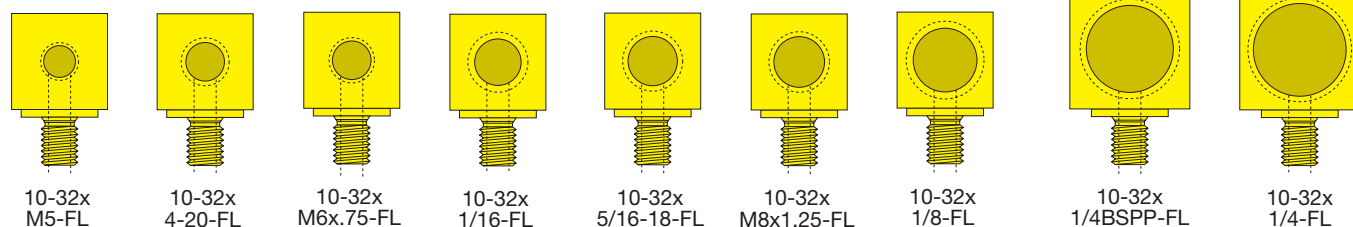
10-32 Male to Female Thread 90° Elbow Adapters

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

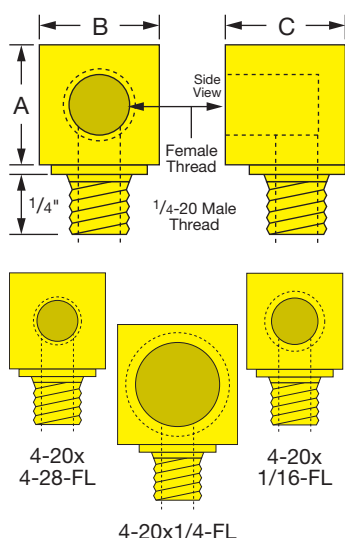
Male Thread	Female Thread	Part Numbers	Dimensions (Reference)		
		Brass	A Ref.	B Ref.	C Ref.
10-32	M6x1	10-32xM6x1-FL	1/2	1/2	1/2
10-32	M8x.75	10-32xM8x.75-FL	1/2	1/2	1/2
10-32	M8x1	10-32xM8x1-FL	1/2	1/2	1/2
10-32	M8x1.25	10-32xM8x1.25-FL	1/2	1/2	1/2
10-32	1/16 BSPT	10-32x1/16BSPT-FL	1/2	1/2	1/2
10-32	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



B2

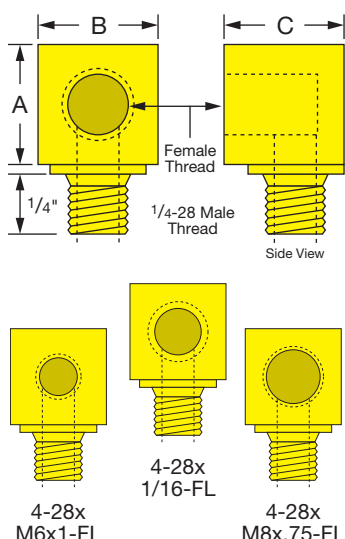
O-Ring options available!
Consult factory for details!

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

**4-20 (1/4-20) Male to Female Thread 90° Elbow Adapters****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

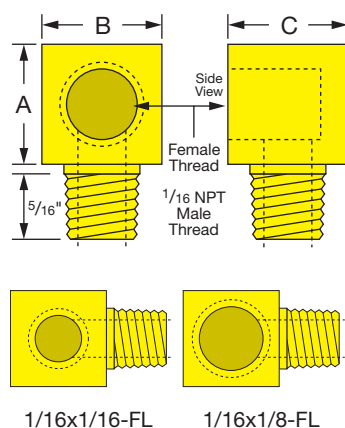
Male Thread	Female Thread	Part Numbers	Dimensions (Reference)		
		Brass	A Ref.	B Ref.	C Ref.
1/4-20	M8x.75	4-20xM8x.75-FL	1/2	1/2	1/2
1/4-20	M8x1	4-20xM8x1-FL	1/2	1/2	1/2
1/4-20	M8x1.25	4-20xM8x1.25-FL	1/2	1/2	1/2
1/4-20	1/16 BSPT	4-20x1/16BSPT-FL	1/2	1/2	1/2
1/4-20	1/8 BSPT	4-20x1/8BSPT-FL	1/2	1/2	1/2
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**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!

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

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

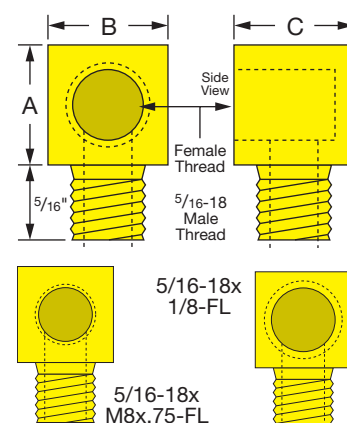
Material options for 1/4-20, 1/4-28, and 1/16 NPT thread elbow adapters listed on next page!

731

5/16-18 Male to Female Thread 90° Elbow Adapters

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



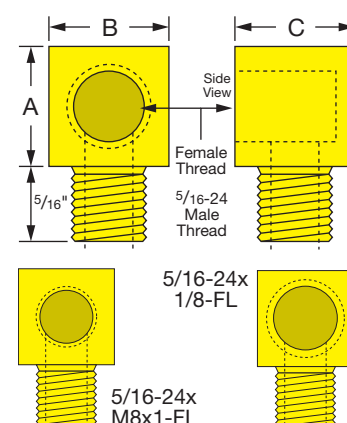
732

5/16-24 Male to Female Thread 90° Elbow Adapters

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

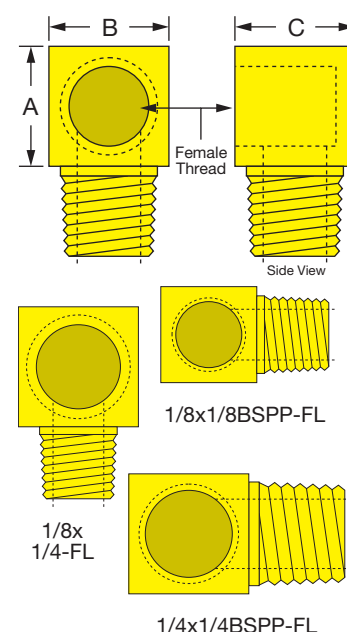


733

1/8 & 1/4 NPT Male to Female Thread 90° Elbow Adapters

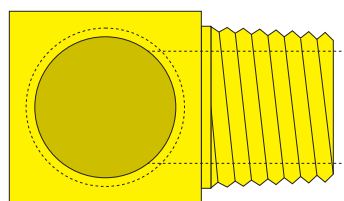
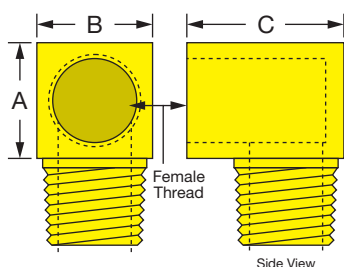
Male Thread	Female Thread	Part Numbers	Dimensions (Reference)		
		Brass	A Ref.	B Ref.	C Ref.
1/8	1/8	1/8x1/8-FL	1/2	1/2	1/2
1/8	1/4	1/8x1/4-FL	5/8	5/8	1/2
1/8	1/8 BSPT	1/8x1/8BSPT-FL	1/2	1/2	1/2
1/8	1/4 BSPT	1/8x1/4BSPT-FL	5/8	5/8	5/8
1/8	1/8 BSPP	1/8x1/8BSPP-FL	1/2	1/2	1/2
1/8	1/4 BSPP	1/8x1/4BSPP-FL	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

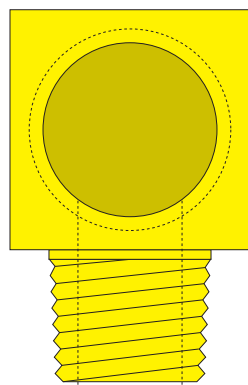


Note: Images are for visual representation only; not intended for measurements. Dimensions may vary at time of manufacturing.

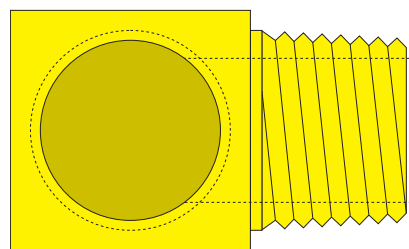
Unless otherwise specified, parts will be Brass. To order other materials, please add the following codes to the part number:
 -SS = Stainless Steel 303 -316SS = Stainless Steel 316 -AL = Aluminum -NP = Electroless Nickel Plate

**3/8, 1/2, 3/4 & 1 NPT Male to Female Thread 90° Elbow Adapters****734**

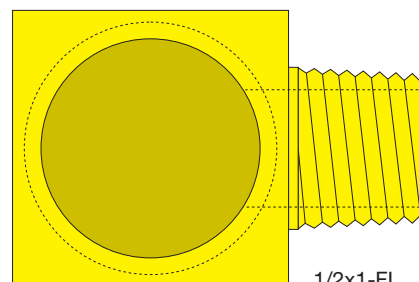
1/2x1/2BSPP-FL



1/2x3/4-FL

Material options listed on next page!

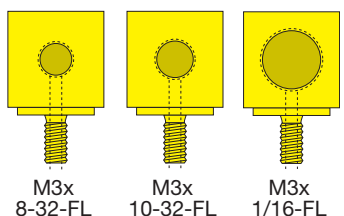
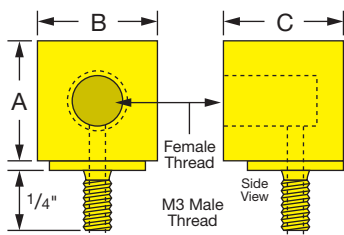
3/4x3/4BSPT-FL



1/2x1-FL

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

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

M3 Male to Female Thread 90° Elbow Adapters**735**

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

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

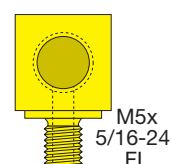
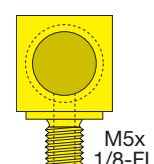
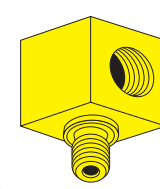
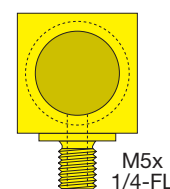
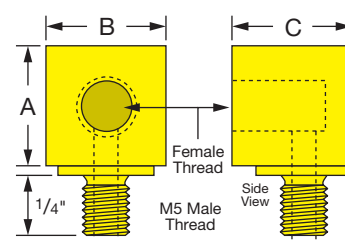
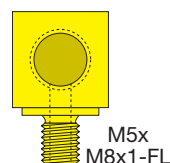
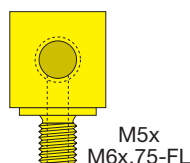
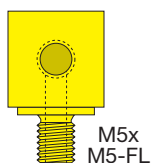
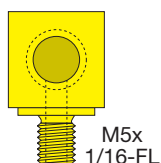
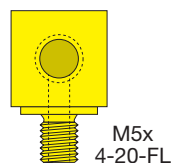
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M5 Male to Female Thread 90° Elbow Adapters

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

O-Ring options also available!



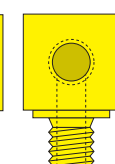
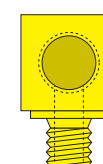
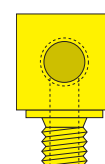
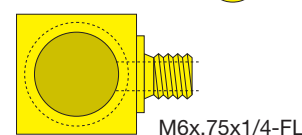
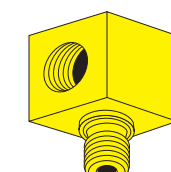
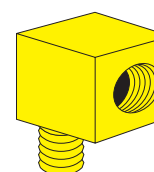
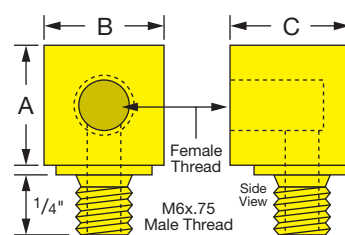
O-Ring material options listed on page 65!

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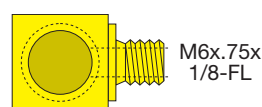
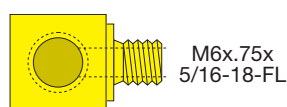
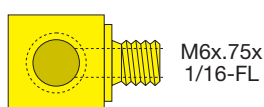
M6x.75 Male to Female Thread Adapter

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. Dimensions may vary at time of manufacturing.



SAE Threads Available!
Consult Factory for Details!

M4, M7, M 10, and Other Metric Thread Options Available! Lead Times and Minimum Quantities May Apply! Consult Factory for Details!

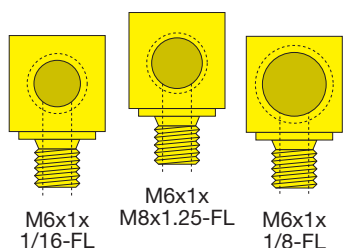
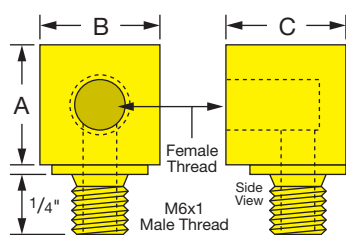
Unless otherwise specified, parts will be Brass. To order other materials, add the following codes to the end of the part number:

-SS = Stainless Steel 303

-316SS = Stainless Steel 316

-AL = Aluminum

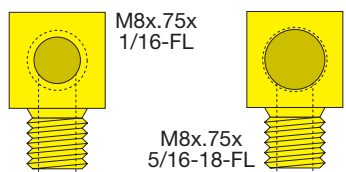
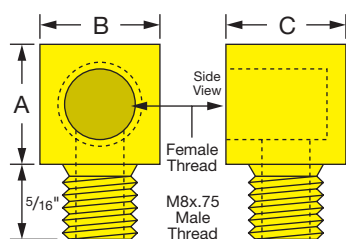
-NP = Electroless Nickel Plate

**M6x1 Male to Female Thread 90° Elbow Adapters****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

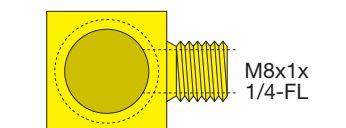
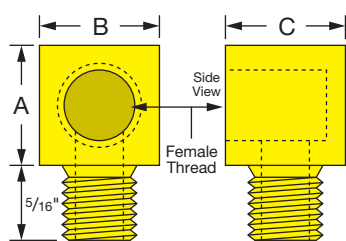
O-Ring options available! Consult factory for details!

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**739**

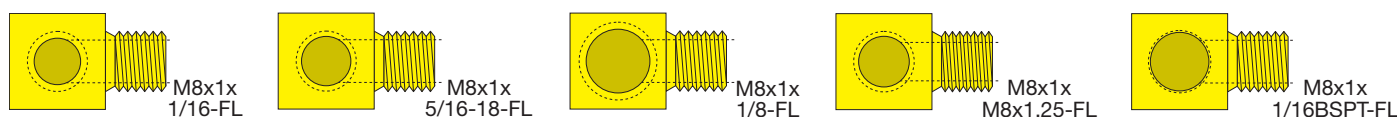
Male Thread	Female Thread	Part Numbers	Dimensions (Reference)		
		Brass	A Ref.	B Ref.	C Ref.
M8x.75	1/16	M8x.75x1/16-FL	1/2	1/2	1/2
M8x.75	5/16-18	M8x.75x5/16-18-FL	1/2	1/2	1/2
M8x.75	5/16-24	M8x.75x5/16-24-FL	1/2	1/2	1/2
M8x.75	1/8	M8x.75x1/8-FL	1/2	1/2	1/2
M8x.75	1/4	M8x.75x1/4-FL	5/8	5/8	1/2
M8x.75	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**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

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

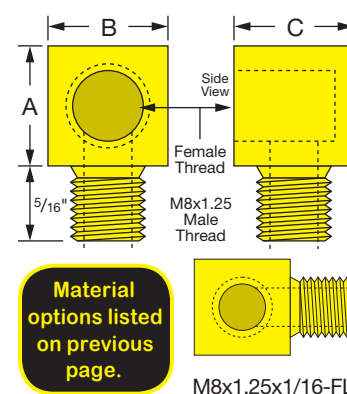
Unless otherwise specified, parts will be Brass. To order other materials, add the following codes to the end of the part number:
-SS = Stainless Steel 303 -316SS = Stainless Steel 316 -AL = Aluminum -NP = Electroless Nickel Plate

741

M8x1.25 Male to Female Thread 90° Elbow Adapters

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

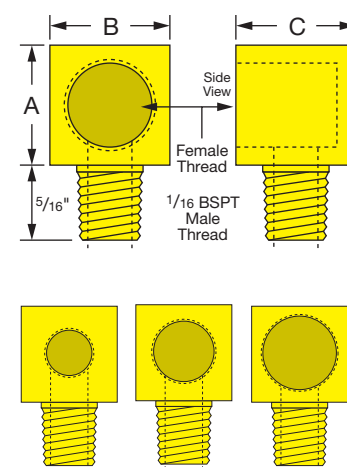


742

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	M6x.75	1/8BSPPx M6x.75-FL	1/2	1/2	1/2
1/16 BSPT	M6x1	1/8BSPPxM6x1-FL	1/2	1/2	1/2
1/16 BSPT	M8x.75	1/16BSPTx M8x.75-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	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
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



Material options listed on previous page.

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

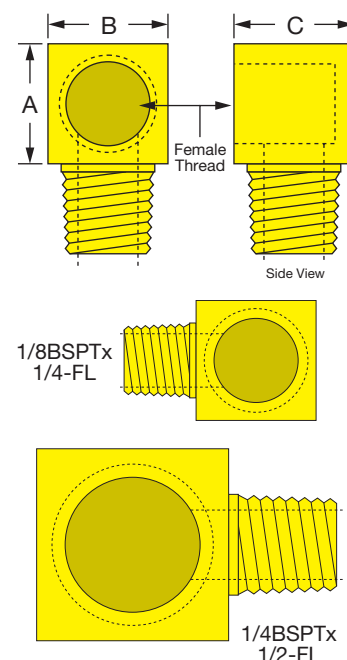
1/16BSPTx 1/16BSPTx 1/16BSPTx
M6x1-FL M8x.75-FL 1/8-FL

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

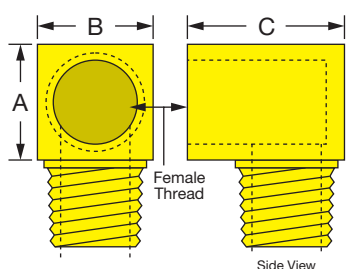


Material options listed on previous page.

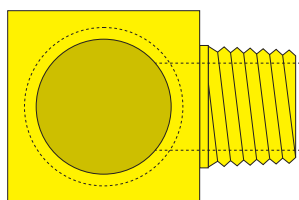
SAE standard threads available!

Consult factory for details!

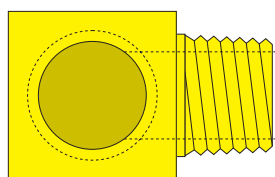
Other metric options available!

**3/8, 1/2, 3/4, & 1 BSPT Male to Female Thread 90° Elbow Adapters****744**

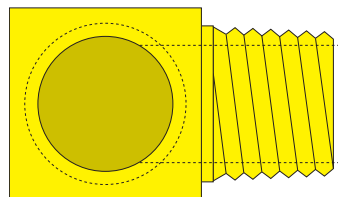
Side View



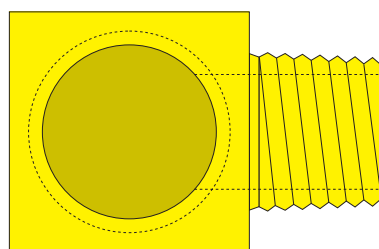
3/8BSPTx1/2BSPT-FL



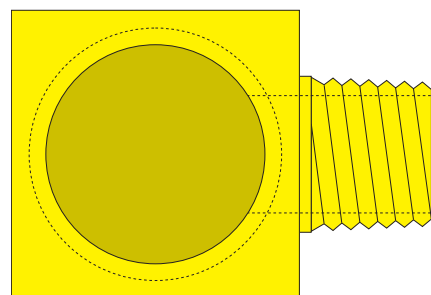
3/8BSPTx3/8-FL



1/2BSPTx1/2-FL



1/2BSPTx3/4-FL

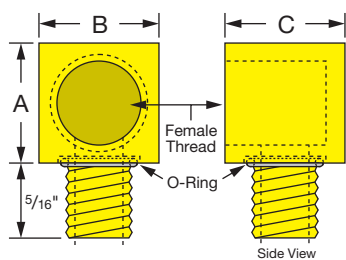
1/2BSPTx
1-FL

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

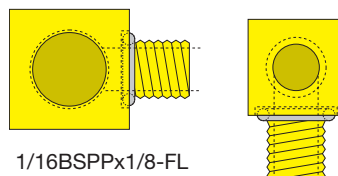
Male Thread	Female Thread	Part Numbers	Dimensions (Reference)		
		Brass	A Ref.	B Ref.	C Ref.
1/2 BSPT	1/2 BSPT	1/2BSPTx 1/2BSPT-FL	Consult Factory	Consult Factory	Consult Factory
1/2 BSPT	3/4 BSPT	1/2BSPTx 3/4BSPT-FL	Consult Factory	Consult Factory	Consult Factory
1/2 BSPT	1 BSPT	1/2BSPTx 1BSPT-FL	Consult 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**

B2



Side View



1/16BSPPx1/8-FL

1/16BSPPx1/16-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

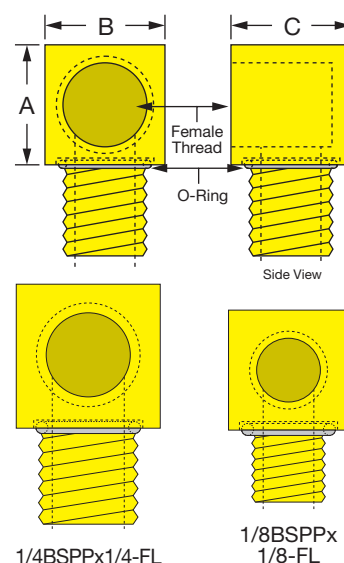
746

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

Supplied with Standard BUNA-N O-Ring!

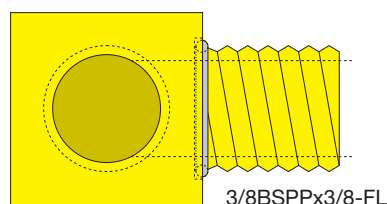
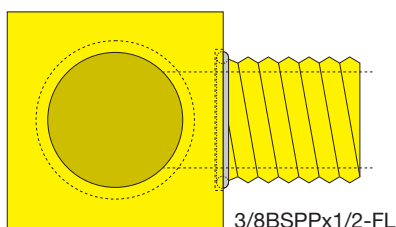
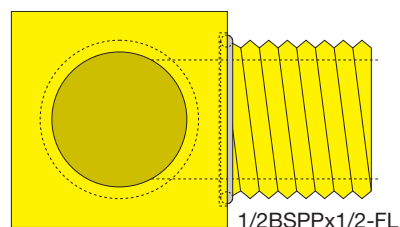
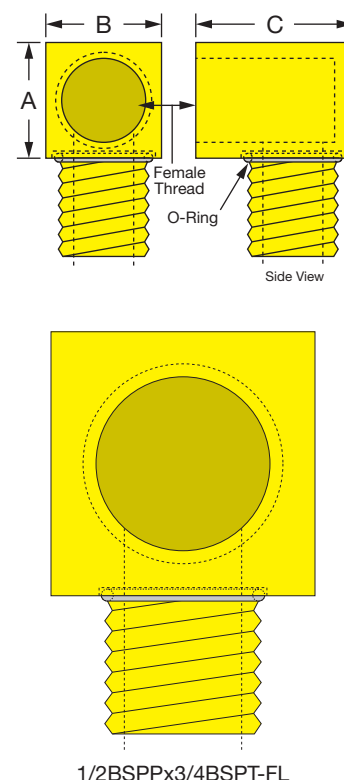


747

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



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

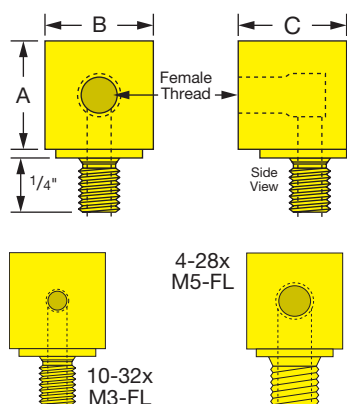
Unless otherwise specified, parts will be Brass. To order other materials, add the following codes to the end of the part number:

-SS = Stainless Steel 303

-316SS = Stainless Steel 316

-AL = Aluminum

-NP = Electroless Nickel Plate

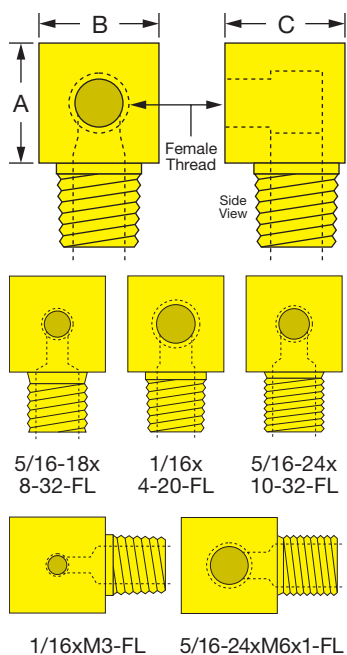
**8-32, 10-32, 4-20 (1/4-20), & 4-28 (1/4-28) Male to Female Thread 90° Reducing Elbow Adapters 748**

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!

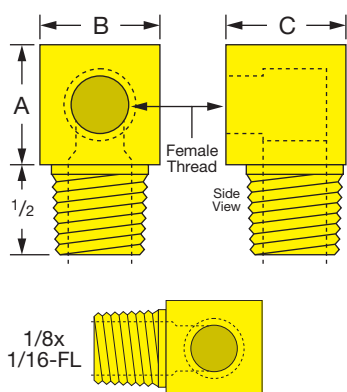
Material options listed on next page.

1/16 NPT, 5/16-18, & 5/16-24 Male to Female Thread 90° Reducing 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	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.

1/8 NPT Male to Female Thread 90° Reducing 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

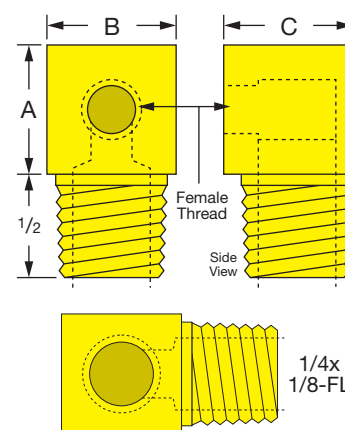
Material options listed on next page.

751

1/4 NPT Male to Female Thread 90° Reducing 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



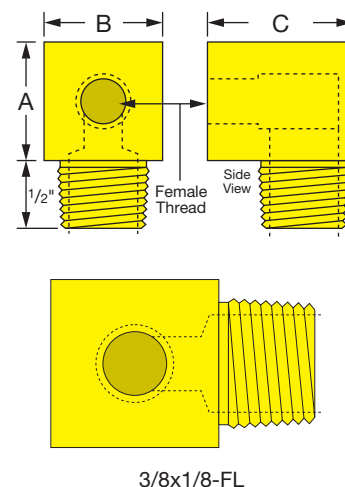
Note: Images are for visual representation only. Dimensions may vary at time of manufacturing.

752

3/8 NPT Male to Female Thread 90° Reducing 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

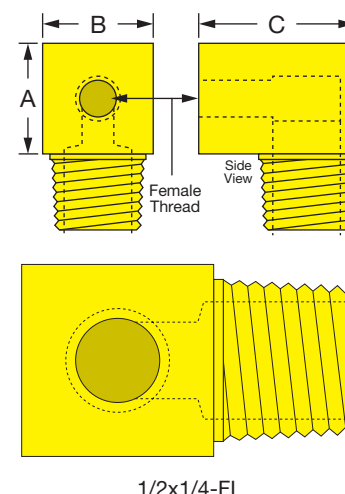


753

1/2 NPT Male to Female Thread 90° Reducing 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

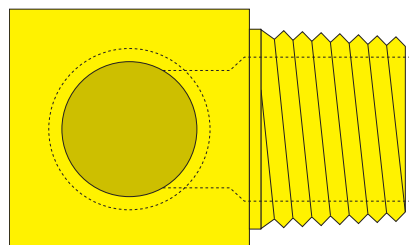
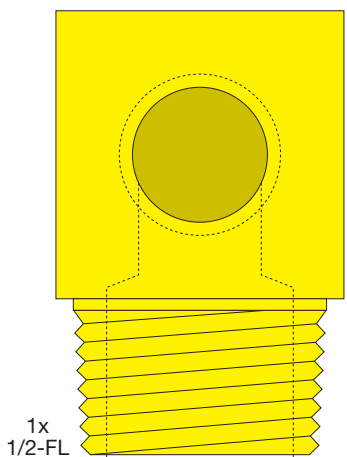
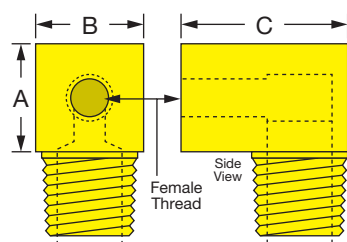
Unless otherwise specified, parts will be Brass. To order other materials, add the following codes to the end of the part number:

-SS = Stainless Steel 303

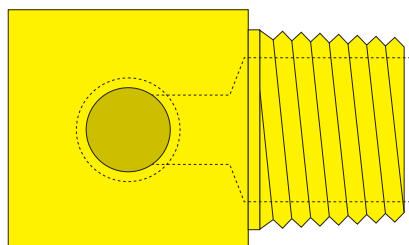
-316SS = Stainless Steel 316

-AL = Aluminum

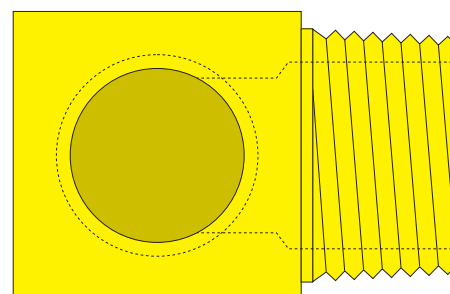
-NP = Electroless Nickel Plate

**3/4 & 1 NPT Male to Female Thread 90° Reducing Elbow Adapters****754**

3/4x1/2-FL



3/4x1/4-FL

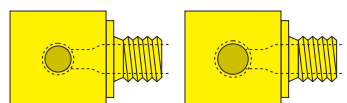
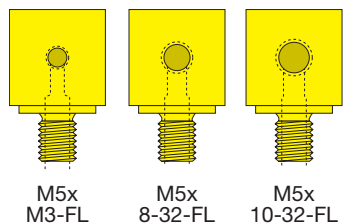
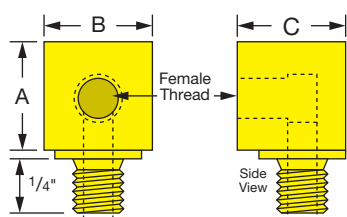


1x3/4-FL

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	Factory	Factory	Factory
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	Factory	Factory	Factory
3/4	1/8 BSPP	3/4x1/8BSPP-FL	Consult	Consult	Consult
3/4	1/4 BSPP	3/4x1/4BSPP-FL	Consult	Consult	Consult

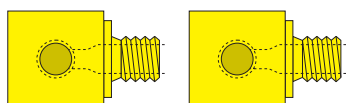
Material options listed on next page.

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

M5, M6x.75, & M6x1 Male to Female Thread 90° Reducing Elbow Adapters**755**

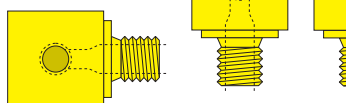
M6x.75x8-32-FL

M6x.75x10-32-FL

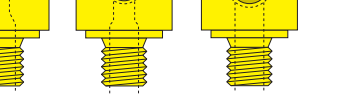


M6x.75xM3-FL

M6x.75xM5-FL



M6x1x8-32-FL



M6x1x10-32-FL

M6x1xM3-FL

M6x1xM5-FL

M6x1xM6x.75-FL

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

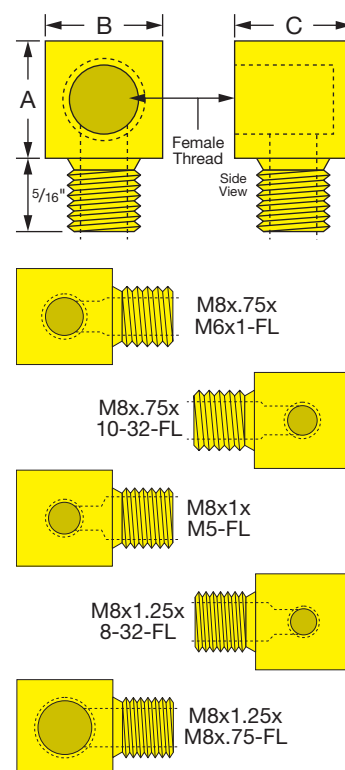
Material options listed on next page.

756 M8x.75, M8x1, & M8x1.25 Male to Female Thread 90° Reducing Elbow Adapters

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

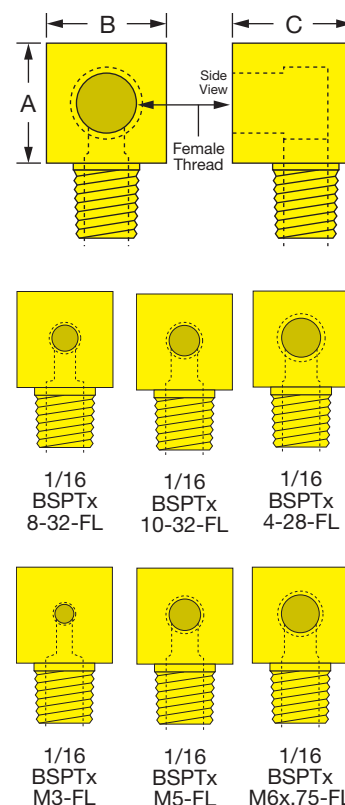
Male Thread	Female Thread	Part Numbers	Dimensions (Reference)		
		Brass	A Ref.	B Ref.	C Ref.
M8x1	M6x.75	M8x1xM6x.75-FL	1/2	1/2	1/2
M8x1	M6x1	M8x1xM6x1-FL	1/2	1/2	1/2
M8x1	M8x.75	M8x1xM8x.75-FL	1/2	1/2	1/2
M8x1.25	8-32	M8x1.25x8-32-FL	1/2	1/2	1/2
M8x1.25	10-32	M8x1.25x10-32-FL	1/2	1/2	1/2
M8x1.25	1/4-20	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

Other Metric Options Available!


757 1/16 & 1/8 BSPT Male to Female Thread 90° Reducing Elbow Adapters

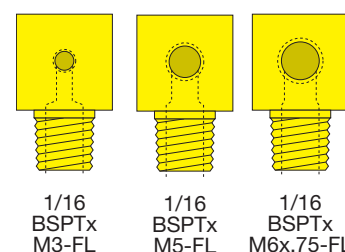
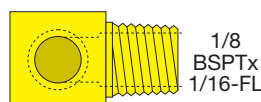
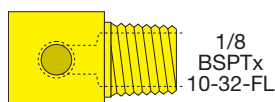
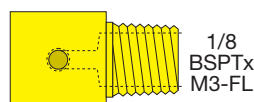
Male Thread	Female Thread	Part Numbers	Dimensions (Reference)		
		Brass	A Ref.	B Ref.	C Ref.
1/16 BSPT	8-32	1/16BSPTx8-32-FL	1/2	1/2	1/2
1/16 BSPT	10-32	1/16BSPT x10-32-FL	1/2	1/2	1/2
1/16 BSPT	1/4-20	1/16BSPTx4-20-FL	1/2	1/2	1/2
1/16 BSPT	1/4-28	1/16BSPTx4-28-FL	1/2	1/2	1/2
1/16 BSPT	M3	1/16BSPTx M3-FL	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!



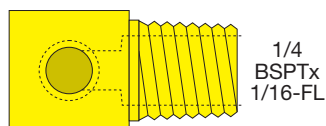
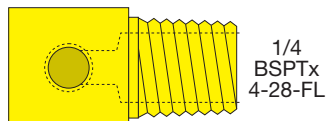
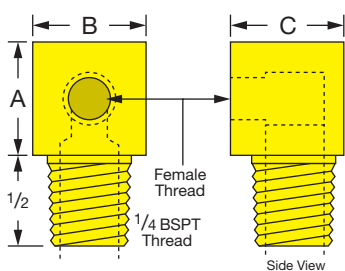
Unless otherwise specified, parts will be Brass. To order other materials, add the following codes to the end of the part number:

-SS = Stainless Steel 303

-316SS = Stainless Steel 316

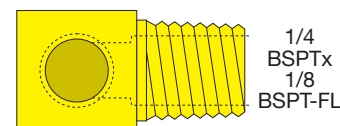
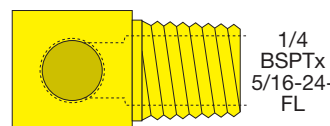
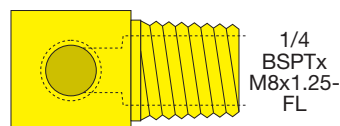
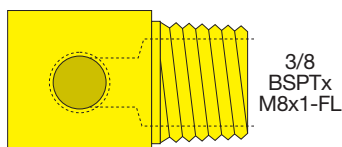
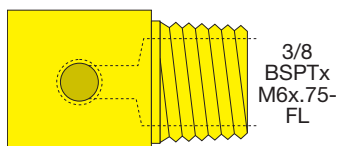
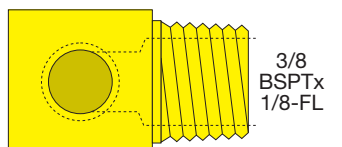
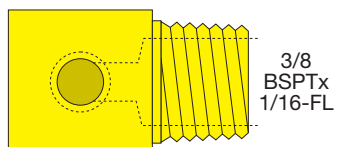
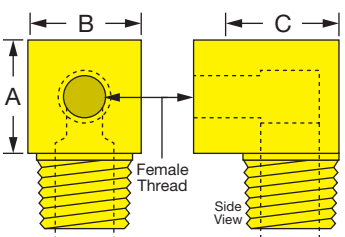
-AL = Aluminum

-NP = Electroless Nickel Plate

**1/4 BSPT Male to Female Thread 90° Reducing Elbow Adapters****758**

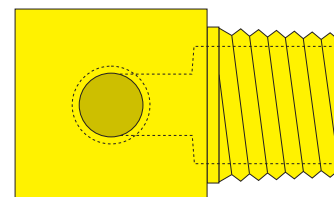
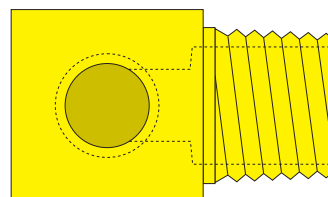
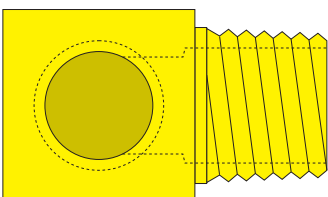
Male Thread	Female Thread	Part Numbers	Dimensions (Reference)		
		Brass	A Ref.	B Ref.	C Ref.
1/4 BSPT	1/4-28	1/4BSPTx4-28-FL	5/8	5/8	5/8
1/4 BSPT	1/16	1/4BSPTx1/16-FL	5/8	5/8	5/8
1/4 BSPT	5/16-18	1/4BSPTx5/16-18-FL	5/8	5/8	5/8
1/4 BSPT	5/16-24	1/4BSPTx5/16-24-FL	5/8	5/8	5/8
1/4 BSPT	1/8	1/4BSPTx1/8-FL	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)		
		Brass	A Ref.	B Ref.	C Ref.
1/4 BSPT	M8x.75	1/4BSPTxM8x.75-FL	5/8	5/8	5/8
1/4 BSPT	M8x1	1/4BSPTxM8x1-FL	5/8	5/8	5/8
1/4 BSPT	M8x1.25	1/4BSPTxM8x1.25-FL	5/8	5/8	5/8
1/4 BSPT	1/16 BSPT	1/4BSPTx 1/16BSPT-FL	5/8	5/8	5/8
1/4 BSPT	1/8 BSPT	1/4BSPTx1/8BSPT-FL	5/8	5/8	5/8
1/4 BSPT	1/16 BSPP	1/4BSPTx 1/16BSPP-FL	5/8	5/8	5/8
1/4 BSPT	1/8 BSPP	1/4BSPTx 1/8BSPP-FL	5/8	5/8	5/8

**3/8 & 1/2 BSPT Male to Female Thread 90° Reducing Elbow Adapters****759**

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)		
		Brass	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	3/8BSPTx 1/16BSPT-FL	Factory	Factory	Factory
3/8 BSPT	1/8 BSPT	3/8BSPTx 1/8BSPT-FL	Factory	Factory	Factory
3/8 BSPT	1/4 BSPT	3/8BSPTx 1/4BSPT-FL	Factory	Factory	Factory

Male Thread	Female Thread	Part Numbers	Dimensions (Reference)		
		Brass	A Ref.	B Ref.	C Ref.
3/8 BSPT	1/16 BSPP	3/8BSPTx 1/16BSPP-FL	Factory	Factory	Factory
3/8 BSPT	1/8 BSPP	3/8BSPTx 1/8BSPP-FL	Factory	Factory	Factory
3/8 BSPT	1/4 BSPP	3/8BSPTx 1/4BSPP-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	1/2BSPTx M8x.75-FL	Factory	Factory	Factory
1/2 BSPT	M8x1	1/2BSPTx M8x1-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	1/2BSPTx 1/4BSPP-FL	Factory	Factory	Factory
1/2 BSPT	3/8 BSPP	1/2BSPTx 3/8BSPP-FL	Factory	Factory	Factory



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

1/2BSPTx3/8-FL

1/2BSPTx1/4-FL

1/2BSPTx1/8-FL

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

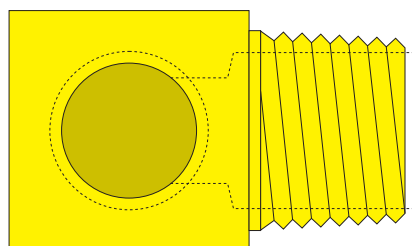
-SS = Stainless Steel 303**-316SS = Stainless Steel 316****-AL = Aluminum****-NP = Electroless Nickel Plate**

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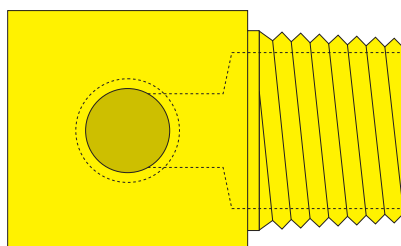
3/4 & 1 BSPT Male to Female Thread 90° Reducing Elbow Adapters

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
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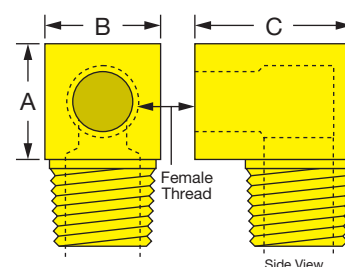
Material options listed on previous page.



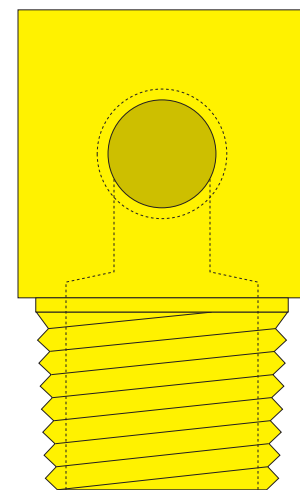
3/4BSPTx1/2-FL



3/4BSPTx1/4-FL



Side View



1BSPTx3/8-FL

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

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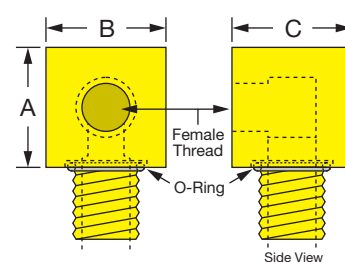
1/16 & 1/8 BSPP Male to Female Thread 90° Reducing Elbow Adapters

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
1/8 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

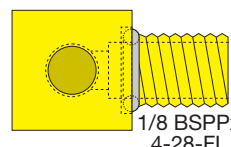
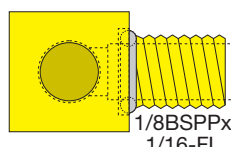
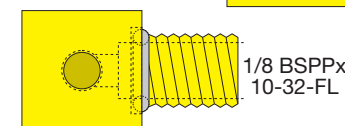
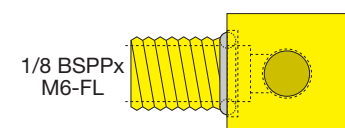
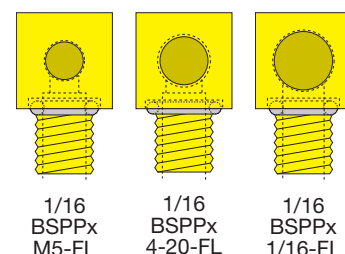
Supplied with standard BUNA-N O-Ring!

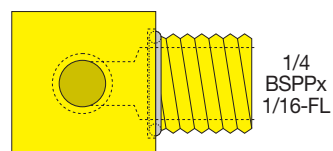
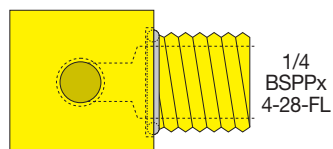
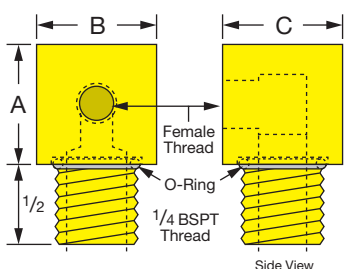
O-Ring material options listed on page 65! Consult factory for details!

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



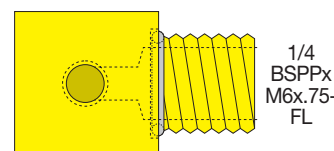
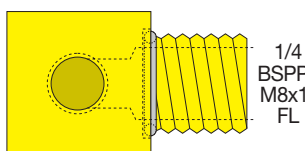
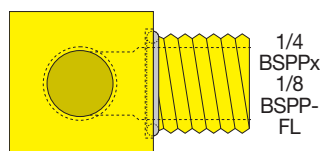
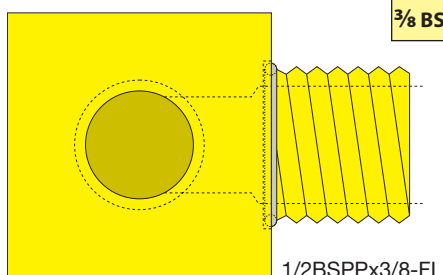
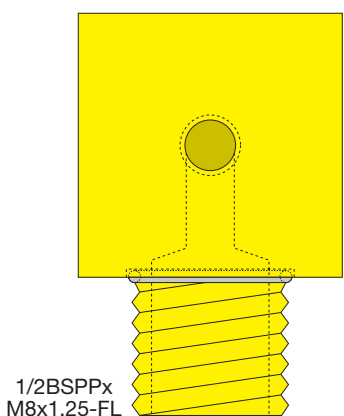
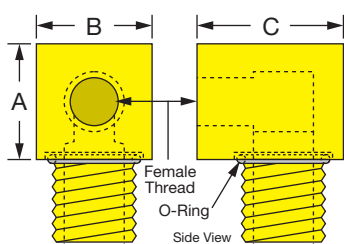
Side View



**1/4 BSPP Male to Female Thread 90° Reducing Elbow Adapters****762**

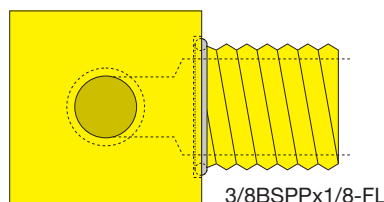
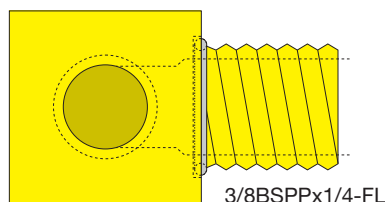
Male Thread	Female Thread	Part Numbers	Dimensions (Reference)		
		Brass	A Ref.	B Ref.	C Ref.
1/4 BSPP	1/4-28	1/4BSPPx4-28-FL	Consult Factory	Consult Factory	Consult Factory
1/4 BSPP	1/16	1/4BSPPx1/16-FL	Consult Factory	Consult Factory	Consult Factory
1/4 BSPP	5/16-18	1/4BSPPx5/16-18-FL	Consult Factory	Consult Factory	Consult Factory
1/4 BSPP	5/16-24	1/4BSPPx5/16-24-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 90° Reducing 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	3/8BSPPx5/16-18-FL	Consult Factory	Consult Factory	Consult Factory
3/8 BSPP	5/16-24	3/8BSPPx5/16-24-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	3/8BSPPxM6x.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	3/8BSPPxM8x.75-FL	Consult Factory	Consult Factory	Consult Factory
3/8 BSPP	M8x1	3/8BSPPxM8x1-FL	Consult Factory	Consult Factory	Consult Factory
3/8 BSPP	M8x1.25	3/8BSPPxM8x1.25-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	1/2BSPPxM8x1.25-FL	Consult Factory	Consult Factory	Consult Factory
1/2 BSPP	1/4 BSPT	1/2BSPPx1/4BSPT-FL	Consult Factory	Consult Factory	Consult Factory
1/2 BSPP	3/8 BSPT	1/2BSPPx3/8BSPT-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

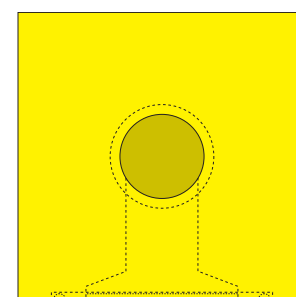
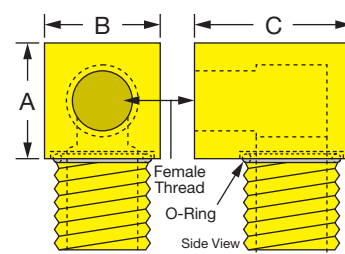
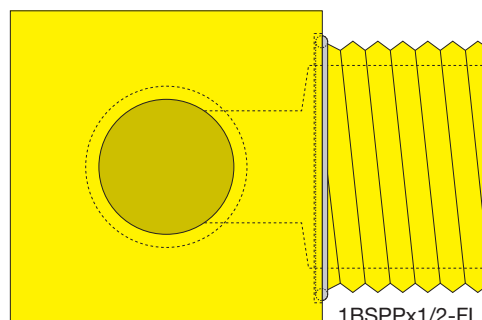
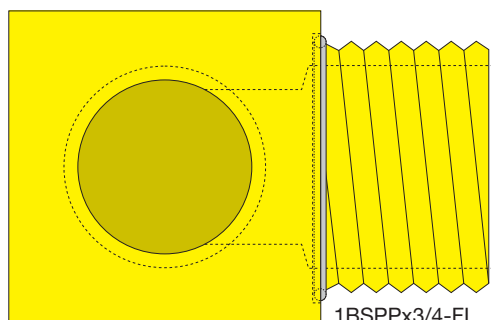
-AL = Aluminum

-NP = Electroless Nickel Plate

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3/4 & 1 BSPP Male to Female Thread 90° Reducing 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

Supplied with Standard BUNA-N O-Ring!

3/4BSPPx1/4-FL

Other O-Ring material options available! See page 65! Consult factory for details!

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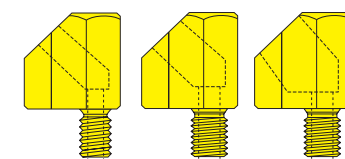
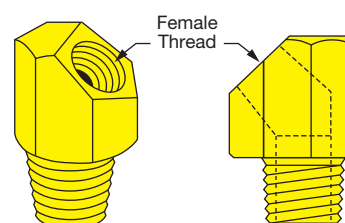
Male to Female Thread 45° Elbow Adapters

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

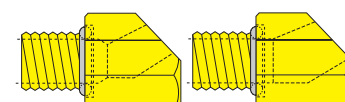
Metric Thread Sizes	
M3	M8x.75
M5	M8x1
M6x.75	M8x1.25
M6x1	M10x1

O-Ring Options Available!

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



8-32x10-32-FL-45° 10-32x4-28-FL-45° 10-32x1/8-FL-45°



1/16BSPPx4-28-FL-45° 1/16BSPPx1/16-FL-45°

Part Numbers for Male to Female Thread 45° Elbow Adapters:

Male Thread Size	→ #/#	X	#	-	FL-45°	Fitting Series
			Female Thread Size			

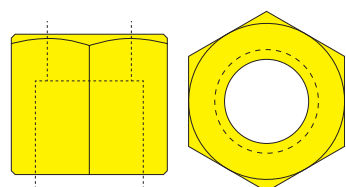
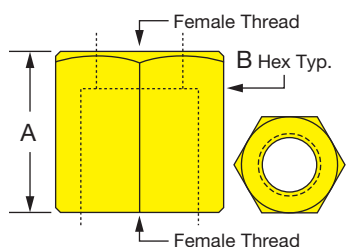
Other metric options available; lead times and quantities apply:**M4, M7x1, M10x.75, M10x1, M10x1.5, M12x1, M12x1.25, & M12x1.5**

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

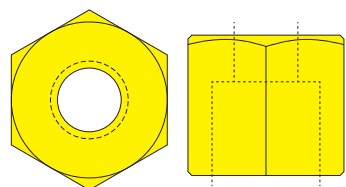


Reducing Female x Female Hex Cap Adapters

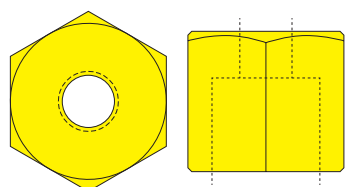
766



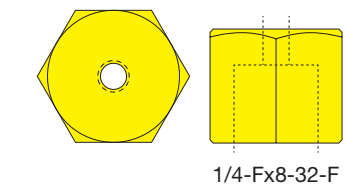
3/8-Fx1/4-F



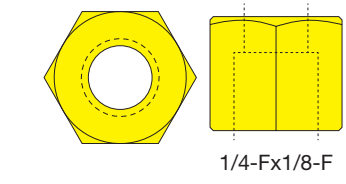
3/8-Fx1/8-F



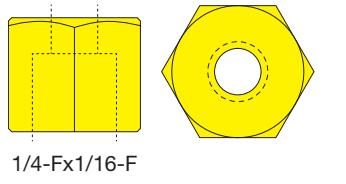
3/8-Fx5/16-24-F



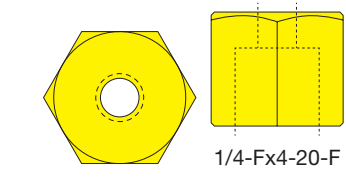
1/4-Fx8-32-F



1/4-Fx1/8-F

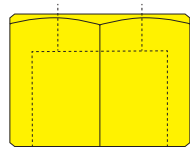


1/4-Fx1/16-F

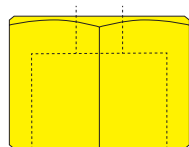


1/4-Fx4-20-F

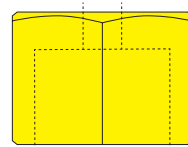
Female Thread	Female Thread	Part Numbers					Dimensions (Reference)	
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.
1/2	3/8	1/2-Fx3/8-F	1/2-Fx3/8-F-SS	1/2-Fx3/8-F-316SS	1/2-Fx3/8-F-AL	1/2-Fx3/8-F-NP	.690	15/16
1/2	1/4	1/2-Fx1/4-F	1/2-Fx1/4-F-SS	1/2-Fx1/4-F-316SS	1/2-Fx1/4-F-AL	1/2-Fx1/4-F-NP	.690	15/16
1/2	1/8	1/2-Fx1/8-F	1/2-Fx1/8-F-SS	1/2-Fx1/8-F-316SS	1/2-Fx1/8-F-AL	1/2-Fx1/8-F-NP	.690	15/16
1/2	5/16-24	1/2-Fx5/16-24-F	1/2-Fx5/16-24-F-SS	1/2-Fx5/16-24-F-316SS	1/2-Fx5/16-24-F-AL	1/2-Fx5/16-24-F-NP	.690	15/16
1/2	5/16-18	1/2-Fx5/16-18-F	1/2-Fx5/16-18-F-SS	1/2-Fx5/16-18-F-316SS	1/2-Fx5/16-18-F-AL	1/2-Fx5/16-18-F-NP	.690	15/16
1/2	1/16	1/2-Fx1/16-F	1/2-Fx1/16-F-SS	1/2-Fx1/16-F-316SS	1/2-Fx1/16-F-AL	1/2-Fx1/16-F-NP	.690	15/16
1/2	1/4-28	1/2-Fx4-28-F	1/2-Fx4-28-F-SS	1/2-Fx4-28-F-316SS	1/2-Fx4-28-F-AL	1/2-Fx4-28-F-NP	.690	15/16
1/2	1/4-20	1/2-Fx4-20-F	1/2-Fx4-20-F-SS	1/2-Fx4-20-F-316SS	1/2-Fx4-20-F-AL	1/2-Fx4-20-F-NP	.690	15/16
1/2	10-32	1/2-Fx10-32-F	1/2-Fx10-32-F-SS	1/2-Fx10-32-F-316SS	1/2-Fx10-32-F-AL	1/2-Fx10-32-F-NP	.690	15/16
1/2	8-32	1/2-Fx8-32-F	1/2-Fx8-32-F-SS	1/2-Fx8-32-F-316SS	1/2-Fx8-32-F-AL	1/2-Fx8-32-F-NP	.690	15/16
3/8	1/4	3/8-Fx1/4-F	3/8-Fx1/4-F-SS	3/8-Fx1/4-F-316SS	3/8-Fx1/4-F-AL	3/8-Fx1/4-F-NP	.731	13/16
3/8	1/8	3/8-Fx1/8-F	3/8-Fx1/8-F-SS	3/8-Fx1/8-F-316SS	3/8-Fx1/8-F-AL	3/8-Fx1/8-F-NP	.731	13/16
3/8	5/16-24	3/8-Fx5/16-24-F	3/8-Fx5/16-24-F-SS	3/8-Fx5/16-24-F-316SS	3/8-Fx5/16-24-F-AL	3/8-Fx5/16-24-F-NP	.731	13/16
3/8	5/16-18	3/8-Fx5/16-18-F	3/8-Fx5/16-18-F-SS	3/8-Fx5/16-18-F-316SS	3/8-Fx5/16-18-F-AL	3/8-Fx5/16-18-F-NP	.731	13/16
3/8	1/16	3/8-Fx1/16-F	3/8-Fx1/16-F-SS	3/8-Fx1/16-F-316SS	3/8-Fx1/16-F-AL	3/8-Fx1/16-F-NP	.731	13/16
3/8	1/4-28	3/8-Fx4-28-F	3/8-Fx4-28-F-SS	3/8-Fx4-28-F-316SS	3/8-Fx4-28-F-AL	3/8-Fx4-28-F-NP	.731	13/16
3/8	1/4-20	3/8-Fx4-20-F	3/8-Fx4-20-F-SS	3/8-Fx4-20-F-316SS	3/8-Fx4-20-F-AL	3/8-Fx4-20-F-NP	.731	13/16
3/8	10-32	3/8-Fx10-32-F	3/8-Fx10-32-F-SS	3/8-Fx10-32-F-316SS	3/8-Fx10-32-F-AL	3/8-Fx10-32-F-NP	.731	13/16
3/8	8-32	3/8-Fx8-32-F	3/8-Fx8-32-F-SS	3/8-Fx8-32-F-316SS	3/8-Fx8-32-F-AL	3/8-Fx8-32-F-NP	.731	13/16
1/4	1/8	1/4-Fx1/8-F	1/4-Fx1/8-F-SS	1/4-Fx1/8-F-316SS	1/4-Fx1/8-F-AL	1/4-Fx1/8-F-NP	.595	11/16
1/4	5/16-24	1/4-Fx5/16-24-F	1/4-Fx5/16-24-F-SS	1/4-Fx5/16-24-F-316SS	1/4-Fx5/16-24-F-AL	1/4-Fx5/16-24-F-NP	.595	11/16
1/4	5/16-18	1/4-Fx5/16-18-F	1/4-Fx5/16-18-F-SS	1/4-Fx5/16-18-F-316SS	1/4-Fx5/16-18-F-AL	1/4-Fx5/16-18-F-NP	.595	11/16
1/4	1/16	1/4-Fx1/16-F	1/4-Fx1/16-F-SS	1/4-Fx1/16-F-316SS	1/4-Fx1/16-F-AL	1/4-Fx1/16-F-NP	.595	11/16
1/4	1/4-28	1/4-Fx4-28-F	1/4-Fx4-28-F-SS	1/4-Fx4-28-F-316SS	1/4-Fx4-28-F-AL	1/4-Fx4-28-F-NP	.595	11/16
1/4	1/4-20	1/4-Fx4-20-F	1/4-Fx4-20-F-SS	1/4-Fx4-20-F-316SS	1/4-Fx4-20-F-AL	1/4-Fx4-20-F-NP	.595	11/16
1/4	10-32	1/4-Fx10-32-F	1/4-Fx10-32-F-SS	1/4-Fx10-32-F-316SS	1/4-Fx10-32-F-AL	1/4-Fx10-32-F-NP	.595	11/16
1/4	8-32	1/4-Fx8-32-F	1/4-Fx8-32-F-SS	1/4-Fx8-32-F-316SS	1/4-Fx8-32-F-AL	1/4-Fx8-32-F-NP	.595	11/16



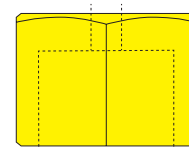
1/2-Fx1/4-F



1/2-Fx1/16-F



1/2-Fx4-28-F



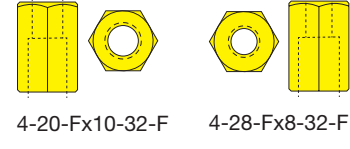
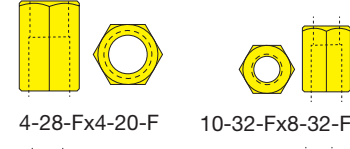
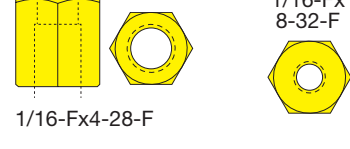
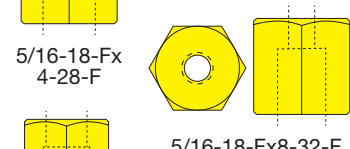
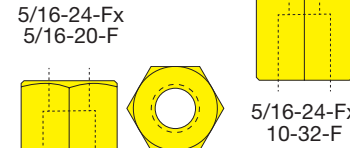
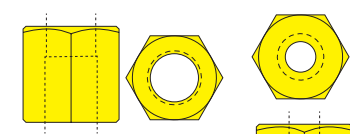
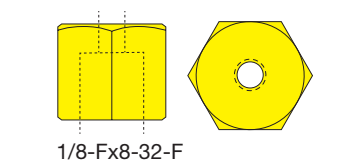
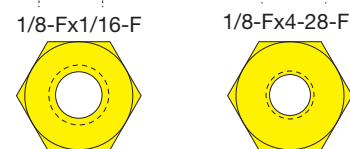
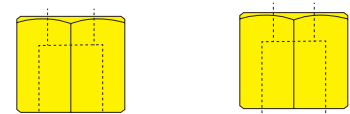
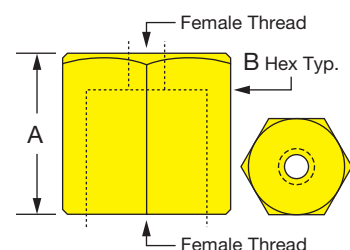
1/2-Fx10-32-F

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

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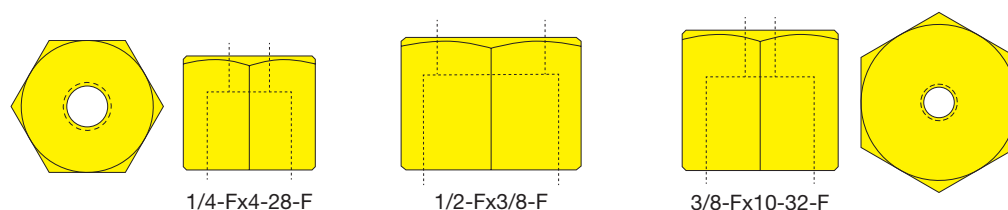
Reducing Female x Female Hex Cap Adapters

Female Thread	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-Fx5/16-24-F	1/8-Fx5/16-24-F-SS	1/8-Fx5/16-24-F-316SS	1/8-Fx5/16-24-F-AL	1/8-Fx5/16-24-F-NP	1/2	9/16
1/8	5/16-18	1/8-Fx5/16-18-F	1/8-Fx5/16-18-F-SS	1/8-Fx5/16-18-F-316SS	1/8-Fx5/16-18-F-AL	1/8-Fx5/16-18-F-NP	1/2	9/16
1/8	1/16	1/8-Fx1/16-F	1/8-Fx1/16-F-SS	1/8-Fx1/16-F-316SS	1/8-Fx1/16-F-AL	1/8-Fx1/16-F-NP	1/2	9/16
1/8	1/4-28	1/8-Fx4-28-F	1/8-Fx4-28-F-SS	1/8-Fx4-28-F-316SS	1/8-Fx4-28-F-AL	1/8-Fx4-28-F-NP	1/2	9/16
1/8	1/4-20	1/8-Fx4-20-F	1/8-Fx4-20-F-SS	1/8-Fx4-20-F-316SS	1/8-Fx4-20-F-AL	1/8-Fx4-20-F-NP	1/2	9/16
1/8	10-32	1/8-Fx10-32-F	1/8-Fx10-32-F-SS	1/8-Fx10-32-F-316SS	1/8-Fx10-32-F-AL	1/8-Fx10-32-F-NP	1/2	9/16
1/8	8-32	1/8-Fx8-32-F	1/8-Fx8-32-F-SS	1/8-Fx8-32-F-316SS	1/8-Fx8-32-F-AL	1/8-Fx8-32-F-NP	1/2	9/16
5/16-24	5/16-18	5/16-24-Fx5/16-18-F	5/16-24-Fx5/16-18-F-SS	5/16-24-Fx5/16-18-F-316SS	5/16-24-Fx5/16-18-F-AL	5/16-24-Fx5/16-18-F-NP	7/16	1/2
5/16-24	1/16	5/16-24-Fx1/16-F	5/16-24-Fx1/16-F-SS	5/16-24-Fx1/16-F-316SS	5/16-24-Fx1/16-F-AL	5/16-24-Fx1/16-F-NP	7/16	1/2
5/16-24	1/4-28	5/16-24-Fx4-28-F	5/16-24-Fx4-28-F-SS	5/16-24-Fx4-28-F-316SS	5/16-24-Fx4-28-F-AL	5/16-24-Fx4-28-F-NP	7/16	1/2
5/16-24	1/4-20	5/16-24-Fx4-20-F	5/16-24-Fx4-20-F-SS	5/16-24-Fx4-20-F-316SS	5/16-24-Fx4-20-F-AL	5/16-24-Fx4-20-F-NP	7/16	1/2
5/16-24	0-32	5/16-24-Fx10-32-F	5/16-24-Fx10-32-F-SS	5/16-24-Fx10-32-F-316SS	5/16-24-Fx10-32-F-AL	5/16-24-Fx10-32-F-NP	7/16	1/2
5/16-24	8-32	5/16-24-Fx8-32-F	5/16-24-Fx8-32-F-SS	5/16-24-Fx8-32-F-316SS	5/16-24-Fx8-32-F-AL	5/16-24-Fx8-32-F-NP	7/16	1/2
5/16-18	1/16	5/16-18-Fx1/16-F	5/16-18-Fx1/16-F-SS	5/16-18-Fx1/16-F-316SS	5/16-18-Fx1/16-F-AL	5/16-18-Fx1/16-F-NP	7/16	1/2
5/16-18	1/4-28	5/16-18-Fx4-28-F	5/16-18-Fx4-28-F-SS	5/16-18-Fx4-28-F-316SS	5/16-18-Fx4-28-F-AL	5/16-18-Fx4-28-F-NP	7/16	1/2
5/16-18	1/4-20	5/16-18-Fx4-20-F	5/16-18-Fx4-20-F-SS	5/16-18-Fx4-20-F-316SS	5/16-18-Fx4-20-F-AL	5/16-18-Fx4-20-F-NP	7/16	1/2
5/16-18	10-32	5/16-18-Fx10-32-F	5/16-18-Fx10-32-F-SS	5/16-18-Fx10-32-F-316SS	5/16-18-Fx10-32-F-AL	5/16-18-Fx10-32-F-NP	7/16	1/2
5/16-18	8-32	5/16-18-Fx8-32-F	5/16-18-Fx8-32-F-SS	5/16-18-Fx8-32-F-316SS	5/16-18-Fx8-32-F-AL	5/16-18-Fx8-32-F-NP	7/16	1/2
1/16	1/4-28	1/16-Fx4-28-F	1/16-Fx4-28-F-SS	1/16-Fx4-28-F-316SS	1/16-Fx4-28-F-AL	1/16-Fx4-28-F-NP	15/32	3/8
1/16	1/4-20	1/16-Fx4-20-F	1/16-Fx4-20-F-SS	1/16-Fx4-20-F-316SS	1/16-Fx4-20-F-AL	1/16-Fx4-20-F-NP	15/32	3/8
1/16	10-32	1/16-Fx10-32-F	1/16-Fx10-32-F-SS	1/16-Fx10-32-F-316SS	1/16-Fx10-32-F-AL	1/16-Fx10-32-F-NP	15/32	3/8
1/16	8-32	1/16-Fx8-32-F	1/16-Fx8-32-F-SS	1/16-Fx8-32-F-316SS	1/16-Fx8-32-F-AL	1/16-Fx8-32-F-NP	15/32	3/8
1/4-28	1/4-20	4-28-Fx4-20-F	4-28-Fx4-20-F-SS	4-28-Fx4-20-F-316SS	4-28-Fx4-20-F-AL	4-28-Fx4-20-F-NP	15/32	5/16
1/4-28	10-32	4-28-Fx10-32-F	4-28-Fx10-32-F-SS	4-28-Fx10-32-F-316SS	4-28-Fx10-32-F-AL	4-28-Fx10-32-F-NP	15/32	5/16
1/4-28	8-32	4-28-Fx8-32-F	4-28-Fx8-32-F-SS	4-28-Fx8-32-F-316SS	4-28-Fx8-32-F-AL	4-28-Fx8-32-F-NP	15/32	5/16
1/4-20	10-32	4-20-Fx10-32-F	4-20-Fx10-32-F-SS	4-20-Fx10-32-F-316SS	4-20-Fx10-32-F-AL	4-20-Fx10-32-F-NP	15/32	5/16
1/4-20	8-32	4-20-Fx8-32-F	4-20-Fx8-32-F-SS	4-20-Fx8-32-F-316SS	4-20-Fx8-32-F-AL	4-20-Fx8-32-F-NP	15/32	5/16
10-32	8-32	10-32-Fx8-32-F	10-32-Fx8-32-F-SS	10-32-Fx8-32-F-316SS	10-32-Fx8-32-F-AL	10-32-Fx8-32-F-NP	11/32	1/4



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

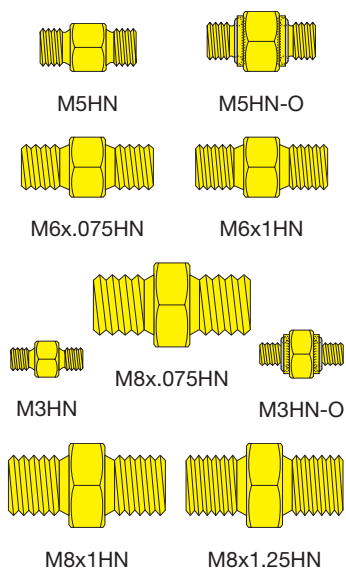
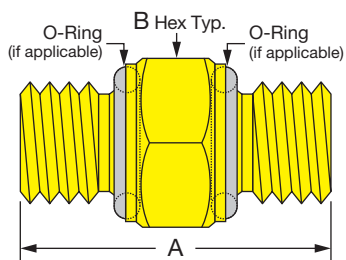
Larger Female to Female Hex Cap Adapters listed on previous page!
Other thread sizes available! Consult factory for lead times & specifications!





Metric Hex Nipples

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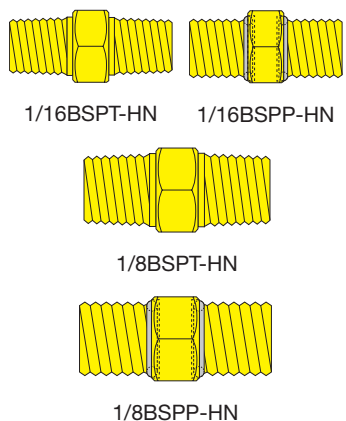
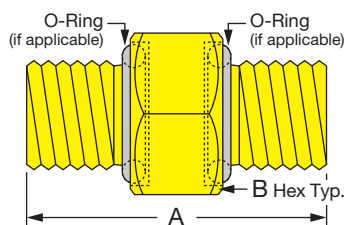
Thread Size and Type Seal	Part Numbers					Dimensions (Reference)	
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.
M3 Fibre Gasket	M3HN	M3HN-SS	M3HN-316SS	M3HN-AL	M3HN-NP	Consult Factory	Consult Factory
M3 O-Ring	M3HN-O	M3HN-SS-O	M3HN-316SS-O	M3HN-AL-O	M3HN-NP-O	Consult Factory	Consult Factory
M5 Fibre Gasket	M5HN	M5HN-SS	M5HN-316SS	M5HN-AL	M5HN-NP	1/2	1/4
M5 O-Ring	M5HN-O	M5HN-SS-O	M5HN-316SS-O	M5HN-AL-O	M5HN-NP-O	Consult Factory	Consult Factory
M6x.75 Fibre Gasket	M6x.75HN	M6x.75HN-SS	M6x.75HN-316SS	M6x.75HN-AL	M6x.75HN-NP	Consult Factory	Consult Factory
M6x.75 O-Ring	M6x.75HN-O	M6x.75HN-SS-O	M6x.75HN-316SS-O	M6x.75HN-AL-O	M6x.75HN-NP-O	Consult Factory	Consult Factory
M6x1 Fibre Gasket	M6x1HN	M6x1HN-SS	M6x1HN-316SS	M6x1HN-AL	M6x1HN-NP	Consult Factory	Consult Factory
M8x1 O-Ring	M6x1HN-O	M6x1HN-SS-O	M6x1HN-316SS-O	M6x1HN-AL-O	M6x1HN-NP-O	Consult Factory	Consult Factory
M6x1 Fibre Gasket	M6x1HN	M6x1HN-SS	M6x1HN-316SS	M6x1HN-AL	M6x1HN-NP	Consult Factory	Consult Factory
M8x1 O-Ring	M8x1HN-O	M8x1HN-SS-O	M8x1HN-316SS-O	M8x1HN-AL-O	M8x1HN-NP-O	Consult Factory	Consult Factory
M8x1.25 Fibre Gasket	M8x1.25HN	M8x1.25HN-SS	M8x1.25HN-316SS	M8x1.25HN-AL	M8x1.25HN-NP	Consult Factory	Consult Factory
M8x1.25 O-Ring	M8x1.25HN-O	M8x1.25HN-SS-O	M8x1.25HN-316SS-O	M8x1.25HN-AL-O	M8x1.25HN-NP-O	Consult Factory	Consult Factory
M10x1 Fibre Gasket	M10x1HN	M10x1HN-SS	M10x1HN-316SS	M10x1HN-AL	M10x1HN-NP	Consult Factory	Consult Factory
M10x1 O-Ring	M10x1HN-O	M10x1HN-SS-O	M10x1HN-316SS-O	M10x1HN-AL-O	M10x1HN-NP-O	Consult Factory	Consult Factory

M4 & M7 threads also available!

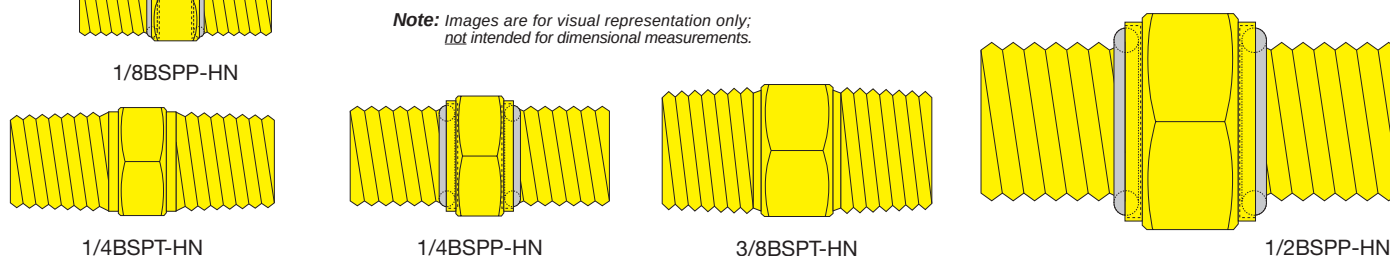
Anodized Aluminum available - see next page!

BSPT & BSPP Hex Nipples

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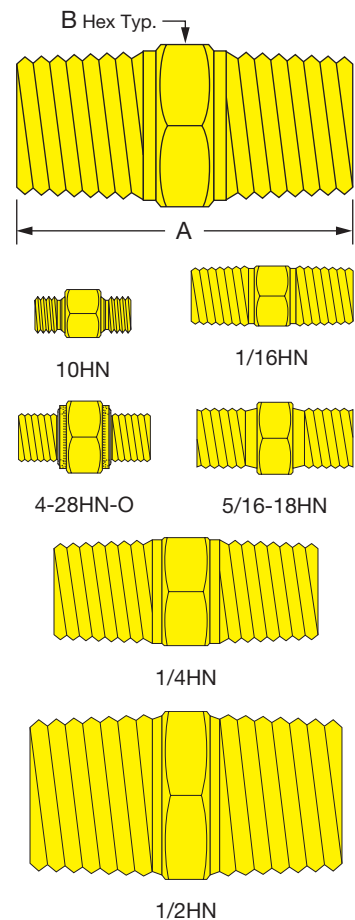
Thread Size and Type Seal	Part Numbers					Dimensions (Reference)	
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.
1/16 BPST No Seal	1/16BSPT-HN	1/16BSPT-HN-SS	1/16BSPT-HN-316SS	1/16BSPT-HN-AL	1/16BSPT-HN-NP	Consult Factory	Consult Factory
1/16 BSPP O-Ring	1/16BSPP-HN-O	1/16BSPP-HN-SS-O	1/16BSPP-HN-316SS-O	1/16BSPP-HN-AL-O	1/16BSPP-HN-NP-O	Consult Factory	Consult Factory
1/8 BPST No Seal	1/8BSPT-HN	1/8BSPT-HN-SS	1/8BSPT-HN-316SS	1/8BSPT-HN-AL	1/8BSPT-HN-NP	31/32	7/16
1/8 BSPP O-Ring	1/8BSPP-HN-O	1/8BSPP-HN-SS-O	1/8BSPP-HN-316SS-O	1/8BSPP-HN-AL-O	1/8BSPP-HN-NP-O	Consult Factory	Consult Factory
1/4 BPST No Seal	1/4BSPT-HN	1/4BSPT-HN-SS	1/4BSPT-HN-316SS	1/4BSPT-HN-AL	1/4BSPT-HN-NP	1 3/8	9/16
1/4 BSPP O-Ring	1/4BSPP-HN-O	1/4BSPP-HN-SS-O	1/4BSPP-HN-316SS-O	1/4BSPP-HN-AL-O	1/4BSPP-HN-NP-O	Consult Factory	Consult Factory
3/8 BPST No Seal	3/8BSPT-HN	3/8BSPT-HN-SS	3/8BSPT-HN-316SS	3/8BSPT-HN-AL	3/8BSPT-HN-NP	Consult Factory	Consult Factory
3/8 BSPP O-Ring	3/8BSPP-HN-O	3/8BSPP-HN-SS-O	3/8BSPP-HN-316SS-O	3/8BSPP-HN-AL-O	3/8BSPP-HN-NP-O	Consult Factory	Consult Factory
1/2 BPST No Seal	1/2BSPT-HN	1/2BSPT-HN-SS	1/2BSPT-HN-316SS	1/2BSPT-HN-AL	1/2BSPT-HN-NP	Consult Factory	Consult Factory
1/2 BSPP O-Ring	1/2BSPP-HN-O	1/2BSPP-HN-SS-O	1/2BSPP-HN-316SS-O	1/2BSPP-HN-AL-O	1/2BSPP-HN-NP-O	Consult Factory	Consult Factory

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

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Standard Hex Nipples

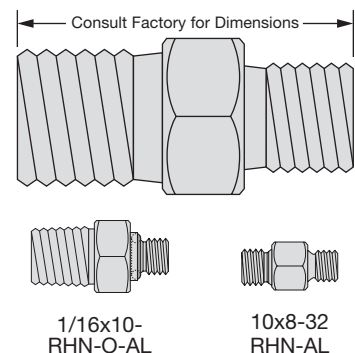
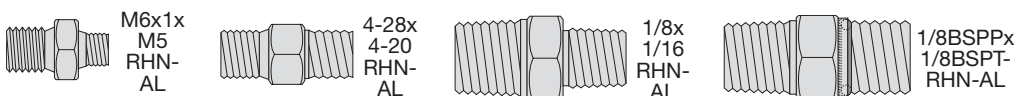
Thread Size and Type Seal	Part Numbers					Dimensions (Reference)	
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.
8-32 Fibre Gasket	8-32HN	8-32HN-SS	8-32HN-316SS	8-32HN-AL	8-32HN-NP	1/2	1/4
8-32 O-Ring	8-32HN-O	8-32HN-SS-O	8-32HN-316SS-O	8-32HN-AL-O	8-32HN-NP-O	Consult Factory	
10-32 Fibre Gasket	10HN	10HN-SS	10HN-316SS	10HN-AL	10HN-NP	1/2	1/4
10-32 O-Ring	10HN-O	10HN-SS-O	10HN-316SS-O	10HN-AL-O	10HN-NP-O	Consult Factory	
1/4-20 Fibre Gasket	4-20HN	4-20HN-SS	4-20HN-316SS	4-20HN-AL	4-20HN-NP	Consult Factory	
1/4-20 O-Ring	4-20HN-O	4-20HN-SS-O	4-20HN-316SS-O	4-20HN-AL-O	4-20HN-NP-O	Consult Factory	
1/4-28 Fibre Gasket	4-28HN	4-28HN-SS	4-28HN-316SS	4-28HN-AL	4-28HN-NP	Consult Factory	
1/4-28 O-Ring	4-28HN-O	4-28HN-SS-O	4-28HN-316SS-O	4-28HN-AL-O	4-28HN-NP-O	Consult Factory	
1/16 NPT No Seal	1/16HN	1/16HN-SS	1/16HN-316SS	1/16HN-AL	1/16HN-NP	Consult Factory	
1/8 NPT No Seal	1/8HN	1/8HN-SS	1/8HN-316SS	1/8HN-AL	1/8HN-NP	3/32	7/16
1/4 NPT No Seal	1/4HN	1/4HN-SS	1/4HN-316SS	1/4HN-AL	1/4HN-NP	1 3/8	9/16
5/16-18 No Seal	5/16-18HN	5/16-18HN-SS	5/16-18HN-316SS	5/16-18HN-AL	5/16-18HN-NP	Consult Factory	
5/16-18 O-Ring	5/16-18HN-O	5/16-18HN-SS-O	5/16-18HN-316SS-O	5/16-18HN-AL-O	5/16-18HN-NP-O	Consult Factory	
5/16-24 No Seal	5/16-24HN	5/16-24HN-SS	5/16-24HN-316SS	5/16-24HN-AL	5/16-24HN-NP	Consult Factory	
5/16-24 O-Ring	5/16-24HN-O	5/16-24HN-SS-O	5/16-24HN-316SS-O	5/16-24HN-AL-O	5/16-24HN-NP-O	Consult Factory	
3/8-24 No Seal	3/8-24HN	3/8-24HN-SS	3/8-24HN-316SS	3/8-24HN-AL	3/8-24HN-NP	Consult Factory	
3/8 NPT No Seal	3/8HN	3/8HN-SS	3/8HN-316SS	3/8HN-AL	3/8HN-NP	Consult Factory	
1/2 NPT No Seal	1/2HN	1/2HN-SS	1/2HN-316SS	1/2HN-AL	1/2HN-NP	Consult Factory	



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Reducing Hex Nipples

Standard Thread Sizes		Metric Thread Sizes		BSPT & BSPP Thread Sizes	
8-32	5/16-24	M3	M8x.75	1/16 BSPT	1/16 BSPP
10-32	1/8 NPT	M5	M8x1	1/8 BSPT	1/8 BSPP
1/4-20	1/4 NPT	M6x.75	M8x1.25	1/4 BSPT	1/4 BSPP
1/4-28	3/8-24	M6x1	M10x1	3/8 BSPT	3/8 BSPP
1/16 NPT	3/8 NPT	M4 & M7 Metric Thread Options also Available! Consult Factory for Details!		1/2 BSPT	1/2 BSPP
5/16-18	1/2 NPT			Larger Thread Options also Available!	



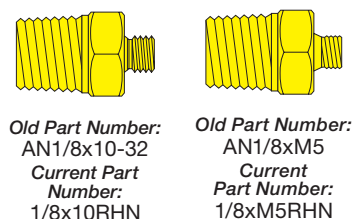
Part Numbers for Reducing Hex Nipples:



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)



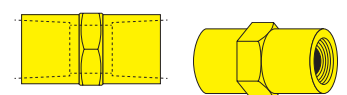
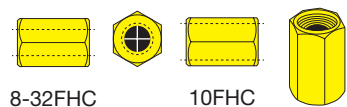
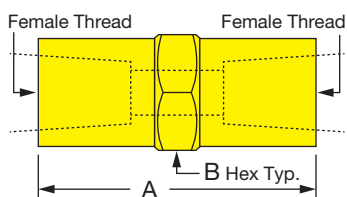
Aluminum Hex and Reducing Hex Nipples can be Nickel Plated or Anodized. Minimum quantities and lead times apply. To order, please add the following codes to the part number:

-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!

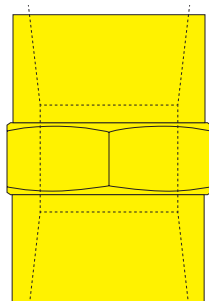


Standard Female Hex Couplings

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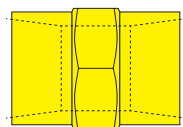


1/16FHC

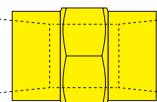


1/2FHC

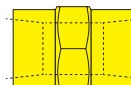
Thread Size	Part Numbers					Dimensions (Reference)	
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.
8-32	8-32FHC	8-32FHC-SS	8-32FHC-316SS	8-32FHC-AL	8-32FHC-NP	3/8	1/4
10-32	10FHC	10FHC-SS	10FHC-316SS	10FHC-AL	10FHC-NP	3/8	1/4
1/4-20	4-20FHC	4-20FHC-SS	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 1/16



1/4 FHC



1/8 FHC



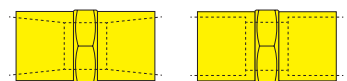
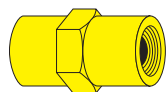
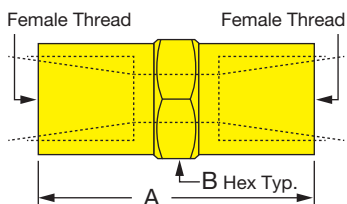
5/16-18 FHC



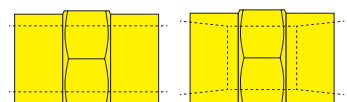
4-28 FHC

BSPT & BSPP Female Hex Couplings

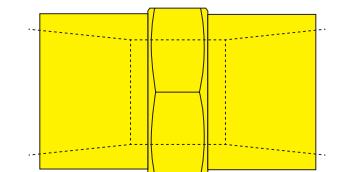
773



1/16BSPT-FHC 1/16BSPP-FHC

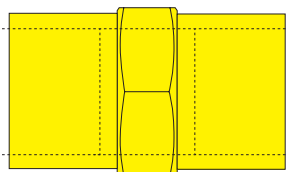


1/8BSPT-FHC 1/8BSPP-FHC

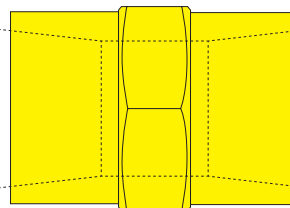


3/8BSPT-FHC

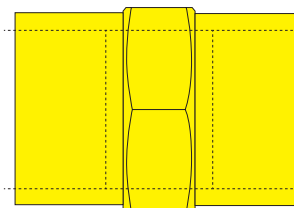
Thread Size	Part Numbers					Dimensions (Reference)	
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.
1/16 BSPT	1/16BSPT-FHC	1/16BSPT-FHC-SS	1/16BSPT-FHC-316SS	1/16BSPT-FHC-AL	1/16BSPT-FHC-NP	.723	3/8
1/16 BSPP	1/16BSPP-FHC	1/16BSPP-FHC-SS	1/16BSPP-FHC-316SS	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 1/16
1/2 BSPP	1/2BSPP-FHC	1/2BSPP-FHC-SS	1/2BSPP-FHC-316SS	1/2BSPP-FHC-AL	1/2BSPP-FHC-NP	1 1/2	1 1/16



3/8BSPP-FHC



1/2BSPT-FHC

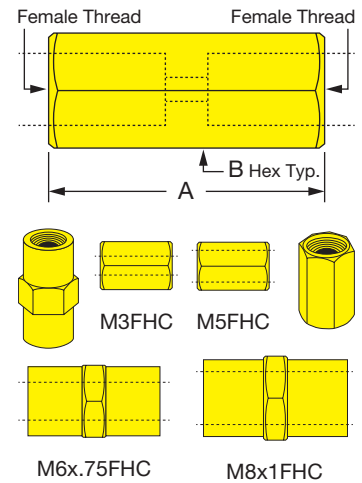


1/2BSPP-FHC

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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	M3FHC	M3FHC-SS	M3FHC-316SS	M3FHC-AL	M3FHC-NP	3/8	1/4
M5	M5FHC	M5FHC-SS	M5FHC-316SS	M5FHC-AL	M5FHC-NP	3/8	1/4
M6x.75	M6x.75FHC	M6x.75FHC-SS	M6x.75FHC-316SS	M6x.75FHC-AL	M6x.75FHC-NP	1 1/16	3/8
M6x1	M6x1FHC	M6x1FHC-SS	M6x1FHC-316SS	M6x1FHC-AL	M6x1FHC-NP	1 1/16	3/8
M8x.75	M8x.75FHC	M8x.75FHC-SS	M8x.75FHC-316SS	M8x.75FHC-AL	M8x.75FHC-NP	3/4	7/16
M8x1	M8x1FHC	M8x1FHC-SS	M8x1FHC-316SS	M8x1FHC-AL	M8x1FHC-NP	3/4	7/16
M8x1.25	M8x1.25FHC	M8x1.25FHC-SS	M8x1.25FHC-316SS	M8x1.25FHC-AL	M8x1.25FHC-NP	3/4	7/16
M10x1	M10x1FHC	M10x1FHC-SS	M10x1FHC-316SS	M10x1FHC-AL	M10x1FHC-NP	7/8	1/2



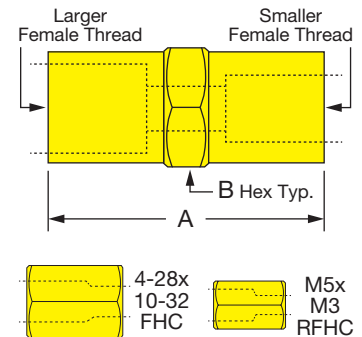
775

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

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



M4 & M7 Metric Thread Options also Available! Consult Factory for Details!

Larger Thread Options also Available!

Part Numbers for Reducing Female Hex Couplings:



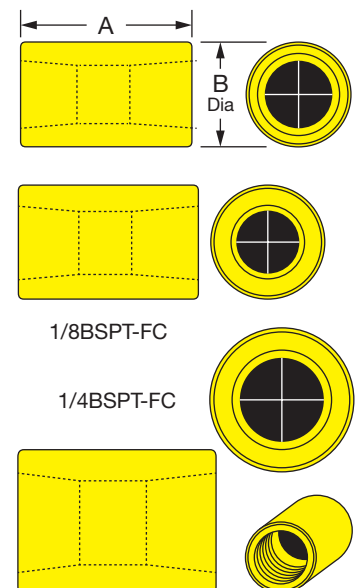
Unless otherwise specified, parts will be Brass. To order other materials, add the following codes to the part number:

-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

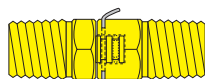
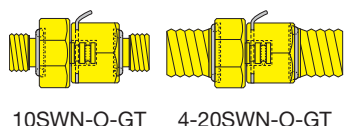
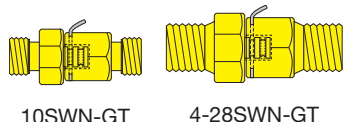
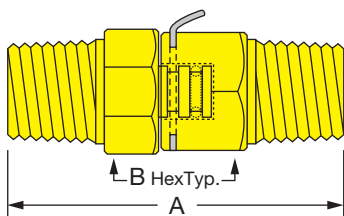


Other anodized color options also available! Minimum quantities & lead times apply! Consult factory for details!

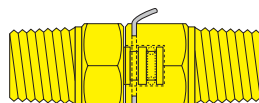


Standard Swivel Nipples

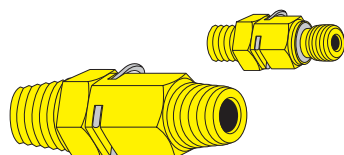
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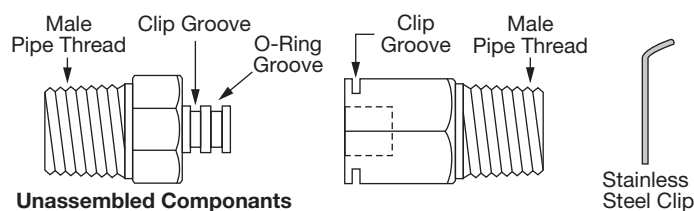
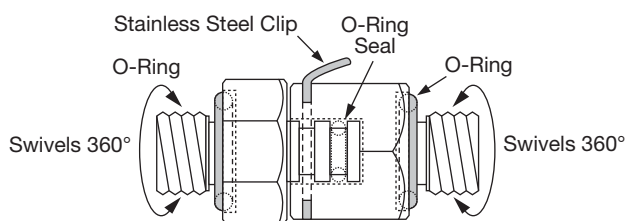
1/16SWN-GT



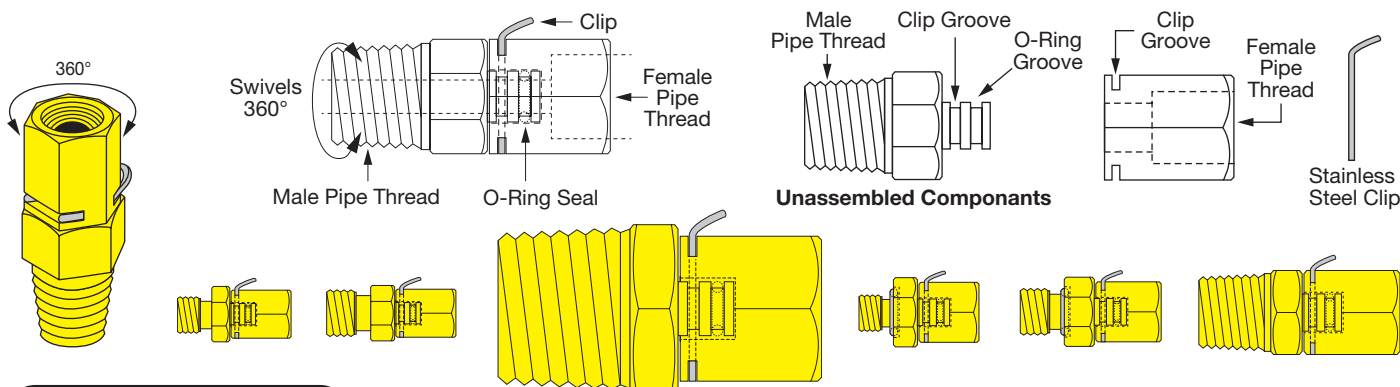
1/8SWN-GT



Thread Size and 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	8-32SWN-GT	8-32SWN-SS-GT	8-32SWN-316SS-GT	8-32SWN-AL-GT	8-32SWN-NP-GT	Consult Factory	Consult Factory
8-32 O-Ring	8-32SWN-O-GT	8-32SWN-SS-O-GT	8-32SWN-316SS-O-GT	8-32SWN-AL-O-GT	8-32SWN-NP-O-GT	Consult Factory	Consult Factory
10-32 Fibre Gasket	10SWN-GT	10SWN-SS-GT	10SWN-316SS-GT	10SWN-AL-GT	10SWN-NP-GT	Consult Factory	Consult Factory
10-32 O-Ring	10SWN-O-GT	10SWN-SS-O-GT	10SWN-316SS-O-GT	10SWN-AL-O-GT	10SWN-NP-O-GT	Consult Factory	Consult Factory
1/16 No Seal	1/16SWN-GT	1/16SWN-SS-GT	1/16SWN-316SS-GT	1/16SWN-AL-GT	1/16SWN-NP-GT	Consult Factory	Consult Factory
1/4-20 Fibre Gasket	4-20SWN-GT	4-20SWN-SS-GT	4-20SWN-316SS-GT	4-20SWN-AL-GT	4-20SWN-NP-GT	Consult Factory	Consult Factory
1/4-20 O-Ring	4-20SWN-O-GT	4-20SWN-SS-O-GT	4-20SWN-316SS-O-GT	4-20SWN-AL-O-GT	4-20SWN-NP-O-GT	Consult Factory	Consult Factory
1/4-28 Fibre Gasket	4-28SWN-GT	4-28SWN-SS-GT	4-28SWN-316SS-GT	4-28SWN-AL-GT	4-28SWN-NP-GT	Consult Factory	Consult Factory
1/4-28 O-Ring	4-28SWN-O-GT	4-28SWN-SS-O-GT	4-28SWN-316SS-O-GT	4-28SWN-AL-O-GT	4-28SWN-NP-O-GT	Consult Factory	Consult Factory
1/8 No Seal	1/8SWN-GT	1/8SWN-SS-GT	1/8SWN-316SS-GT	1/8SWN-AL-GT	1/8SWN-NP-GT	Consult Factory	Consult Factory
1/4 No Seal	1/4SWN-GT	1/4SWN-SS-GT	1/4SWN-316SS-GT	1/4SWN-AL-GT	1/4SWN-NP-GT	Consult Factory	Consult Factory
5/16-18 None	5/16-18SWN-GT	5/16-18SWN-SS-GT	5/16-18SWN-316SS-GT	5/16-18SWN-AL-GT	5/16-18SWN-NP-GT	Consult Factory	Consult Factory
5/16-18 O-Ring	5/16-18SWN-O-GT	5/16-18SWN-SS-O-GT	5/16-18SWN-316SS-O-GT	5/16-18SWN-AL-O-GT	5/16-18SWN-NP-O-GT	Consult Factory	Consult Factory
5/16-24 No Seal	5/16-24SWN-GT	5/16-24SWN-SS-GT	5/16-24SWN-316SS-GT	5/16-24SWN-AL-GT	5/16-24SWN-NP-GT	Consult Factory	Consult Factory
5/16-24 O-Ring	5/16-24SWN-O-GT	5/16-24SWN-SS-O-GT	5/16-24SWN-316SS-O-GT	5/16-24SWN-AL-O-GT	5/16-24SWN-NP-O-GT	Consult Factory	Consult Factory
3/8-24 No Seal	3/8-24SWN-GT	3/8-24SWN-SS-GT	3/8-24SWN-316SS-GT	3/8-24SWN-AL-GT	3/8-24SWN-NP-GT	Consult Factory	Consult Factory
3/8 No Seal	3/8SWN-GT	3/8SWN-SS-GT	3/8SWN-316SS-GT	3/8SWN-AL-GT	3/8SWN-NP-GT	Consult Factory	Consult Factory
1/2 No Seal	1/2SWN-GT	1/2SWN-SS-GT	1/2SWN-316SS-GT	1/2SWN-AL-GT	1/2SWN-NP-GT	Consult Factory	Consult Factory



Male to Female Swivel Nipples also Available. Consult Factory for Details!

Metric Options Available!
Consult Factory for Details!

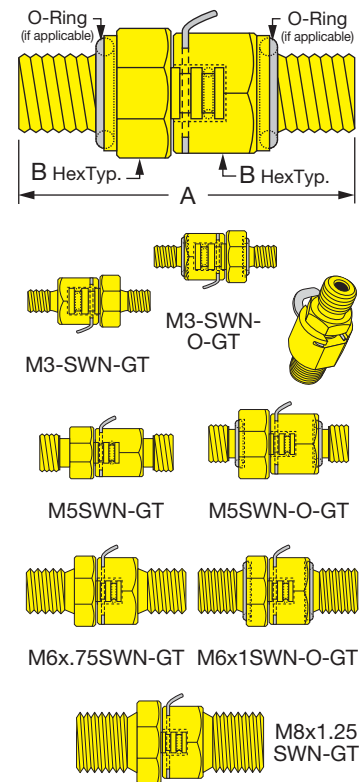
More information on Swivel Nipples and Reducing Swivel Nipples can be found throughout this catalog in the the male thread to pipe sections of this catalog.

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

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Metric Swivel Hex Nipples

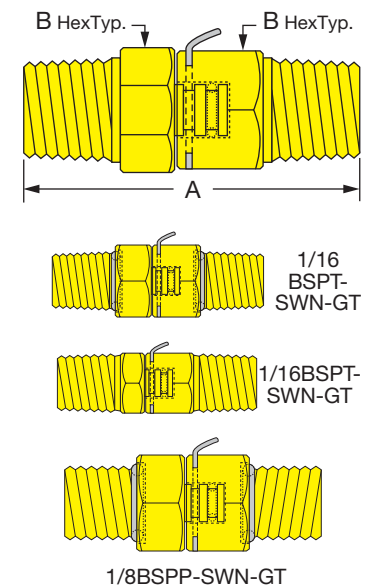
Thread Size and Type Seal	Part Numbers					Dimensions (Reference)	
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.
M3 Fibre Gasket	M3SWN-GT	M3SWN-SS-GT	M3SWN-316SS-GT	M3SWN-AL-GT	M3SWN-NP-GT	Consult Factory	Consult Factory
M3 O-Ring	M3SWN-O-GT	M3SWN-SS-O-GT	M3SWN-316SS-O-GT	M3SWN-AL-O-GT	M3SWN-NP-O-GT	Consult Factory	Consult Factory
M5 Fibre Gasket	M5SWN	M5SWN-SS-GT	M5SWN-316SS-GT	M5SWN-AL-GT	M5SWN-NP-GT	Consult Factory	Consult Factory
M5 O-Ring	M5SWN-O-GT	M5SWN-SS-O-GT	M5SWN-316SS-O-GT	M5SWN-AL-O-GT	M5SWN-NP-O-GT	Consult Factory	Consult Factory
M6x.75 Fibre Gasket	M6x.75SWN	M6x.75SWN-SS-GT	M6x.75SWN-316SS-GT	M6x.75SWN-AL-GT	M6x.75SWN-NP-GT	Consult Factory	Consult Factory
M6x.75 O-Ring	M6x.75SWN-O-GT	M6x.75SWN-SS-O-GT	M6x.75SWN-316SS-O-GT	M6x.75SWN-AL-O-GT	M6x.75SWN-NP-O-GT	Consult Factory	Consult Factory
M6x1 Fibre Gasket	M6x1SWN	M6x1SWN-SS-GT	M6x1SWN-316SS-GT	M6x1SWN-AL-GT	M6x1SWN-NP-GT	Consult Factory	Consult Factory
M8x1 O-Ring	M6x1SWN-O-GT	M6x1SWN-SS-O-GT	M6x1SWN-316SS-O-GT	M6x1SWN-AL-O-GT	M6x1SWN-NP-O-GT	Consult Factory	Consult Factory
M8x1 Fibre Gasket	M8x1SWN	M8x1SWN-SS-GT	M8x1SWN-316SS-GT	M8x1SWN-AL-GT	M8x1SWN-NP-GT	Consult Factory	Consult Factory
M8x1 O-Ring	M8x1SWN-O-GT	M8x1SWN-SS-O-GT	M8x1SWN-316SS-O-GT	M8x1SWN-AL-O-GT	M8x1SWN-NP-O-GT	Consult Factory	Consult Factory
M8x1.25 Fibre Gasket	M8x1.25SWN	M8x1.25SWN-SS-GT	M8x1.25SWN-316SS-GT	M8x1.25SWN-AL-GT	M8x1.25SWN-NP-GT	Consult Factory	Consult Factory
M8x1.25 O-Ring	M8x1.25SWN-O-GT	M8x1.25SWN-SS-O-GT	M8x1.25SWN-316SS-O-GT	M8x1.25SWN-AL-O-GT	M8x1.25SWN-NP-O-GT	Consult Factory	Consult Factory
M10x1 Fibre Gasket	M10x1SWN	M10x1SWN-SS-GT	M10x1SWN-316SS-GT	M10x1SWN-AL-GT	M10x1SWN-NP-GT	Consult Factory	Consult Factory
M10x1 O-Ring	M10x1SWN-O-GT	M10x1SWN-SS-O-GT	M10x1SWN-316SS-O-GT	M10x1SWN-AL-O-GT	M10x1SWN-NP-O-GT	Consult Factory	Consult Factory



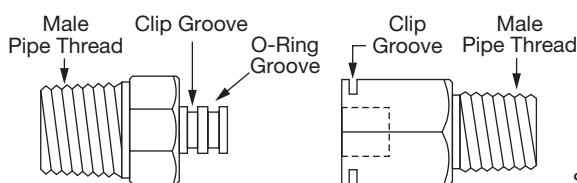
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BSPT & BSPP Swivel Hex Nipples

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-SS-GT	1/16BSPT-SWN-316SS-GT	1/16BSPT-SWN-AL-GT	1/16BSPT-SWN-NP-GT	Consult Factory	Consult Factory
1/16 BSPP	1/16BSPP-SWN-O-GT	1/16BSPP-SWN-SS-O-GT	1/16BSPP-SWN-316SS-O-GT	1/16BSPP-SWN-AL-O-GT	1/16BSPP-SWN-NP-O-GT	Consult Factory	Consult Factory
1/8 BSPT	1/8BSPT-SWN	1/8BSPT-SWN-SS-GT	1/8BSPT-SWN-316SS-GT	1/8BSPT-SWN-AL-GT	1/8BSPT-SWN-NP-GT	Consult Factory	Consult Factory
1/8 BSPP	1/8BSPP-SWN-O-GT	1/8BSPP-SWN-SS-O-GT	1/8BSPP-SWN-316SS-O-GT	1/8BSPP-SWN-AL-O-GT	1/8BSPP-SWN-NP-O-GT	Consult Factory	Consult Factory
1/4 BSPT	1/4BSPT-SWN	1/4BSPT-SWN-SS-GT	1/4BSPT-SWN-316SS-GT	1/4BSPT-SWN-AL-GT	1/4BSPT-SWN-NP-GT	Consult Factory	Consult Factory
1/4 BSPP	1/4BSPP-SWN-O-GT	1/4BSPP-SWN-SS-O-GT	1/4BSPP-SWN-316SS-O-GT	1/4BSPP-SWN-AL-O-GT	1/4BSPP-SWN-NP-O-GT	Consult Factory	Consult Factory
3/8 BSPT	3/8BSPT-SWN	3/8BSPT-SWN-SS-GT	3/8BSPT-SWN-316SS-GT	3/8BSPT-SWN-AL-GT	3/8BSPT-SWN-NP-GT	Consult Factory	Consult Factory
3/8 BSPP	3/8BSPP-SWN-O-GT	3/8BSPP-SWN-SS-O-GT	3/8BSPP-SWN-316SS-O-GT	3/8BSPP-SWN-AL-O-GT	3/8BSPP-SWN-NP-O-GT	Consult Factory	Consult Factory
1/2 BSPT	1/2BSPT-SWN	1/2BSPT-SWN-SS-GT	1/2BSPT-SWN-316SS-GT	1/2BSPT-SWN-AL-GT	1/2BSPT-SWN-NP-GT	Consult Factory	Consult Factory
1/2 BSPP	1/2BSPP-SWN-O-GT	1/2BSPP-SWN-SS-O-GT	1/2BSPP-SWN-316SS-O-GT	1/2BSPP-SWN-AL-O-GT	1/2BSPP-SWN-NP-O-GT	Consult Factory	Consult Factory

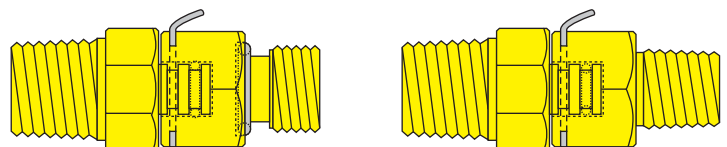


Reducing Swivel Nipples also Available. Consult Factory for Details!



Unassembled Components

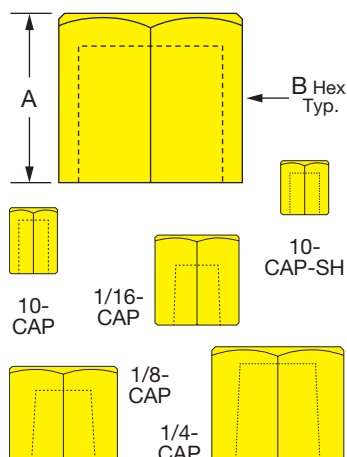
Stainless Steel Clip





Female Caps

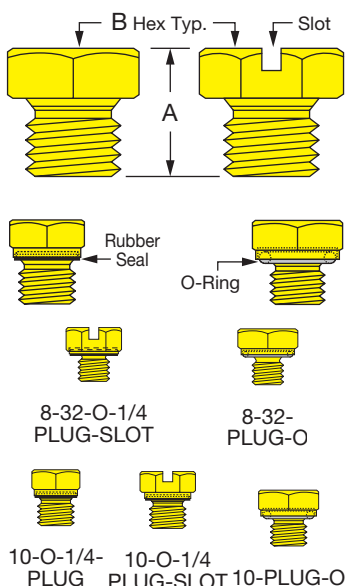
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Thread Size	Part Numbers					Dimensions (Reference)	
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.
10-32	10-CAP	10-CAP-SS	10-CAP-316SS	10-CAP-AL	10-CAP-NP	1 ¹ / ₃₂	1/4
10-32 Short	10-CAP-SH	10-CAP-SH-SS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

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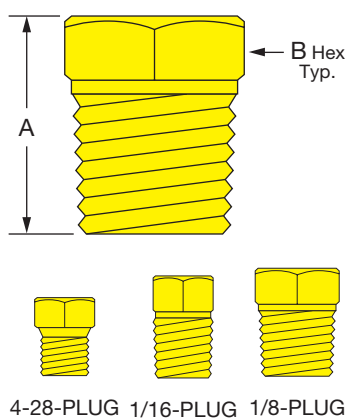


Thread Size and Type of Seal	Part Numbers				Dimensions (Reference)	
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.
8-32 Fibre Gasket	8-32-PLUG	8-32-PLUG-SS	8-32-PLUG-316SS	8-32-PLUG-NP	1/4	1/4
10-32 Fibre Gasket	10-PLUG	10-PLUG-SS	10-PLUG-316SS	10-PLUG-NP	1/4	1/4
10-32 COR	10-O-PLUG	10-O-PLUG-SS	10-O-PLUG-316SS	10-O-PLUG-NP	9/32	5/16
10-32 CRG	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 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
10-32 Slot Fibre Gasket	10-PLUG-SLOT	10-PLUG-SLOT-SS	10-PLUG-SLOT-316SS	10-PLUG-SLOT-NP	1/4	1/4
10-32 Slot COR	10-O-PLUG-SLOT	10-O-PLUG-SLOT-SS	10-O-PLUG-SLOT-316SS	10-O-PLUG-SLOT-NP	9/32	5/16
10-32 Slot CRG	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

COR = Captive O-Ring Seal • CRG = Captive Rubber Gasket

Male Threaded Plugs

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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 w/O-ring (COR)	4-28-PLUG-O	4-28-PLUG-O-SS	4-28-PLUG-O-316SS	4-28-PLUG-O-AL	4-28-PLUG-O-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	17/32	5/16
1/8 NPT	1/8-PLUG	1/8-PLUG-SS	1/8-PLUG-316SS	1/8-PLUG-AL	1/8-PLUG-NP	9/16	7/16
1/4 NPT	1/4-PLUG	1/4-PLUG-SS	1/4-PLUG-316SS	1/4-PLUG-AL	1/4-PLUG-NP	1/2	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	7/8	3/4

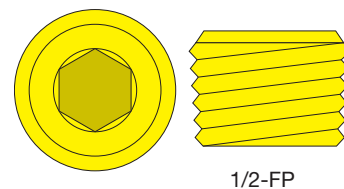
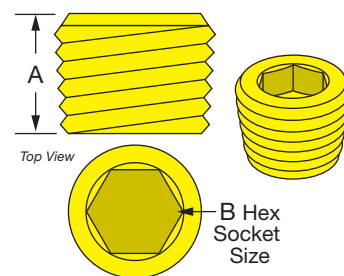
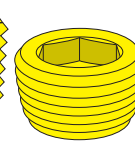
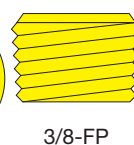
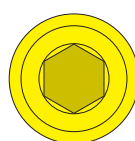
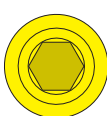
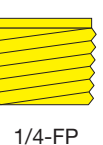
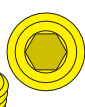
Custom Short Male Thread Plugs also available! Consult factory for details!

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

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NPT Thread Counter-Sunk Plugs (Flush Plugs)

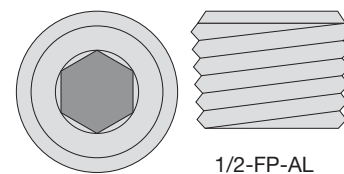
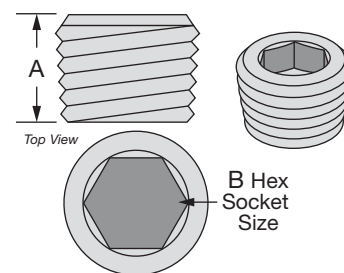
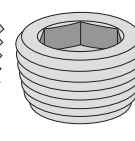
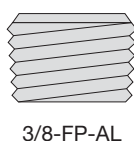
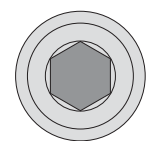
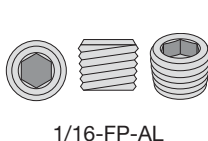
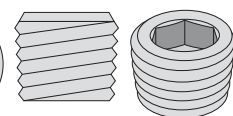
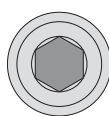
NPT Thread Size	Part Numbers		Dimensions (Reference)	
	Brass	Electroless Nickel Plate	A Ref.	B Typ.
1/8	1/8-FP	1/8-FP-NP	.300	3/16
1/4	1/4-FP	1/4-FP-NP	.450	1/4
3/8	3/8-FP	3/8-FP-NP	.450	5/16
1/2	1/2-FP	1/2-FP-NP	.600	3/8
3/4	3/4-FP	3/4-FP-NP	.620	9/16



784

Aluminum NPT Thread Counter-Sunk Plugs (Flush Plugs)

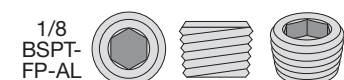
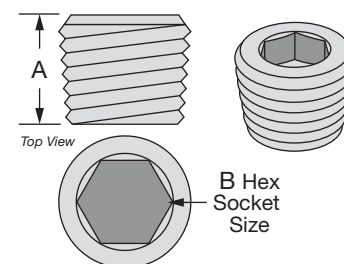
NPT Thread Size	Part Numbers				Dimensions (Reference)	
	Aluminum 2011-T3	Black Anodized Aluminum 2011-T3	Blue Anodized Aluminum 2011-T3	Red Anodized Aluminum 2011-T3	A Ref.	B Typ.
1/16	1/16-FP-AL	1/16-FP-AL-BLK	1/16-FP-AL-BL	1/16-FP-AL-R	.264	5/32
1/8	1/8-FP-AL	1/8-FP-AL-BLK	1/8-FP-AL-BL	1/8-FP-AL-R	.290	3/16
1/4	1/4-FP-AL	1/4-FP-AL-BLK	1/4-FP-AL-BL	1/4-FP-AL-R	.460	1/4
3/8	3/8-FP-AL	3/8-FP-AL-BLK	3/8-FP-AL-BL	3/8-FP-AL-R	.460	5/16
1/2	1/2-FP-AL	1/2-FP-AL-BLK	1/2-FP-AL-BL	1/2-FP-AL-R	.610	3/8
3/4	3/4-FP-AL	3/4-FP-AL-BLK	3/4-FP-AL-BL	3/4-FP-AL-R	.620	9/16
1	1-FP-AL	1-FP-AL-BLK	1-FP-AL-BL	1-FP-AL-R	.770	5/8
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



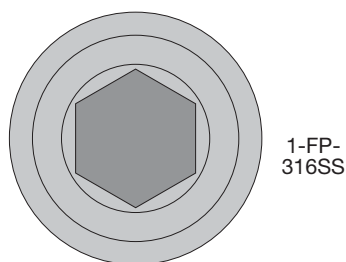
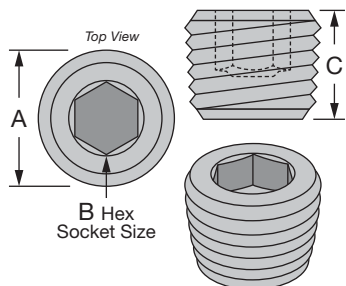
785

Aluminum BSPT Thread Counter-Sunk Plugs (Flush Plugs)

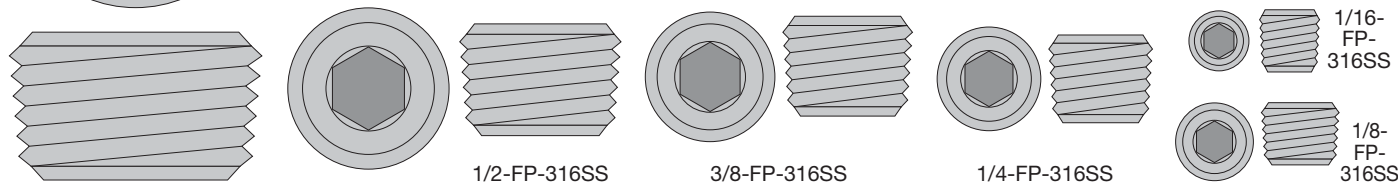
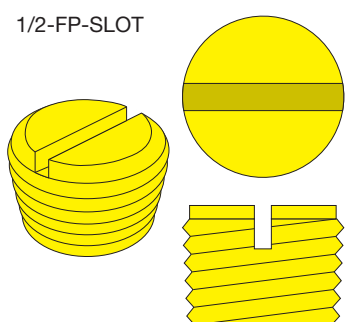
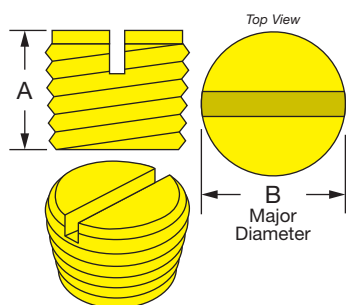
BSPT Thread Size	Part Numbers				Dimensions (Reference)	
	Aluminum 2011-T3	Black Anodized Aluminum 2011-T3	Blue Anodized Aluminum 2011-T3	Red Anodized Aluminum 2011-T3	A Ref.	B Typ.
1/8	1/8BSPT-FP-AL	1/8BSPT-FP-AL-BLK	1/8BSPT-FP-AL-BL	1/8BSPT-FP-AL-R	.290	3/16
1/4	1/4BSPT-FP-AL	1/4BSPT-FP-AL-BLK	1/4BSPT-FP-AL-BL	1/4BSPT-FP-AL-R	.460	1/4
3/8	3/8BSPT-FP-AL	3/8BSPT-FP-AL-BLK	3/8BSPT-FP-AL-BL	3/8BSPT-FP-AL-R	.460	5/16
1/2	1/2BSPT-FP-AL	1/2BSPT-FP-AL-BLK	1/2BSPT-FP-AL-BL	1/2BSPT-FP-AL-R	.610	3/8



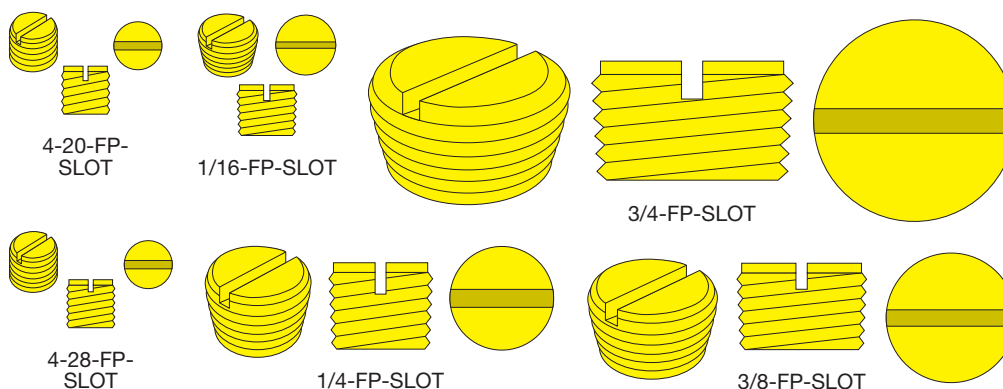
Aluminum NPT & BSPT Plugs can be also Nickel Plated, Clear Coat Anodized, or Hard Coat Anodized! Other anodized color options also available! Minimum quantities & lead times apply!

**Stainless Steel NPT Thread Dry Seal Hex Socket Pressure Plugs/Flush Plugs****786**

NPT Thread Size	Part Numbers		Dimensions (Reference)			
	Stainless Steel 316		A	B	C Ref	
			Maj. Dia.	Typ.	Max.	Min.
1/16	1/16-FP-316SS		.312	5/32	.324	.300
1/8	1/8-FP-316SS		.405	3/16	.324	.300
1/4	1/4-FP-316SS		.540	1/4	.457	.417
3/8	3/8-FP-316SS		.675	5/16	.520	.480
1/2	1/2-FP-316SS		.840	3/8	.582	.542
3/4	3/4-FP-316SS		1.050	9/16	.645	.605
1	1-FP-316SS		1.315	5/8	.770	.730
1 1/4	1 1/4-FP-316SS		1.660	3/4	.832	.792
1 1/2	1 1/2-FP-316SS		1.900	1	.843	.780
2	2-FP-316SS		2.375	1	.906	.844

**Slotted Flush Plugs****787**

Thread Size	Part Numbers					Dimensions (Reference)	
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 2011-T3	Electroless Nickel Plate	A Ref.	B Maj. Dia.
1/4-20	4-20-FP-SLOT	4-20-FP-SLOT-SS	4-20-FP-SLOT-316SS	4-20-FP-SLOT-AL	4-20-FP-SLOT-NP	Consult Factory	.250
1/4-28	4-28-FP-SLOT	4-28-FP-SLOT-SS	4-28-FP-SLOT-316SS	4-28-FP-SLOT-AL	4-28-FP-SLOT-NP		.250
1/16 NPT	1/16-FP-SLOT	1/16-FP-SLOT-SS	1/16-FP-SLOT-316SS	1/16-FP-SLOT-AL	1/16-FP-SLOT-NP		.312
1/8 NPT	1/8-FP-SLOT	1/8-FP-SLOT-SS	1/8-FP-SLOT-316SS	1/8-FP-SLOT-AL	1/8-FP-SLOT-NP		.300
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

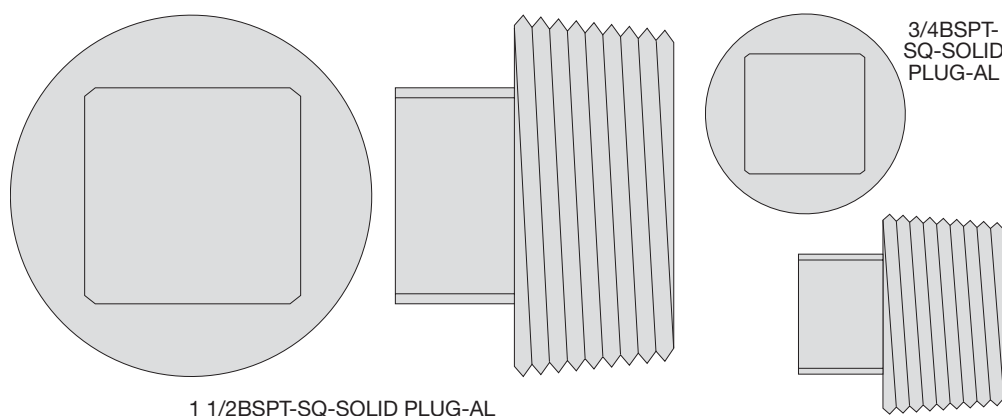
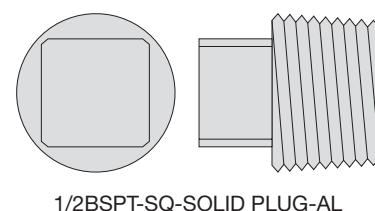
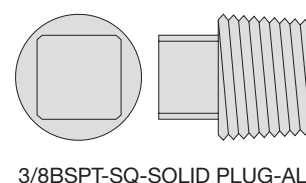
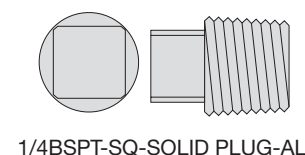
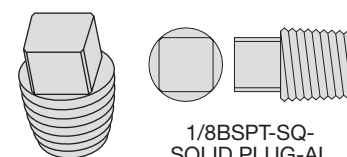
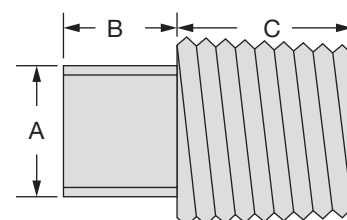


Note: Images are for visual representation only. Dimensions may vary at time of manufacturing. Consult factory for details!

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-Solid Plug-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-Solid Plug-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	.048
1/2	1/2BSPT-SQ-Solid Plug-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	.056
3/4	3/4BSPT-SQ-Solid Plug-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-Solid Plug-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-Solid Plug-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	.062	.830
2	2BSPT-SQ-Solid Plug-AL	2BSPT-SQ-Solid Plug-AL-BLK	2BSPT-SQ-Solid Plug-AL-BL	2BSPT-SQ-Solid Plug-AL-R	1 5/16	.680	.880



External Square Head Solid Plugs can also be Nickel Plated, Clear Coat Anodized, or Hard Coat Anodized! Other anodized color options also available! Minimum quantities & lead times apply!

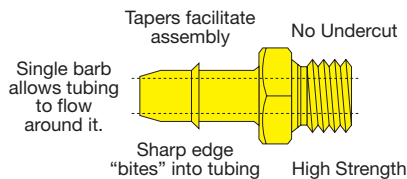
NOTE: Orifice Options are NOT available on Exterior Square Head Solid Plugs!

Orifice Options are available for Female Caps and Male Threaded Plugs & Flush Plugs! Orifice diameters available in increasing increments of .001". See pages 441-443! Consult factory for details!

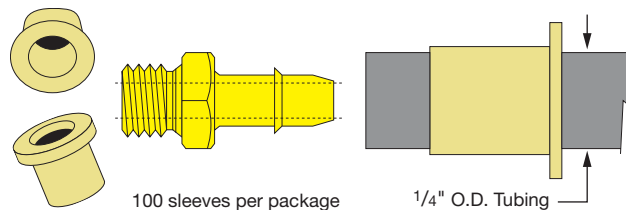
.045" Orifice	.050" Orifice	.025" Orifice	.065" Orifice	.037" Orifice	.042" Orifice	.020" Orifice
4-28CAP-OR-.045	10-PLUG-OR-.050"	1/8-PLUG-OR-.025	1/4-FP-AL-OR.065	3/8-FP-OR.037	1/8-FP-316SS-OR.042	1/16-FP-SLOT-OR.030

Other Caps & Plug Sizes Available. Lead Times & Minimum Quantities May Apply. Consult Factory for Details! Examples of Thread Sizes:

2-56	M4	M6x.75	M8x.75	1/16 BSPT	1/2 BSPT	1/16 BSPP	1/2 BSPP
M2	M5	M6x1	M8x1	1/8 BSPT	3/4 BSPT	1/8 BSPP	3/4 BSPP
M3		M7	M8x1.25	1/4 BSPT	1 BSPT	1/4 BSPP	1 BSPP
				3/8 BSPT		3/8 BSPP	

**F Series Barbed Fittings**

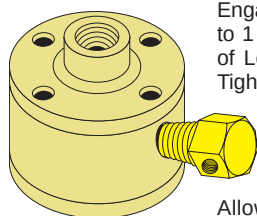
Mem-Co's unique single barb design provides superior resistance to "Tubing Pull-Off." Additionally, the treated fittings are produced without any undercut at the thread base. This results in a fitting with superior strength. The fittings can be locked firmly into place using a thread sealant and can be removed, if necessary, without heating or breakage.

Flanged Locking Sleeves

Sleeves quickly and firmly lock 1/4" O.D. tubing to barbed fittings. Eliminates maintenance problems caused by tubing stretch and enlargement. To install, place sleeve over tubes as shown above. Install hose over fitting as usual. Slide sleeve over hose until it covers barbed area of fitting.

Thread Sealant - No Gasket Assembly

Any "L", "T", or "X" fitting can be aimed in the needed direction, rather than changing a broken gasket from over-tightening or leakage from under-tightening.



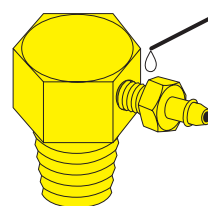
Engage the fitting 1/2 to 1 turn. Apply a drop of Loctite® at junction. Tighten fully by hand then back off (1 full turn max.) if needed for desired position. Allow Loctite® to cure.

Recommended Loctite® anaerobic sealants

Number	Color	Approximate Cure Time
RC/609	Green	1 - 6 hours
209 (wicking)	Green	1 - 2 hours

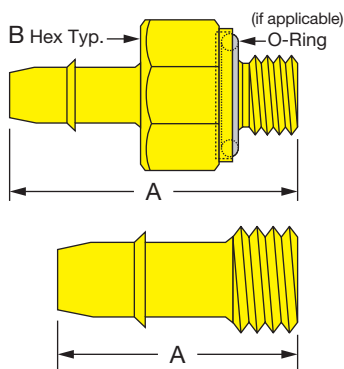
Note: It is recommended that Loctite® Primer be used on the male thread before installing. This shortens handling and cure time. Low temperature heat, such as sunshine or heat from a light bulb, can also be used to speed curing.

Use a wire or similar object to apply a drop of Loctite®.



Engage the barbed fitting 1/2 to 1 turn. Apply a drop of Loctite® at junction. Finish treading the fitting into the hole. Allow the Loctite® to cure.

Loctite® is a registered trademark of Loctite Corp.

#1, #3, and #4 Barbed Fittings**789**

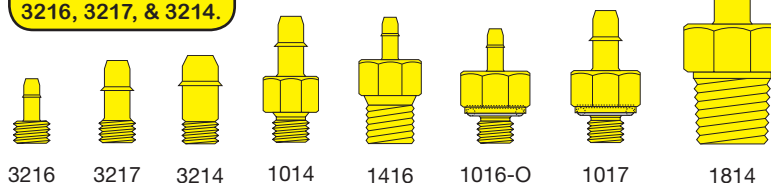
Barb #	Tube ID	Thread Size and Type Seal	Part Numbers					Dimensions (Reference)	
			Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.
1	1/16	10-32 O-Ring	1016-O	1016-SS-O	1016-316SS-O	1016-AL-O	1016-NP-O	9/16	5/16
1	1/16	1/4-28 No Gasket	1416	1416-SS	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!

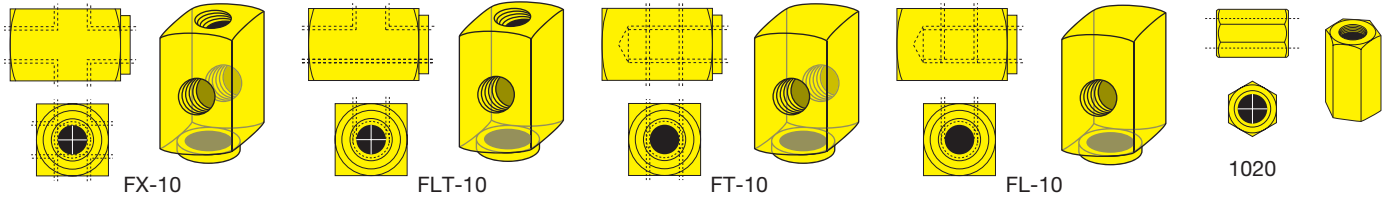
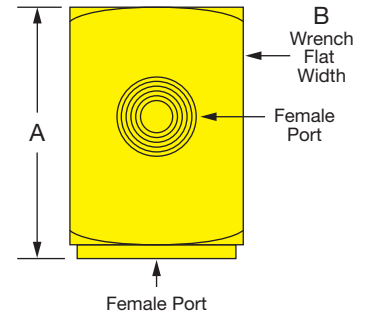


Other barb sizes and fitting options available! Consult factory for details!

790

10-32 Female to Female Thread Fittings

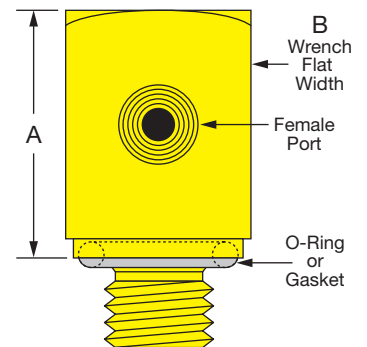
Type of Fitting	Part Numbers					Dimensions (Reference)	
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Ref.
Hex Coupling	1020	1020-SS	1020-316SS	1020-AL	1020-NP	$\frac{3}{8}$	$\frac{1}{4}$
Square Elbow	FL-10	FL-10-SS	FL-10-316SS	FL-10-AL	FL-10-NP	$\frac{5}{8}$	$\frac{3}{8}$
Square L-Tee	FLT-10	FLT-10-SS	FLT-10-316SS	FLT-10-AL	FLT-10-NP	$\frac{5}{8}$	$\frac{3}{8}$
Square Tee	FT-10	FT-10-SS	FT-10-316SS	FT-10-AL	FT-10-NP	$\frac{5}{8}$	$\frac{3}{8}$
Square Cross	FX-10	FX-10-SS	FX-10-316SS	FX-10-AL	FX-10-NP	$\frac{5}{8}$	$\frac{3}{8}$



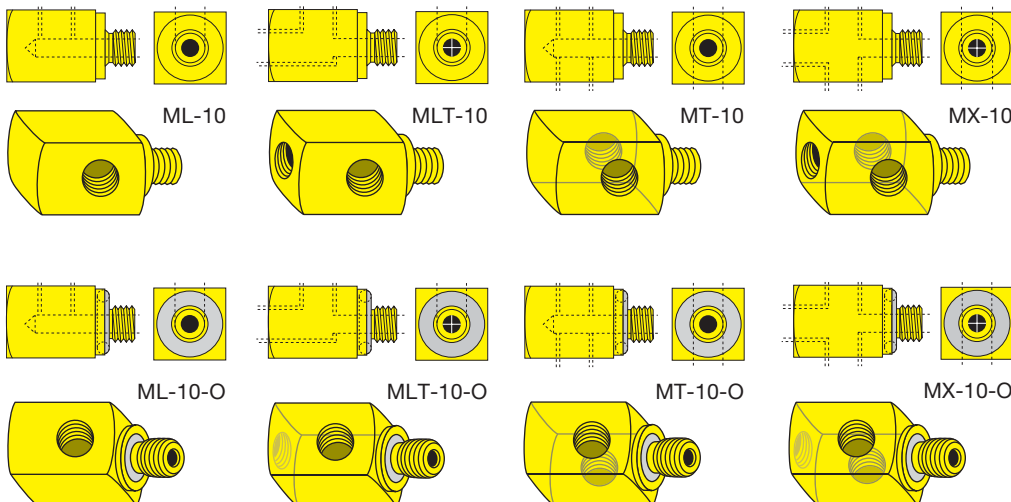
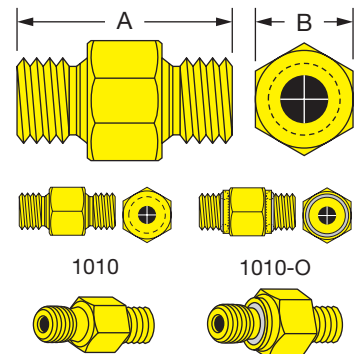
791

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	$\frac{1}{2}$	$\frac{1}{4}$
Hex Nipple w/ O-Ring	1010-O	1010-O-SS	1010-O-316SS	1010-O-AL	1010-O-NP	$\frac{3}{8}$	$\frac{1}{4}$
Square Elbow w/ G-10 Gasket	ML-10	ML-10-SS	ML-10-316SS	ML-10-AL	ML-10-NP	$\frac{1}{2}$	$\frac{3}{8}$
Square Elbow w/ O-Ring	ML-10-O	ML-10-O-SS	ML-10-O-316SS	ML-10-O-AL	ML-10-O-NP	$\frac{1}{2}$	$\frac{3}{8}$
Square L Tee w/ G-10 Gasket	MLT-10	MLT-10-SS	MLT-10-316SS	MLT-10-AL	MLT-10-NP	$\frac{1}{2}$	$\frac{3}{8}$
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	$\frac{1}{2}$	$\frac{3}{8}$
Square Tee w/ G-10 Gasket	MT-10	MT-10-SS	MT-10-316SS	MT-10-AL	MT-10-NP	$\frac{1}{2}$	$\frac{3}{8}$
Square Tee w/ O-Ring	MT-10-O	MT-10-O-SS	MT-10-O-316SS	MT-10-O-AL	MT-10-O-NP	$\frac{1}{2}$	$\frac{3}{8}$
Square Cross w/ G-10 Gasket	MX-10	MX-10-SS	MX-10-316SS	MX-10-AL	MX-10-NP	$\frac{1}{2}$	$\frac{3}{8}$
Square Cross w/ O-Ring	MX-10-O	MX-10-O-SS	MX-10-O-316SS	MX-10-O-AL	MX-10-O-NP	$\frac{1}{2}$	$\frac{3}{8}$

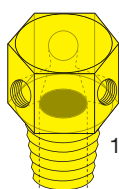
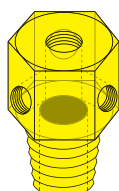
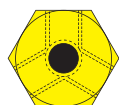
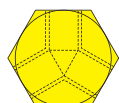
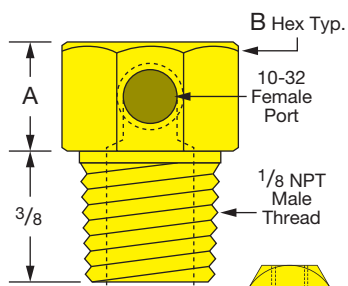


Male to Male Hex Nipple

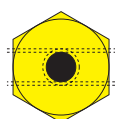


Short body options also available!
Consult factory for details!

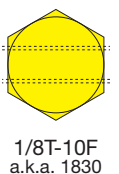
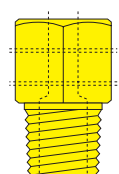
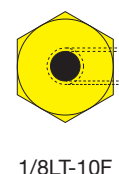
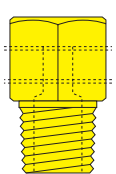
F Series 10-32 Male Threaded Fittings are supplied with G-10 gaskets or have Buna-N O-rings installed. Other material options are listed on page 65.

**1/8 NPT Male Thread to 10-32 Female Fittings****792**1/8Y-10F
a.k.a. 18401/8Y-10Fx4
a.k.a. 1850

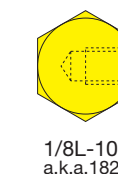
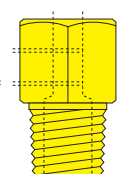
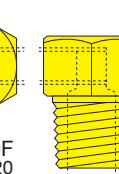
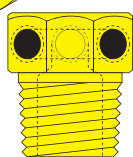
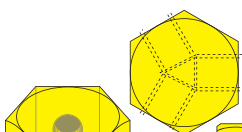
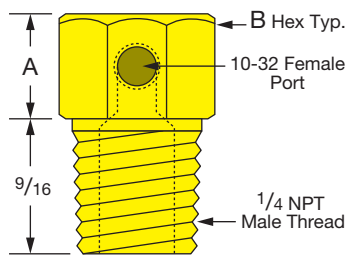
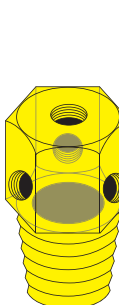
Female Port Location	Part Numbers					Dimensions (Reference)	
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.
Elbow a.k.a. 1820	1/8L-10F	1/8L-10F-SS	1/8L-10F-316SS	1/8L-10F-AL	1/8L-10F-NP	5/16	7/16
L-Tee	1/8LT-10F	1/8LT-10F-SS	1/8LT-10F-316SS	1/8LT-10F-AL	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



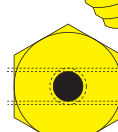
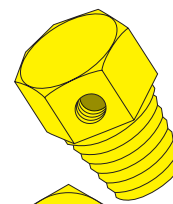
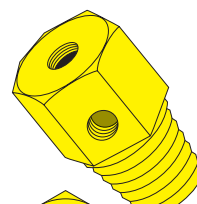
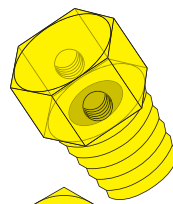
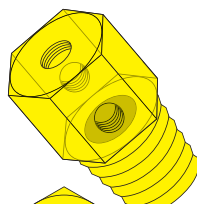
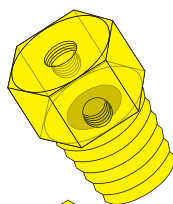
1/8T-10Fx3

1/8T-10F
a.k.a. 1830

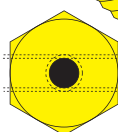
1/8LT-10F

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

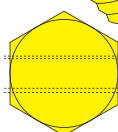
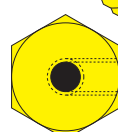
Female Port Location	Part Numbers					Dimensions (Reference)	
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.
Elbow a.k.a. 1420	1/4L-10F	1/4L-10F-SS	1/4L-10F-316SS	1/4L-10F-AL	1/4L-10F-NP	5/16	9/16
L-Tee	1/4LT-10F	1/4LT-10F-SS	1/4LT-10F-316SS	1/4LT-10F-AL	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



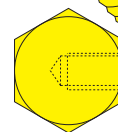
1/4T-10Fx3-LP



1/4T-10Fx3

1/4T-10F
a.k.a. 1430

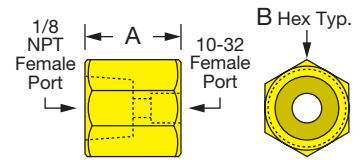
1/4LT-10F

1/4L-10F
a.k.a. 1420

794

Female to Female Thread Reducing Fitting

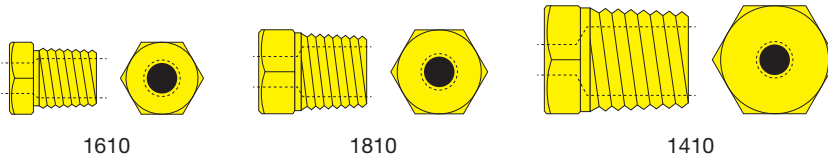
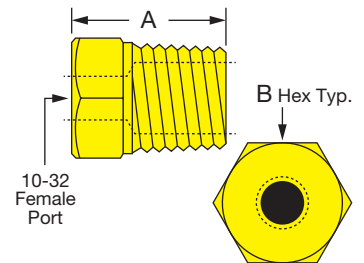
Thread Sizes		Part Numbers					Dimensions (Reference)	
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.
1/8	10-32	1860	1860-SS	1860-316SS	1860-AL	1860-NP	1/2	7/16



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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

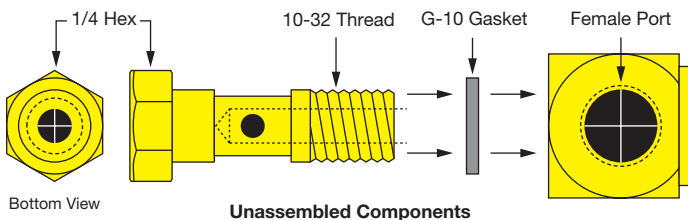
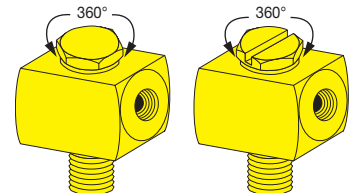
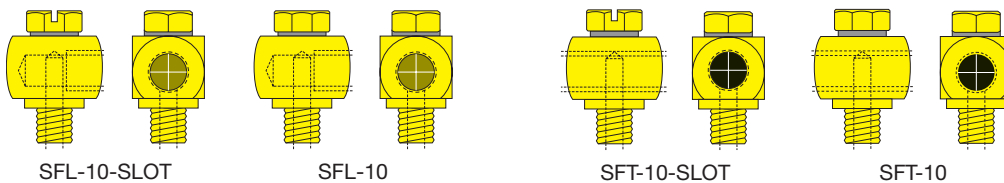
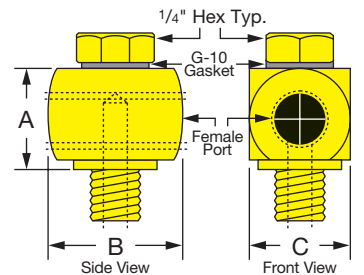


More Male to Female Thread Reducing Fittings (Reducing Bushings) listed on pages 386 - 391!

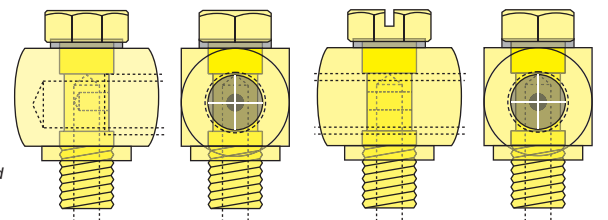
796

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**



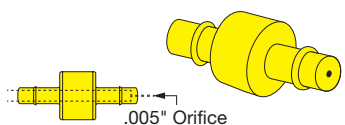
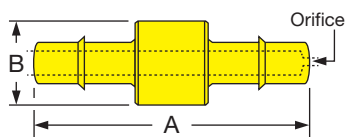
- 100 per package
- For 10-32 fittings
- 1/32" thick fiber

Consult factory for details!

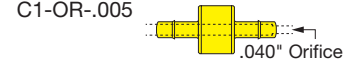


Orifice Couplings

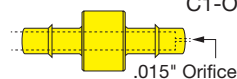
797



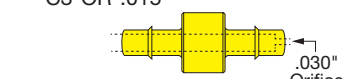
C1-OR-.005



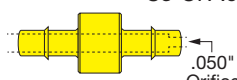
C1-OR-.040



C3-OR-.015



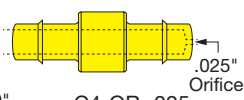
C3-OR-.030



C3-OR-.050



C4-OR-.010

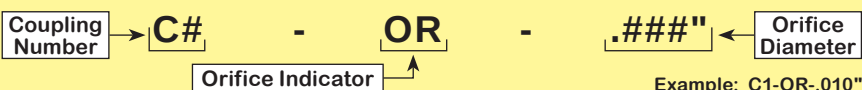


C4-OR-.025

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

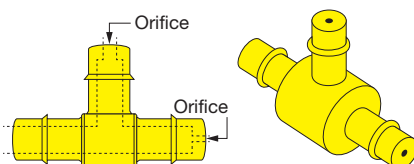
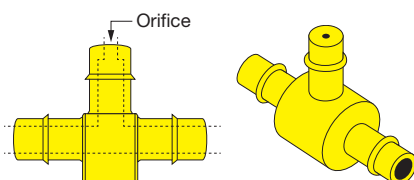
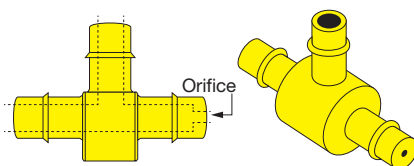
-316SS = Stainless Steel 316

-AL = Aluminum/6061-T6

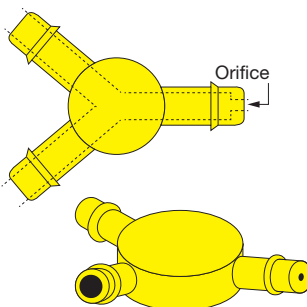
-NP = Electroless Nickel Plate

Other Available Tube to Tube Orifice Options

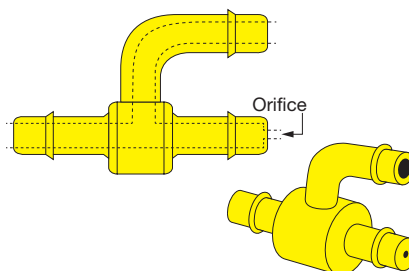
Tee Orifices



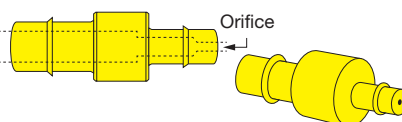
Y Orifices



Parallel Run L-Tee Orifices



Reducing Coupling Orifices



Consult Factory for Details!

Other Reducing Options also Available!

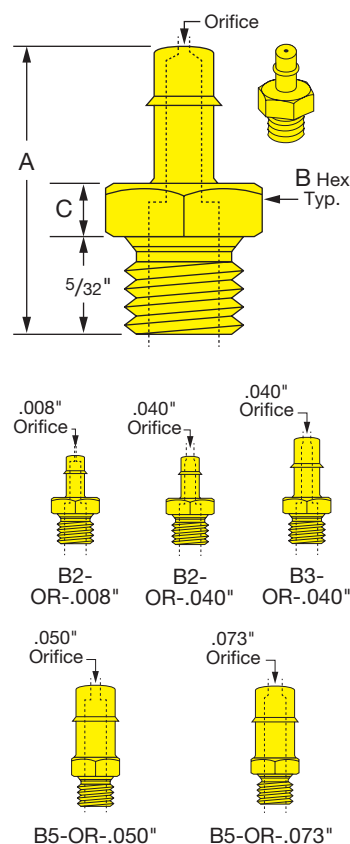
Note: Images are for visual representation only; not intended for dimensional measurements.

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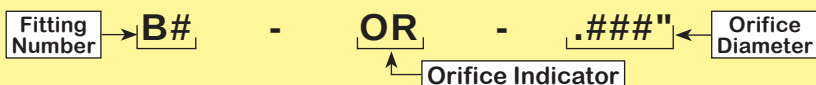
10-32 Thread to Tube Orifices with Fibre Gasket Supplied

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:



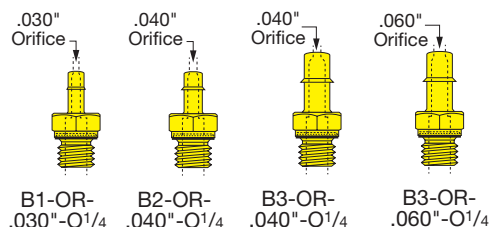
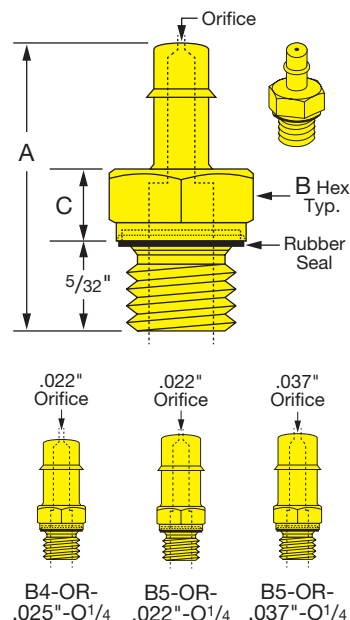
Material options listed on previous page!

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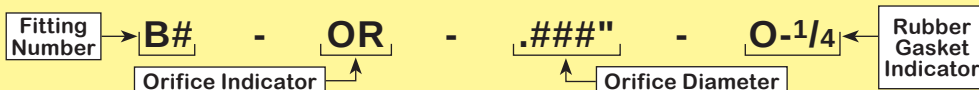
10-32 Thread to Tube Orifices with Rubber Gasket Installed

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:



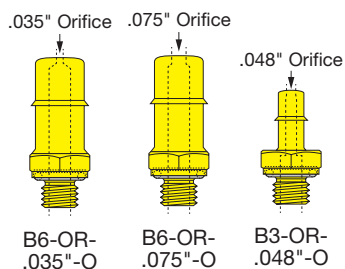
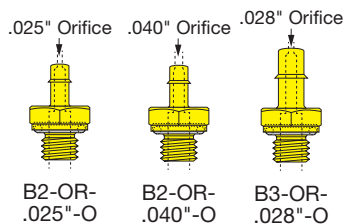
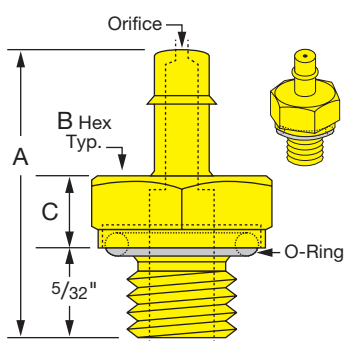
See previous page for material options!

*Orifice diameters available in increasing increments of .001".



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

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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

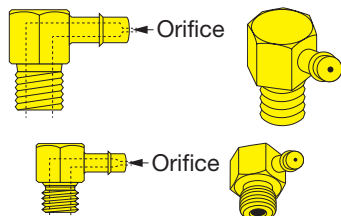
-316SS = Stainless Steel 316

-AL = Aluminum/6061-T6

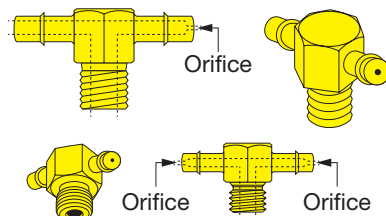
-NP = Electroless Nickel Plate

Available 10-32 & 1/4-28 Male Thread to Tube Orifice Options

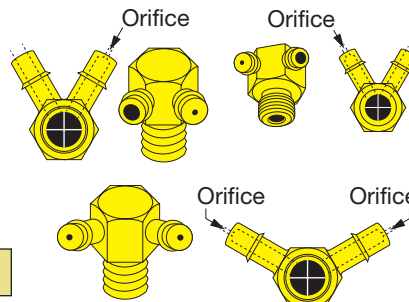
Elbow Orifices



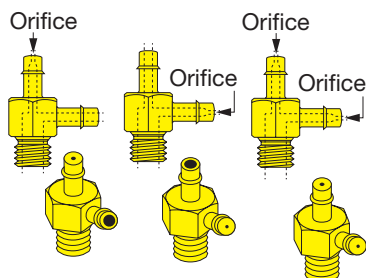
Tee Orifices



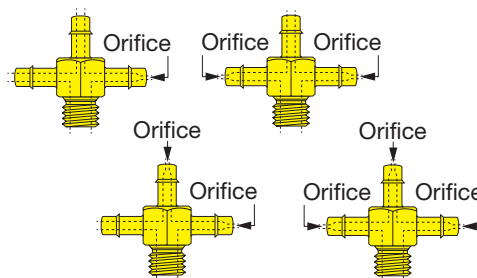
V-Tee Orifices



L-Tee Orifices



Tee x 3 Orifices

O-Ring Options Available!
Consult Factory for Details!

Reducing options also available!

Consult factory for details!

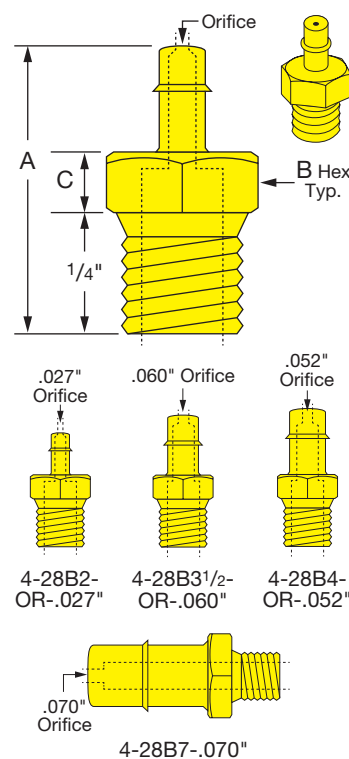
Note: Images are for visual representation only;
not intended for dimensional measurements.

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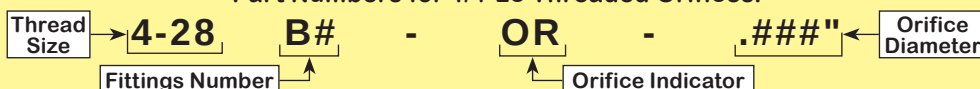
1/4-28 Straight Male Thread Orifices with Fibre Gasket Supplied

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:



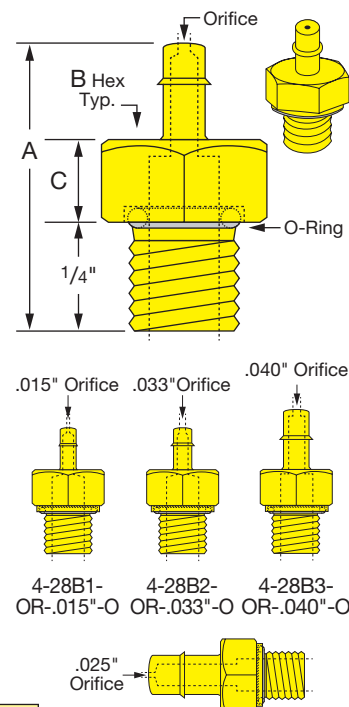
See previous page for material options.

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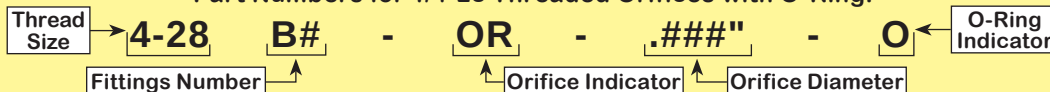
1/4-28 Straight Male Thread Orifices with O-Ring Seal Installed

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:



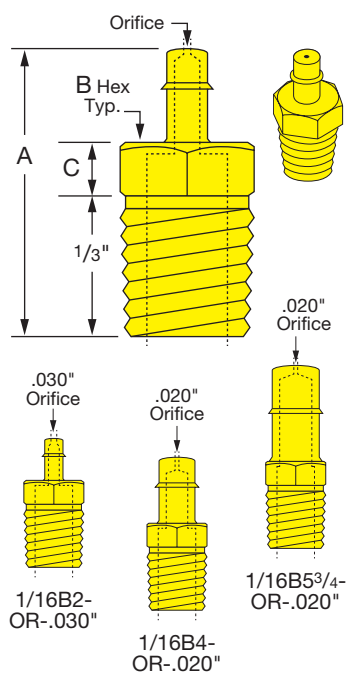
4-28B5-OR-.025"-O

See previous page for material options.



1/16 NPT Male Thread to Tube Orifices

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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".

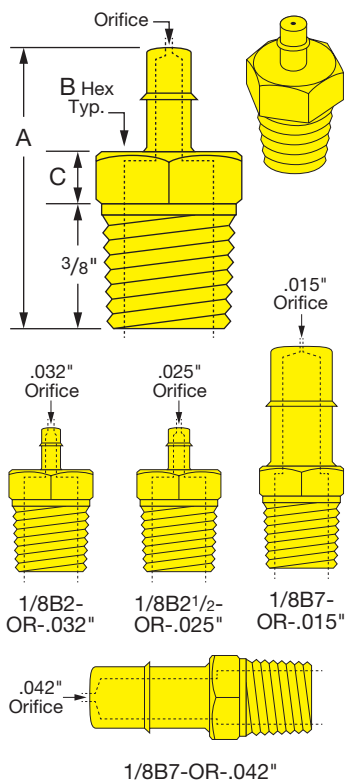
Material options listed on next page!

Part Numbers for 1/16 Threaded Orifice:



1/8 NPT Male Thread to Tube Orifices

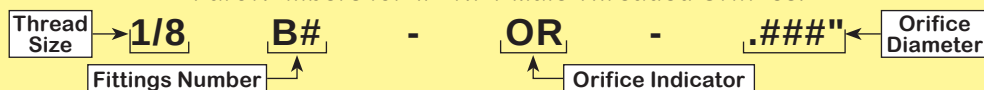
804



Tube ID	Orifice Part Numbers		Dimensions (Reference)		
	Fitting #	Sample Part Numbers	A Ref.	B Typ.	C Ref.
1/8	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-####	11/32	7/16	5/32
1/4	B6	1/8B6-OR-####	11/32	7/16	5/32
5/16 / 8mm	B7	1/8B7-OR-####	17/16	7/16	5/32
3/8	B8	1/8B8-OR-####	11/16	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:



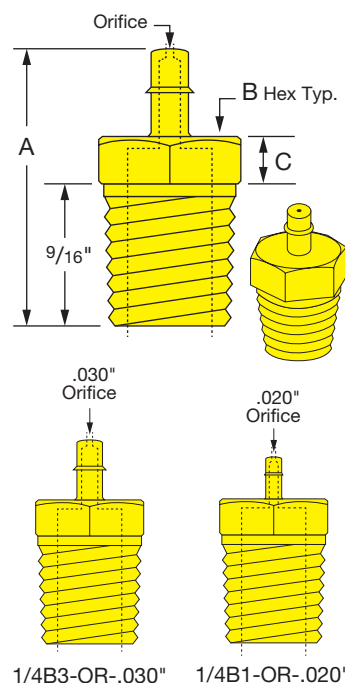
Material options listed on next page!

805

1/4 NPT Male Thread to Tube 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

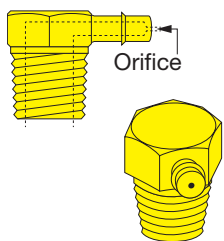
-316SS = Stainless Steel 316

-AL = Aluminum 6061-T6

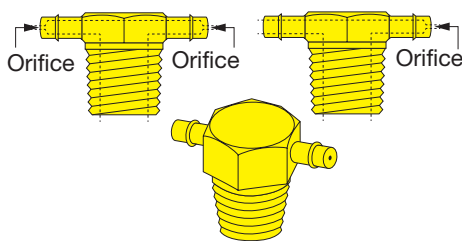
-NP = Electroless Nickel Plate

Available NPT Male Thread to Tube Orifice Options

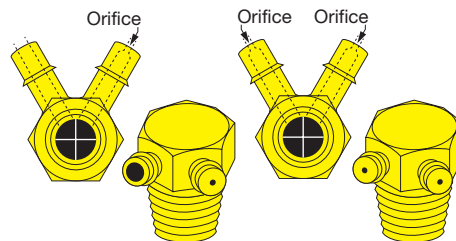
Elbow Orifices



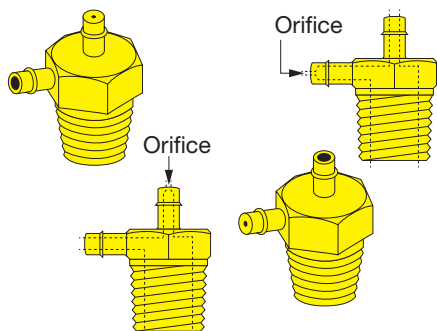
Tee Orifices



V-Tee Orifices



L-Tee Orifices



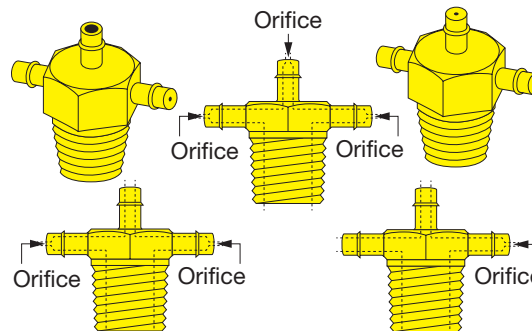
Reducing Options are also Available!

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

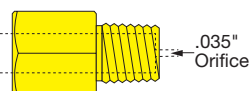
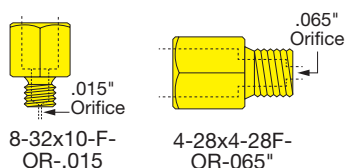
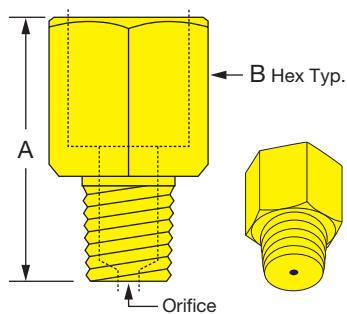


G2



Male to Female Thread Adapter Orifices

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1/16x1/16-F-OR-.035"

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!

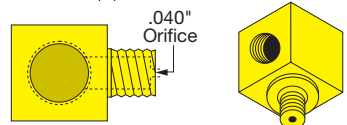
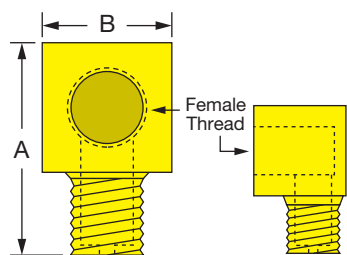
Part Numbers for Male to Female Thread Adapter Orifices:

Male Thread → ### X ###-F - OR - .###" ← Orifice Diameter

Female Thread ↑ Orifice Indicator

Male to Female Thread 90° L-Adapter Orifices

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4-20x1/16-FL-OR-.040

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"

*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

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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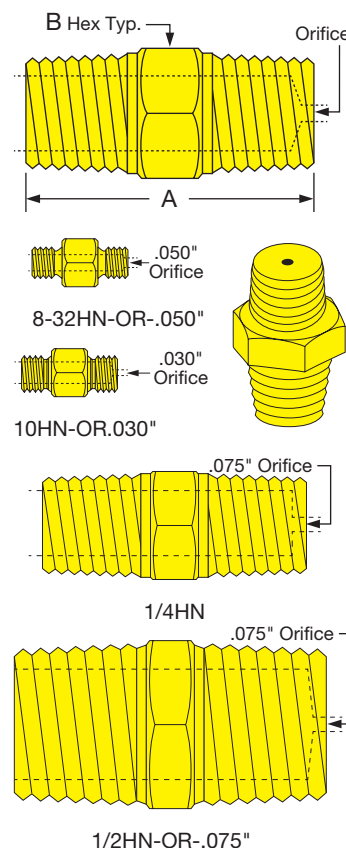
Standard Hex Nipples Orifices

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-####	Consult Factory	Consult Factory
1/4 NPT	1/4HN-OR-####		
3/8 NPT	3/8HN-OR-####		
1/2 NPT	1/2HN-OR-####		

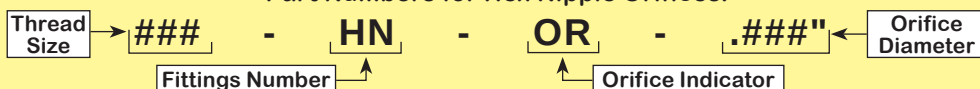
***Orifice diameters available in increasing increments of .001".**

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:



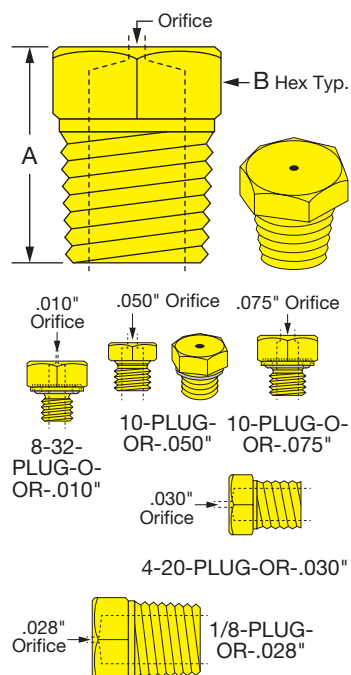
809

Orifices Plugs

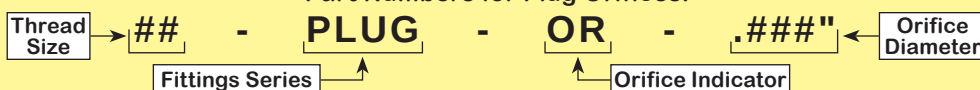
Thread & Seal Type	Orifice Part Numbers	Dimensions (Reference)	
	Sample Part Numbers	A Ref.	B Typ.
8-32 Fibre Gasket	8-32-PLUG-OR-####	1/4	1/4
10-32 Fibre Gasket	10-PLUG-OR####	1/4	1/4
10-32 COR	10-O-PLUG-OR-####	9/32	5/16
10-32 CRG	10-O-1/4-PLUG-OR-####	9/32	1/4
1/4-28 Fibre Gasket	4-28-PLUG-OR-####	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:



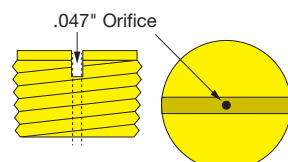
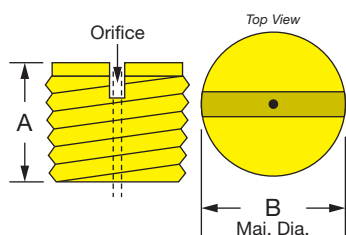
Consult factory for part numbers involving O-Rings & Rubber Gaskets!

Material options listed on previous page!

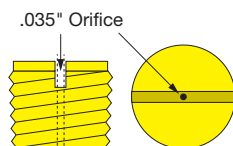


Slotted Flush Plugs Orifice

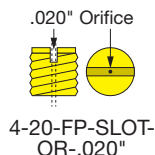
810



3/8-FP-SLOT-OR-.047"



1/4-FP-SLOT-OR-.035"



4-20-FP-SLOT-OR-.020"

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!

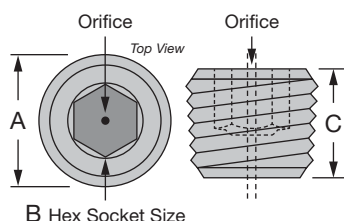
Orifice Diameters*			
Orifice Diameter	Orifice Diameter	Orifice Diameter	Orifice Diameter
.005"	.020"	.035"	.050"
.006"	.021"	.036"	.051"
.007"	.022"	.037"	.052"
.008"	.023"	.038"	.053"
.009"	.024"	.039"	.054"
.010"	.025"	.040"	.055"
.011"	.026"	.041"	.056"
.012"	.027"	.042"	.057"
.013"	.028"	.043"	.058"
.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:

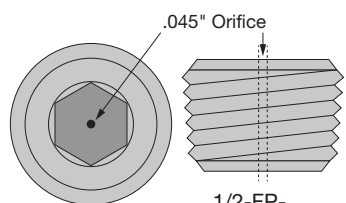
Thread Size	###	-	FP	-	SLOT	-	OR	-	###"	Orifice Diameter
			Fitting Series		Slot Indicator		Orifice Indicator			

Stainless Steel NPT Thread Dry Seal Hex Socket Pressure Plugs/Flush Plugs

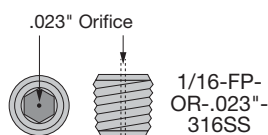
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See page 332 for dimensions!



1/2-FP-OR-.045"-316SS



1/16-FP-OR-.023"-316SS

NPT Thread Size	Orifice Part Numbers
	Sample Part Numbers
1/16	1/16-FP-316SS-OR-####
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:

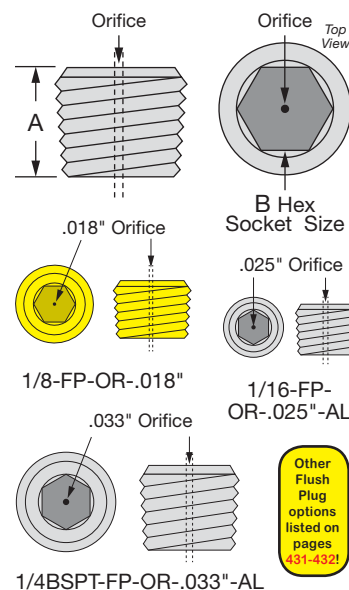
Thread Size	###	-	FP	-	316SS	-	OR	-	###"	Material Indicator
			Fitting Series		Orifice Diameter		Orifice Indicator			

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Counter-Sunk Plugs (Flush Plugs) Orifices

Thread Size	Orifice Part Numbers	Dimensions (Reference)	
	Sample Part Numbers	A Ref.	B Typ.
1/16 NPT	1/16-FP-OR-.####	Consult Factory	5/32
1/8 NPT	1/8-FP-OR-.####		3/16
1/4 NPT	1/4-FP-OR-.####		1/4
3/8 NPT	3/8-FP-OR-.####		5/16
1/2 NPT	1/2-FP-OR-.####		3/8
3/4 NPT	3/4-FP-OR-.####		9/16
1 NPT	1-FP-OR-.####		5/8
1 1/4 NPT	1 1/4-FP-OR-.####		3/4
1/8 BSPT	1/8BSPT-FP-OR-.####		3/16
1/4 BSPT	1/4BSPT-FP-OR-.####		1/4
3/8 BSPT	3/8BSPT-FP-OR-.####	.460	5/16
1/2 BSPT	1/2BSPT-FP-OR-.####	.610	3/8

Orifice Diameters*			
Orifice Diameter	Orifice Diameter	Orifice Diameter	Orifice Diameter
.005"	.020"	.035"	.050"
.006"	.021"	.036"	.051"
.007"	.022"	.037"	.052"
.008"	.023"	.038"	.053"
.009"	.024"	.039"	.054"
.010"	.025"	.040"	.055"
.011"	.026"	.041"	.056"
.012"	.027"	.042"	.057"
.013"	.028"	.043"	.058"
.014"	.029"	.044"	.059"
.015"	.030"	.045"	.060"
.016"	.031"	.046"	.061"
.017"	.032"	.047"	.062"
.018"	.033"	.048"	.063"
.019"	.034"	.049"	.064"



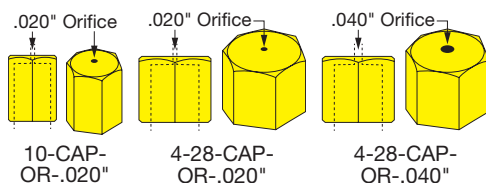
*Orifice diameters are available in increasing increments of .001".

Material Options Vary! Lead Times & Minimum Quantities Apply! Consult Factory for Details, Part Numbers, and Dimensions!

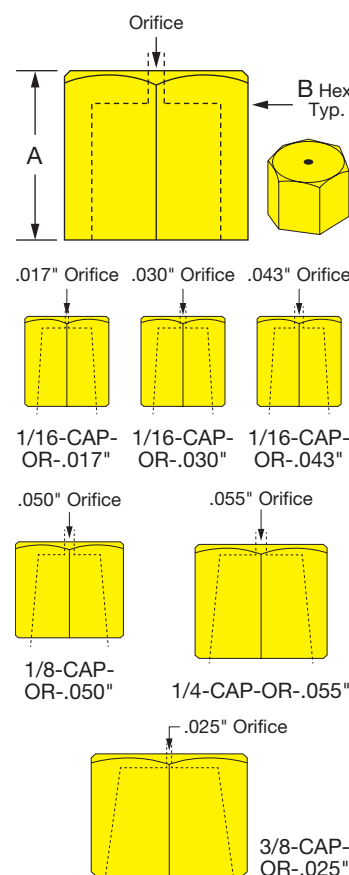
813

Female Thread Cap Orifices

Thread Size	Orifice Part Numbers	Dimensions (Reference)	
	Sample Part Numbers	A Ref.	B Typ.
10-32	10-CAP-OR-.####	11/32	1/4
10-32 Short	10-CAP-SH-OR-.####	9/32	1/4
1/4-28	4-28-CAP-OR-.####	11/32	3/8
1/16 NPT	1/16-CAP-OR-.####	15/32	7/16
1/8 NPT	1/8-CAP-OR-.####	1/2	9/16
1/4 NPT	1/4-CAP-OR-.####	19/32	11/16
3/8 NPT	3/8-CAP-OR-.####	.730	13/16
1/2 NPT	1/2-CAP-OR-.####	11/16	15/16



Orifice Diameters*			
Orifice Diameter	Orifice Diameter	Orifice Diameter	Orifice Diameter
.005"	.020"	.035"	.050"
.006"	.021"	.036"	.051"
.007"	.022"	.037"	.052"
.008"	.023"	.038"	.053"
.009"	.024"	.039"	.054"
.010"	.025"	.040"	.055"
.011"	.026"	.041"	.056"
.012"	.027"	.042"	.057"
.013"	.028"	.043"	.058"
.014"	.029"	.044"	.059"
.015"	.030"	.045"	.060"
.016"	.031"	.046"	.061"
.017"	.032"	.047"	.062"
.018"	.033"	.048"	.063"
.019"	.034"	.049"	.064"



Part Numbers for Female Cap Orifices:

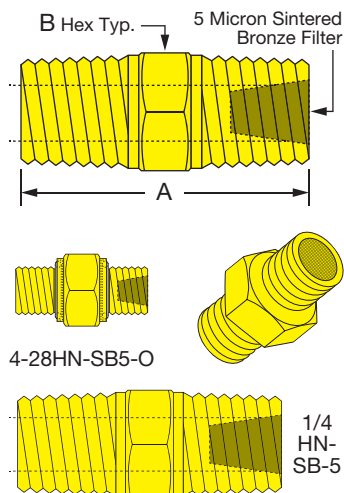


Unless otherwise specified, parts will be Brass. To order other materials, add the following codes to the end of the part number:
 -SS = Stainless Steel 303 -316SS = Stainless Steel 316 -AL = Aluminum 6061-T6 -NP = Electroless Nickel Plate



Hex Nipples with 5 Micron Sintered Bronze Filter Element

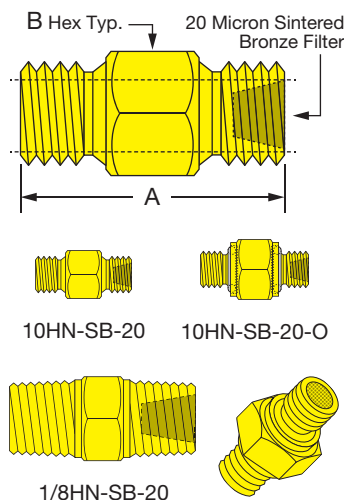
814



Thread Size and Type 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

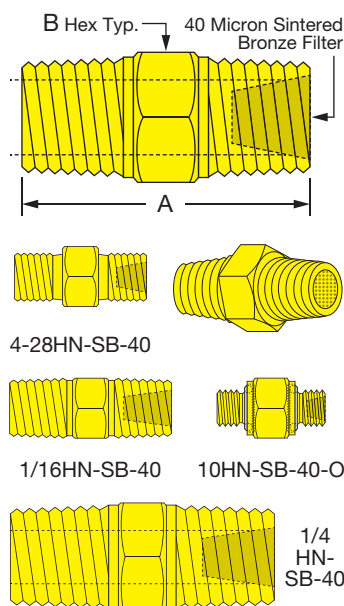
815



Thread Size and Type 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

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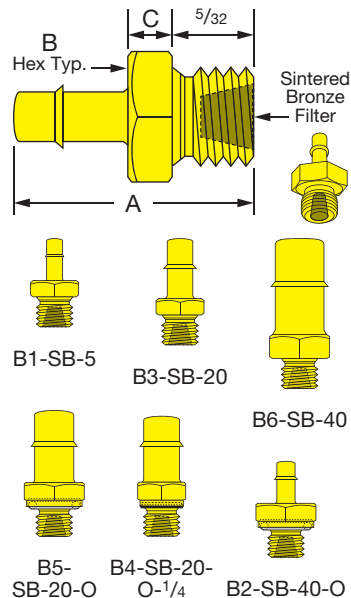
Thread Size and Type Seal	Part Numbers					Dimensions (Reference)	
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.
10-32 Fibre Gasket	10HN-SB-40	10HN-SB-40-SS	10HN-SB-40-316SS	10HN-SB-40-AL	10HN-SB-40-NP	1/2	1/4
10-32 COR	10HN-SB-40-O	10HN-SB-40-O-SS	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!

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.
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



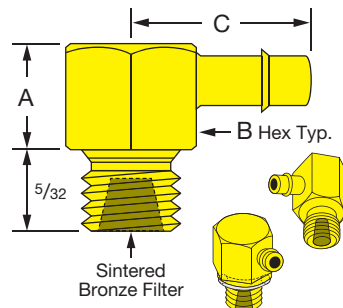
Thread Size → **B** # - **SB-##** ← Filter Size

Branch Number

10-32 Male Thread Elbows with Sintered Bronze Filter Element

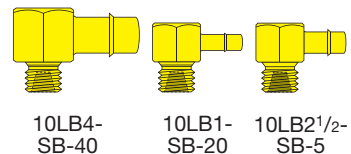
Larger Branch		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Typ.	C Ref.
5/32 / 4mm	3 1/2	15/16	3/8	9/32
.170	4	1	3/8	9/32
3/16	5	1 1/8	7/16	9/32

Note: Images are for visual representation only. Dimensions may vary slightly due to manufacturing tolerances. Always refer to the technical drawing for precise specifications.



Thread Size → **10** **LB** # - **SB-##** ← Filter Size

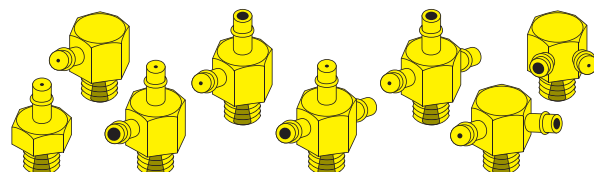
Fitting Series Branch Number

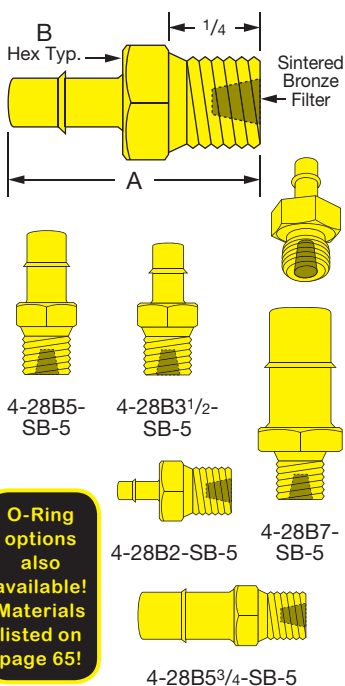


**10-32 Threaded Fittings are supplied with Fibre Gaskets.
O-Ring and Rubber Gasket options also available.
Material options listed on page 65!**

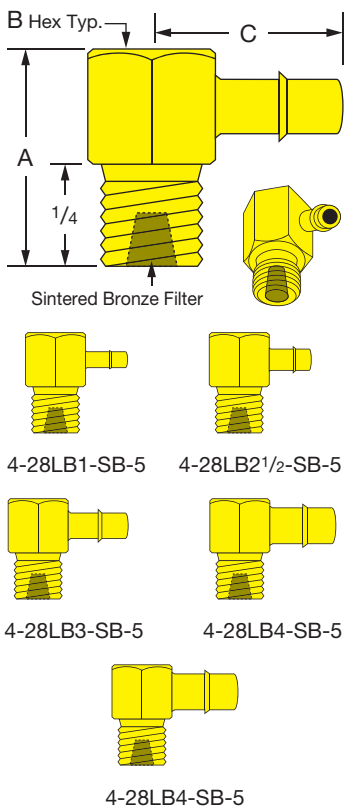
-NP = Electroless Nickel Plate

H2



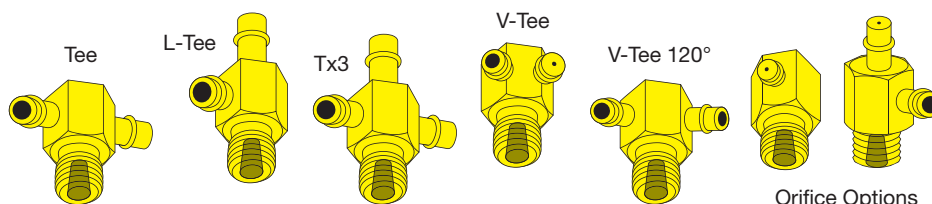
**1/4-28 Thread to Tube with 5 Micron Sintered Bronze Filter Element****819**

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 1/2-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

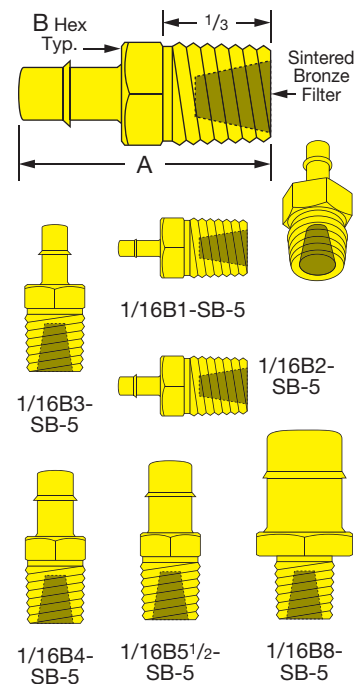
Other 1/4-28 thread fittings available with Sintered Bronze Filters! Consult factory for details!



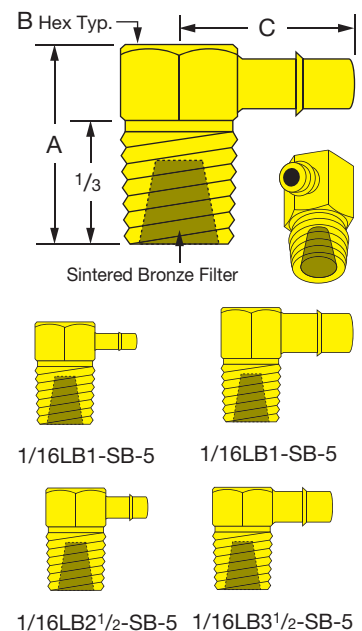
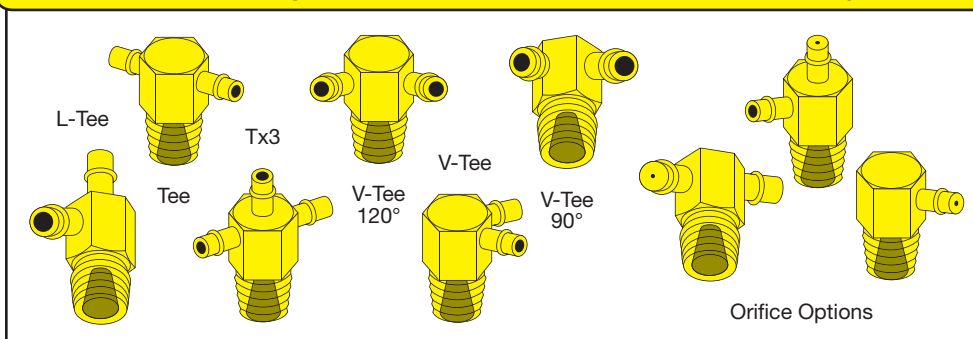
**Also available:
20 Micron &
40 Micron Filters**
Consult factory for details!

821***1/16 NPT Thread to Tube with 5 Micron Sintered Bronze Filter Element***

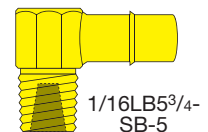
Tube ID	Part Numbers					Dimensions (Reference)	
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.
1/16	1/16B1-SB-5	1/16B1-SB-5-SS	1/16B1-SB-5-316SS	1/16B1-SB-5-AL	1/16B1-SB-5-NP	43/64	5/16
5/64 / 2mm	1/16B2-SB-5	1/16B2-SB-5-SS	1/16B2-SB-5-316SS	1/16B2-SB-5-AL	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	11/32	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	11/16
1/4	1/16LB6-SB-5	1/16LB6-SB-5-SS	1/16LB6-SB-5-316SS	1/16LB6-SB-5-NP	19/32	5/16	11/16

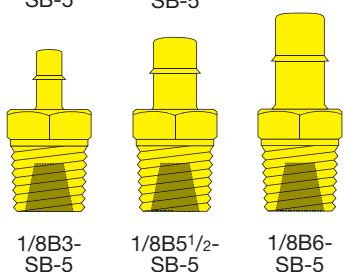
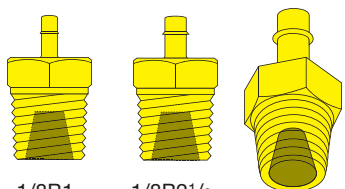
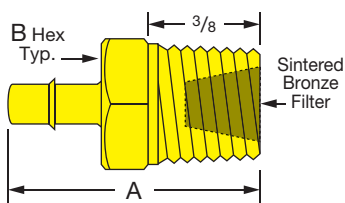
**Other 1/16 NPT thread fittings available with Sintered Bronze Filters! Consult factory for details!**

Note:
Dimensions may
vary at time of
manufacturing.

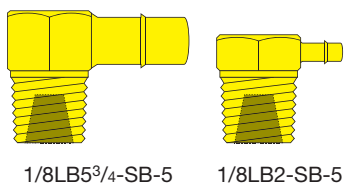
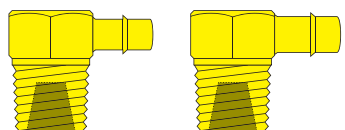
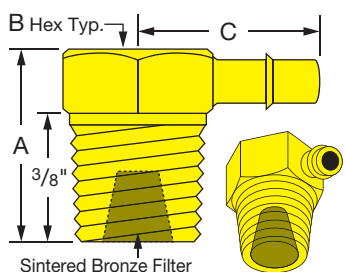


H2

**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	1/8B5 3/4-SB-5	1/8B5 3/4-SB-5-SS	1/8B5 3/4-SB-5-316SS	1/8B5 3/4-SB-5-AL	1/8B5 3/4-SB-5-NP	1 1/32	7/16
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
5/8 / 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

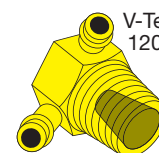
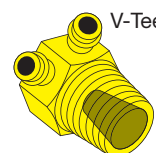
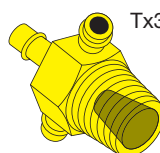
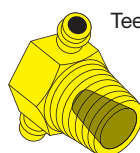
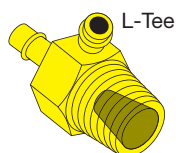
1/8 NPT Thread Elbows with 5 Micron Sintered Bronze Filter Element**824**

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	1/8LB5 3/4-SB-5	1/8LB5 3/4-SB-5-SS	1/8LB5 3/4-SB-5-316SS	1/8LB5 3/4-SB-5-NP	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
5/8 / 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

**Also available:
20 Micron &
40 Micron Filters**
Consult factory for details!

Orifice options also available!
Consult factory for details!

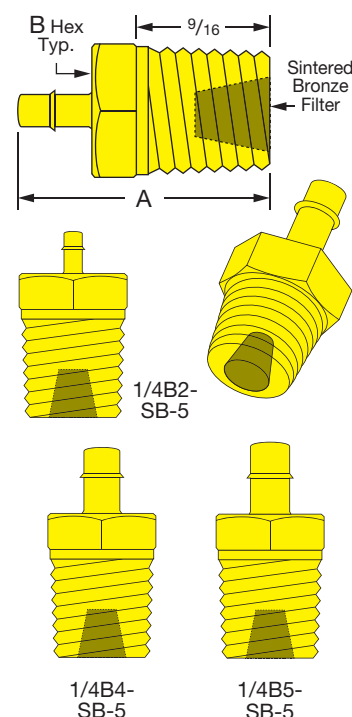
Other 1/8 NPT thread fittings available with Sintered Bronze Filters! Consult factory for details!



825

1/4 NPT Thread to Tube with 5 Micron Sintered Bronze Filter Element

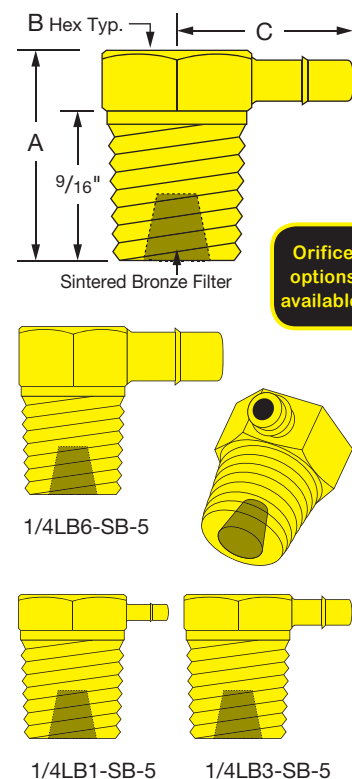
Tube ID	Part Numbers					Dimensions (Reference)	
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.
1/16	1/4B1-SB-5	1/4B1-SB-5-SS	1/4B1-SB-5-316SS	1/4B1-SB-5-AL	1/4B1-SB-5-NP	3 1/32	9/16
5/64 / 2mm	1/4B2-SB-5	1/4B2-SB-5-SS	1/4B2-SB-5-316SS	1/4B2-SB-5-AL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



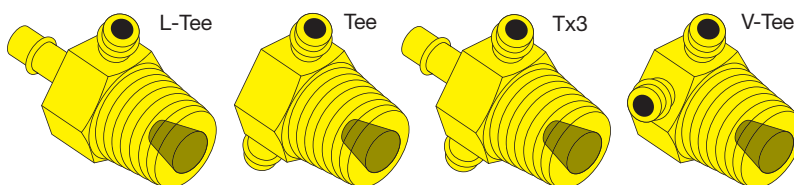
826

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
5/8 / 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



Other 1/4 NPT thread fittings available with Sintered Bronze Filters! Consult factory for details!

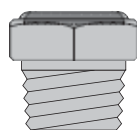
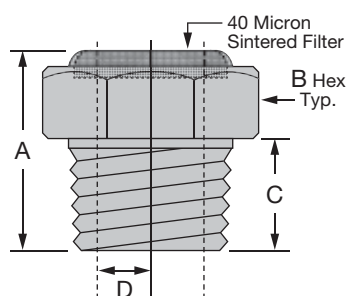


Also available:
20 Micron &
40 Micron Filters
Consult factory for details!

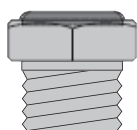


Flat Head Mufflers with 40 Micron Sintered Filter/Breather Vent

827



BSSV-N02-F



BSSV-G02-F

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		Consult Factory	
M5	BSSV-M5-F	Consult Factory		Consult Factory	

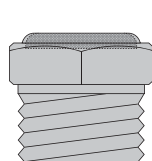
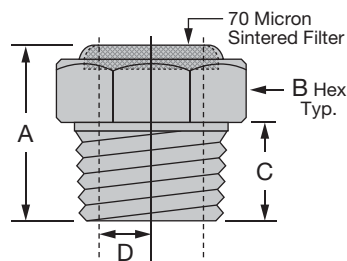
Male Thread	Part Numbers	Dimensions (Reference)			
	Stainless Steel 316L	A Ref.	B Typ.	C Ref.	D Ref.
1/8 BSPT	BSSV-R01-F	.492	12mm	.276	.236
1/4 BSPT	BSSV-R02-F	.622	17mm	.362	.354
3/8 BSPT	BSSV-R03-F	.669	19mm	.402	.394
1/2 BSPT	BSSV-R04-F	.787	22mm	.500	.591
3/4 BSPT	BSSV-R06-F	.878	27mm	.591	.728
1 BSPT	BSSV-R08-F	.996	32mm	.591	.787
1 1/2 BSPT	BSSV-R10-F	Consult Factory		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		Consult Factory	

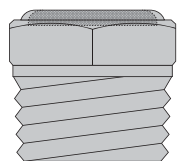
Dimensions are the same as the NPT Threads!

Flat Head Mufflers with 70 Micron Screen Filter

828



BSSV-G03-N



BSSV-R04-N

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		Consult Factory	

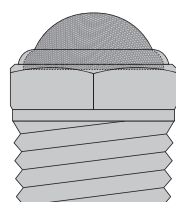
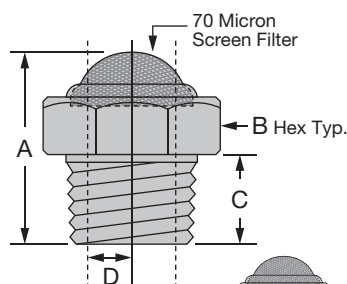
Male Thread	Part Numbers	Dimensions (Reference)			
	Stainless Steel 316L	A Ref.	B Typ.	C Ref.	D Ref.
1/8 BSPT	BSSV-R01-N	.492	12mm	.276	.197
1/4 BSPT	BSSV-R02-N	.622	17mm	.362	.315
3/8 BSPT	BSSV-R03-N	.669	19mm	.402	.394
1/2 BSPT	BSSV-R04-N	.787	22mm	.500	.591
3/4 BSPT	BSSV-R06-N	.878	34mm	.591	.787
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

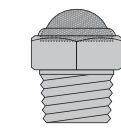
Dimensions are the same as the NPT Threads!

Flat Head Mufflers with 70 Micron Dome Screen Filter/Breather Vent

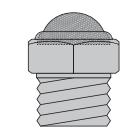
829



BSSV-R04-N



BSSV-R01-T



BSSV-G01-T

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		Consult Factory	
1 1/2 NPT	BSSV-N10-T	Consult Factory		Consult Factory	
M5	BSSV-M5-T	Consult Factory		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		Consult Factory	
1 1/2 BSPT	BSSV-R10-T	Consult Factory		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		Consult Factory	
1 1/2 BSPP	BSSV-G10-T	Consult Factory		Consult Factory	

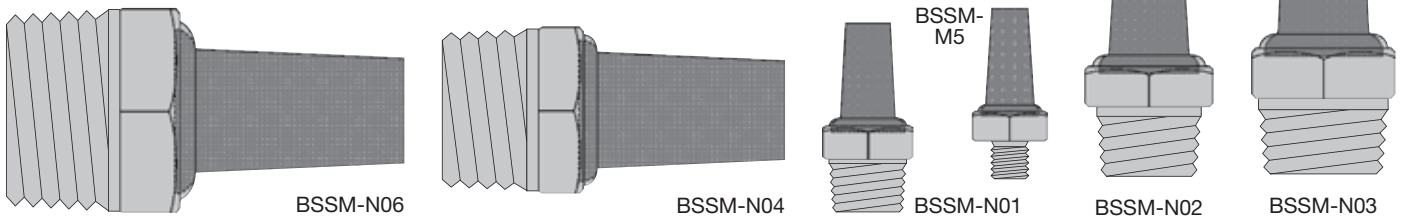
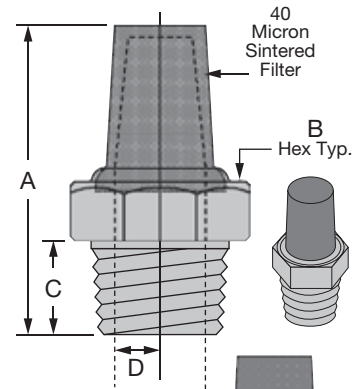
Dimensions are the same as the NPT Threads!

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			
1 1/2 NPT	BSSM-N10	Consult Factory			
M5	BSSM-M5	.890	10mm	.197	.098

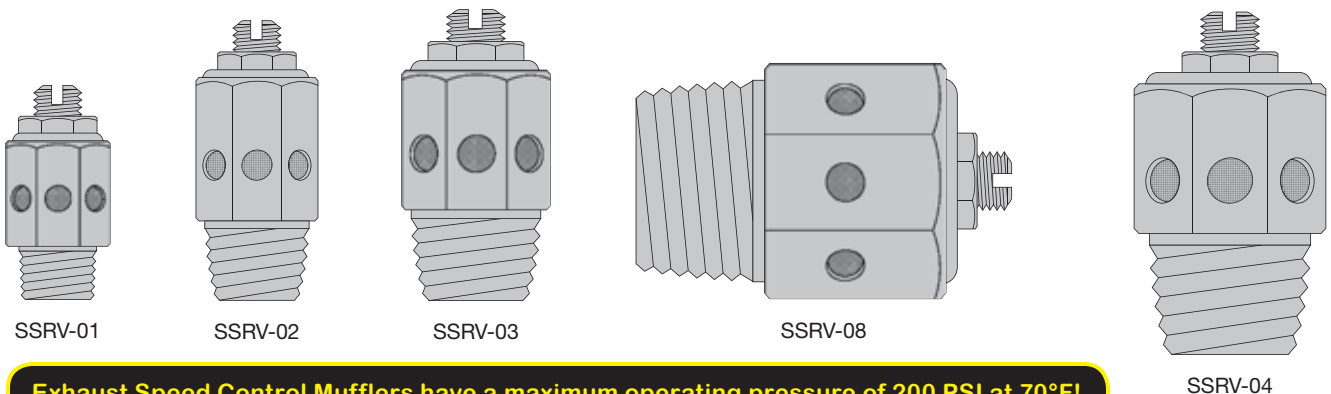
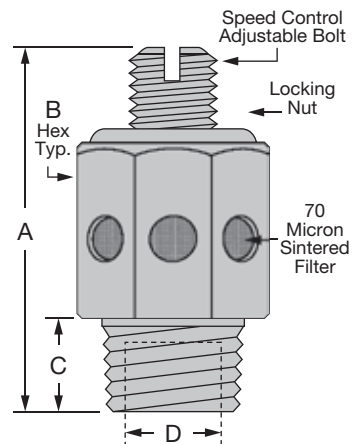


Convex Head Mufflers have a maximum operating pressure of 150 PSI at 70°F!

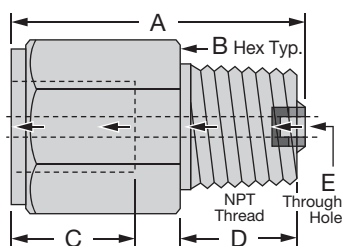
831

Exhaust Speed Control Mufflers with 70 Micron Sintered Filter

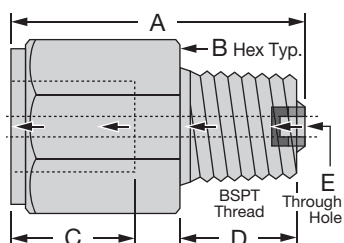
Male Thread	Part Numbers	Dimensions (Reference)			
	Stainless Steel 316L	A Ref.	B Typ.	C Ref.	D Ref.
1/8 NPT	SSRV-01	1.114	12mm	.276	.204
1/4 NPT	SSRV-02	1.457	14mm	.413	.204
3/8 NPT	SSRV-03	1.516	17mm	.492	.370
1/2 NPT	SSRV-04	1.783	22mm	.630	.527
3/4 NPT	SSRV-06	1.984	27mm	.670	.689
1 NPT	SSRV-08	2.146	34mm	.807	.890
M5	SSRV-M5	Consult Factory			



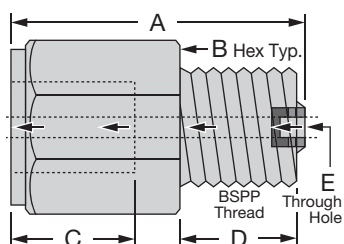
Exhaust Speed Control Mufflers have a maximum operating pressure of 200 PSI at 70°F!

**NPT Thread Adapters with Porous Snubber****832**

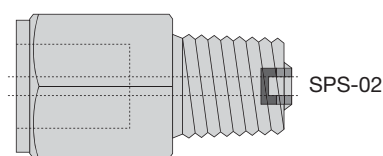
Male Thread	Female Thread	Part Numbers	Dimensions (Reference)				
		Stainless Steel 316L	A Ref.	B Typ.	C Ref.	D Ref.	E Ref.
1/4 NPT	1/4 NPT	SPS-02	1.417	3/4	.591	.630	.098
3/8 NPT	3/8 NPT	SPS-03	1.417	7/8	.591	.630	.098
1/2 NPT	1/2 NPT	SPS-04	1.811	1 1/16	.787	.827	.181

BSPT Thread Adapters with Porous Snubber**833**

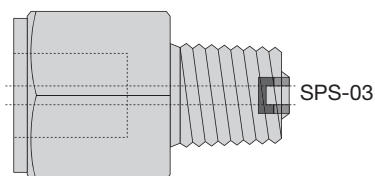
Male Thread	Female Thread	Part Numbers	Dimensions (Reference)				
		Stainless Steel 316L	A Ref.	B Typ.	C Ref.	D Ref.	E Ref.
1/4 BSPT	1/4 BSPT	SPS-02-BSPT	1.417	3/4	.591	.630	.098
3/8 BSPT	3/8 BSPT	SPS-03-BSPT	1.417	7/8	.591	.630	.098
1/2 BSPT	1/2 BSPT	SPS-04-BSPT	1.811	1 1/16	.787	.827	.181

BSPP Thread Adapters with Porous Snubber**834**

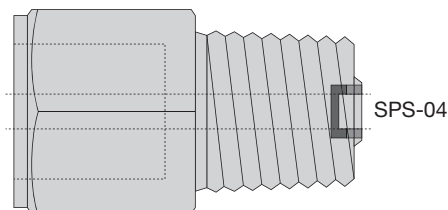
Male Thread	Female Thread	Part Numbers	Dimensions (Reference)				
		Stainless Steel 316L	A Ref.	B Typ.	C Ref.	D Ref.	E Ref.
1/4 BSPP	1/4 BSPP	SPS-02-BSPP	1.417	3/4	.591	.630	.098
3/8 BSPP	3/8 BSPP	SPS-03-BSPP	1.417	7/8	.591	.630	.098
1/2 BSPP	1/2 BSPP	SPS-04-BSPP	1.811	1 1/16	.787	.827	.181



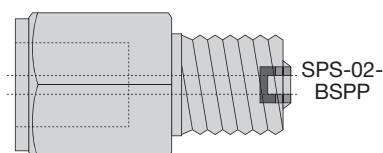
SPS-02



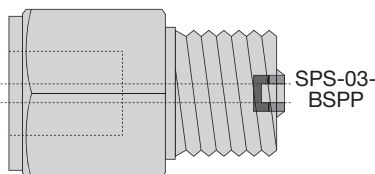
SPS-03



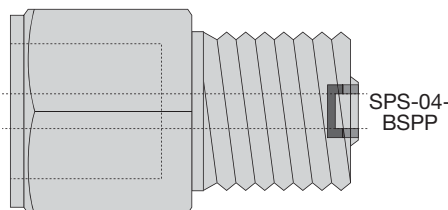
SPS-04



SPS-02-BSPP



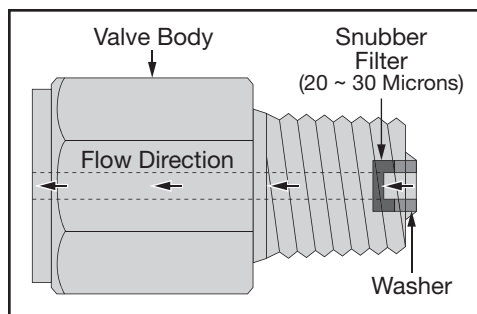
SPS-03-BSPP



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

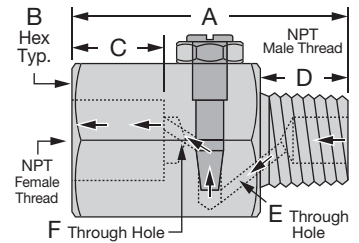


Pressure Snubbers will considerably increase the service life of pressure gauges in harsh applications such as on reciprocating pumps and compressors, hydraulic presses, or fluid power systems and will additionally improve the reading accuracy of the gauge.

835

NPT Thread Adapters with Porous Snubber

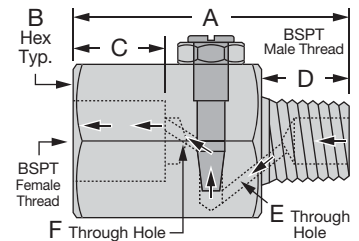
Male Thread	Female Thread	Part Numbers	Dimensions (Reference)					
		Stainless Steel 316L	A Ref.	B Typ.	C Ref.	D Ref.	E Ref.	F Ref.
1/4 NPT	1/4 NPT	SAM-02	1.575	7/8	1/2	1/2	.098	.078
3/8 NPT	3/8 NPT	SAM-03	1.654	7/8	1/2	1/2	.098	.078
1/2 NPT	1/2 NPT	SAM-04	2.283	1 1/16	3/4	3/4	.098	.078



836

BSPT Thread Adapters with Porous Snubber

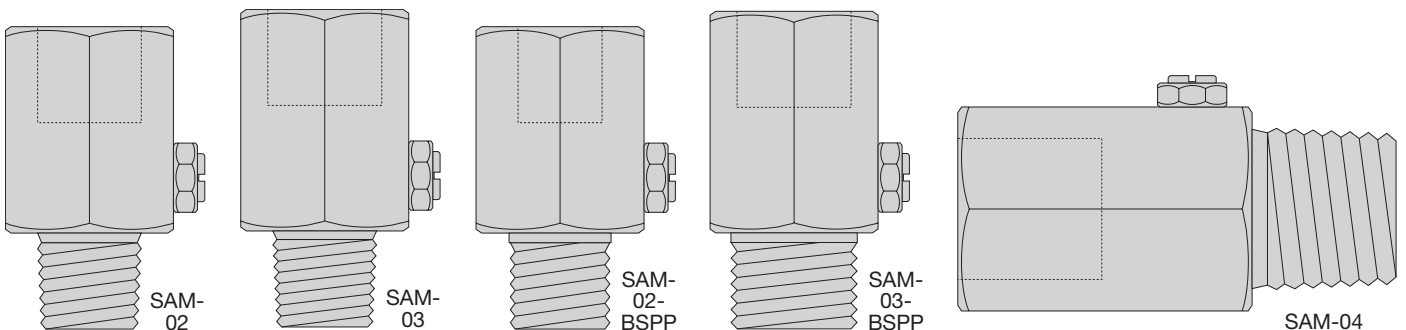
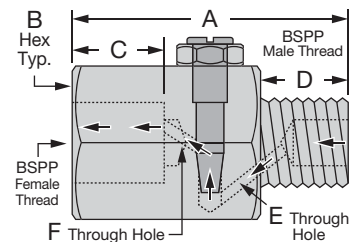
Male Thread	Female Thread	Part Numbers	Dimensions (Reference)					
		Stainless Steel 316L	A Ref.	B Typ.	C Ref.	D Ref.	E Ref.	F Ref.
1/4 BSPT	1/4 BSPT	SAM-02-BSPT	1.575	7/8	1/2	1/2	.098	.078
3/8 BSPT	3/8 BSPT	SAM-03-BP-BSPT	1.654	7/8	1/2	1/2	.098	.078
1/2 BSPT	1/2 BSPT	SAM-04-BSPT	2.283	1 1/16	3/4	3/4	.098	.078



837

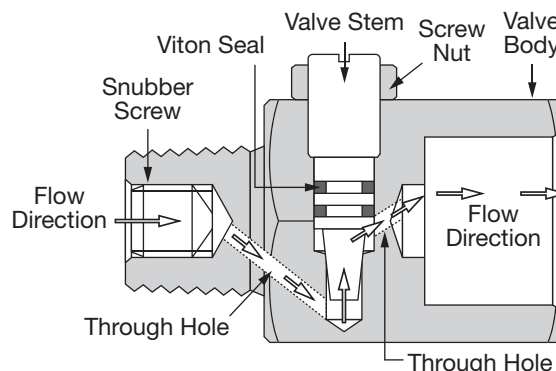
BSPP Thread Adapters with Porous Snubber

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

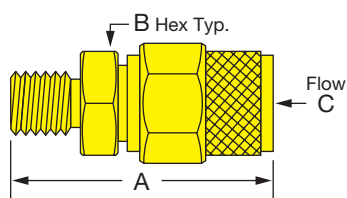


Adjustable Snubbers can be used in pumps, compressors, hydraulic presses, or fluid power systems. Adjustable Snubbers will considerably increase the service life of pressure gauges and improve the reading accuracy of the gauges.



Tube to Mini Male Thread PTF

838



0018



0019



0016



0020



0015

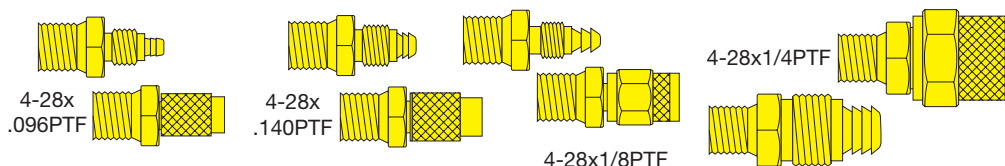


1/16x1/4PTF

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

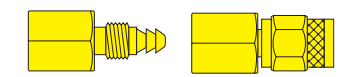
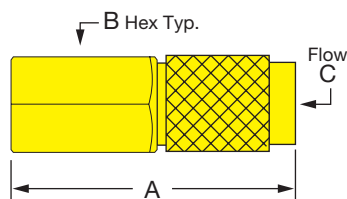
These parts are based on Tube O.D. (Outer Dimension.)

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	4-28x1/8PTF-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	4-28x3/16PTF-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	4-28x1/4PTF-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	1/16x3/16PTF-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	1/16x1/4PTF-NP	1.030	3/8	.093



Tube to Mini Female Thread PTF

839



4-28Fx1/8PTF

4-28Fx
3/16PTF4-28Fx
1/4PTF

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.)

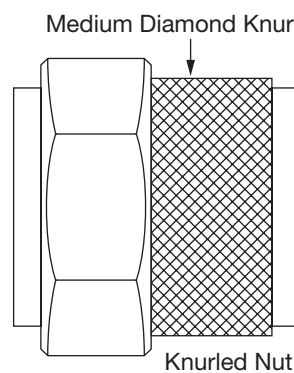
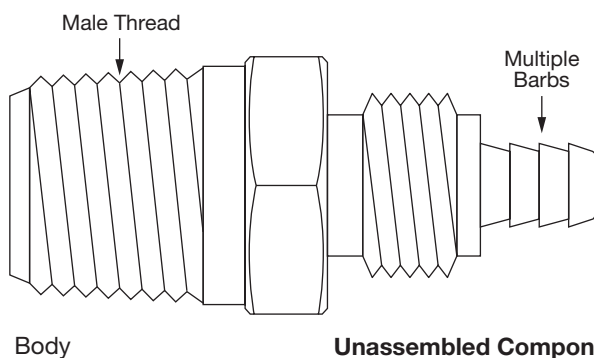
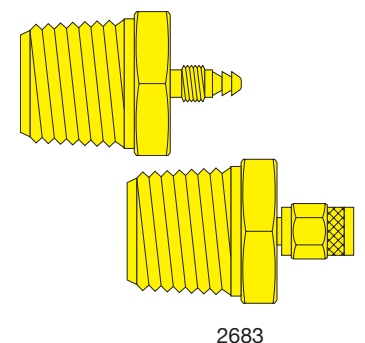
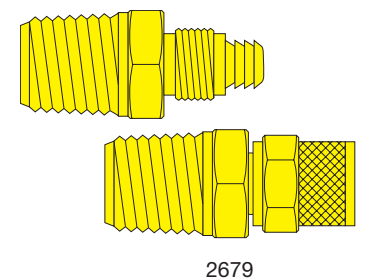
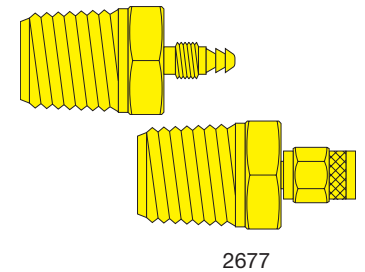
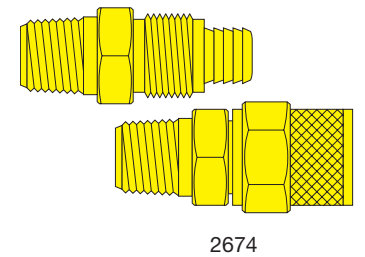
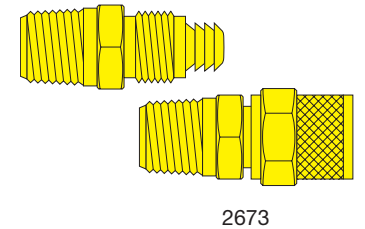
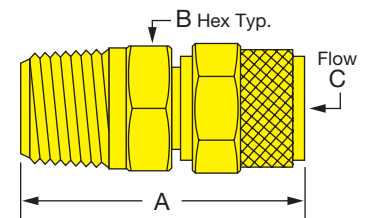
1/4-28	.096	4-28Fx .096PTF	4-28Fx .096PTF-SS	4-28Fx .096PTF-316SS	4-28Fx .096PTF-AL	4-28Fx.096PTF-NP	.705	1/4	.040
1/4-28	.140	4-28Fx .140PTF	4-28Fx .140PTF-SS	4-28Fx .140PTF-316SS	4-28Fx .140PTF-AL	4-28Fx.140PTF-NP	.75	1/4	.070
1/4-28	1/8	4-28Fx 1/8PTF	4-28Fx 1/8PTF-SS	4-28Fx 1/8PTF-316SS	4-28Fx 1/8PTF-AL	4-28Fx1/8PTF-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	4-28Fx3/16PTF-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	4-28Fx1/4PTF-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	1/16Fx3/16PTF-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	1/16Fx1/4PTF-NP	1.030	3/8	.093

Metric Sizes Available!
Consult Factory for Details!

840

Tube to Male Thread PTF

NPT	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

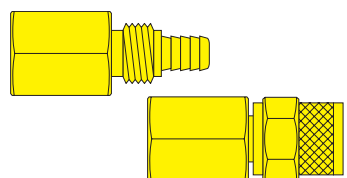
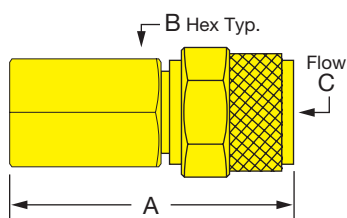


Note: Images are for visual representation only;
not intended for dimensional measurements.

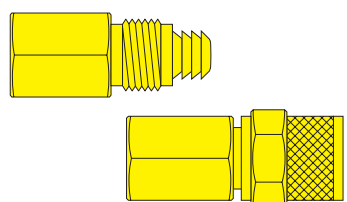


Tube to Female Thread PTF

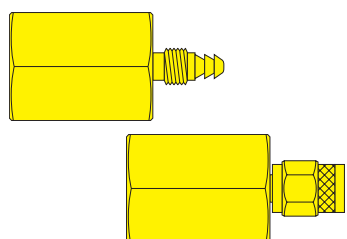
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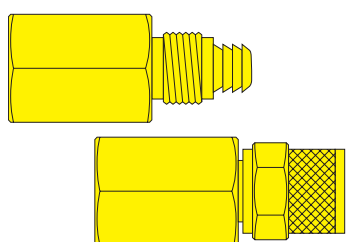
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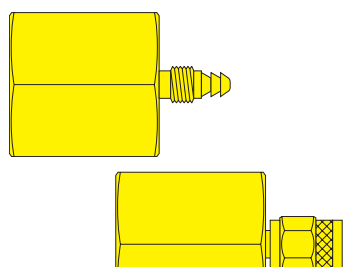
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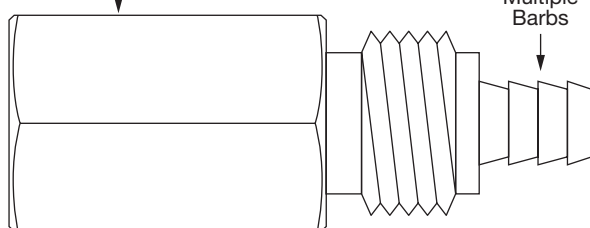
2679F



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 1/9	.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

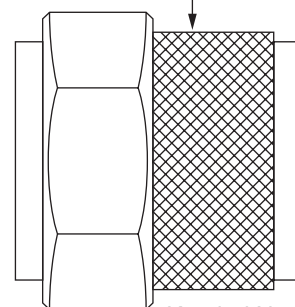


Body

Multiple Barbs

Unassembled Components

Medium Diamond Knurl



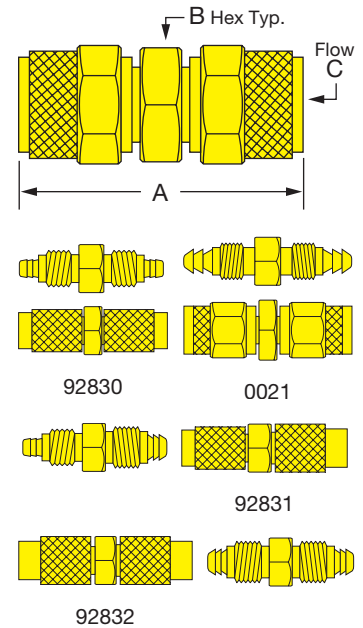
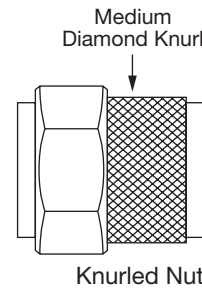
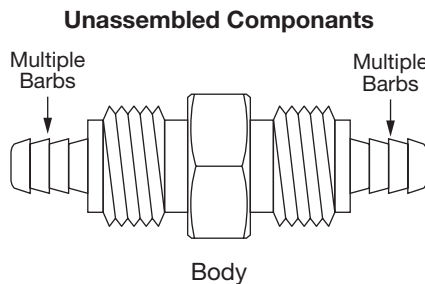
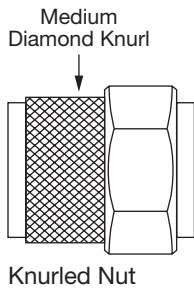
Knurled Nut

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

842

Tube 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

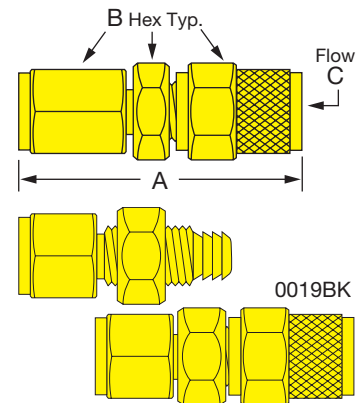
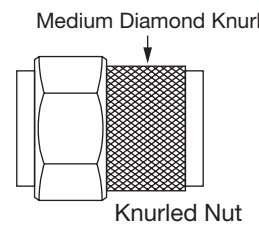
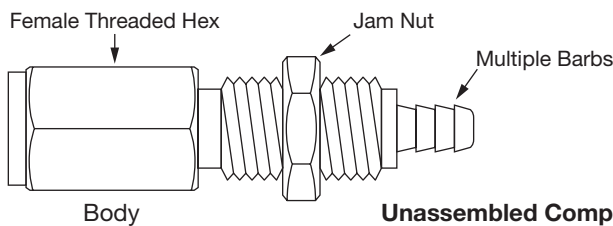


Metric sizes also available!

843

Miniature Bulkhead - Female Thread to Tube PTF

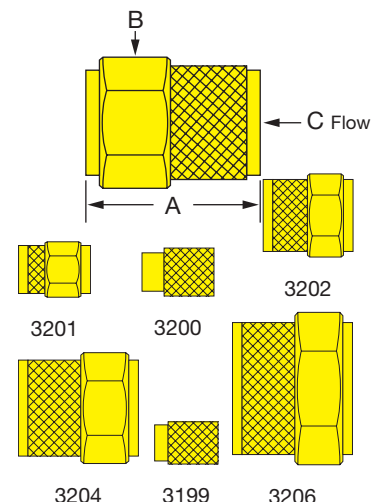
Female Thread	Tube OD	Part Numbers					Dimensions (Reference)		
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C FLOW
10-32	1/4	0019BK	0019BK-SS	0019BK-316SS	0019BK-AL	0019BK-NP	1.46	7/16	.156



844

Diamond Knurled Nuts

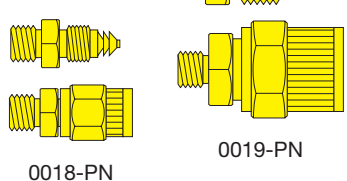
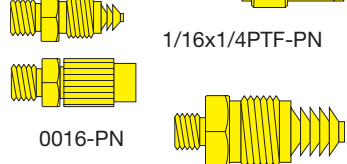
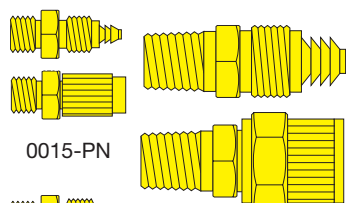
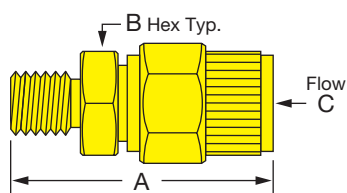
Thread	Tube OD	Part Numbers					Dimensions (Reference)		
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C FLOW
10-32 UNF	.096	3199	3199-SS	3199-316SS	3199-AL	3199-NP	.330	.220	.100
12-28 UNF	.140	3200	3200-SS	3200-316SS	3200-AL	3200-NP	3/8	1/4	.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 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





Tube to Mini Male Thread PTF for Strong Tubing

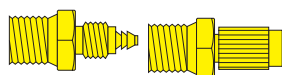
845



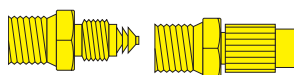
Male Thread	Tube OD	Part Numbers					Dimensions (Reference)		
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C FLOW
10-32	.096	0015-PN	0015-PN-SS	0015-PN-316SS	0015-PN-AL	0015-PN-NP	.560	1/4	.040
10-32	.140	0016-PN	0016-PN-SS	0016-PN-316SS	0016-PN-AL	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.)

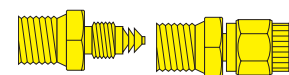
1/4-28	.096	4-28x.096 PTF-PN	4-28x.096PTF-PN-SS	4-28x.096PTF-PN-316SS	4-28x.096 PTF-PN-AL	4-28x.096PTF-PN-NP	.705	1/4	.040
1/4-28	.140	4-28x.140 PT-PN	4-28x.140 PTF-PN-SS	4-28x.140PTF-PN-316SS	4-28x.140 PTF-PN-AL	4-28x.140PTF-PN-NP	.75	1/4	.070
1/4-28	1/8	4-28x1/8 PTF-PN	4-28x 1/8PTF-PN-SS	4-28x 1/8PTF-PN-316SS	4-28x 1/8PTF-PN-AL	4-28x1/8PTF-PN-NP	.75	1/4	.062
1/4-28	3/16	4-28x 3/16 PTF-PN	4-28x3/16 PTF-PN-SS	4-28x3/16PTF-PN-316SS	4-28x3/16PTF-PN-AL	4-28x3/16PTF-PN-NP	.861	3/8	.078
1/4-28	1/4	4-28x 1/4PTF-PN	4-28x 1/4PTF-PN-SS	4-28x1/4PTF-PN-316SS	4-28x1/4PTF-PN-AL	4-28x1/4PTF-PN-NP	.905	3/8	.093
1/16	3/16	1/16x3/16 PTF-PN	1/16x3/16 PTF-PN-SS	1/16x3/16PTF-PN-316SS	1/16x3/16PTF-PN-AL	1/16x3/16PTF-PN-NP	.986	3/8	.078
1/16	1/4	1/16x1/4 PTF-PN	1/16x 1/4PTF-PN-SS	1/16x1/4PTF-PN-316SS	1/16x1/4PTF-PN-AL	1/16x1/4PTF-PN-NP	1.030	3/8	.093

Metric Sizes Available!
Consult Factory for Details!

4-28x.096PTF-PN



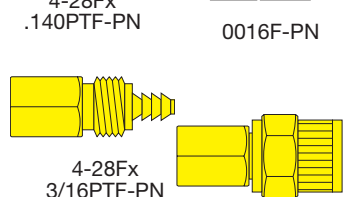
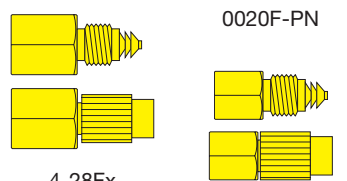
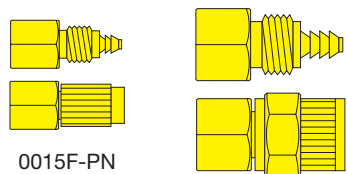
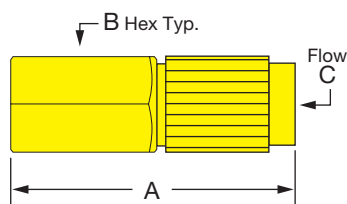
4-28x.140PTF-PN



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

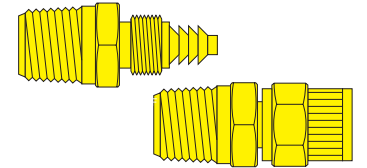
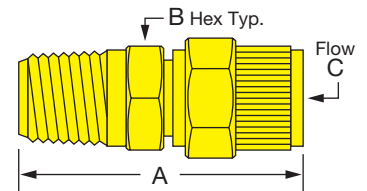
These parts are based on Tube O.D. (Outer Dimension.)

1/4-28	.096	4-28Fx.096 PTF-PN	4-28Fx.096 PTF-PN-SS	4-28Fx.096PTF-PN-316SS	4-28Fx.096 PTF-PN-AL	4-28Fx.096PTF-PN-NP	.705	1/4	.040
1/4-28	.140	4-28Fx.140 PT-PN	4-28Fx.140 PTF-PN-SS	4-28Fx.140PTF-PN-316SS	4-28Fx.140 PTF-PN-AL	4-28Fx.140PTF-PN-NP	.75	1/4	.070
1/4-28	1/8	4-28Fx1/8 PTF-PN	4-28Fx 1/8PTF-PN-SS	4-28Fx 1/8PTF-PN-316SS	4-28Fx 1/8PTF-PN-AL	4-28Fx1/8PTF-PN-NP	.75	1/4	.062
1/4-28	3/16	4-28Fx 3/16 PTF-PN	4-28Fx3/16 PTF-PN-SS	4-28Fx3/16PTF-PN-316SS	4-28Fx3/16 PTF-PN-AL	4-28Fx3/16PTF-PN-NP	.861	3/8	.078
1/4-28	1/4	4-28Fx1/4 PTF-PN	4-28Fx1/4PTF-PN-SS	4-28Fx1/4PTF-PN-316SS	4-28Fx1/4PTF-PN-AL	4-28Fx1/4PTF-PN-NP	.905	3/8	.093
1/16	3/16	1/16Fx3/16 PTF-PN	1/16Fx3/16 PTF-PN-SS	1/16Fx3/16PTF-PN-316SS	1/16Fx3/16 PTF-PN-AL	1/16Fx3/16PTF-PN-NP	.986	3/8	.078
1/16	1/4	1/16Fx1/4 PTF-PN	1/16Fx 1/4PTF-PN-SS	1/16Fx1/4PTF-PN-316SS	1/16Fx1/4PTF-PN-AL	1/16Fx1/4PTF-PN-NP	1.030	3/8	.093

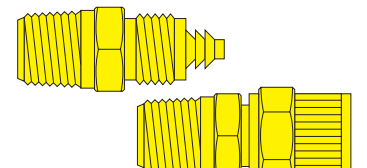
847

Tube to Male Thread PTF for Strong Tubing

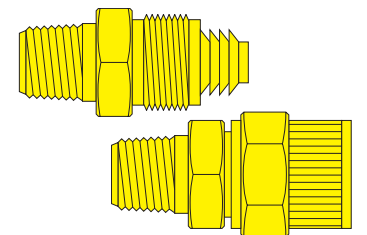
NPT	Tube OD	Part Numbers					Dimensions (Reference)		
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C FLOW
5/16-24	1/4	2664-PN	2664-PN-SS	2664-PN-316SS	2664-PN-AL	2664-PN-NP	.970	1/2	.156
1/16	.096	2669-PN	2669-PN-SS	2669-PN-316SS	2669-PN-AL	2669-PN-NP	.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



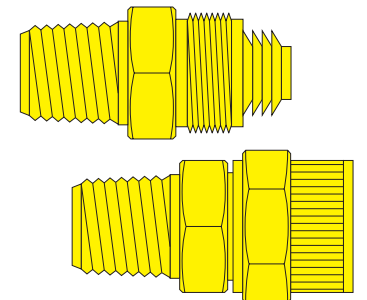
2672-PN



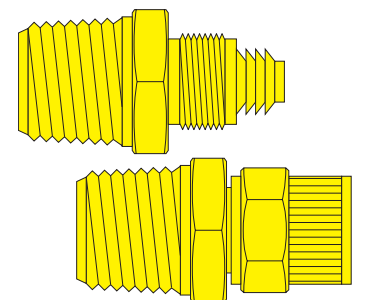
2673-PN



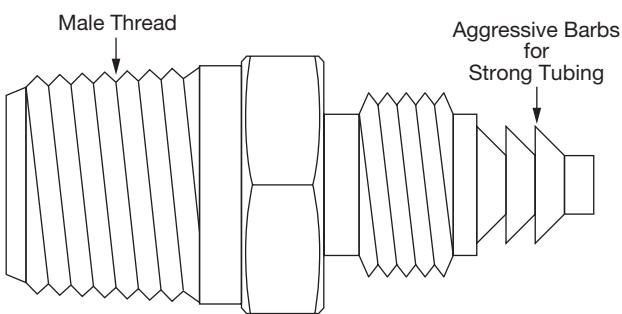
2675-PN



2682-PN

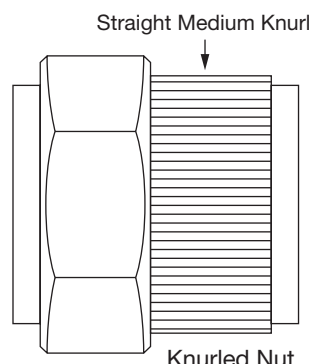


2687-PN



Body

Unassembled Components



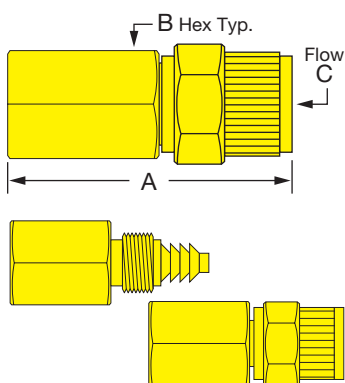
Knurled Nut

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

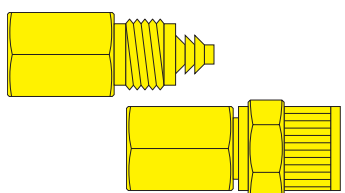


Tube to Female Thread PTF for Strong Tubing

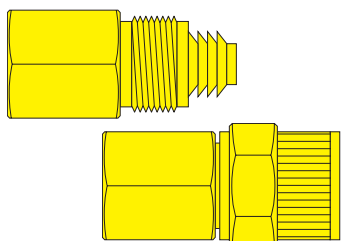
848



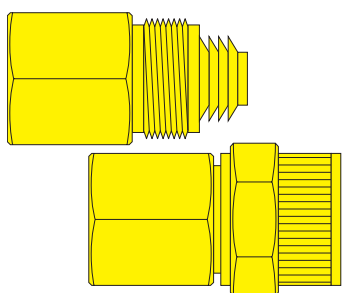
2672F-PN



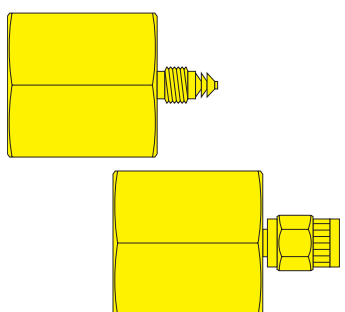
2673F-PN



2675F-PN



2676F-PN



2683F

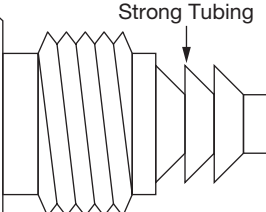
Female Thread	Tube OD	Part Numbers					Dimensions (Reference)		
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C FLOW
5/16-24	1/4	2664F-PN	2664F-PN-SS	2664F-PN-316SS	2664F-PN-AL	2664F-PN-NP	.970	1/2	.156
1/16	.096	2669F-PN	2669F-PN-SS	2669F-PN-316SS	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	1 1/9	.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	1 1/16	.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	1 1/16	.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	1 1/16	.234
3/8	1/2	2688F-PN	2688F-PN-SS	2688F-PN-316SS	2688F-PN-AL	2688F-PN-NP	1.468	1 1/16	.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



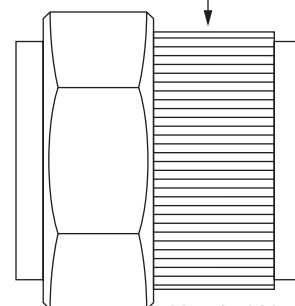
Body

Aggressive Barbs for Strong Tubing



Unassembled Components

Straight Medium Knurl



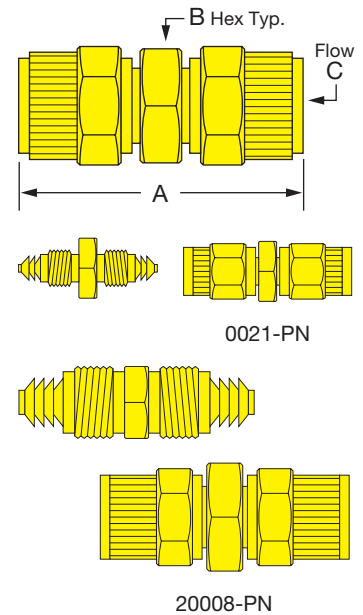
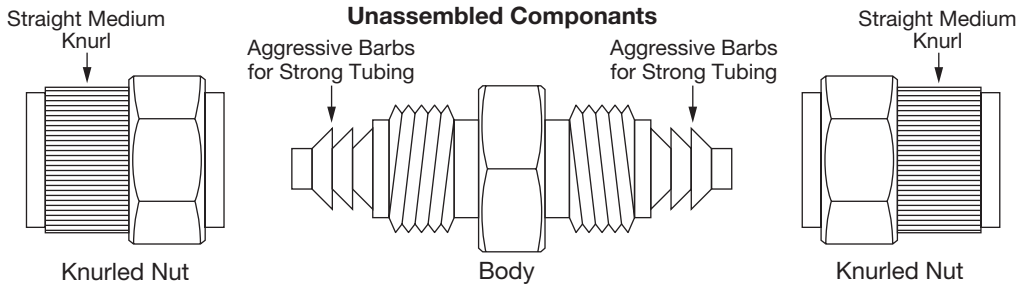
Knurled Nut

Metric Sizes Available!
Consult Factory for Details!

849

Tube to Male Thread 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

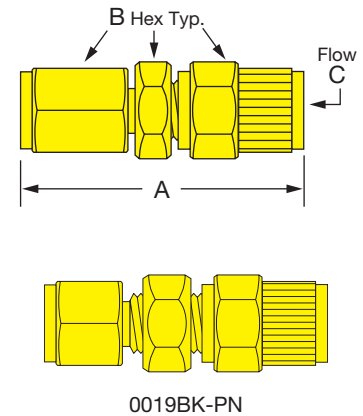
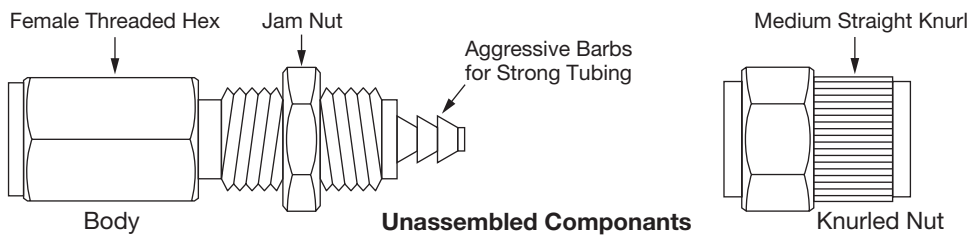


Note: Images are for visual representation only; not intended for dimensional measurements.

850

Miniature Bulkhead - Female Thread to Tube PTF for Strong Tubing

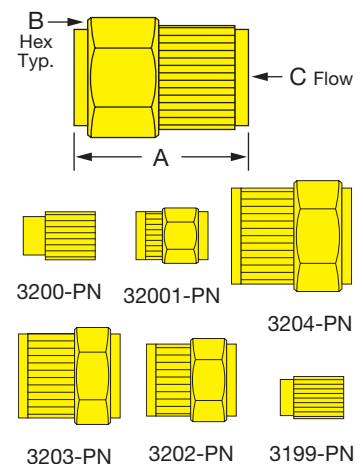
Female Thread	Tube OD	Part Numbers					Dimensions (Reference)		
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C FLOW
10-32	1/4	0019BK	0019BK-PN-SS	0019BK-PN-316SS	0019BK-PN-AL	0019BK-PN-NP	1.46	7/16	.156

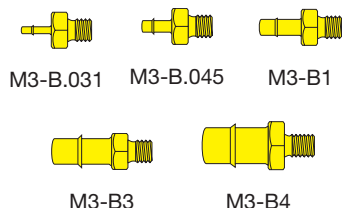
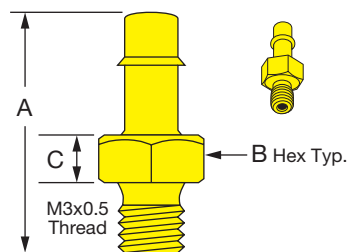


851

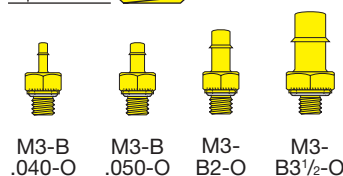
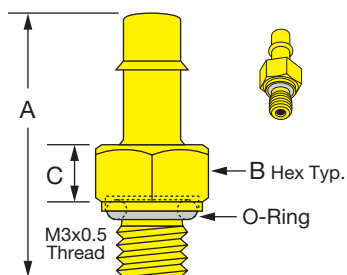
Straight Knurled Nuts

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	1 1/16	.508



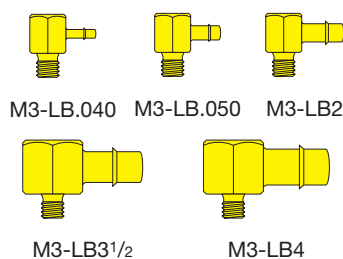
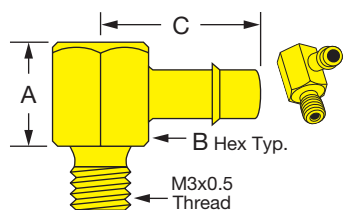
**M3x0.5 Thread to Tube****852**

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	.523	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	.523	1/4	.085
.170	M3-B4	M3-B4-SS	M3-B4-316SS	M3-B4-AL	M3-B4-NP	.544	1/4	.085

M3x0.5 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	.376	3/16	.095
.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	.376	3/16	.095
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	.376	3/16	.095
.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	.376	3/16	.095
1/16	M3-B1-O	M3-B1-O-SS	M3-B1-O-316SS	M3-B1-O-AL	M3-B1-O-NP	.439	3/16	.095
5/64 / 2mm	M3-B2-O	M3-B2-O-SS	M3-B2-O-316SS	M3-B2-O-AL	M3-B2-O-NP	.439	3/16	.095
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	.439	3/16	.095
1/8	M3-B3-O	M3-B3-O-SS	M3-B3-O-316SS	M3-B3-O-AL	M3-B3-O-NP	.533	3/16	.095
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	.533	1/4	.095
.170	M3-B4-O	M3-B4-O-SS	M3-B4-O-316SS	M3-B4-O-AL	M3-B4-O-NP	.554	1/4	.095

M3x0.5 Thread to Elbows**854**

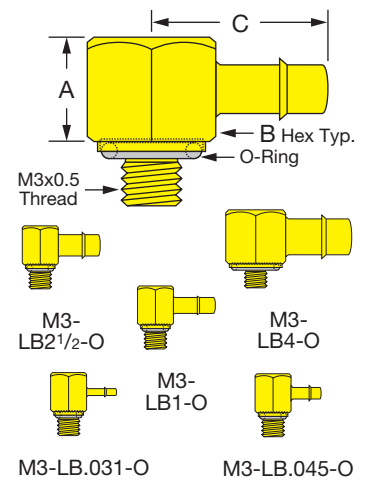
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	M3-LB.031	M3-LB.031-SS	M3-LB.031-316SS	M3-LB.031-NP	13/64	3/16	1/4
.040 / 1mm	M3-LB.040	M3-LB.040-SS	M3-LB.040-316SS	M3-LB.040-NP	13/64	3/16	1/4
3/64	M3-LB.045	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

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

855

M3x0.5 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	3/16	1/4
.040 / 1mm	M3-LB.040-O	M3-LB.040-O-SS	M3-LB.040-O-316SS	M3-LB.040-O-NP	13/64	3/16	1/4
3/64	M3-LB.045	M3-LB.045-O-SS	M3-LB.045-O-316SS	M3-LB.045-O-NP	13/64	3/16	1/4
.050	M3-LB.050-O	M3-LB.050-O-SS	M3-LB.050-O-316SS	M3-LB.050-O-NP	13/64	3/16	1/4
1/16	M3-LB1-O	M3-LB1-O-SS	M3-LB1-O-316SS	M3-LB1-O-NP	13/64	3/16	5/16
5/64 / 2mm	M3-LB2-O	M3-LB2-O-SS	M3-LB2-O-316SS	M3-LB2-O-NP	13/64	3/16	5/16
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	3/16	5/16
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

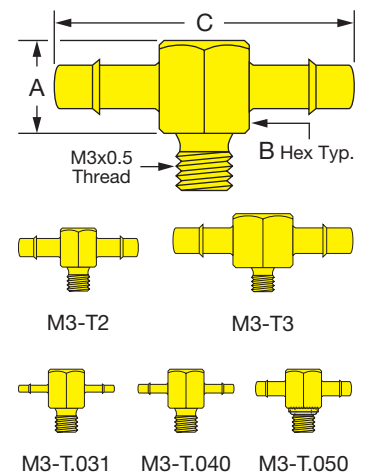


O-Ring options listed on page 65!

856

M3x0.5 Thread to 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	M3-T.031	M3-T.031-SS	M3-T.031-316SS	M3-T.031-NP	13/64	3/16	1/2
.040 / 1mm	M3-T.040	M3-T.040-SS	M3-T.040-316SS	M3-T.040-NP	13/64	3/16	1/2
3/64	M3-T.045	M3-T.045-SS	M3-T.045-316SS	M3-T.045-NP	13/64	3/16	1/2
.050	M3-T.050	M3-T.050-SS	M3-T.050-316SS	M3-T.050-NP	13/64	3/16	1/2
1/16	M3-T1	M3-T1-SS	M3-T1-316SS	M3-T1-NP	13/64	3/16	5/8
5/64 / 2mm	M3-T2	M3-T2-SS	M3-T2-316SS	M3-T2-NP	13/64	3/16	5/8
3/32	M3-T2 1/2	M3-T2 1/2-SS	M3-T2 1/2-316SS	M3-T2 1/2-NP	13/64	3/16	5/8
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

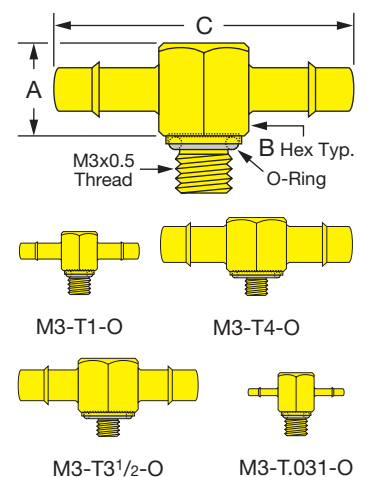


M4 Threads also available!

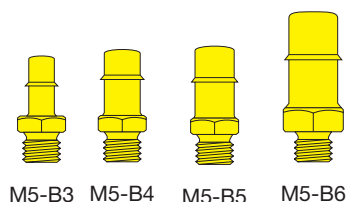
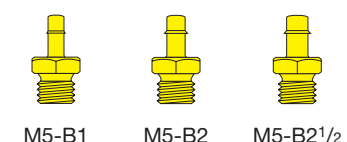
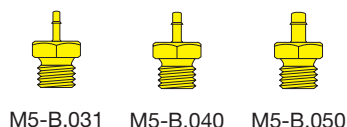
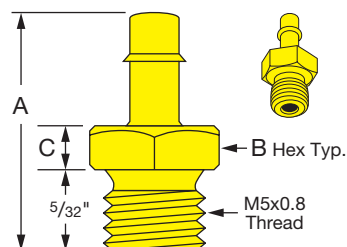
857

M3x0.5 Thread to Tees with O-Ring Seal Installed

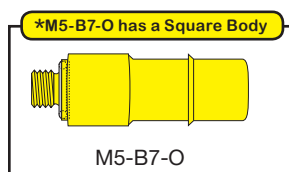
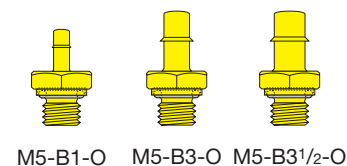
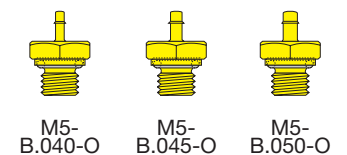
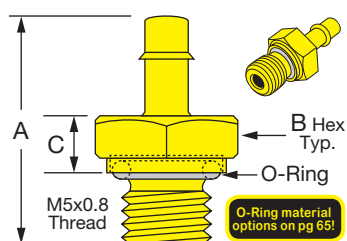
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	M3-T.031-O	M3-T.031-O-SS	M3-T.031-O-316SS	M3-T.031-O-NP	13/64	3/16	1/2
.040 / 1mm	M3-T.040-O	M3-T.040-O-SS	M3-T.040-O-316SS	M3-T.040-O-NP	13/64	3/16	1/2
3/64	M3-T.045	M3-T.045-O-SS	M3-T.045-O-316SS	M3-T.045-O-NP	13/64	3/16	1/2
.050	M3-T.050-O	M3-T.050-O-SS	M3-T.050-O-316SS	M3-T.050-O-NP	13/64	3/16	1/2
1/16	M3-T1-O	M3-T1-O-SS	M3-T1-O-316SS	M3-T1-O-NP	13/64	3/16	5/8
5/64 / 2mm	M3-T2-O	M3-T2-O-SS	M3-T2-O-316SS	M3-T2-O-NP	13/64	3/16	5/8
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	3/16	5/8
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



O-Ring options listed on page 65!

**M5x0.8 Thread to Tube****858**

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	35/64	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	1/8
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	1/8
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

M5x0.8 Thread to Tube with O-Ring Seal Installed**859**

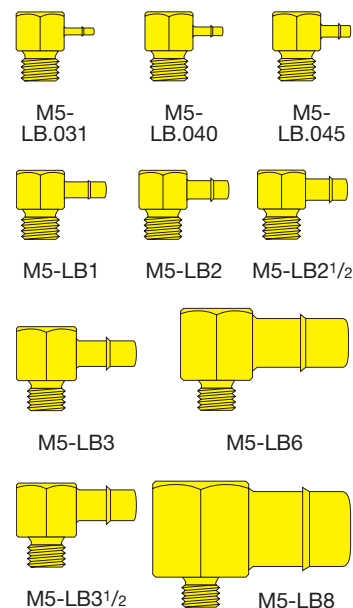
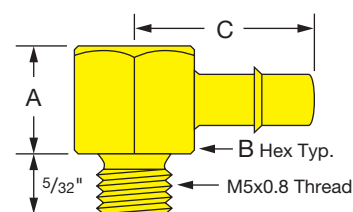
Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	M5-B.031-O	M5-B.031-O-SS	M5-B.031-O-316SS	M5-B.031-O-AL	M5-B.031-O-NP	7/16	5/16	1/8
.040 / 1mm	M5-B.040-O	M5-B.040-O-SS	M5-B.040-O-316SS	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	1/2	7/16	1/8

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

860

M5x0.8 Thread to Tube Elbows

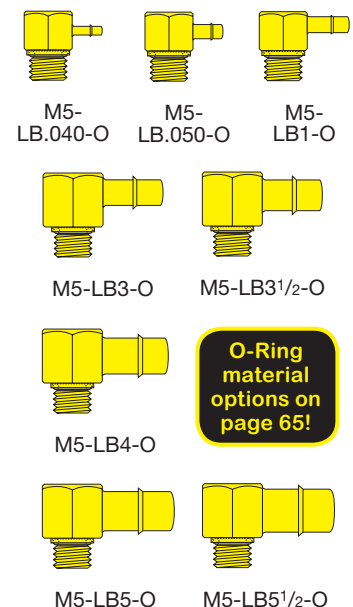
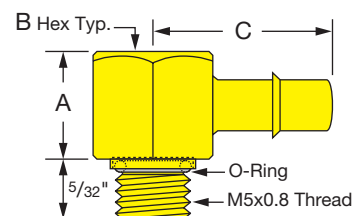
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	M5-LB.031	M5-LB.031-SS	M5-LB.031-316SS	M5-LB.031-NP	13/64	1/4	9/32
.040 / 1mm	M5-LB.040	M5-LB.040-SS	M5-LB.040-316SS	M5-LB.040-NP	13/64	1/4	9/32
3/64	M5-LB.045	M5-LB.045-SS	M5-LB.045-316SS	M5-LB.045-NP	13/64	1/4	9/32
.050	M5-LB.050	M5-LB.050-SS	M5-LB.050-316SS	M5-LB.050-NP	13/64	1/4	9/32
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
7/32	M5-LB5 1/2	M5-LB5 1/2-SS	M5-LB5 1/2-316SS	M5-LB5 1/2-NP	9/32	5/16	17/32
6mm	M5-LB5 3/4	M5-LB5 3/4-SS	M5-LB5 3/4-316SS	M5-LB5 3/4-NP	3/8	3/8	1 1/16
1/4	M5-LB6	M5-LB6-SS	M5-LB6-316SS	M5-LB6-NP	3/8	3/8	1 1/16
5/16 / 8mm	M5-LB7	M5-LB7-SS	M5-LB7-316SS	M5-LB7-NP	1/2	1/2	7/8
3/8	M5-LB8	M5-LB8-SS	M5-LB8-316SS	M5-LB8-NP	1/2	1/2	25/32

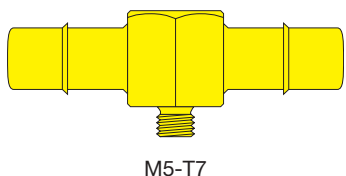
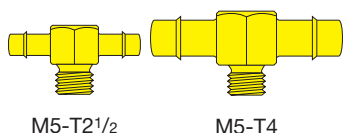
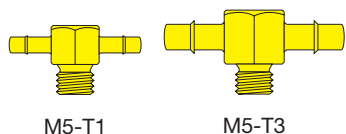
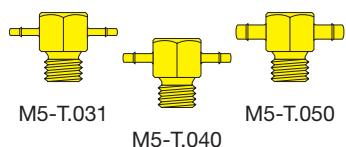
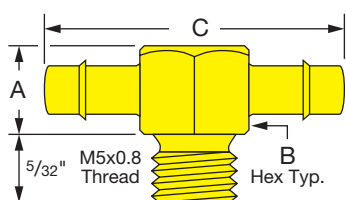


861

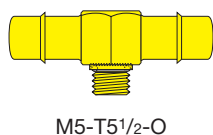
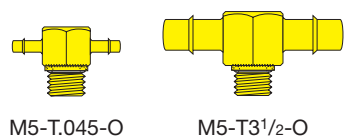
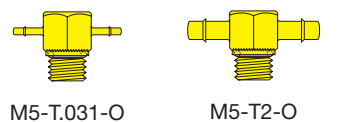
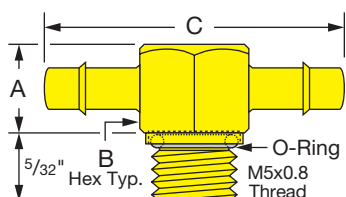
M5x0.8 Thread to Tube Elbows with O-Ring Seal Installed

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	M5-LB.031-O	M5-LB.031-O-SS	M5-LB.031-O-316SS	M5-LB.031-O-NP	13/64	1/4	9/32
.040 / 1mm	M5-LB.040-O	M5-LB.040-O-SS	M5-LB.040-O-316SS	M5-LB.040-O-NP	13/64	1/4	9/32
3/64	M5-LB.045-O	M5-LB.045-O-SS	M5-LB.045-O-316SS	M5-LB.045-O-NP	13/64	1/4	9/32
.050	M5-LB.050-O	M5-LB.050-O-SS	M5-LB.050-O-316SS	M5-LB.050-O-NP	13/64	1/4	9/32
1/16	M5-LB1-O	M5-LB1-O-SS	M5-LB1-O-316SS	M5-LB1-O-NP	13/64	1/4	11/32
5/64 / 2mm	M5-LB2-O	M5-LB2-O-SS	M5-LB2-O-316SS	M5-LB2-O-NP	13/64	1/4	11/32
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	13/64	1/4	11/32
1/8	M5-LB3-O	M5-LB3-O-SS	M5-LB3-O-316SS	M5-LB3-O-NP	9/32	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	9/32	5/16	15/32
.170	M5-LB4-O	M5-LB4-O-SS	M5-LB4-O-316SS	M5-LB4-O-NP	9/32	5/16	1/2
3/16	M5-LB5-O	M5-LB5-O-SS	M5-LB5-O-316SS	M5-LB5-O-NP	9/32	5/16	17/32
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	9/32	5/16	17/32
6mm	M5-LB5 3/4-O	M5-LB5 3/4-O-SS	M5-LB5 3/4-O-316SS	M5-LB5 3/4-O-NP	3/8	3/8	1 1/16
1/4	M5-LB6-O	M5-LB6-O-SS	M5-LB6-O-316SS	M5-LB6-O-NP	3/8	3/8	1 1/16
5/16 / 8mm	M5-LB7-O	M5-LB7-O-SS	M5-LB7-O-316SS	M5-LB7-O-NP	1/2	1/2	7/8
3/8	M5-LB8-O	M5-LB8-O-SS	M5-LB8-O-316SS	M5-LB8-O-NP	1/2	1/2	25/32



**M5x0.8 Thread to Tube Tees****862**

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-T.031	M5-T.031-SS	M5-T.031-316SS	M5-T.031-AL	M5-T.031-NP	13/64	1/4	9/16
.040 / 1mm	M5-T.040	M5-T.040-SS	M5-T.040-316SS	M5-T.040-AL	M5-T.040-NP	13/64	1/4	9/16
3/64	M5-T.045	M5-T.045-SS	M5-T.045-316SS	M5-T.045-AL	M5-T.045-NP	13/64	1/4	9/16
.050	M5-T.050	M5-T.050-SS	M5-T.050-316SS	M5-T.050-AL	M5-T.050-NP	13/64	1/4	9/16
1/16	M5-T1	M5-T1-SS	M5-T1-316SS	M5-T1-AL	M5-T1-NP	13/64	1/4	11/16
5/64 / 2mm	M5-T2	M5-T2-SS	M5-T2-316SS	M5-T2-AL	M5-T2-NP	13/64	1/4	11/16
3/32	M5-T2 1/2	M5-T2 1/2-SS	M5-T2 1/2-316SS	M5-T2 1/2-AL	M5-T2 1/2-NP	13/64	1/4	11/16
1/8	M5-T3	M5-T3-SS	M5-T3-316SS	M5-T3-AL	M5-T3-NP	9/32	5/16	15/16
5/32 / 4mm	M5-T3 1/2	M5-T3 1/2-SS	M5-T3 1/2-316SS	M5-T3 1/2-AL	M5-T3 1/2-NP	9/32	5/16	15/16
.170	M5-T4	M5-T4-SS	M5-T4-316SS	M5-T4-AL	M5-T4-NP	9/32	5/16	1
3/16	M5-T5	M5-T5-SS	M5-T5-316SS	M5-T5-AL	M5-T5-NP	9/32	5/16	1 1/16
7/32	M5-T5 1/2	M5-T5 1/2-SS	M5-T5 1/2-316SS	M5-T5 1/2-AL	M5-T5 1/2-NP	9/32	5/16	1 1/16
6mm	M5-T5 3/4	M5-T5 3/4-SS	M5-T5 3/4-316SS	M5-T5 3/4-AL	M5-T5 3/4-NP	3/8	3/8	1 3/8
1/4	M5-T6	M5-T6-SS	M5-T6-316SS	M5-T6-AL	M5-T6-NP	3/8	3/8	1 3/8
5/16 / 8mm	M5-T7	M5-T7-SS	M5-T7-316SS	M5-T7-AL	M5-T7-NP	1/2	1/2	1 3/4
3/8	M5-T8	M5-T8-SS	M5-T8-316SS	M5-T8-AL	M5-T8-NP	1/2	1/2	1 9/16

M5x0.8 Thread to Tube Tees with O-Ring Seal Installed**863**

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	13/64	1/4	9/16
.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	13/64	1/4	9/16
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	13/64	1/4	9/16
.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	13/64	1/4	9/16
1/16	M5-B1-O	M5-B1-O-SS	M5-B1-O-316SS	M5-B1-O-AL	M5-B1-O-NP	13/64	1/4	11/16
5/64 / 2mm	M5-B2-O	M5-B2-O-SS	M5-B2-O-316SS	M5-B2-O-AL	M5-B2-O-NP	13/64	1/4	11/16
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	13/64	1/4	11/16
1/8	M5-B3-O	M5-B3-O-SS	M5-B3-O-316SS	M5-B3-O-AL	M5-B3-O-NP	9/32	5/16	15/16
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	9/32	5/16	15/16
.170	M5-B4-O	M5-B4-O-SS	M5-B4-O-316SS	M5-B4-O-AL	M5-B4-O-NP	9/32	5/16	1
3/16	M5-B5-O	M5-B5-O-SS	M5-B5-O-316SS	M5-B5-O-AL	M5-B5-O-NP	9/32	5/16	1 1/16
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	9/32	5/16	1 1/16
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	3/8	3/8	1 3/8
1/4	M5-B6-O	M5-B6-O-SS	M5-B6-O-316SS	M5-B6-O-AL	M5-B6-O-NP	3/8	3/8	1 3/8
5/16 / 8mm	M5-B7-O	M5-B7-O-SS	M5-B7-O-316SS	M5-B7-O-AL	M5-B7-O-NP	1/2	1/2	1 3/4
3/8	M5-B8-O	M5-B8-O-SS	M5-B8-O-316SS	M5-B8-O-AL	M5-B8-O-NP	1/2	1/2	1 9/16

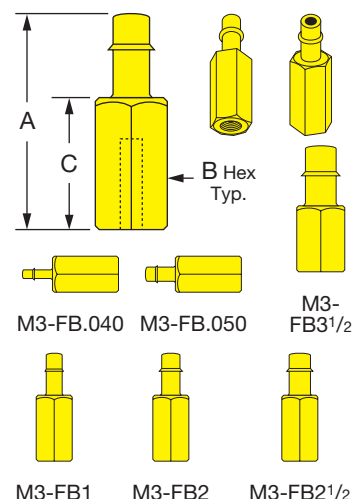
K2

O-Ring material options listed on page 65!**M4 Threads also available!**

864

M3x0.5 Female Thread to Tube

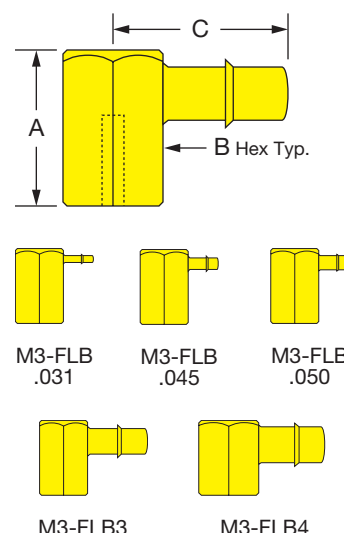
Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	M3-FB.031	M3-FB.031-SS	M3-FB.031-316SS	M3-FB.031-AL	M3-FB.031-NP	1/2	3/16	1 1/32
.040 / 1mm	M3-FB.040	M3-FB.040-SS	M3-FB.040-316SS	M3-FB.040-AL	M3-FB.040-NP	1/2	3/16	1 1/32
3/64	M3-FB.045	M3-FB.045-SS	M3-FB.045-316SS	M3-FB.045-AL	M3-FB.045-NP	1/2	3/16	1 1/32
.050	M3-FB.050	M3-FB.050-SS	M3-FB.050-316SS	M3-FB.050-AL	M3-FB.050-NP	1/2	3/16	1 1/32
1/16	M3-FB1	M3-FB1-SS	M3-FB1-316SS	M3-FB1-AL	M3-FB1-NP	9/16	3/16	1 1/32
5/64 / 2mm	M3-FB2	M3-FB2-SS	M3-FB2-316SS	M3-FB2-AL	M3-FB2-NP	9/16	3/16	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	3/16	1 1/32
1/8	M3-FB3	M3-FB3-SS	M3-FB3-316SS	M3-FB3-AL	M3-FB3-NP	2 1/32	1/4	2 5/64
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	2 5/64
.170	M3-FB4	M3-FB4-SS	M3-FB4-316SS	M3-FB4-AL	M3-FB4-NP	2 1/32	1/4	2 5/64



865

M3x0.5 Female Thread to Elbows

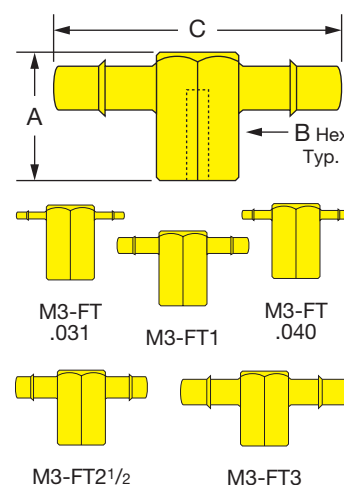
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	M3-FLB.031	M3-FLB.031-SS	M3-FLB.031-316SS	M3-FLB.031-NP	2 5/64	1/4	9/32
.040 / 1mm	M3-FLB.040	M3-FLB.040-SS	M3-FLB.040-316SS	M3-FLB.040-NP	2 5/64	1/4	9/32
3/64	M3-FLB.045	M3-FLB.045-SS	M3-FLB.045-316SS	M3-FLB.045-NP	2 5/64	1/4	9/32
.050	M3-FLB.050	M3-FLB.050-SS	M3-FLB.050-316SS	M3-FLB.050-NP	2 5/64	1/4	9/32
1/16	M3-FLB1	M3-FLB1-SS	M3-FLB1-316SS	M3-FLB1-NP	2 5/64	1/4	1 1/32
5/64 / 2mm	M3-FLB2	M3-FLB2-SS	M3-FLB2-316SS	M3-FLB2-NP	2 5/64	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	2 5/64	1/4	1 1/32
1/8	M3-FLB3	M3-FLB3-SS	M3-FLB3-316SS	M3-FLB3-NP	2 5/64	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	2 5/64	1/4	7/16
.170	M3-FLB4	M3-FLB4-SS	M3-FLB4-316SS	M3-FLB4-NP	2 5/64	1/4	1 5/32



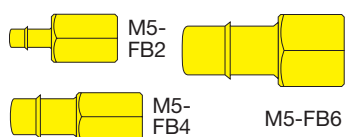
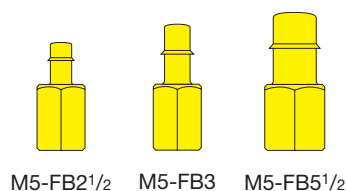
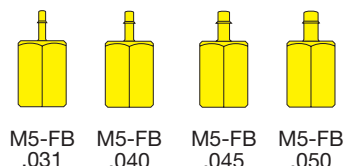
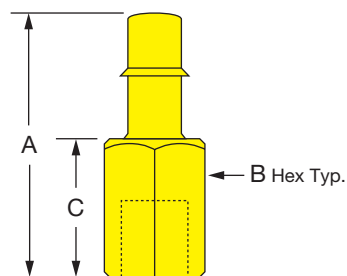
866

M3x0.5 Female Thread to Tees

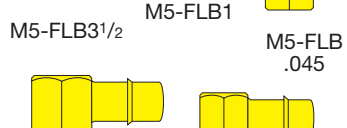
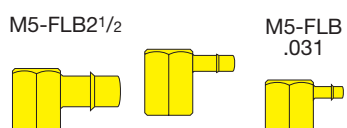
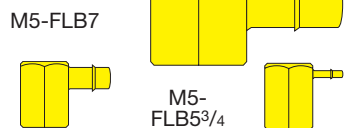
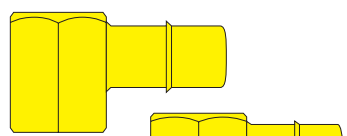
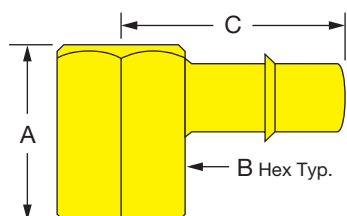
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	M3-FT.031	M3-FT.031-SS	M3-FT.031-316SS	M3-FT.031-NP	2 5/64	1/4	9/16
.040 / 1mm	M3-FT.040	M3-FT.040-SS	M3-FT.040-316SS	M3-FT.040-NP	2 5/64	1/4	9/16
3/64	M3-FT.045	M3-FT.045-SS	M3-FT.045-316SS	M3-FT.045-NP	2 5/64	1/4	9/16
.050	M3-FT.050	M3-FT.050-SS	M3-FT.050-316SS	M3-FT.050-NP	2 5/64	1/4	9/16
1/16	M3-FT1	M3-FT1-SS	M3-FT1-316SS	M3-FT1-NP	2 5/64	1/4	1 1/16
5/64 / 2mm	M3-FT2	M3-FT2-SS	M3-FT2-316SS	M3-FT2-NP	2 5/64	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	2 5/64	1/4	1 1/16
1/8	M3-FT3	M3-FT3-SS	M3-FT3-316SS	M3-FT3-NP	2 5/64	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	2 5/64	1/4	7/8
.170	M3-FT4	M3-FT4-SS	M3-FT4-316SS	M3-FT4-NP	2 5/64	1/4	1



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

**M5x0.8 Female Thread to Tube****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.
1/32	M5-FB.031	M5-FB.031-SS	M5-FB.031-316SS	M5-FB.031-AL	M5-FB.031-NP	1/2	1/4	1 1/32
.040 / 1mm	M5-FB.040	M5-FB.040-SS	M5-FB.040-316SS	M5-FB.040-AL	M5-FB.040-NP	1/2	1/4	1 1/32
3/64	M5-FB.045	M5-FB.045-SS	M5-FB.045-316SS	M5-FB.045-AL	M5-FB.045-NP	1/2	1/4	1 1/32
.050	M5-FB.050	M5-FB.050-SS	M5-FB.050-316SS	M5-FB.050-AL	M5-FB.050-NP	1/2	1/4	1 1/32
1/16	M5-FB1	M5-FB1-SS	M5-FB1-316SS	M5-FB1-AL	M5-FB1-NP	9/16	1/4	1 1/32
5/64 / 2mm	M5-FB2	M5-FB2-SS	M5-FB2-316SS	M5-FB2-AL	M5-FB2-NP	9/16	1/4	1 1/32
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	1 1/32
1/8	M5-FB3	M5-FB3-SS	M5-FB3-316SS	M5-FB3-AL	M5-FB3-NP	2 1/32	1/4	1 1/32
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	2 1/32	1/4	1 1/32
.170	M5-FB4	M5-FB4-SS	M5-FB4-316SS	M5-FB4-AL	M5-FB4-NP	2 1/32	1/4	1 1/32
3/16	M5-FB5	M5-FB5-SS	M5-FB5-316SS	M5-FB5-AL	M5-FB5-NP	2 3/32	7/16	1 1/32
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	2 3/32	7/16	1 1/32
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	2 7/32	3/8	1 1/32
1/4	M5-FB6	M5-FB6-SS	M5-FB6-316SS	M5-FB6-AL	M5-FB6-NP	2 7/32	3/8	1 1/32
5/16 / 8mm	M5-FB7	M5-FB7-SS	M5-FB7-316SS	M5-FB7-AL	M5-FB7-NP	3 1/32	1/2	1 1/32
3/8	M5-FB8	M5-FB8-SS	M5-FB8-316SS	M5-FB8-AL	M5-FB8-NP	7/8	1/2	1 1/32

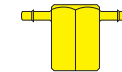
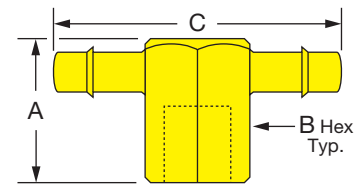
M5x0.8 Female Thread to Tube Elbows**868**

Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	M5-FLB.031	M5-FLB.031-SS	M5-FLB.031-316SS	M5-FLB.031-NP	1 1/32	1/4	9/32
.040 / 1mm	M5-FLB.040	M5-FLB.040-SS	M5-FLB.040-316SS	M5-FLB.040-NP	1 1/32	1/4	9/32
3/64	M5-FLB.045	M5-FLB.045-SS	M5-FLB.045-316SS	M5-FLB.045-NP	1 1/32	1/4	9/32
.050	M5-FLB.050	M5-FLB.050-SS	M5-FLB.050-316SS	M5-FLB.050-NP	1 1/32	1/4	9/32
1/16	M5-FLB1	M5-FLB1-SS	M5-FLB1-316SS	M5-FLB1-NP	1 1/32	1/4	1 1/32
5/64 / 2mm	M5-FLB2	M5-FLB2-SS	M5-FLB2-316SS	M5-FLB2-NP	1 1/32	1/4	1 1/32
3/32	M5-FLB2 1/2	M5-FLB2 1/2-SS	M5-FLB2 1/2-316SS	M5-FLB2 1/2-NP	1 1/32	1/4	1 1/32
1/8	M5-FLB3	M5-FLB3-SS	M5-FLB3-316SS	M5-FLB3-NP	1 1/32	1/4	1 5/32
5/32 / 4mm	M5-FLB3 1/2	M5-FLB3 1/2-SS	M5-FLB3 1/2-316SS	M5-FLB3 1/2-NP	1 1/32	1/4	1 5/32
.170	M5-FLB4	M5-FLB4-SS	M5-FLB4-316SS	M5-FLB4-NP	1 1/32	1/4	1/2
3/16	M5-FLB5	M5-FLB5-SS	M5-FLB5-316SS	M5-FLB5-NP	7/16	5/16	1 7/32
7/32	M5-FLB5 1/2	M5-FLB5 1/2-SS	M5-FLB5 1/2-316SS	M5-FLB5 1/2-NP	7/16	5/16	1 7/32
6mm	M5-FLB5 3/4	M5-FLB5 3/4-SS	M5-FLB5 3/4-316SS	M5-FLB5 3/4-NP	1/2	1/2	1 1/16
1/4	M5-FLB6	M5-FLB6-SS	M5-FLB6-316SS	M5-FLB6-NP	1/2	1/2	1 1/16
5/16 / 8mm	M5-FLB7	M5-FLB7-SS	M5-FLB7-316SS	M5-FLB7-NP	5/8	1/2	7/8
3/8	M5-FLB8	M5-FLB8-SS	M5-FLB8-316SS	M5-FLB8-NP	5/8	1/2	2 5/32

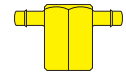
869

M5x0.8 Female Thread to Tube Tees

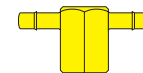
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	M5-FT.031	M5-FT.031-SS	M5-FT.031-316SS	M5-FT.031-NP	1 1/32	1/4	9/16
.040 / 1mm	M5-FT.040	M5-FT.040-SS	M5-FT.040-316SS	M5-FT.040-NP	1 1/32	1/4	9/16
3/64	M5-FT.045	M5-FT.045-SS	M5-FT.045-316SS	M5-FT.045-NP	1 1/32	1/4	9/16
.050	M5-FT.050	M5-FT.050-SS	M5-FT.050-316SS	M5-FT.050-NP	1 1/32	1/4	9/16
1/16	M5-FT1	M5-FT1-SS	M5-FT1-316SS	M5-FT1-NP	1 1/32	1/4	11/16
5/64 / 2mm	M5-FT2	M5-FT2-SS	M5-FT2-316SS	M5-FT2-NP	1 1/32	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	1 1/32	1/4	11/16
1/8	M5-FT3	M5-FT3-SS	M5-FT3-316SS	M5-FT3-NP	1 1/32	1/4	15/16
5/32 / 4mm	M5-FT3 1/2	M5-FT3 1/2-SS	M5-FT3 1/2-316SS	M5-FT3 1/2-NP	1 1/32	1/4	15/16
.170	M5-FT4	M5-FT4-SS	M5-FT4-316SS	M5-FT4-NP	1 1/32	1/4	1
3/16	M5-FT5	M5-FT5-SS	M5-FT5-316SS	M5-FT5-NP	7/16	5/16	1 1/16
7/32	M5-FT5 1/2	M5-FT5 1/2-SS	M5-FT5 1/2-316SS	M5-FT5 1/2-NP	7/16	5/16	1 1/16
6mm	M5-FT5 3/4	M5-FT5 3/4-SS	M5-FT5 3/4-316SS	M5-FT5 3/4-NP	1/2	1/2	1 3/8
1/4	M5-FT6	M5-FT6-SS	M5-FT6-316SS	M5-FT6-NP	1/2	1/2	1 3/8
5/16 / 8mm	M5-FT7	M5-FT7-SS	M5-FT7-316SS	M5-FT7-NP	5/8	1/2	1 3/4
3/8	M5-FT8	M5-FT8-SS	M5-FT8-316SS	M5-FT8-NP	5/8	1/2	1 9/16



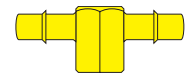
M5-FT.040



M5-FT.050



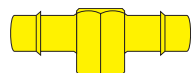
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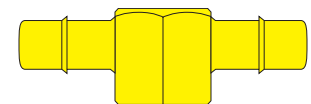
M5-FT3



M5-FT2

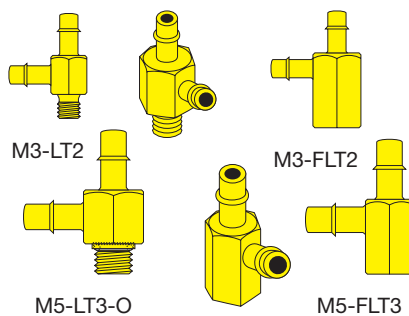
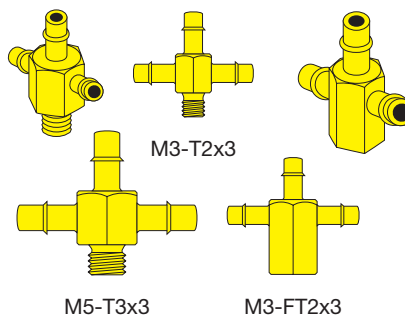
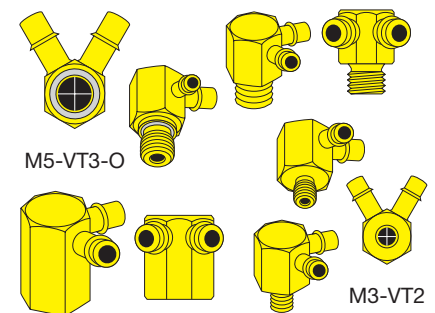
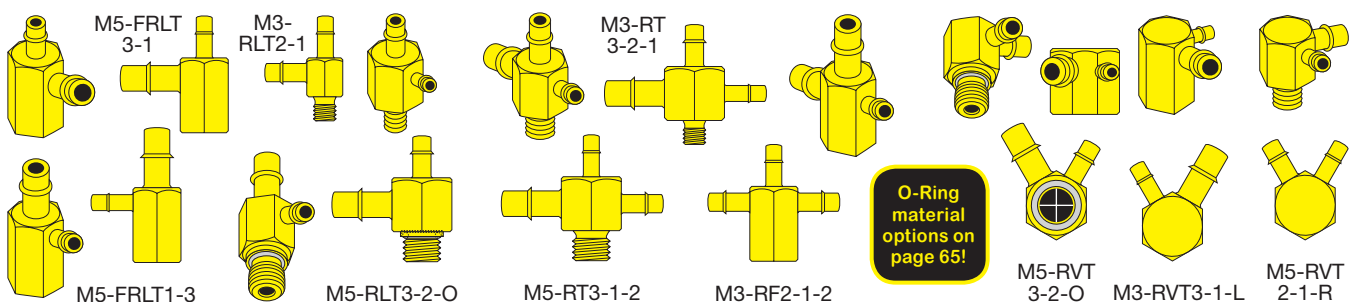


M5-FT4

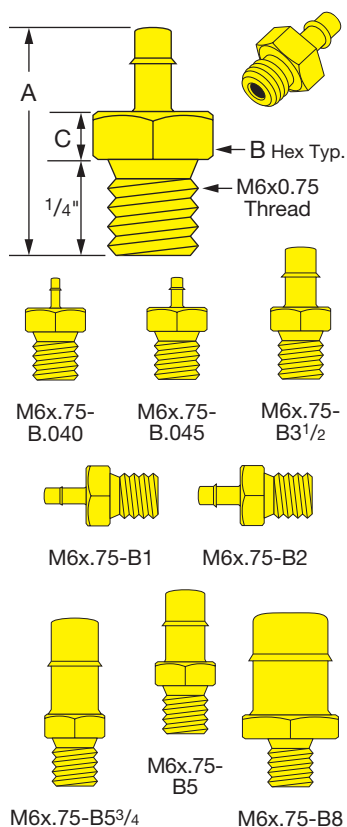


M5-FT6

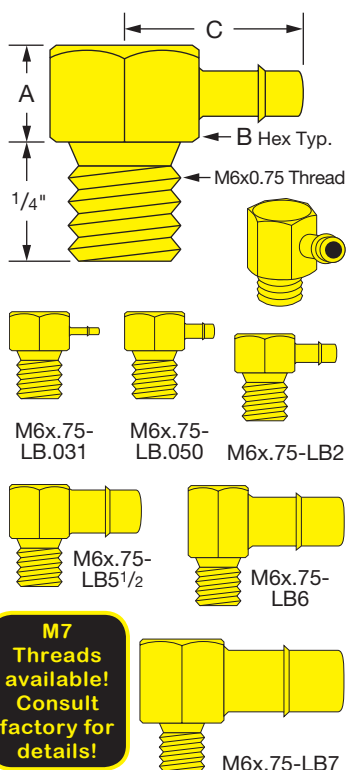
Note: Images are for visual representation only; not intended for dimensional measurements.

Specialty Custom Mini Fittings Available Upon Request**Mini Metric Thread L-Tees****Mini Metric Thread Tee x 3****Mini Metric Thread V-Tees****Mini Metric Thread Reducing Fittings**

M4 Threads also Available! Lead Times May Vary. Consult Factory for Details!

**M6x0.75 Thread to Tube****870**

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**871**

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	3/8	5/16	21/32
1/4	M6x.75-LB6	M6x.75-LB6-SS	M6x.75-LB6-316SS	M6x.75-LB6-NP	3/8	5/16	21/32
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	29/32

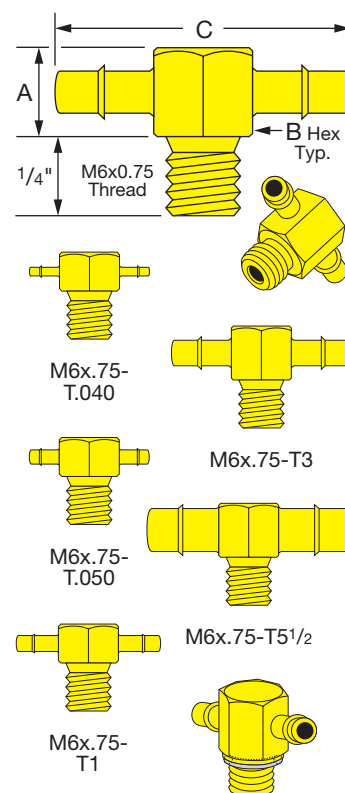
M7 Threads available! Consult factory for details!

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

872

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	3/8	5/16	1 5/16
1/4	M6x.75-T6	M6x.75-T6-SS	M6x.75-T6-316SS	M6x.75-T6-NP	3/8	5/16	1 5/16
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

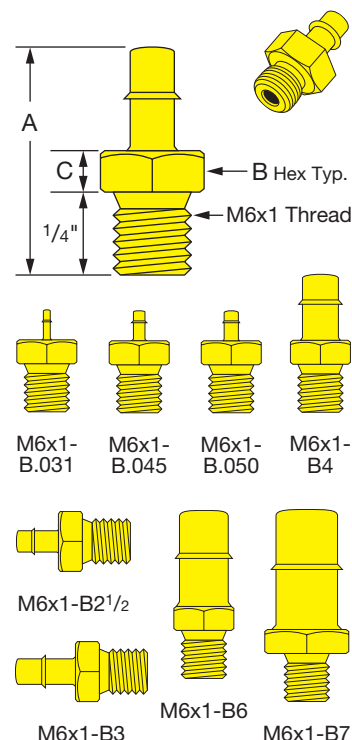


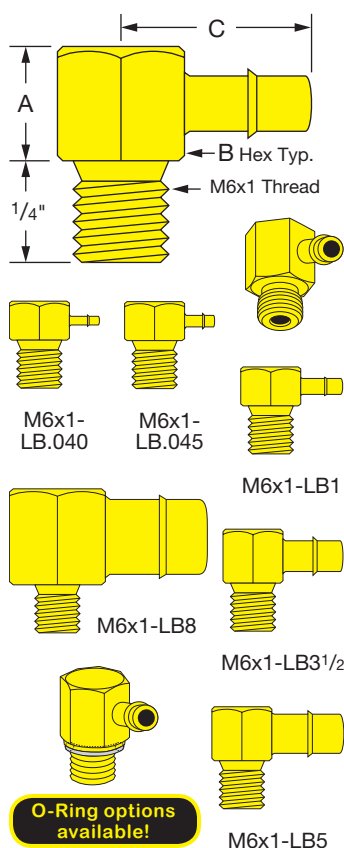
O-Ring options available!

873

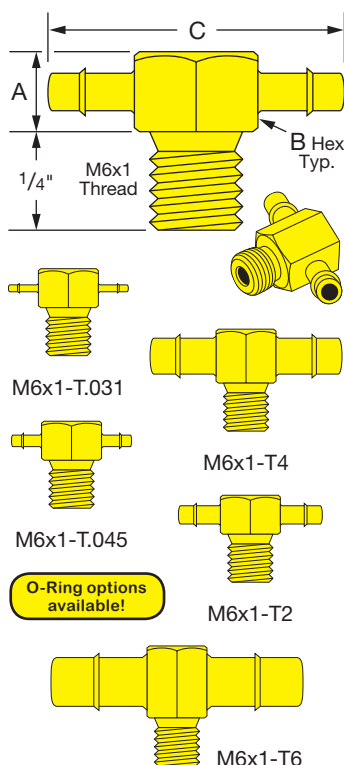
M6x1 Thread to Tube

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	11/16	5/16	1/8
5/32 / 4mm	M6x1-B3 1/2	M6x1-B3 1/2-SS	M6x1-B3 1/2-316SS	M6x1-B3 1/2-AL	M6x1-B3 1/2-NP	11/16	5/16	1/8
.170	M6x1-B4	M6x1-B4-SS	M6x1-B4-316SS	M6x1-B4-AL	M6x1-B4-NP	23/32	5/16	1/8
3/16	M6x1-B5	M6x1-B5-SS	M6x1-B5-316SS	M6x1-B5-AL	M6x1-B5-NP	3/4	5/16	1/8
7/32	M6x1-B5 1/2	M6x1-B5 1/2-SS	M6x1-B5 1/2-316SS	M6x1-B5 1/2-AL	M6x1-B5 1/2-NP	3/4	5/16	1/8
6mm	M6x1-B5 3/4	M6x1-B5 3/4-SS	M6x1-B5 3/4-316SS	M6x1-B5 3/4-AL	M6x1-B5 3/4-NP	7/8	5/16	1/8
1/4	M6x1-B6	M6x1-B6-SS	M6x1-B6-316SS	M6x1-B6-AL	M6x1-B6-NP	7/8	5/16	1/8
5/16 / 8mm	M6x1-B7	M6x1-B7-SS	M6x1-B7-316SS	M6x1-B7-AL	M6x1-B7-NP	1	7/16	1/8
3/8	M6x1-B8	M6x1-B8-SS	M6x1-B8-316SS	M6x1-B8-AL	M6x1-B8-NP	29/32	1/2	1/8

M7 Threads also available!
Consult factory for details!

**M6x1 Thread to Tube Elbows****874**

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	3/8	5/16	21/32
1/4	M6x1-LB6	M6x1-LB6-SS	M6x1-LB6-316SS	M6x1-LB6-NP	3/8	5/16	21/32
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**875**

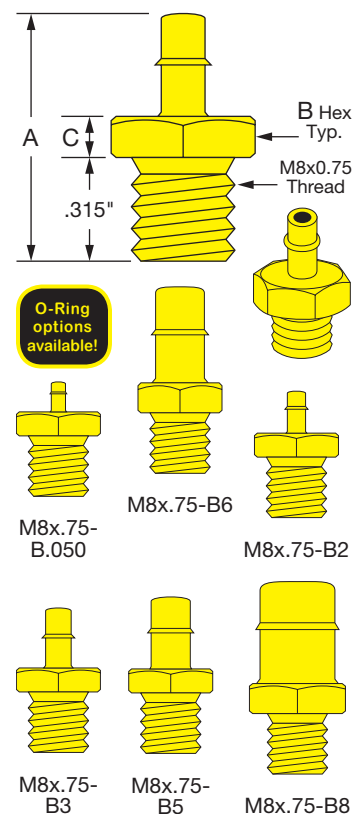
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	M6x1-T.031	M6x1-T.031-SS	M6x1-T.031-316SS	M6x1-T.031-NP	13/64	5/16	5/8
.040 / 1mm	M6x1-T.040	M6x1-T.040-SS	M6x1-T.040-316SS	M6x1-T.040-NP	13/64	5/16	5/8
3/64	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	3/8	5/16	1 5/16
1/4	M6x1-T6	M6x1-T6-SS	M6x1-T6-316SS	M6x1-T6-NP	3/8	5/16	1 5/16
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!

876

M8x0.75 Thread to Tube

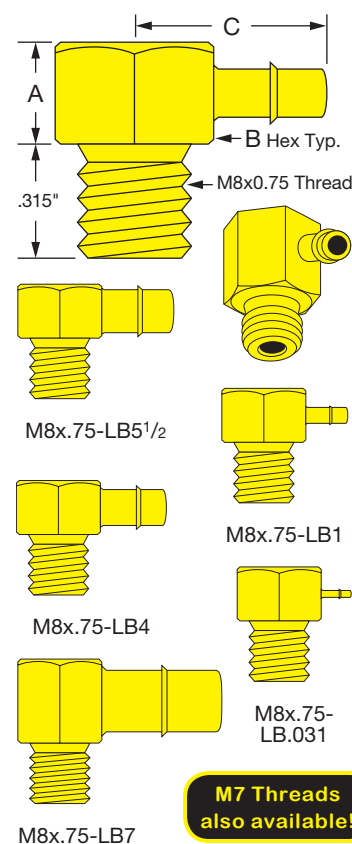
Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	M8x.75-B.031	M8x.75-B.031-SS	M8x.75-B.031-316SS	M8x.75-B.031-AL	M8x.75-B.031-NP	.569	7/16	1/8
.040 / 1mm	M8x.75-B.040	M8x.75-B.040-SS	M8x.75-B.040-316SS	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

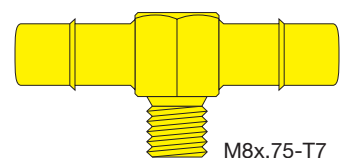
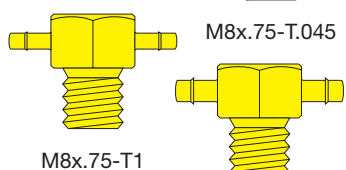
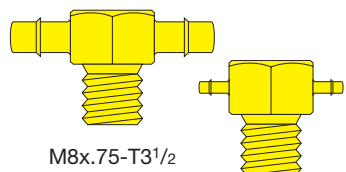
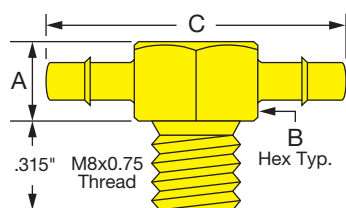


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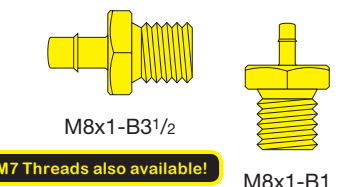
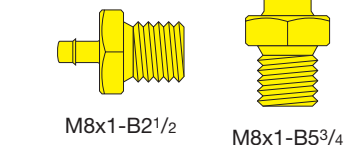
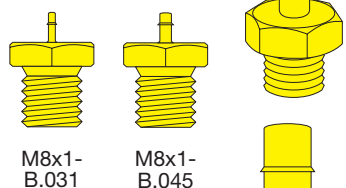
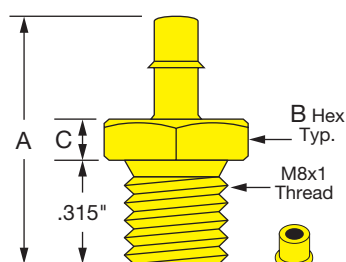
M8x0.75 Thread to Tube Elbows

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****878****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

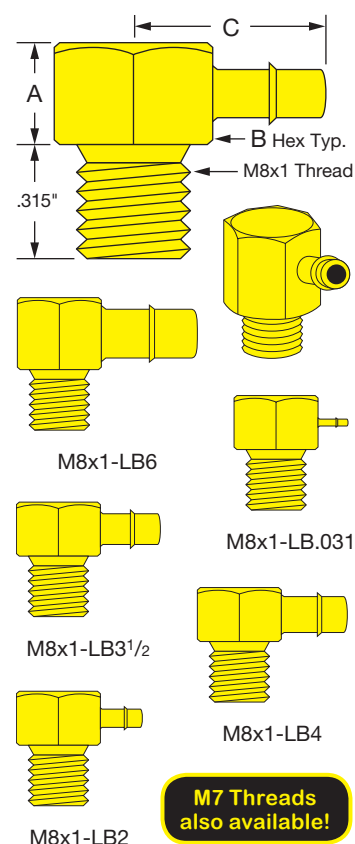
M8x1 Thread to Tube**879****M7 Threads also available!**

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

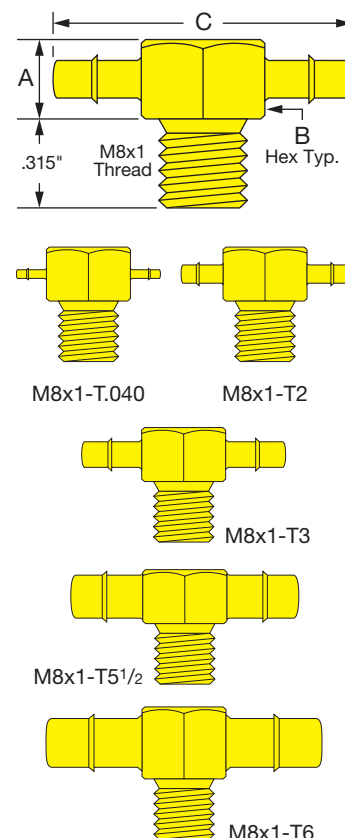
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/32	M8x1-LB.031	M8x1-LB.031-SS	M8x1-LB.031-316SS	M8x1-LB.031-NP	9/32	7/16	3/8
.040 / 1mm	M8x1-LB.040	M8x1-LB.040-SS	M8x1-LB.040-316SS	M8x1-LB.040-NP	9/32	7/16	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

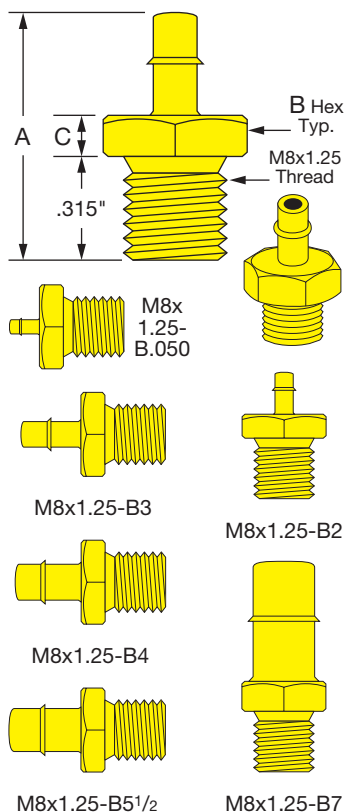


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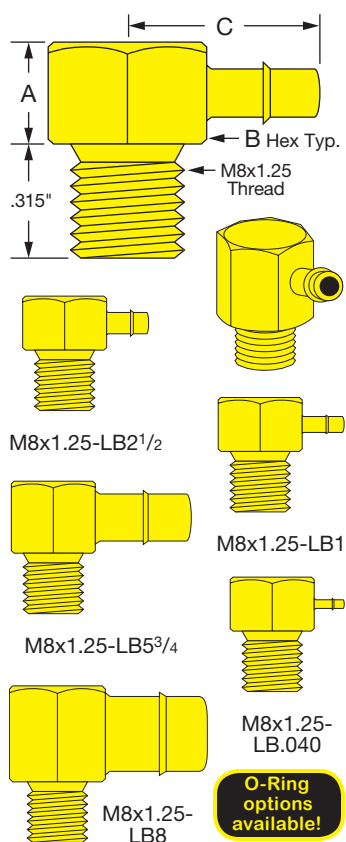
M8x1 Thread to Tube Tees

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****882**

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

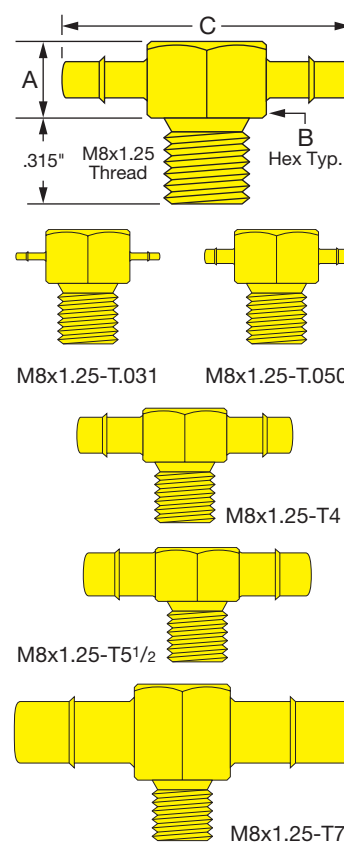
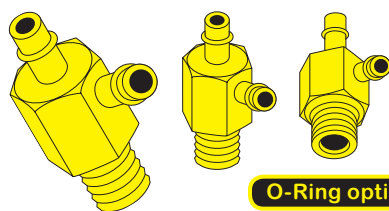
M8x1.25 Thread to Tube Elbows**883**

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

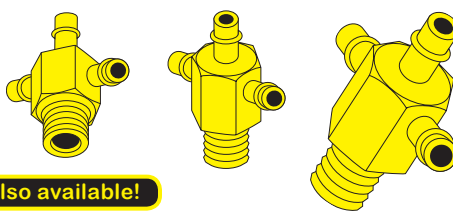
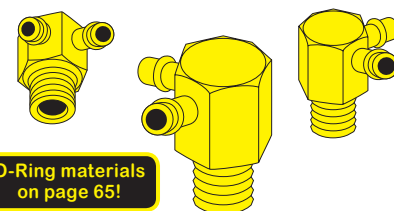
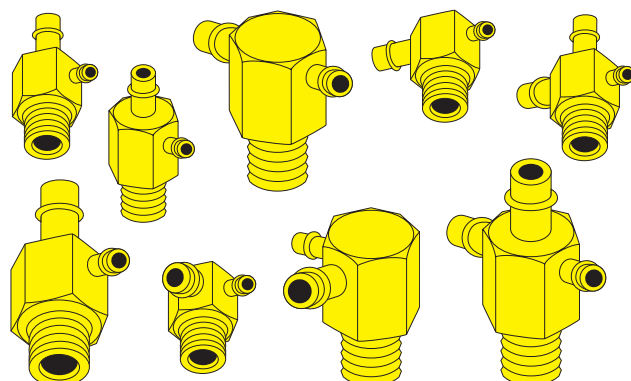
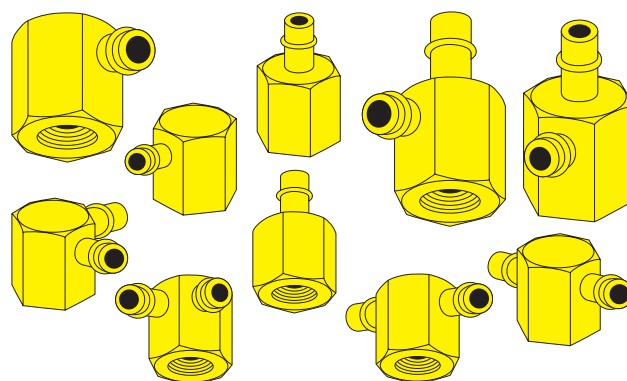
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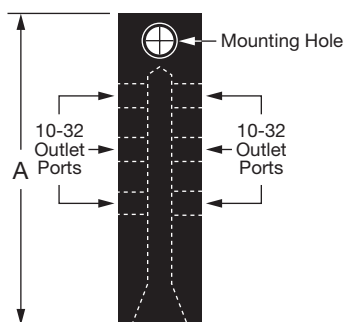
M8x1.25 Thread to Tube Tees

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

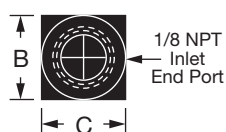
**Specialty & Custom Metric Fittings Available Upon Request****Metric Thread L-Tees**

O-Ring options also available!

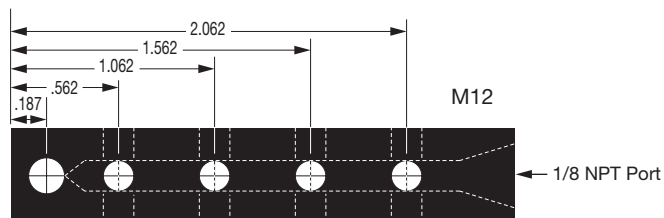
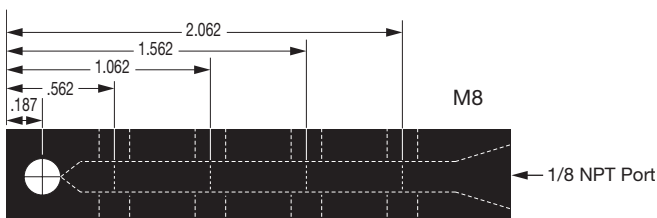
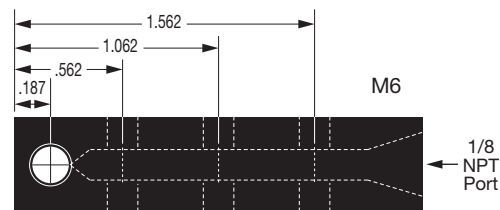
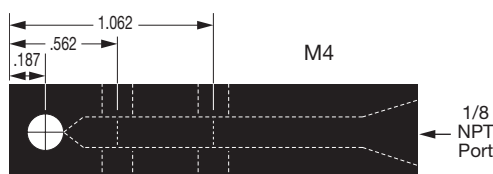
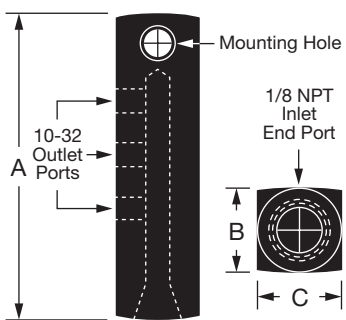
Metric Thread Tee x 3**Metric Thread V-Tees**O-Ring materials
on page 65!**Metric Thread Reducing Fittings****Metric Female Threaded Fittings****M7 Threads also Available! Lead Times May Vary. Consult Factory for Details!**

**F Series 10-32 Manifolds with 1/8 NPT Inlet****885**

1/8 NPT Inlet End Port



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****886**

1/8 NPT Inlet End Port

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	MAN3-1/8x10-32-ALN-BLK	MAN3-1/8x10-32-BR	MAN3-1/8x10-32-SS	MAN3-1/8x10-32-316SS	MAN3-1/8x10-32-NP	Consult Factory		
4	MAN4-1/8x10-32-ALN-BLK	MAN4-1/8x10-32-BR	MAN4-1/8x10-32-SS	MAN4-1/8x10-32-316SS	MAN4-1/8x10-32-NP	Consult Factory		
5	MAN5-1/8x10-32-ALN-BLK	MAN5-1/8x10-32-BR	MAN5-1/8x10-32-SS	MAN5-1/8x10-32-316SS	MAN5-1/8x10-32-NP	Consult Factory		



MAN4-1/8x10-32-ALN-BLK



MAN5-1/8x10-32-ALN-BLK

-BLK = Black Anodized

Anodized Aluminum Manifolds are available with various finishes & colors. Minimum quantities & lead times apply. To order, replace -BLK with the following codes:

-NP = Electroless Nickel Plate**-CC = Clear Coat Anodized****-HC = Hard Coat Anodized****-BL = Blue Anodized****-R = Red Anodized**

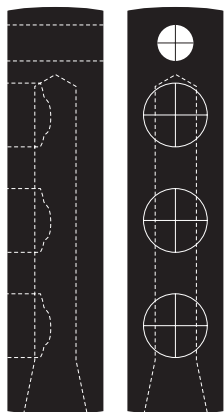
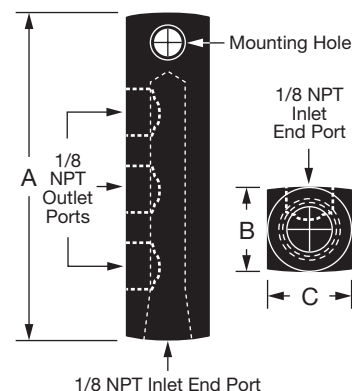
Other anodized color options also available!

Consult factory for details!

MAN3-1/8x10-32-ALN-BLK

887 1/8 NPT In-Line Port Manifold with 1/8 NPT One End Port & 3/16 Mounting Through Hole

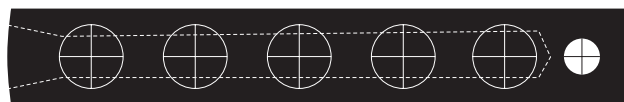
Number of Side Ports	Part Numbers					Dimensions (Reference)		
	Black Anodized Aluminum	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Ref.	C Ref.
3	MAN3-1/8x1/8-ALN-BLK	MAN3-1/8x1/8-BR	MAN3-1/8x1/8-SS	MAN3-1/8x1/8-316SS	MAN3-1/8x1/8-NP	Consult Factory		
4	MAN4-1/8x1/8-ALN-BLK	MAN4-1/8x1/8-BR	MAN4-1/8x1/8-SS	MAN4-1/8x1/8-316SS	MAN4-1/8x1/8-NP	Consult Factory		
5	MAN5-1/8x1/8-ALN-BLK	MAN5-1/8x1/8-BR	MAN5-1/8x1/8-SS	MAN5-1/8x1/8-316SS	MAN5-1/8x1/8-NP	Consult Factory		



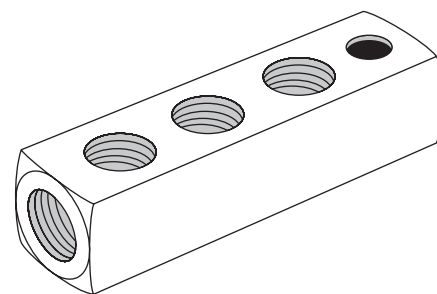
MAN3-1/8x1/8-ALN-BLK



MAN5-1/8x1/8-ALN-BLK



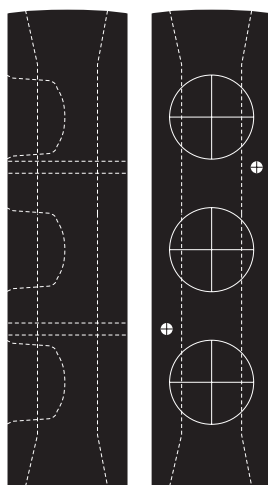
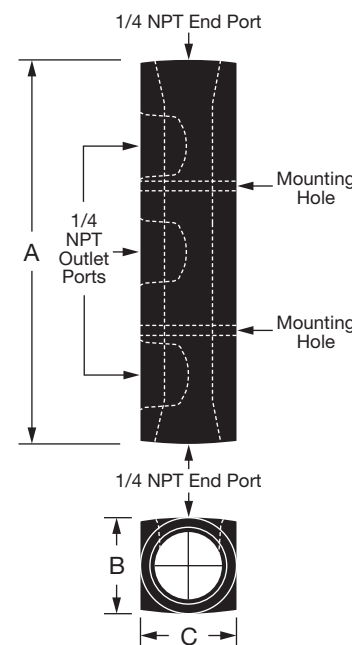
MAN4-1/8x1/8-ALN-BLK



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

888 1/4 NPT In-Line Port Manifold with Two 1/4 NPT End Ports & Mounting Through Holes

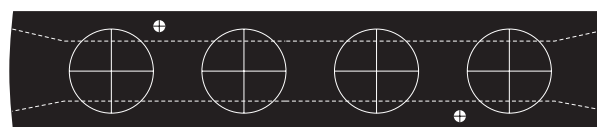
Number of Side Outlets	Part Numbers					Dimensions (Reference)		
	Black Anodized Aluminum	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Ref.	C Ref.
3	MAN3-1/4x1/4-ALN-BLK	MAN3-1/4x1/4-BR	MAN3-1/4x1/4-SS	MAN3-1/4x1/4-316SS	MAN3-1/4x1/4-NP	Consult Factory		
4	MAN4-1/4x1/4-ALN-BLK	MAN4-1/4x1/4-BR	MAN4-1/4x1/4-SS	MAN4-1/4x1/4-316SS	MAN4-1/4x1/4-NP	Consult Factory		
5	MAN5-1/4x1/4-ALN-BLK	MAN5-1/4x1/4-BR	MAN5-1/4x1/4-SS	MAN5-1/4x1/4-316SS	MAN5-1/4x1/4-NP	Consult Factory		



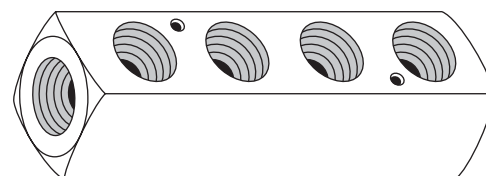
MAN3-1/4x1/4-ALN-BLK



MAN4-1/4x1/4-ALN-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****889**

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	MAN2x1/4-ALN	MAN2x1/4-BR	MAN2x1/4-SS	MAN2x1/4-316SS	MAN2x1/4-NP	1 3/4	1	1	3/4	N/A	0.17
3/8	1/4	MAN2x3/8-ALN	MAN2x3/8-BR	MAN2x3/8-SS	MAN2x3/8-316SS	MAN2x3/8-NP	2 3/8	1 1/4	1 1/4	7/8	N/A	0.20
1/2	3/8	MAN2x1/2-ALN	MAN2x1/2-BR	MAN2x1/2-SS	MAN2x1/2-316SS	MAN2x1/2-NP	2 3/4	1 1/2	1 1/2	1	N/A	0.20

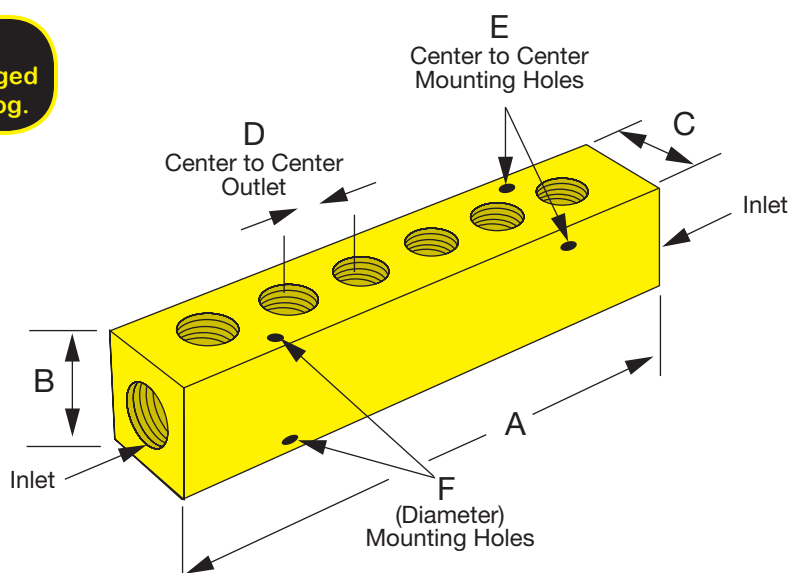
Dual Inlet Manifolds with 4 In-line Ports**890**

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	MAN4x1/4-ALN	MAN4x1/4-BR	MAN4x1/4-SS	MAN4x1/4-316SS	MAN4x1/4-NP	3 1/4	1	1	3/4	1 1/2	0.17
3/8	1/4	MAN4x3/8-ALN	MAN4x3/8-BR	MAN4x3/8-SS	MAN4x3/8-316SS	MAN4x3/8-NP	4 1/8	1 1/4	1 1/4	7/8	1 3/4	0.20
1/2	3/8	MAN4x1/2-ALN	MAN4x1/2-BR	MAN4x1/2-SS	MAN4x1/2-316SS	MAN4x1/2-NP	4 3/4	1 1/2	1 1/2	1	2	0.20

Dual Inlet Manifolds with 6 In-line Ports**891**

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	MAN6x1/4-ALN	MAN6x1/4-BR	MAN6x1/4-SS	MAN6x1/4-316SS	MAN6x1/4-NP	4 3/4	1	1	3/4	3	0.17
3/8	1/4	MAN6x3/8-ALN	MAN6x3/8-BR	MAN6x3/8-SS	MAN6x3/8-316SS	MAN6x3/8-NP	5 7/8	1 1/4	1 1/4	7/8	3 1/2	0.20
1/2	3/8	MAN6x1/2-ALN	MAN6x1/2-BR	MAN6x1/2-SS	MAN6x1/2-316SS	MAN6x1/2-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 in various materials. See next page for options. Consult factory for details!

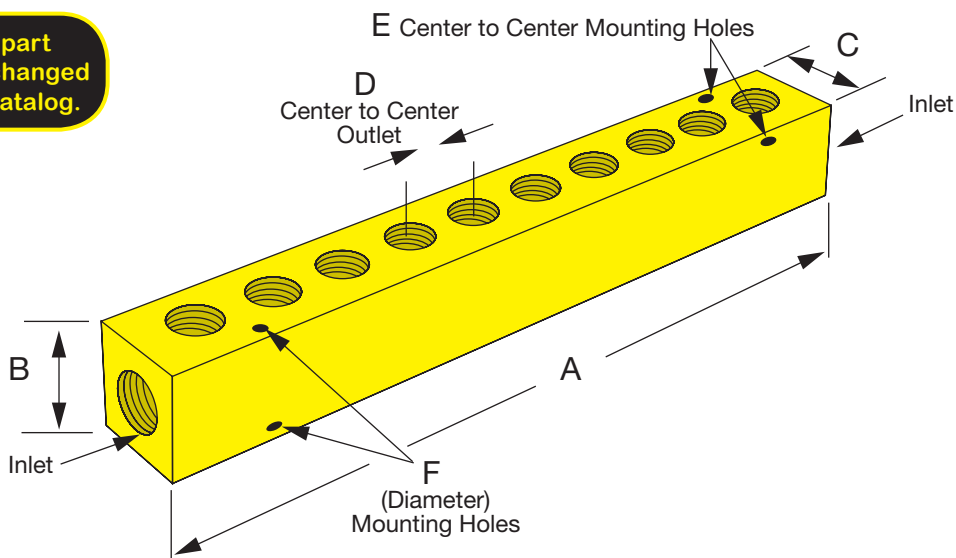
892
Dual Inlet Manifolds with 8 In-line Ports

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	MAN8x1/4-ALN	MAN8x1/4-BR	MAN8x1/4-SS	MAN8x1/4-316SS	MAN8x1/4-NP	1 3/4	1	1	3/4	4 1/2	0.17
3/8	1/4	MAN8x3/8-ALN	MAN8x3/8-BR	MAN8x3/8-SS	MAN8x3/8-316SS	MAN8x3/8-NP	2 3/8	1 1/4	1 1/4	7/8	5 1/4	0.20
1/2	3/8	MAN8x1/2-ALN	MAN8x1/2-BR	MAN8x1/2-SS	MAN8x1/2-316SS	MAN8x1/2-NP	2 3/4	1 1/2	1 1/2	1	6	0.20

893
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	MAN10x1/4-ALN	MAN10x1/4-BR	MAN10x1/4-SS	MAN10x1/4-316SS	MAN10x1/4-NP	1 3/4	1	1	3/4	6	0.17
3/8	1/4	MAN10x3/8-ALN	MAN10x3/8-BR	MAN10x3/8-SS	MAN10x3/8-316SS	MAN10x3/8-NP	2 3/8	1 1/4	1 1/4	7/8	7	0.20
1/2	3/8	MAN10x1/2-ALN	MAN10x1/2-BR	MAN10x1/2-SS	MAN10x1/2-316SS	MAN10x1/2-NP	2 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
ACN-150	Delrin Natural	-20° to +180°F	200
ACB	Delrin Black	-20° to +180°F	200
NYL	Nylon	-60° to +100°F	200
P	Polypropylene	+32° to +210°F	150
PLY	Polypropylene Black	+32° to +210°F	150

Material Code	Manifold Material	Temperature Range	Pressure Max PSI
PVD	PVDF Rynar®	-65° to +230°F	150
PVG	PVC Gray	+32° to +140°F	150
PWF	PVC White	+32° to +140°F	150
TEF	PTFE Teflon®	-20° to +180°F	120
ALN	Aluminum (6061 Black Anodized)	-65° to +250°F	1,000
AL	Aluminum (Natural Silver)	-65° to +250°F	1,000

Material Code	Manifold Material	Temperature Range	Pressure Max PSI
BR	360 Brass	-65° to +250°F	2,000
NP	Electroless Nickel Plate	-65° to +250°F	2,000
SS303	303 Stainless Steel	-65° to +250°F	3,500
SS304	304 Stainless Steel	-65° to +250°F	3,500
SS316	316 Stainless Steel	-65° to +250°F	3,500

How to Order:
MAN
2
x
1/2
x
1/8
—
PVG

Part No. Prefix # of Outlets

Inlet Thread Size

Outlet Thread Size

Manifold Material

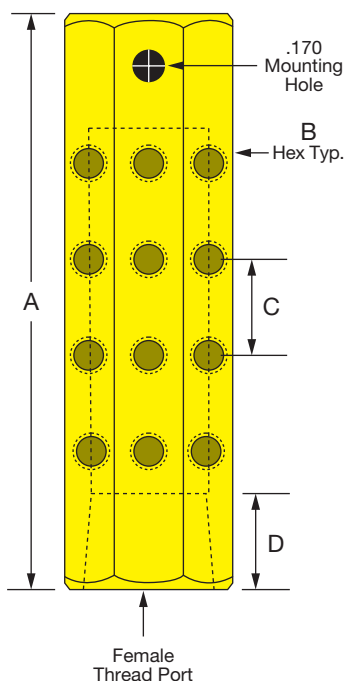
Note: The outlet thread number is omitted if it is one size smaller than the inlet thread size.

M2



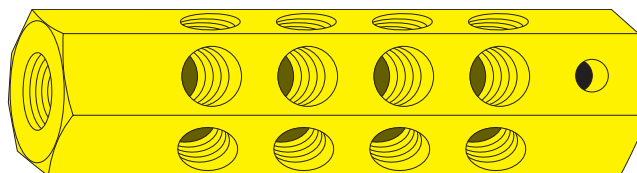
In-line Manifolds with 12 Ports and Hex Bodies

894

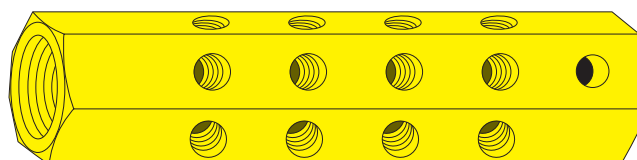


Inlet Thread Size	Outlet Thread Size	Part Numbers					Dimensions (Reference)			
		Black Anodized Aluminum	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Ref.	C Ref.	D Ref.
1/8	1/16	MAN12-1/8x1/16-ALN	MAN12-1/8x1/16-BR	MAN12-1/8x1/16-SS	MAN12-1/8x1/16-SS316	MAN12-1/8x1/16-NP	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-SS316	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-SS316	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-SS316	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 487! Minimum quantities & lead times apply!



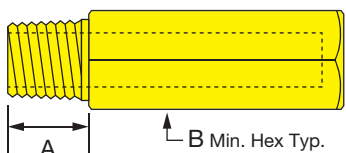
MAN12x 1/8x1/16



MAN12x 1/4x10-32

Male Pipe Thread Manifold Blanks

895



10-32 MB 1 1/8

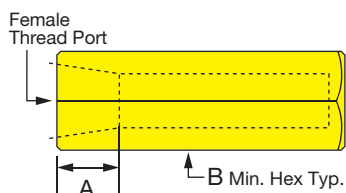


1/8 MB 1 3/16

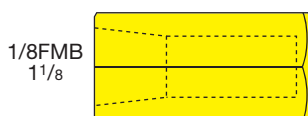
Thread	Body Length	Part Numbers				Dimensions (Reference)	
		Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.
10-32	1 3/16	10-32MB1 3/16	10-32MB1 3/16-SS	10-32MB1 3/16-SS316	10-32MB1 3/16-NP	5/32	5/16
10-32	1 1/8	10-32MB1 1/8	10-32MB1 1/8-SS	10-32MB1 1/8-SS316	10-32MB1 1/8-NP	5/32	5/16
10-32	1 7/16	10-32MB1 7/16	10-32MB1 7/16-SS	10-32MB1 7/16-SS316	10-32MB1 7/16-NP	5/32	5/16
1/8	1 3/16	1/8MB1 3/16	1/8MB1 3/16-SS	1/8MB1 3/16-SS316	1/8MB1 3/16-NP	3/8	7/16
1/8	1 1/8	1/8MB1 1/8	1/8MB1 1/8-SS	1/8MB1 1/8-SS316	1/8MB1 1/8-NP	3/8	7/16
1/8	1 7/16	1/8MB1 7/16	1/8MB1 7/16-SS	1/8MB1 7/16-SS316	1/8MB1 7/16-NP	3/8	7/16

Female Pipe Thread Manifold Blanks

896



10-32 FMB 1 3/16



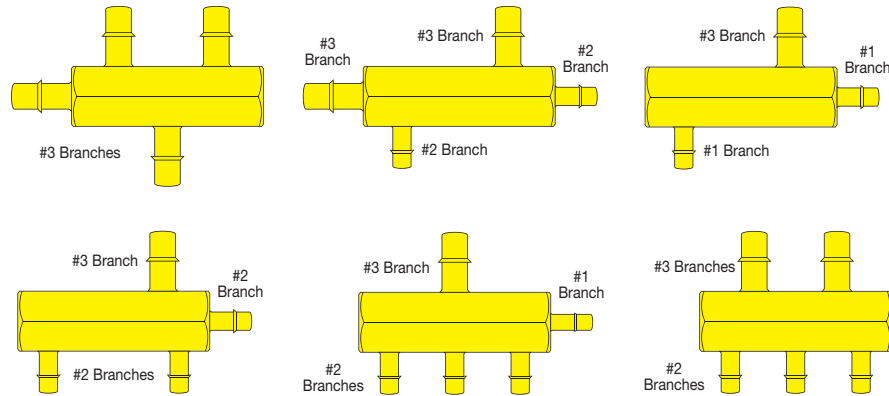
1/8 FMB 1 1/8

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	10-32FMB1 3/16	10-32FMB1 3/16-SS	10-32FMB1 3/16-SS316	10-32FMB1 3/16-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	1/8FMB1 3/16	1/8FMB1 3/16-SS	1/8FMB1 3/16-SS316	1/8FMB1 3/16-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

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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 and Tube ID's listed on next page!

Material options listed on next page!

Also available with square bodies! 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 486 - 487 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.

Consult factory for details!

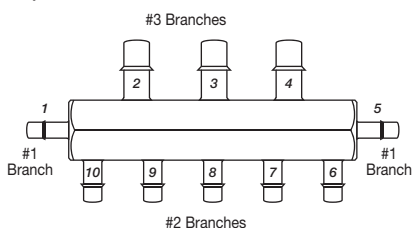


Branch Numbers:

1st Branch (1) = _____	4th Branch (4) = _____	7th Branch (7) = _____	10th Branch (10) = _____
2nd Branch (2) = _____	5th Branch (5) = _____	8th Branch (8) = _____	11th Branch (11) = _____
3rd Branch (3) = _____	6th Branch (6) = _____	9th Branch (9) = _____	12th Branch (12) = _____

*Part numbers will vary depending on branch configuration

Example:



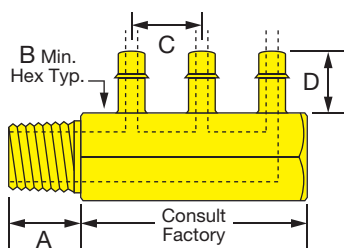
Branch Numbers:

1st Branch (1) = <u>1</u>	4th Branch (4) = <u>3</u>	7th Branch (7) = <u>2</u>	10th Branch (10) = <u>2</u>
2nd Branch (2) = <u>3</u>	5th Branch (5) = <u>1</u>	8th Branch (8) = <u>2</u>	11th Branch (11) = <u>n/a</u>
3rd Branch (3) = <u>3</u>	6th Branch (6) = <u>2</u>	9th Branch (9) = <u>2</u>	12th Branch (12) = <u>n/a</u>



Male Pipe Thread Manifold Fittings

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Number of branches/ports vary depending on branch size. Body Length will vary depending on number of branches.

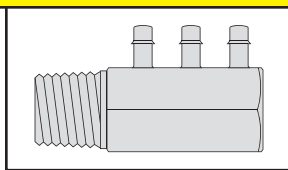
Example Part Number:

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 Number	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

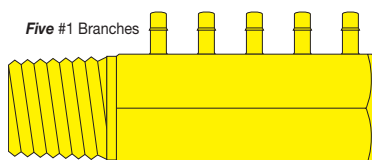
Branches		Dimensions (Reference)		# of Port Options
Tube ID	Branch Number	C Ref.	D Ref.	
.170	4	3/8	11/32	6
3/16	5	Consult Factory	3/8	6
7/32	5 1/2	Consult Factory	3/8	6
6mm	5 3/4	Consult Factory	1/2	6
1/4	6	Consult Factory	1/2	6

Larger Tube ID Branches available! Consult factory!

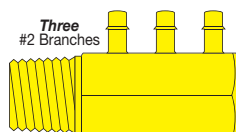
Material Options Below!

To simplify part numbers, these numbers have changed since previous catalog.

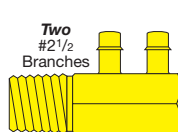
Part Numbers for Male Pipe Thread Manifold Fittings:



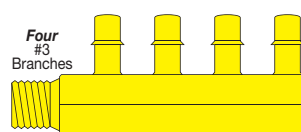
1/4M-1x5



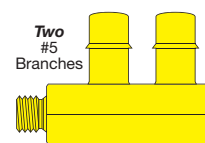
1/8M-2x3



1/16M-2 1/2 x 2



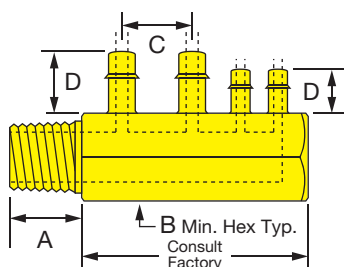
4-28M-3x4



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 491 to indicate branch size and placement!

Example Part Number:

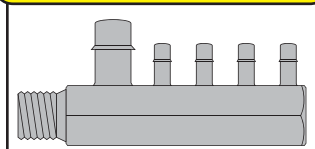
4-28MM-4x1-1x4-SS

1/4-28 Male Pipe Thread

One #3 Branch (.170 Tube ID)

Four #1 Branches (1/16 Tube ID)

Material: Stainless Steel 303



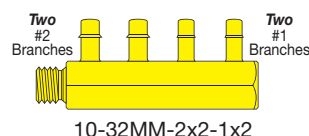
Thread Size	Dimensions (Reference)	
	A Ref.	B Typ.
10-32	5/32	1/4
1/4-28 (4-28)	1/4	5/16
1/16	1/3	3/8
1/8	3/8	9/16
1/4	9/16	11/16
3/8	1/2	13/16
1/2	11/16	1

Branches		Dimensions (Reference)		# of Port Options
Tube ID	Branch Number	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

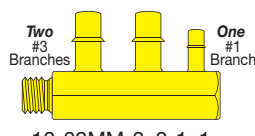
Branches		Dimensions (Reference)		# of Port Options
Tube ID	Branch Number	C Ref.	D Ref.	
.170	4	Consult Factory	11/32	Consult Factory
3/16	5	Consult Factory	3/8	Consult Factory
7/32	5 1/2	Consult Factory	3/8	Consult Factory
6mm	5 3/4	Consult Factory	1/2	Consult Factory
1/4	6	Consult Factory	1/2	Consult Factory

Fitting Series Code = MM

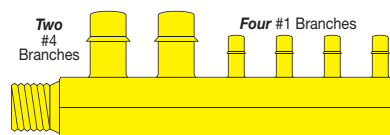
Numerous ports & branch sizes on one Manifold!



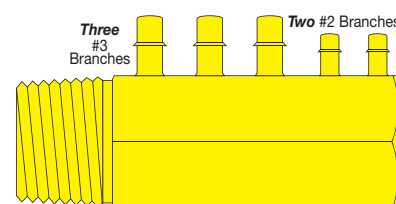
10-32MM-2x2-1x2



10-32MM-3x2-1x1



4-28MM-4x2-1x4



3/8MM-3x3-2x3

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

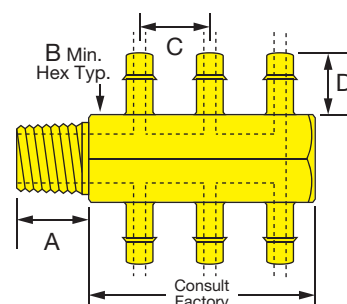
Thread Size	Dimensions (Reference)	
	A Ref.	B Typ.
10-32	5/32	1/4
1/4-28 (4-28)	1/4	5/16
1/16	1/3	3/8
1/8	3/8	9/16
1/4	9/16	11/16
3/8	1/2	13/16
1/2	11/16	1

Branches		Dimensions (Reference)		# of Port Options (ea. side)
Tube ID	Branch Number	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 Number	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

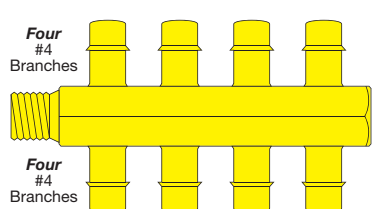
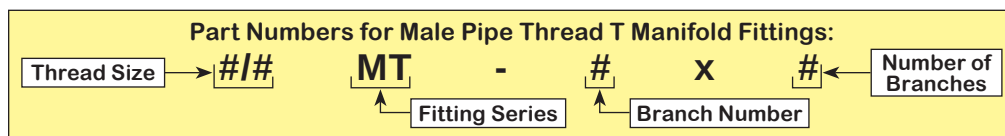
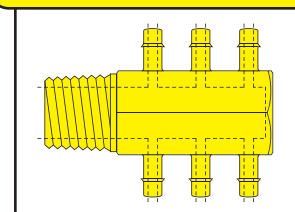
Larger Tube ID Branches available! Consult factory!

Material options listed on previous page!

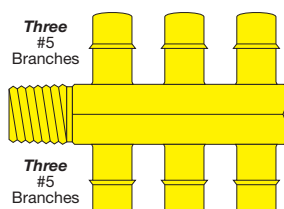


Number of branches/ports vary depending on branch size. Body Length will vary depending on number of branches.

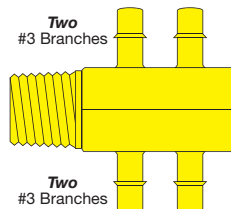
Example Part Number:
1/8MT-2x3
1/8 NPT Male Pipe Thread
Three #2 Branches (2mm Tube ID)
on each side; Material: Brass



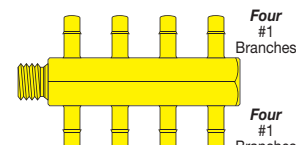
4-28MT-4x4



1/16MT-5x3



1/8MT-3x2



10-32MT-1x4

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Male Pipe Thread Mixed Branch Tee Manifold Fittings

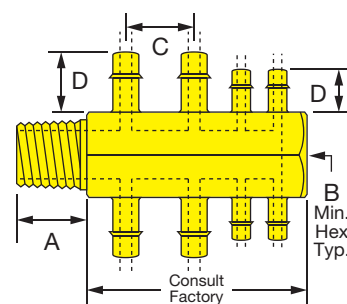
Thread Size	Dimensions (Reference)	
	A Ref.	B Typ.
10-32	5/32	1/4
1/4-28 (4-28)	1/4	5/16
1/16	1/3	3/8
1/8	3/8	9/16
1/4	9/16	11/16
3/8	1/2	13/16
1/2	11/16	1

Branches		Dimensions (Reference)		# of Port Options
Tube ID	Branch Number	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 Number	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

Material options listed on previous page!

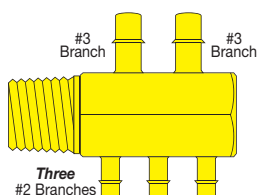
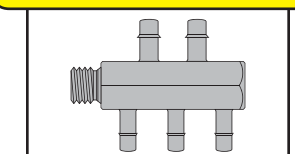
Fitting Series Code = MMT



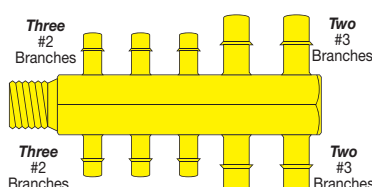
Number of branches/ports vary depending on Tube ID size. Body Length will vary depending on number of branches.

Use the template on page 491 to indicate branch size and placement!

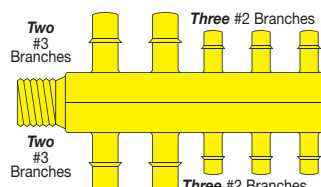
Example Part Number:
10-32MMT-2x2-1x3-316SS
10-32 Male Pipe Thread; Each side:
Two #2 Branches (2mm Tube ID)
Three #1 Branches (1/16 Tube ID)
Material: Stainless Steel 316



1/8MMT-3x2-2x3



4-28MMT-2x3-3x2-2x3-3x2



4-28MMT-3x2-2x3-3x2-2x3

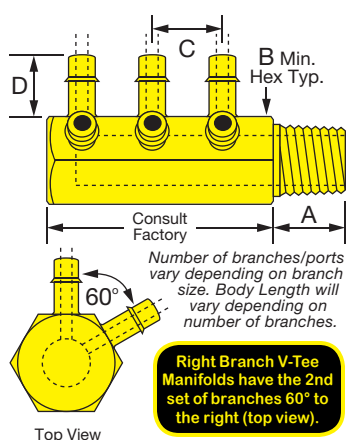
Branches can be arranged in numerous sizes and combinations to accommodate specific requirements.

Numerous ports & branch sizes on one Manifold!



Male Pipe Thread Right Branch 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	11/16
3/8	1/2	13/16
1/2	11/16	1

Branches		Dimensions (Reference)		# of Port Options (ea. side)
Tube ID	Branch Number	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

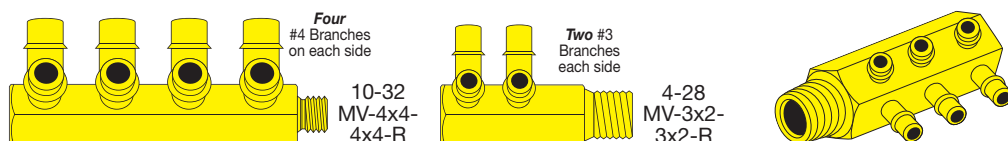
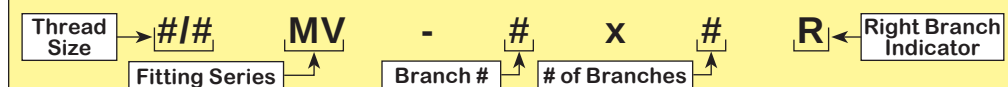
Branches		Dimensions (Reference)		# of Port Options (ea. side)
Tube ID	Branch Number	C Ref.	D Ref.	
.170	4	3/8	11/32	6
3/16	5	Consult Factory	3/8	6
7/32	5 1/2	Consult Factory	3/8	6
6mm	5 3/4	Consult Factory	1/2	6
1/4	6	Consult Factory	1/2	6

Larger Tube ID Branches also available! Consult factory for details!

Material options are listed below!

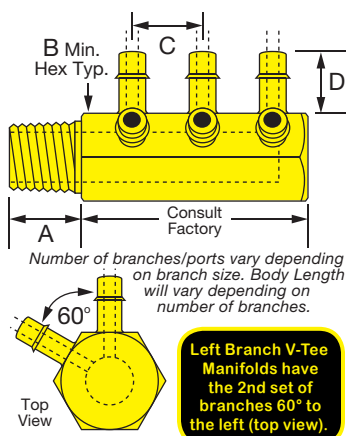
Example Part Number:
1/16MV-1x3-1x3-R-316SS
 1/16 NPT Male Pipe Thread
Three #1 Branches on each side
 (1/16 Tube ID)
 Material: 316 Stainless Steel

Part Numbers for Male Pipe Thread 60° Right Branch V Manifold Fittings:



Male Pipe Thread Left Branch 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	11/16
3/8	1/2	13/16
1/2	11/16	1

Branches		Dimensions (Reference)		# of Port Options (ea. side)
Tube ID	Branch Number	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

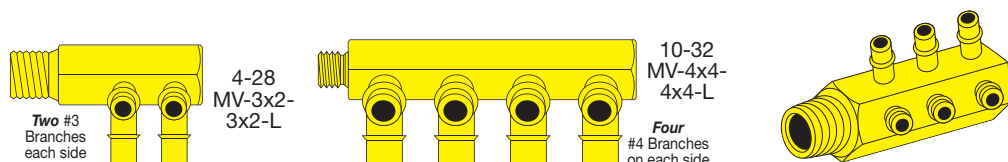
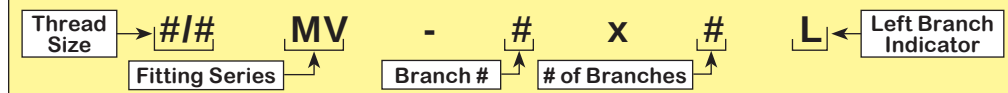
Branches		Dimensions (Reference)		# of Port Options (ea. side)
Tube ID	Branch Number	C Ref.	D Ref.	
.170	4	3/8	11/32	6
3/16	5	Consult Factory	3/8	6
7/32	5 1/2	Consult Factory	3/8	6
6mm	5 3/4	Consult Factory	1/2	6
1/4	6	Consult Factory	1/2	6

Larger Tube ID Branches also available! Consult factory for details!

Material options are listed below!

Example Part Number:
1/16MV-2x3-2x3-L-NP
 1/16 NPT Male Pipe Thread
Two #2 Branches on each side
 (2mm Tube ID)
 Material: Electroless Nickel Plate

Part Numbers for Male Pipe Thread 60° Left Branch V Manifold Fittings:



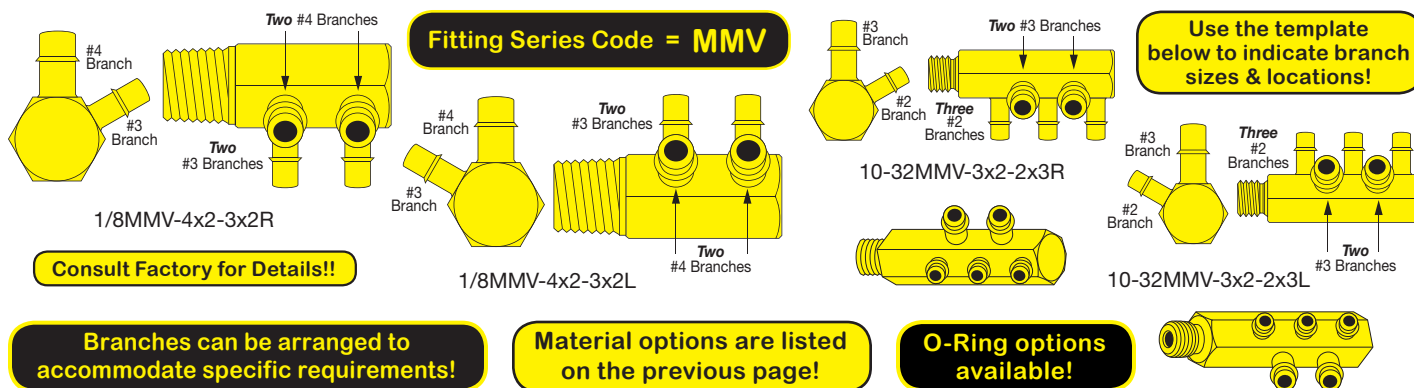
Unless otherwise specified, parts will be Brass. To order other materials, please add the following codes to the part number:

-SS = Stainless Steel 303

-316SS = Stainless Steel 316

-NP = Electroless Nickel Plate

Male Pipe Thread Mixed Branch V-Tee Manifold Options



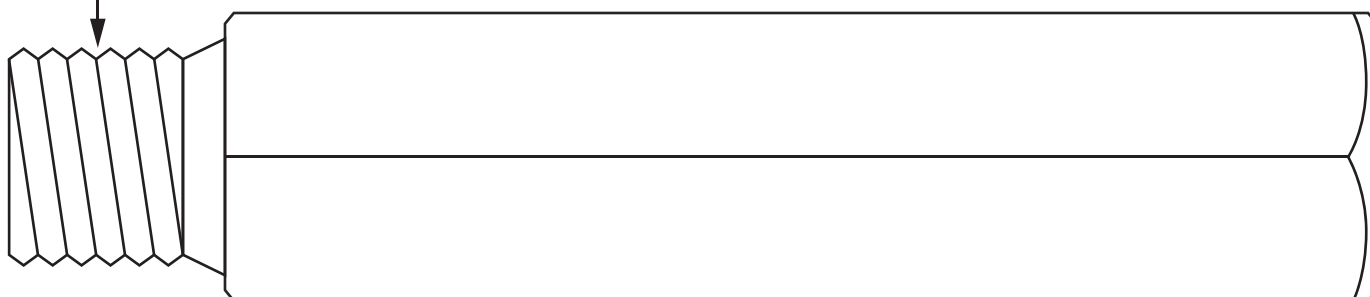
Mixed Branch Manifold Template for Branch Sizes and Locations

To Use:

Indicate the desired location of each branch by writing the numbers 1 through 9 (1 = 1st Branch, etc.) on the hex diagram on the below. Mark the coordinating Branch Number (size) in the chart below. Mark the desired Thread Size in the area provided on the diagram. Reference tables on pages 488 - 490 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!

Thread
Size = _____



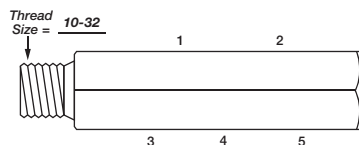
Branch Numbers:

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) = _____

*Part numbers will vary depending on branch configuration

Examples:

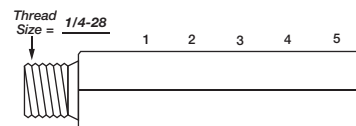
10-32MMT-2x2-1x3
 Mixed Branch Tee Manifold
 10-32 Thread
 Two #2 Branches
 (1st, 2nd)
 Three #1 Branches
 (3rd, 4th, 5th)
 (see sample image
 on page 489!)



Branch Numbers:

1st Branch (1) = 2 4th Branch (4) = 1 7th Branch (7) = n/a
 2nd Branch (2) = 2 5th Branch (5) = 1 8th Branch (8) = n/a
 3rd Branch (3) = 1 6th Branch (6) = n/a 9th Branch (9) = n/a

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 488!)



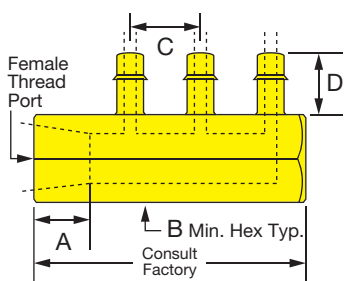
Branch Numbers:

1st Branch (1) = 2 4th Branch (4) = 1 7th Branch (7) = n/a
 2nd Branch (2) = 2 5th Branch (5) = 1 8th Branch (8) = n/a
 3rd Branch (3) = 1 6th Branch (6) = n/a 9th Branch (9) = n/a



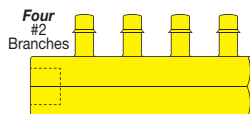
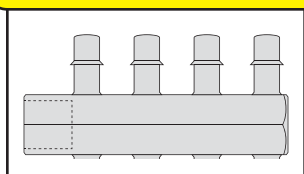
Female Pipe Thread Manifold Fittings

904



Number of branches/ports vary depending on Tube ID size. Body Length will vary depending on number of branches.

Example Part Number:
4-28FM-3x4-NP
1/4-28 Female Pipe Thread
Four #3 Branches/Ports (1/8 Tube ID)
Material: Electroless Nickel Plate



10-32FM-2x4

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

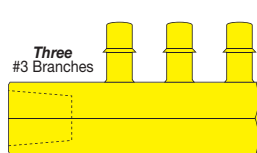
Branches		Dimensions (Reference)		# of Port Options
Tube ID	Branch Number	C Ref.	D Ref.	
1/16	1	1/4	7/32	9
5/64 / 2mm	2	1/4	7/32	9
3/32	2 1/2	1/4	7/32	8
1/8	3	5/16	5/16	8
5/32 / 4mm	3 1/2	5/16	5/16	6

Branches		Dimensions (Reference)		# of Port Options
Tube ID	Branch Number	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

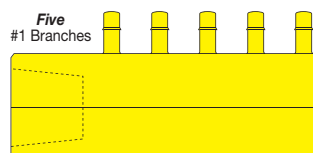
Larger Tube ID Branches available!
Consult factory for details!

Material options are listed below!

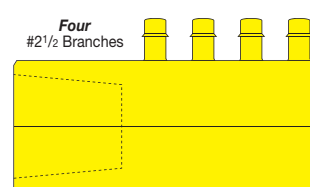
Part Numbers for Female Pipe Thread Manifold Fittings:



1/16FM-3x3



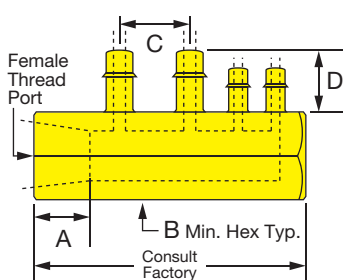
1/8FM-1x5



1/4FM-2 1/2x4

Female Pipe Thread Mixed Branch Manifold Fittings

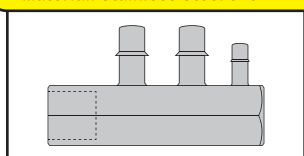
905



Number of branches/ports vary depending on Tube ID size. Body Length will vary depending on number of branches.

Use the template on page 495 to indicate branch size and placement!

Example Part Number:
4-28FMM-3x2-1x2-SS
1/4-28 Male Pipe Thread
Two #3 Branch (.170 Tube ID)
One #1 Branch (1/16 Tube ID)
Material: Stainless Steel 303



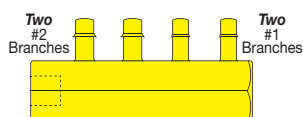
Thread Size	Dimensions (Reference)	
	A Ref.	B Typ.
10-32	5/32	1/4
1/4-28 (4-28)	1/4	5/16
1/16	1/3	3/8
1/8	3/8	9/16
1/4	9/16	11/16
3/8	1/2	13/16
1/2	11/16	1

Branches		Dimensions (Reference)		# of Port Options
Tube ID	Branch Number	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 Number	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

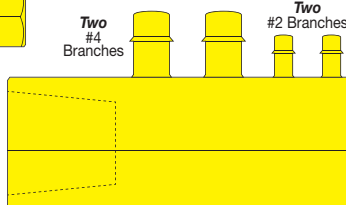
Numerous ports & branch sizes on one Manifold!

Fitting Series Code = FMM

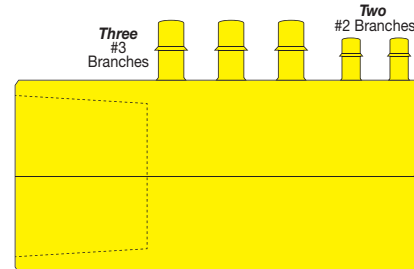


10-32FMM-2x2-1x2

Hundreds of Branch Combinations!



1/4FMM-4x2-2x2



1/2FMM-3x3-2x2

To simplify part numbers, these numbers have changed since previous catalog.

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

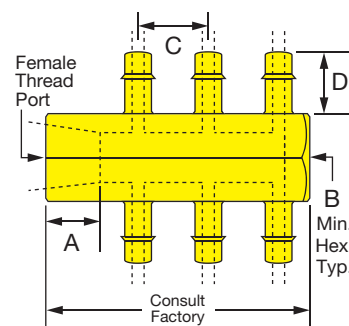
906

Female Pipe Thread Tee Manifold Fittings

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 Number	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 Number	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

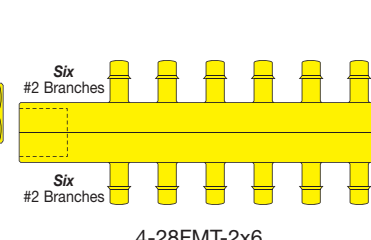
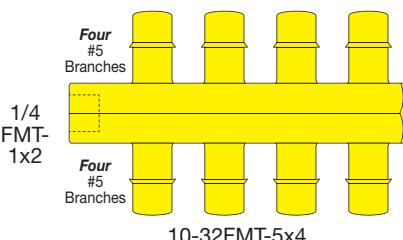
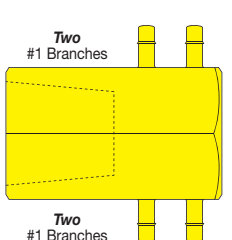


Number of branches/ports vary depending on Tube ID size. Body Length will vary depending on number of branches.

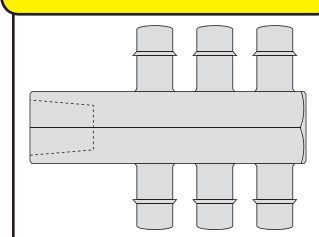
Larger Tube ID Branches available! Consult factory for details!

Material options listed on previous page!

Part Numbers for Female Pipe Thread T Manifold Fittings:



Example Part Number:
1/16FMT-4x3-NP
1/16 NPT Female Pipe Thread
Three #4 Branches (.170 Tube ID)
on each side
Material: Electroless Nickel Plate



To simplify part numbers, these numbers have changed since previous catalog.

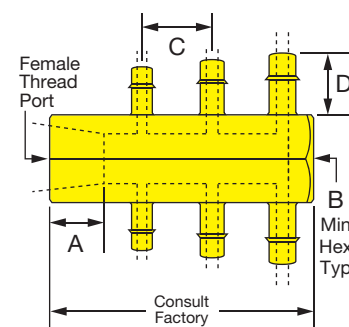
907

Female Pipe Thread Mixed Branch Tee Manifold Fittings

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 Number	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

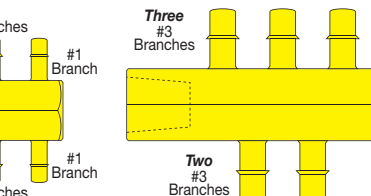
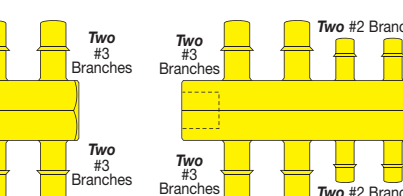
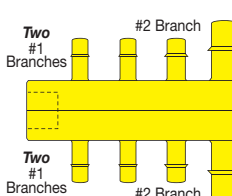
Branches		Dimensions (Reference)		# of Port Options
Tube ID	Branch Number	C Ref.	D Ref.	
.170	4	Consult Factory	11/32	Consult Factory
3/16	5	Consult Factory	3/8	Consult Factory
7/32	5 1/2	Consult Factory	3/8	Consult Factory
6mm	5 3/4	Consult Factory	1/2	Consult Factory
1/4	6	Consult Factory	1/2	Consult Factory



Number of branches/ports vary depending on Tube ID size. Body Length will vary depending on number of branches.

Material options listed on previous page!

Fitting Series Code = FMMT



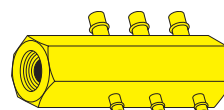
10-32FMMT-1x2-2x1-3x2-1x2-2x1-3x2

10-32FMMT-3x2-2x2-1x1-3x2-2x2-1x1

1/16FMMT-3x3-3x2

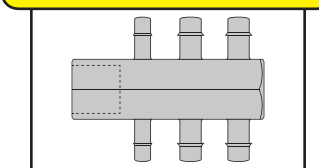
Branches can be arranged in numerous sizes and combinations to accommodate specific requirements.

Numerous branch sizes on one Manifold!



Use the template on page 495 to indicate branch size & placement!

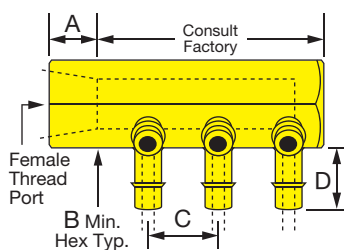
Example Part Number:
4-28MMT-2 1/2x2-1x1-316SS
1/4-28 Female Pipe Thread; Each side:
Two #2 1/2 Branches (3/32 Tube ID)
One #1 Branch (1/16 Tube ID)
Material: Stainless Steel 316



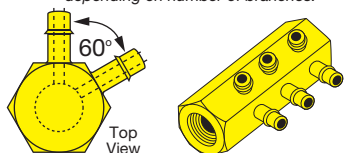


Female Pipe Thread Right Branch V-Tee Manifold Fittings

908



Number of branches/ports vary depending on branch size. Body Length will vary depending on number of branches.



1/8FMMV-3x2-3x2R

Right Branch V-Tee Manifolds have the 2nd set of branches 60° to the right (bottom view).

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

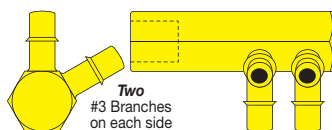
Branches		Dimensions (Reference)		# of Port Options (ea. side)
Tube ID	Branch Number	C Ref.	D Ref.	
1/16	1	1/4	7/32	9
5/64 / 2mm	2	1/4	7/32	9
3/32	2 1/2	1/4	7/32	8
1/8	3	5/16	5/16	8
5/32 / 4mm	3 1/2	5/16	5/16	6

Larger Tube ID Branches also available! Consult factory for details!

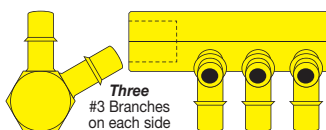
Material options are listed below!

Part Numbers for Female Pipe Thread 60° Right Branch V Manifold Fittings:

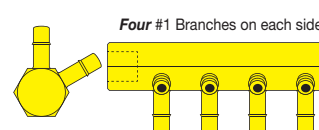
Thread Size	#/#	FMV	-	#	X	#	R	Right Branch Indicator
	Fitting Series			Branch #		# of Branches		



4-28FMMV-3x2-3x2-R



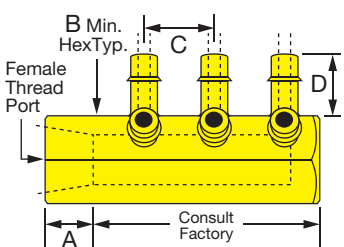
4-28FMMV-3x3-3x3-R



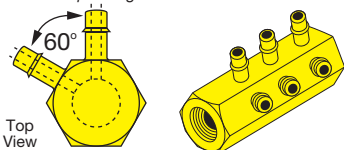
10-32FMMV-1x4-1x4-R

Female Pipe Thread Left Branch V-Tee Manifold Fittings

909



Number of branches/ports vary depending on branch size. Body Length will vary depending on number of branches.



1/8FMMV-3x2-3x2L

Left Branch V-Tee Manifolds have the 2nd set of branches 60° to the left (bottom view).

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

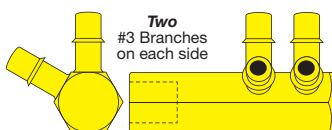
Branches		Dimensions (Reference)		# of Port Options (ea. side)
Tube ID	Branch Number	C Ref.	D Ref.	
1/16	1	1/4	7/32	9
5/64 / 2mm	2	1/4	7/32	9
3/32	2 1/2	1/4	7/32	8
1/8	3	5/16	5/16	8
5/32 / 4mm	3 1/2	5/16	5/16	6

Larger Tube ID Branches available! Consult factory for details!

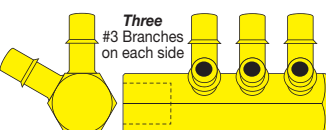
Material options are listed below!

Part Numbers for Female Pipe Thread 60° Left Branch V Manifold Fittings:

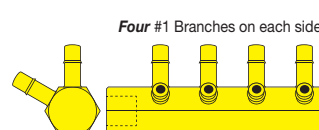
Thread Size	#/#	FMV	-	#	X	#	L	Left Branch Indicator
	Fitting Series			Branch #		# of Branches		



4-28FMMV-3x2-3x2-L



4-28FMMV-3x3-3x3-L



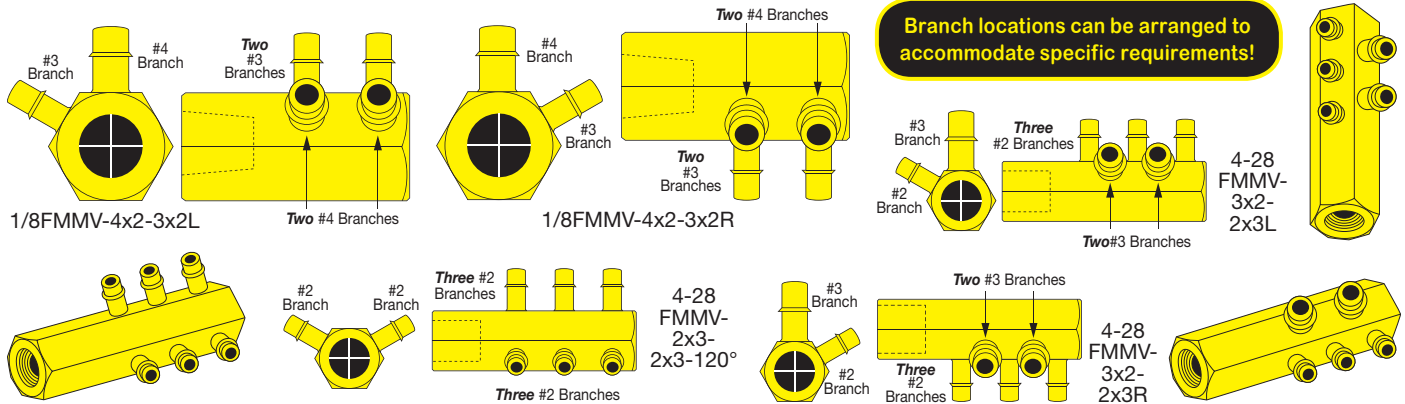
10-32FMMV-1x4-1x4-L

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

Fitting Series Code = **FMMV**

Numerous branch sizes on one Manifold! See template below! Consult factory for details!



Mixed Branch Manifold Template for Branch Sizes and Locations

To Use:

Indicate the desired location of each branch by writing the numbers 1 through 9 (1 = 1st Branch, etc.) on the hex diagram 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 492 - 494 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!

Thread
Size =



Branch Numbers:

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) = _____

*Part numbers will vary depending on branch configuration

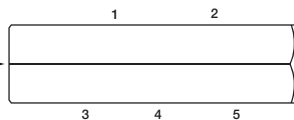
Examples:

10-32FMMT-2x2-1x3
Mixed Branch Tee Manifold
10-32 Female Thread

Two #2 Branches
(1st, 2nd)

Three #1 Branches
(3rd, 4th, 5th)
(see sample image
on page 494!)

Thread
Size =
10-32



Branch Numbers:

1st Branch (1) = 2 4th Branch (4) = 1 7th Branch (7) = n/a

2nd Branch (2) = 2 5th Branch (5) = 1 8th Branch (8) = n/a

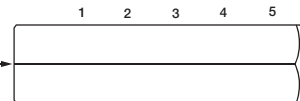
3rd Branch (3) = 1 6th Branch (6) = n/a 9th Branch (9) = n/a

4-28FMM-3x1-1x4
Mixed Branch Manifold
1/4-28 Female Thread

One #3 Branch
(1st)

Four #1 Branches
(2nd, 3rd, 4th, 5th)
(see sample image
on page 492!)

Thread
Size =
1/4-28



Branch Numbers:

1st Branch (1) = 2 4th Branch (4) = 1 7th Branch (7) = n/a

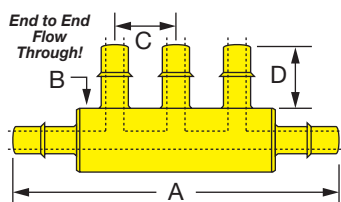
2nd Branch (2) = 2 5th Branch (5) = 1 8th Branch (8) = n/a

3rd Branch (3) = 1 6th Branch (6) = n/a 9th Branch (9) = n/a

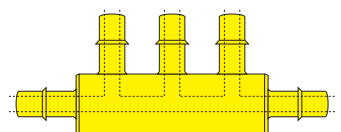


Coupling Manifolds

910



CM-1x2



CM-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		3/8	6
6mm	5 3/4		3/8	Consult Factory	1/2	6
1/4	6		7/16		1/2	6

Larger Tube ID branches available! Consult factory for details!

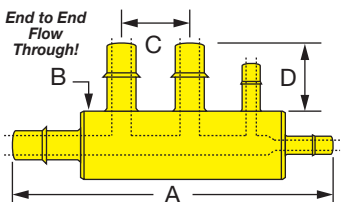
Material options listed on next page!

Part Numbers for Coupling Manifold Fittings:

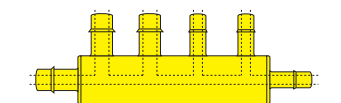
Fitting Series	CM	-	#	X	#	Number of Branches
			Branch Number			

Coupling Mixed Branch Manifolds

911



Use the template on page 497 to indicate branch sizes and placement!



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

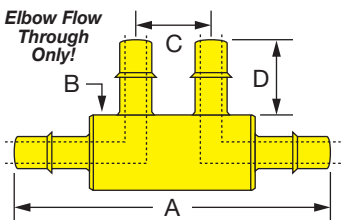
Branches		Dimensions (Reference)				# of Port Options
Tube ID	Branch Number	A Ref.	B Dia.	C Ref.	D Ref.	
.170	4	Consult Factory	5/16	3/8	11/32	6
3/16	5		3/8	Consult Factory	3/8	6
7/32	5 1/2		3/8		3/8	6
6mm	5 3/4		3/8	Consult Factory	1/2	6
1/4	6		7/16		1/2	6

Larger Tube ID Branches available! Consult factory for details!

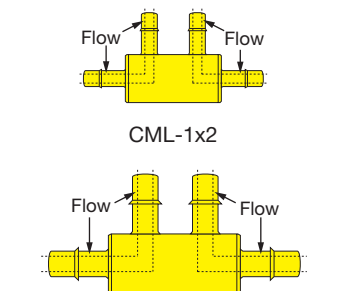
Material options listed on next page!

Coupling Manifold Elbows

912



CML-1x2



CML-3x2

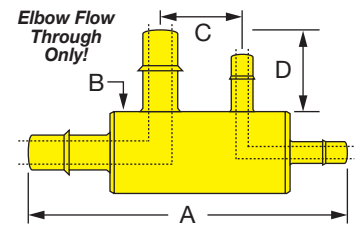
Tube ID	Part Numbers				Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Dia.	C Ref.	D Ref.
1/16	C1	C1-SS	C1-316SS	C1-NP	Consult Factory	1/4	1/4	7/32
5/64 / 2mm	C2	C2-SS	C2-316SS	C2-NP		1/4	1/4	7/32
3/32	C2 1/2	C2 1/2-SS	C2 1/2-316SS	C2 1/2-NP		9/32	1/4	7/32
1/8	C3	C3-SS	C3-316SS	C3-NP		5/16	5/16	5/16
5/32 / 4mm	C3 1/2	C3 1/2-SS	C3 1/2-316SS	C3 1/2-NP		5/16	5/16	5/16
.170	C4	C4-SS	C4-316SS	C4-NP	Consult Factory	5/16	3/8	11/32
3/16	C5	C5-SS	C5-316SS	C5-NP		3/8	Consult Factory	3/8
7/32	C5 1/2	C5 1/2-SS	C5 1/2-316SS	C5 1/2-NP		3/8		3/8
6mm	C5 3/4	C5 3/4-SS	C5 3/4-316SS	C5 3/4-NP		3/8	Consult Factory	1/2
1/4	C6	C6-SS	C6-316SS	C6-NP		7/16		1/2

913

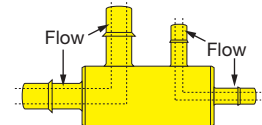
Reducing Coupling (Mixed Branch) Manifold Elbows

Branches		Dimensions (Reference)			
Tube ID	Branch Number	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 Number	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	1/2
1/4	6		7/16	Consult	1/2



Use the template below to indicate branch size!



Unless otherwise specified, parts will be Brass. To order 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

Mixed Branch Couplin Manifold Template for Branch Sizes and Locations

To Use:

Indicate the desired location of each branch by writing the numbers 1 through 9 (1 = 1st Branch, etc.) on coupling diagram below. Mark the coordinating Branch Number (size) in the chart below. Mark the desired end branch sizes in the areas provided on the diagram. Reference tables above and on page 496 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 body will vary depending on the branch sizes desired.

Consult factory for details!



Branch Numbers:

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) = _____

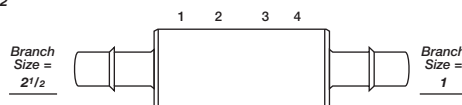
*Part numbers will vary depending on branch configuration

Examples:

RCM-2 1/2-1-2 1/2 x 2 - 1 x 2

Coupling Manifold
#2 1/2 End Branch -
#1 End Branch
Two #2 1/2 Branches
(1st, 2nd)

Two #1 Branches
(3rd, 4th)
(see sample image
on page 496)

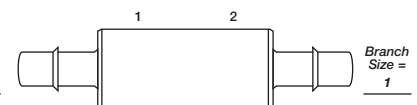


Branch Numbers:

1st Branch (1) = 2 1/2 4th Branch (4) = 1 7th Branch (7) = n/a
2nd Branch (2) = 2 1/2 5th Branch (5) = n/a 8th Branch (8) = n/a
3rd Branch (3) = 1 6th Branch (6) = n/a 9th Branch (9) = n/a

RCML-3 - 1 x 3 - 1

Coupling Manifold Elbow
#3 End Branch -
#1 End Branch
#3 Branches(1st)
#1 Branches (2nd)
(see sample image above)



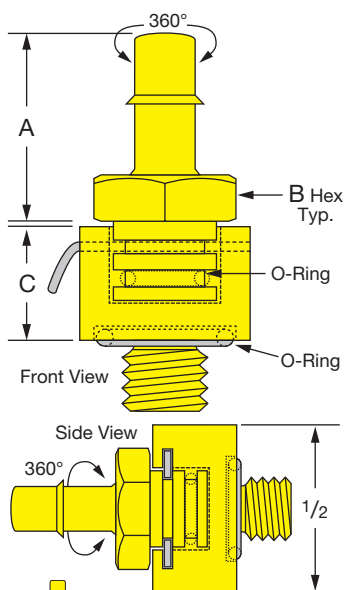
Branch Numbers:

1st Branch (1) = 2 4th Branch (4) = n/a 7th Branch (7) = n/a
2nd Branch (2) = 1 5th Branch (5) = n/a 8th Branch (8) = n/a
3rd Branch (3) = 1 6th Branch (6) = n/a 9th Branch (9) = n/a

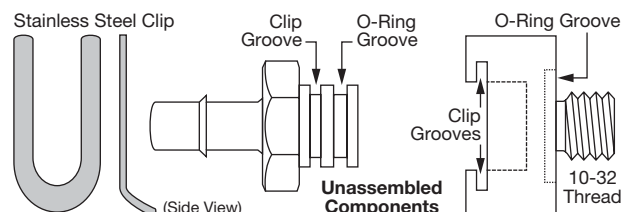
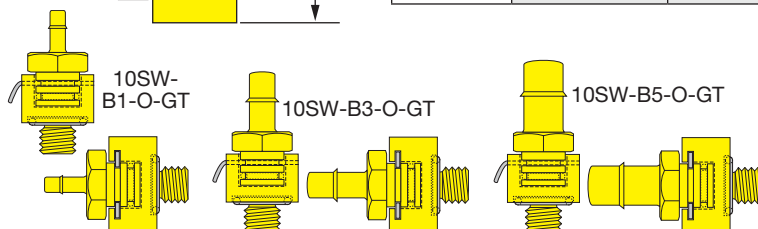


10-32 Male Thread to Tube Swivel Fittings with Clip Groove

914



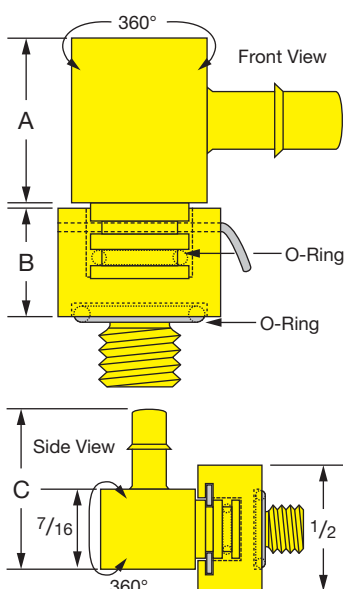
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	10SW-B1-O-GT	10SW-B1-O-SS-GT	10SW-B1-O-316SS-GT	10SW-B1-O-NP-GT	9/32	5/16	1/4
5/64 / 2mm	10SW-B2-O-GT	10SW-B2-O-SS-GT	10SW-B2-O-316SS-GT	10SW-B2-O-NP-GT	9/32	5/16	1/4
3/32	10SW-B2 1/2-O-GT	10SW-B2 1/2-O-SS-GT	10SW-B2 1/2-O-316SS-GT	10SW-B2 1/2-O-NP-GT	9/32	5/16	1/4
1/8	10SW-B3-O-GT	10SW-B3-O-SS-GT	10SW-B3-O-316SS-GT	10SW-B3-O-NP-GT	7/16	5/16	1/4
5/32 / 4mm	10SW-B3 1/2-O-GT	10SW-B3 1/2-O-SS-GT	10SW-B3 1/2-O-316SS-GT	10SW-B3 1/2-O-NP-GT	7/16	5/16	1/4
.170	10SW-B4-O-GT	10SW-B4-O-SS-GT	10SW-B4-O-316SS-GT	10SW-B4-O-NP-GT	7/16	5/16	1/4
3/16	10SW-B5-O-GT	10SW-B5-O-SS-GT	10SW-B5-O-316SS-GT	10SW-B5-O-NP-GT	3/8	5/16	1/4
7/32	10SW-B5 1/2-O-GT	10SW-B5 1/2-O-SS-GT	10SW-B5 1/2-O-316SS-GT	10SW-B5 1/2-O-NP-GT	3/8	5/16	1/4
6mm	10SW-B5 3/4-O-GT	10SW-B5 3/4-O-SS-GT	10SW-B5 3/4-O-316SS-GT	10SW-B5 3/4-O-NP-GT	1/2	5/16	1/4
1/4	10SW-B6-O-GT	10SW-B6-O-SS-GT	10SW-B6-O-316SS-GT	10SW-B6-O-NP-GT	1/2	5/16	1/4



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

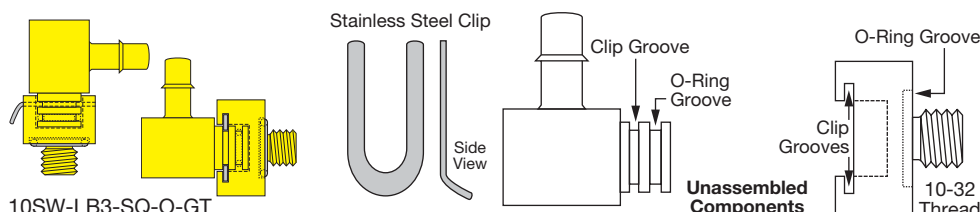
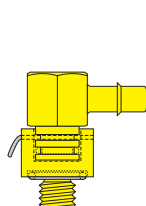
10-32 Male Thread to Tube Swivel Elbows with Square Bodies & Clip Groove

915



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-SS-GT	10SW-LB1-SQ-O-316SS-GT	10SW-LB1-SQ-O-NP-GT	.380	1/4	19/32
5/64 / 2mm	10SW-LB2-SQ-O-GT	10SW-LB2-SQ-O-SS-GT	10SW-LB2-SQ-O-316SS-GT	10SW-LB2-SQ-O-NP-GT	.380	1/4	19/32
3/32	10SW-LB2 1/2-SQ-O-GT	10SW-LB2 1/2-SQ-O-SS-GT	10SW-LB2 1/2-SQ-O-316SS-GT	10SW-LB2 1/2-SQ-O-NP-GT	.380	1/4	19/32
1/8	10SW-LB3-SQ-O-GT	10SW-LB3-SQ-O-SS-GT	10SW-LB3-SQ-O-316SS-GT	10SW-LB3-SQ-O-NP-GT	.380	1/4	5/8
5/32 / 4mm	10SW-LB3 1/2-SQ-O-GT	10SW-LB3 1/2-SQ-O-SS-GT	10SW-LB3 1/2-SQ-O-316SS-GT	10SW-LB3 1/2-SQ-O-NP-GT	.380	1/4	5/8
.170	10SW-LB4-SQ-O-GT	10SW-LB4-SQ-O-SS-GT	10SW-LB4-SQ-O-316SS-GT	10SW-LB4-SQ-O-NP-GT	.380	1/4	5/8
3/16	10SW-LB5-SQ-O-GT	10SW-LB5-SQ-O-SS-GT	10SW-LB5-SQ-O-316SS-GT	10SW-LB5-SQ-O-NP-GT	.380	1/4	1 1/16
7/32	10SW-LB5 1/2-SQ-O-GT	10SW-LB5 1/2-SQ-O-SS-GT	10SW-LB5 1/2-SQ-O-316SS-GT	10SW-LB5 1/2-SQ-O-NP-GT	.380	1/4	1 1/16
6mm	10SW-LB5 3/4-SQ-O-GT	10SW-LB5 3/4-SQ-O-SS-GT	10SW-LB5 3/4-SQ-O-316SS-GT	10SW-LB5 3/4-SQ-O-NP-GT	.380	1/4	1 3/16
1/4	10SW-LB6-SQ-O-GT	10SW-LB6-SQ-O-SS-GT	10SW-LB6-SQ-O-316SS-GT	10SW-LB6-SQ-O-NP-GT	.380	1/4	1 3/16

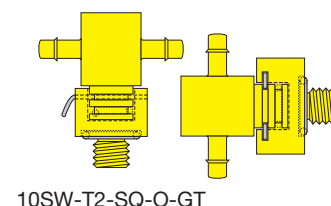
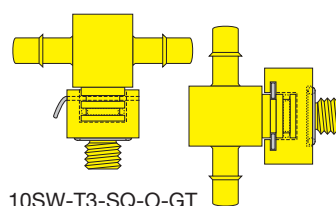
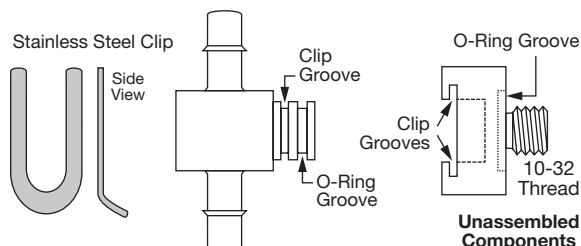
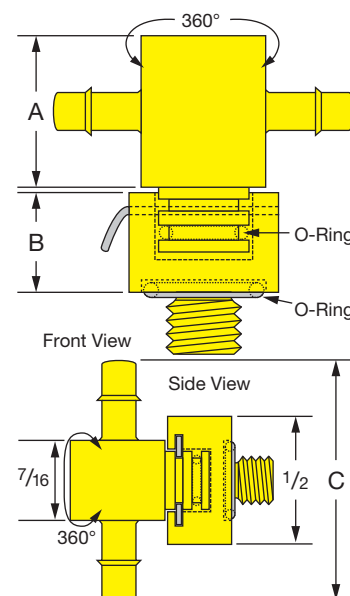
10-32 Swivel Elbows with Hex Bodies also available! Consult Factory for Details!



916

10-32 Male Thread to Tube Swivel Tees with Square Bodies & Clip Groove

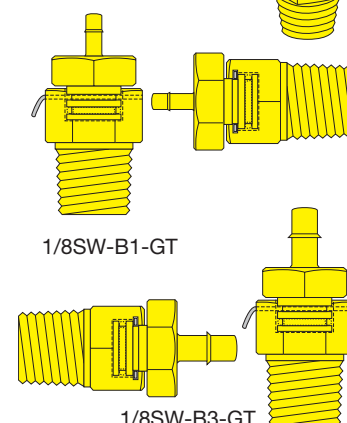
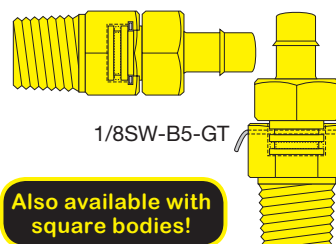
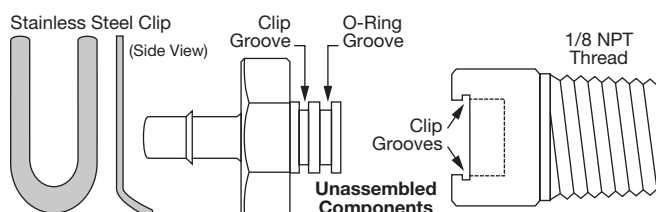
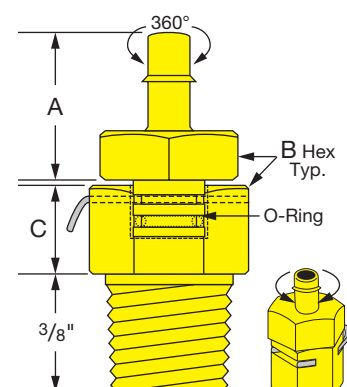
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Ref.	C Ref.
1/16	10SW-T1-SQ-O-GT	10SW-T1-SQ-O-SS-GT	10SW-T1-SQ-O-316SS-GT	10SW-T1-SQ-O-NP-GT	.380	1/4	7/8
5/64 / 2mm	10SW-T2-SQ-O-GT	10SW-T2-SQ-O-SS-GT	10SW-T2-SQ-O-316SS-GT	10SW-T2-SQ-O-NP-GT	.380	1/4	7/8
3/32	10SW-T2 1/2-SQ-O-GT	10SW-T2 1/2-SQ-O-SS-GT	10SW-T2 1/2-SQ-O-316SS-GT	10SW-T2 1/2-SQ-O-NP-GT	.380	1/4	7/8
1/8	10SW-T3-SQ-O-GT	10SW-T3-SQ-O-SS-GT	10SW-T3-SQ-O-316SS-GT	10SW-T3-SQ-O-NP-GT	.380	1/4	1 5/16
5/32 / 4mm	10SW-T3 1/2-SQ-O-GT	10SW-T3 1/2-SQ-O-SS-GT	10SW-T3 1/2-SQ-O-316SS-GT	10SW-T3 1/2-SQ-O-NP-GT	.380	1/4	1 5/16
.170	10SW-T4-SQ-O-GT	10SW-T4-SQ-O-SS-GT	10SW-T4-SQ-O-316SS-GT	10SW-T4-SQ-O-NP-GT	.380	1/4	1 5/16
3/16	10SW-T5-SQ-O-GT	10SW-T5-SQ-O-SS-GT	10SW-T5-SQ-O-316SS-GT	10SW-T5-SQ-O-NP-GT	.380	1/4	1 1/16
7/32	10SW-T5 1/2-SQ-O-GT	10SW-T5 1/2-SQ-O-SS-GT	10SW-T5 1/2-SQ-O-316SS-GT	10SW-T5 1/2-SQ-O-NP-GT	.380	1/4	1 1/16
6mm	10SW-T5 3/4-SQ-O-GT	10SW-T5 3/4-SQ-O-SS-GT	10SW-T5 3/4-SQ-O-316SS-GT	10SW-T5 3/4-SQ-O-NP-GT	.380	1/4	1 3/16
1/4	10SW-T6-SQ-O-GT	10SW-T6-SQ-O-SS-GT	10SW-T6-SQ-O-316SS-GT	10SW-T6-SQ-O-NP-GT	.380	1/4	1 3/16



917

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

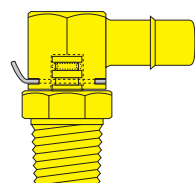
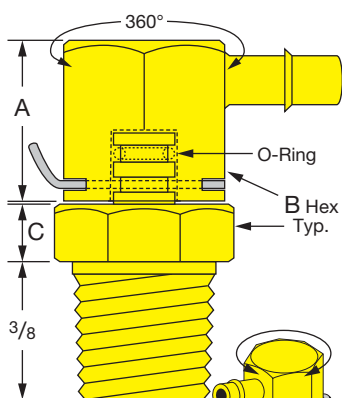
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	1/8SW-B1-GT	1/8SW-B1-SS-GT	1/8SW-B1-316SS-GT	1/8SW-B1-NP-GT	7/32	7/16	Consult Factory
5/64 / 2mm	1/8SW-B2-GT	1/8SW-B2-SS-GT	1/8SW-B2-316SS-GT	1/8SW-B2-NP-GT	7/32	7/16	
3/32	1/8SW-B2 1/2-GT	1/8SW-B2 1/2-SS-GT	1/8SW-B2 1/2-316SS-GT	1/8SW-B2 1/2-NP-GT	7/32	7/16	
1/8	1/8SW-B3-GT	1/8SW-B3-SS-GT	1/8SW-B3-316SS-GT	1/8SW-B3-NP-GT	5/16	7/16	
5/32 / 4mm	1/8SW-B3 1/2-GT	1/8SW-B3 1/2-SS-GT	1/8SW-B3 1/2-316SS-GT	1/8SW-B3 1/2-NP-GT	5/16	7/16	
.170	1/8SW-B4-GT	1/8SW-B4-SS-GT	1/8SW-B4-316SS-GT	1/8SW-B4-NP-GT	5/16	7/16	
3/16	1/8SW-B5-GT	1/8SW-B5-SS-GT	1/8SW-B5-316SS-GT	1/8SW-B5-NP-GT	7/16	7/16	
7/32	1/8SW-B5 1/2-GT	1/8SW-B5 1/2-SS-GT	1/8SW-B5 1/2-316SS-GT	1/8SW-B5 1/2-NP-GT	7/16	7/16	
6mm	1/8SW-B5 3/4-GT	1/8SW-B5 3/4-SS-GT	1/8SW-B5 3/4-316SS-GT	1/8SW-B5 3/4-NP-GT	1/2	7/16	
1/4	1/8SW-B6-GT	1/8SW-B6-SS-GT	1/8SW-B6-316SS-GT	1/8SW-B6-NP-GT	1/2	7/16	



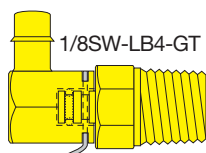
Also available with square bodies!



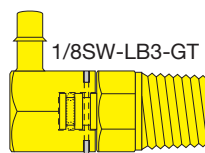
N2

1/8 NPT Male Thread to Tube Swivel Elbows with Clip Groove**918**

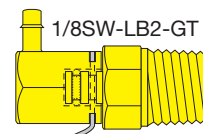
1/8SW-LB6-GT



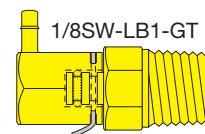
1/8SW-LB4-GT



1/8SW-LB3-GT

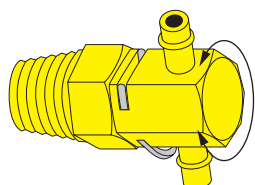
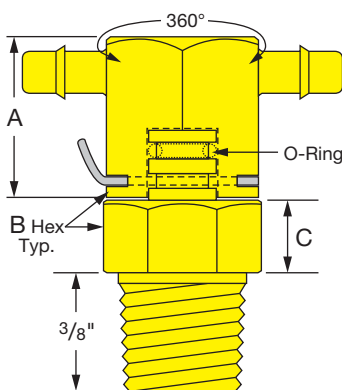


1/8SW-LB2-GT

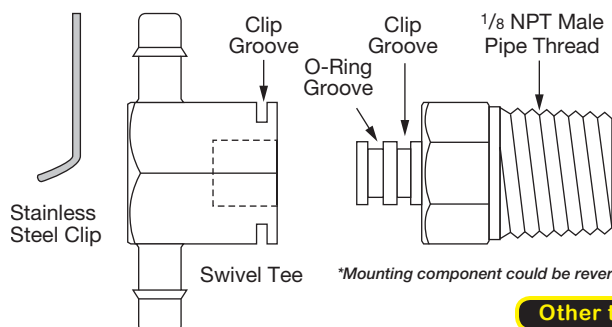
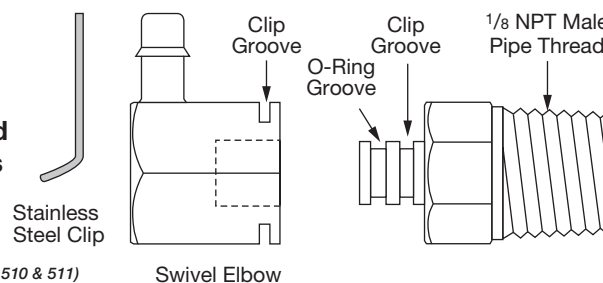


1/8SW-LB1-GT

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

1/8 NPT Male Thread to Tube Swivel Tees with Clip Groove**919**

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-SS-GT	1/8SW-T1-316SS-GT	1/8SW-T1-NP-GT	Consult Factory	Consult Factory	Consult Factory
5/64 / 2mm	1/8SW-T2-GT	1/8SW-T2-SS-GT	1/8SW-T2-316SS-GT	1/8SW-T2-NP-GT	Consult Factory	Consult Factory	Consult Factory
3/32	1/8SW-T2 1/2-GT	1/8SW-T2 1/2-SS-GT	1/8SW-T2 1/2-316SS-GT	1/8SW-T2 1/2-NP-GT	Consult Factory	Consult Factory	Consult Factory
1/8	1/8SW-T3-GT	1/8SW-T3-SS-GT	1/8SW-T3-316SS-GT	1/8SW-T3-NP-GT	Consult Factory	Consult Factory	Consult Factory
5/32 / 4mm	1/8SW-T3 1/2-GT	1/8SW-T3 1/2-SS-GT	1/8SW-T3 1/2-316SS-GT	1/8SW-T3 1/2-NP-GT	Consult Factory	Consult Factory	Consult Factory
.170	1/8SW-T4-GT	1/8SW-T4-SS-GT	1/8SW-T4-316SS-GT	1/8SW-T4-NP-GT	Consult Factory	Consult Factory	Consult Factory
3/16	1/8SW-T5-GT	1/8SW-T5-SS-GT	1/8SW-T5-316SS-GT	1/8SW-T5-NP-GT	Consult Factory	Consult Factory	Consult Factory
7/32	1/8SW-T5 1/2-GT	1/8SW-T5 1/2-SS-GT	1/8SW-T5 1/2-316SS-GT	1/8SW-T5 1/2-NP-GT	Consult Factory	Consult Factory	Consult Factory
6mm	1/8SW-T5 3/4-GT	1/8SW-T5 3/4-SS-GT	1/8SW-T5 3/4-316SS-GT	1/8SW-T5 3/4-NP-GT	Consult Factory	Consult Factory	Consult Factory
1/4	1/8SW-T6-GT	1/8SW-T6-SS-GT	1/8SW-T6-316SS-GT	1/8SW-T6-NP-GT	Consult Factory	Consult Factory	Consult Factory

**Unassembled Components**

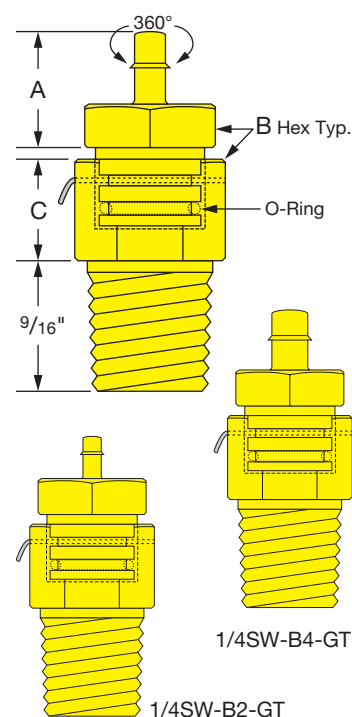
Swivel Elbow

Other thread sizes available! See other options listed throughout this catalog!

920

1/4 NPT Male Thread to Tube Swivel Fittings with Clip Groove

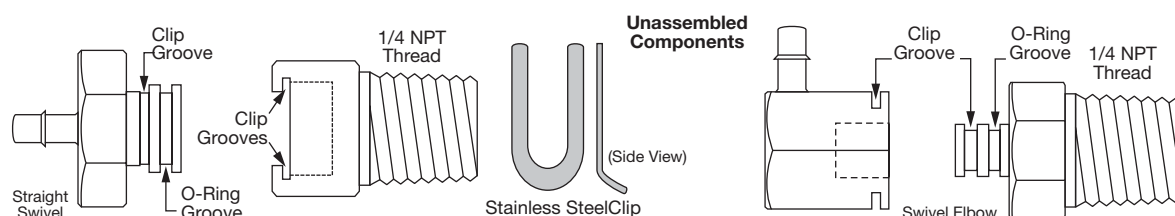
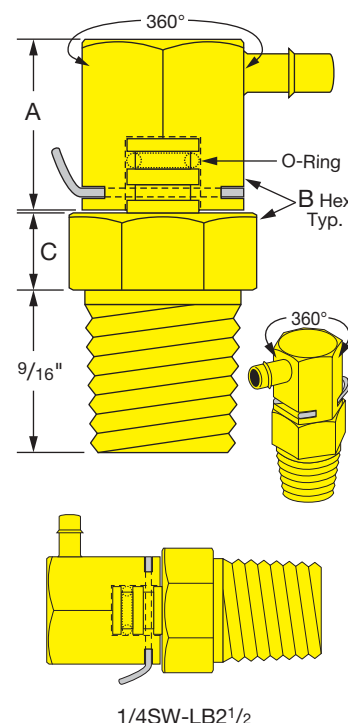
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	1/4SW-B1-GT	1/4SW-B1-SS-GT	1/4SW-B1-316SS-GT	1/4SW-B1-NP-GT	13/32	9/16	Consult Factory Consult Factory Consult Factory
5/64 / 2mm	1/4SW-B2-GT	1/4SW-B2-SS-GT	1/4SW-B2-316SS-GT	1/4SW-B2-NP-GT	13/32	9/16	
3/32	1/4SW-B2 1/2-GT	1/4SW-B2 1/2-SS-GT	1/4SW-B2 1/2-316SS-GT	1/4SW-B2 1/2-NP-GT	13/32	9/16	
1/8	1/4SW-B3-GT	1/4SW-B3-SS-GT	1/4SW-B3-316SS-GT	1/4SW-B3-NP-GT	1/2	9/16	
5/32 / 4mm	1/4SW-B3 1/2-GT	1/4SW-B3 1/2-SS-GT	1/4SW-B3 1/2-316SS-GT	1/4SW-B3 1/2-NP-GT	1/2	9/16	
.170	1/4SW-B4-GT	1/4SW-B4-SS-GT	1/4SW-B4-316SS-GT	1/4SW-B4-NP-GT	17/32	9/16	
3/16	1/4SW-B5-GT	1/4SW-B5-SS-GT	1/4SW-B5-316SS-GT	1/4SW-B5-NP-GT	9/16	9/16	
7/32	1/4SW-B5 1/2-GT	1/4SW-B5 1/2-SS-GT	1/4SW-B5 1/2-316SS-GT	1/4SW-B5 1/2-NP-GT	9/16	9/16	
6mm	1/4SW-B5 3/4-GT	1/4SW-B5 3/4-SS-GT	1/4SW-B5 3/4-316SS-GT	1/4SW-B5 3/4-NP-GT	1 1/16	9/16	
1/4	1/4SW-B6-GT	1/4SW-B6-SS-GT	1/4SW-B6-316SS-GT	1/4SW-B6-NP-GT	1 1/16	9/16	
5/8 / 8mm	1/4SW-B7-GT	1/4SW-B7-SS-GT	1/4SW-B7-316SS-GT	1/4SW-B7-NP-GT	1 3/16	9/16	
3/8	1/4SW-B8-GT	1/4SW-B8-SS-GT	1/4SW-B8-316SS-GT	1/4SW-B8-NP-GT	23/32	9/16	
1/2	1/4SW-B10-GT	1/4SW-B10-SS-GT	1/4SW-B10-316SS-GT	1/4SW-B10-NP-GT	1	5/8	



921

1/4 NPT Male Thread to Tube Swivel Elbows with Clip Groove

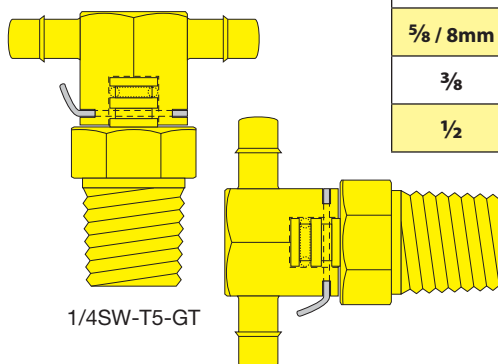
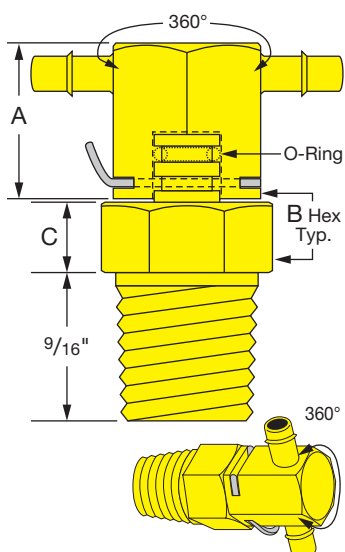
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	1/4SW-LB1-GT	1/4SW-LB1-SS-GT	1/4SW-LB1-316SS-GT	1/4SW-LB1-NP-GT	Consult Factory Consult Factory Consult Factory	Consult Factory Consult Factory Consult Factory	Consult Factory Consult Factory Consult Factory
5/64 / 2mm	1/4SW-LB2-GT	1/4SW-LB2-SS-GT	1/4SW-LB2-316SS-GT	1/4SW-LB2-NP-GT			
3/32	1/4SW-LB2 1/2-GT	1/4SW-LB2 1/2-SS-GT	1/4SW-LB2 1/2-316SS-GT	1/4SW-LB2 1/2-NP-GT			
1/8	1/4SW-LB3-GT	1/4SW-LB3-SS-GT	1/4SW-LB3-316SS-GT	1/4SW-LB3-NP-GT			
5/32 / 4mm	1/4SW-LB3 1/2-GT	1/4SW-LB3 1/2-SS-GT	1/4SW-LB3 1/2-316SS-GT	1/4SW-LB3 1/2-NP-GT			
.170	1/4SW-LB4-GT	1/4SW-LB4-SS-GT	1/4SW-LB4-316SS-GT	1/4SW-LB4-NP-GT			
3/16	1/4SW-LB5-GT	1/4SW-LB5-SS-GT	1/4SW-LB5-316SS-GT	1/4SW-LB5-NP-GT			
7/32	1/4SW-LB5 1/2-GT	1/4SW-LB5 1/2-SS-GT	1/4SW-LB5 1/2-316SS-GT	1/4SW-LB5 1/2-NP-GT			
6mm	1/4SW-LB5 3/4-GT	1/4SW-LB5 3/4-SS-GT	1/4SW-LB5 3/4-316SS-GT	1/4SW-LB5 3/4-NP-GT			
1/4	1/4SW-LB6-GT	1/4SW-LB6-SS-GT	1/4SW-LB6-316SS-GT	1/4SW-LB6-NP-GT			
5/8 / 8mm	1/4SW-LB7-GT	1/4SW-LB7-SS-GT	1/4SW-LB7-316SS-GT	1/4SW-LB7-NP-GT			
3/8	1/4SW-LB8-GT	1/4SW-LB8-SS-GT	1/4SW-LB8-316SS-GT	1/4SW-LB8-NP-GT			
1/2	1/4SW-LB10-GT	1/4SW-LB10-SS-GT	1/4SW-LB10-316SS-GT	1/4SW-LB10-NP-GT			



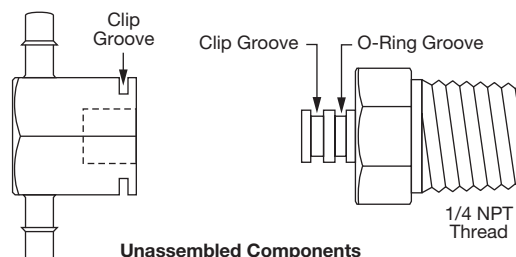
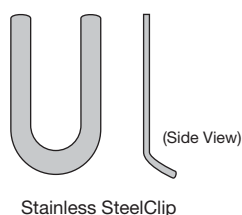
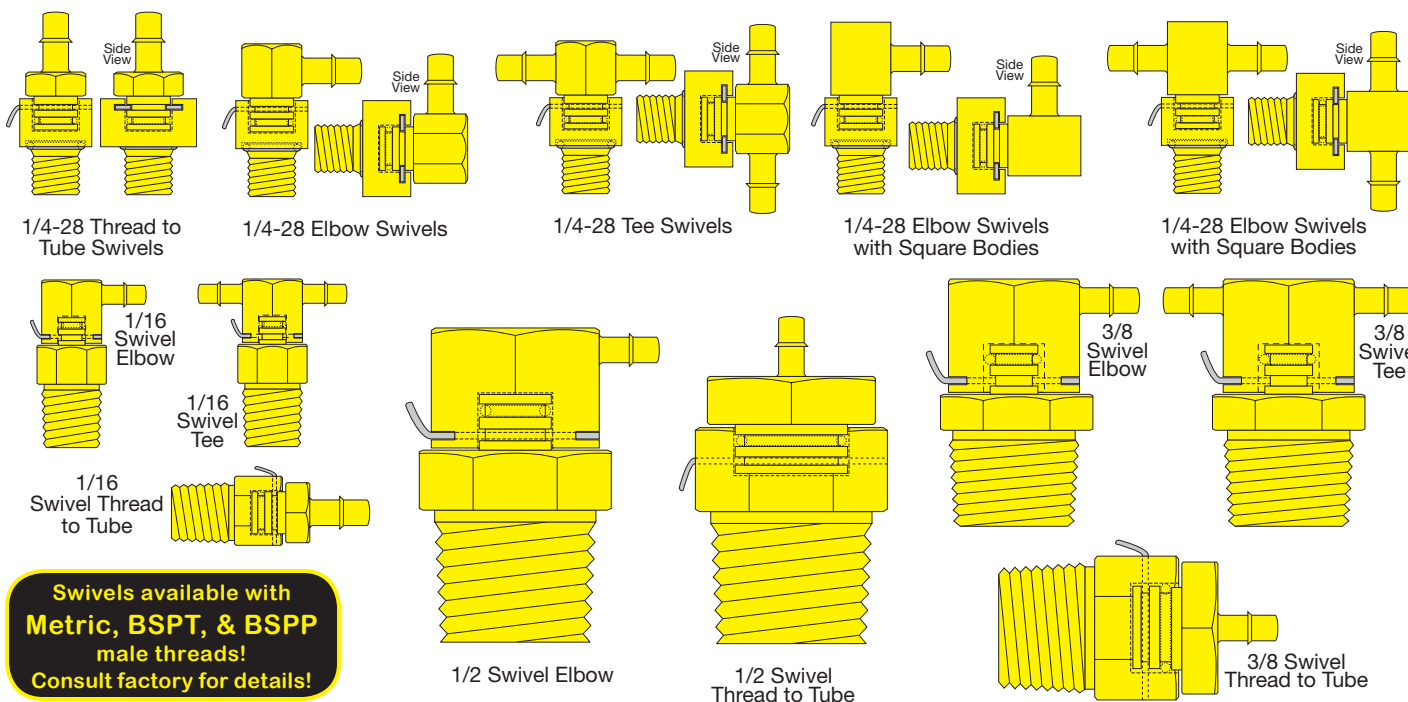
Note:
Images are for visual
representation only; not
intended for dimensional
measurements.
Dimensions may vary
at time of manufacturing.
Consult factory for more
information!



N2

1/4 NPT Male Thread to Tube Swivel Tees with Clip Groove**922**

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-SS-GT	1/4SW-T1-316SS-GT	1/4SW-T1-NP-GT	Consult Factory	Consult Factory	Consult Factory
5/64 / 2mm	1/4SW-T2-GT	1/4SW-T2-SS-GT	1/4SW-T2-316SS-GT	1/4SW-T2-NP-GT	Consult Factory	Consult Factory	Consult Factory
3/32	1/4SW-T2 1/2-GT	1/4SW-T2 1/2-SS-GT	1/4SW-T2 1/2-316SS-GT	1/4SW-T2 1/2-NP-GT	Consult Factory	Consult Factory	Consult Factory
1/8	1/4SW-T3-GT	1/4SW-T3-SS-GT	1/4SW-T3-316SS-GT	1/4SW-T3-NP-GT	Consult Factory	Consult Factory	Consult Factory
5/32 / 4mm	1/4SW-T3 1/2-GT	1/4SW-T3 1/2-SS-GT	1/4SW-T3 1/2-316SS-GT	1/4SW-T3 1/2-NP-GT	Consult Factory	Consult Factory	Consult Factory
.170	1/4SW-T4-GT	1/4SW-T4-SS-GT	1/4SW-T4-316SS-GT	1/4SW-T4-NP-GT	Consult Factory	Consult Factory	Consult Factory
3/16	1/4SW-T5-GT	1/4SW-T5-SS-GT	1/4SW-T5-316SS-GT	1/4SW-T5-NP-GT	Consult Factory	Consult Factory	Consult Factory
7/32	1/4SW-T5 1/2-GT	1/4SW-T5 1/2-SS-GT	1/4SW-T5 1/2-316SS-GT	1/4SW-T5 1/2-NP-GT	Consult Factory	Consult Factory	Consult Factory
6mm	1/4SW-T5 3/4-GT	1/4SW-T5 3/4-SS-GT	1/4SW-T5 3/4-316SS-GT	1/4SW-T5 3/4-NP-GT	Consult Factory	Consult Factory	Consult Factory
1/4	1/4SW-T6-GT	1/4SW-T6-SS-GT	1/4SW-T6-316SS-GT	1/4SW-T6-NP-GT	Consult Factory	Consult Factory	Consult Factory
5/8 / 8mm	1/4SW-T7-GT	1/4SW-T7-SS-GT	1/4SW-T7-316SS-GT	1/4SW-T7-NP-GT	Consult Factory	Consult Factory	Consult Factory
3/8	1/4SW-T8-GT	1/4SW-T8-SS-GT	1/4SW-T8-316SS-GT	1/4SW-T8-NP-GT	Consult Factory	Consult Factory	Consult Factory
1/2	1/4SW-T10-GT	1/4SW-T10-SS-GT	1/4SW-T10-316SS-GT	1/4SW-T10-NP-GT	Consult Factory	Consult Factory	Consult Factory

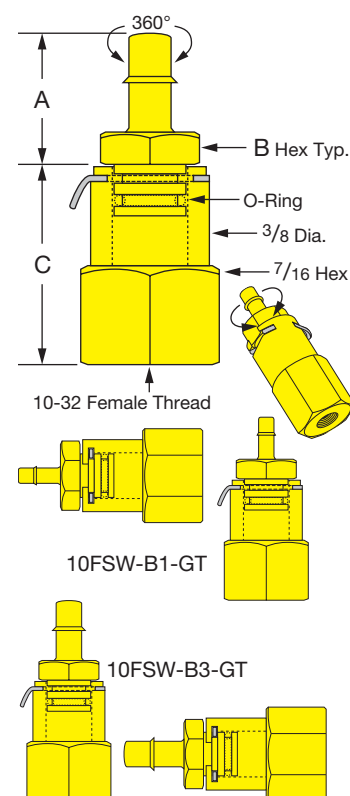
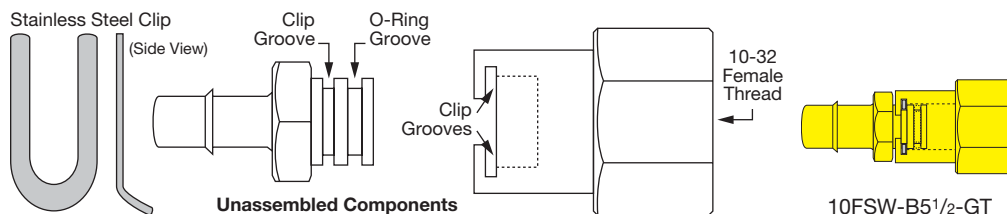
**Swivel Tees also available with Square Bodies!****Custom Swivel Fittings with Other Male Threads**

**Swivels available with
Metric, BSPT, & BSPP
male threads!
Consult factory for details!**

923

10-32 Female Thread to Tube Swivel Fittings with Clip Groove

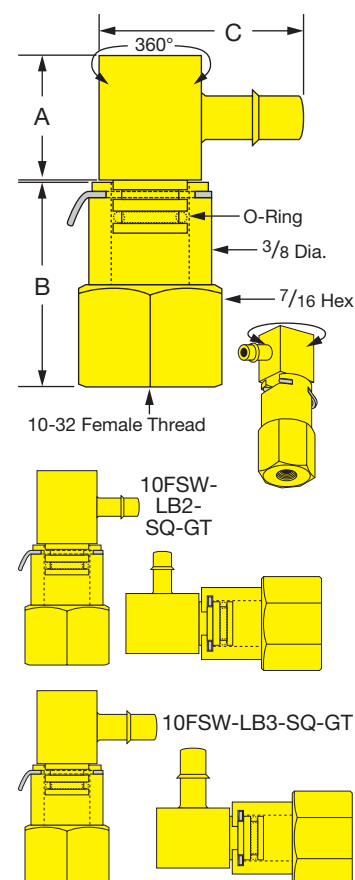
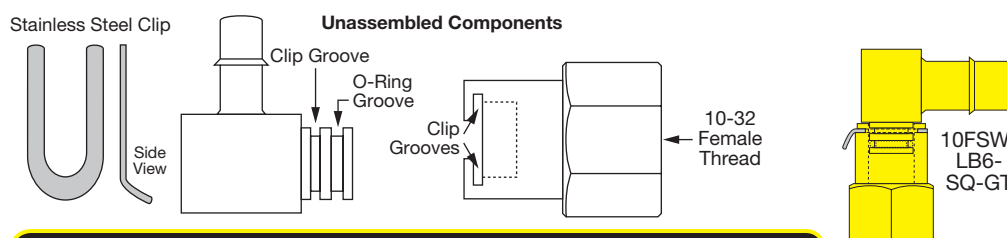
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	10FSW-B1-GT	10FSW-B1-SS-GT	10FSW-B1-316SS-GT	10FSW-B1-NP-GT	9/32	5/16	5/8
5/64 / 2mm	10FSW-B2-GT	10FSW-B2-SS-GT	10FSW-B2-316SS-GT	10FSW-B2-NP-GT	9/32	5/16	5/8
3/32	10FSW-B2 1/2-GT	10FSW-B2 1/2-SS-GT	10FSW-B2 1/2-316SS-GT	10FSW-B2 1/2-NP-GT	9/32	5/16	5/8
1/8	10FSW-B3-GT	10FSW-B3-SS-GT	10FSW-B3-316SS-GT	10FSW-B3-NP-GT	7/16	5/16	5/8
5/32 / 4mm	10FSW-B3 1/2-GT	10FSW-B3 1/2-SS-GT	10FSW-B3 1/2-316SS-GT	10FSW-B3 1/2-NP-GT	7/16	5/16	5/8
.170	10FSW-B4-GT	10FSW-B4-SS-GT	10FSW-B4-316SS-GT	10FSW-B4-NP-GT	7/16	5/16	5/8
3/16	10FSW-B5-GT	10FSW-B5-SS-GT	10FSW-B5-316SS-GT	10FSW-B5-NP-GT	3/8	5/16	5/8
7/32	10FSW-B5 1/2-GT	10FSW-B5 1/2-SS-GT	10FSW-B5 1/2-316SS-GT	10FSW-B5 1/2-NP-GT	3/8	5/16	5/8
6mm	10FSW-B5 3/4-GT	10FSW-B5 3/4-SS-GT	10FSW-B5 3/4-316SS-GT	10FSW-B5 3/4-NP-GT	1/2	5/16	5/8
1/4	10FSW-B6-GT	10FSW-B6-SS-GT	10FSW-B6-316SS-GT	10FSW-B6-NP-GT	1/2	5/16	5/8



924

10-32 Female Thread to Tube Swivel Elbows with Square Bodies and Clip Groove

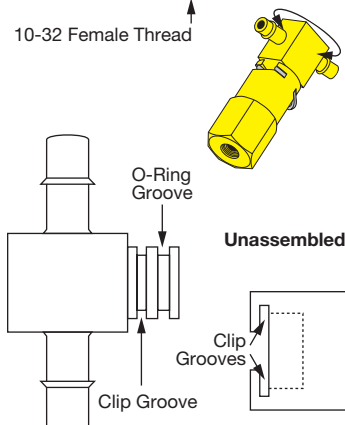
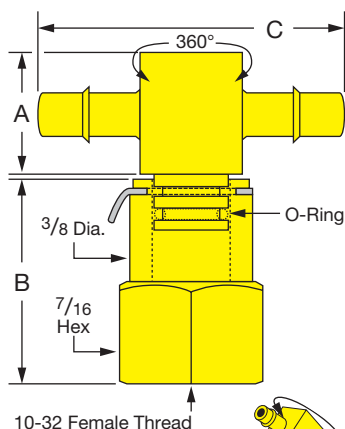
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Ref.	C Ref.
1/16	10FSW-LB1-SQ-GT	10FSW-LB1-SQ-SS-GT	10FSW-LB1-SQ-316SS-GT	10FSW-LB1-SQ-NP-GT	.380	5/8	Consult Factory
5/64 / 2mm	10FSW-LB2-SQ-GT	10FSW-LB2-SQ-SS-GT	10FSW-LB2-SQ-316SS-GT	10FSW-LB2-SQ-NP-GT	.380	5/8	Consult Factory
3/32	10FSW-LB2 1/2-SQ-GT	10FSW-LB2 1/2-SQ-SS-GT	10FSW-LB2 1/2-SQ-316SS-GT	10FSW-LB2 1/2-SQ-NP-GT	.380	5/8	Consult Factory
1/8	10FSW-LB3-SQ-GT	10FSW-LB3-SQ-SS-GT	10FSW-LB3-SQ-316SS-GT	10FSW-LB3-SQ-NP-GT	.380	5/8	Consult Factory
5/32 / 4mm	10FSW-LB3 1/2-SQ-GT	10FSW-LB3 1/2-SQ-SS-GT	10FSW-LB3 1/2-SQ-316SS-GT	10FSW-LB3 1/2-SQ-NP-GT	.380	5/8	Consult Factory
.170	10FSW-LB4-SQ-GT	10FSW-LB4-SQ-SS-GT	10FSW-LB4-SQ-316SS-GT	10FSW-LB4-SQ-NP-GT	.380	5/8	Consult Factory
3/16	10FSW-LB5-SQ-GT	10FSW-LB5-SQ-SS-GT	10FSW-LB5-SQ-316SS-GT	10FSW-LB5-SQ-NP-GT	.380	5/8	Consult Factory
7/32	10FSW-LB5 1/2-SQ-GT	10FSW-LB5 1/2-SQ-SS-GT	10FSW-LB5 1/2-SQ-316SS-GT	10FSW-LB5 1/2-SQ-NP-GT	.380	5/8	Consult Factory
6mm	10FSW-LB5 3/4-SQ-GT	10FSW-LB5 3/4-SQ-SS-GT	10FSW-LB5 3/4-SQ-316SS-GT	10FSW-LB5 3/4-SQ-NP-GT	.380	5/8	Consult Factory
1/4	10FSW-LB6-SQ-GT	10FSW-LB6-SQ-SS-GT	10FSW-LB6-SQ-316SS-GT	10FSW-LB6-SQ-NP-GT	.380	5/8	Consult Factory



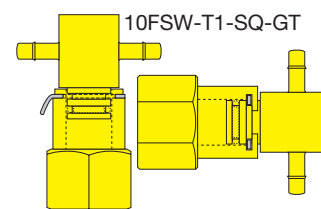
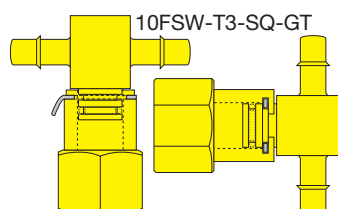
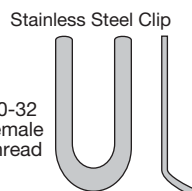
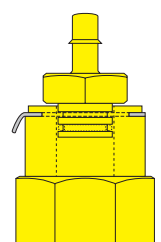
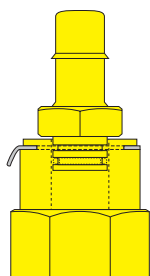
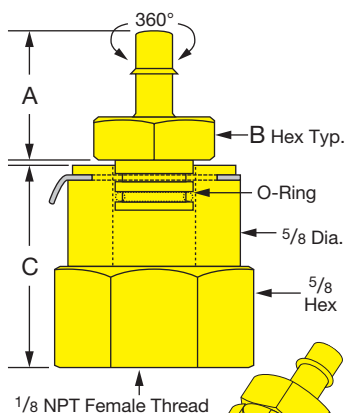
Swivel Elbows also Available with Hex Bodies! Consult Factory for Details!



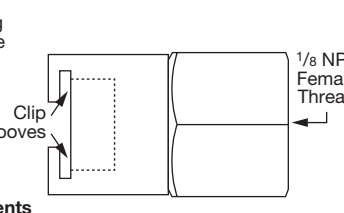
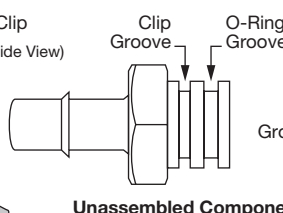
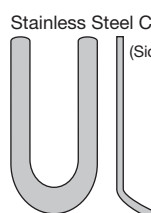
N2

10-32 Female Thread to Tube Swivel Tees with Square Bodies and Clip Groove**925**

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-SS-GT	10FSW-T1-SQ-316SS-GT	10FSW-T1-SQ-NP-GT	.380	5/8	Consult Factory
5/64 / 2mm	10FSW-T2-SQ-GT	10FSW-T2-SQ-SS-GT	10FSW-T2-SQ-316SS-GT	10FSW-T2-SQ-NP-GT	.380	5/8	Consult Factory
3/32	10FSW-T2 1/2-SQ-GT	10FSW-T2 1/2-SQ-SS-GT	10FSW-T2 1/2-SQ-316SS-GT	10FSW-T2 1/2-SQ-NP-GT	.380	5/8	Consult Factory
1/8	10FSW-T3-SQ-GT	10FSW-T3-SQ-SS-GT	10FSW-T3-SQ-316SS-GT	10FSW-T3-SQ-NP-GT	.380	5/8	Consult Factory
5/32 / 4mm	10FSW-T3 1/2-SQ-GT	10FSW-T3 1/2-SQ-SS-GT	10FSW-T3 1/2-SQ-316SS-GT	10FSW-T3 1/2-SQ-NP-GT	.380	5/8	Consult Factory
.170	10FSW-T4-SQ-GT	10FSW-T4-SQ-SS-GT	10FSW-T4-SQ-316SS-GT	10FSW-T4-SQ-NP-GT	.380	5/8	Consult Factory
3/16	10FSW-T5-SQ-GT	10FSW-T5-SQ-SS-GT	10FSW-T5-SQ-316SS-GT	10FSW-T5-SQ-NP-GT	.380	5/8	Consult Factory
7/32	10FSW-T5 1/2-SQ-GT	10FSW-T5 1/2-SQ-SS-GT	10FSW-T5 1/2-SQ-316SS-GT	10FSW-T5 1/2-SQ-NP-GT	.380	5/8	Consult Factory
6mm	10FSW-T5 3/4-SQ-GT	10FSW-T5 3/4-SQ-SS-GT	10FSW-T5 3/4-SQ-316SS-GT	10FSW-T5 3/4-SQ-NP-GT	.380	5/8	Consult Factory
1/4	10FSW-T6-SQ-GT	10FSW-T6-SQ-SS-GT	10FSW-T6-SQ-316SS-GT	10FSW-T6-SQ-NP-GT	.380	5/8	Consult Factory

**1/8 NPT Female Thread to Tube Swivel Fittings with Clip Groove****926**

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-SS-GT	1/8FSW-B1-316SS-GT	1/8FSW-B1-NP-GT	7/32	7/16	.733
5/64 / 2mm	1/8FSW-B2-GT	1/8FSW-B2-SS-GT	1/8FSW-B2-316SS-GT	1/8FSW-B2-NP-GT	7/32	7/16	.733
3/32	1/8FSW-B2 1/2-GT	1/8FSW-B2 1/2-SS-GT	1/8FSW-B2 1/2-316SS-GT	1/8FSW-B2 1/2-NP-GT	7/32	7/16	.733
1/8	1/8FSW-B3-GT	1/8FSW-B3-SS-GT	1/8FSW-B3-316SS-GT	1/8FSW-B3-NP-GT	5/16	7/16	.733
5/32 / 4mm	1/8FSW-B3 1/2-GT	1/8FSW-B3 1/2-SS-GT	1/8FSW-B3 1/2-316SS-GT	1/8FSW-B3 1/2-NP-GT	5/16	7/16	.733
.170	1/8FSW-B4-GT	1/8FSW-B4-SS-GT	1/8FSW-B4-316SS-GT	1/8FSW-B4-NP-GT	5/16	7/16	.733
3/16	1/8FSW-B5-GT	1/8FSW-B5-SS-GT	1/8FSW-B5-316SS-GT	1/8FSW-B5-NP-GT	7/16	7/16	.733
7/32	1/8FSW-B5 1/2-GT	1/8FSW-B5 1/2-SS-GT	1/8FSW-B5 1/2-316SS-GT	1/8FSW-B5 1/2-NP-GT	7/16	7/16	.733
6mm	1/8FSW-B5 3/4-GT	1/8FSW-B5 3/4-SS-GT	1/8FSW-B5 3/4-316SS-GT	1/8FSW-B5 3/4-NP-GT	1/2	7/16	.733
1/4	1/8FSW-B6-GT	1/8FSW-B6-SS-GT	1/8FSW-B6-316SS-GT	1/8FSW-B6-NP-GT	1/2	7/16	.733



1/8FSW-B6-GT

1/8FSW-B3-GT

1/8FSW-B2 1/2-GT

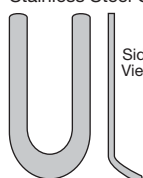
Other Swivel fittings available! See options throughout this catalog!

927

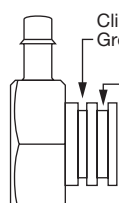
1/8 NPT Female Thread to Tube Swivel Elbows with Clip Groove

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-SS-GT	1/8FSW-LB1-316SS-GT	1/8FSW-LB1-NP-GT	3/16	.733	7/16	7/16
5/64 / 2mm	1/8FSW-LB2-GT	1/8FSW-LB2-SS-GT	1/8FSW-LB2-316SS-GT	1/8FSW-LB2-NP-GT	3/16	.733	7/16	7/16
3/32	1/8FSW-LB2 1/2-GT	1/8FSW-LB2 1/2-SS-GT	1/8FSW-LB2 1/2-316SS-GT	1/8FSW-LB2 1/2-NP-GT	3/16	.733	7/16	7/16
1/8	1/8FSW-LB3-GT	1/8FSW-LB3-SS-GT	1/8FSW-LB3-316SS-GT	1/8FSW-LB3-NP-GT	3/16	.733	17/32	7/16
5/32 / 4mm	1/8FSW-LB3 1/2-GT	1/8FSW-LB3 1/2-SS-GT	1/8FSW-LB3 1/2-316SS-GT	1/8FSW-LB3 1/2-NP-GT	3/16	.733	17/32	7/16
.170	1/8FSW-LB4-GT	1/8FSW-LB4-SS-GT	1/8FSW-LB4-316SS-GT	1/8FSW-LB4-NP-GT	1/4	.733	9/16	7/16
3/16	1/8FSW-LB5-GT	1/8FSW-LB5-SS-GT	1/8FSW-LB5-316SS-GT	1/8FSW-LB5-NP-GT	1/4	.733	19/32	7/16
7/32	1/8FSW-LB5 1/2-GT	1/8FSW-LB5 1/2-SS-GT	1/8FSW-LB5 1/2-316SS-GT	1/8FSW-LB5 1/2-NP-GT	1/4	.733	19/32	7/16
6mm	1/8FSW-LB5 3/4-GT	1/8FSW-LB5 3/4-SS-GT	1/8FSW-LB5 3/4-316SS-GT	1/8FSW-LB5 3/4-NP-GT	5/16	.733	23/32	7/16
1/4	1/8FSW-LB6-GT	1/8FSW-LB6-SS-GT	1/8FSW-LB6-316SS-GT	1/8FSW-LB6-NP-GT	5/16	.733	23/32	7/16

Stainless Steel Clip



Side View



Clip Groove

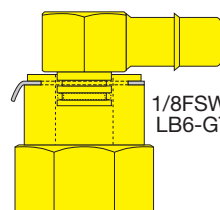
O-Ring Groove

Unassembled Components

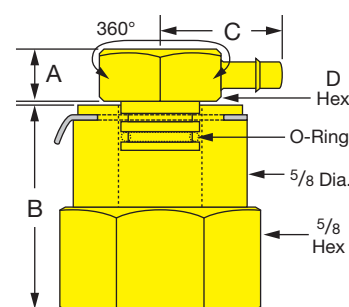
Clip Grooves

Clip Grooves

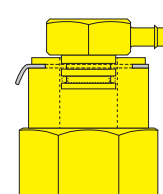
1/8 NPT Female Thread



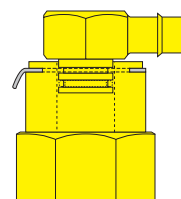
1/8FSW-LB6-GT



1/8 NPT Female Thread



1/8FSW-LB2-GT



1/8FSW-LB4-GT

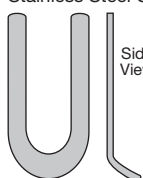
1/8 NPT Swivel Elbows & Tees also available with square bodies!

928

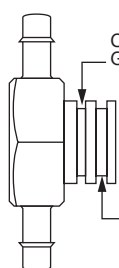
1/8 NPT Female Thread to Tube Swivel Tees with Clip Groove

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-SS-GT	1/8FSW-T1-316SS-GT	1/8FSW-T1-NP-GT	3/16	.733	7/8	7/16
5/64 / 2mm	1/8FSW-T2-GT	1/8FSW-T2-SS-GT	1/8FSW-T2-316SS-GT	1/8FSW-T2-NP-GT	3/16	.733	7/8	7/16
3/32	1/8FSW-T2 1/2-GT	1/8FSW-T2 1/2-SS-GT	1/8FSW-T2 1/2-316SS-GT	1/8FSW-T2 1/2-NP-GT	3/16	.733	7/8	7/16
1/8	1/8FSW-T3-GT	1/8FSW-T3-SS-GT	1/8FSW-T3-316SS-GT	1/8FSW-T3-NP-GT	3/16	.733	1 1/16	7/16
5/32 / 4mm	1/8FSW-T3 1/2-GT	1/8FSW-T3 1/2-SS-GT	1/8FSW-T3 1/2-316SS-GT	1/8FSW-T3 1/2-NP-GT	3/16	.733	1 1/16	7/16
.170	1/8FSW-T4-GT	1/8FSW-T4-SS-GT	1/8FSW-T4-316SS-GT	1/8FSW-T4-NP-GT	1/4	.733	1 3/32	7/16
3/16	1/8FSW-T5-GT	1/8FSW-T5-SS-GT	1/8FSW-T5-316SS-GT	1/8FSW-T5-NP-GT	1/4	.733	1 3/16	7/16
7/32	1/8FSW-T5 1/2-GT	1/8FSW-T5 1/2-SS-GT	1/8FSW-T5 1/2-316SS-GT	1/8FSW-T5 1/2-NP-GT	1/4	.733	1 3/16	7/16
6mm	1/8FSW-T5 3/4-GT	1/8FSW-T5 3/4-SS-GT	1/8FSW-T5 3/4-316SS-GT	1/8FSW-T5 3/4-NP-GT	5/16	.733	1 7/16	7/16
1/4	1/8FSW-T6-GT	1/8FSW-T6-SS-GT	1/8FSW-T6-316SS-GT	1/8FSW-T6-NP-GT	5/16	.733	1 7/16	7/16

Stainless Steel Clip



Side View



Clip Groove

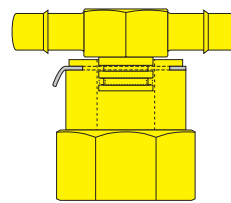
O-Ring Groove

Unassembled Components

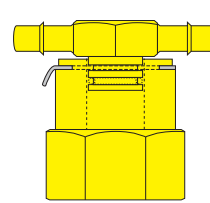
Clip Grooves

Clip Grooves

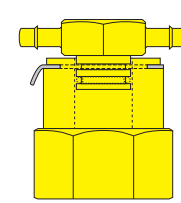
1/8 NPT Female Thread



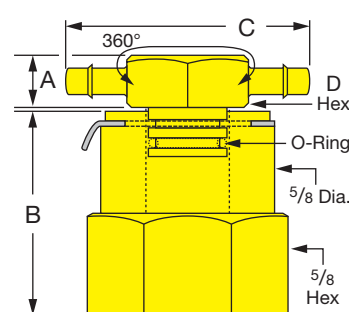
1/8FSW-T5-GT



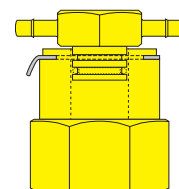
1/8FSW-T3-GT



1/8FSW-T2-GT



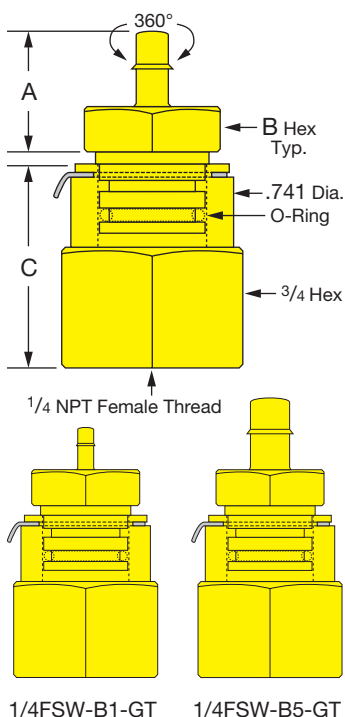
1/8 NPT Female Thread



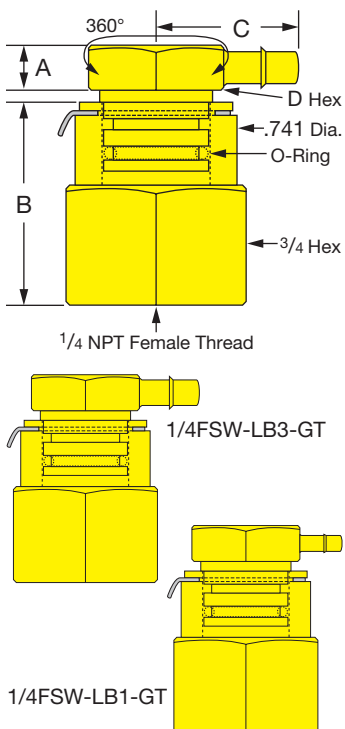
1/8FSW-T1-GT



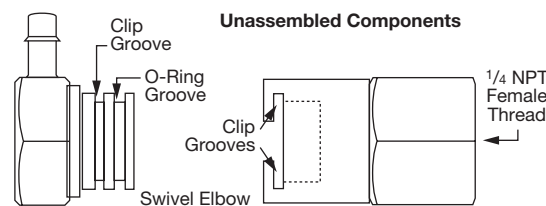
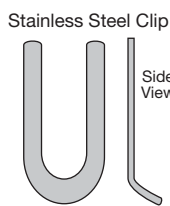
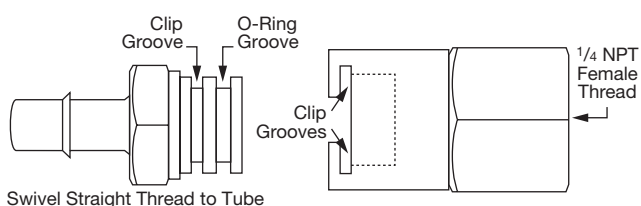
N2

1/4 NPT Female Thread to Tube Swivel Fittings with Clip Groove**929**

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-SS-GT	1/4FSW-B1-316SS-GT	1/4FSW-B1-NP-GT	13/32	9/16	.840
5/64 / 2mm	1/4FSW-B2-GT	1/4FSW-B2-SS-GT	1/4FSW-B2-316SS-GT	1/4FSW-B2-NP-GT	13/32	9/16	.840
3/32	1/4FSW-B2 1/2-GT	1/4FSW-B2 1/2-SS-GT	1/4FSW-B2 1/2-316SS-GT	1/4FSW-B2 1/2-NP-GT	13/32	9/16	.840
1/8	1/4FSW-B3-GT	1/4FSW-B3-SS-GT	1/4FSW-B3-316SS-GT	1/4FSW-B3-NP-GT	1/2	9/16	.840
5/32 / 4mm	1/4FSW-B3 1/2-GT	1/4FSW-B3 1/2-SS-GT	1/4FSW-B3 1/2-316SS-GT	1/4FSW-B3 1/2-NP-GT	1/2	9/16	.840
.170	1/4FSW-B4-GT	1/4FSW-B4-SS-GT	1/4FSW-B4-316SS-GT	1/4FSW-B4-NP-GT	17/32	9/16	.840
3/16	1/4FSW-B5-GT	1/4FSW-B5-SS-GT	1/4FSW-B5-316SS-GT	1/4FSW-B5-NP-GT	9/16	9/16	.840
7/32	1/4FSW-B5 1/2-GT	1/4FSW-B5 1/2-SS-GT	1/4FSW-B5 1/2-316SS-GT	1/4FSW-B5 1/2-NP-GT	9/16	9/16	.840
6mm	1/4FSW-B5 3/4-GT	1/4FSW-B5 3/4-SS-GT	1/4FSW-B5 3/4-316SS-GT	1/4FSW-B5 3/4-NP-GT	11/16	9/16	.840
1/4	1/4FSW-B6-GT	1/4FSW-B6-SS-GT	1/4FSW-B6-316SS-GT	1/4FSW-B6-NP-GT	11/16	9/16	.840
5/8 / 8mm	1/4FSW-B7-GT	1/4FSW-B7-SS-GT	1/4FSW-B7-316SS-GT	1/4FSW-B7-NP-GT	13/16	5/8	.840
3/8	1/4FSW-B8-GT	1/4FSW-B8-SS-GT	1/4FSW-B8-316SS-GT	1/4FSW-B8-NP-GT	23/32	5/8	.840
1/2	1/4FSW-B10-GT	1/4FSW-B10-SS-GT	1/4FSW-B10-316SS-GT	1/4FSW-B10-NP-GT	1	5/8	.840

1/4 NPT Female Thread to Tube Swivel Elbows with Clip Groove**930**

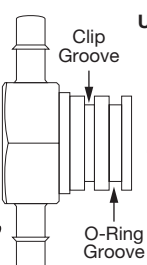
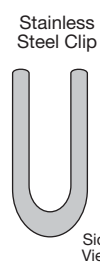
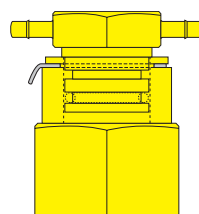
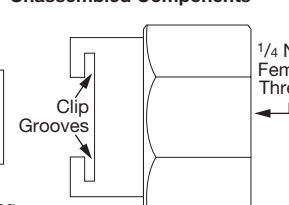
Tube ID	Part Numbers				Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Ref.	C Ref.	D Ref.
1/16	1/4FSW-LB1-GT	1/4FSW-LB1-SS-GT	1/4FSW-LB1-316SS-GT	1/4FSW-LB1-NP-GT	3/16	.840	1/2	9/16
5/64 / 2mm	1/4FSW-LB2-GT	1/4FSW-LB2-SS-GT	1/4FSW-LB2-316SS-GT	1/4FSW-LB2-NP-GT	3/16	.840	1/2	9/16
3/32	1/4FSW-LB2 1/2-GT	1/4FSW-LB2 1/2-SS-GT	1/4FSW-LB2 1/2-316SS-GT	1/4FSW-LB2 1/2-NP-GT	3/16	.840	1/2	9/16
1/8	1/4FSW-LB3-GT	1/4FSW-LB3-SS-GT	1/4FSW-LB3-316SS-GT	1/4FSW-LB3-NP-GT	3/16	.840	19/32	9/16
5/32 / 4mm	1/4FSW-LB3 1/2-GT	1/4FSW-LB3 1/2-SS-GT	1/4FSW-LB3 1/2-316SS-GT	1/4FSW-LB3 1/2-NP-GT	3/16	.840	19/32	9/16
.170	1/4FSW-LB4-GT	1/4FSW-LB4-SS-GT	1/4FSW-LB4-316SS-GT	1/4FSW-LB4-NP-GT	3/16	.840	5/8	9/16
3/16	1/4FSW-LB5-GT	1/4FSW-LB5-SS-GT	1/4FSW-LB5-316SS-GT	1/4FSW-LB5-NP-GT	3/16	.840	21/32	9/16
7/32	1/4FSW-LB5 1/2-GT	1/4FSW-LB5 1/2-SS-GT	1/4FSW-LB5 1/2-316SS-GT	1/4FSW-LB5 1/2-NP-GT	3/16	.840	21/32	9/16
6mm	1/4FSW-LB5 3/4-GT	1/4FSW-LB5 3/4-SS-GT	1/4FSW-LB5 3/4-316SS-GT	1/4FSW-LB5 3/4-NP-GT	5/16	.840	25/32	9/16
1/4	1/4FSW-LB6-GT	1/4FSW-LB6-SS-GT	1/4FSW-LB6-316SS-GT	1/4FSW-LB6-NP-GT	5/16	.840	25/32	9/16
5/8 / 8mm	1/4FSW-LB7-GT	1/4FSW-LB7-SS-GT	1/4FSW-LB7-316SS-GT	1/4FSW-LB7-NP-GT	45/64	.840	29/32	5/8
3/8	1/4FSW-LB8-GT	1/4FSW-LB8-SS-GT	1/4FSW-LB8-316SS-GT	1/4FSW-LB8-NP-GT	45/64	.840	27/32	5/8
1/2	1/4FSW-LB10-GT	1/4FSW-LB10-SS-GT	1/4FSW-LB10-316SS-GT	1/4FSW-LB10-NP-GT	45/64	.840	1 1/32	5/8



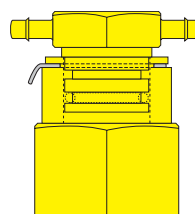
931

1/4 NPT Female Thread to Tube Swivel Tees with Clip Groove

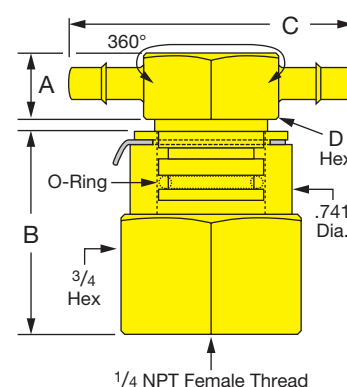
Tube ID	Part Numbers				Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Ref.	C Ref.	D Ref.
1/16	1/4FSW-T1-GT	1/4FSW-T1-SS-GT	1/4FSW-T1-316SS-GT	1/4FSW-T1-NP-GT	3/16	.840	1	9/16
5/64 / 2mm	1/4FSW-T2-GT	1/4FSW-T2-SS-GT	1/4FSW-T2-316SS-GT	1/4FSW-T2-NP-GT	3/16	.840	1	9/16
3/32	1/4FSW-T2 1/2-GT	1/4FSW-T2 1/2-SS-GT	1/4FSW-T2 1/2-316SS-GT	1/4FSW-T2 1/2-NP-GT	3/16	.840	1	9/16
1/8	1/4FSW-T3-GT	1/4FSW-T3-SS-GT	1/4FSW-T3-316SS-GT	1/4FSW-T3-NP-GT	3/16	.840	1 3/16	9/16
5/32 / 4mm	1/4FSW-T3 1/2-GT	1/4FSW-T3 1/2-SS-GT	1/4FSW-T3 1/2-316SS-GT	1/4FSW-T3 1/2-NP-GT	3/16	.840	1 3/16	9/16
.170	1/4FSW-T4-GT	1/4FSW-T4-SS-GT	1/4FSW-T4-316SS-GT	1/4FSW-T4-NP-GT	3/16	.840	1 1/4	9/16
3/16	1/4FSW-T5-GT	1/4FSW-T5-SS-GT	1/4FSW-T5-316SS-GT	1/4FSW-T5-NP-GT	3/16	.840	1 5/16	9/16
7/32	1/4FSW-T5 1/2-GT	1/4FSW-T5 1/2-SS-GT	1/4FSW-T5 1/2-316SS-GT	1/4FSW-T5 1/2-NP-GT	3/16	.840	1 5/16	9/16
6mm	1/4FSW-T5 3/4-GT	1/4FSW-T5 3/4-SS-GT	1/4FSW-T5 3/4-316SS-GT	1/4FSW-T5 3/4-NP-GT	5/16	.840	1 9/16	9/16
1/4	1/4FSW-T6-GT	1/4FSW-T6-SS-GT	1/4FSW-T6-316SS-GT	1/4FSW-T6-NP-GT	5/16	.840	1 9/16	9/16
5/8 / 8mm	1/4FSW-T7-GT	1/4FSW-T7-SS-GT	1/4FSW-T7-316SS-GT	1/4FSW-T7-NP-GT	45/64	.840	1 13/16	5/8
3/8	1/4FSW-T8-GT	1/4FSW-T8-SS-GT	1/4FSW-T8-316SS-GT	1/4FSW-T8-NP-GT	45/64	.840	1 11/16	5/8
1/2	1/4FSW-T10-GT	1/4FSW-T10-SS-GT	1/4FSW-T10-316SS-GT	1/4FSW-T10-NP-GT	45/64	.840	2 1/16	5/8

**Unassembled Components**

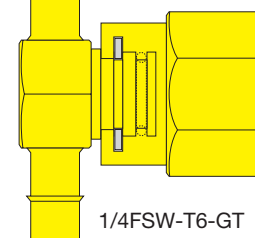
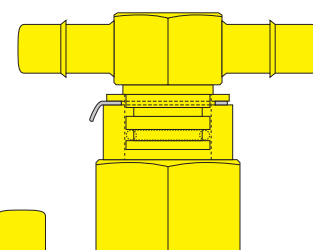
1/4FSW-T1-GT



1/4FSW-T2-GT

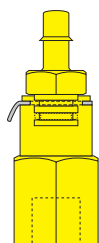


1/4 NPT Female Thread

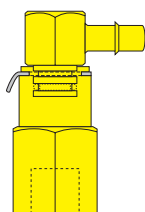


1/4FSW-T6-GT

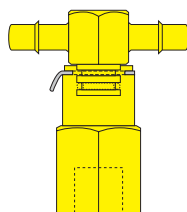
Square Body Swivel options also available!

Custom Swivel Fittings with Other Female Threads

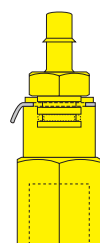
4-28 Female Thread to Tube Swivel



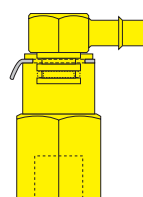
1/4-28 Female Swivel Elbow



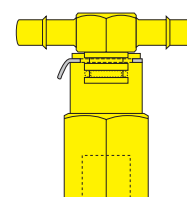
1/4-28 Female Swivel Tee



1/16 Female Thread to Tube Swivel

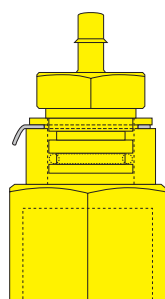


1/16 Female Swivel Elbow

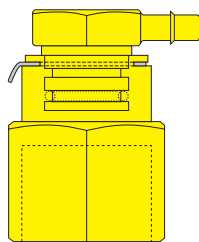


1/16 Female Swivel Tee

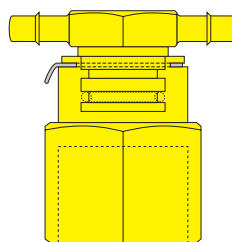
Swivels also Available with Metric, BSPT, & BSP Female Threads! Consult Factory for Details!



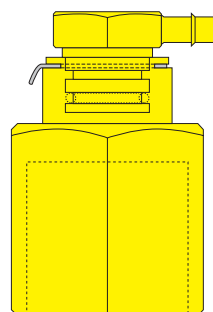
3/8 Female Thread to Tube Swivel



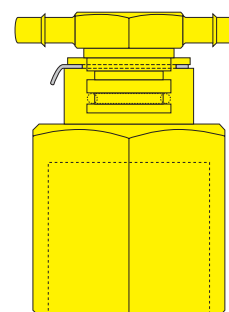
3/8 Female Swivel Elbow



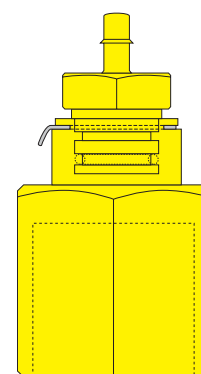
3/8 Female Swivel Tee



1/2 Female Swivel Elbow



1/2 Female Swivel Tee

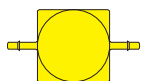
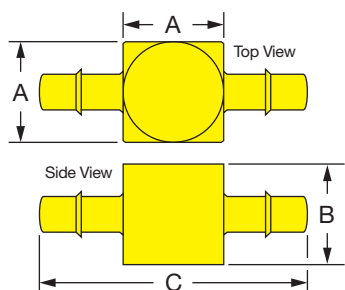


1/2 Female Thread to Tube Swivel

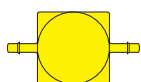


Tube to Tube Square Sided Couplings

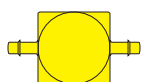
932



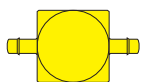
C.031-SQ



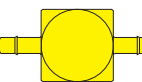
C.040-SQ



C.045-SQ



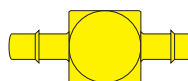
C.050-SQ



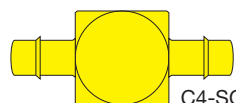
C1-SQ



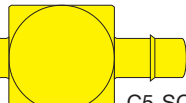
C2 1/2-SQ



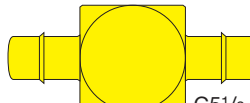
C3-SQ



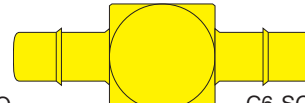
C4-SQ



C5-SQ



C5 1/2-SQ

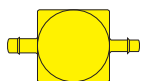
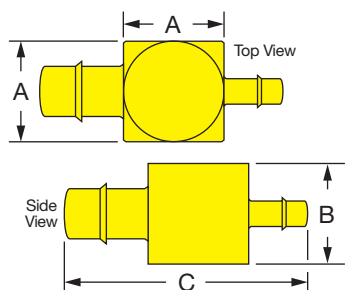


C6-SQ

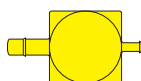
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Ref.	C Ref.
1/32	C.031-SQ	C.031-SQ-SS	C.031-SQ-316SS	C.031-SQ-NP	3/8	3/8	1 1/16
.040 / 1mm	C.040-SQ	C.040-SQ-SS	C.040-SQ-316SS	C.040-SQ-NP	3/8	3/8	1 1/16
3/64	C.045-SQ	C.045-SQ-SS	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 1/4
7/32	C5 1/2-SQ	C5 1/2-SQ-SS	C5 1/2-SQ-316SS	C5 1/2-SQ-NP	.550	.550	1 1/4
6mm	C5 3/4-SQ	C5 3/4-SQ-SS	C5 3/4-SQ-316SS	C5 3/4-SQ-NP	.550	.550	1 3/8
3/8	C6-SQ	C6-SQ-SS	C6-SQ-316SS	C6-SQ-NP	.550	.550	1 3/8

Tube to Tube Square Sided Reducing Couplings

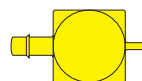
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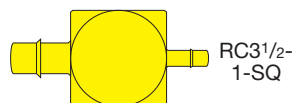
RC.050-.045-SQ



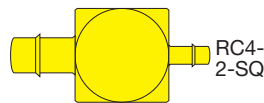
RC1-.040-SQ



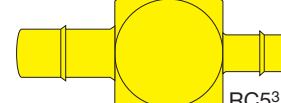
RC2-.031-SQ



RC3 1/2-1-SQ



RC4-2-SQ



RC5 3/4-4-SQ

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Ref.	C Ref.
1/32	.031	3/8	3/8	Consult Factory 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	Consult Factory Consult Factory

Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Ref.	C Ref.
1/8	3	3/8	3/8	Consult Factory 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	Consult Factory Consult Factory

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

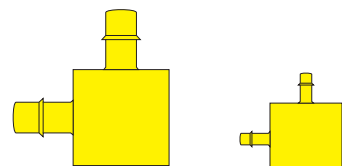
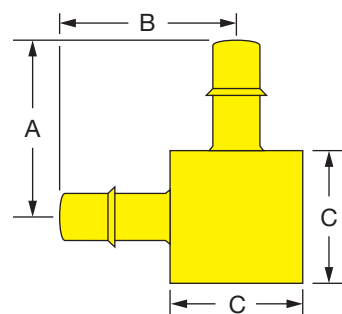
Part Numbers for Square Sided Tube to Tube Reducing Couplings:



934

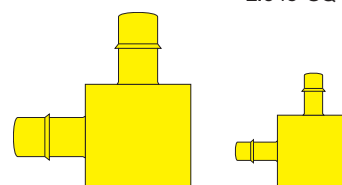
Tube to Tube Square Sided Elbows

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	3/8	1 1/32	1 1/32
.040 / 1mm	L.040-SQ	L.040-SQ-SS	L.040-SQ-316SS	L.040-SQ-NP	3/8	1 1/32	1 1/32
3/64	L.045-SQ	L.045-SQ-SS	L.045-SQ-316SS	L.045-SQ-NP	3/8	1 1/32	1 1/32
.050	L.050-SQ	L.050-SQ-SS	L.050-SQ-316SS	L.050-SQ-NP	3/8	1 1/32	1 1/32
1/16	L1-SQ	L1-SQ-SS	L1-SQ-316SS	L1-SQ-NP	3/8	1 3/32	1 3/32
5/64 / 2mm	L2-SQ	L2-SQ-SS	L2-SQ-316SS	L2-SQ-NP	3/8	1 3/32	1 3/32
3/32	L2 1/2-SQ	L2 1/2-SQ-SS	L2 1/2-SQ-316SS	L2 1/2-SQ-NP	3/8	1 3/32	1 3/32
1/8	L3-SQ	L3-SQ-SS	L3-SQ-316SS	L3-SQ-NP	3/8	1 1/2	1 1/2
5/32 / 4mm	L3 1/2-SQ	L3 1/2-SQ-SS	L3 1/2-SQ-316SS	L3 1/2-SQ-NP	1/2	9/16	9/16
.170	L4-SQ	L4-SQ-SS	L4-SQ-316SS	L4-SQ-NP	1/2	9/16	9/16
3/16	L5-SQ	L5-SQ-SS	L5-SQ-316SS	L5-SQ-NP	.550	.650	.650
7/32	L5 1/2-SQ	L5 1/2-SQ-SS	L5 1/2-SQ-316SS	L5 1/2-SQ-NP	.550	.650	.650
6mm	L5 3/4-SQ	L5 3/4-SQ-SS	L5 3/4-SQ-316SS	L5 3/4-SQ-NP	.550	.775	.775
3/8	L6-SQ	L6-SQ-SS	L6-SQ-316SS	L6-SQ-NP	.550	.775	.775



L3 1/2-SQ

L.045-SQ



L5-SQ

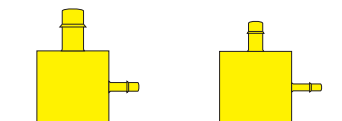
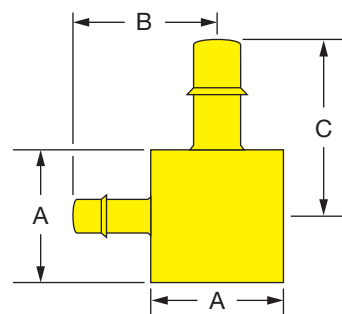
L2-SQ

935

Tube to Tube Square Sided Reducing Elbows

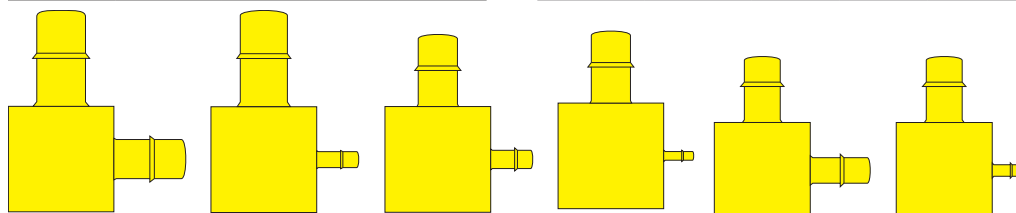
Branches		Dimensions (Reference)		
Tube ID	Branch Number	A Ref.	B Ref.	C Ref.
1/32	.031	3/8	Consult Factory	Consult Factory
.040 / 1mm	.040	3/8	Consult Factory	Consult Factory
3/64	.045	3/8	Consult Factory	Consult Factory
.050	.050	3/8	Consult Factory	Consult Factory
1/16	1	3/8	Consult Factory	Consult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



RL2 1/2-.040-SQ

RL.050-.031-SQ



RL6-5-SQ

RL5 3/4-1-SQ

RL5-2-SQ

RL5-.040-SQ

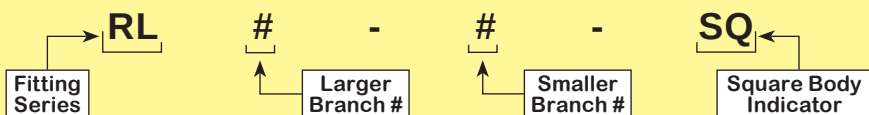
RL4-3-SQ

RL4-.045-SQ

RL3-1-SQ

RL1-.050-SQ

Part Numbers for Square Sided Tube to Tube Reducing Elbows:



Unless otherwise specified, parts will be Brass.

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

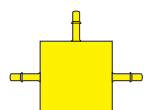
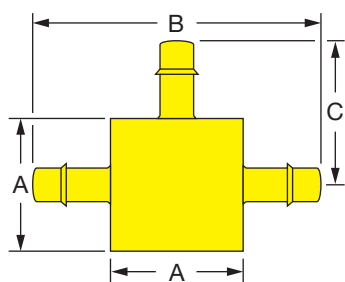
- SS = Stainless Steel 303
- 316SS = Stainless Steel 316
- NP = Electroless Nickel Plate



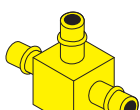
Tube to Tube Square Sided Tees

936

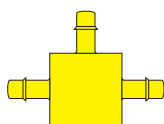
02



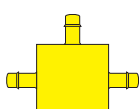
T.031-SQ



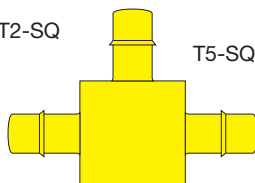
T.050-SQ



T2-SQ



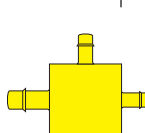
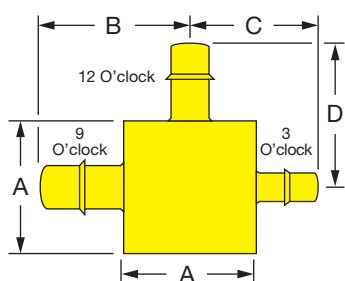
T5-SQ



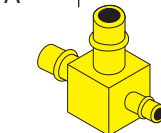
Tube ID	Part Numbers				Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Ref.	C Ref.
1/32	T.031-SQ	T.031-SQ-SS	T.031-SQ-316SS	T.031-SQ-NP	3/8	1 1/16	1 1/32
.040 / 1mm	T.040-SQ	T.040-SQ-SS	T.040-SQ-316SS	T.040-SQ-NP	3/8	1 1/16	1 1/32
3/64	T.045-SQ	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	13/16	13/32
5/64 / 2mm	T2-SQ	T2-SQ-SS	T2-SQ-316SS	T2-SQ-NP	3/8	13/16	13/32
3/32	T2 1/2-SQ	T2 1/2-SQ-SS	T2 1/2-SQ-316SS	T2 1/2-SQ-NP	3/8	13/16	13/32
1/8	T3-SQ	T3-SQ-SS	T3-SQ-316SS	T3-SQ-NP	3/8	1.00	1/2
5/32 / 4mm	T3 1/2-SQ	T3 1/2-SQ-SS	T3 1/2-SQ-316SS	T3 1/2-SQ-NP	1/2	1 1/8	9/16
.170	T4-SQ	T4-SQ-SS	T4-SQ-316SS	T4-SQ-NP	1/2	1 1/8	9/16
3/16	T5-SQ	T5-SQ-SS	T5-SQ-316SS	T5-SQ-NP	.550	1.30	.650
7/32	T5 1/2-SQ	T5 1/2-SQ-SS	T5 1/2-SQ-316SS	T5 1/2-SQ-NP	.550	1.30	.650
6mm	T5 3/4-SQ	T5 3/4-SQ-SS	T5 3/4-SQ-316SS	T5 3/4-SQ-NP	.550	1.55	.775
3/8	T6-SQ	T6-SQ-SS	T6-SQ-316SS	T6-SQ-NP	.550	1.55	.775

Tube to Tube Square Sided Reducing Couplings

937

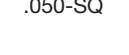


RT2-.050-.050-SQ

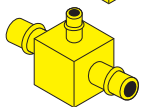


Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Ref.	C Ref.	D Ref.
1/32	.031	3/8	Consult Factory	Consult Factory	Consult Factory
.040 / 1mm	.040	3/8	Consult Factory	Consult Factory	Consult Factory
3/64	.045	3/8	Consult Factory	Consult Factory	Consult Factory
.050	.050	3/8	Consult Factory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

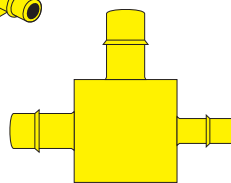
Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Ref.	C Ref.	D Ref.
1/8	3	3/8	Consult Factory	Consult Factory	Consult Factory
5/32 / 4mm	3 1/2	1/2	Consult Factory	Consult Factory	Consult Factory
.170	4	1/2	Consult Factory	Consult Factory	Consult Factory
3/16	5	.550	Consult Factory	Consult Factory	Consult Factory
7/32	5 1/2	.550	Consult Factory	Consult Factory	Consult Factory
6mm	5 3/4	.550	Consult Factory	Consult Factory	Consult Factory
1/4	6	.550	Consult Factory	Consult Factory	Consult Factory



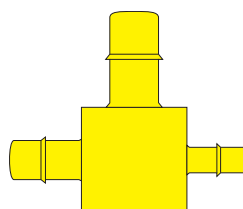
RT3-4-3-SQ



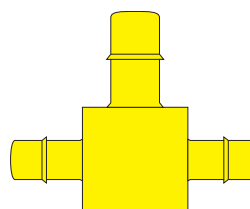
RT4-5-3-SQ



RT5-6-3-SQ



RT5-6-5-SQ

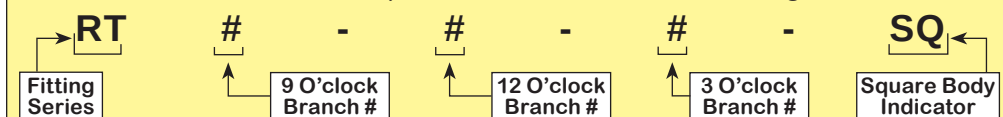


RT6-6-5-SQ

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

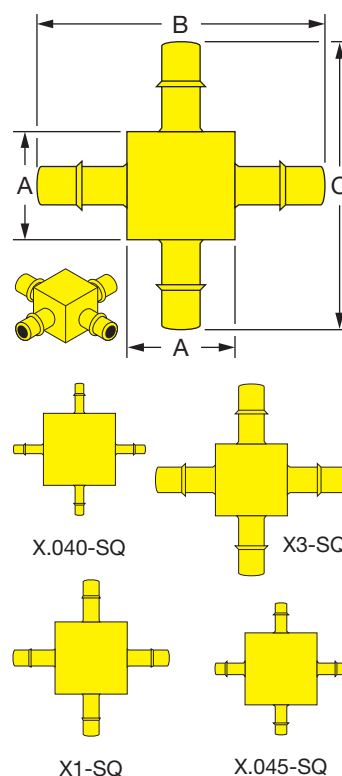
Part Numbers for Square Sided Tube to Tube Reducing Tees:



938

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

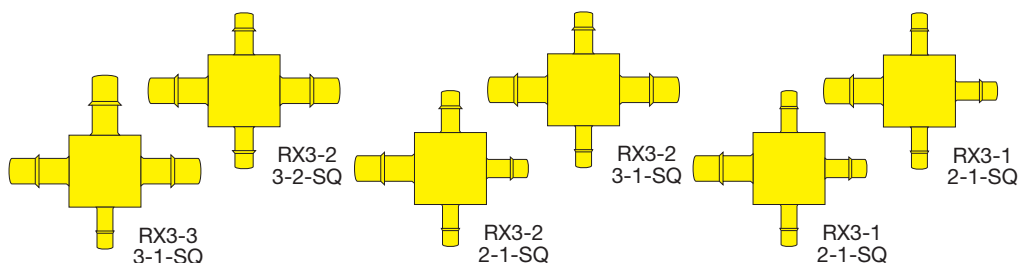
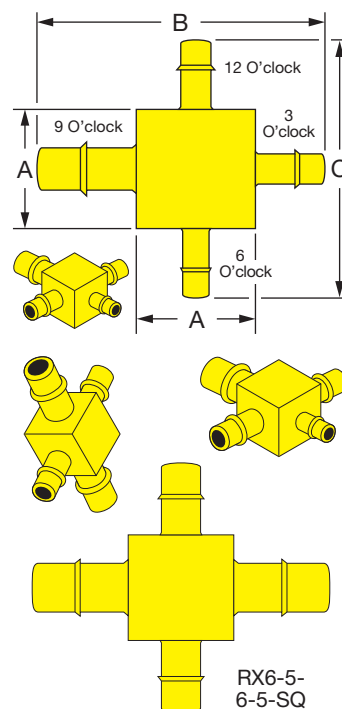


939

Tube to Tube Square Sided Reducing Couplings

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 Crosses:

RT	#	-	#	-	#	-	#	SQ
Fitting Series	9 O'clock Branch #		12 O'clock Branch #		3 O'clock Branch #		6 O'clock Branch #	Square Body Indicator

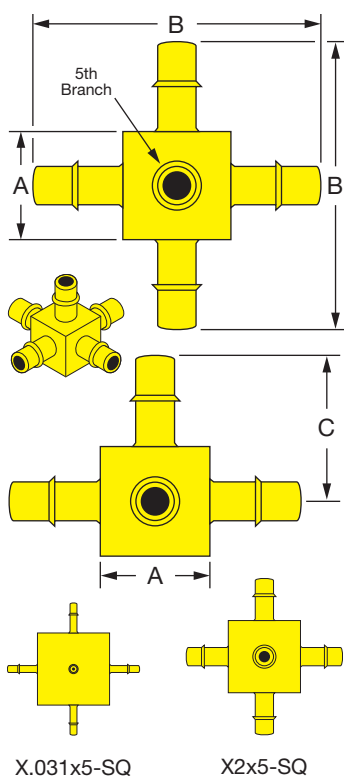
Unless otherwise specified, parts will be Brass. Material options & codes listed on previous page!



Tube to Tube Square Sided Five Branch Crosses

940

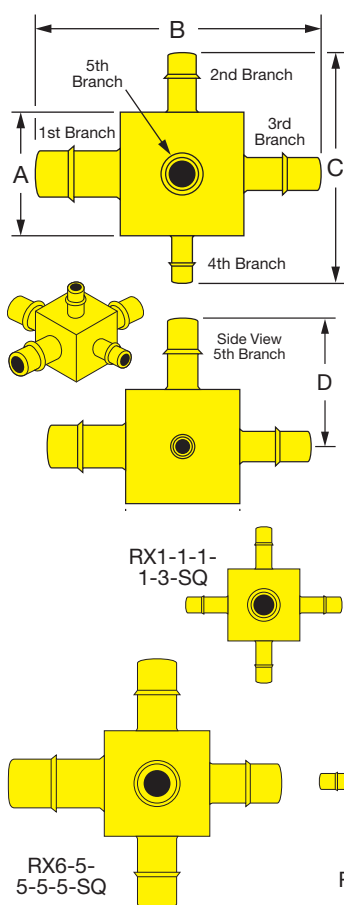
02



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	1 3/16	1 3/32
5/64 / 2mm	X2x5-SQ	X2x5-SQ-SS	X2x5-SQ-316SS	X2x5-SQ-NP	3/8	1 3/16	1 3/32
3/32	X2 1/2x5-SQ	X2 1/2x5-SQ-SS	X2 1/2x5-SQ-316SS	X2 1/2x5-SQ-NP	3/8	1 3/16	1 3/32
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

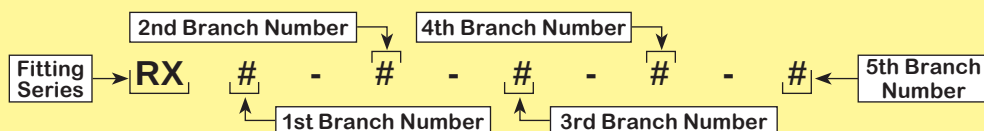
941



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

Branches		Dimensions (Reference)			
Tube ID	Branch Number	A Ref.	B Ref.	C Ref.	D Ref.
1/8	3	3/8	Consult Factory	Consult Factory	Consult Factory
5/32 / 4mm	3 1/2	1/2	Consult Factory	Consult Factory	Consult Factory
.170	4	1/2	Consult Factory	Consult Factory	Consult Factory
3/16	5	.550	Consult Factory	Consult Factory	Consult Factory
7/32	5 1/2	.550	Consult Factory	Consult Factory	Consult Factory
6mm	5 3/4	.550	Consult Factory	Consult Factory	Consult Factory
1/4	6	.550	Consult Factory	Consult Factory	Consult Factory

Part Numbers for Square Sided Tube to Tube Reducing Crosses with 5 Branches:

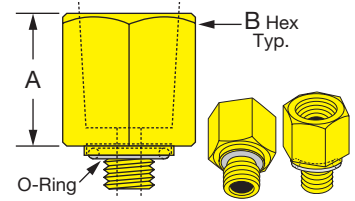


Unless otherwise specified, parts will be Brass. To order other materials, add the following codes:

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

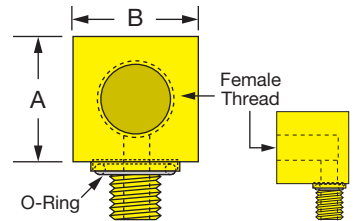
942 10-32 Male Threaded Solenoid Valve Straight Adapters with Captive O-Ring

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



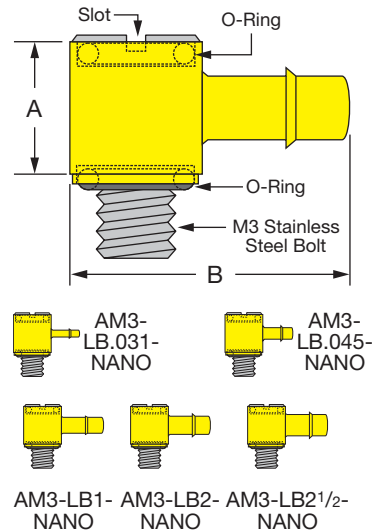
943 10-32 Male Threaded Solenoid Valve 90° Elbow Adapters with Captive O-Ring

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



944 M3 Threaded Nano Adjustable Elbow with Square Body & Stainless Steel Bolt

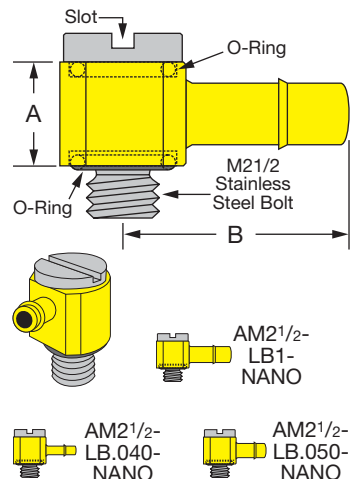
Tube ID	Part Numbers				Dimensions (Reference)	
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Ref.
1/50*	AM3-LB.025-NANO	AM3-LB.025-NANO-SS	AM3-LB.025-NANO-316SS	AM3-LB.025-NANO-NP	Consult Factory	Consult Factory
1/32	AM3-LB.031-NANO	AM3-LB.031-NANO-SS	AM3-LB.031-NANO-316SS	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!

945 M2 1/2 Threaded Nano Adjustable Elbow with Rounded Body & Stainless Steel Bolt

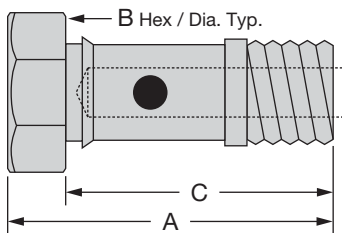
Tube ID	Part Numbers				Dimensions (Reference)	
	Brass	Stainless Steel 303	Stainless Steel 316	Electroless Nickel Plate	A Ref.	B Ref.
1/50*	AM2 1/2-LB.025-NANO	AM2 1/2-LB.025-NANO-SS	AM2 1/2-LB.025-NANO-316SS	AM2 1/2-LB.025-NANO-NP	.140	.163
1/32	AM2 1/2-LB.031-NANO	AM2 1/2-LB.031-NANO-SS	AM2 1/2-LB.031-NANO-316SS	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



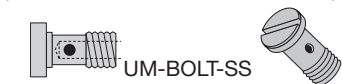


10-32 Threaded Stainless Steel Bolts (for Mini & Ultra Mini Adjustable Fittings)

946

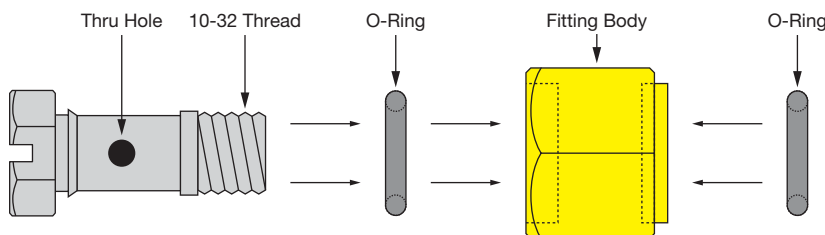


Q2



Body Size & Hex Style	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	.598	1/4	.434
3/8 Slotted	3/8ADJ-BOLT-SLOT-SS	3/8ADJ-BOLT-SLOT-316SS	.598	1/4	.434
Ultra-Mini	UM-BOLT-SS	UM-BOLT-316SS	.445	9/32	.362

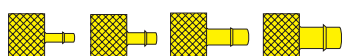
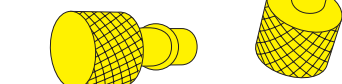
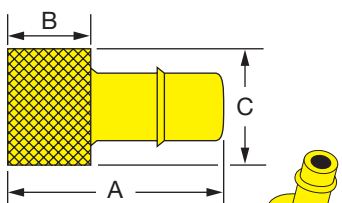
Unassembled Components



Ultra Miniature & Miniature 10-32 Thread to Tube Adjustables: pgs 78 - 96!

Diamond Knurled Tube Plugs

947



P10-PLUG

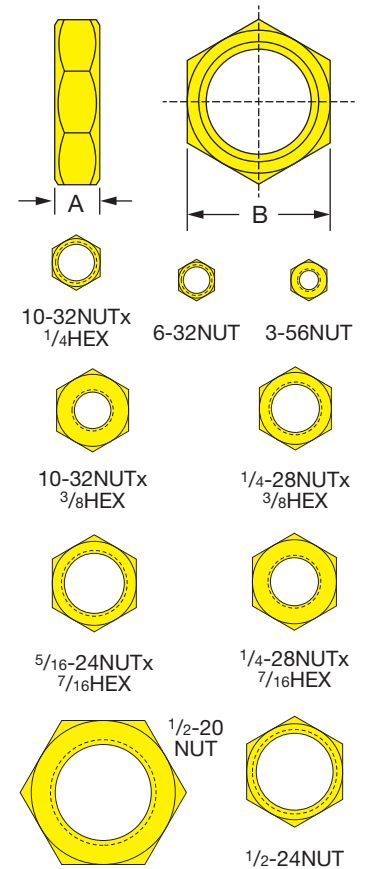
Tube ID	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Ref.	C Ref.
1/32	P.031-PLUG	P.031-PLUG-SS	P.031-PLUG-316SS	P.031-PLUG-AL	P.031-PLUG-NP	3/8	3/16	1/4
.040 / 1mm	P.040-PLUG	P.040-PLUG-SS	P.040-PLUG-316SS	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	13/16	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 Knurl options available!
Consult factory for details!**

948

Nuts

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	3/8
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
3/8-20	3/8-20NUT	3/8-20NUT-SS	3/8-20NUT-316SS	3/8-20NUT-AL	3/8-20NUT-NP	5/16	3/4
3/8-24	3/8-24NUT	3/8-24NUT-SS	3/8-24NUT-316SS	3/8-24NUT-AL	3/8-24NUT-NP	1/8	5/8
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	13/32
1-14	1-14NUT	1-14NUT-SS	1-14NUT-316SS	1-14NUT-AL	1-14NUT-NP	7/16	13/8
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	13/8

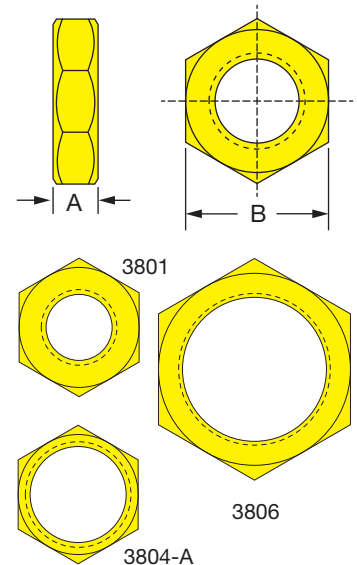


R2

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G/T Nuts

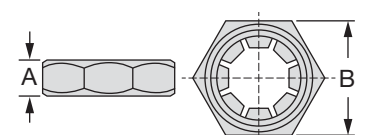
Thread	Part Numbers					Dimensions (Reference)	
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.
5/16-24	3081	3081-SS	3081-316SS	3081-AL	3081-NP	.120	5/8
3/8-24	3082	3082-SS	3082-316SS	3082-AL	3082-NP	1/8	5/8
7/16-20	3083	3083-SS	3083-316SS	3083-AL	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	13/16
3/8-24UNF-2B	3084	3084-SS	3084-316SS	3084-AL	3084-NP	1/8	3/4
3/8-24UNF-2B	3084-A	3084-A-SS	3084-A-316SS	3084-A-AL	3084-A-NP	.150	5/8
1 1/16-24	3084-1	3084-1-SS	3084-1-316SS	3084-1-AL	3084-1-NP	.150	13/16
9/16-18	3085	3085-SS	3085-316SS	3085-AL	3085-NP	1/8	13/16
3/4-16	3086	3086-SS	3086-316SS	3086-AL	3086-NP	1/8	1.00
7/8-14	3087	3087-SS	3087-316SS	3087-AL	3087-NP	3/16	1 1/4
5/16-24	20096	20096-SS	20096-316SS	20096-AL	20096-NP	1/8	7/16



950

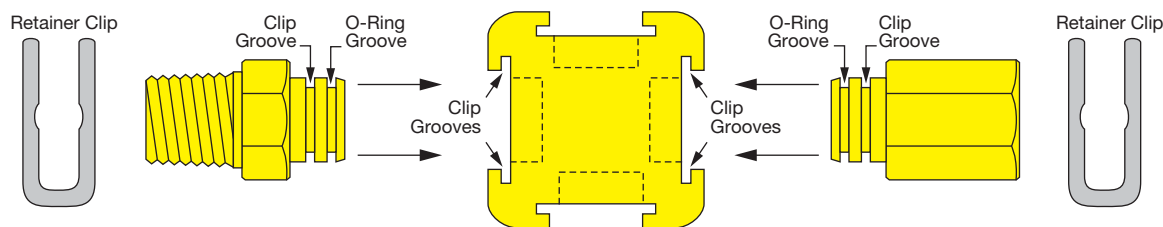
Aluminum All-in-One Lockwasher & Nut Combinations

Thread	Part Number	A Ref.	B Typ.
3/8-24	3/8-24LNW	1/8	9/16
Thread	Part Number	A Ref.	B Typ.
3/8-20	3/8-20LNW	3/16	3/4
Thread	Part Number	A Ref.	B Typ.
3/4-16	3/4-16LNW	7/32	1 1/16

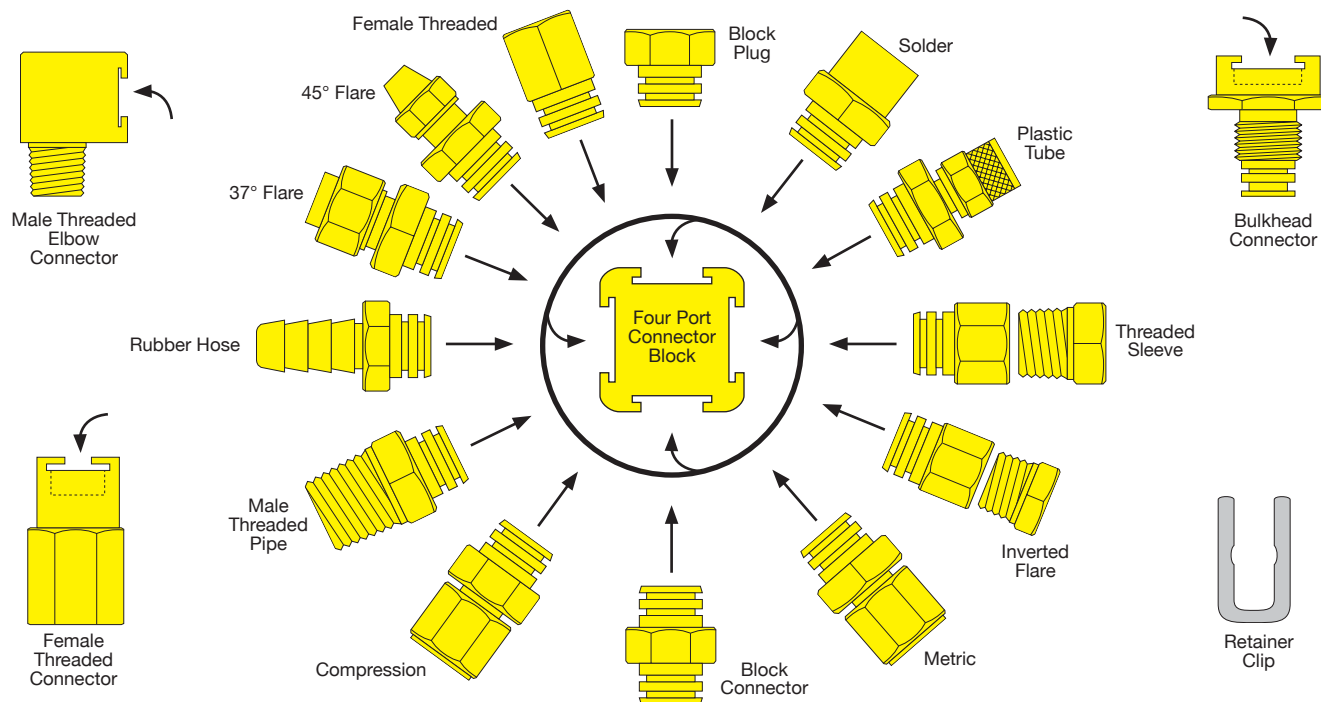


Note: Images are for visual representation only; not intended for dimensional measurements.

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		

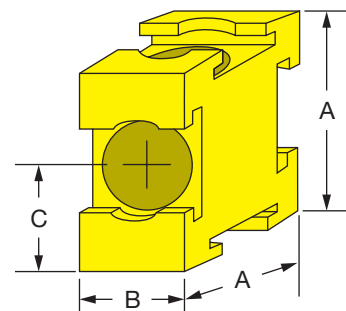
Advantages:

- 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. Minimum quantities may be required.
- 10-32 systems are available upon request.

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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

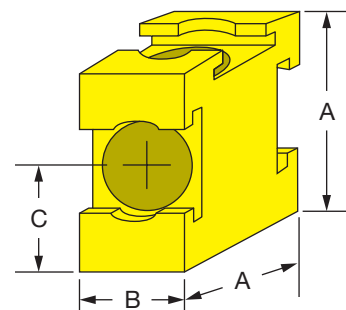


S2

952

Gra-Tec Three Port Tee Connectors

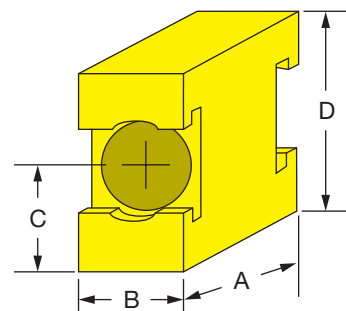
Clip System	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Ref.	C Ref.
1/16	1240	1240-SS	1240-316SS	1240-AL	1240-NP	.625	.375	.312
1/8	1241	1241-SS	1241-316SS	1241-AL	1241-NP	.812	.500	.406
1/4	1242	1242-SS	1242-316SS	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



953

Gra-Tec Two Port Connectors

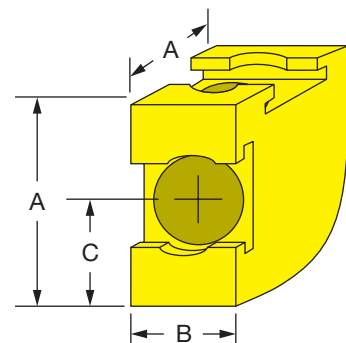
Clip System	Part Numbers					Dimensions (Reference)			
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Ref.	C Ref.	D Ref.
1/16	2700	2700-SS	2700-316SS	2700-AL	2700-NP	.390	.376	.250	.500
1/8	2701	2701-SS	2701-316SS	2701-AL	2701-NP	.534	.500	.344	.688
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



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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

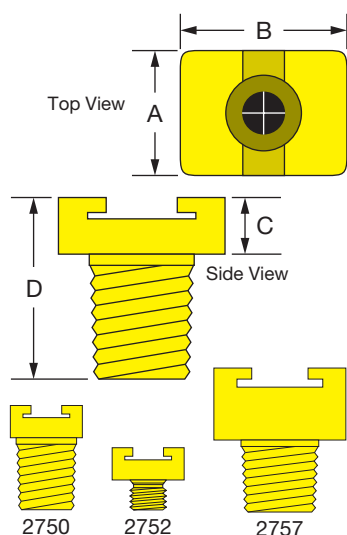


Larger Clip Systems available! Consult factory for details!

10-32 Clip Systems available upon request! Consult factory for details!

Gra-Tec Female to Male Pipe Thread Adapters

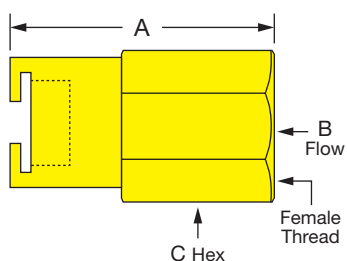
956



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

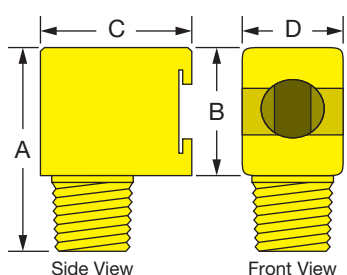
957



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

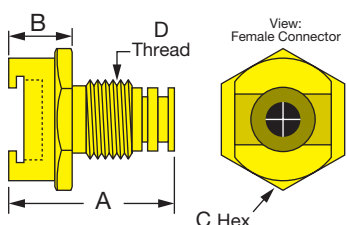
958



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

959



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

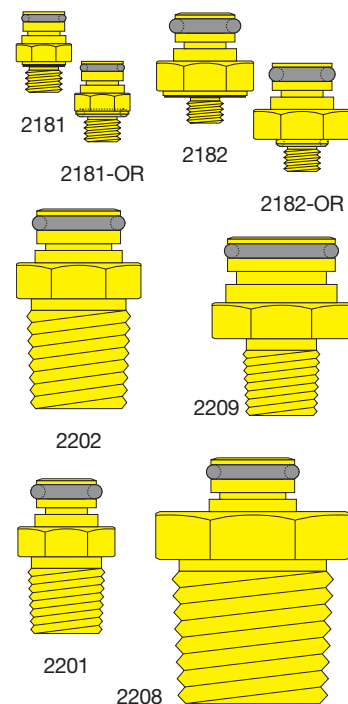
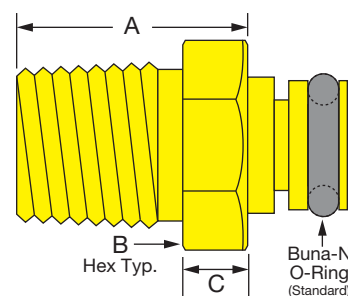
Larger Clip Systems available! Consult factory for details!

10-32 Clip Systems available upon request! Consult factory for details!

960

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



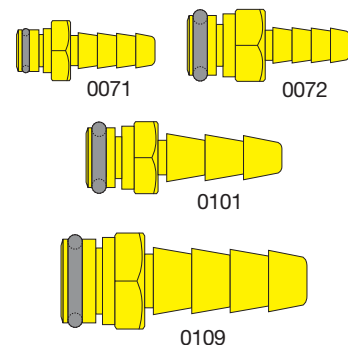
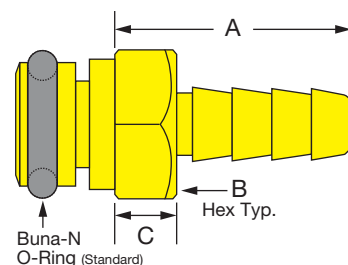
Note: Images are for visual representation only; not intended for dimensional measurements.

S2

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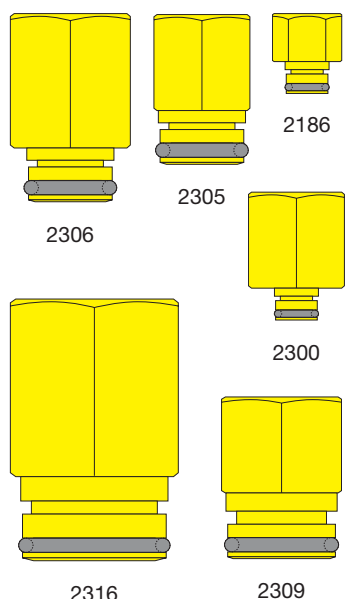
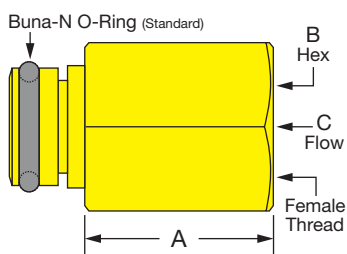
Gra-Tec Male to Hose and Tube Barb

Clip System	Tube I.D.	Part Numbers					Dimensions (Reference)		
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	1/8	0071	0071-SS	0071-316SS	0071-AL	0071-NP	.440	.250	.100
1/8	1/8	0072	0072-SS	0072-316SS	0072-AL	0072-NP	.586	.375	.156
1/8	1/8	0101	0101-SS	0101-316SS	0101-AL	0101-NP	.765	.375	.125
1/8	3/16	0102	0102-SS	0102-316SS	0102-AL	0102-NP	.985	.375	.125
1/8	1/4	0103	0103-SS	0103-316SS	0103-AL	0103-NP	.985	.437	.125
1/4	1/8	0107	0107-SS	0107-316SS	0107-AL	0107-NP	.765	.500	.125
1/4	3/16	0108	0108-SS	0108-316SS	0108-AL	0108-NP	1.016	.500	.156
1/4	1/4	0109	0109-SS	0109-316SS	0109-AL	0109-NP	1.016	.500	.156
1/4	5/16	0110	0110-SS	0110-316SS	0110-AL	0110-NP	1.016	.500	.156
1/4	3/8	0111	0111-SS	0111-316SS	0111-AL	0111-NP	1.047	.562	.187



Gra-Tec Male to Female Thread Adapters

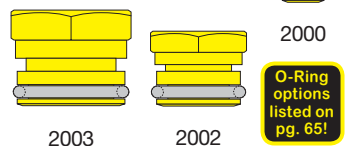
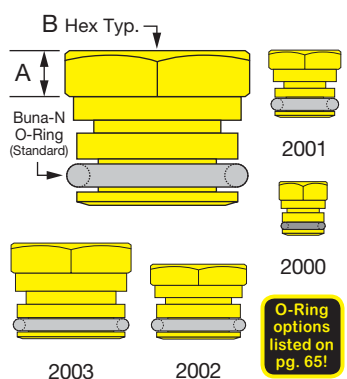
962



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

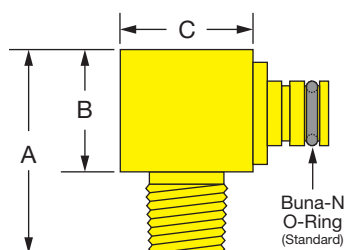
963



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

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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 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

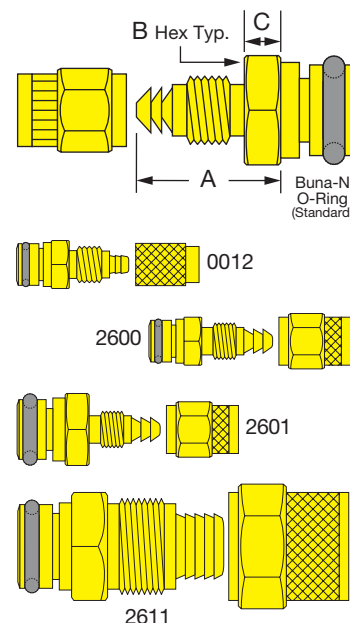
Larger Clip Systems available! Consult factory for details!

10-32 Clip Systems available upon request! Consult factory for details!

965

Gra-Tec Male to Plastic Tube (PTF)

Clip System	Tube O.D.	Part Numbers					Dimensions (Reference)		
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	.096	0012	0012-SS	0012-316SS	0012-AL	0012-NP	.403	.250	.093
1/8	.140	0013	0013-SS	0013-316SS	0013-AL	0013-NP	.413	.375	.093
1/16	.140	0014	0014-SS	0014-316SS	0014-AL	0014-NP	.413	.250	.093
1/16	1/8	2600	2600-SS	2600-316SS	2600-AL	2600-NP	.463	.250	.093
1/8	1/8	2601	2601-SS	2601-316SS	2601-AL	2601-NP	.495	.375	.125
1/8	1/4	2603	2603-SS	2603-316SS	2603-AL	2603-NP	.676	.437	.156
1/8	3/8	2605	2605-SS	2605-316SS	2605-AL	2605-NP	.792	.562	.187
1/4	1/8	2607	2607-SS	2607-316SS	2607-AL	2607-NP	.562	.500	.156
1/4	1/4	2609	2609-SS	2609-316SS	2609-AL	2609-NP	.707	.500	.187
1/4	5/16	2610	2610-SS	2610-316SS	2610-AL	2610-NP	.807	.500	.187
1/4	3/8	2611	2611-SS	2611-316SS	2611-AL	2611-NP	.792	.562	.187

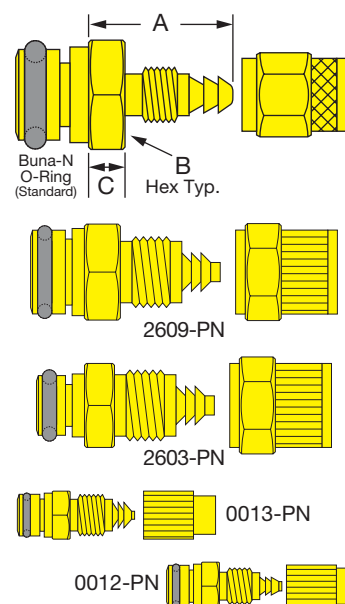


S2

966

Gra-Tec Male to Plastic Tube (PTF) for Strong Tubing

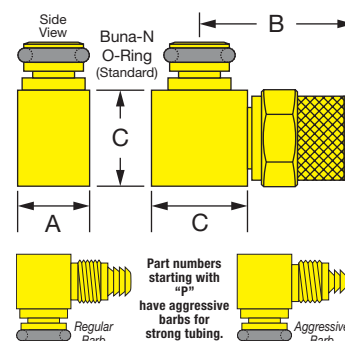
Clip System	Tube O.D.	Part Numbers					Dimensions (Reference)		
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/16	.096	0012-PN	0012-PN-SS	0012-PN-316SS	0012-PN-AL	0012-PN-NP	.403	.250	.093
1/8	.140	0013-PN	0013-PN-SS	0013-PN-316SS	0013-PN-AL	0013-PN-NP	.413	.375	.093
1/16	.140	0014-PN	0014-PN-SS	0014-PN-316SS	0014-PN-AL	0014-PN-NP	.413	.250	.093
1/16	1/8	2600-PN	2600-PN-SS	2600-PN-316SS	2600-PN-AL	2600-PN-NP	.463	.250	.093
1/8	1/8	2601-PN	2601-PN-SS	2601-PN-316SS	2601-PN-AL	2601-PN-NP	.495	.375	.125
1/8	1/4	2603-PN	2603-PN-SS	2603-PN-316SS	2603-PN-AL	2603-PN-NP	.676	.437	.156
1/8	3/8	2605-PN	2605-PN-SS	2605-PN-316SS	2605-PN-AL	2605-PN-NP	.792	.562	.187
1/4	1/8	2607-PN	2607-PN-SS	2607-PN-316SS	2607-PN-AL	2607-PN-NP	.562	.500	.156
1/4	1/4	2609-PN	2609-PN-SS	2609-PN-316SS	2609-PN-AL	2609-PN-NP	.707	.500	.187
1/4	5/16	2610-PN	2610-PN-SS	2610-PN-316SS	2610-PN-AL	2610-PN-NP	.807	.500	.187
1/4	3/8	2611-PN	2611-PN-SS	2611-PN-316SS	2611-PN-AL	2611-PN-NP	.792	.562	.187



967

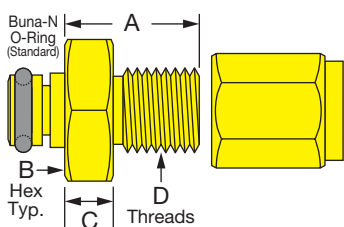
Gra-Tec Male to Plastic Tube Elbows

Clip System	Tube O.D.	Part Numbers					Dimensions (Reference)		
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Ref.	C Ref.
1/8	.140	92821	92821-SS	92821-316SS	92821-AL	92821-NP	.312	.600	.375
1/8	1/4	92822	92822-SS	92822-316SS	92822-AL	92822-NP	.375	.830	.500
1/8	1/4	P92822	P92822-SS	P92822-316SS	P92822-AL	P92822-NP	.375	.830	.500
1/4	1/4	92849	92849-SS	92849-316SS	92849-AL	92849-NP	.350	.830	.500
1/4	1/4	P92849	P92849-SS	P92849-316SS	P92849-AL	P92849-NP	.350	.830	.500



Gra-Tec Male to Flareless Tube

968

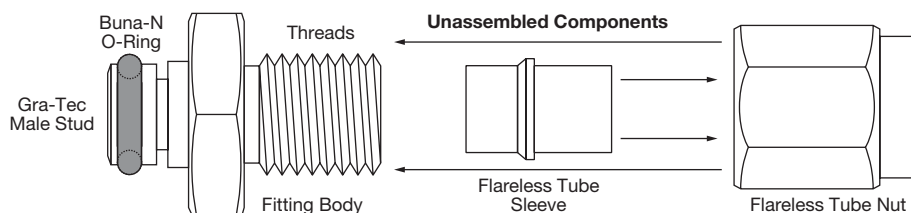


3301

3302

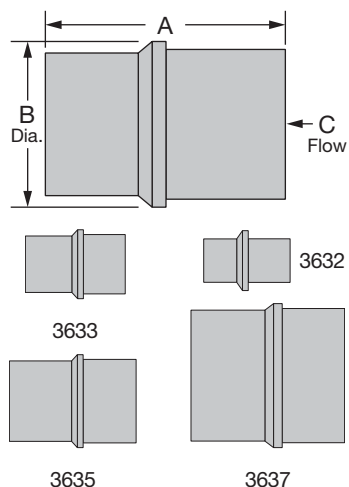
3330

Clip System	Tube O.D.	Part Numbers					Dimensions (Reference)			
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Threads
1/8	1/8	3301	3301-SS	3301-316SS	3301-AL	3301-NP	.531	.563	.156	5/16-24
1/8	3/16	3302	3302-SS	3302-316SS	3302-AL	3302-NP	.594	.625	.172	3/8-24
1/8	1/4	3303	3303-SS	3303-316SS	3303-AL	3303-NP	.649	.687	.187	7/16-20
1/4	1/8	3307	3307-SS	3307-316SS	3307-AL	3307-NP	.562	.563	.187	5/16-24
1/4	3/16	3308	3308-SS	3308-316SS	3308-AL	3308-NP	.609	.625	.187	3/8-24
1/4	1/4	3309	3309-SS	3309-316SS	3309-AL	3309-NP	.640	.687	.187	7/16-20
1/4	5/16	3310	3310-SS	3310-316SS	3310-AL	3310-NP	.656	.750	.203	1/2-20
1/4	3/8	3311	3311-SS	3311-316SS	3311-AL	3311-NP	.719	.812	.250	9/16-18
3/8	1/4	3317	3317-SS	3317-316SS	3317-AL	3317-NP	.640	.687	.187	7/16-20
3/8	5/16	3318	3318-SS	3318-316SS	3318-AL	3318-NP	.656	.750	.203	1/2-20
3/8	3/8	3319	3319-SS	3319-316SS	3319-AL	3319-NP	.719	.812	.250	9/16-18
3/8	1/2	3320	3320-SS	3320-316SS	3320-AL	3320-NP	.887	1.000	.325	3/4-16
1/2	1/4	3325	3325-SS	3325-316SS	3325-AL	3325-NP	.640	.812	.187	7/16-20
1/2	5/16	3326	3326-SS	3326-316SS	3326-AL	3326-NP	.656	.812	.203	1/2-20
1/2	3/8	3327	3327-SS	3327-316SS	3327-AL	3327-NP	.719	.812	.250	9/16-18
1/2	1/2	3328	3328-SS	3328-316SS	3328-AL	3328-NP	.887	1.000	.325	3/4-16
1/2	5/8	3329	3329-SS	3329-316SS	3329-AL	3329-NP	1.000	1.125	.375	7/8-14
1/2	3/4	3330	3330-SS	3330-316SS	3330-AL	3330-NP	1.125	1.375	.437	1 1/16-12



Flareless Tube Sleeves

969

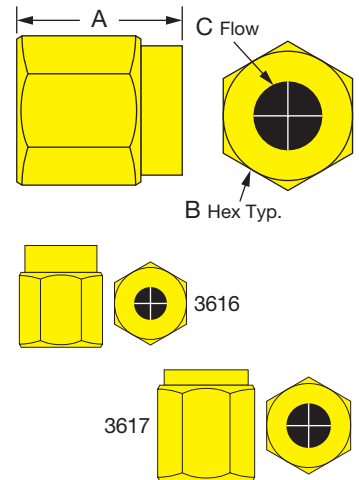


Tube O.D.	Part Numbers	Dimensions (Reference)		
	Stainless Steel 303	A Ref.	B Dia.	C Flow
1/8	3631	.410	.203	.129
3/16	3632	.450	.312	.193
1/4	3633	.520	.359	.255
5/16	3634	.590	.422	.318
3/8	3635	.660	.484	.380
1/2	3636	.750	.625	.506
5/8	3637	.800	.750	.633
3/4	3638	.750	.938	.756

970

Flareless Tube Nuts

Tube O.D.	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Flow
1/8	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

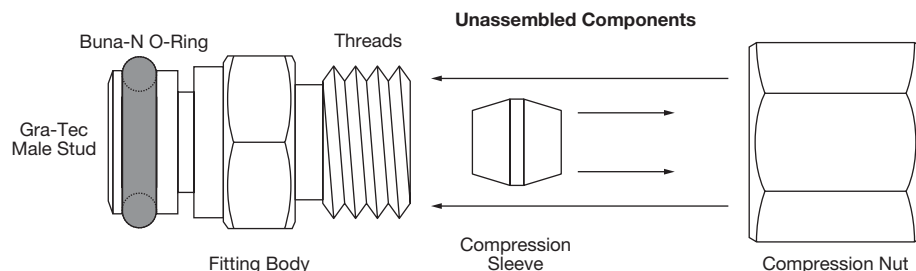
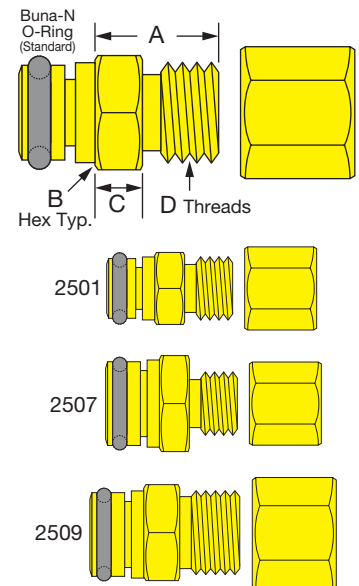


S2

971

Gra-Tec Male to Compression Fittings

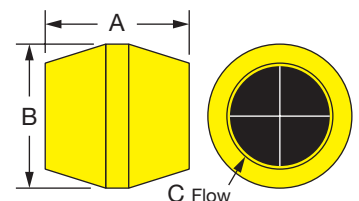
Clip System	Tube O.D.	Part Numbers					Dimensions (Reference)			
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.	D Threads
1/8	1/8	2501	2501-SS	2501-316SS	2501-AL	2501-NP	.406	.375	.156	5/16-24
1/8	1/4	2503	2503-SS	2503-316SS	2503-AL	2503-NP	.500	.437	.187	7/16-20
1/4	1/8	2507	2507-SS	2507-316SS	2507-AL	2507-NP	.406	.500	.156	5/16-24
1/4	1/4	2509	2509-SS	2509-316SS	2509-AL	2509-NP	.500	.500	.187	7/16-20



972

Compression Sleeves

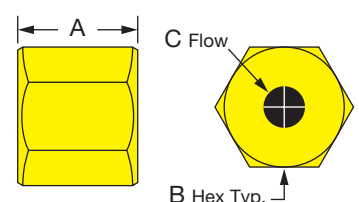
Tube OD	Part Numbers					Dimensions (Reference)		
	Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Ref.	C Ref.
1/8	3401	3401-SS	3401-316SS	3401-AL	3401-NP	.187	.187	.130
1/4	3403	3403-SS	3403-316SS	3403-AL	3403-NP	.250	.344	.257



973

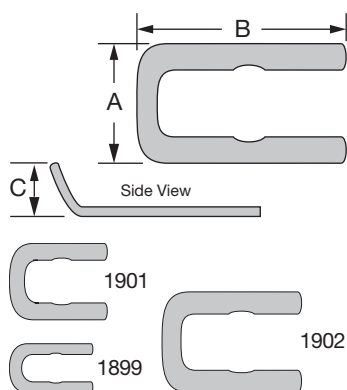
Compression Nuts

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

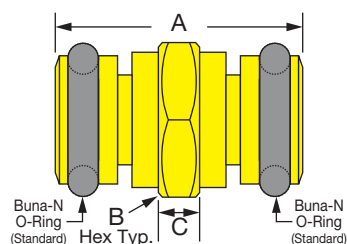
974



Clip System	Part Numbers	Dimensions (Reference)		
	Stainless Steel 303	A Ref.	B Ref.	C Ref.
10-32	1899	.225	.435	.135
1/16	1900	.280	.510	.144
1/8	1901	.398	.728	.240
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

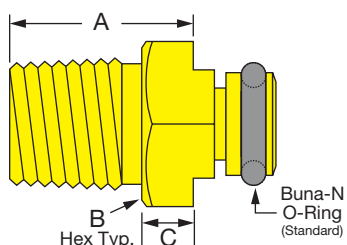
975



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

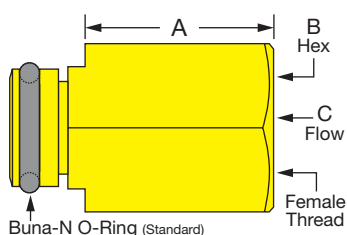
976



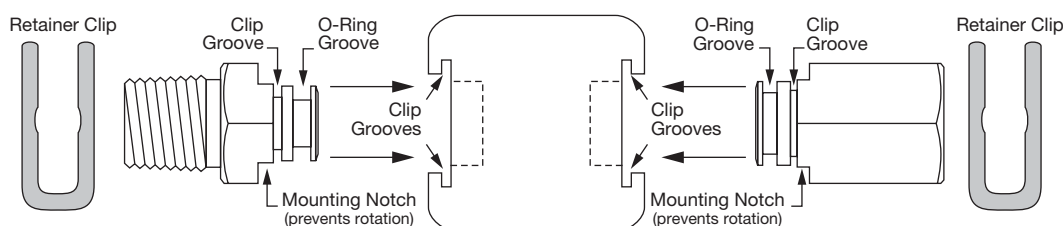
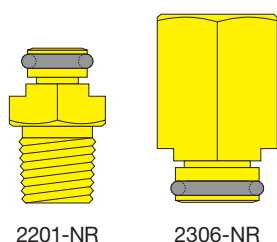
Clip System	Male Thread	Part Numbers					Dimensions (Reference)		
		Brass	Stainless Steel 303	Stainless Steel 316	Aluminum 6061-T6	Electroless Nickel Plate	A Ref.	B Typ.	C Ref.
1/8	1/8	2201-NR	2201-NR-SS	2201-NR-316SS	2201-NR-AL	2201-NR-NP	.556	.437	.156
1/4	1/4	2206-NR	2206-NR-SS	2206-NR-316SS	2206-NR-AL	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 Male Pipe Thread Non-Rotating Adapters

977



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

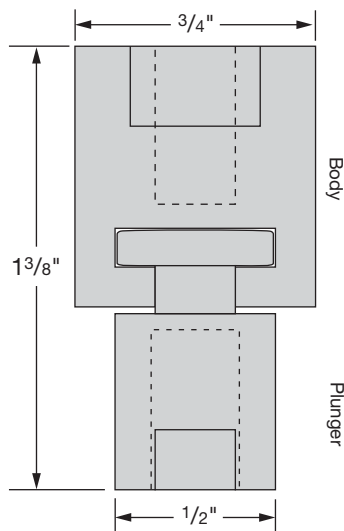


10-32 Clip Systems also available!

To Assemble: Snap desired fitting into *Connector Block* hole; Insert the *Retainer Clip* into clip grooves.

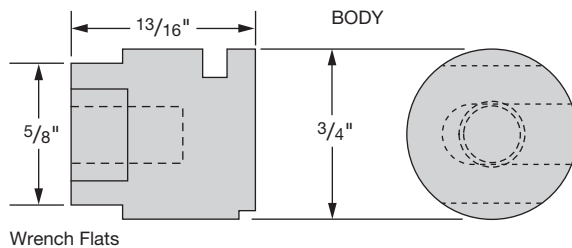
978

Demountable Cylinder Rod Alignment Compensators/Coupler (Patented)



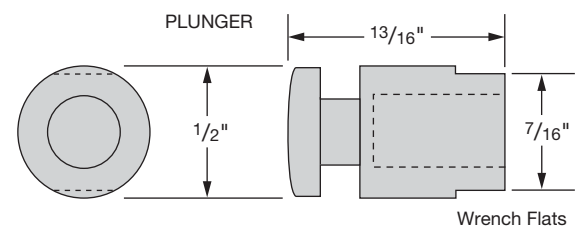
RAC SET
Front View

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 - 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:

- 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 available upon request

Consult Factory for Details!



Multiple Port Rotary Valves (Patented)

979

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.

U2

How it works

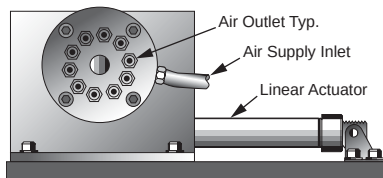
Rotating the external actuator one position (clockwise or counterclockwise) directs air pressure to the next outlet port at the front of the unit. All other outlet ports are open to atmosphere. Thus, in the illustration above, a single acting cylinder can be actuated by connecting its port to any of the valve outlet ports. A double acting cylinder can be operated by connecting its ports to any two of the valve outlets. If connected to two adjacent outlets, the cylinder will open and close immediately on the next advancement of the actuator; if connected to nonadjacent outlets, the cylinder's extend/retract cycle can be sequenced with other operations controlled by the valve.

Manual Operation

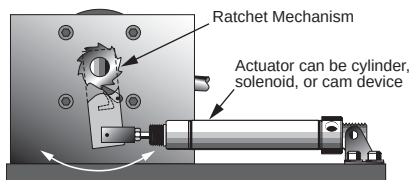
Side view panel mounted – rotary valve is shown with knob attached to valve shaft. Valve is indexed by hand through 10 or 20 outlet ports depending on valve model.

Remote Operation

Front view base mounted



Rear view base mounted

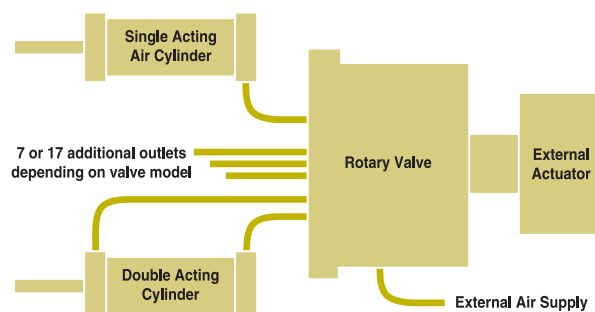


General Use

■ As a panel mounted selector valve for remote control of pneumatic cylinders, valves or other devices.

■ As a programmer for automatic machinery, (lathes, drilling machines, winders, etc.).

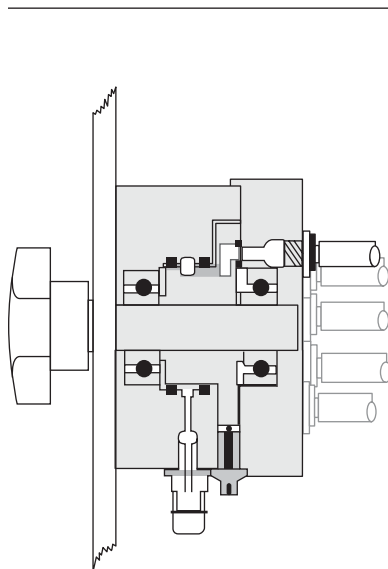
■ As an "IMPLANT" in a large machine to supply sequential control where indexing is accomplished by some moving part of the machine.



■ As a sampling device whereby a vacuum is employed to draw a sample of air from a controlled atmosphere area to a central analyzing station, and/or to check atmospheric pressure.

■ Units may be coupled in tandem (requires special shaft), or in series; i.e. a port on first unit is connected to actuator

device on second unit and a port on second unit is connected to actuator on third unit, etc., etc. In this fashion an infinite number of counts may be obtained.



MODEL GV2-10 with 10 outlet ports is shown mounted on an angle bracket attached to machine base.

An air or hydraulic cylinder, a solenoid, or a cam on the main machine can index the valve via a ratchet mechanism attached to the valve shaft.

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

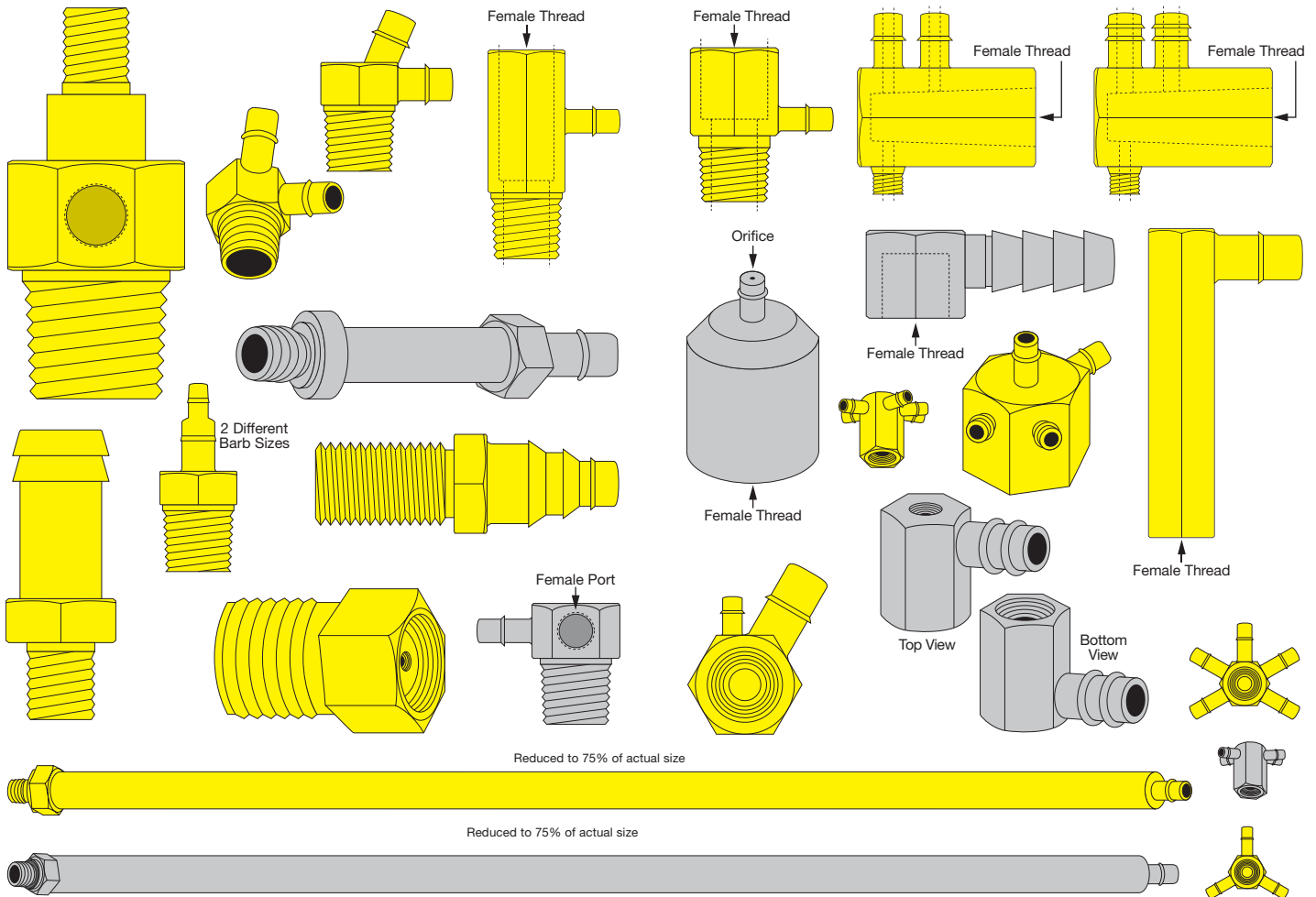
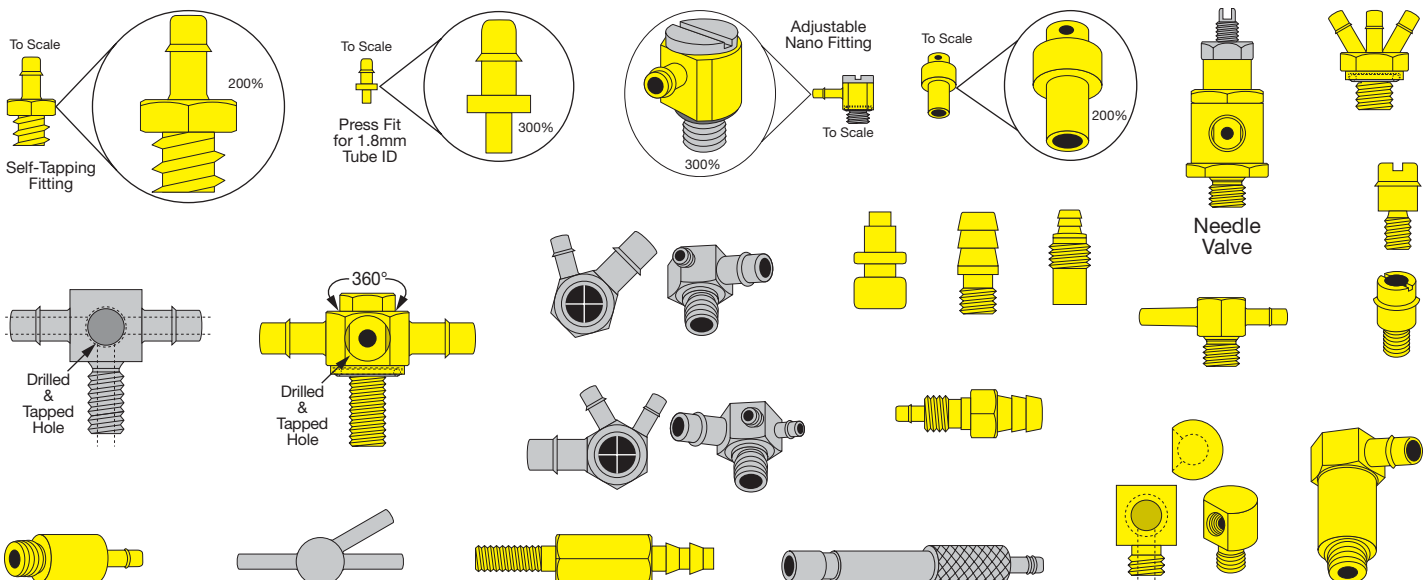
1. Basic valve (no actuator parts)
2. Basic valve with ratchet mechanism
3. Basic valve mounted to 3" x 8" aluminum base plate with ratchet mechanism and air cylinder
4. Basic valve with knob

Model Number 10 Outlets
GV2-10

Model Number 20 Outlets
GV2-20

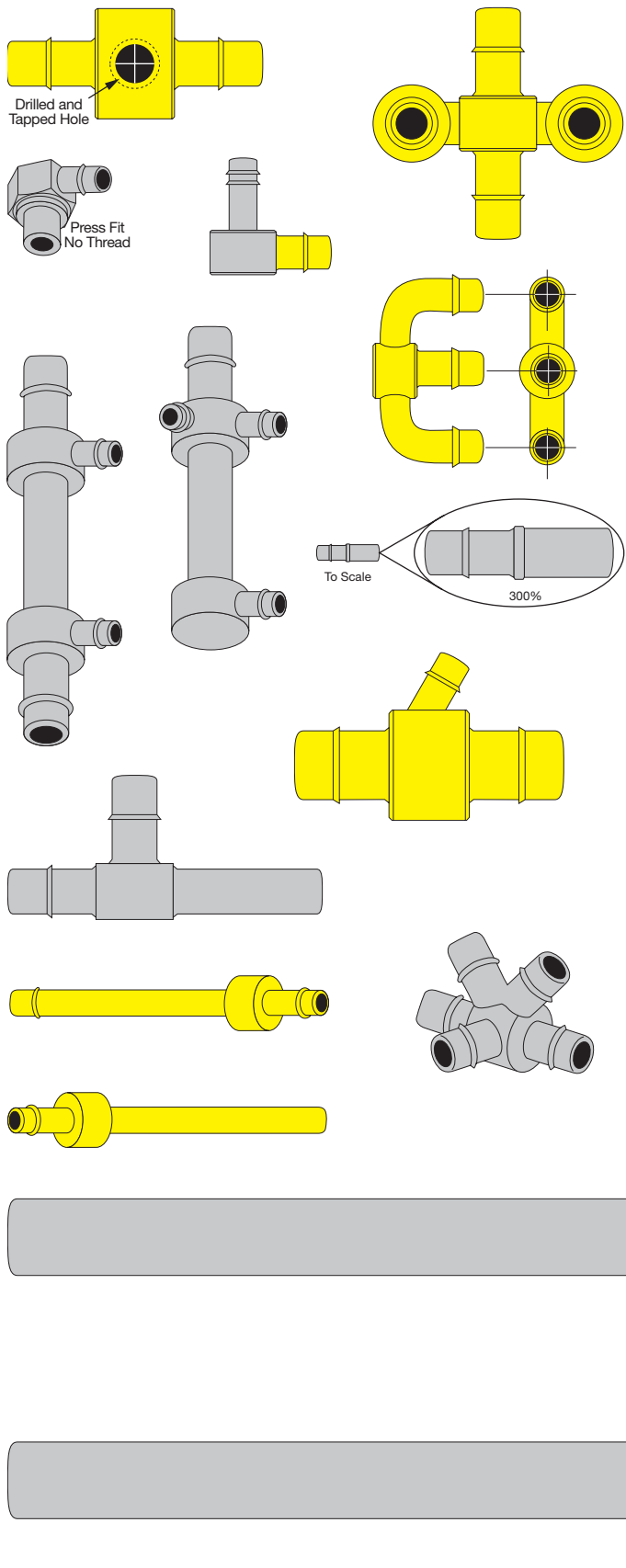


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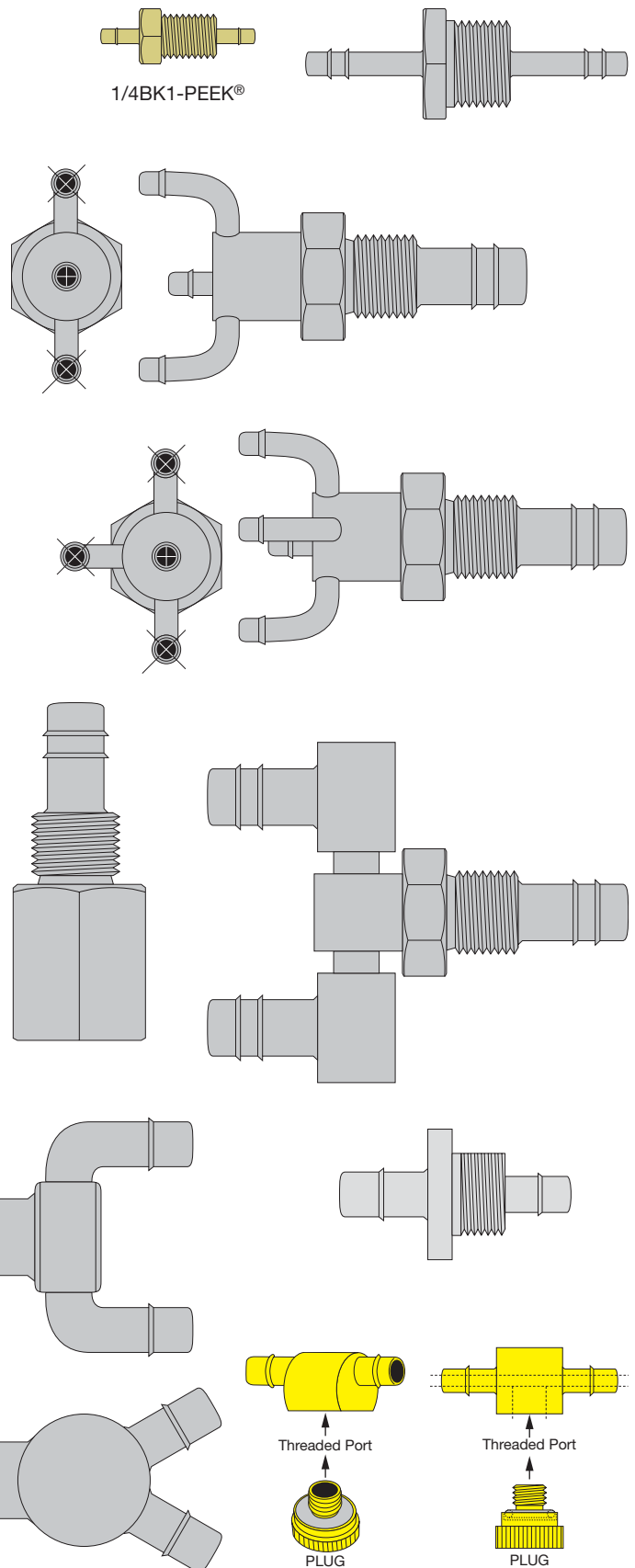
**Specialty and Custom Fittings****Special Male Threaded Fittings****Special Female Threaded Fittings****Special Mini, Macro, and Nano Fittings**

Specialty and Custom Fittings

Tube to Tube Custom Fittings



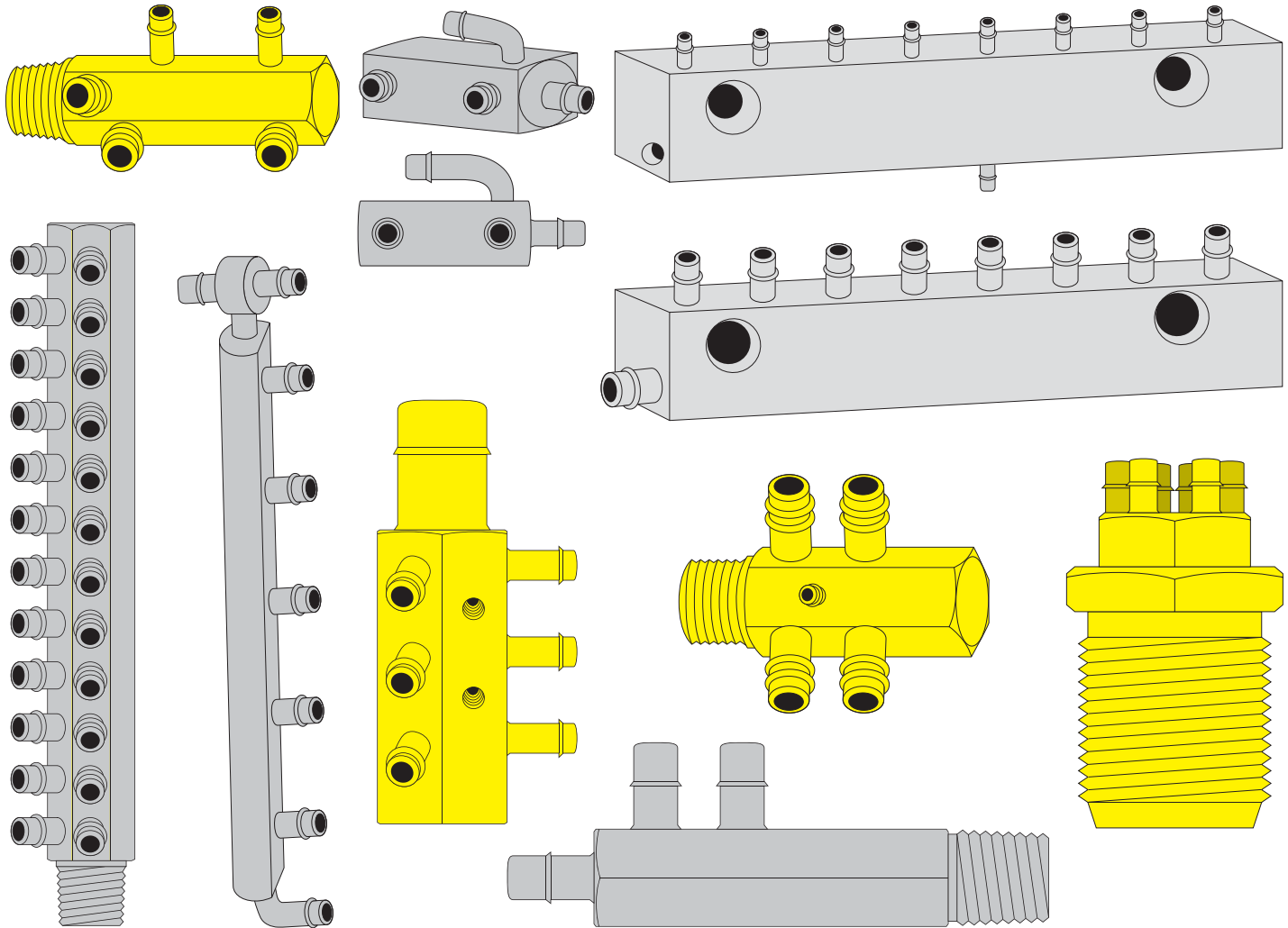
Special Bulkheads



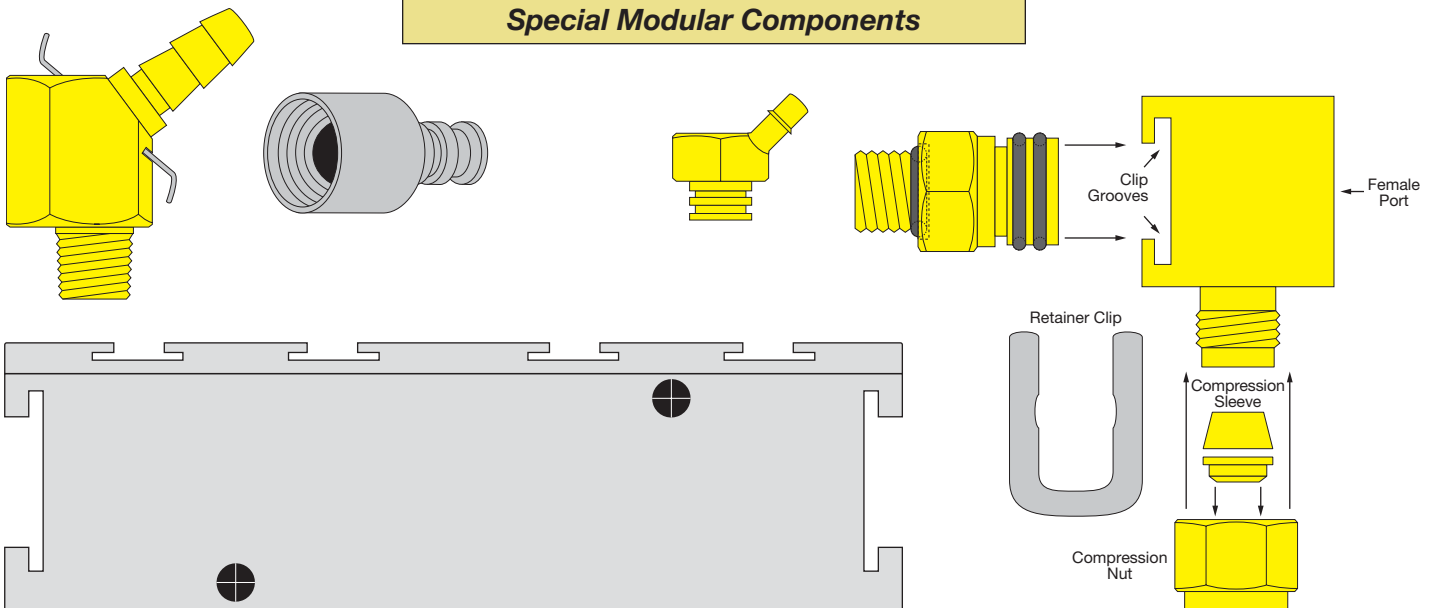
V2

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Special Manifolds



Special Modular Components

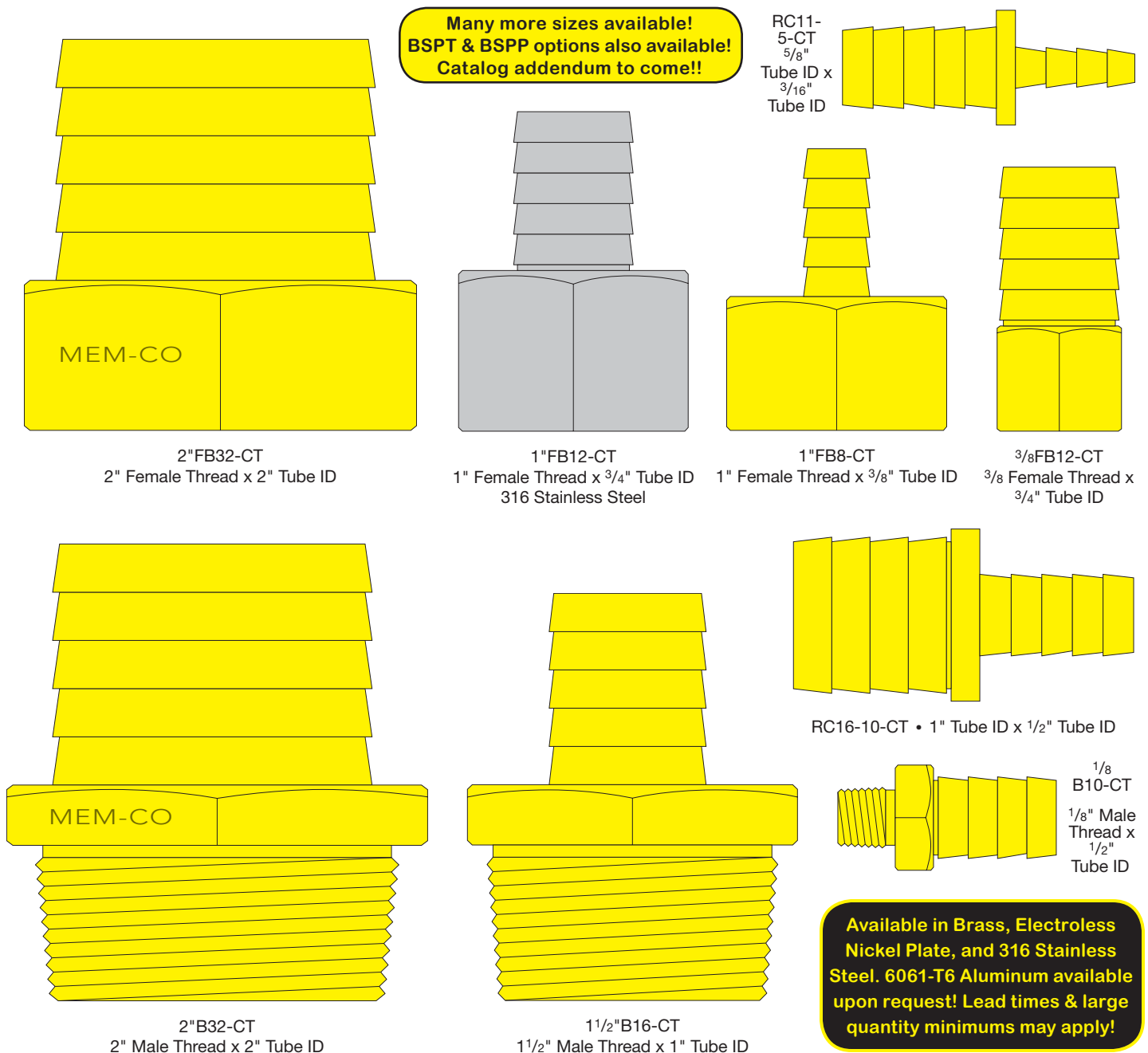


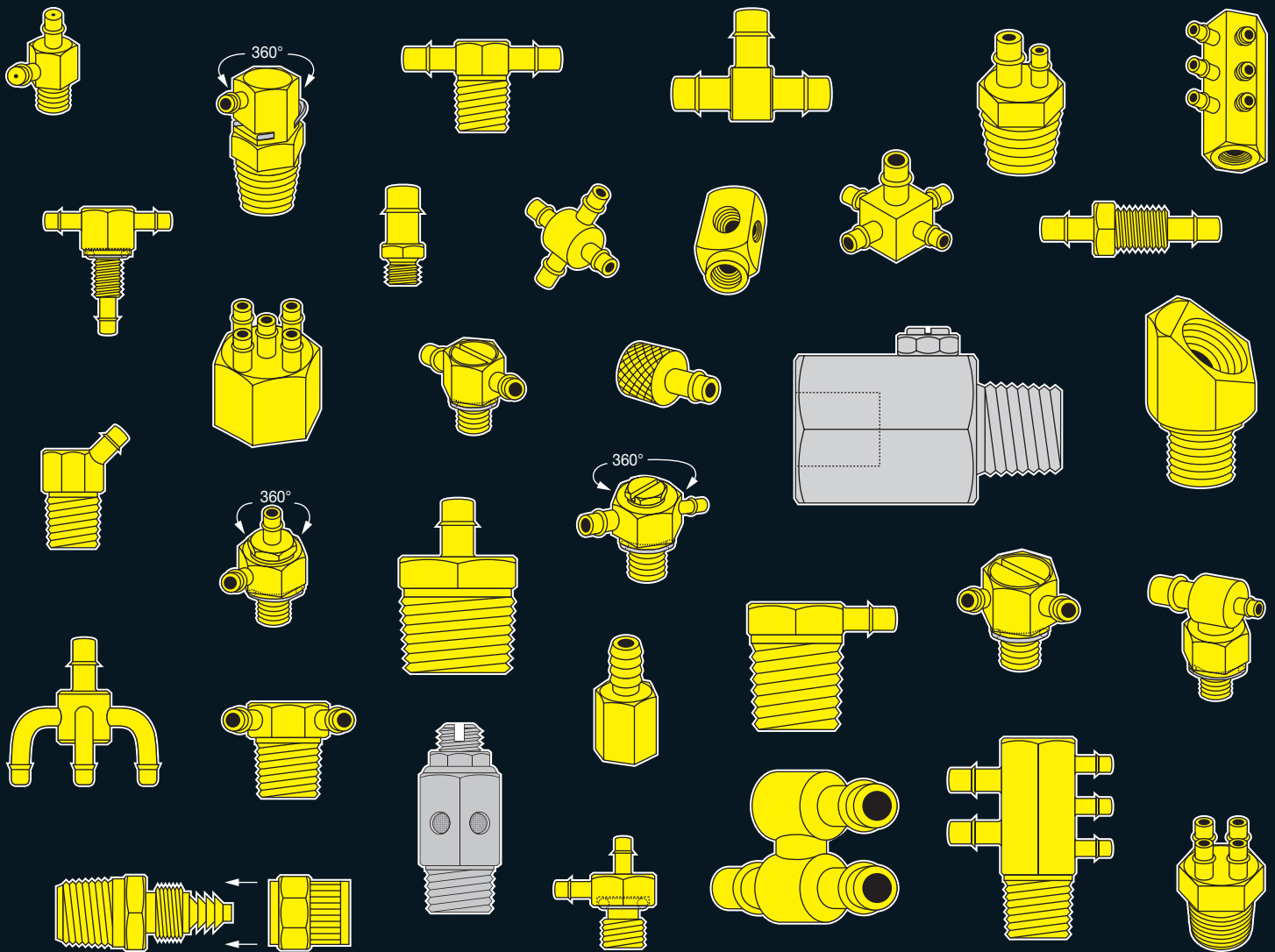
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Mem-Co Fittings, Inc (seller) warrants its products to be free from defects in material and workmanship for a period of ninety (90) days from the date of the sale. Seller's liability **shall be limited, at seller's option, to the price of the product found by seller's examination to be defective.** All claims under this warranty must be made in writing to Mem-Co's sales department, giving full details, prior to return of product, postpaid, to factory. Seller shall not be responsible for failure due to normal wear, accident, buyer's misapplication, abuse, neglect, or alteration of product. Seller will not be responsible for any consequential damages. Mem-Co Fittings, Inc. makes no other warranty of any kind, expressed or implied.

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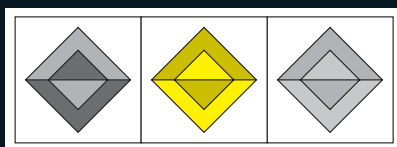


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