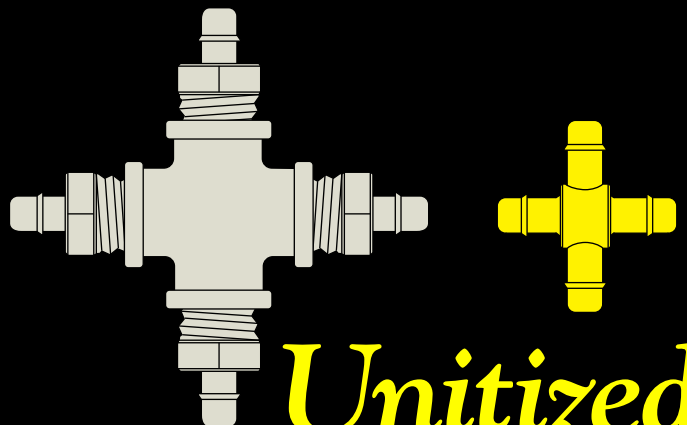


# MEM-CO

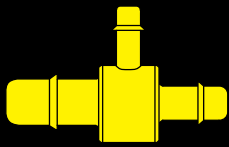


## *Unitized Air Fittings*

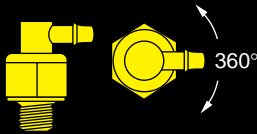
*Thousands of combinations  
to save space, reduce assembly  
costs and simplify making  
plastic tubing connections  
with brass or stainless*

MEM-CO., Inc. • 9 Industrial Way • Atkinson, NH 03811  
Phone (603) 894-5333 • Fax (603) 894-6589  
www.mem-co.com • Email: info@mem-co.com

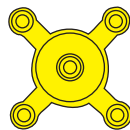
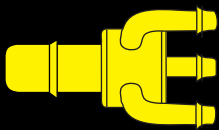
*What you'll find in this catalog*



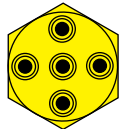
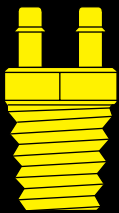
*Hundreds of fittings for plastic tubing in sizes and configurations not found elsewhere... including hard-to-find items like these shown below.*



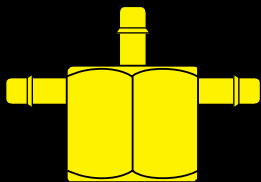
**Swivel Elbows**  
**Adjustable Elbows**  
**Adjustable Tees**  
 Simplify installation when working on close centers. Allows easy orientation of tubing. (Page 6)



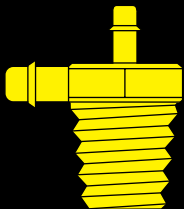
**In-line Manifolds**  
 a combination of barbed branches in a compact package. Reduces the number of fittings required at assembly. (Page 4)



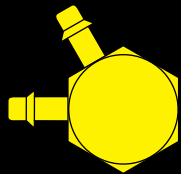
**Straight Manifolds**  
 in male or female pipe thread-to-tube with up to 8 barbed branches. (Pages 9, 11, 14, 16)



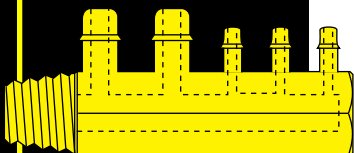
**Combination Tees**  
 Provide 3 barbed branches with male or female pipe thread. (Pages 10, 12, 15, 17)



**L-Tees**  
 Combine an elbow with a Tee. Mixed sizes of barbed branches are available. (Pages 9, 11, 15, 17)



**V-Tees** orient the barbed branches on adjacent hex surfaces. Mixed branch sizes are available. (Pages 10, 12, 15)



**1/8 NPT Male manifolds**  
 Hundreds of combinations for the OEM needing a fitting that requires a minimum amount of labor to install. (Page 19)

**Table of Contents**

**Tube-to-tube barb fittings . . . . . 1 - 4**  
 Straights and Reducing Couplings . . . . . 1  
 Elbows and Tees . . . . . 1  
 Reducing Tees . . . . . 2  
 Parallel Run L-Tees . . . . . 3  
 Parallel Run Reducing L-Tees . . . . . 3  
 Crosses . . . . . 3  
 Reducing Crosses . . . . . 4  
 Manifold, In-Line Reducing . . . . . 4  
 Manifold, Stainless Steel . . . . . 20  
 "Y" Fittings . . . . . 4

**10-32 Male thread-to-tube . . . . . 5, 6**  
 with O-Ring Seal . . . . . 5  
 with Captive Rubber Gasket . . . . . 5  
 Elbows and Tees . . . . . 5  
 Extension, plugs, Caps . . . . . 5  
 Adjustable Elbows & Tees . . . . . 6  
 Swivel Elbows & Tees . . . . . 6

**10-32 Female thread-to-tube . . . . . 5**

**1/4-28 Male straight thread-to-tube . . . . . 7**  
 Straights . . . . . 7  
 Elbows and Tees . . . . . 7  
 L-Tees . . . . . 7

**1/16 Male pipe thread-to-tube . . . . . 8**  
 Straights . . . . . 8  
 Elbows and Tees . . . . . 8  
**NEW** 45° Elbows . . . . . 8  
 L-Tees and Reducing L-Tees . . . . . 8

**1/8 Male pipe thread-to-tube . . . . . 9, 10**  
 Straights and Straight Manifolds . . . . . 9  
 Elbows & L-Tees . . . . . 9  
 Reducing L-Tees . . . . . 9  
 Tees and Reducing Tees . . . . . 10  
 Combo Tees (3 branches) . . . . . 10  
 V-Tees . . . . . 10  
 Male Nipples with tube branches . . . . . 10

**1/8 NPT Male manifolds . . . . . 19**

**1/8 NPT Swivel Nipple . . . . . 18**

**1/4 Male pipe thread-to-tube . . . . . 11, 12**  
 Straights and Straight Manifolds . . . . . 11  
 Elbows and L-Tees . . . . . 11  
 Reducing L-Tees . . . . . 11  
 Tees . . . . . 12  
 Combo Tees (3 branches) . . . . . 12  
 V-Tees . . . . . 12

**3/8 Male pipe thread-to-tube . . . . . 13**  
 Straights . . . . . 13  
 Elbows . . . . . 13  
 Tees . . . . . 13

**1/8 Female pipe thread-to-tube . . . . . 14, 15**  
 Straights and Straight Manifolds . . . . . 14  
 Elbows and 45° Elbows . . . . . 14  
 Tees . . . . . 15  
 Combo Tees (3 branches) . . . . . 15  
 L-Tees and V-Tees . . . . . 15

**1/4 Female pipe thread-to-tube . . . . . 16, 17**  
 Straights and Straight Manifolds . . . . . 16  
 Elbows . . . . . 16  
 L-Tees . . . . . 17  
 Tees and Combo Tees (3 branches) . . . . . 17

**Adapters . . . . . 23, 24**

**Bulkhead Fittings . . . . . 17, 18**

**Caps & Plugs . . . . . 18**

**Reducing Bushings . . . . . 18**

**Small metric fittings . . . . . 20 - 22**  
 M3 x 0.5 Series . . . . . 20  
 M5 x 0.8 Series . . . . . 21  
 M6 x 1 Series . . . . . 22

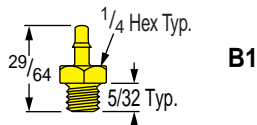
**Stainless Steel Part Numbers . . . . . 24**

**Stainless Steel Manifold . . . . . 20**

## Using this Catalog

1. Silver solder joints are typical on all fabricated Memco fittings. We do **not** use soft solder joints on any of our products.
2. The fittings in this catalog are shown at actual size for quick visual reference.
3. **Product availability:**  
**Brass... Stainless... Nickel Plated**  
All products are available in brass directly from inventory. Products are available in stainless steel but may not be carried in stock at the time of your order. Electroless nickel plating is done on a per order basis.
4. **How to Order**  
Part numbers are listed in rows below product drawings. Line numbers for each row are used to make product cross-referencing easy. (The price list also references line numbers)

**A. For Brass items:** use part number shown.



**Example: B1 (See line 17, page 5)**

**B. For stainless steel:** use part # plus \_ S/S

**Example: B1 S/S**

**Note: See page 24 for listing of stainless steel part numbers.**

**C. For Nickel plate:** Part # plus \_ N/P

**Example: B1 N/P**

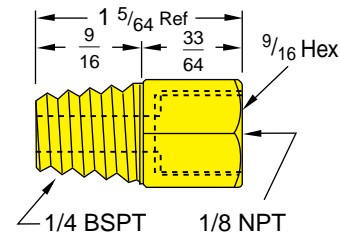
## 4. Developing Part Numbers

Use the convenient table below to select the barb numbers (sizes) corresponding to the internal diameters of the plastic tubing being used.

Branch Barb #	Tubing I.D.	Hole Thru
1	1/16	.055
2	.078	.059
2 1/2	3/32	.081
3	1/8	.089
3 1/2	5/32	.104
4	.170	.125
5	3/16	.140
5 1/2	7/32	.156
6	1/4	.177
7	5/16	.250
8	3/8	.290
10	1/2	.391

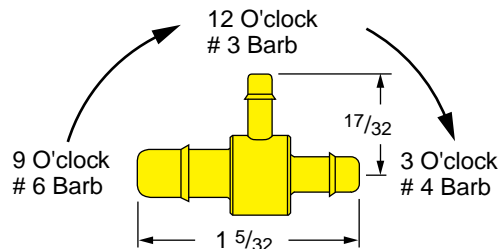
Part numbers are written with **male thread first – female thread indicated second.**

**Example: 1/4 BSPT to 1/8 (F)**  
(Line # 94, Page 23)



**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 # 7, Page 2)**



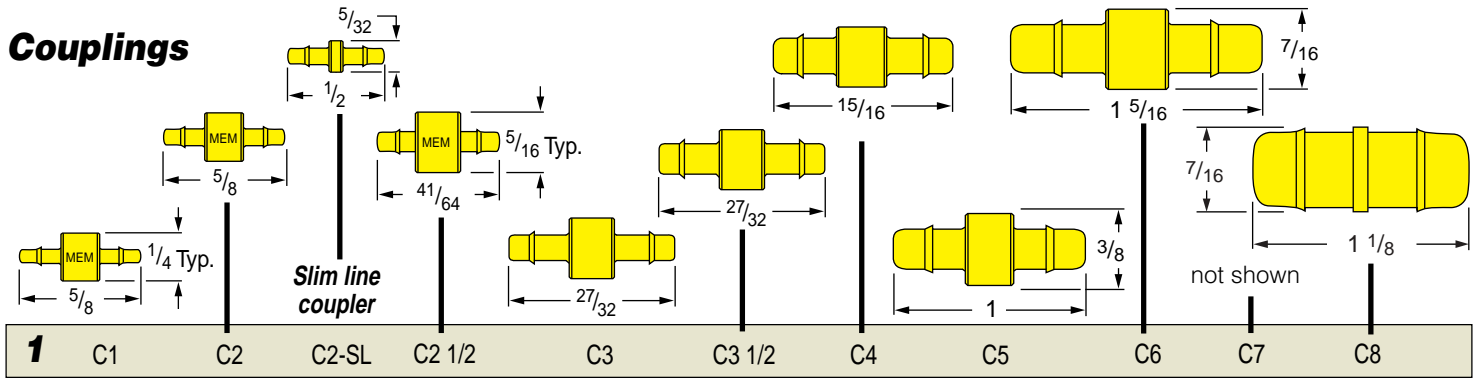
**MEM-CO Model Designations are coded as follows:**

C	=	coupling, tube to tube
L	=	elbow, barbs at 90°
T	=	tee/ (-3) = (3 way tee)
T90°	=	branches at 90°
X	=	4 way cross
R	=	reducer
RB	=	reducer bushing
RC	=	reducer coupling
RT	=	reducer tee
RX	=	reducer cross
A	=	adjustable
BK	=	bulkhead
F	=	female thread
HN	=	hex nipple
IRM	=	in-line reducer manifold
M	=	manifold
SW	=	swivel
V	=	outlets at 60°

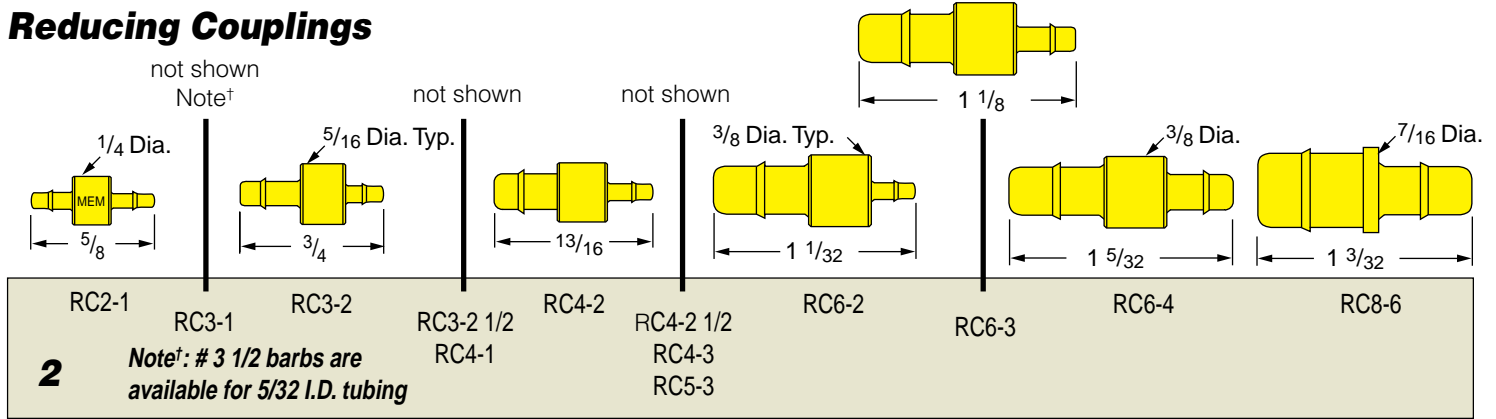
## 5. Orifice Fittings

Many of our small brass fittings such as 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.

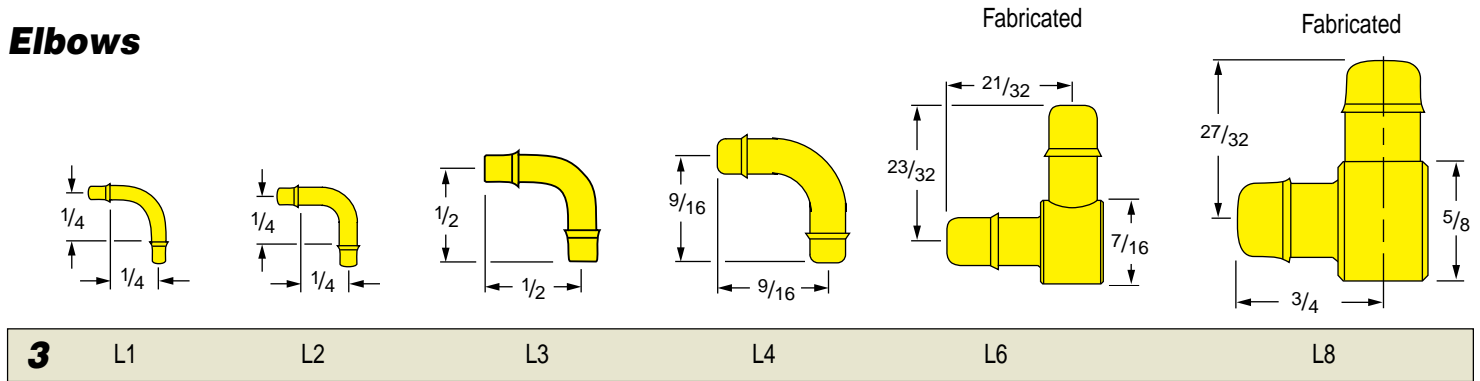
### Couplings



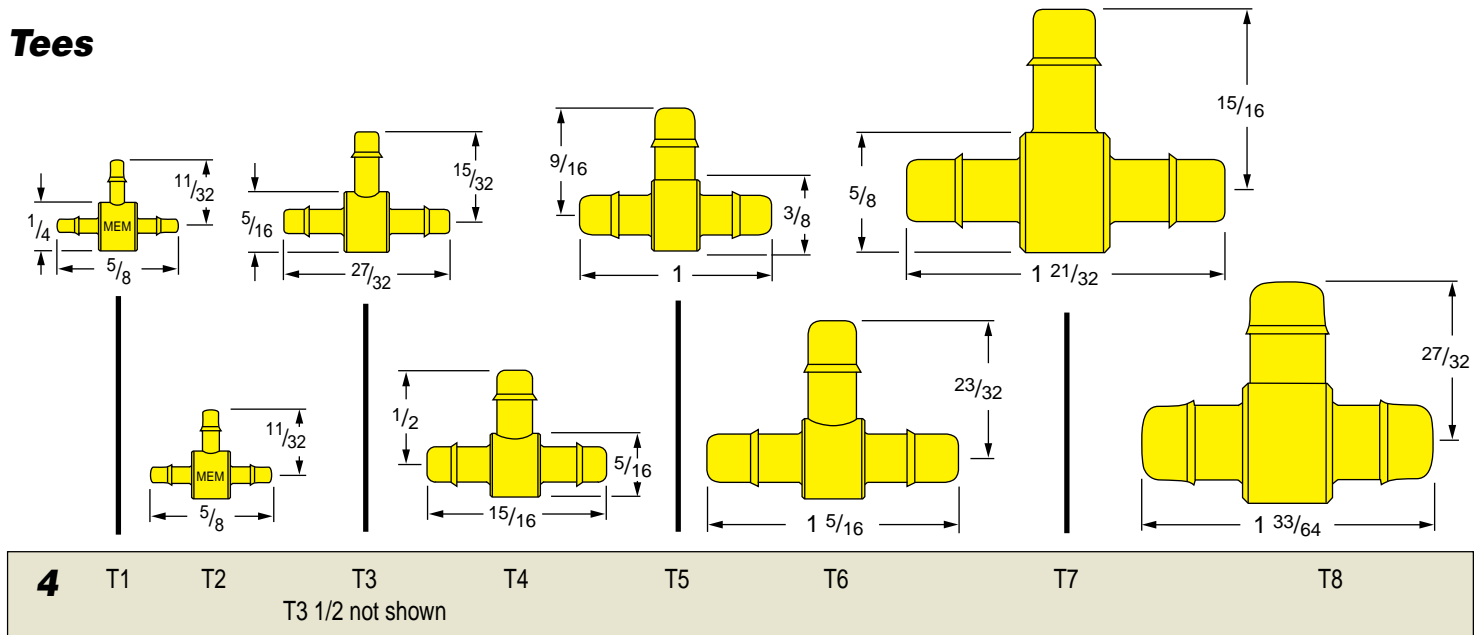
### Reducing Couplings



### Elbows

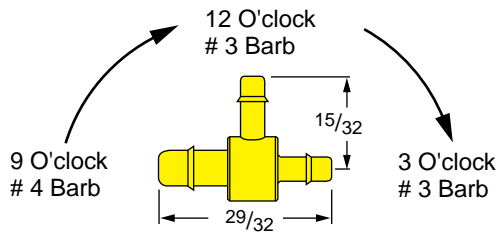


### Tees



## Reducing Tees

**Part numbers:** 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.



not shown

RT1-3-1	RT3-2-3	RT3-4-3	RT4-1-4	RT4-3-3	RT4-3-4	RT4-4-2	RT4-4-3
RT2-1-2	RT3-2 1/2-3		RT4-2-4				
RT3-2-2							
RT3-1-3							

**Note: # 3 1/2 barbs are available for 5/32 I.D. tubing**

**5**

not shown

RT5-2-5	RT6-2-6	RT6-3-6	RT6-4-6	RT6-6-3
RT5-3-5				

**Note: # 3 1/2 barbs are available for 5/32 I.D. tubing**

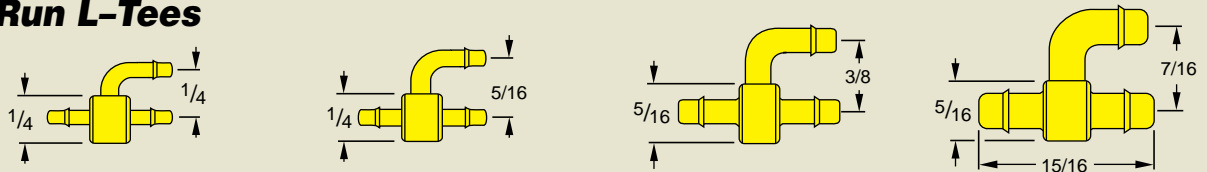
**6**

RT6-3-3	RT6-3-4	RT6-4-3	RT6-8-6	RT8-2-8
RT6-3-2 not shown				RT8-3-8
RT6-2-3 not shown				RT8-6-8

**Note: # 3 1/2 barbs are available for 5/32 I.D. tubing**

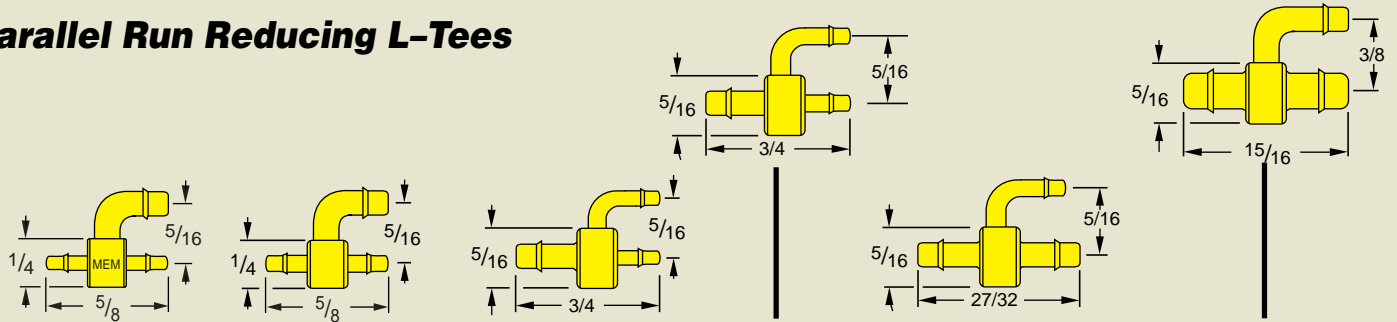
**7**

### Parallel Run L-Tees



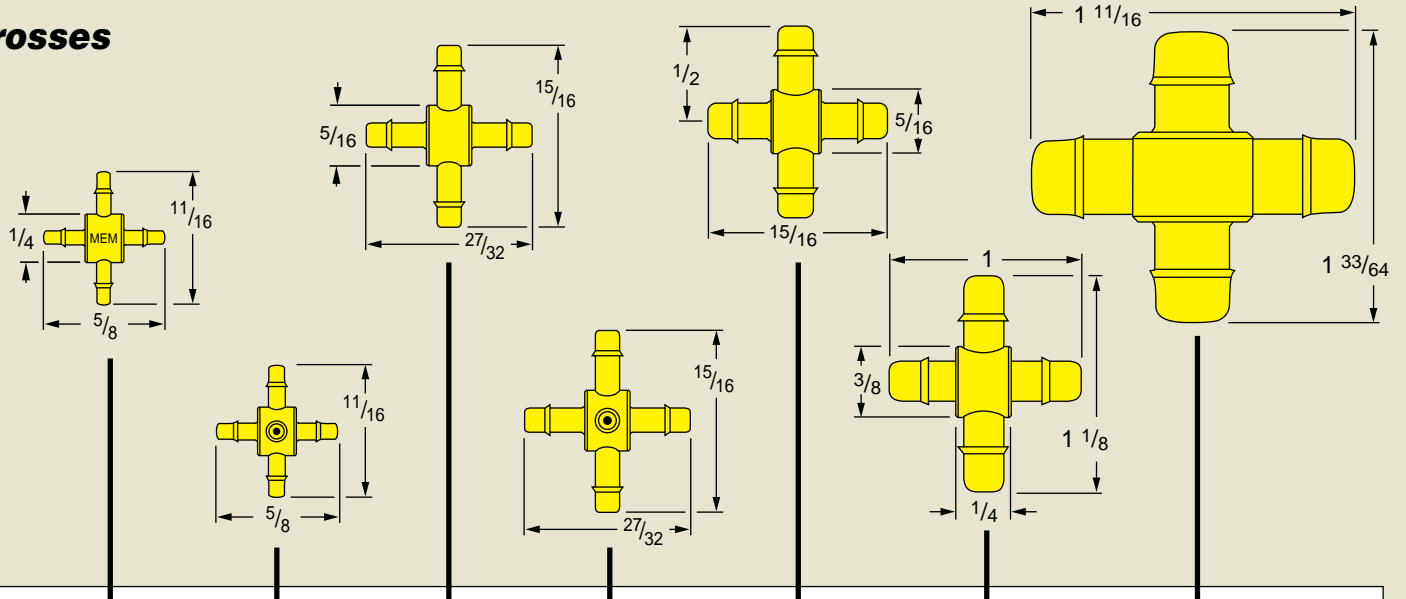
**8** T1-L1-1 T2-L2-2 T3-L3-3 T4-L4-4

### Parallel Run Reducing L-Tees



**9** RT1-3L-1 RT2-3L-2 RT3-1L-1 RT3-2L-2 RT3-2L-3 RT4-3L-4

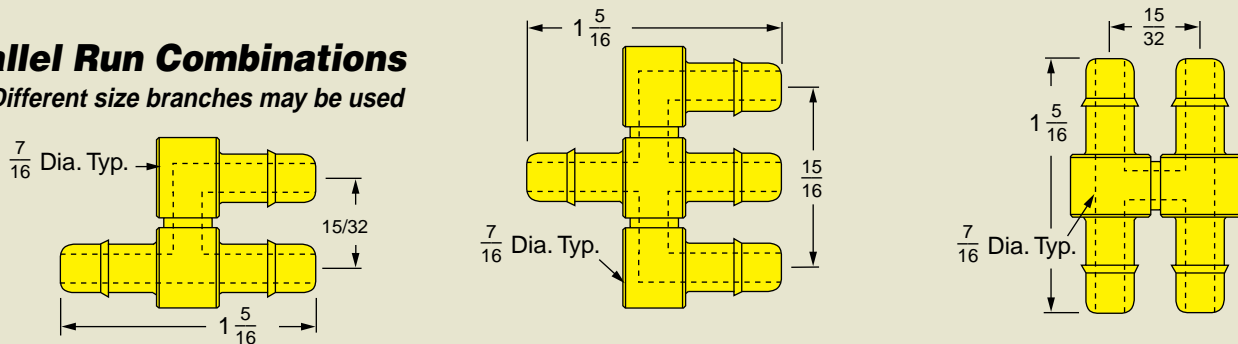
### Crosses



**10** X1 shown X2 not shown X2<sup>1</sup>/<sub>2</sub> not shown X3 X3 x 5 X4 X5 X6 X8  
 X2 x 5 Five Branches X3 X3 x 5 Five Branches X4 X5 X6 not shown X8

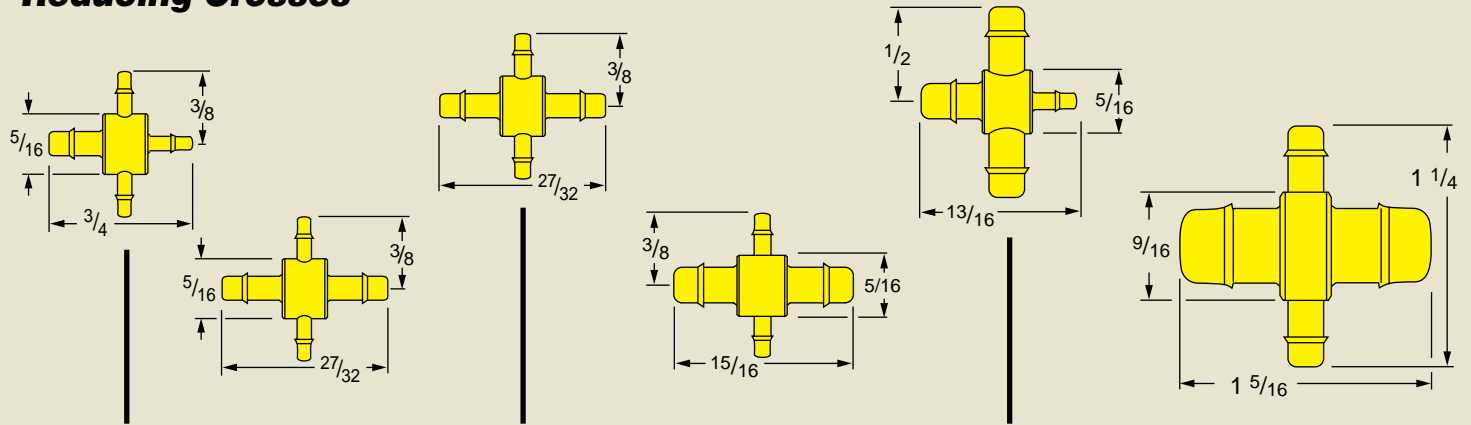
### Parallel Run Combinations

Note: Different size branches may be used



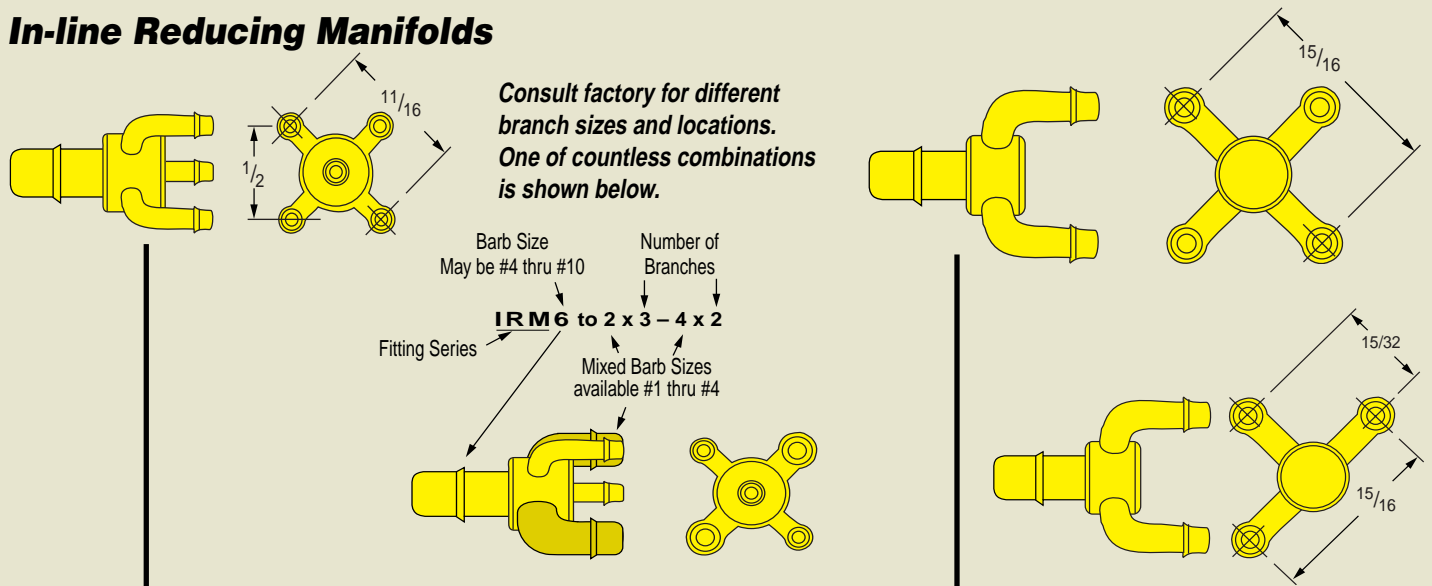
**11** T-6-L6-6 IM6-L6-6-L6 H-6

**Reducing Crosses**



RX3-1-1-1      RX3-1-3-1      RX3-2-3-2      RX4-2-4-2      RX4-4-2-4      RX8-4-8-4      **12**

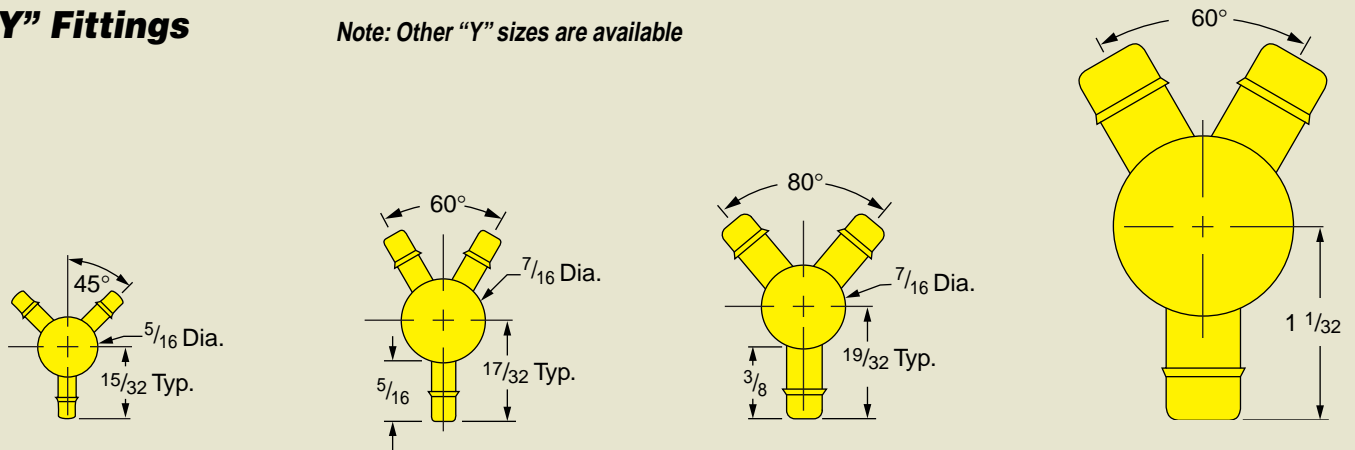
**In-line Reducing Manifolds**



IRM 6 to 2 x 5      *Ordering example above shows #6 barb inlet with 5 outlets – three #2 branches; two #4 branches*      IRM 6 to 4 x 4      IRM 6 to 4 x 3      **13**

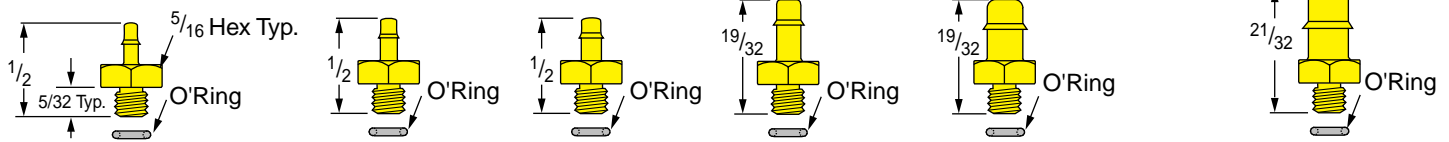
**“Y” Fittings**

*Note: Other “Y” sizes are available*



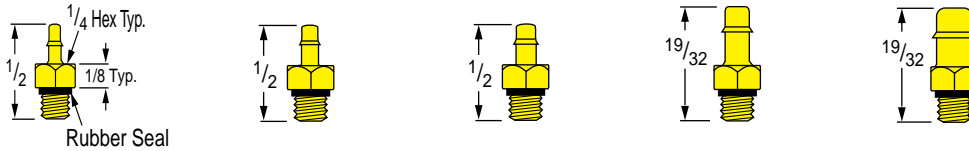
Y-1 (not shown)      Y-2 (shown)      Y-3      Y-4      Y-8      **14**

**10-32 Male Thread to Tube with O-Ring Seal Assembled**



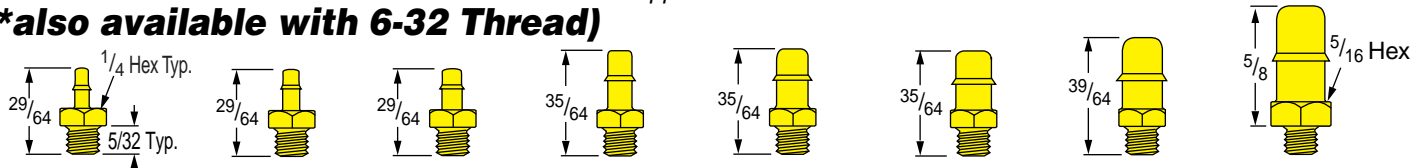
**15** B1-0 B2-0 B2 1/2-0 B3-0 B4-0 B5-0

**10-32 Male Thread to Tube with Captive Rubber Gasket Assembled**



**16** B1-0-1/4 B2-0-1/4 B2 1/2-0-1/4 B3-0-1/4 B4-0-1/4

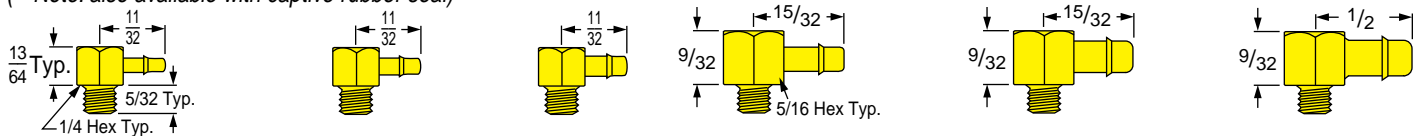
**10-32 Male Thread to Tube Fibre Gasket Supplied (\*also available with 6-32 Thread)**



**17** B1\* B2\* B2 1/2\* B3 B3 1/2 B4 B5 B6

**Elbows: 10-32 Male to Tube Fibre Gasket Supplied (\* Note: also available with "O" Ring seal)**

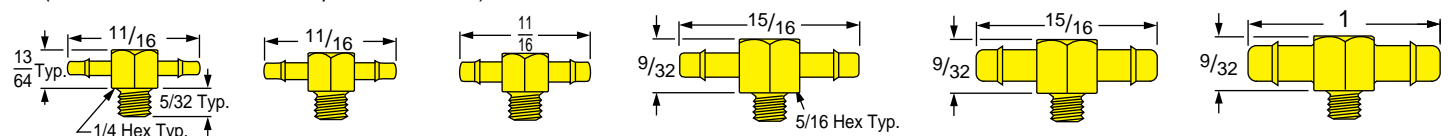
( †Note: also available with captive rubber seal)



**18** 10LB1† 10LB2† 10LB2 1/2† 10LB3\* 10LB3 1/2\* 10LB4\*

**Tees: 10-32 Male to Tube Fibre Gasket Supplied (\* Note: also available with "O" Ring seal)**

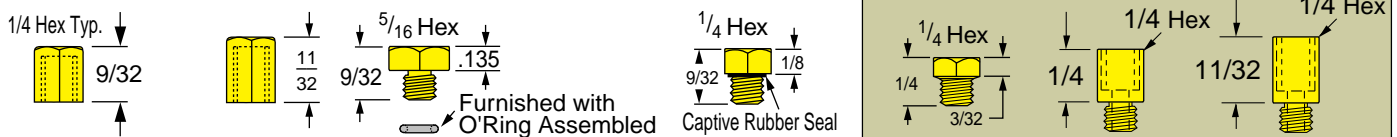
( †Note: also available with captive rubber seal)



**19** 10T1† 10T2† 10T2 1/2† 10T3\* 10T3 1/2\* 10T4\*

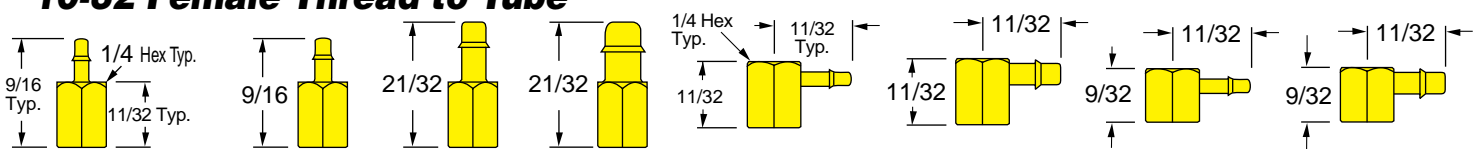
**10-32 Caps, Plugs & Extensions**

( †Note: Fibre Gasket Supplied)



**20** 10-32 Cap Short 10-32 Cap 10-0 Plain Plug 10-0-1/4 Plain Plug † 10-32 Plain Plug † EX10-10 (1/4) † EX10-10

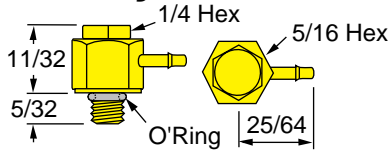
**10-32 Female Thread to Tube**



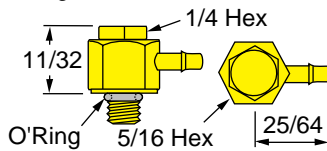
**21** 10-FB1 10-FB2 10-FB3 10-FB4 10-FLB1 10-FLB2 10-FLB1 (Short) 10-FLB2 (Short)



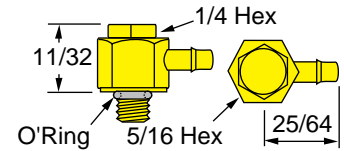
**10-32 Adjustable Elbows** with O-Ring Seals Assembled



A10-LB1

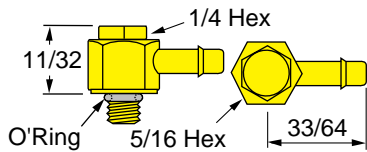


A10-LB 2

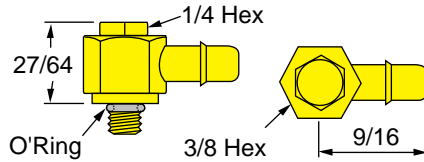


A10-LB 2 1/2

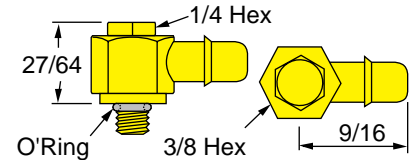
**22**



A10-LB3



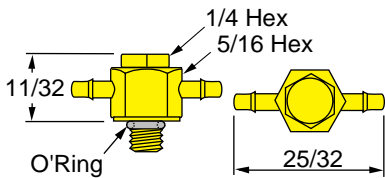
A10-LB4



A10-LB 5

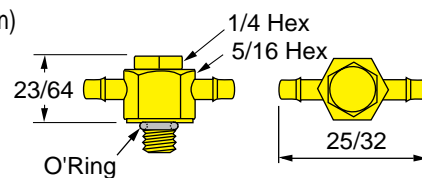
**23**

**10-32 Adjustable TEEs** with O-Ring Seals Assembled



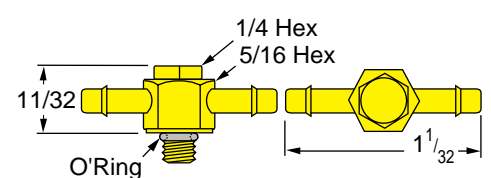
A10-T1

(Not shown)



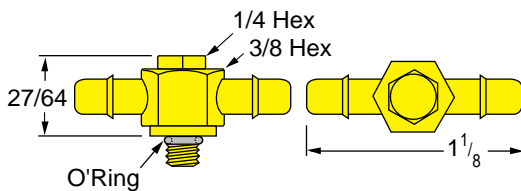
A10-T2

A10-T2 1/2

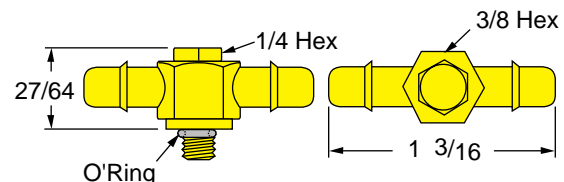


A10-T3

**24**



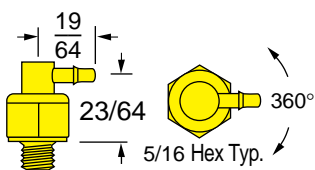
A10-T4



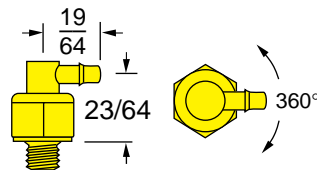
A10-T5

**25**

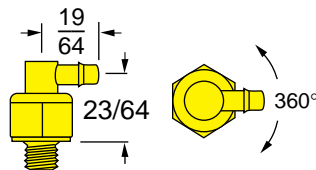
**10-32 Swivel Elbows** Fibre Gasket Supplied



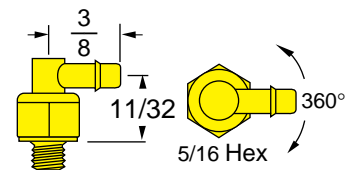
10SW-L1



10SW-L2



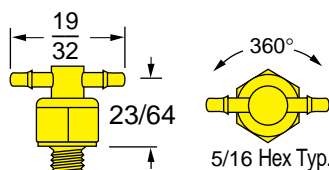
10SW-L2 1/2



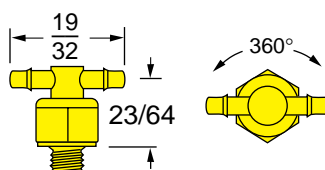
10SW-L3

**26**

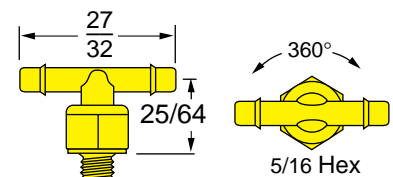
**10-32 Swivel Tees** Fibre Gasket Supplied



10SW-T1



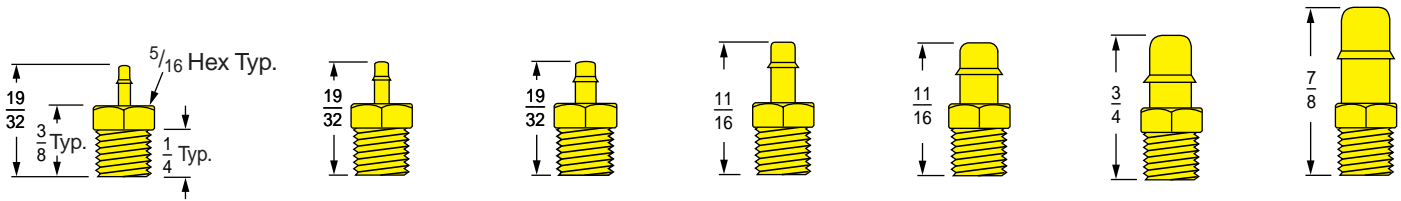
10SW-T2



10SW-T3

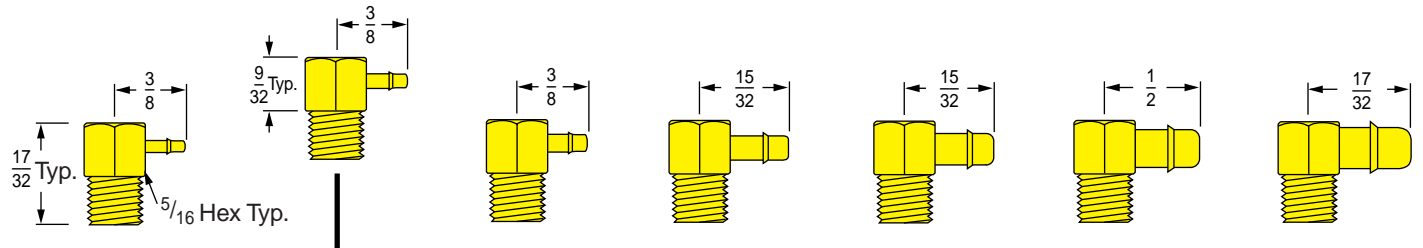
**27**

**1/4-28 Male Straight Thread to Tube** *Fibre Gasket Supplied*



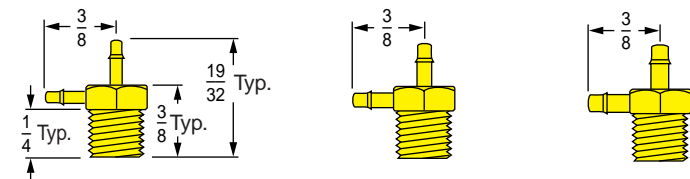
**28**    4-28 B1                      4-28 B2                      4-28 B 2 1/2                      4-28 B3                      4-28 B4                      4-28 B5                      4-28 B6

**Elbows: 1/4-28 Male to Tube** *Fibre Gasket Supplied*



**29**    4-28 L B1                      4-28 L B2                      4-28 L B 2 1/2                      4-28 L B3                      4-28 L B 3 1/2                      4-28 L B4                      4-28 L B5

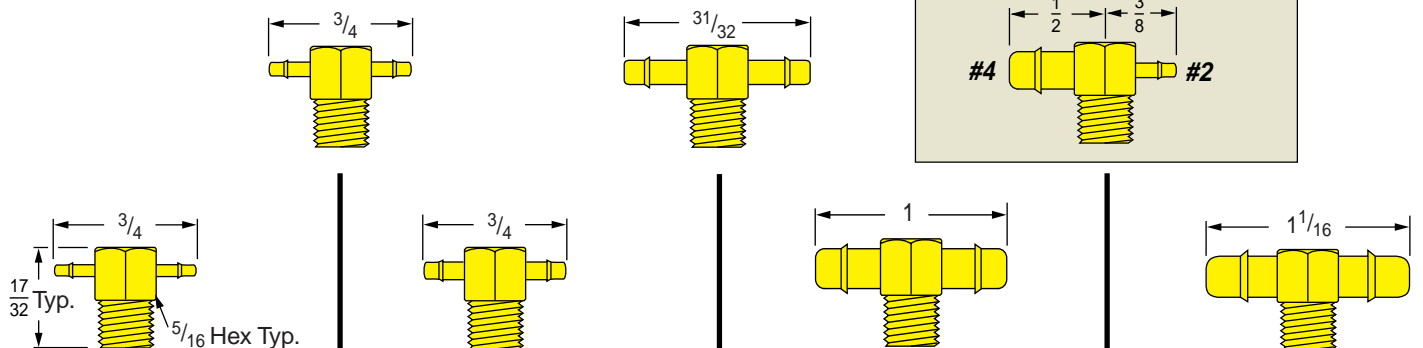
**L-Tees: 1/4-28 Male to Tube** *Fibre Gasket Supplied*



**Note: Also available as Reducing L-Tee combinations similar to two examples below**

**30**    4-28 L T1                      4-28 L T2                      4-28 L T 2 1/2                      4-28 RLT 2-1                      4-28 RLT 2-3

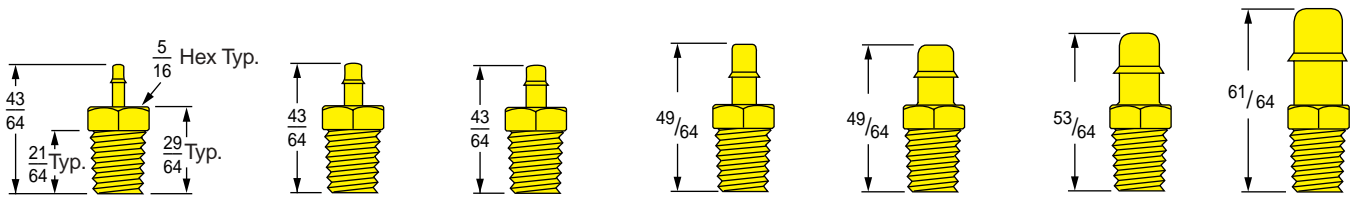
**Tees: 1/4-28 Male to Tube** *Fibre Gasket Supplied*



**Note: Also available as Reducing Tee combinations similar to the example below**

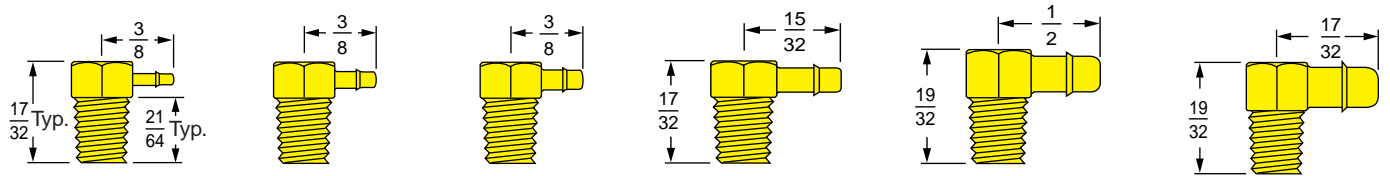
**31**    4-28 T1                      4-28 T2                      4-28 T 2 1/2                      4-28 T3                      4-28 T4                      4-28 RT 4-2                      4-28 T5

**1/16 Male Pipe Thread to Tube**



1/16 B1      1/16 B2      1/16 B2 1/2      1/16 B3      1/16 B4      1/16 B5      1/16 B6      **32**

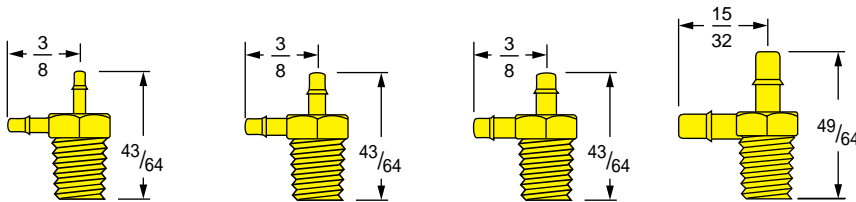
**Elbows: 1/16 NPT Male to Tube**



1/16 LB1      1/16 LB2      1/16 LB2 1/2      1/16 LB3      1/16 LB4      1/16 LB5      **33**

**L-Tees: 1/16 NPT Male to Tube**

*Note: Also available in Reducing L-Tee combinations. See "RLT" examples on opposite page, line 30.*



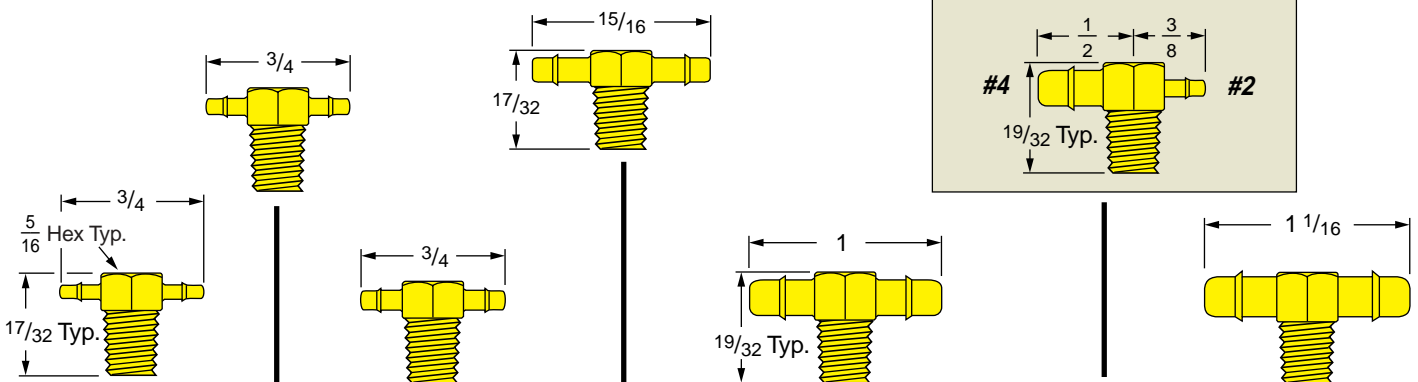
1/16 LT1      1/16 LT2      1/16 LT2 1/2      1/16 LT3

**45° Elbows - NEW**

† *Note: also available with #1, #2, & #4 barbs*

†1/16 LB3-45°      †1/16 LB6-45°      **34**

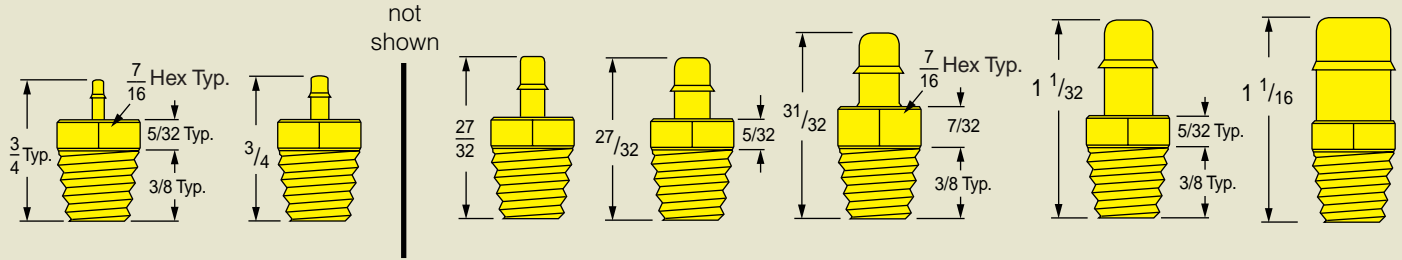
**Tees: 1/16 NPT Male to Tube**



*Note: Also available as Reducing Tee combinations similar to the example below*

1/16 T1      1/16 T2      1/16 T2 1/2      1/16 T3      1/16 T4      1/16 RT 4-2      1/16 T5      **35**

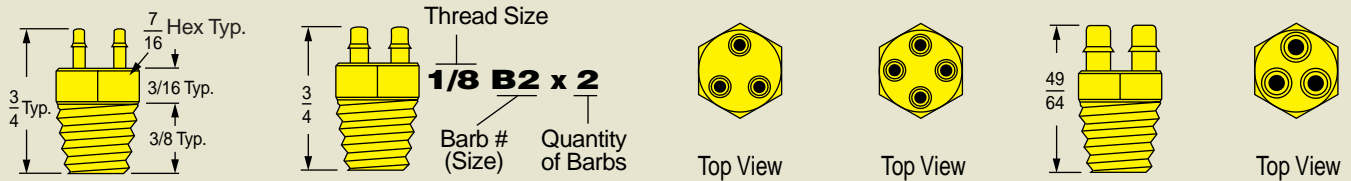
### 1/8 Male Pipe Thread to Tube



**36** 1/8 B1      1/8 B2    1/8 B2 1/2    1/8 B3      1/8 B4      1/8 B5      1/8 B6      1/8 B8

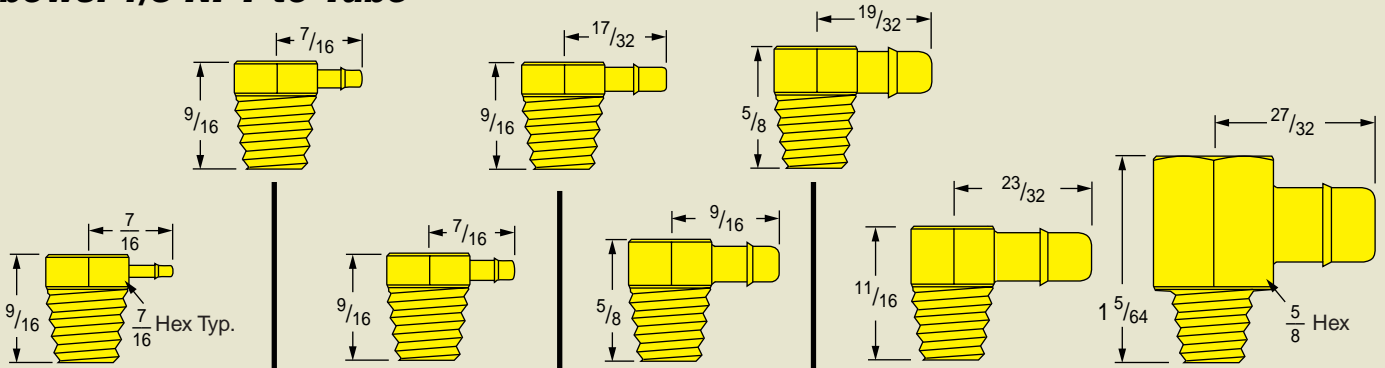
### 1/8 Male Pipe Straight Manifolds

Part Numbering Example



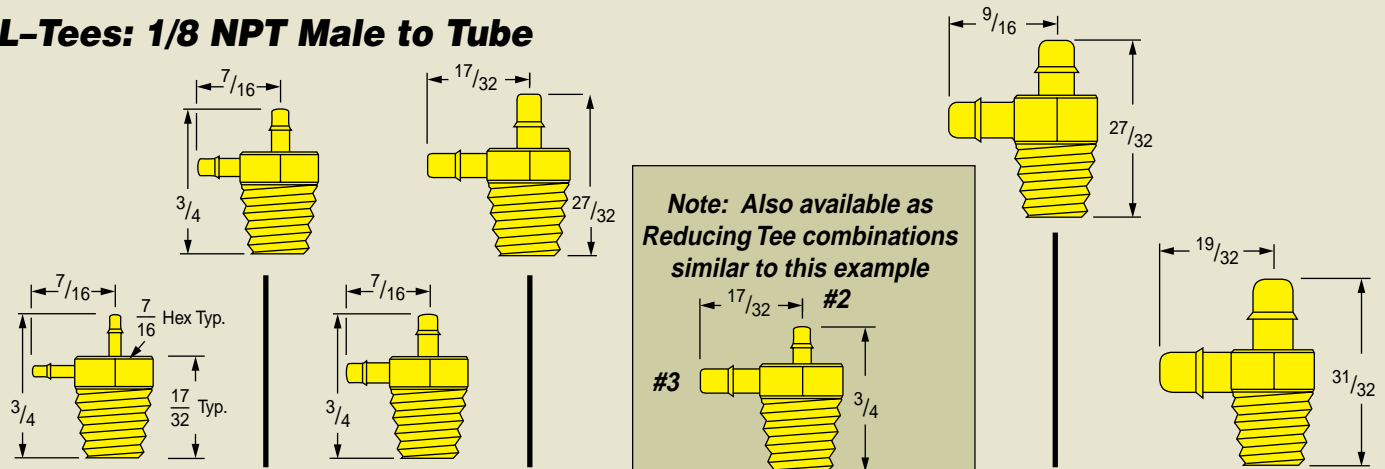
**37** 1/8 B1 x 2      1/8 B2 x 2      1/8 B2 x 3      1/8 B2 x 4      1/8 B3 x 2      1/8 B3 x 3

### Elbows: 1/8 NPT to Tube



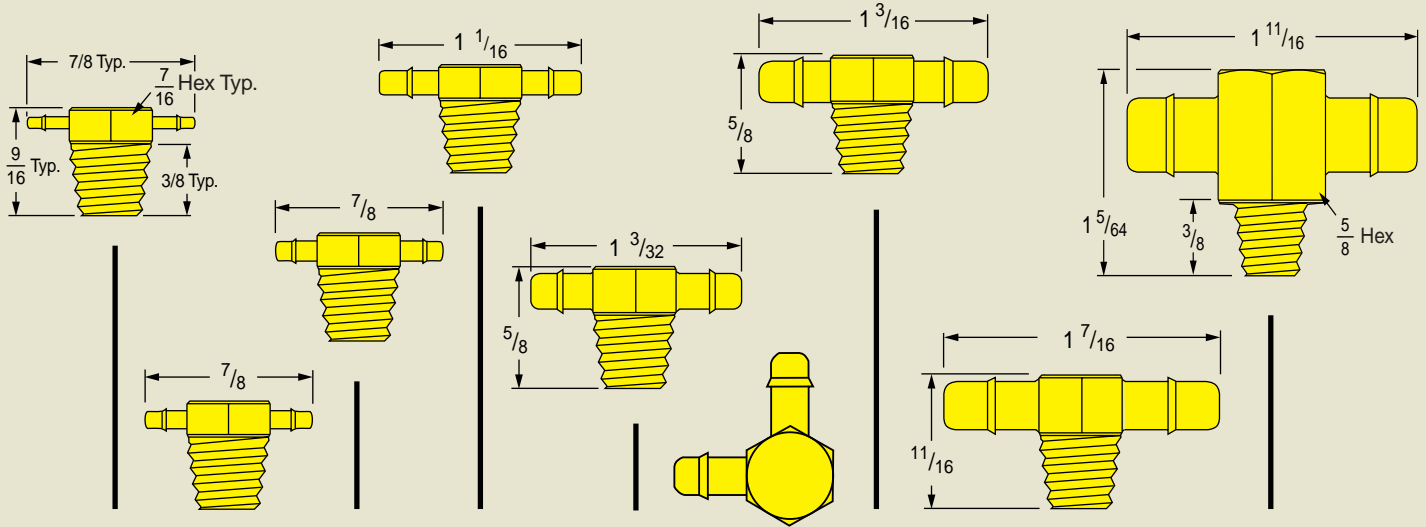
**38** 1/8 LB1    1/8 LB2    1/8 LB2 1/2    1/8 LB3    1/8 LB4    1/8 LB5    1/8 LB6      1/8 LB8

### L-Tees: 1/8 NPT Male to Tube

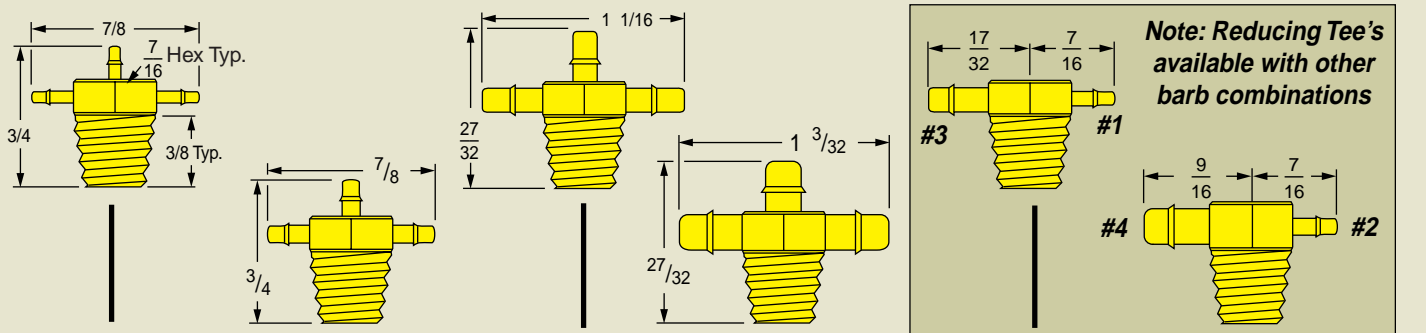


**39** 1/8 LT1    1/8 LT2    1/8 LT2 1/2    1/8 LT3      1/8 RLT3-2    1/8 LT4      1/8 LT5

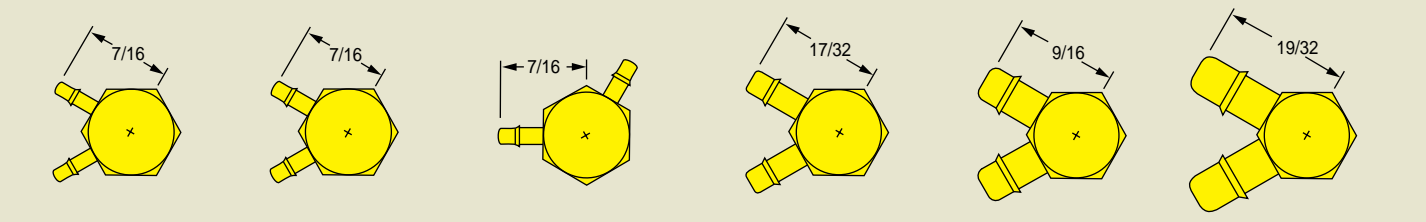
**Tees: 1/8 NPT Male to Tube**



1/8 T1    1/8 T2    1/8 T2 1/2    1/8 T3    1/8 T4    1/8 T4-90°    1/8 T5    1/8 T6    1/8 T8    **40**

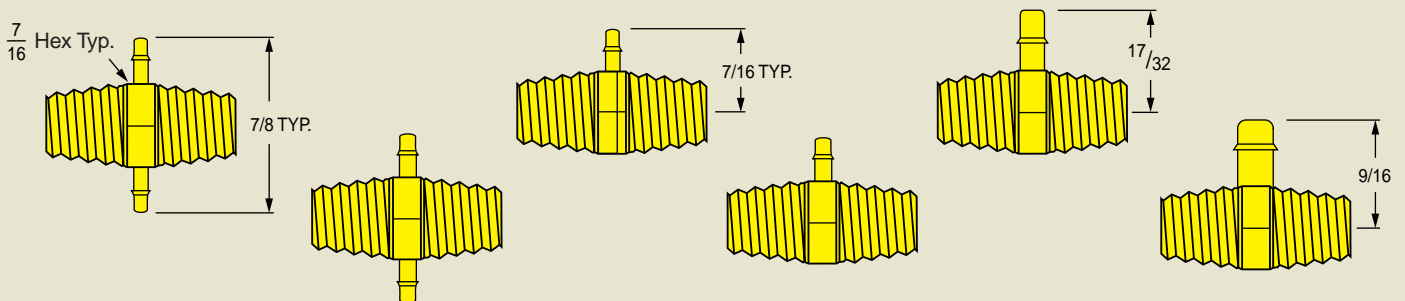


1/8 T1 x 3    1/8 T2 x 3    1/8 T3 x 3    1/8 T4 x 3    1/8 RT3 x 1    1/8 RT4 x 2    **41**



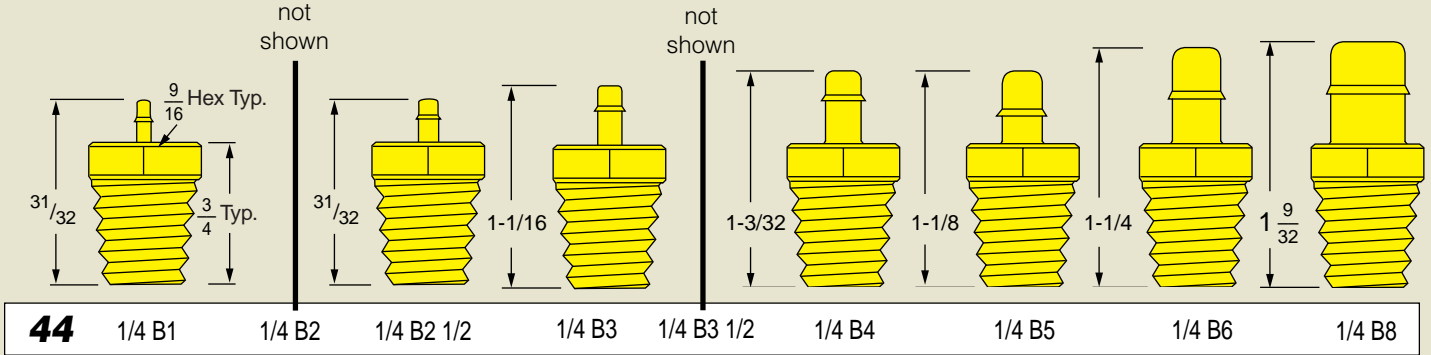
1/8 VT1    1/8 VT2    1/8 VT2 1/2-120°    1/8 VT3    1/8 VT4    1/8 VT5    **42**

**1/8 Male Pipe Nipples with Tube Branches**

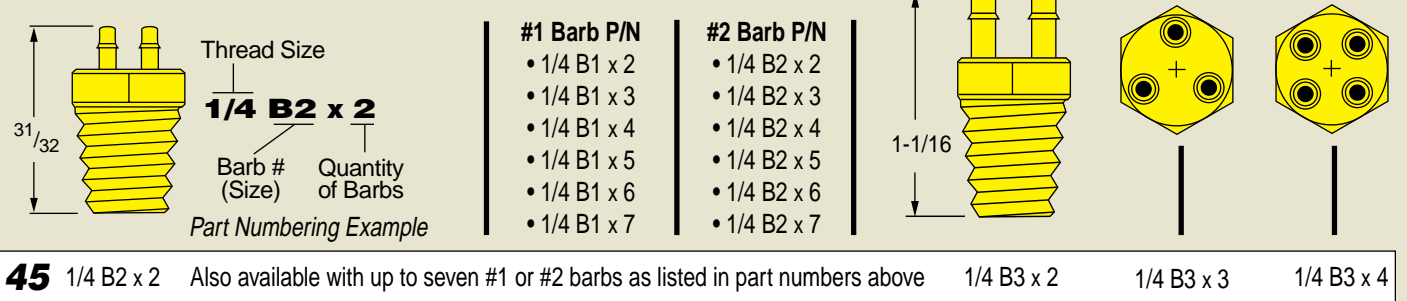


1/8 HNX1    1/8 HNX2    1/8 HN-T1    1/8 HN-T2    1/8 HN-T3    1/8 HN-T4    **43**

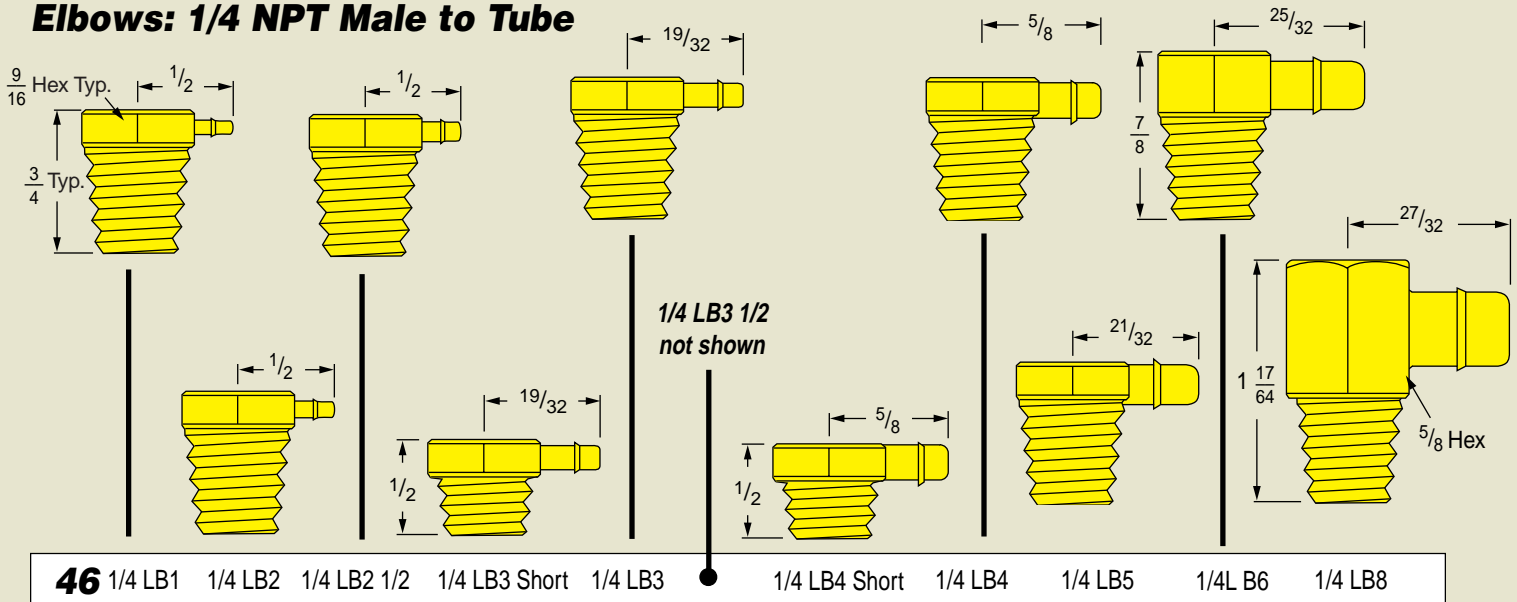
### 1/4 Male Pipe Thread to Tube



### 1/4 Male Pipe Straight Manifolds

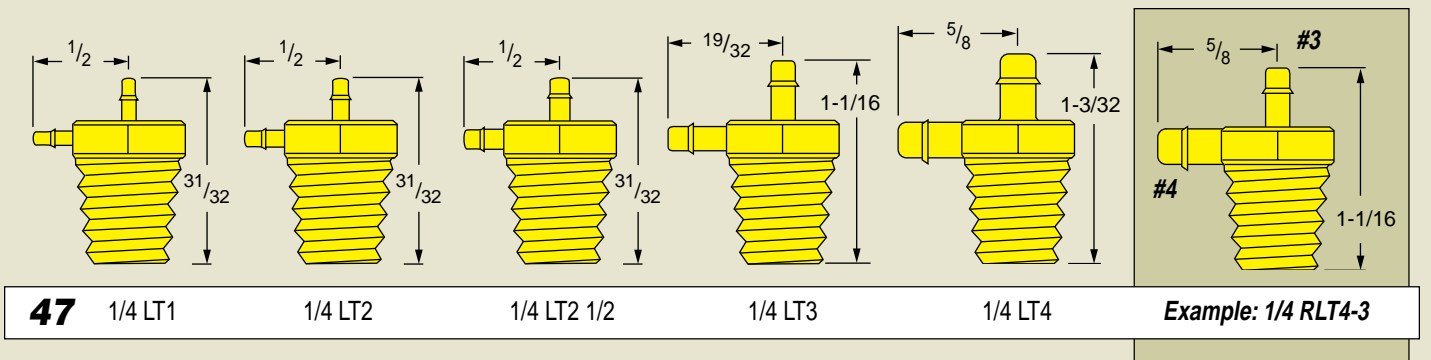


### Elbows: 1/4 NPT Male to Tube



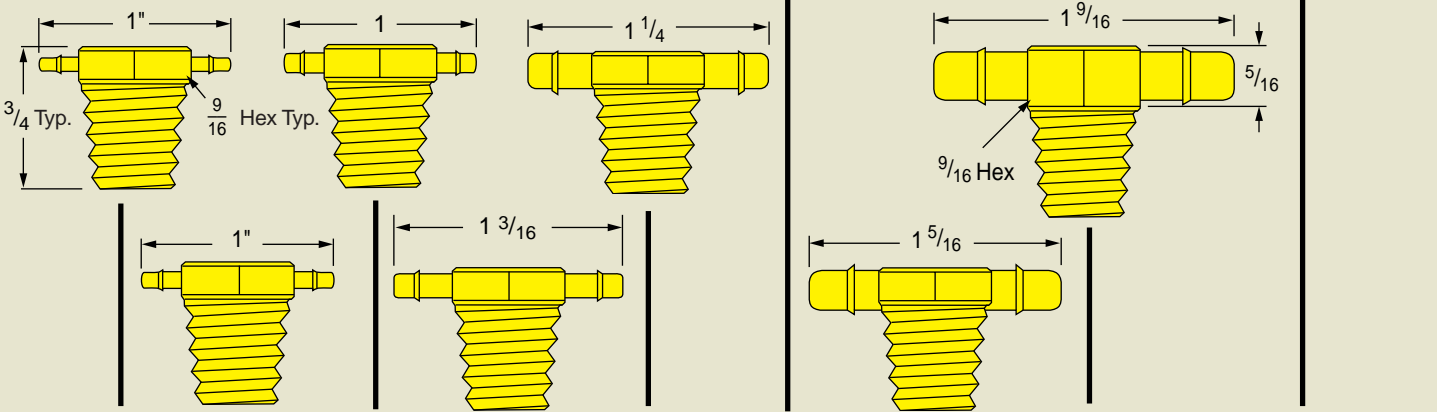
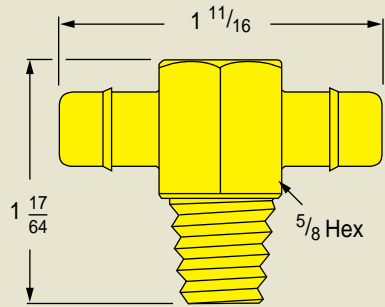
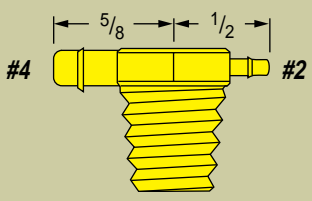
### L-Tees: 1/4 NPT Male to Tube

Note: Available in Reducing L-Tee combinations similar to the example below

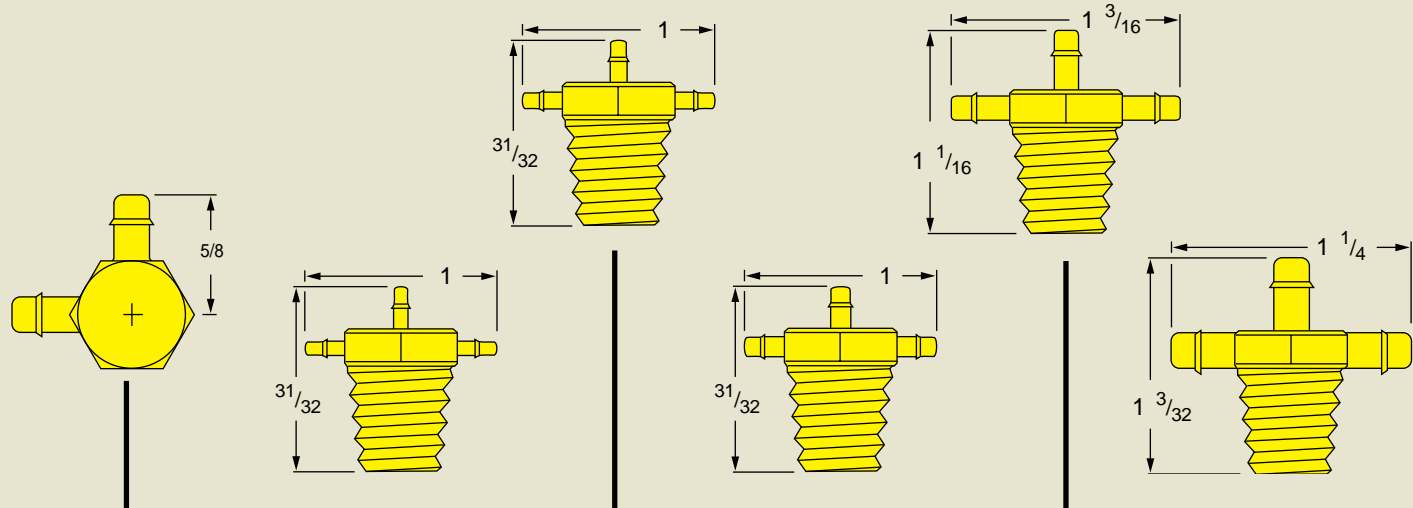


**Tees: 1/4 NPT Male to Tube**

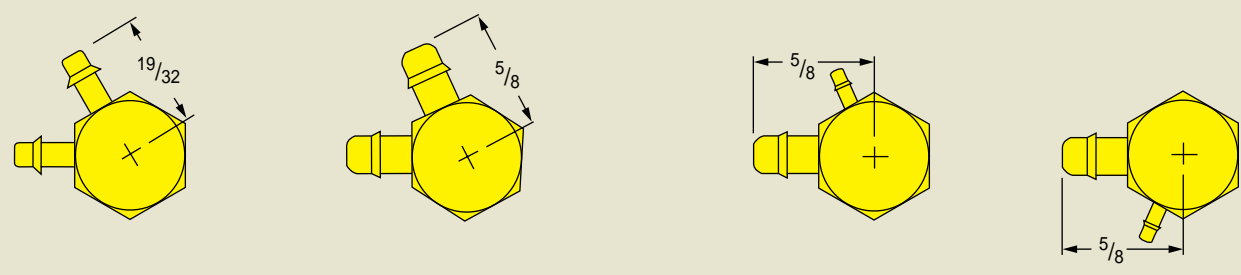
*Note: Also available as Reducing Tee combinations similar to this example of part number 1/4 RT4-2*



1/4 T1    1/4 T2    1/4 T2 1/2    1/4 T3    1/4 T4    1/4 RT4-2    1/4 T5    1/4 T6    1/4 T8    **48**

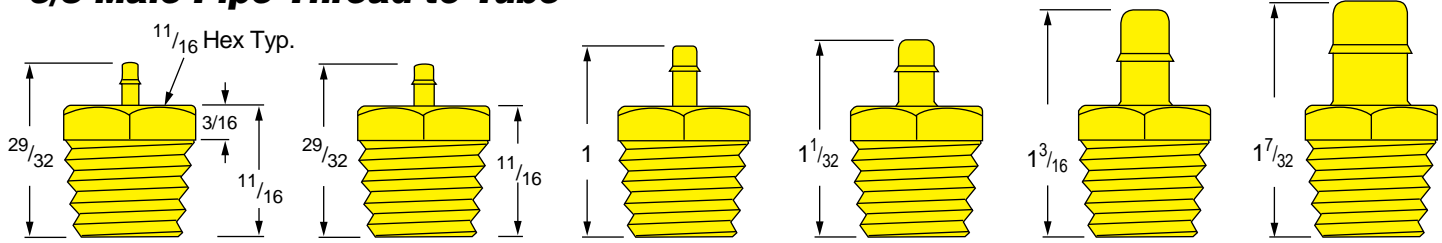


1/4 T4-90°    1/4 T1 x 3    1/4 T2 x 3    1/4 T2 1/2 x 3    1/4 T3 x 3    1/4 T4 x 3    **49**



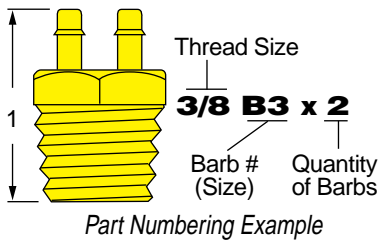
1/4 VT3    1/4 VT4    1/4 RVT4-2-RH    1/4 RVT4-2-LH    **50**

**3/8 Male Pipe Thread to Tube**



**51**    3/8 B2                      3/8 B2 1/2                      3/8 B3                      3/8 B4                      3/8 B6                      3/8 B8

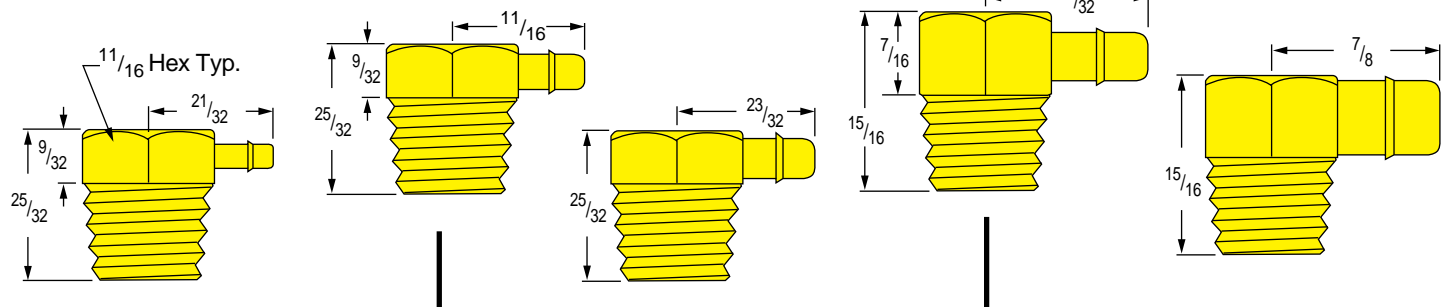
**3/8 Male Pipe Straight Manifolds**



#1 Barb P/N	#2 Barb P/N	#2 1/2 Barb P/N	#3 Barb P/N	#4 Barb P/N	#5 Barb P/N
• 3/8B1 x 2	• 3/8 B2 x 2	• 3/8 B2 1/2 x 2	• 3/8 B3 x 2	• 3/8 B4 x 2	• 3/8 B5 x 2
• 3/8B1 x 3	• 3/8 B2 x 3	• 3/8 B2 1/2 x 3	• 3/8 B3 x 3	• 3/8 B4 x 3	• 3/8 B5 x 3
• 3/8B1 x 4	• 3/8 B2 x 4	• 3/8 B2 1/2 x 4	• 3/8 B3 x 4	• 3/8 B4 x 4	• 3/8 B5 x 4
• 3/8B1 x 5	• 3/8 B2 x 5	• 3/8 B2 1/2 x 5	• 3/8 B3 x 5	• 3/8 B4 x 5	
• 3/8B1 x 6	• 3/8 B2 x 6	• 3/8 B2 1/2 x 6	• 3/8 B3 x 6		
• 3/8B1 x 7	• 3/8 B2 x 7	• 3/8 B2 1/2 x 7			

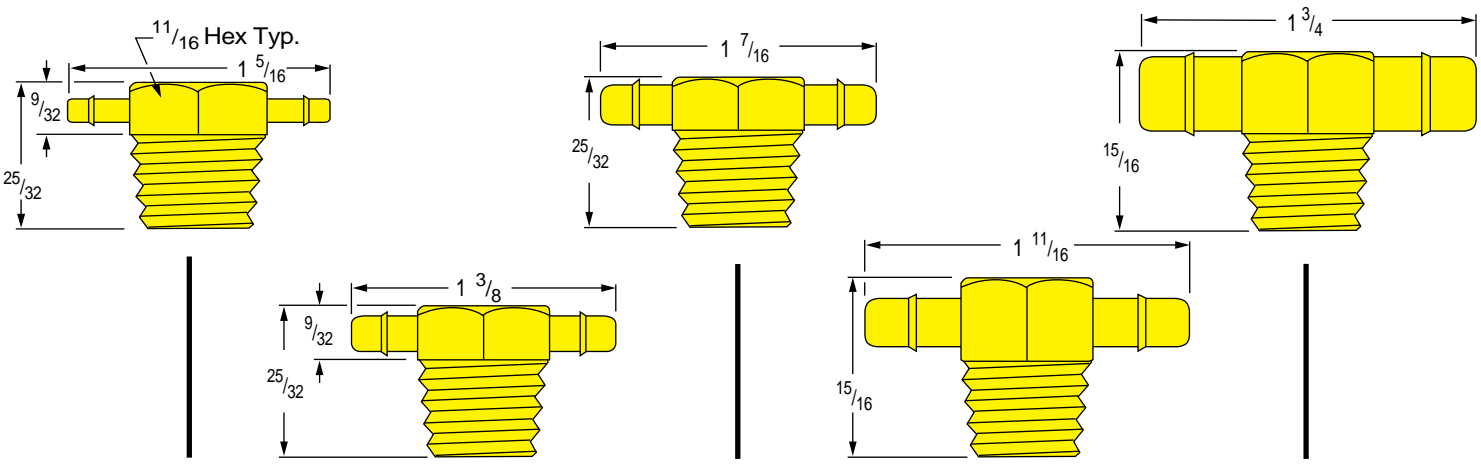
**52**                      Available with #1, #2, #2 1/2, #3, #4, and #5 barbs as listed in the part numbers above

**Elbows: 3/8 NPT Male to Tube**



**53**    3/8 LB3                      3/8 LB4                      3/8 LB5                      3/8 LB6                      3/8 LB8

**Tees: 3/8 NPT Male to Tube**

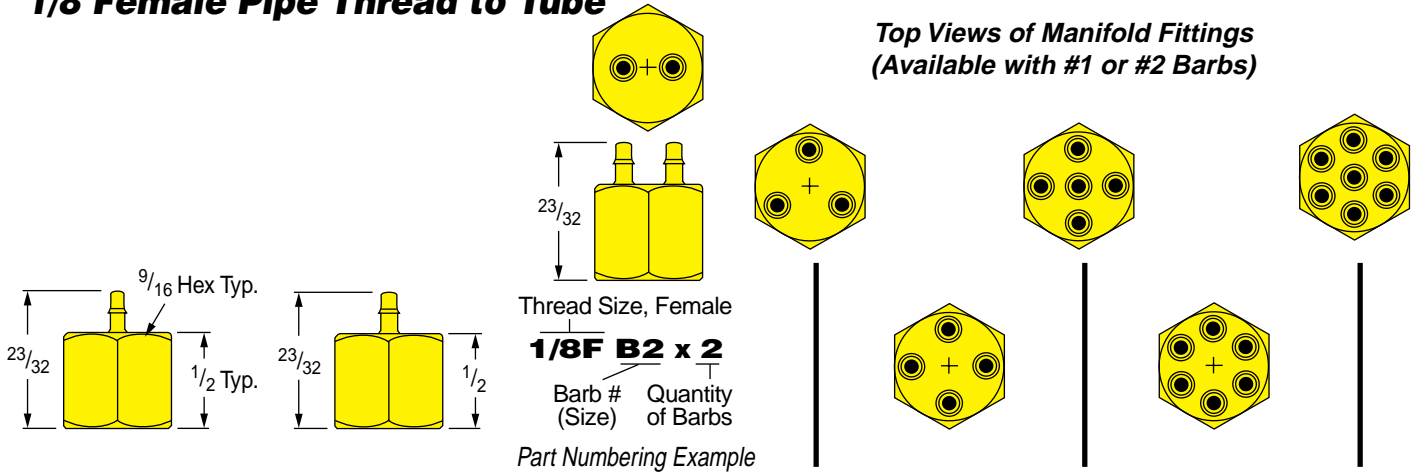


**54**    3/8 T3                      3/8 T4                      3/8 T5                      3/8 T6                      3/8 T8



**1/8 Female Pipe Thread to Tube**

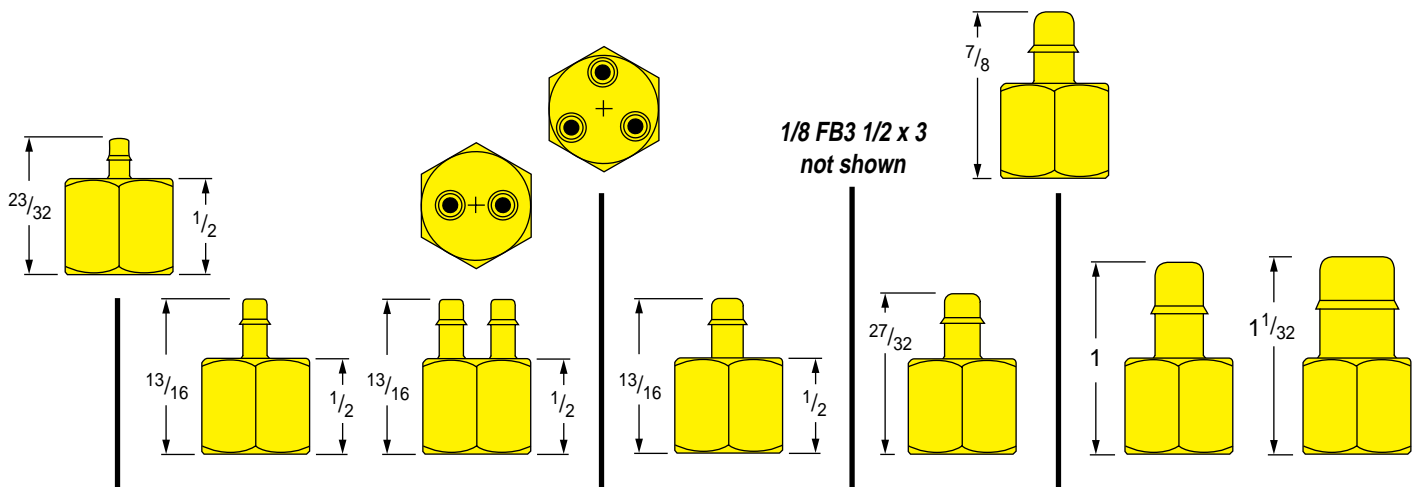
*Top Views of Manifold Fittings  
(Available with #1 or #2 Barbs)*



Thread Size, Female  
**1/8F B2 x 2**  
Barb #    Quantity of Barbs  
(Size)    of Barbs  
*Part Numbering Example*

1/8 FB1	1/8 FB2	1/8 FB1 x 2	1/8 FB1 x 3	1/8 FB1 x 4	1/8 FB1 x 5	1/8 FB1 x 6	1/8 FB1 x 7
		1/8 FB2 x 2	1/8 FB2 x 3	1/8 FB2 x 4	1/8 FB2 x 5	1/8 FB2 x 6	1/8 FB2 x 7

**55**

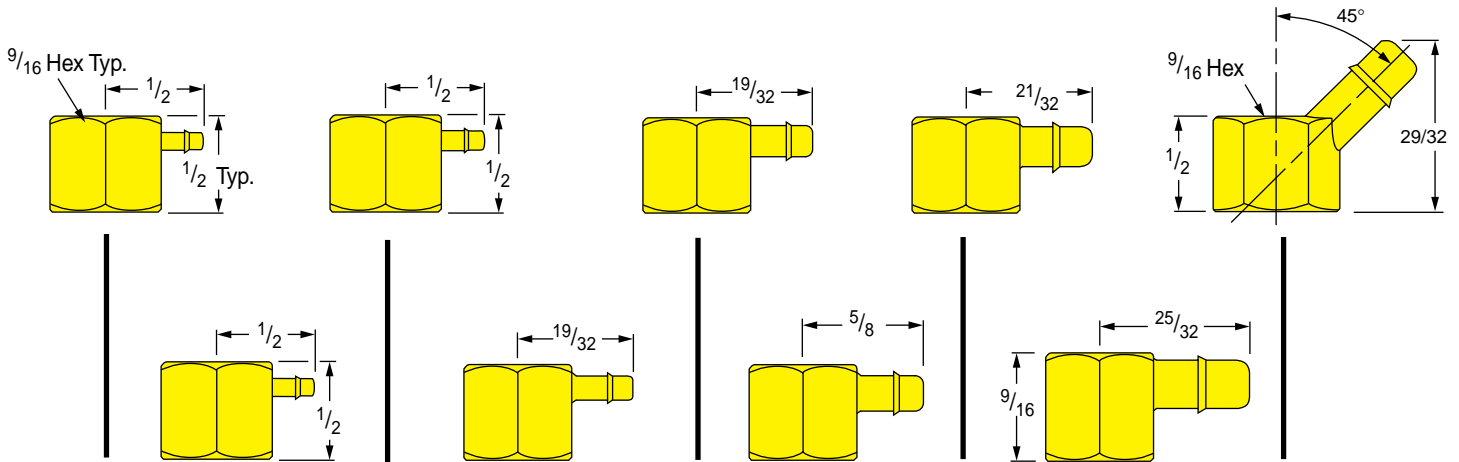


1/8 FB3 1/2 x 3  
not shown

1/8 FB2 1/2	1/8 FB3	1/8 FB3 x 2	1/8 FB3 x 3	1/8 FB3 1/2	1/8 FB4	1/8 FB5	1/8 FB6	1/8 FB8
-------------	---------	-------------	-------------	-------------	---------	---------	---------	---------

**56**

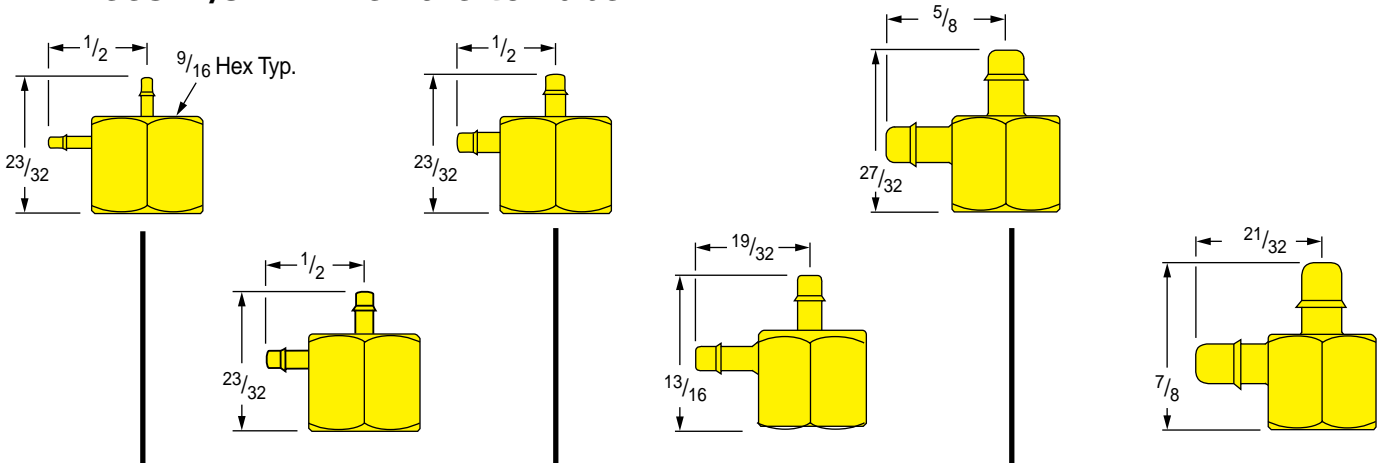
**Elbows: 1/8 NPT Female to Tube**



1/8 FLB1	1/8 FLB2	1/8 FLB2 1/2	1/8 FLB3	1/8 FLB3 1/2	1/8 FLB4	1/8 FLB5	1/8 FLB6	1/8 FLB6-45°
----------	----------	--------------	----------	--------------	----------	----------	----------	--------------

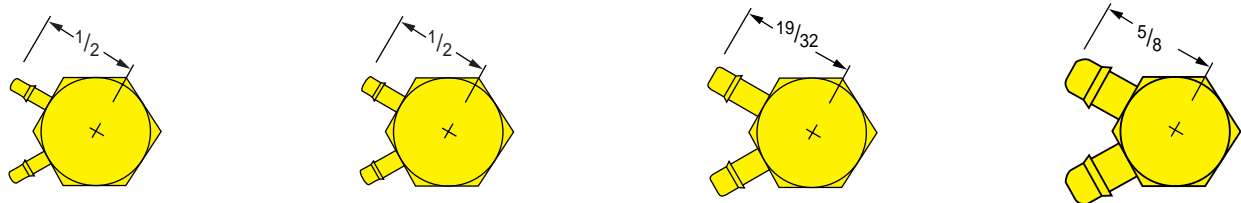
**57**

**L-Tees: 1/8 NPT Female to Tube**



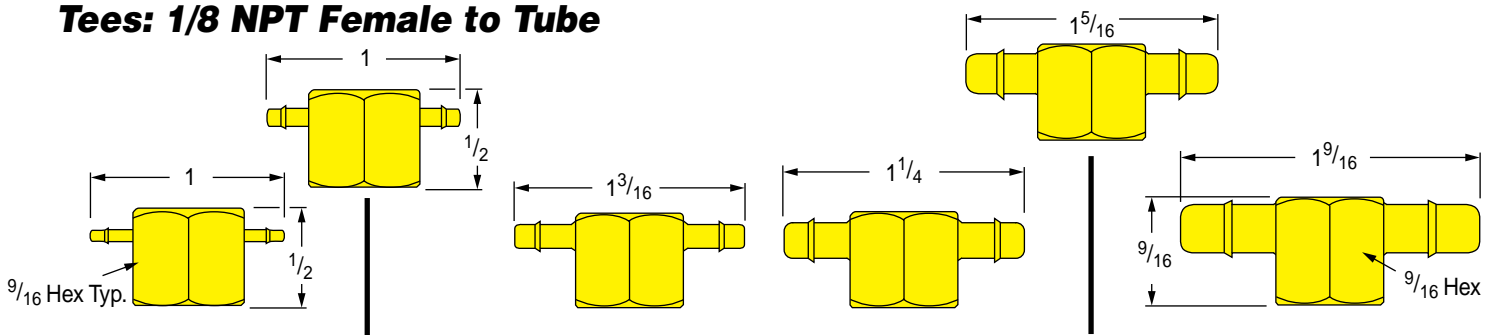
**58** 1/8 FLT1      1/8 FLT2      1/8 FLT2 1/2      1/8 FLT3      1/8 FLT4      1/8 FLT5

**V-Tees: 1/8 NPT Female to Tube**

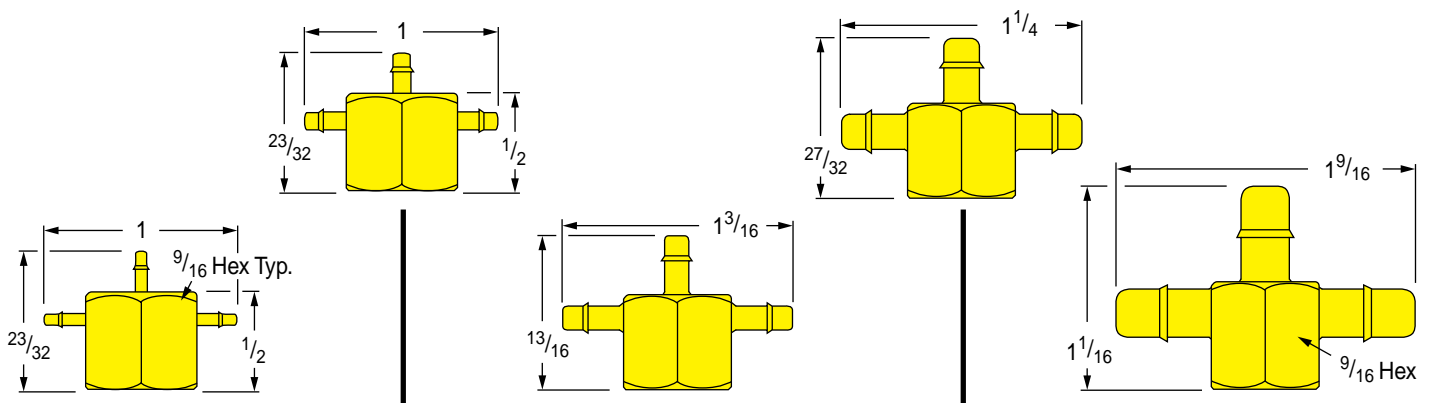


**59** 1/8 FVT1      1/8 FVT2      1/8 FVT3      1/8 FVT4

**Tees: 1/8 NPT Female to Tube**



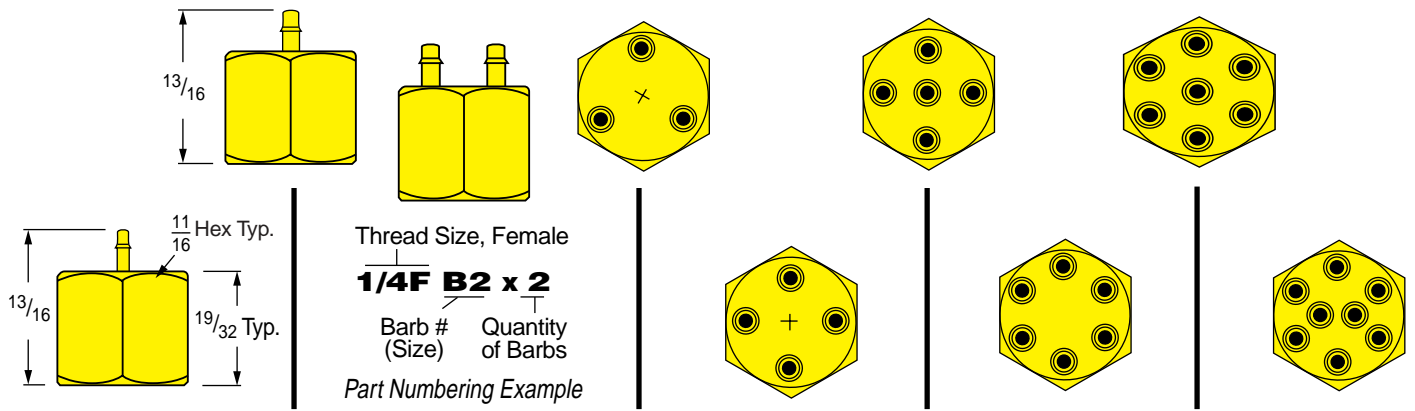
**60** 1/8 FT1      1/8 FT2      1/8 FT3      1/8 FT4      1/8 FT5      1/8 FT6



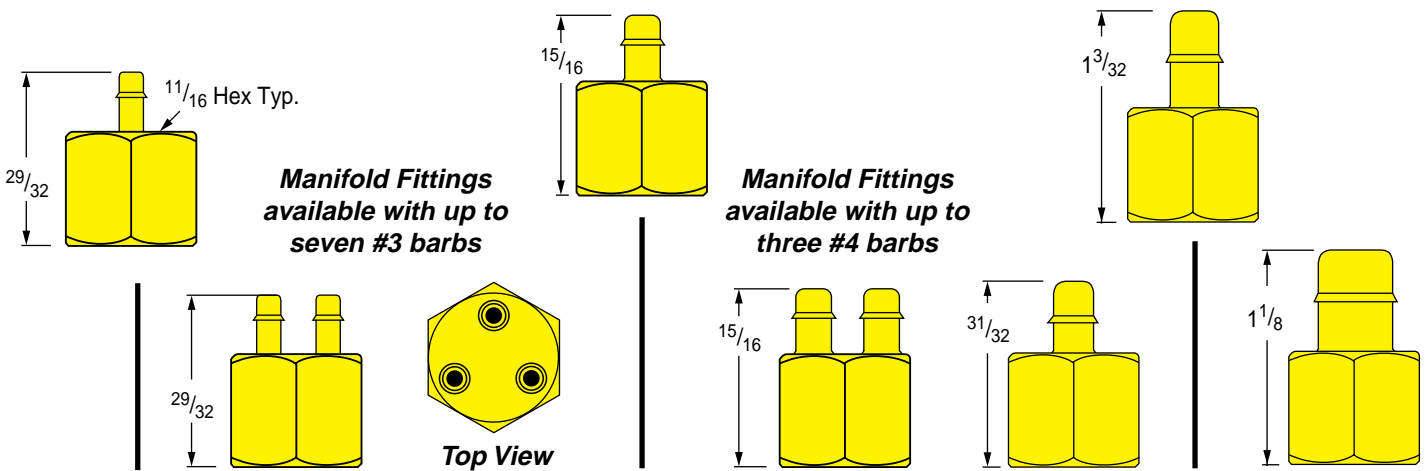
**61** 1/8 FT1 x 3      1/8 FT2 x 3      1/8 FT3 x 3      1/8 FT4 x 3      1/8 FT6 x 3

**1/4 Female Pipe Thread to Tube**

**Manifold Fittings Top Views**  
(Available with up to eight #1 or #2 Barbs)

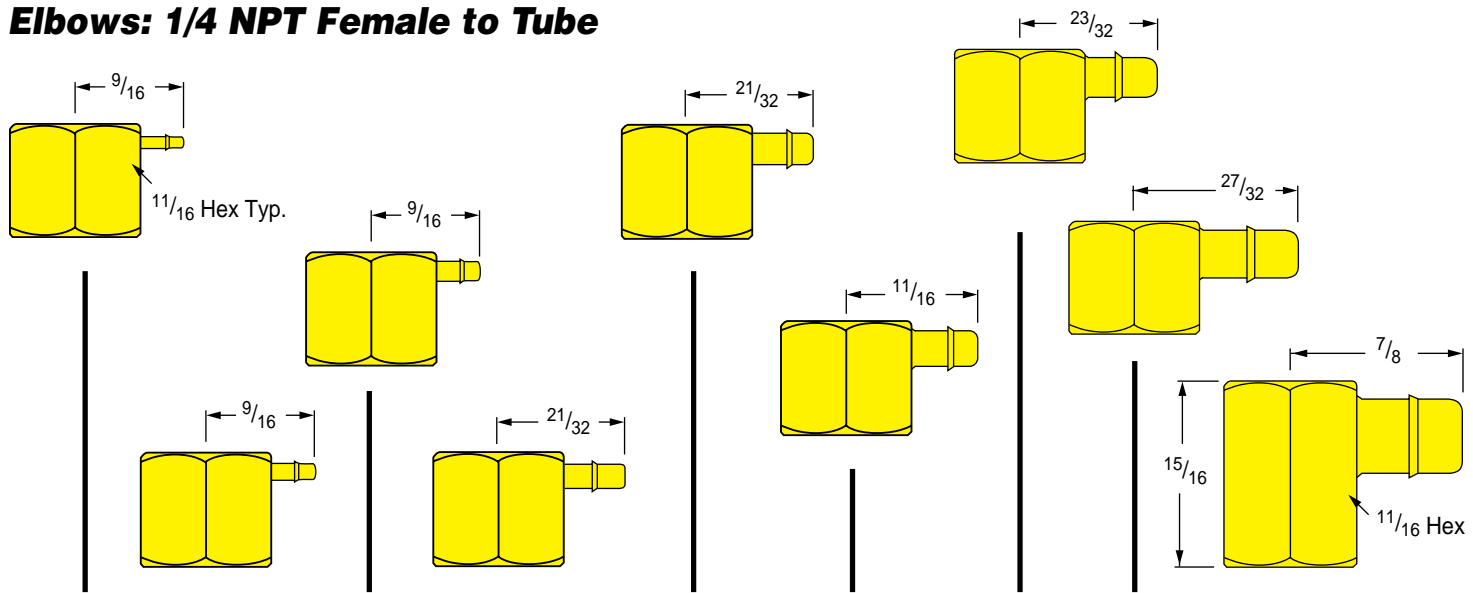


- |         |         |             |             |             |             |             |             |             |           |
|---------|---------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-----------|
| 1/4 FB1 | 1/4 FB2 | 1/4 FB2 x 2 | 1/4 FB2 x 3 | 1/4 FB2 x 4 | 1/4 FB2 x 5 | 1/4 FB2 x 6 | 1/4 FB2 x 7 | 1/4 FB2 x 8 | <b>62</b> |
|---------|---------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-----------|



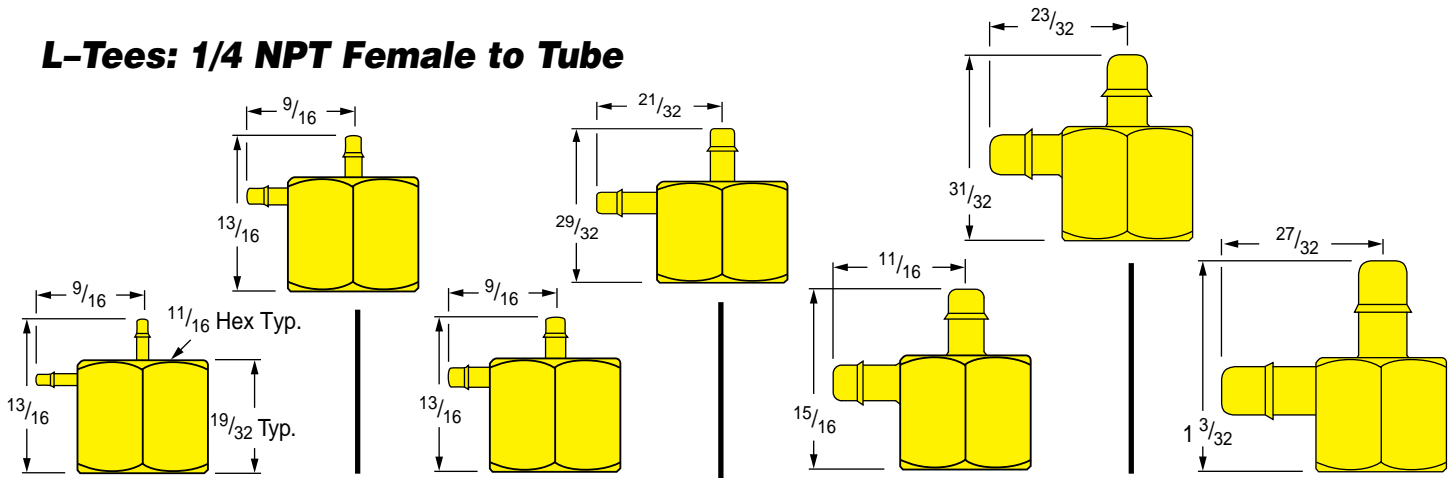
- |         |             |             |         |             |         |         |         |           |
|---------|-------------|-------------|---------|-------------|---------|---------|---------|-----------|
| 1/4 FB3 | 1/4 FB3 x 2 | 1/4 FB3 x 3 | 1/4 FB4 | 1/4 FB4 x 2 | 1/4 FB5 | 1/4 FB6 | 1/4 FB8 | <b>63</b> |
|---------|-------------|-------------|---------|-------------|---------|---------|---------|-----------|

**Elbows: 1/4 NPT Female to Tube**



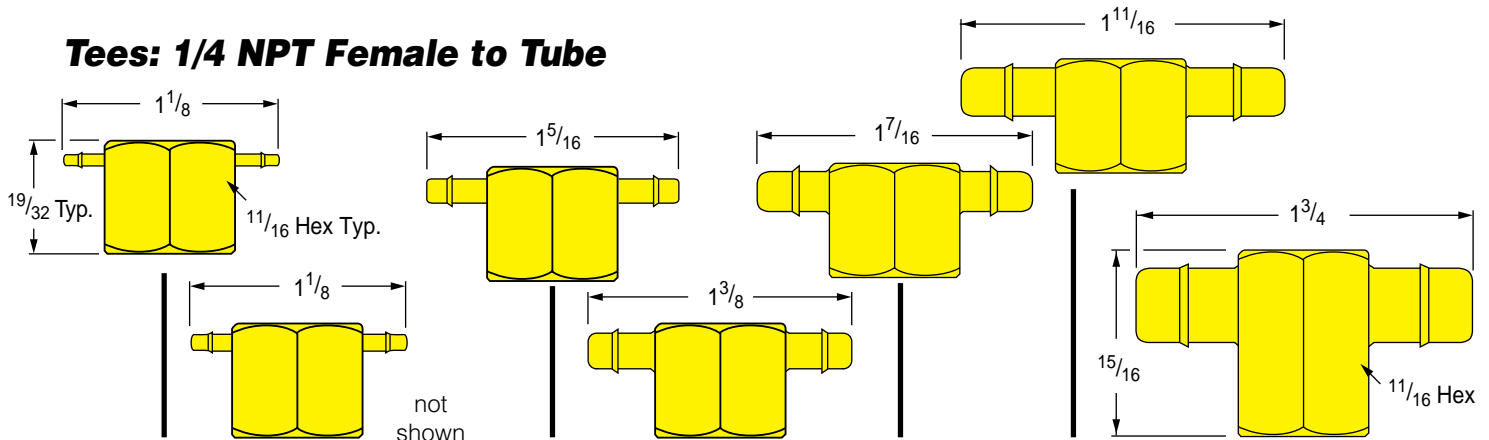
- |          |          |              |          |              |          |          |          |          |           |
|----------|----------|--------------|----------|--------------|----------|----------|----------|----------|-----------|
| 1/4 FLB1 | 1/4 FLB2 | 1/4 FLB2 1/2 | 1/4 FLB3 | 1/4 FLB3 1/2 | 1/4 FLB4 | 1/4 FLB5 | 1/4 FLB6 | 1/4 FLB8 | <b>64</b> |
|----------|----------|--------------|----------|--------------|----------|----------|----------|----------|-----------|

**L-Tees: 1/4 NPT Female to Tube**

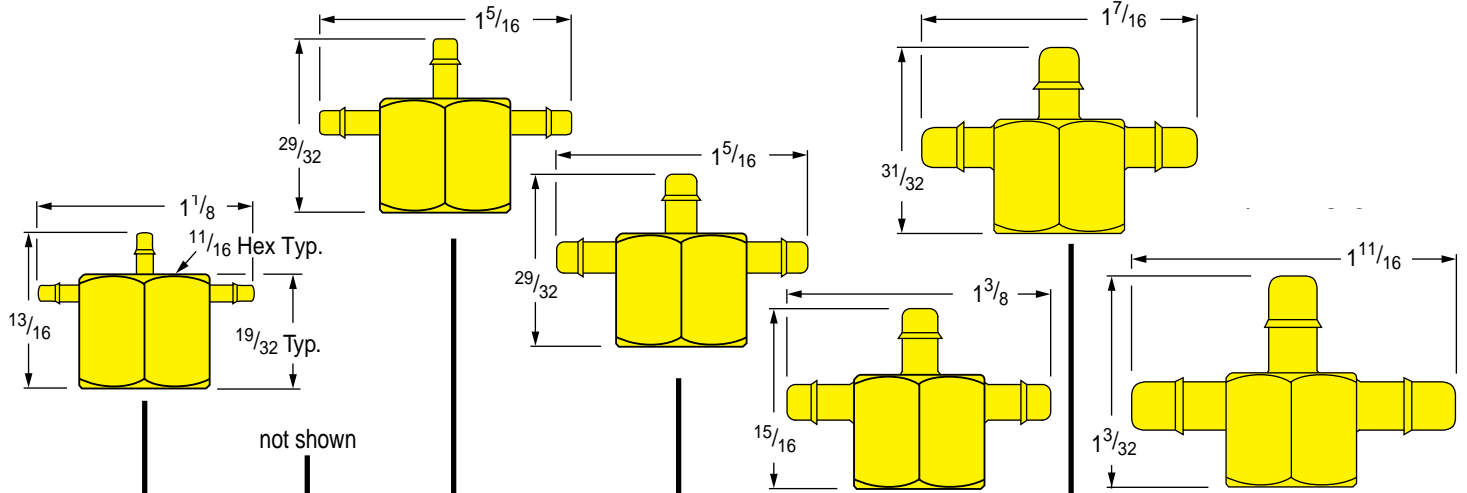


**65** 1/4 FLT1 1/4 FLT2 1/4 FLT2<sup>1/2</sup> 1/4 FLT3 1/4 FLT4 1/4 FLT5 1/4 FLT6

**Tees: 1/4 NPT Female to Tube**

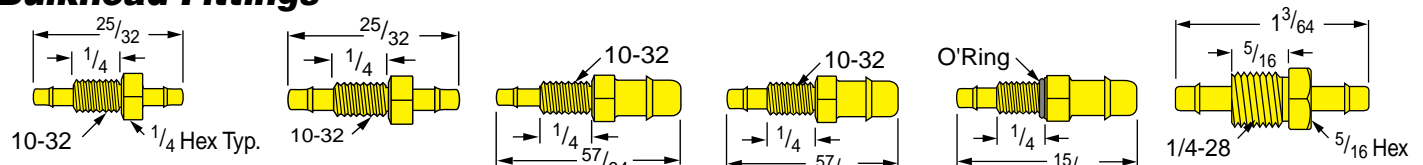


**66** 1/4 FT1 1/4 FT2 1/4 FT2<sup>1/2</sup> 1/4 FT3 1/4 FT4 1/4 FT5 1/4 FT6 1/4 FT8



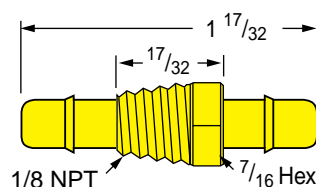
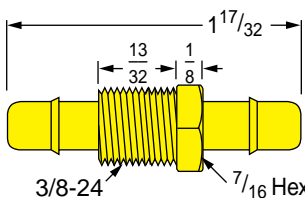
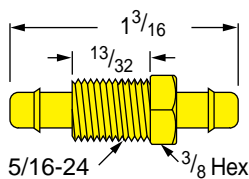
**67** 1/4 FT2 x 3 1/4 FT2<sup>1/2</sup> x 3 1/4 FT3 x 3 1/4 FT3<sup>1/2</sup> x 3 1/4 FT4 x 3 1/4 FT5 x 3 1/4 FT6 x 3

**Bulkhead Fittings**



**68** 10 BK-1 or 10BK-2 10 BK-2<sup>1/2</sup> 10 RBK4-2 10 RBK4-2<sup>1/2</sup> 10 RBK-O-4-2<sup>1/2</sup> 1/4 BK-3

**Bulkhead Fittings**



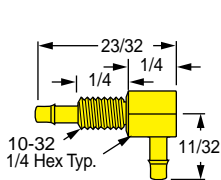
5/16 BK-4

3/8 BK-6

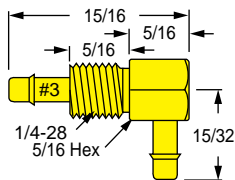
1/8 NPT BK6

**69**

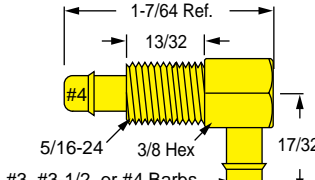
**L-Bulkhead Fittings** *Note: Also available in Tee and Vee combinations*



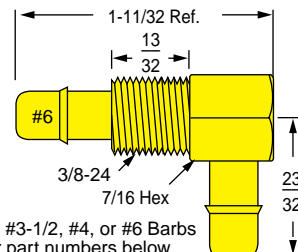
#1, #2, or #2-1/2 Barbs per part numbers below



#3, #3-1/2, or #4 Barbs per part numbers below



#3, #3-1/2, or #4 Barbs per part numbers below



#3, #3-1/2, #4, or #6 Barbs per part numbers below

10BK1-L1

10BK2-L2

10BK2<sup>1</sup>/<sub>2</sub>-L2<sup>1</sup>/<sub>2</sub>

1/4 BK3-L3

1/4 RBK3-L3<sup>1</sup>/<sub>2</sub>

1/4 RBK3-L4

5/16 BK4-L4

5/16 RBK4-L3<sup>1</sup>/<sub>2</sub>

5/16 RBK4-L3

3/8 BK6-L6

3/8 RBK6-L4

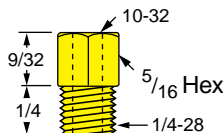
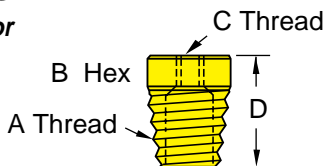
3/8 RBK6-L3<sup>1</sup>/<sub>2</sub>

3/8 RBK6-L3

**70**

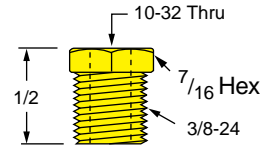
**Reducing Bushings**

*Note: See page 23, Line #95 for additional multi-hole 10-32 bushings – sizes 1/8 and 1/4 Elbows, L-Tees, and Tees*



RB 4-28-10

Reducer Bulkhead Bushing



\* RBB 3/8-10

\* Lock nut and washer included

**71**

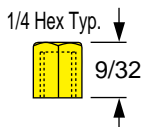
**Reducer Bushing Dimensions**

A Thread	1/4 NPT	1/4 NPT	1/4 NPT	1/4 NPT	1/4 NPT	1/4 NPT	1/8 NPT	1/8 NPT	1/16 NPT	1/4-28	3/8-24
B Hex	9/16	9/16	9/16	9/16	9/16	9/16	7/16	7/16	5/16	5/16	7/16
C Thread	10-32	10-32	1/16 NPT	1/8 NPT	1/16 NPT	1/8 NPT	10-32	1/16 NPT	10-32	10-32	10-32
D Height	3/4	1/2	1/2	1/2	3/4	3/4	9/16	9/16	17/32	17/32	1/2

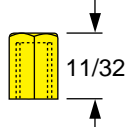
Part #	RB 1/4-10	RB 1/4-10 Short	RB 1/4-1/16 Short	RB 1/4-1/8 short	RB 1/4-1/16	RB 1/4-1/8	RB 1/8-10	RB 1/8-1/16	RB 1/16-10	RB 428-10	RBB3/8-10
--------	-----------	-----------------	-------------------	------------------	-------------	------------	-----------	-------------	------------	-----------	-----------

**72**

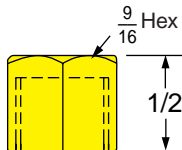
**Caps & Swivel Nipple**



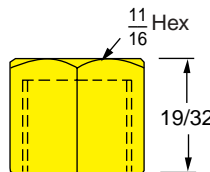
10-32 Cap (Short)



#10-32 Cap

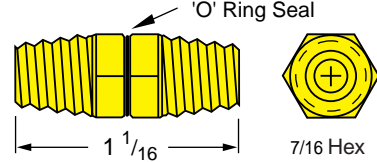


1/8 Cap



1/4 Cap

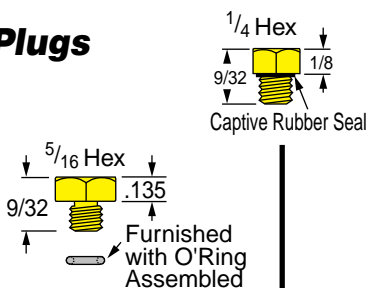
Swivel Nipple (NOT a Rotary Joint)



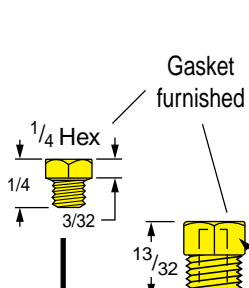
1/8 SN

**73**

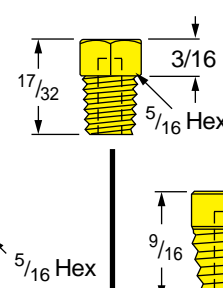
**Plugs**



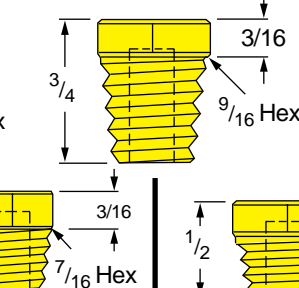
10-0 Plug



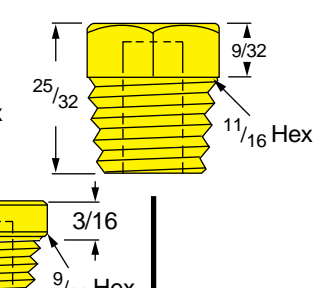
10-0-1/4 Plug



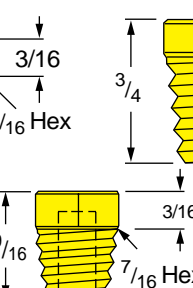
10-32 Plug



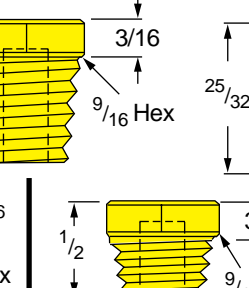
4-28 Plug



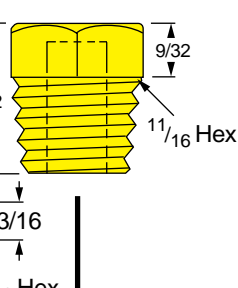
1/16 Plug



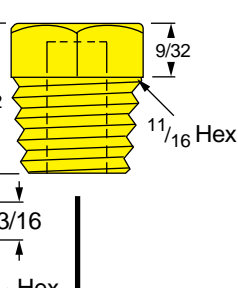
1/8 Plug



1/4 Plug



1/4 Plug (Short)



3/8 Plug

**74**

**1/8 Male Pipe Thread Manifold Fittings**

*Branches can be arranged in various attitudes in thousands of combinations to accommodate specific requirements.*

Mem-co's line of Unitized Manifold Fittings is directed primarily at the high volume user who must have a • low cost • compact • zero leak potential • neat appearing fitting that requires a minimum amount of labor to install and can be customized to his specific requirements.

For smaller volume users Mem-co does carry a limited number of manifold fittings as stock items shown below.

**Manifold Fitting Nomenclature**

- 1/8 M = 1/8 Male NPT one end & branch outlets as required
- 1/8MM = 1/8 Male NPT and mixed branches
- 1/8MV = 1/8 Male NPT and 2nd row at 60° either L or R
- 1/8MMV = 1/8 Male NPT w/mixed branches at 60° either L or R
- 1/8MT = 1/8 Male NPT with branches at 180°
- 1/8MMT = 1/8 Male NPT w/mixed branches at 180°
- 1/8MB = 1/8 Male NPT Manifold blank  
(wall thickness suitable for 10-32 thread)

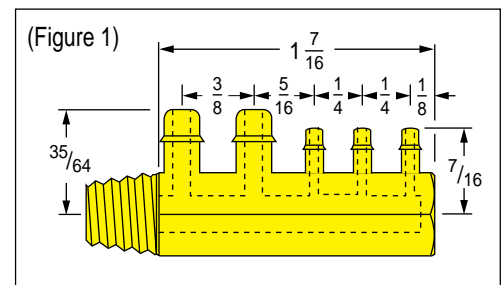
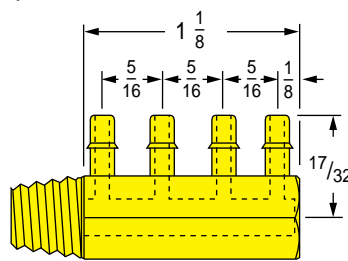
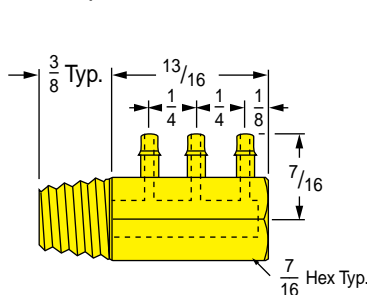
**Tell us what you need**

Branch sizes are called out in order starting at the threaded end. **1/8MM-44222** (Figure 1) signifies a mixed manifold 1/8 NPT fitting with two #4 branches and three #2 branches in-line.

**1/8MM-42422** signifies a similar manifold on which the 2nd and 3rd branches have exchanged positions.

In the case of "V" arrangements, the side having the largest branches is considered to be the vertical side (at 12 o'clock); the other side is either to the right or left of vertical as viewed from the threaded end of the fitting.

**1/8MMV-44-22L** (Figure 2) signifies a "V" type 1/8 NPT manifold fitting with two #4 branches and two #2 branches on each row with the second row to the right as viewed from the threaded end.

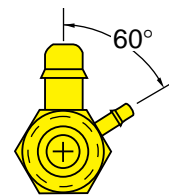
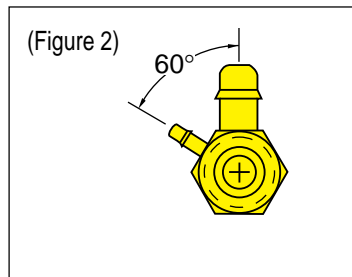
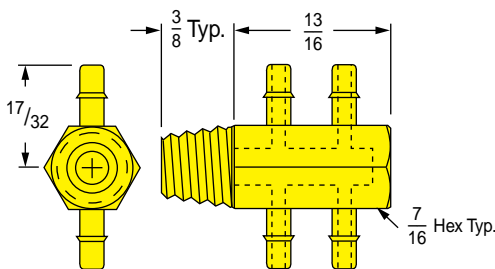


**75**

1/8 M-111 or 1/8 M-222

1/8 M-3333

1/8 MM-44222



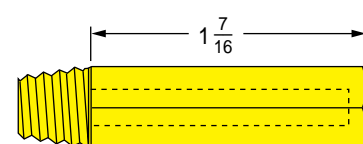
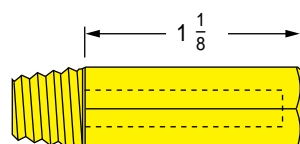
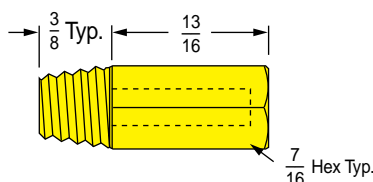
**76**

1/8 MT-33-33

1/8 MMV-44-22L

1/8 MMV-444-222R

**1/8 Male Pipe Thread Manifold Blanks - will accommodate 10-32 thread**



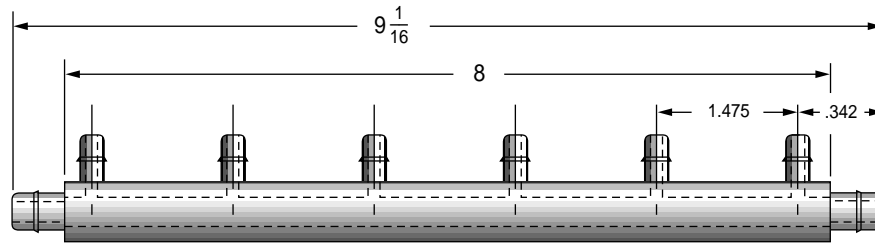
**77**

1/8 MB 13/16

1/8 MB 1-1/8

1/8 MB 1-7/16

**Tube to Tube Manifold – Stainless Steel** (Also available in brass)

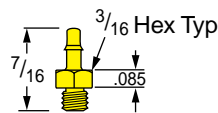


5/8 x 5/32 wall – 304 Stainless Steel Tubing (Scale 2:1)

Manifold 8-6x6-8 (also available in brass)

**78**

**M3 x 0.5 Series** Fibre Gasket Supplied



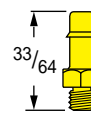
M3-B1



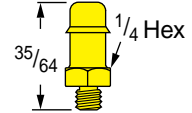
M3-B2



M3-B2 1/2

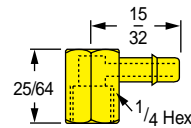


M3-B3

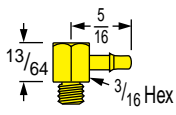


M3-B4

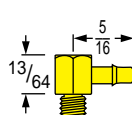
**79**



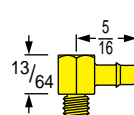
M3F-LB3



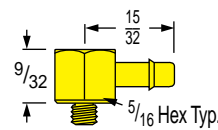
M3-LB1



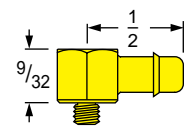
M3-LB2



M3-LB2 1/2

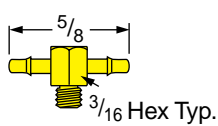


M3-LB3

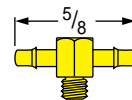


M3-LB4

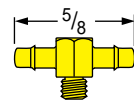
**80**



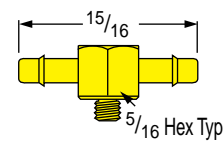
M3-T1



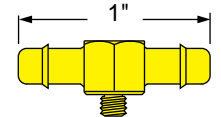
M3-T2



M3-T2 1/2



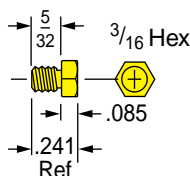
M3-T3



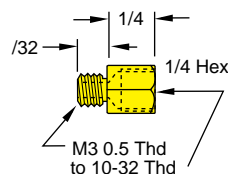
M3-T4

**81**

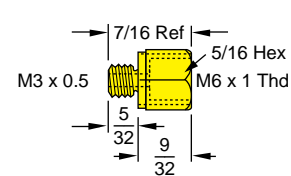
See complete selection of adapters on pages 23 & 24



M3 Plain Plug



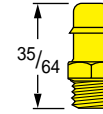
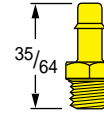
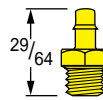
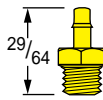
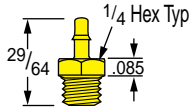
M3 x 0.5 to 10-32 (F) Adapter



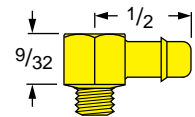
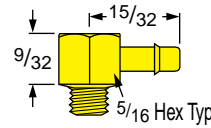
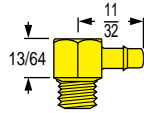
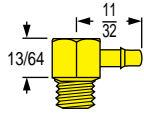
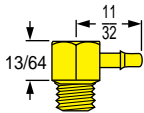
M3 x 0.5 to M6 x 1 (F) Adapter

**82**

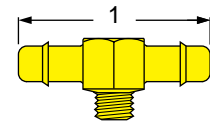
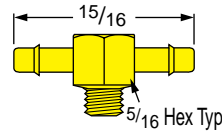
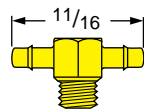
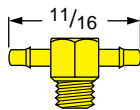
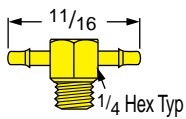
**M5 x 0.8 Series** Fibre Gasket Supplied



**83** M5-B1 M5-B2 M5-B2 1/2 M5-B3 M5-B4

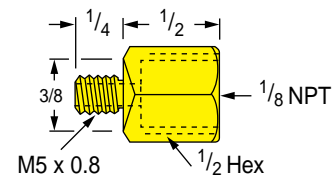
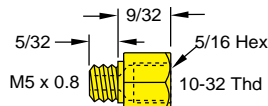
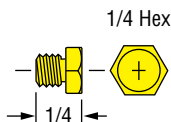


**84** M5-LB1 M5-LB2 M5-LB2 1/2 M5-LB3 M5-LB4



**85** M5-T1 M5-T2 M5-T2 1/2 M5-T3 M5-T4

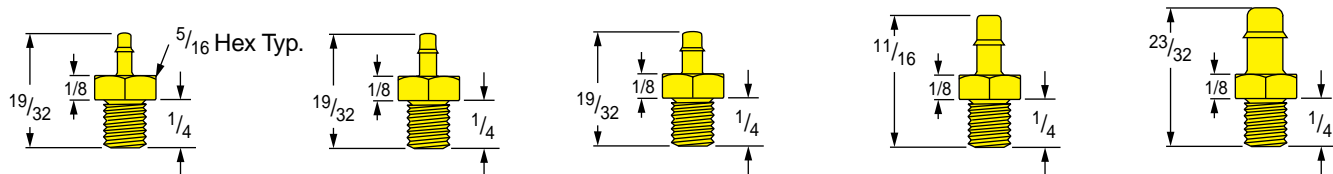
See complete selection of adapters on pages 23 & 24



**86** M5 Plain Plug M5 x 0.8 to 10-32 (F) Adapter M5 x 0.8 to 1/8 (F) Adapter



M6 x 1 Series



M6-B1

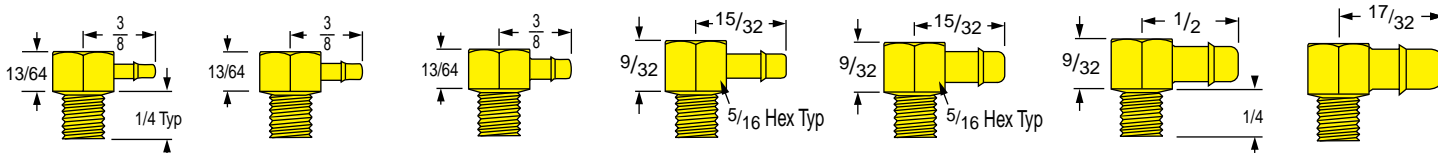
M6-B2

M6-B2 1/2

M6-B3

M6-B4

87



M6-LB1

M6-LB2

M6-LB2 1/2

M6-LB3

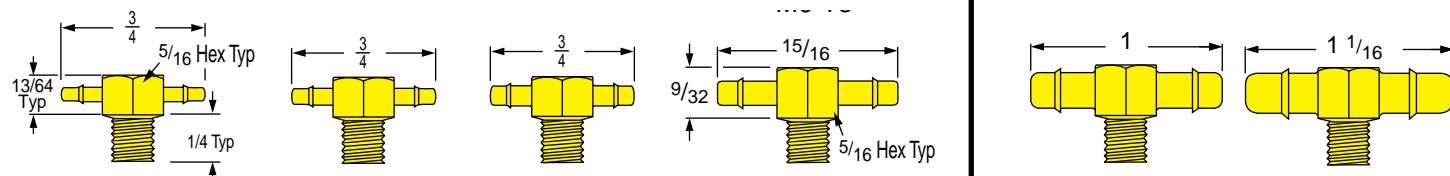
M6-LB3 1/2

M6-LB4

M6-LB5

88

not shown



M6-T1

M6-T2

M6-T2 1/2

M6-T3

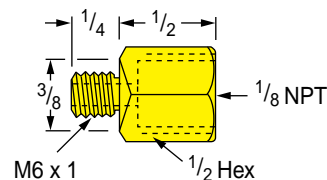
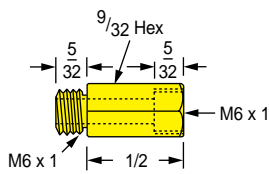
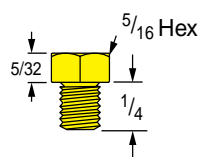
M6-T3 1/2

M6-T4

M6-T5

89

See complete selection of adapters on pages 23 & 24



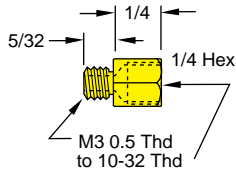
M6 Plain Plug

M6 x 1 Male to Female Extension

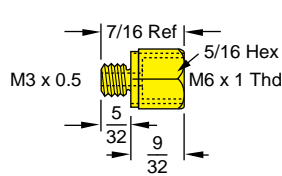
M6 x 1 to 1/8 (F) Adapter

90

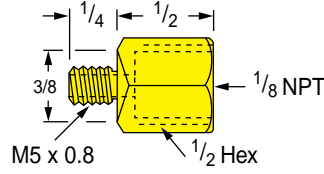
## Adapters



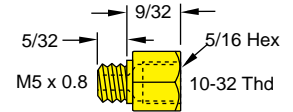
**91** M3 to 10-32 (F)



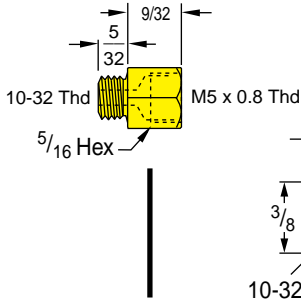
M3 to M6 (F)



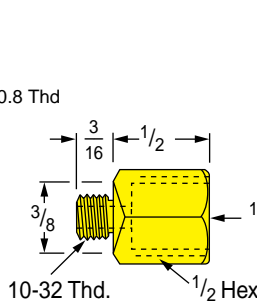
M5 to 1/8 (F)



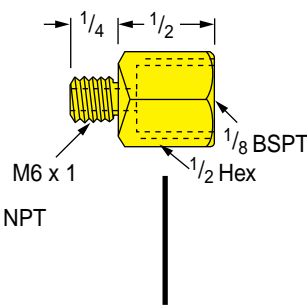
M5 to 10-32 (F)



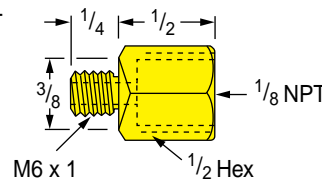
**92** 10-32 to M5 (F)



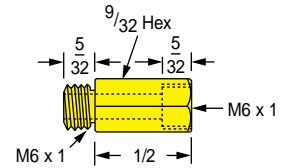
10-32 to 1/8 (F)



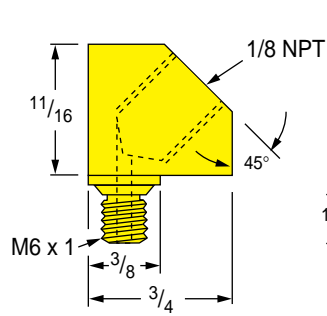
M6 to 1/8 BSPT (F)



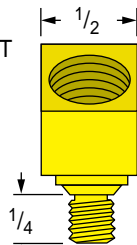
M6 to 1/8 (F)



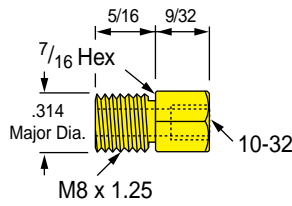
EX-M6 (M-F)



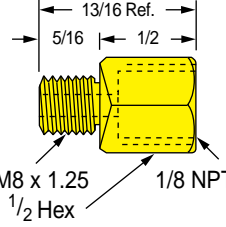
**93** M6 to 1/8 (F) 45°



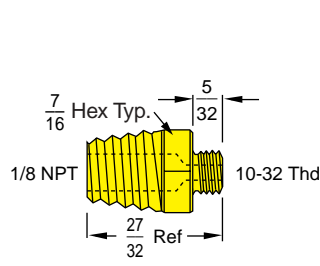
M8 to 10-32 (F)



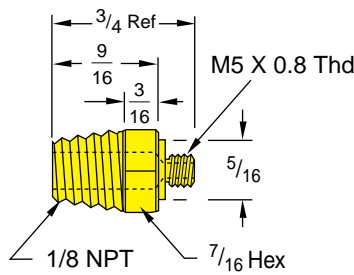
M8 to 1/8 (F)



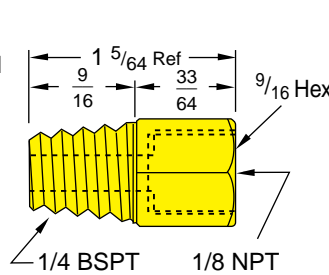
M8 to 1/8-28 BSPP (F)



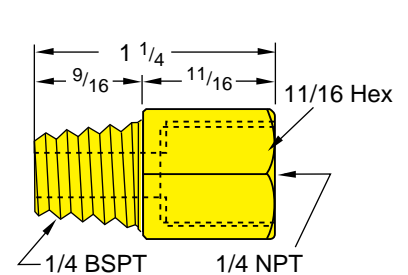
**94** AN 1/8 to 10-32



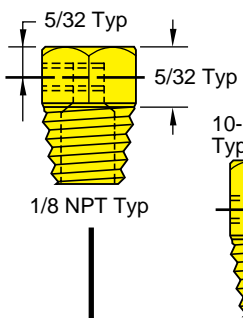
AN 1/8 to M5



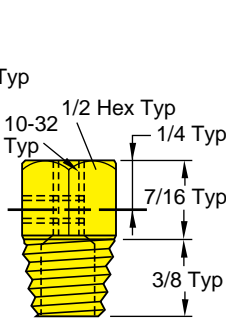
1/4 BSPT to 1/8 (F)



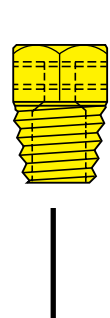
1/4 BSPT to 1/4 (F)



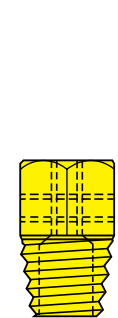
**95** 1/8L-10F



1/8LT-10F



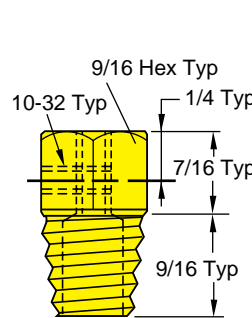
1/8T-10F



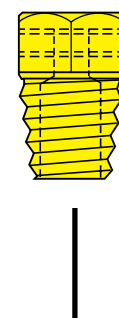
1/8T-10F x 3



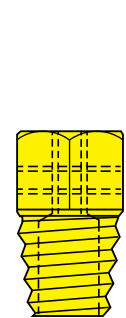
1/4L-10F



1/4LT-10F



1/4T-10F

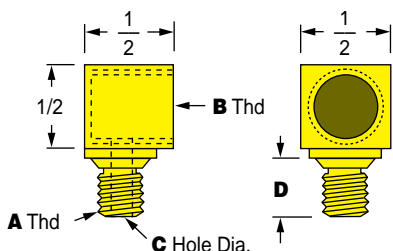


1/4T-10F x 3

## Stainless Steel Fittings Reference

A few of the following part numbers are not stocked and may have a set-up charge in small quantities. Page numbers and line numbers reference location of product drawings elsewhere in this catalog.

### 90° L Adapters - Male to Female



Part No.	A Thd	B Thd	C Dia	D	Line No.
M8 to 1/8FL	M8x1.25	1/8 NPT			96
M8 to M8FL	M8x1.25	M8x1.25			97
M8 to M6FL	M8x1.25	M6x1			98
M8 to M5FL	M8x1.25	M5x0.8	5/32	5/16	99
M8 to M3FL	M8x1.25	M3x0.5			100
M8 to 1/4-28FL	M8x1.25	1/4-28			101
M8 to 10-32FL	M8x1.25	10-32			102
M6 to 1/8FL	M6x1	1/8 NPT			103
M6 to M8FL	M6x1	M8x1.25			104
M6 to M6FL	M6x1	M6x1			105
M6 to M5FL	M6x1	M5x0.8	5/64	1/4	106
M6 to M3FL	M6x1	M3x0.5			107
M6 to 1/4-28FL	M6x1	1/4-28			108
M6 to 10-32FL	M6x1	10-32			109
M5 to 1/8FL	M5x0.8	1/8 NPT			110
M5 to M8FL	M5x0.8	M8x1.25			111
M5 to M6FL	M5x0.8	M6x1			112
M5 to M5FL	M5x0.8	M5x0.8	.089	1/4	113
M5 to M3FL	M5x0.8	M3x0.5			114
M5 to 1/4-28FL	M5x0.8	1/4-28			115
M5 to 10-32FL	M5x0.8	10-32			116
1/8 to 1/8FL	1/8 NPT	1/8 NPT			117
1/8 to M8FL	1/8 NPT	M8x1.25			118
1/8 to M6FL	1/8 NPT	M6x1			119
1/8 to M5FL	1/8 NPT	M5x0.8	1/4	1/2	120
1/8 to M3FL	1/8 NPT	M3x0.5			121
1/8 to 1/4-28FL	1/8 NPT	1/4-28			122
1/8 to 10-32FL	1/8 NPT	10-32			123

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

### Stainless Steel Tube to Tube Fittings

Part No.	Page & Line No.	Part No.	Page & Line No.	Part No.	Page & Line No.
C1 S/S	P1, L1	T3 S/S	P1, L4	X2 S/S	P3, L10
C2 S/S	P1, L1	T4 S/S	P1, L4	X3 S/S	P3, L10
C3 S/S	P1, L1	T5 S/S	P1, L4	X4 S/S	P3, L10
C4 S/S	P1, L1	T6 S/S	P1, L4	X4 S/S	P3, L10
C5 S/S	P1, L1	RT3-1-1 S/S	P2, L5	RX3-2-3-2 S/S	P4, L12
C6 S/S	P1, L1	RT3-3-1 S/S	P2, L5	RX3-1-1-1 S/S	P4, L12
RC3-1 S/S	P1, L2	RT3-1-3 S/S	P2, L5	M8-6x6-8 S/S	P20, L78
T1 S/S	P1, L4	RT1-3-1 S/S	P2, L5	Y8 S/S	P4, L14
T2 S/S	P1, L4	X1 S/S	P3, L10	3/8BK-6 S/S	P18, L69

### Stainless Steel Threaded Parts

Part No.	Page & Line No.	Part No.	Page & Line No.
B1 S/S	P5, L17	1/4B3 S/S	P11, L44
6-32 B1 S/S	P5, L17	1/4B4 S/S	P11, L44
B2 S/S	P5, L17	1/4B6 S/S	P11, L44
B 2 1/2 S/S	P5, L17	1/4B8 S/S	P11, L44
B3 S/S	P5, L17	1/4LB1 S/S	P11, L46
B3-0 S/S	P5, L15	1/4LB2 S/S	P11, L46
B3-OR.094 S/S	P5, L17	1/4LB3 S/S	P11, L46
B3 1/2 OB109 S/S	Not Shown	1/4LB4 S/S	P11, L46
B4 S/S	P5, L17	1/4LB6 S/S	P11, L46
1/8B1 S/S	P9, L36	1/4T2 S/S	P12, L48
1/8B1 x 2 S/S	P9, L37	1/4T3 S/S	P12, L48
1/8B1 x 3 S/S	P9, L37	1/4T2 x 3 S/S	P12, L49
1/4B1 x 4 S/S	P9, L37	1/4 Plug Short S/S	P18, L74
1/8B2 S/S	P9, L36	1/4 Plug S/S	P18, L74
1/8B2 x 2 S/S	P9, L37	3/8 Plug S/S	P18, L74
1/8B2 x 4 S/S	P9, L37	1/2B8 S/S	Not Shown
1/8B3 S/S	P9, L36	1/8 Cap S/S	P18, L73
1/8B3 x 2 S/S	P9, L37	10LB1 S/S	P5, L18
1/8B3 x 3 S/S	P9, L37	10LB2 S/S	P5, L18
1/8B4 S/S	P9, L36	10LB2 Epoxy S/S	P5, L18
1/8B6 S/S	P9, L36	10LB3 S/S	P5, L18
1/8B8 S/S	P9, L36	10LB4 S/S	P5, L18
1/8LB1 S/S	P9, L38	10T1 S/S	P5, L19
1/8LB2 S/S	P9, L38	10T2 S/S	P5, L19
1/8LB3 S/S	P9, L38	10T2 Epoxy S/S	P5, L19
1/8LB4 S/S	P9, L38	10T3 S/S	P5, L19
1/8LB6 S/S	P9, L38	10-32 Plug S/S	P18, L74
1/8T1 S/S	P10, L40	1/16B3 S/S	P8, L32
1/8T2 S/S	P10, L40	1/16B4 S/S	P8, L32
1/8T2 x 3 S/S	P10, L41	1/16LB1 S/S	P8, L33
1/8VT2 1/2-120° S/S	P10, L42	1/16LB2 S/S	P8, L33
1/8T3 S/S	P10, L40	1/16LB3 S/S	P8, L33
1/8T3 x 3 S/S	P10, L41	1/16LB4 S/S	P8, L33
1/8T4 S/S	P10, L40	1/16T2 S/S	P8, L35
1/8T6 S/S	P10, L40	1/16T3 S/S	P8, L35
1/8LT2 S/S	P9, L39	1/16 Plug S/S	P18, L74
1/8LT3 S/S	P9, L39	1/16 Slotted Plug S/S	Not Shown
1/8 Plug S/S	P18, L74	RB1/4-10 S/S	P18, L72
1/4B1 S/S	P11, L44	RB1/4-1/16 S/S	P18, L72
1/4B2 S/S	P11, L44	RB1/4-1/8 S/S	P18, L72
1/4B2 x 2 S/S	P11, L45	RB1/16-10 S/S	P18, L72
		RB1/8-10 S/S	P18, L72

# MEM-CO

**Since 1963.** . . Mem-co has been the premier designer and manufacturer of high quality, miniature, barbed air fittings for science and industry. Mem-co Fittings feature flawless silver solder joints and are all 100% inspected.

Never satisfied with the "status quo," Mem-co has always been willing to develop "specials" for customers needing challenging design solutions. Consequently, Mem-co fittings have proliferated into one of the most extensive barb fitting lines yet available.

**Over 600 Configurations.** . . of standard and "hard-to-find" fittings are on our shelf ready for immediate delivery • Manifolds • T's • Crosses • V's • Reducers • Couplings • Bulkheads • Special designs with multiple and/or mixed porting. Mem-co also stocks metric M3, M5 and M6 fittings.

**If you're looking to reduce costs.** . . save space, or cut assembly time, chances are that Mem-co has the fittings to help you do it.

**We'll Make What You Want.** . . If you don't see the exact fitting your application demands, tell us what you need. . . or FAX a sketch. We'll respond promptly. OEM custom samples are shipped within 48 hours!

**We're at Your Service.** . . with technical assistance, fast delivery and competitive prices. Custom OEM designs are gladly accommodated with prompt price quotations.

**MEM-CO., Inc.** • 9 Industrial Way • Atkinson, NH 03811  
Phone (603) 894-5333 • Fax (603) 894-6589  
www.mem-co.com • Email: info@mem-co.com

