



# ***Push to Connect Transportation***



## **Prestomatic**

- Meets D.O.T. FMVSS 571.106
- Meets SAE J2494
- Stainless Steel Tube support



## **PTC**

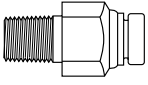



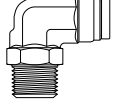
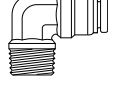
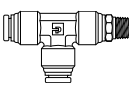
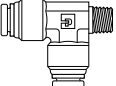
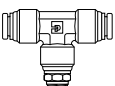
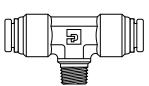
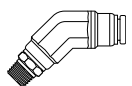
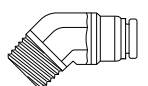
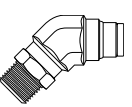
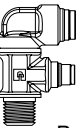
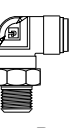
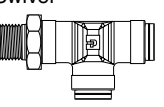
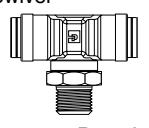
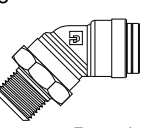
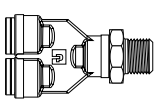
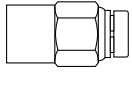
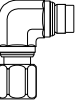
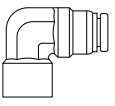

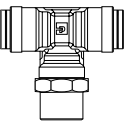
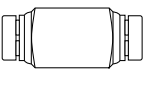
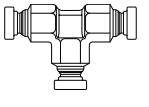
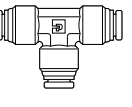
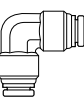
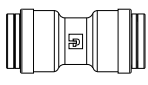
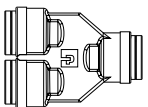
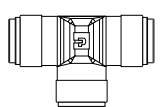
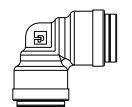
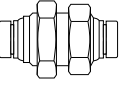
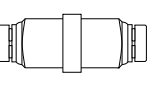
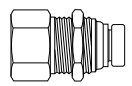
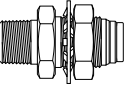
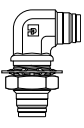


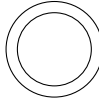
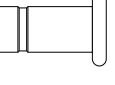
- Meets D.O.T. FMVSS 571.106
- Meets SAE J2494 – 3
- Composite Light Weight Bodies
- Brass componentry

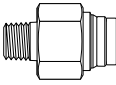


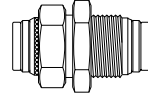
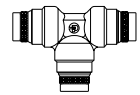
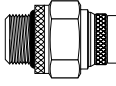
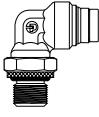
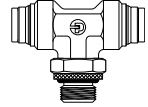

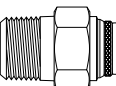
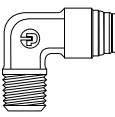
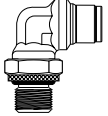
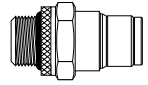


## **Metric Prestomatic**

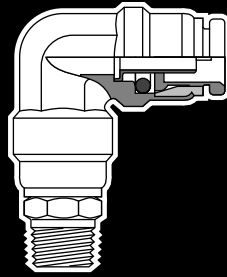
- Sizes 6mm and above Meets DIN 74324. Product only meets FMVSS 571.106 when used with SAE J844 metric tubing. If product is used with DIN tubing, it will not meet the FMVSS 571.106 performance requirements.
- Meets DOT FMVSS 571.106 when used with SAE J844 tubing
- Use with DIN 73378 virgin nylon or SAE J844 Tubing
- Universal Stud Design and Brass Body

***The World Standard***

<b>Tube to Male NPT</b>	<b>68PMT</b> Male Connector  Page I8	<b>169PMNS</b> Male Elbow  Page I9	<b>169PMT</b> Male Elbow Swivel  Page I9	<b>169PMTL</b> Male Elbow Long  Page I10	<b>169PMTR</b> Male Elbow Swivel 90°  Page I9	<b>169PMTNS</b> Male Elbow  Page I10	
	<b>171PMT</b> Run Tee Swivel  Page I11	<b>171PMTNS</b> Male Run Tee  Page I11	<b>172PMT</b> Branch Tee Swivel  Page I12	<b>172PMTNS</b> Branch Tee  Page I12	<b>179PMT</b> 45° Elbow Swivel  Page I12	<b>179PMTNS</b> 45° Elbow  Page I13	<b>179PMTR</b> Male Elbow Swivel 45°  Page I12
	<b>189PMTR</b> Dual Port Elbow  Page I13	<b>369PTC</b> Male Elbow Swivel 90°  Page I15	<b>371PTC</b> Male Run Tee Swivel  Page I16	<b>372PTC</b> Male Branch Tee Swivel  Page I17	<b>379 PTC</b> Male Elbow Swivel 45°  Page I17	<b>368PTC</b> Union Y  Page I16	
<b>Tube to Female NPT</b>	<b>66PMT</b> Female Connector  Page I7	<b>170PMT</b> Female Elbow Swivel  Page I11	<b>170PMTNS</b> Female Elbow Swivel  Page I11	<b>370PTC</b> Female Elbow Swivel 90°  Page I15	<b>377PTC</b> Branch Tee  Page I17		
	<b>Tube to Tube</b>		<b>62PMT</b> Union  Page I7	<b>164PM</b> Union Tee  Page I8	<b>164PMT</b> Union Tee  Page I8	<b>165PMT</b> Union Elbow  Page I9	<b>32PTC</b> Union  Page I15
<b>362PTC</b> Union Y  Page I15		<b>364PTC</b> Union Tee  Page I16	<b>365PTC</b> Union Elbow  Page I16				
<b>Bulkhead Unions</b>	<b>62PMTBH</b> Bulkhead Union  Page I7	<b>62PMTBHR</b> Bulkhead Union  Page I6	<b>66PMTBH</b> Bulkhead Female  Page I7	<b>68PMTBH</b> Bulkhead Male  Page I8	<b>165PMTBH</b> Bulkhead Elbow  Page I9	<b>169PMTBH</b> Bulkhead Male Elbow  Page I10	
	<b>Auxiliary</b>	<b>ERHD</b> External Retainer  Page I6	<b>ES</b> External Seal  Page I6	<b>639PM/639PMT</b> Plug  Page I13			

<p><b>Metric Tube to Male NPT</b></p>	<p><b>F2PMTB</b> Male Connector</p>  <p>Page I19</p>	<p><b>C2PMTB</b> Male Elbow</p>  <p>Page I20</p>	<p><b>Metric Tube to Metric Tube</b></p>	<p><b>HPMTB</b> Metric Union</p>  <p>Page I19</p>	<p><b>WPMTB</b> Bulkhead Union</p>  <p>Page I19</p>	<p><b>JPMTB</b> Metric Union Tee</p>  <p>Page I20</p>	
	<p><b>F8UPMTB</b> Male Connector</p>  <p>Page I20</p>	<p><b>C8UPMTB</b> Male Elbow</p>  <p>Page I21</p>		<p><b>S8UPMTB</b> Branch Tee</p>  <p>Page I21</p>	<p><b>V8UPMTB</b> 45° Male Elbow</p>  <p>Page I21</p>		
	<p><b>F3PMTB</b> Male Connector</p>  <p>Page I19</p>	<p><b>C3PMTB</b> Male Elbow</p>  <p>Page I20</p>					
	<p><b>169PMTNS-X-M</b> Male Elbow</p>  <p>Page I10</p>	<p><b>68PMT-X-M</b> Male Connector</p>  <p>Page I8</p>					
<p><b>Metric Tube to Metric Straight Thread</b></p>							
<p><b>Metric Tube to Male BSPT</b></p>							
<p><b>Tube to Metric Thread</b></p>							





## Prestomatic Air Brake Push-In Fittings

### Advantages

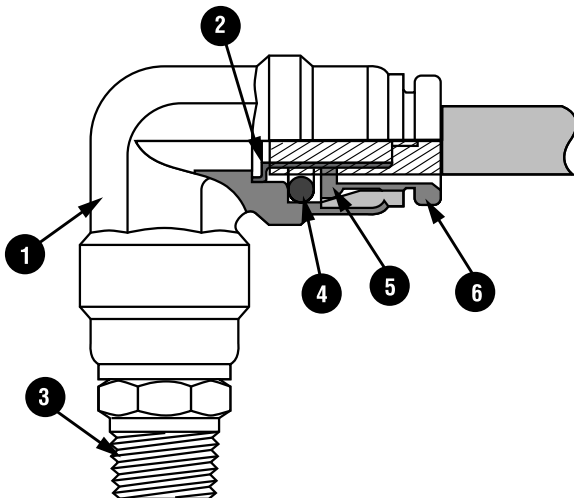
Patented design of sizes 5/32" and above meet SAE J2494 and D.O.T. FMVSS 571.106 air brake performance specifications. No special tools are needed to assemble. Just bottom the tubing in the fitting body for a positive seal. Stainless steel tube support in sizes 1/4" and above assures maximum flow and performance requirements of SAE J2494-3. Any Prestomatic fitting without a tube support (PM designation) is designed for use in pressure protected air accessory lines that are isolated from the air brake system

### Application

Use with Parker Parflex SAE J844 type A & B nylon tubing. Designed for all D.O.T. truck and trailer applications. Consult the factory with any questions regarding special product applications. Prior to use, all applications should be carefully tested through the range of conditions which may be encountered.

### Features

1. All brass body.
2. Stainless steel tube support assures maximum flow and performance characteristics.
3. Elbows and tees are available in positionable or rigid dryseal pipe threads. Positioning feature is designed for installation and alignment purposes only and should not be used as a swivel.
4. Lubricated O-Ring Seal (Buna N) insures a quick, easy and positive seal.
5. Innovative Collet design insures positive grip on tubing.



6. Release Button offers quick and easy disconnections.

### Technical Data

- Working pressure from vacuum to 250 psi.
- Working temperature from -40° F to +200° F (Note: see tubing manufacturer's recommendations for pressure and temperature limitations).
- Buna N (Nitrile) O-Rings.

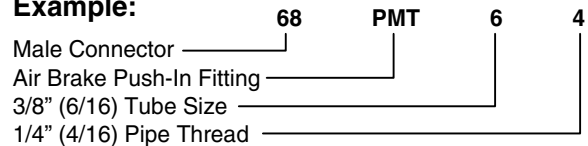
### Order

By part number and name.

### Nomenclature

Part numbers are constructed from symbols that identify the style and size of the fitting. The first series of numbers and letters identify the style and type of fitting. The Prestomatic series has a tube support and is designated with a "PMT" suffix.

#### Example:



### Special Fittings

Fitting configurations and/or sizes other than those shown in the catalog can be furnished. It is suggested that a print or sketch be submitted with the inquiry. Price and delivery for non-stock items furnished on request for specified quantities.

### Pricing

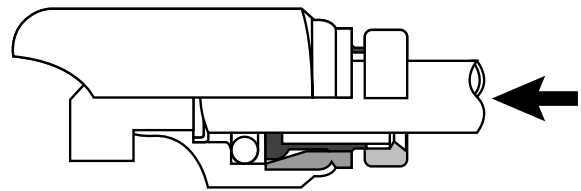
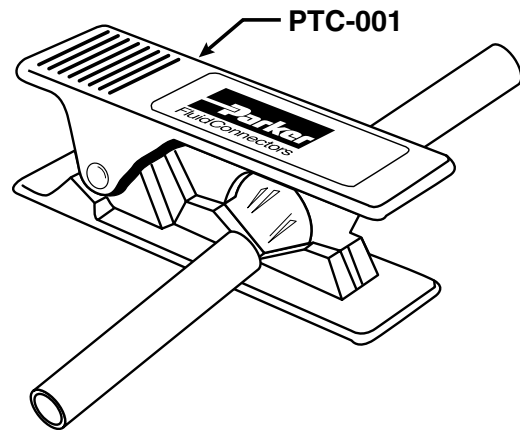
Only items priced in current supplementary price list PL3501 are carried in stock. Price and delivery for non-stock items furnished on request for specified quantity.

† U.S. Patent No. 5,683,120

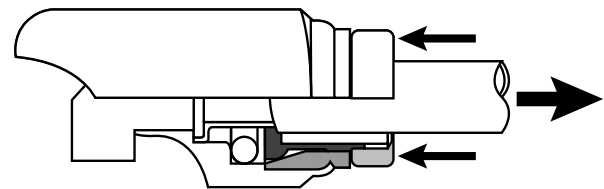
**Assembly Instructions**

1. Cut tubing squarely—maximum of 15° angle allowable.
  - Use of Parker tube cutter PTC-001 is recommended.
2. Check that port or mating part is clean and free of debris.
3. Insert tubing into fitting until it bottoms.
  - Push twice to verify that tubing is inserted past collet and O-Ring.
4. Pull on tubing to verify it is fully inserted.
5. To disassemble, simply press release button, hold against body, and pull tubing out of fitting.

Note: in order to pass hot pull requirements of SAE FMVSS 571.106 and SAE J2494-3 a tube support must be present in the end of the fitting before final fitting assembly.



Insert tubing until it bottoms



Depress button to remove tubing

<sup>†</sup> U.S. Patent No. 5,683,120

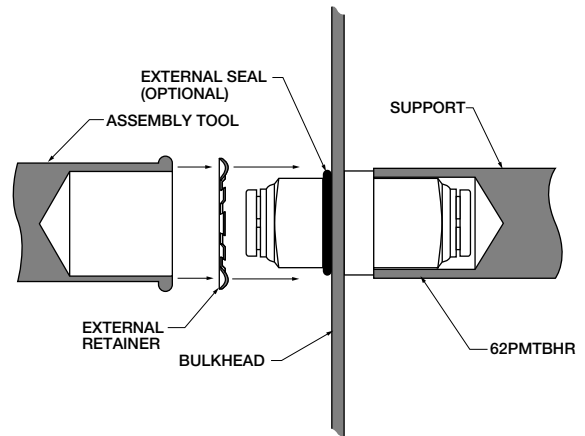
**Prestomatic<sup>†</sup> Retaining Ring Bulkhead Unions**

Prestomatic<sup>†</sup> retaining ring bulkhead unions feature a unique design that provides the user with an economical method to install and assemble a union connection through a bulkhead.

The retaining ring bulkhead unions feature a smaller envelope size than standard bulkhead union connectors and do not require a wrench to mount or assemble in cramped areas.

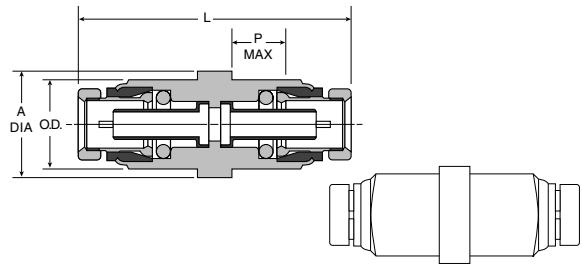
The external seal feature provides a moisture barrier and can also prevent external contamination from entering into an enclosed area.

To install, simply support the bulkhead union from behind and apply the external seal. Then push the external retainer against the external seal with an assembly tool and you have a reliable bulkhead connection in a confined area.



**Retaining Ring Bulkhead 62PMTBHR**

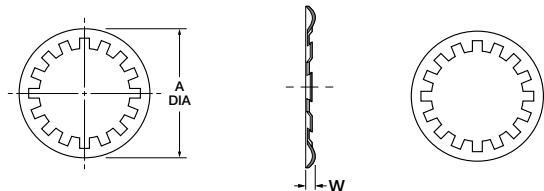
PART NO.	TUBE SIZE	O.D.	REC. HOLE SIZE	L	P MAX	A DIA
62PMTBHR-4	1/4	.500	.512	1.53	.26	.625
62PMTBHR-6	3/8	.750	.762	1.92	.36	.875
62PMTBHR-8	1/2	.875	.887	2.15	.43	1.000
62PMTBHR-10	5/8	1.000	1.012	2.54	.62	1.250



**External Retainer ERHD\***

PART NUMBER	TUBE SIZE	BULKHEAD UNION O.D.	A DIA	W
ERHD-50	1/4	.500	.83	.05
ERHD-75	3/8	.750	1.08	.05
ERHD-87	1/2	.875	1.20	.05
ERHD-100	5/8	1.000	1.33	.05

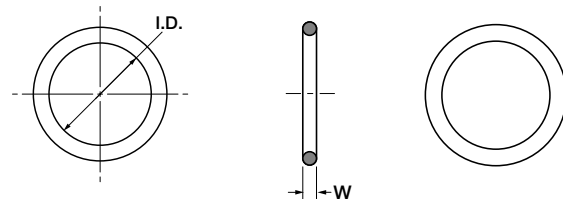
\*Material Carbon Spring Steel



**External Seal ES\***

PART NUMBER	TUBE SIZE	BULKHEAD UNION O.D.	I.D.	W
ES-50	1/4	.500	.489	.07
ES-75	3/8	.750	.739	.07
ES-87	1/2	.875	.864	.07

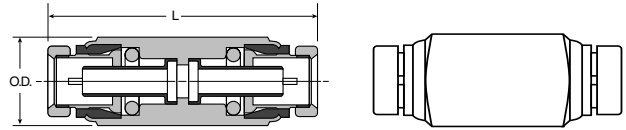
\*Material is Nitrite (Buna N), 70 Durometer



† U.S. Patent No. 5,683,120

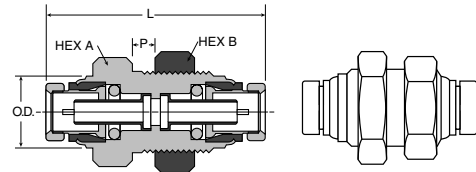
**Union 62PMT**

PART NO.	TUBE SIZE	L	O.D.
62PMT-5/32	5/32	1.45	.38
62PMT-4	1/4	1.48	.50
62PMT-4-2	1/4-1/8	1.48	.50
62PMT-6	3/8	1.87	.75
62PMT-6-4	3/8-1/4	1.68	.75
62PMT-8	1/2	2.03	.88
62PMT-10	5/8	2.42	1.00



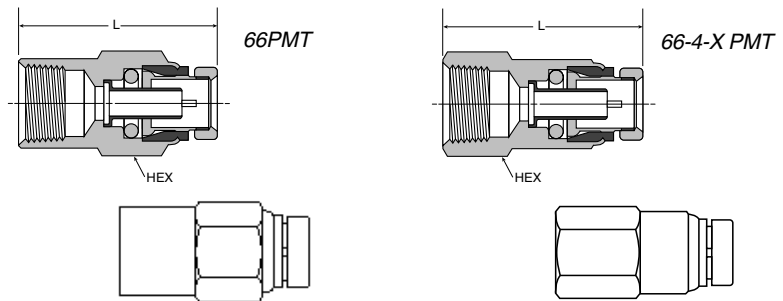
**Bulkhead Union 62PMTBH**

PART NO.	TUBE SIZE	O.D.	L	P MAX	HEX A	HEX B	BULKHEAD HOLE DIA.
62PMTBH-4	1/4	.56	1.69	.25	11/16	3/4	9/16
62PMTBH-6	3/8	.88	1.93	.44	1-1/16	1-1/16	7/8
62PMTBH-8	1/2	1.00	2.02	.58	1-1/4	1-1/4	1
62PMTBH-10	5/8	1.12	2.92	.81	1-1/4	1-3/8	1-1/8



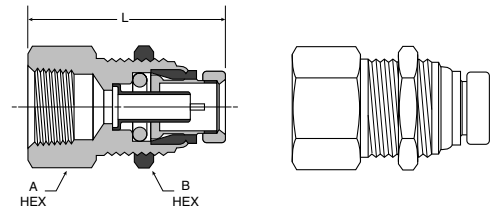
**Female Connector 66PMT**

PART NO.	TUBE SIZE	PIPE THREAD	L	HEX
66PMT-4-2	1/4	1/8	1.22	9/16
66PMT-4-4	1/4	1/4	1.43	11/16
66PMT-6-2	3/8	1/8	1.37	3/4
66PMT-6-4	3/8	1/4	1.58	3/4
66PMT-6-6	3/8	3/8	1.62	13/16
66PMT-8-4	1/2	1/4	1.69	7/8
66PMT-8-6	1/2	3/8	1.68	7/8
66PMT-8-8	1/2	1/2	1.91	1



**Bulkhead Female Connector 66PMTBH**

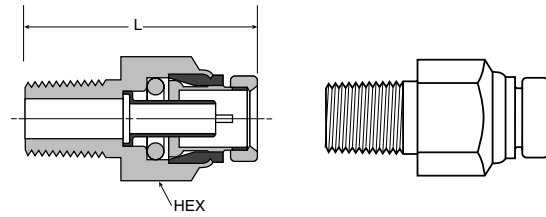
PART NO.	TUBE SIZE	PIPE THREAD	L	HEX A	HEX B	BULKHEAD HOLE DIA.
66PMTBH-4-4	1/4	1/4	1.62	11/16	3/4	9/16
66PMTBH-6-6	3/8	3/8	1.87	1.06	1.06	7/8
66PMTBH-8-8	1/2	1/2	2.02	1-1/4	1-1/4	1



† U.S. Patent No. 5,683,120

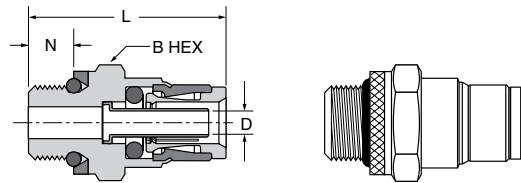
**Male Connector 68PMT**

PART NO.	TUBE SIZE	PIPE THREAD	L	HEX
68PMT-5/32-1	5/32	1/16	.85	3/8
68PMT-5/32-2	5/32	1/8	.89	7/16
68PMT-4-2	1/4	1/8	1.06	1/2
68PMT-4-4	1/4	1/4	1.19	9/16
68PMT-4-6	1/4	3/8	1.27	3/4
68PMT-6-2	3/8	1/8	1.37	3/4
68PMT-6-4	3/8	1/4	1.43	3/4
68PMT-6-6	3/8	3/8	1.33	3/4
68PMT-6-8	3/8	1/2	1.38	7/8
68PMT-8-4	1/2	1/4	1.72	7/8
68PMT-8-6	1/2	3/8	1.52	7/8
68PMT-8-8	1/2	1/2	1.44	7/8
68PMT-10-6	5/8	3/8	1.88	1
68PMT-10-8	5/8	1/2	1.88	1
68PMT-12-8	3/4	1/2	2.03	1 3/16
68PMT-12-12	3/4	3/4	2.03	1 1/8



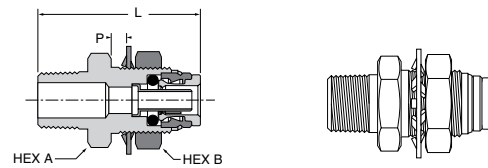
**Male Connector to Metric Adapter 68PMT-X-M**

PART NO.	TUBE SIZE	METRIC THREAD	L	B HEX	N
68PMT-4-M12	1/4	M12X1.5	1.19	11/16	.29
68PMT-4-M16	1/4	M16X1.5	1.29	7/8	.39
68PMT-6-M12	3/8	M12X1.5	1.40	3/4	.29
68PMT-6-M16	3/8	M16X1.5	1.35	7/8	.39
68PMT-6-M22	3/8	M22X1.5	1.23	1 1/16	.40
68PMT-8-M12	1/2	M12X1.5	1.45	7/8	.29
68PMT-8-M16	1/2	M16X1.5	1.52	7/8	.39
68PMT-8-M22	1/2	M22X1.5	1.31	1 1/16	.37
68PMT-10-M16	5/8	M16X1.5	1.78	1	.39



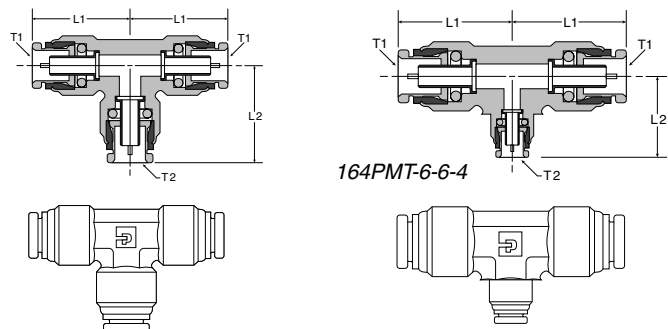
**Bulkhead Male Connector 68PMTBH**

PART NO.	TUBE SIZE	PIPE THREAD	L	P MAX	HEX A	HEX B	BULKHEAD HOLE DIA.
68PMTBH-6-8	3/8	1/2	2.37	.33	1-1/4	1-1/4	1
68PMTBH-8-8	1/2	1/2	2.38	.33	1-1/4	1-1/4	1



**Union Tee 164PMT**

PART NO.	TUBE 1 SIZE	TUBE 2 SIZE	L1	L2
164PMT-4	1/4	1/4	.85	.85
164PMT-6	3/8	3/8	1.21	1.21
164PMT-6-6-4	3/8	1/4	1.21	.93
164PMT-8	1/2	1/2	1.27	1.27
164PMT-10	5/8	5/8	1.63	1.62

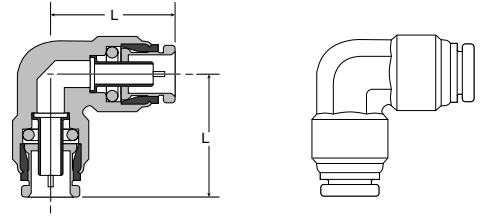


<sup>†</sup> U.S. Patent No. 5,683,120



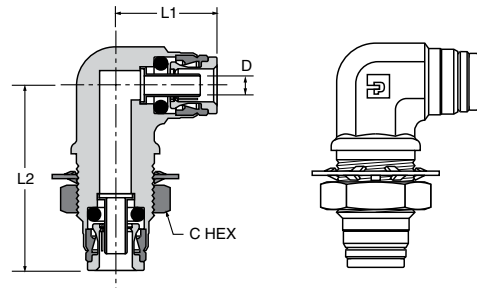
**Union Elbow 165PMT**

PART NO.	TUBE SIZE	L
165PMT-4	1/4	.85
165PMT-6	3/8	1.11
165PMT-8	1/2	1.24
165PMT-10	5/8	1.57



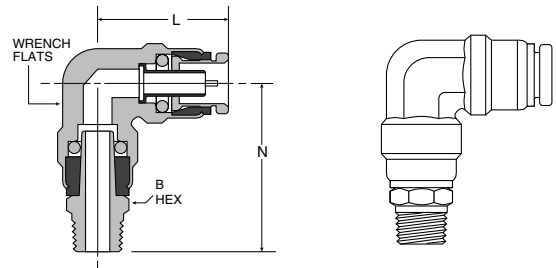
**Union Bulkhead Elbow 165PMTBH**

PART NO.	TUBE SIZE	L1	L2	C HEX	FLOW DIA. D	BULKHEAD HOLE DIA.
165PMTBH-8	1/2	1.29	2.45	1 1/4	.34	1



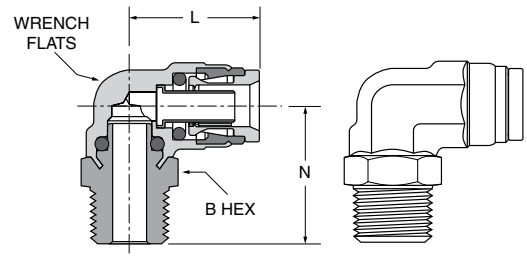
**Male Elbow 90° 169PMT**

PART NO.	TUBE SIZE	PIPE THREAD	L	N	WRENCH FLATS	B HEX
169PMT-4-2	1/4	1/8	.84	1.21	13/32	7/16
169PMT-4-4	1/4	1/4	.84	1.43	13/32	9/16
169PMT-4-6	1/4	3/8	.84	1.43	13/32	11/16
169PMT-6-2	3/8	1/8	1.11	1.41	9/16	9/16
169PMT-6-4	3/8	1/4	1.11	1.58	9/16	9/16
169PMT-6-6	3/8	3/8	1.11	1.58	9/16	11/16
169PMT-6-8	3/8	1/2	1.11	1.79	9/16	7/8
169PMT-8-4	1/2	1/4	1.27	1.73	11/16	5/8
169PMT-8-6	1/2	3/8	1.27	1.81	11/16	3/4
169PMT-8-8	1/2	1/2	1.27	1.96	11/16	7/8
169PMT-10-6	5/8	3/8	1.53	2.03	7/8	3/4
169PMT-10-8	5/8	1/2	1.53	2.18	7/8	7/8



**Male Elbow Positional 90° 169PMTR**

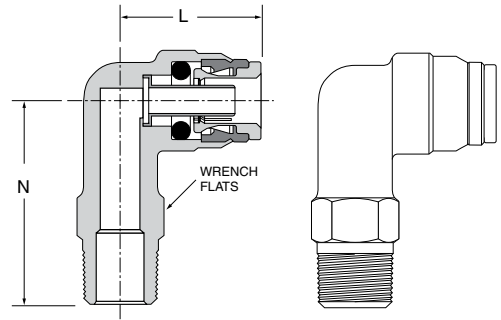
PART NO.	TUBE SIZE	PIPE THREAD	B HEX	L	N	WRENCH FLATS
169PMTR-4-4	1/4	1/4	9/16	0.84	1.13	1/2
169PMTR-6-6	3/8	3/8	3/4	1.12	1.19	9/16
169PMTR-10-8	5/8	1/2	7/8	1.54	1.50	7/8



† U.S. Patent No. 5,683,120

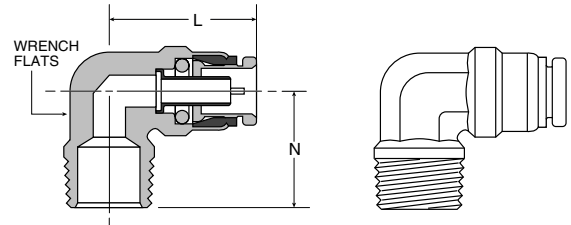
**Male Elbow Long Rigid 90° 169PMTL**

PART NO.	TUBE SIZE	PIPE THREAD	L	N	WRENCH FLATS
169PMTL-6-4	3/8	1/4	1.06	1.63	9/16
169PMTL-6-8	3/8	1/2	1.19	2.50	7/8
169PMTL-6-6	3/8	3/8	1.19	2.50	7/8
169PMTL-8-8	1/2	1/2	1.22	2.50	7/8
169PMTL-10-8	5/8	1/2	1.46	2.50	7/8



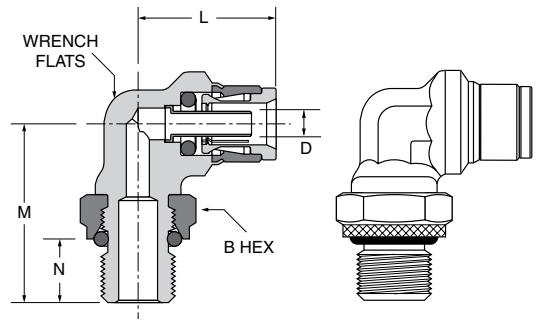
**Male Elbow Rigid 90° 169PMTNS/269PMT**

PART NO.	TUBE SIZE	PIPE THREAD	L	N	WRENCH FLATS
269PMT-5/32-1	5/32	1/16	.85	.66	7/16
269PMT-5/32-2	5/32	1/8	.85	.66	7/16
169PMTNS-4-2	1/4	1/8	.84	.72	1/2
169PMTNS-4-4	1/4	1/4	.84	.90	1/2
169PMTNS-4-6	1/4	3/8	.84	1.06	1/2
169PMTNS-6-2	3/8	1/8	1.05	.75	9/16
169PMTNS-6-4	3/8	1/4	1.05	.94	9/16
169PMTNS-6-6	3/8	3/8	1.05	.94	3/4
169PMTNS-6-8	3/8	1/2	1.12	1.26	11/16
169PMTNS-8-4	1/2	1/4	1.17	1.06	11/16
169PMTNS-8-6	1/2	3/8	1.22	1.06	11/16
169PMTNS-8-8	1/2	1/2	1.22	1.26	11/16
169PMTNS-10-6	5/8	3/8	1.46	1.11	7/8
169PMTNS-10-8	5/8	1/2	1.46	1.32	7/8
169PMTNS-12-8	3/4	1/2	1.81	1.44	1



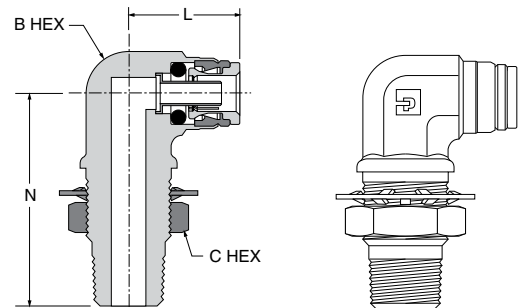
**Male Elbow to Metric Adjustable 169PMTNS-X-M**

PART NO.	TUBE SIZE	METRIC THREAD	WRENCH FLATS (MM)	B HEX (MM)	L	M	N
169PMTNS-4-M12	1/4	M12X1.5	10	17	.84	1.11	.37
169PMTNS-4-M16	1/4	M16X1.5	11	24	.96	1.27	.41
169PMTNS-4-M22	1/4	M22X1.5	19	30	1.09	1.53	.41
169PMTNS-6-M12	3/8	M12X1.5	16	17	1.10	1.15	.66
169PMTNS-6-M16	3/8	M16X1.5	19	24	1.23	1.27	.41
169PMTNS-8-M12	1/2	M12X1.5	16	17	1.21	1.31	.37
169PMTNS-8-M16	1/2	M16X1.5	16	24	1.26	1.34	.41
169PMTNS-8-M22	1/2	M22X1.5	19	30	1.26	1.59	.41
169PMTNS-12-M22	3/4	M22X1.5	27	30	1.77	1.59	.41



**Male Elbow Bulkhead 169PMTBH**

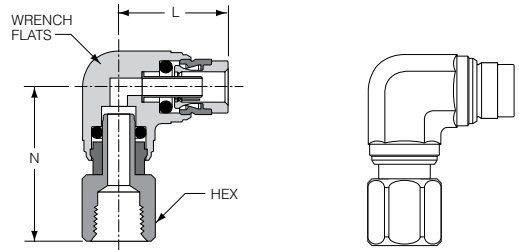
PART NO.	TUBE SIZE	PIPE THREAD	L	N	B HEX	C HEX	BULKHEAD HOLE DIA.
169PMTBH6-8	3/8	1/2	1.19	2.50	1-1/4	7/8	1
169PMTBH8-8	1/2	1/2	1.29	2.50	1-1/4	7/8	1



† U.S. Patent No. 5,683,120

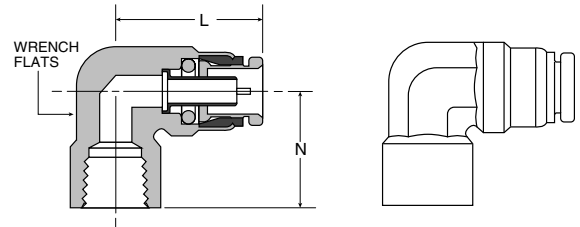
**Female Elbow Swivel 90° 170PMT**

PART NO.	TUBE SIZE	PIPE THREAD	L	N	HEX	WRENCH FLATS
170PMT-4-2	1/4	1/8-27	.84	1.18	1/2	1/2



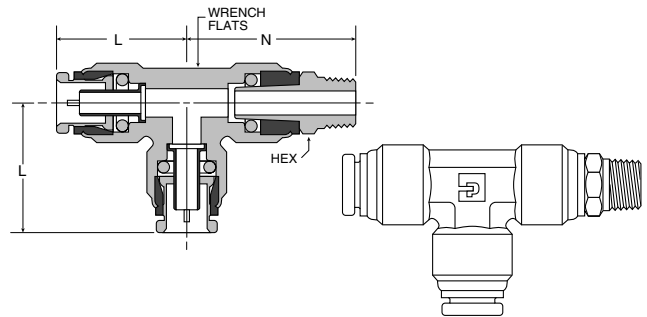
**Female Elbow Rigid 90° 170PMTNS**

PART NO.	TUBE SIZE	PIPE THREAD	L	N	WRENCH FLATS
170PMTNS-4-2	1/4	1/8	.84	.56	11/16
170PMTNS-4-4	1/4	1/4	1.00	.67	11/16
170PMTNS-6-2	3/8	1/8	1.12	.64	9/16
170PMTNS-6-4	3/8	1/4	1.25	1.00	11/16
170PMTNS-6-6	3/8	3/8	1.25	1.00	13/16
170PMTNS-8-4	1/2	1/4	1.25	.75	11/16
170PMTNS-8-6	1/2	3/8	1.32	.88	11/16
170PMTNS-8-8	1/2	1/2	1.70	.98	1



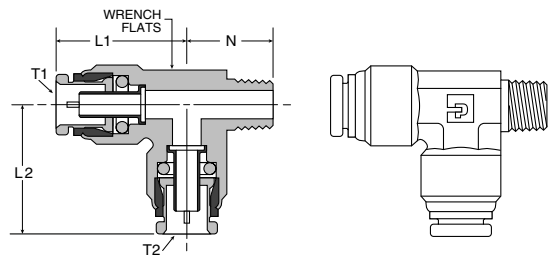
**Male Run Tee Swivel 171PMT**

PART NO.	TUBE SIZE	PIPE THREAD	L	N	HEX	WRENCH FLATS
171PMT-4-2	1/4	1/8	.85	1.25	7/16	1/2
171PMT-4-4	1/4	1/4	.85	1.48	9/16	1/2
171PMT-4-6	1/4	3/8	.85	1.43	11/16	1/2
171PMT-6-4	3/8	1/4	1.21	1.83	9/16	5/8
171PMT-6-6	3/8	3/8	1.21	1.83	11/16	5/8
171PMT-8-4	1/2	1/4	1.27	1.74	5/8	7/8
171PMT-8-6	1/2	3/8	1.27	1.83	3/4	7/8
171PMT-8-8	1/2	1/2	1.27	1.99	7/8	7/8



**Male Run Tee Rigid 171PMTNS**

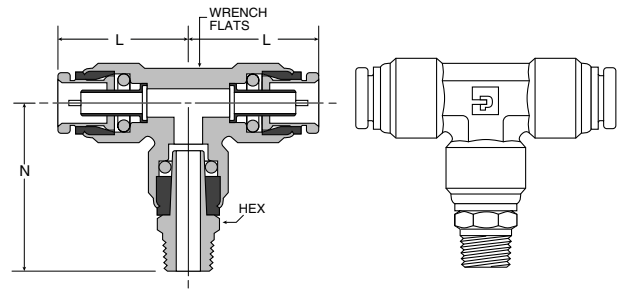
PART NO.	TUBE 1 SIZE	TUBE 2 SIZE	PIPE THREAD	L1	L2	N	WRENCH FLATS
171PMTNS-4-2	1/4	1/4	1/8	.91	.91	.77	15/32
171PMTNS-4-4	1/4	1/4	1/4	.91	.91	.94	15/32
171PMTNS-4-6-4	1/4	3/8	1/4	.93	1.21	.97	5/8
171PMTNS-6-4	3/8	3/8	1/4	1.21	1.21	.97	5/8
171PMTNS-6-4-4	3/8	1/4	1/4	1.21	.93	.97	5/8
171PMTNS-6-4-6	3/8	1/4	3/8	1.22	.97	.93	5/8
171PMTNS-6-6	3/8	3/8	3/8	1.21	1.21	.97	5/8
171PMTNS-6-8	3/8	3/8	1/2	1.17	1.17	1.26	5/8
171PMTNS-8-4	1/2	1/2	1/4	1.28	1.28	1.06	7/8



† U.S. Patent No. 5,683,120

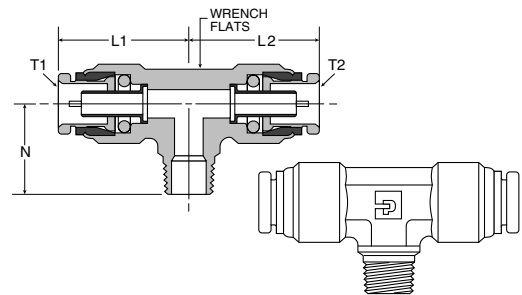
**Male Branch Tee Swivel 172PMT**

PART NO.	TUBE SIZE	PIPE THREAD	L	N	HEX	WRENCH FLATS
172PMT-4-2	1/4	1/8	.85	1.25	7/16	1/2
172PMT-4-4	1/4	1/4	.85	1.43	9/16	1/2
172PMT-6-2	3/8	1/8	1.22	1.66	9/16	5/8
172PMT-6-4	3/8	1/4	1.22	1.83	5/8	5/8
172PMT-6-6	3/8	3/8	1.22	1.83	3/4	5/8
172PMT-8-4	1/2	1/4	1.27	1.73	5/8	7/8
172PMT-8-6	1/2	3/8	1.27	1.79	3/4	7/8
172PMT-8-8	1/2	1/2	1.27	1.97	7/8	7/8



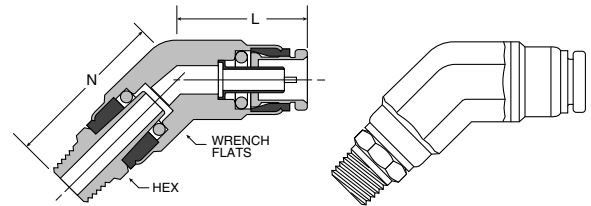
**Male Branch Tee Rigid 172PMTNS**

PART NO.	TUBE 1 SIZE	TUBE 2 SIZE	PIPE THREAD	L1	L2	N	WRENCH FLATS
172PMTNS-4-2	1/4	1/4	1/8	.91	.91	.78	1/2
172PMTNS-6-4	3/8	3/8	1/4	1.21	1.21	.97	5/8
172PMTNS-6-4-4	3/8	1/4	1/4	1.21	.93	.97	5/8
172PMTNS-6-6	3/8	3/8	3/8	1.21	1.21	.97	5/8
172PMTNS-6-8	3/8	3/8	1/2	1.17	1.17	1.26	7/8
172PMTNS-8-6	1/2	1/2	3/8	1.28	1.28	1.06	7/8
172PMTNS-8-6-8	1/2	3/8	1/2	1.25	1.25	1.25	7/8
172PMTNS-8-8	1/2	1/2	1/2	1.34	1.34	1.25	7/8



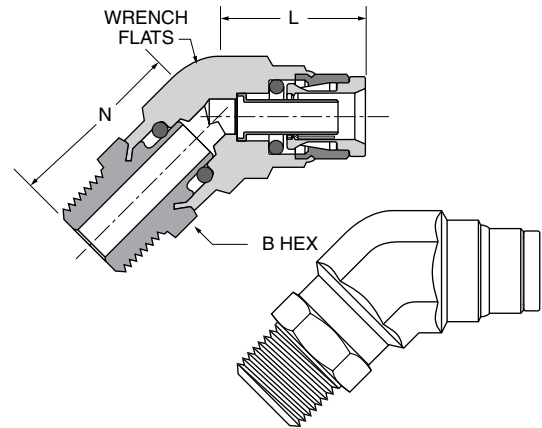
**Male Elbow Swivel 45° 179PMT**

PART NO.	TUBE SIZE	PIPE THREAD	L	N	HEX	WRENCH FLATS
179PMT-4-2	1/4	1/8	.79	1.16	7/16	9/16
179PMT-4-4	1/4	1/4	.89	1.46	9/16	9/16
179PMT-6-2	3/8	1/8	.99	1.44	5/8	3/4
179PMT-6-4	3/8	1/4	.99	1.61	5/8	3/4
179PMT-6-6	3/8	3/8	.99	1.61	5/8	3/4
179PMT-8-4	1/2	1/4	1.20	1.70	5/8	7/8
179PMT-8-6	1/2	3/8	1.20	1.78	3/4	7/8
179PMT-8-8	1/2	1/2	1.20	1.93	7/8	7/8



**Male Elbow Positional Swivel 45° 179PMTR**

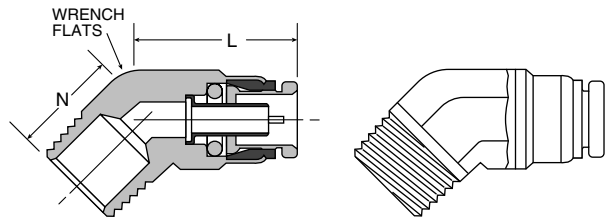
PART NO.	TUBE SIZE	PIPE THREAD	B HEX	L	N	WRENCH FLATS
179PMTR-4-4	1/4	1/4	9/16	0.79	1.18	9/16
179PMTR-8-8	1/2	1/2	7/8	1.17	1.35	7/8



† U.S. Patent No. 5,683,120

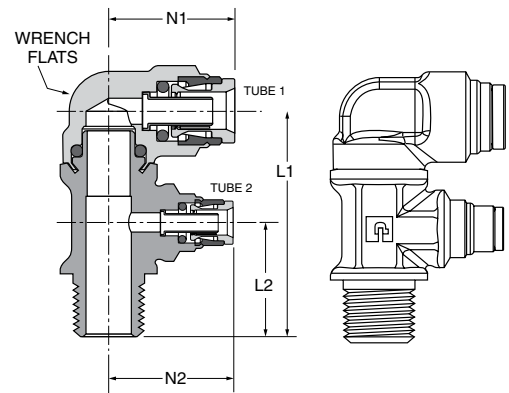
**Male Elbow Rigid 45° 179PMTNS**

PART NO.	TUBE SIZE	PIPE THREAD	L	N	WRENCH FLATS
179PMTNS-4-2	1/4	1/8	.80	.56	9/16
179PMTNS-4-4	1/4	1/4	.80	.75	9/16
179PMTNS-6-2	3/8	1/8	.99	.55	3/4
179PMTNS-6-4	3/8	1/4	.99	.73	3/4
179PMTNS-6-6	3/8	3/8	.99	.73	3/4
179PMTNS-8-4	1/2	1/4	1.28	.81	13/16
179PMTNS-8-6	1/2	3/8	1.28	.81	13/16
179PMTNS-8-8	1/2	1/2	1.28	1.06	13/16
179PMTNS-10-6	5/8	3/8	1.22	.88	7/8
179PMTNS-10-8	5/8	1/2	1.22	1.00	7/8
179PMTNS-12-8	3/4	1/2	1.41	1.25	1



**Dual port 90 Male Elbow Positional 189PMTR**

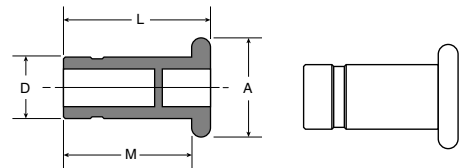
PART NO.	TUBE 1 SIZE	TUBE 2 SIZE	PIPE THREAD	L1	L2	N1	N2	WRENCH FLATS
189PMTR6-4-6	3/8	1/4	3/8	2.12	1.05	1.21	1.19	11/16
189PMTR6-6-4	3/8	3/8	1/4	2.06	.98	1.12	1.20	9/16
189PMTR6-6-6	3/8	3/8	3/8	2.06	.98	1.12	1.20	9/16
189PMTR10-4-6	5/8	1/4	3/8	2.18	1.05	1.54	1.19	7/8
189PMTR10-6-6	5/8	3/8	3/8	2.31	1.12	1.54	1.18	7/8



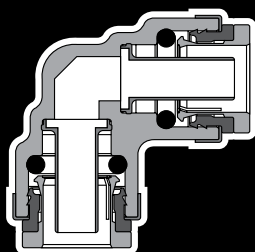
**Push-To-Connect Fitting Plug 639PM/639PMT**

PART NO.	TUBE SIZE	L	M	A	D
639PM-5/32BL	5/32	1.09	1.00	.39	.156
639PMT-4	1/4	1.14	.96	.48	.250
639PMT-6	3/8	1.33	1.15	.67	.375
639PMT-8	1/2	1.33	1.15	.81	.500

Specify color when ordering Black (BL) or Blue (BU), example 639PMT-4BU  
 Note: use appropriate PM/PMT style connection as determined by part number.



† U.S. Patent No. 5,683,120



## PTC Composite Push-In Air Brake Fitting

### Advantages

The design of the Parker PTC Composite Air Brake Fitting Complies with the performance requirements of D.O.T. FMVSS 571.106 and SAE J2494-3.

No special tools are needed to assemble. Just bottom the tubing in the fitting for a positive seal. Tube support design assures maximum flow. Brass componentry includes a shoulder on the collet for increased side load capabilities, contamination resistance features and tight internal tolerances for a close fit and smooth operation.

### Application

Use with Parker Parflex SAE J844 type A & B nylon tubing. Designed for all D.O.T. truck and trailer applications. Consult the factory with any questions regarding special product applications. Prior to use, all applications should be carefully tested through the range of conditions which may be encountered.

### Features

1. Composite body - Strong, lightweight, compact and impact resistant
2. Rigid tube support stays in place for ease of and proper assembly.
3. All threads are per SAE J476, with a substantial hex to facilitate wrenching operations.
4. Lubricated O-Ring seal (Buna N) insures a quick, easy and positive seal.
5. Innovative Collet design insures positive grip on tubing.
6. Release button offers quick and easy disconnections.
7. Composite body can be rotated after assembly to align shaped fittings for proper orientation.

### Technical Data

- Working pressure from vacuum to 250 psi.
- Working temperature from -40° to +200°F (Note: see tubing manufacturer's recommendations for pressure and temperature limitations)
- Buna N (Nitrile) O-Rings

### Order

By part number and name

### Nomenclature

Part numbers are constructed from symbols that identify the style and size of the fitting. The first series of numbers and letters identify the style and type of fitting.

### Example:

Male Elbow 90° 369 PTC 6 4  
 Composite Push-In Air Brake Fitting  
 3/8" (6/16) Tube Size  
 1/4" (4/16) Pipe Thread

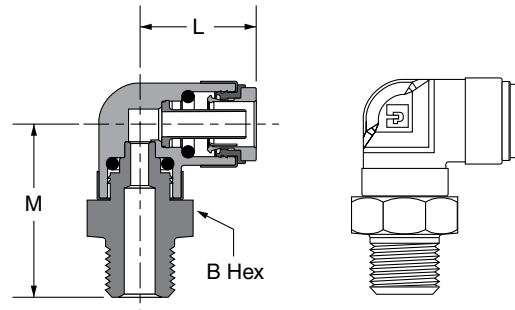
\* Thread sealant available upon request

### Special Fittings

Fitting configurations and/or sizes other than those shown in the catalog can be furnished. It is suggested that a print or sketch be submitted with the inquiry. Price and delivery for non-stock items furnished on request for specified quantities.

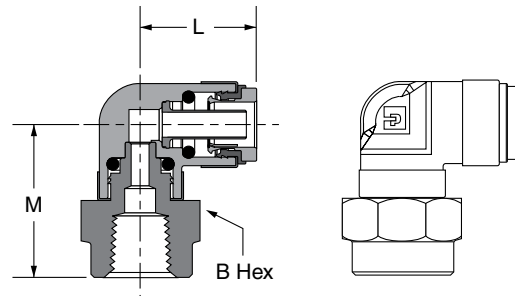
**Male Elbow Swivel 90° 369PTC**

PART NO.	TUBE SIZE	PIPE THREAD	B HEX	L	M
369PTC-4-2	1/4	1/8	9/16	.69	1.05
369PTC-4-4	1/4	1/4	9/16	.69	1.20
369PTC-4-6	1/4	3/8	3/4	.69	1.20
369PTC-6-2	3/8	1/8	3/4	.99	1.13
369PTC-6-4	3/8	1/4	3/4	.99	1.28
369PTC-6-6	3/8	3/8	3/4	.99	1.28
369PTC-6-8	3/8	1/2	7/8	.99	1.47
369PTC-8-4	1/2	1/4	15/16	1.11	1.39
369PTC-8-6	1/2	3/8	15/16	1.11	1.39
369PTC-8-8	1/2	1/2	15/16	1.11	1.58
369PTC-10-6	5/8	3/8	1-1/16	1.33	1.60
369PTC-10-8	5/8	1/2	1-1/16	1.33	1.79
369PTC-12-8	3/4	1/2	1-3/16	1.52	1.89
369PTC-12-12	3/4	3/4	1-3/16	1.52	1.99



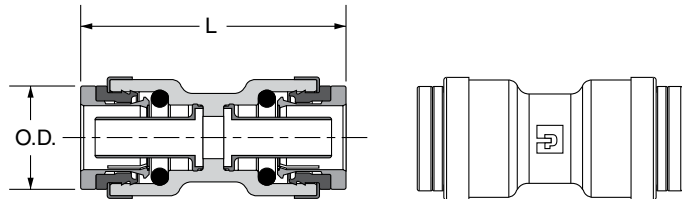
**Female Elbow Swivel 90° 370PTC**

PART NO.	TUBE SIZE	PIPE THREAD	B HEX	L	M
370PTC-4-2	1/4	1/8	5/8	.69	.89
370PTC-4-4	1/4	1/4	3/4	.69	1.05
370PTC-6-2	3/8	1/8	3/4	.99	.90
370PTC-6-4	3/8	1/4	3/4	.99	1.13
370PTC-6-6	3/8	3/8	13/16	.99	1.19
370PTC-8-6	1/2	3/8	15/16	1.11	1.30
370PTC-8-8	1/2	1/2	1-1/16	1.11	1.49
370PTC-10-8	5/8	1/2	1-1/16	1.33	1.67



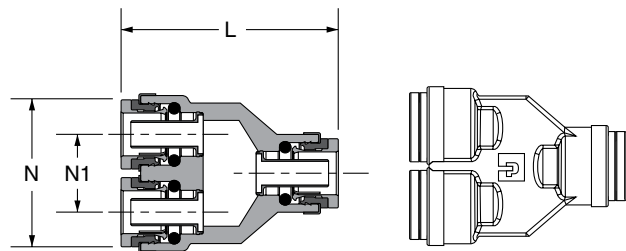
**Union 32PTC**

PART NO.	TUBE SIZE	L	O.D.
32PTC-6	3/8	1.61	.73
32PTC-8	1/2	1.75	.88
32PTC-10	5/8	2.15	1.02
32PTC-12	3/4	2.50	1.17



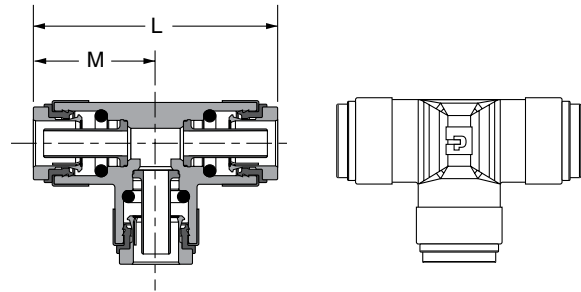
**Union Y 362PTC**

PART NO.	TUBE SIZE	L	N	N1
362PTC-4	1/4	1.49	1.03	.50
362PTC-6	3/8	1.99	1.41	.68
362PTC-8	1/2	2.18	1.72	.84



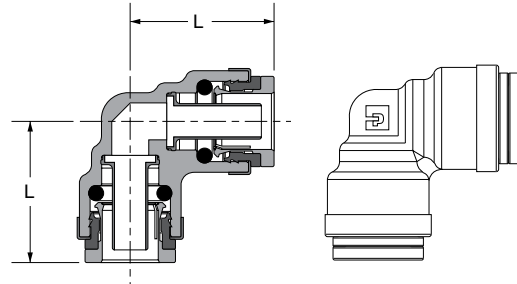
**Union Tee 364PTC**

PART NO.	TUBE SIZE	L	M
364PTC-4	1/4	1.42	.71
364PTC-6	3/8	1.99	.99
364PTC-8	1/2	2.25	1.13



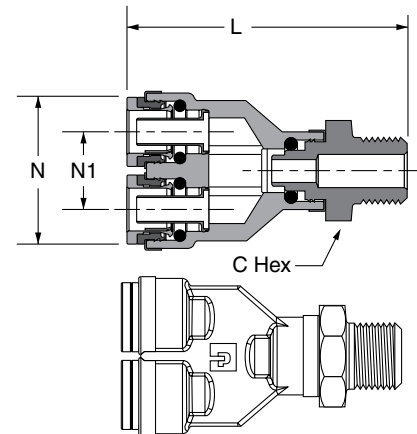
**Union Elbow 365PTC**

PART NO.	TUBE SIZE	L
365PTC-6	3/8	.99
365PTC-8	1/2	1.11



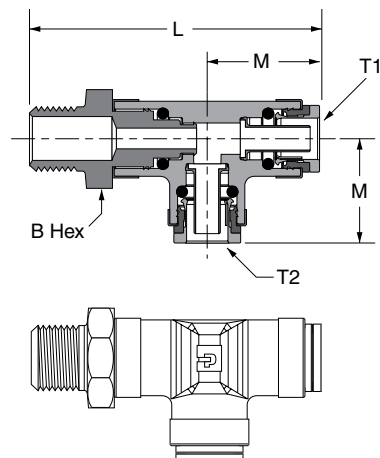
**Union Y Male Connector 368PTC**

PART NO.	TUBE SIZE	PIPE THREAD	L	C HEX	N	N1
368PTC-4-2	1/4	1/8	1.96	9/16	1.03	.50
368PTC-4-4	1/4	1/4	2.12	9/16	1.03	.50
368PTC-6-4	3/8	1/4	2.56	3/4	1.41	.68
368PTC-8-6	1/2	3/8	2.85	15/16	1.71	.84
368PTC-8-8	1/2	1/2	3.08	15/16	1.72	.84



**Male Run Tee Swivel 371PTC**

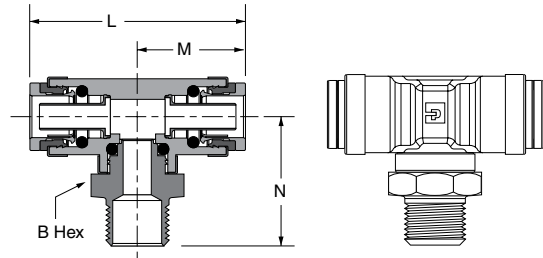
PART NO.	TUBE SIZE 1	TUBE SIZE 2	PIPE THREAD	B HEX	L	M
371PTC-4-2	1/4	1/4	1/8	9/16	1.93	.71
371PTC-4-4	1/4	1/4	1/4	9/16	2.08	.71
371PTC-4-6	1/4	1/4	3/8	3/4	2.08	.71
371PTC-6-4	3/8	3/8	1/4	3/4	2.27	.99
371PTC-6-4-4	3/8	1/4	1/4	3/4	2.27	1.08
371PTC-6-6	3/8	3/8	3/8	3/4	2.27	.99
371PTC-8-4	1/2	1/2	1/4	15/16	2.55	1.13
371PTC-8-6	1/2	1/2	3/8	15/16	2.55	1.13
371PTC-8-8	1/2	1/2	1/2	15/16	2.74	1.13
371PTC-10-8	5/8	5/8	1/2	1-1/16	3.22	1.41





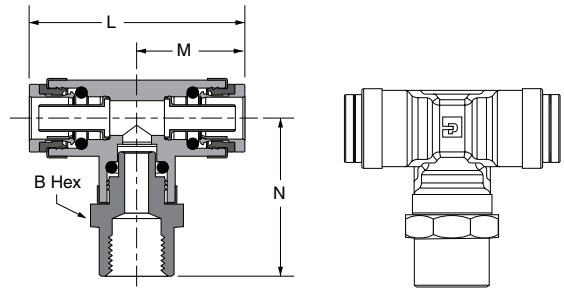
**Male Branch Tee Swivel 372PTC**

PART NO.	TUBE SIZE	PIPE THREAD	B HEX	L	M	N
372PTC-4-2	1/4	1/8	9/16	1.42	.73	1.22
372PTC-4-4	1/4	1/4	9/16	1.42	.71	1.37
372PTC-4-6	1/4	3/8	3/4	1.42	.71	1.37
372PTC-6-2	3/8	1/8	3/4	1.99	.99	1.17
372PTC-6-4	3/8	1/4	3/4	1.99	.99	1.32
372PTC-6-6	3/8	3/8	3/4	1.99	.99	1.32
372PTC-8-4-8	1/2x1/4	1/2	15/16	2.28	1.14	1.58
372PTC-8-6	1/2	3/8	15/16	2.25	1.13	1.39
372PTC-8-8	1/2	1/2	15/16	2.25	1.13	1.58
372PTC-10-8	5/8	1/2	1-1/16	2.82	1.41	1.81



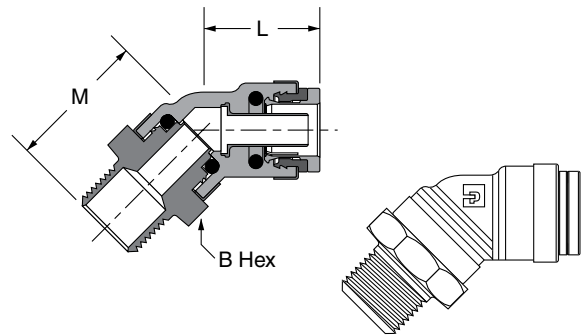
**Female Branch Tee Swivel 377PTC**

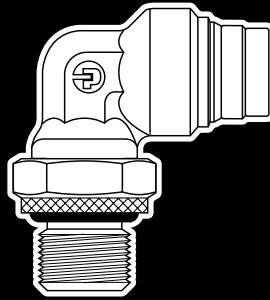
PART NO.	TUBE SIZE	PIPE THREAD	B HEX	L	M	N
377PTC-4-4	1/4	1/4	3/4	1.48	0.74	1.27



**Male Elbow Swivel 45° 379PTC**

PART NO.	TUBE SIZE	PIPE THREAD	B HEX	L	M
379PTC-4-2	1/4	1/8	9/16	.64	.97
379PTC-4-4	1/4	1/4	9/16	.64	1.12
379PTC-4-6	1/4	3/8	3/4	.64	1.12
379PTC-6-2	3/8	1/8	3/4	.87	1.01
379PTC-6-4	3/8	1/4	3/4	.87	1.16
379PTC-6-6	3/8	3/8	3/4	.87	1.16
379PTC-8-4	1/2	1/4	15/16	1.01	1.20
379PTC-8-6	1/2	3/8	15/16	1.01	1.20
379PTC-8-8	1/2	1/2	15/16	1.01	1.39
379PTC-10-6	5/8	3/8	1-1/16	1.18	1.42
379PTC-10-8	5/8	1/2	1-1/16	1.18	1.61
379PTC-12-8	3/4	1/2	1-3/16	1.35	1.69
379PTC-12-12	3/4	3/4	1-3/16	1.35	1.79





## Metric Prestomatic Air Brake Push-In Fittings

### Advantages

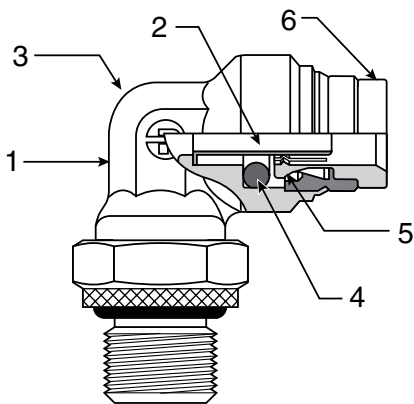
Patented design of sizes 6mm and above meet DIN 74324. Meets D.O.T. FMVSS571.106 performance specifications when used with SAE J844 metric tubing. No special tools are needed to assemble. Just bottom the tubing in the fitting body for a positive seal.

### Application

Use with DIN 73378 virgin nylon or SAE J844 tubing. Designed for DIN and D.O.T. truck and trailer applications. Consult the factory with any questions regarding special product applications. Prior to use, all applications should be carefully tested through the range of conditions which may be encountered.

### Features

1. All brass body.
2. Stainless steel tube support
3. Elbows and tees utilize the Universal Stud HOBS nut design.
4. Lubricated O-Ring Seal (Buna N) insures a quick, easy and positive seal.
5. Innovative Collet design insures positive grip on tubing.
6. Release Button offers quick and easy disconnections.



### Technical Data

- Working pressure up to 250 psi.
- Working temperature from -40° F to +200° F (Note: see tubing manufacturer's recommendations for pressure and temperature limitations).
- Buna N (Nitrile) O-Rings.
- **DIN 74324: Air brake systems thermoplastic tubes and pipe requirements and testing**
- **DIN 73378: Polymade tubing for motor vehicles.**

### Order

By part number and name.

### Nomenclature

Part numbers are constructed from symbols that identify the style and size of the fitting. The first series of numbers and letters identify the style and type of fitting. The Prestomatic series 6mm and above has a brass tube support and is designated with a "PMT" suffix.

### Example:

	F	8	U	PMTB	8	M22
Straight Male Connector	—	—	—	—	—	—
Metric Parallel	—	—	—	—	—	—
Universal Stud	—	—	—	—	—	—
Air Brake Push-In Fitting—Brass Body	—	—	—	—	—	—
8mm Tube Size	—	—	—	—	—	—
22mm Port Thread	—	—	—	—	—	—

### Special Fittings

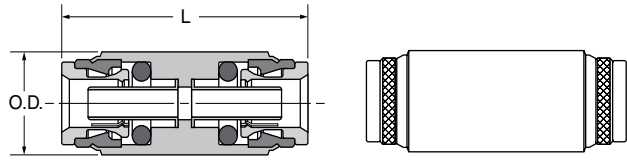
Fitting configurations and/or sizes other than those shown in the catalog can be furnished. It is suggested that a print or sketch be submitted with the inquiry. Price and delivery for non-stock items furnished on request for specified quantities.

### Pricing

Only items priced in current supplementary price list PL3501 are carried in stock. Price and delivery for non-stock items furnished on request for specified quantity.

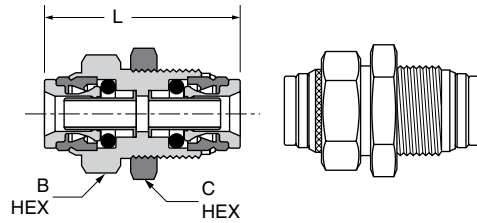
**Union HPMTB**

PART NO.	TUBE SIZE (mm)	L (mm)	O.D. (mm)
HPMTB6	6	45.2	15.9
HPMTB8	8	45.3	17.5
HPMTB10	10	51.7	22.2
HPMTB12	12	51.7	22.2



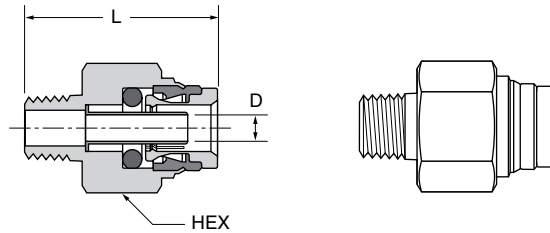
**Male Bulkhead Union WPMTB**

PART NO.	TUBE SIZE (MM)	METRIC THREAD	L (MM)	B HEX (MM)	C HEX (MM)	BULKHEAD HOLE DIA. (MM)
WPMTB6	6	M20X1.5	47.5	22	24	20
WPMTB8	8	M20X1.5	47.2	22	24	20
WPMTB10	10	M22X1.5	52.3	27	27	22
WPMTB12	12	M24X1.5	52.1	27	30	24



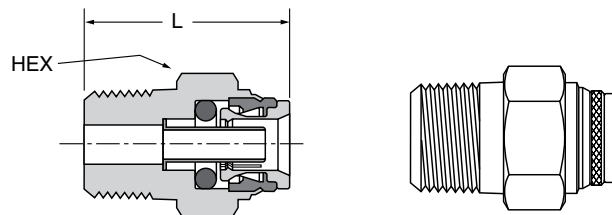
**Male Connector F2PMTB**

PART NO.	TUBE (mm)	PIPE THREAD	L (mm)	HEX (mm)	FLOW DIA. D(mm)
F2PMTB8-1/8	8	1/8	33.79	19	4.90
F2PMTB8-1/4	8	1/4	38.38	19	4.90
F2PMTB10-1/4	10	1/4	36.83	20	6.35



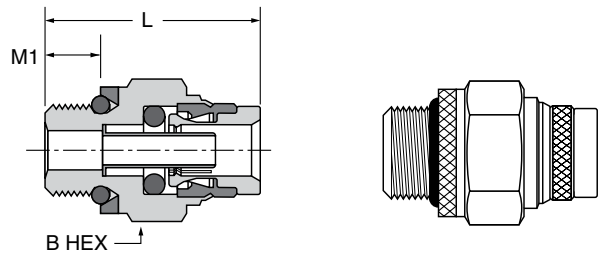
**Male Connector BSPT F3PMTB**

PART NO.	TUBE (mm)	BSPT THREAD	L (mm)	HEX (mm)
F3PMTB8-1/2	8	1/2	35.1	22
F3PMTB10-1/4	10	1/4	39.9	22
F3PMTB10-3/8	10	3/8	36.2	22
F3PMTB10-1/2	10	1/2	39.6	22
F3PMTB12-1/4	12	1/4	40.6	22
F3PMTB12-3/8	12	3/8	40.4	22
F3PMTB12-1/2	12	1/2	40.4	22



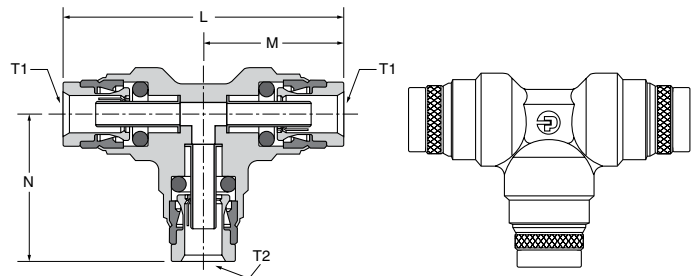
**Male Connector Metric Straight Thread F8UPMTB**

PART NO.	TUBE SIZE (mm)	METRIC THREAD	L (mm)	B HEX (mm)	M1 (mm)
F8UPMTB6-M10	6	M10x1	29.7	17	6.4
F8UPMTB6-M12	6	M12x1.5	29.1	17	7.5
F8UPMTB6-M14	6	M14x1.5	29.1	22	7.5
F8UPMTB6-M16	6	M16x1.5	31.6	22	10.0
F8UPMTB6-M22	6	M22x1.5	29.7	27	9.5
F8UPMTB8-M10	8	M10x1	31.4	22	6.4
F8UPMTB8-M12	8	M12x1.5	33.0	22	7.5
F8UPMTB8-M14	8	M14x1.5	33.0	22	7.5
F8UPMTB8-M16	8	M16x1.5	31.0	22	10.0
F8UPMTB8-M22	8	M22x1.5	28.8	27	9.5
F8UPMTB10-M10	10	M10x1	34.8	22	6.4
F8UPMTB10-M12	10	M12x1.5	36.9	22	7.5
F8UPMTB10-M14	10	M14x1.5	36.8	22	7.5
F8UPMTB10-M16	10	M16x1.5	37.5	22	10.0
F8UPMTB10-M22	10	M22x1.5	31.1	27	9.5
F8UPMTB12-M12	12	M12x1.5	37.3	22	7.5
F8UPMTB12-M14	12	M14x1.5	36.8	22	7.5
F8UPMTB12-M16	12	M16x1.5	39.7	22	10.0
F8UPMTB12-M22	12	M22x1.5	33.4	27	9.5
F8UPMTB16-M16	16	M16x1.5	39.7	27	10.0
F8UPMTB16-M22	16	M22x1.5	33.3	27	9.5



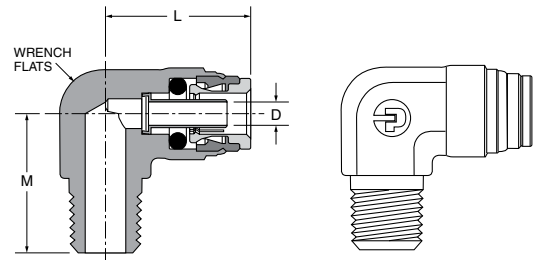
**Union Tee JPMTB**

PART NO.	TUBE 1 (mm)	TUBE 2 (mm)	L (mm)	M (mm)	N (mm)
JPMTB6	6	6	51.3	25.6	26.7
JPMTB8	8	8	53.2	26.6	26.7
JPMTB10	10	10	60.4	30.2	31.4
JPMTB12	12	12	63.3	31.7	35.0
JPMTB12-12-6	12	6	63.3	31.7	28.1
JPMTB12-12-8	12	8	63.3	31.7	32.9



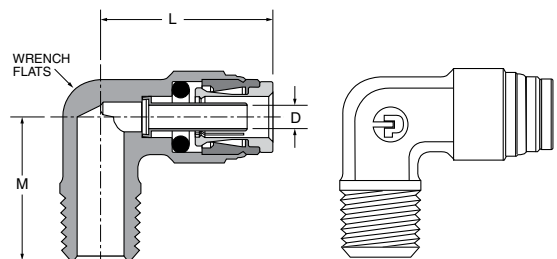
**Male Elbow Non-Swivel C2PMTB**

PART NO.	TUBE SIZE (MM)	PIPE THREAD	WRENCH FLATS (MM)	L (MM)	M (MM)	FLOW DIA. (MM)
C2PMTB8-1/4	8	1/4	16	28.5	26.9	4.83



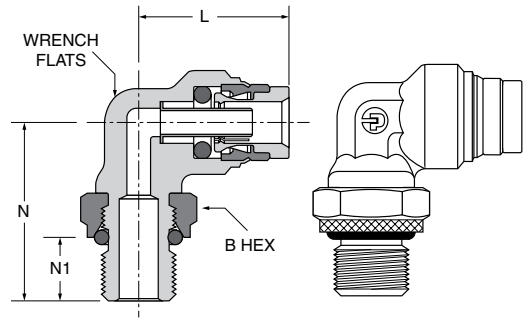
**Male Elbow Non-Swivel BSPT C3PMTB**

PART NO.	TUBE SIZE (MM)	BSPT THREAD	WRENCH FLATS (MM)	L (MM)	M (MM)
C3PMTB6-1/4	6	1/4	11	27.9	23.1
C3PMTB10-1/4	10	1/4	17	31.8	25.4
C3PMTB12-1/4	12	1/4	22	34.3	28.5
C3PMTB12-1/2	12	1/2	22	34.3	33.5



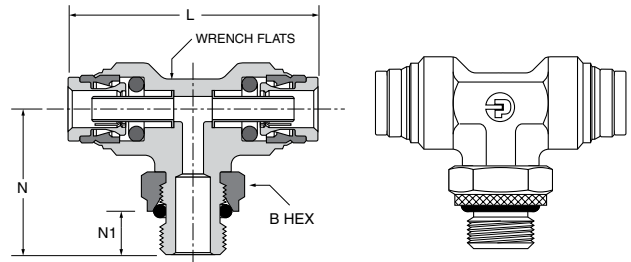
**Male Elbow Metric Straight Thread C8UPMTB**

PART NO.	TUBE SIZE (mm)	METRIC THREAD	WRENCH FLATS (mm)	B HEX (mm)	L (mm)	N (mm)	N1 (mm)
C8UPMTB6-M10	6	M10x1	10	14	24.8	26.0	7.5
C8UPMTB6-M12	6	M12x1.5	10	17	24.8	28.2	9.5
C8UPMTB6-M16	6	M16x1.5	11	24	25.0	34.0	10.5
C8UPMTB6-M22	6	M22x1.5	19	30	28.1	41.4	10.5
C8UPMTB8-M12	8	M12x1.5	16	17	27.5	33.0	9.5
C8UPMTB8-M14	8	M14x1.5	16	19	26.7	33.5	9.5
C8UPMTB8-M16	8	M16x1.5	16	24	27.5	34.0	10.5
C8UPMTB8-M22	8	M22x1.5	19	30	32.0	40.4	10.5
C8UPMTB10-M12	10	M12x1.5	16	17	29.4	30.2	9.5
C8UPMTB10-M16	10	M16x1.5	19	24	30.3	33.5	10.5
C8UPMTB10-M22	10	M22x1.5	19	30	32.0	38.4	10.5
C8UPMTB12-M16	12	M16x1.5	16	24	31.2	35.6	10.5
C8UPMTB12-M22	12	M22x1.5	16	30	32.9	38.4	10.5
C8UPMTB16-M16	16	M16x1.5	19	24	30.6	36.4	10.5
C8UPMTB16-M22	16	M22x1.5	25	30	31.7	40.4	10.5



**Male Branch Tee Swivel Metric Straight Thread S8UPMTB**

PART NO.	TUBE SIZE (mm)	METRIC THREAD	WRENCH FLATS (mm)	B HEX (mm)	L (mm)	N (mm)	N1 (mm)
S8UPMTB12-M16	12	M16x1.5	19	24	65.9	37.6	10.5
S8UPMTB12-M22	12	M22x1.5	23	30	65.9	35.6	10.5
S8UPMTB16-M22	16	M22x1.5	16	24	64.3	40.1	10.5



**Male Elbow 45° Metric Straight Thread V8UPMTB**

PART NO.	TUBE SIZE (mm)	METRIC THREAD	WRENCH FLATS (mm)	B HEX (mm)	L (mm)	N (mm)	N1 (mm)
V8UPMTB10-M22	10	M22x1.5	22	30	31.7	28.5	10.5
V8UPMTB12-M22	12	M22x1.5	27	30	31.7	28.5	10.5

