



MANUFACTURERS OF PRECISION-MADE
FLEXIBLE TUBING & SPIRAL RECOIL HOSE



**ADVANCED
TECHNOLOGY
PRODUCTS**

Technifit™

Push-to-Connect Fittings

Resin Body



Stainless Steel



All Brass



ATP has tested products from around the globe to find the highest quality, best valued push-to-connect fitting line to offer our customers for use with our USA manufactured Surethane® polyurethane, Nylochem® nylon 12, and Value-Tube™ LLDPE tubing. This catalog presents the new partnership between ATP and CDC Pneumatics for primarily resin pneumatic push-to-connect fittings. ATP will continue to offer an all metal fitting and has added a stainless steel option for the most demanding applications. Take a look below at why you might want to use Stainless Steel Fittings in your application. In order to provide our customers both outstanding delivery and service, ATP is committed to maintaining a large inventory including the majority of all models and sizes available on our shelves. Please also check out our manufactured Tubing and Spiral Recoil products available in our online catalogs at www.atp4pneumatics.com.

Our Stainless Steel line is suitable for all those applications where brass, nickel-plated and acetal fittings are banned. The AISI 316L fitting is designed to withstand corrosive environments (substances), to channel aggressive fluids and to be used in the food, pharmaceutical and chemical industries, as well as extreme hot or cold conditions. The stainless fittings come with FPM (Viton®) seals to guarantee the best performance at the highest temperatures.

“Quality Products at Competitive Prices” awaits you with ATP!

LIMITED WARRANTY

Advanced Technology Products expressly excludes all warranties, guarantees and representations, expressed or implied, including but not limited to warranties of merchantability, material, workmanship, design and suitability for a specified or intended purpose. Products shall be free from defects in material and workmanship for a period of one (1) year after shipment. If the product purchased is defective in any way during the one (1) year period, please contact ATP for an RGA number to return the product. No unauthorized returns will be accepted. Ship product prepaid to ATP for a full evaluation. If the product is found to be defective, ATP will repair or replace the product at no charge to the customer at ATP's sole discretion.

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Safety Caution and Classification of Warning Indications

-  **Danger** - Death or serious injury may occur.
-  **Warning** - Depending on the specific situation, death or serious injury may occur.
-  **Caution** - Depending on the specific situation, serious/light injury or loss of property may occur.

Caution for Products in this Catalog

Recommended Connection Torque (by thread)

Thread Type	Thread Size	Recommended Torque
NPT Thread	NPT1/16	7N.m
	NPT1/8	7N.m
	NPT1/4	12N.m
	NPT3/8	22N.m
	NPT1/2	28N.m
Metric Thread	M3xP0.5	0.7N.m
	M3xP0.8	1.5N.m
	M3xP1.0	2.3N.m
Pipe Taper Thread (PT)	R1/8	7N.m
	R1/4	12N.m
	R3/8	22N.m
	R1/2	28N.m
Unified Thread(UNF)	No.10-32UNF	1.5N.m
G Thread (PF)	G1/8	10N.m
	G1/4	15N.m
	G3/8	25N.m
	G1/2	40N.m

Danger

Do not use products in this catalog in machines that have the following purposes:

- Any medical, dental, or other application requiring FDA approval. Or Health Equipment.
- Transportation applications
- Instruments of critical safety

Warning

Do not use these products in the conditions below:

- Uses other than those specified and in conditions indicated for the particular product.
- Never touch the release sleeve of one-touch fittings when they are pressurized. (it may cause body disconnection, resulting in potentially dangerous situations)
- Places subject to excessive external pressure due to pulling, bending and twisting. (It may cause body breakdown, resulting in potentially dangerous situations).
- Places subject to excessive vibration, impact, rotation and bending.
- Places exposed to corrosive fluid, flammable fluid, chemicals, sea water, and/or sea water vapor.

Caution

- Assemble pipes only after cleaning away all impurities such as dust.
- The product can suffer damage or the screw may break causing quality problems when the product is assembled using excessive force, higher than the recommended tightening torque
- Refer to Recommended Torque Table by screw size when tightening.
- When connecting a tube to fitting products, be sure to push the tube until it bottoms out to the end of the fitting. Pull the tube back slightly to ensure the locking claw grips the tube.

Common Precaution on Fitting Products

Warning

- Do not use them on fluids other than air.
- Be sure to prevent pressure buildup caused by twisting, pulling, and bending of the fitting product.
- Do not use the product where weld spatters occur as fire may occur.
- Product damage or air leakage may occur at places where there is rotation and vibration. Choose the right product from our catalog.
- Use caution in water as the product may be damaged by surge pressure.
- Do not use the product where it is directly exposed to fluids such as cutting oil, lubricating oil, and coolant oil.

Caution

- Assemble the pipes only after cleaning away all impurities such as dust.
- Fitting products are used in connections to transport air smoothly. Avoid using them for other purposes.
- The tube release sleeve is circular so that it is not restricted by small places, otherwise, you may choose products from other series. (such as compact fittings).
- Refer to Table 1 to make sure that tolerance of the OD of the tube is in the permissible range when using products other than CDC Pneumatics.

Table 1: Tolerance of the Outer diameter of the Tube

● Tolerance of the OD by size (Inch)

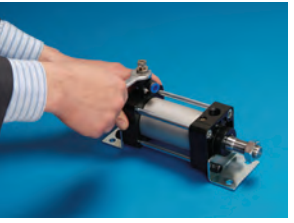
Tube specifications	Ø1/8	Ø5/32	Ø3/16	Ø1/4	Ø5/16	Ø3/8	Ø1/2
Permissible tolerance	±0.15	±0.15 -0.1	±0.15	±0.1	+0.2 -0.15	±0.15	±0.15

● Tolerance of the OD by size (Metric)

Tube specifications	Ø3	Ø4	Ø6	Ø8	Ø10	Ø12	Ø16
Permissible tolerance	±0.1	±0.1	±0.1	±0.1	±0.15	±0.15	±0.15

Insertion of tube to fitting product

1. Make sure the tube is inserted fully to the end of the fitting until it bottoms out.
2. To insert the tube into the fitting, cut the tube at a right angle, insert to the end and pull the tube gently to make sure it isn't released.
3. If there is some damage or scratches on the oval shape and tube, air leakage and tube release may occur. Check the tube thoroughly.
4. The OD of polyurethane tube expands by pressure exerted on them. Reinsertion to the fitting may not be possible. Check the OD of the tube and change the tube if the expansion is serious.

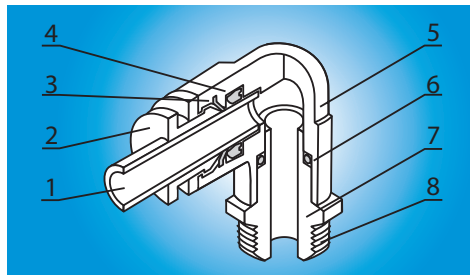
Preparation	Tube cutting	Fitting connection	Tube insertion
 Prepare the tube, tube cutter, fitting connection devices (spanner or adjustable wrench).	 Cut the tube cleanly and to a perfect cross-section (90° angle).	 Tighten the connection with the spanner or adjustable wrench observing the recommended torque range on page 2.	 Mark the tube insertion length at the tube, and insert it at a straight line with the fitting. Make sure the marking is on the open cross section of the sleeve.

Part Numbering System

PC-1/4-01C

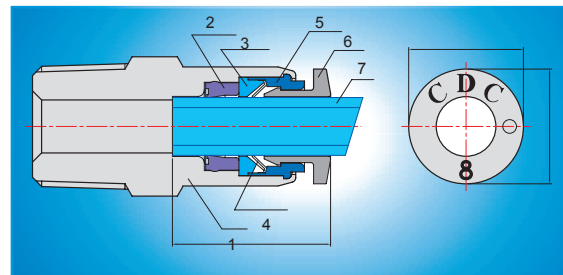
Model Number	Tube Size O.D.	Thread Size	Compact=C
	Inch=1/4 Metric=06	NPT=N1 BSPT=01 BSPP/G=G01 N1/01 = 1/8" N2/02 = 1/4" N3/03 = 3/8" N4/04 = 1/2"	

Construction



- | | |
|-----------------------|-------------------|
| 1. ATP Tubing | 5. Body Material |
| 2. Metal Release Ring | 6. O-Ring(NBR) |
| 3. Gripping Mechanism | 7. Body Material |
| 4. Packing(NBR) | 8. Thread Sealant |

- Brass Body Fittings
- Material - Nickel Plated Brass
- Packing & O-Ring Seal - NBR, High Temperature • Viton Available as Custom
- Gripping Mechanism - Stainless Steel
- Temperature Range - 32°F/0°C to 176°F/80°C
- Pressure Range - 0-150 PSI
- Vacuum - 29.5" HG
- Media - Air



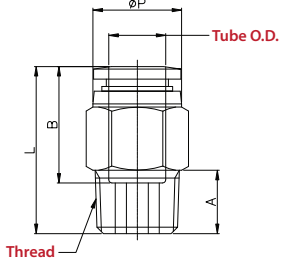
- | | |
|------------------|-----------|
| 1. Body Material | 5. Collar |
| 2. U-Packing | 6. Sleeve |
| 3. Back Ring | 7. Tube |
| 4. Lock Claw | |

- CDC Resin Body Fittings
- Material -PBT
- Packing & O-Ring Seal - NBR, High Temperature
- Viton Available as Custom
- Gripping Mechanism - Stainless Steel
- Temperature Range - 32°F/0°C to 140°F/60°C
- Pressure Range - 0-150 PSI
- Vacuum - 29.5" HG
- Media - Air

Male Straight Hex Body - PC



Inch Tube NPT Thread



*Actual dimensions for above diagram available upon request



Inch Tube BSPT(R) Thread



Metric Tube BSPT(R) Thread



Metric Tube BSPP(G) Thread

MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ	Bag QTY	MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ	Bag QTY	MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ	Bag QTY
PC5/32-U	5/32	10-32	.21	10	PC1/4-U	1/4	10-32	.32	10	PC3/8-N1	3/8	1/8	.77	10
PC5/32-N1		1/8	.28		PC1/4-N1		1/8	.32		PC3/8-N2		1/4	.92	
PC5/32-N2		1/4	.53		PC1/4-N2		1/4	.46		PC3/8-N3		3/8	.74	
PC5/32-N3		3/8	.88		PC1/4-N3		3/8	.85		PC3/8-N4		1/2	1.79	
PC3/16-U	3/16	10-32	.28	10	PC1/4-N4	5/16	1/2	1.76	10	PC1/2-N1	1/2	1/8	1.2	10
PC3/16-N1		1/8	.53		PC5/16-N1		1/8	.46		PC1/2-N2		1/4	1.31	
PC3/16-N2		1/4	.88		PC5/16-N2		1/4	.53		PC1/2-N3		3/8	1.69	
PC3/16-N3*		3/8	.88		PC5/16-N3		3/8	.78		PC1/2-N4		1/2	1.69	
					PC5/16-N4		1/2	2.12						
MODEL (inch)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY	MODEL (inch)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY	MODEL (inch)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY
PC1/4-01	1/4	1/8	.31	10	PC5/16-03*	5/16	3/8	.77	10	PC1/2--02*	1/2	1/4	1.31	10
PC1/4-02		1/4	.45		PC3/8-01*		1/8	.75		PC1/2--03*		3/8	1.34	
PC1/4-03*		3/8	.84		PC3/8--02		1/4	.92		PC1/2--04*		1/2	1.69	
PC5/16-01*		1/8	.52		PC3/8--03*		3/8	.74						
PC5/16-02	5/16	1/4	.66		PC3/8--04*		1/2	1.79						
MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY
PC04-M5	4mm	M5	.25	10	PC06-03	6mm	3/8	.88	10	PC10-04	10mm	1/2	1.59	10
PC04-M6		M6	.28		PC06-04		1/2	1.87		PC12-01		1/8	1.06	
PC04-01		1/8	.32		PC08-01		1/8	.53		PC12-02		1/4	1.02	
PC04-02		1/4	.56		PC08-02		1/4	.56		PC12-03		3/8	1.02	
PC04-03	6mm	3/8	.99	10	PC08-03	8mm	3/8	.85	10	PC12-04	12mm	1/2	1.34	5
PC06-M5		M5	.35		PC08-04		1/2	1.73		PC14-03		3/8	1.48	
PC06-M6		M6	.35		PC10-01		1/8	.74		PC14-04		1/2	1.73	
PC06-01		1/8	.85		PC10-02	10mm	1/4	.85		PC16-03	16mm	3/8	1.8	
PC06-02		1/4	.49		PC10-03		3/8			PC16-04		1/2	2.29	
MODEL (metric)	Tube O.D.	Thread M	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread M	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread M	Weight OZ	Bag QTY
PC06-M12*	6mm	M12	.56	10	PC10-M12*	10mm	M12	.79	10	PC12-M12*	12mm	M12	1.37	10
PC06-M16*		M16	.9		PC10-M14*		M14	.86		PC12-M14*		M14	.99	
PC08-M12*		M12	.5		PC10-M16*		M16	.73		PC12-M16*		M16	1.06	
PC08-M16*		M16	.78		PC10-M22*		M22			PC12-M22*		M22	1.32	
PC08-M22*		M22	1.42											
MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ	Bag QTY
PC04-G01	4mm	1/8	.39	10	PC08-G02	8mm	1/4	.56	10	PC12-G02	12mm	1/4	1.02	10
PC04-G02		1/4	.67		PC08-G03		3/8	.85		PC12-G03		3/8	.81	
PC04-G03*		3/8	.99		PC08-G04*		1/2	1.34		PC12-G04		1/2	1.32	
PC06-G01		1/8	.35		PC10-G01	10mm	1/8	.81		PC14-G03*	14mm	3/8	1.69	5
PC06-G02	6mm	1/4	.60	10	PC10-G02		1/4	.71		PC14-G04*		1/2	2.01	
PC06-G03		3/8	.81		PC10-G03		3/8	.71		PC16-G03		3/8	1.94	
PC08-G01		1/8	.60		PC10-G04		1/2	1.38		PC16-G04		1/2	2.19	

* Non-stock item, subject to change, call for availability.

Male Straight Round Body - POC



Inch Tube NPT Thread



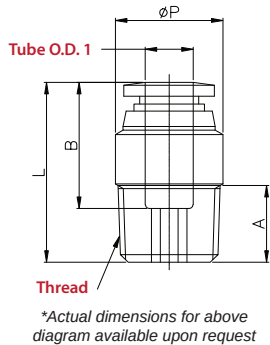
Inch Tube BSPT(R) Thread



Metric Tube BSPT(R) Thread

MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ	Bag QTY	MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ	Bag QTY	MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ	Bag QTY
POC5/32-U	5/32	10-32	.21	10	POC1/4-U	1/4	10-32	.32	10	POC3/8-N1*	3/8	1/8	.90	10
POC5/32-N1		1/8	.26		POC1/4-N1		1/8	.35		POC 3/8-N2		1/4	.95	
POC5/32-N2		1/4	.49		POC1/4-N2		1/4	.46		POC 3/8-N3		3/8	1.21	
POC3/16-U*	3/16	10-32	.21	10	POC5/16-N1	5/16	1/8	.53	10	POC 3/8-N4*		1/2	1.53	
POC3/16-N1		1/8	.26		POC5/16-N2		1/4	.60		POC1/2-N2*	1/2	1/4	1.10	10
POC3/16-N2*		1/4	.49		POC5/16-N3*		3/8	.80		POC 1/2-N3		3/8	1.20	
										POC1/2-N4*		1/2	1.53	
MODEL (inch)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY	MODEL (inch)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY	MODEL (inch)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY
POC1/4-01	1/4	1/8	.35	10	POC5/16-01*	5/16	1/8	.53	10	POC3/8-01*	3/8	1/8	.90	10
POC1/4-02*		1/4	.46		POC5/16-02		1/4	.60		POC3/8-02*		1/4	.95	
MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY
POC04-M5	4mm	M5	.25	10	POC06-02	6mm	1/4	.53	10	POC10-03	10mm	3/8	.79	10
POC04-M6*		M6	.28		POC06-03*		3/8	.90		POC10-04		1/2	1.41	
POC04-01		1/8	.28		POC08-01	8mm	1/8	.49		POC12-01*	12mm	1/8	.85	
POC04-02	6mm	1/4	.53	10	POC08-02		1/4	.90	10	POC12-02		1/4	.92	10
POC04-03		3/8	.85		POC08-03		3/8	1.69		POC12-03		3/8	1.41	
POC06-M5		M5	.28		POC08-04*	10mm	1/2	.67		POC12-04		1/2	1.41	
POC06-M6	6mm	M6	.32	10	POC10-01		1/8		10					
POC06-01		1/8			POC10-02		1/4							

* Non-stock item, subject to change, call for availability.



Female Straight - PCF



Inch Tube NPT Thread



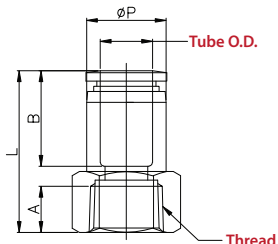
Inch Tube BSPT(R) Thread



Metric Tube BSPT(R) Thread



Metric Tube BSPP(G) Thread



*Actual dimensions for above diagram available upon request

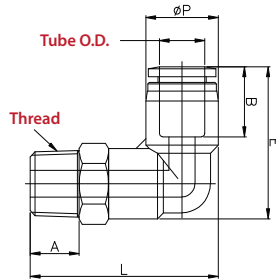
MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ	Bag QTY	MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ	Bag QTY	MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ	Bag QTY
PCF5/32-N1	5/32	1/8	.56	10	PCF1/4-N3	1/4	3/8	1.40	10	PCF3/8-N2	3/8	1/4	.93	10
PCF5/32-N2		1/4	.70		PCF5/16-N1	1/8	.66	PCF3/8-N3		3/8		1.39		
PCF3/16-N1	3/16	1/8	.56		PCF5/16-N2	1/2	.94	PCF3/8-N4		1/2		1.46	5	
PCF3/16-N2		1/4	.70		PCF5/16-N3*	3/8	1.35	PCF1/2-N2		1/4	1.87			
PCF1/4-N1	1/4	1/8	.66		PCF5/16-N4*	1/2	1.60	PCF1/2-N3		3/8	1.59			
PCF1/4-N2		1/4	.84		PCF3/8-N1	3/8	1/8	1.05		PCF1/2-N4	1/2	1.84		
MODEL (inch)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY	MODEL (inch)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY	MODEL (inch)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY
PCF1/4-01*	1/4	1/8	.66	10	PCF5/16-01*	5/16	1/8	.66	10	PCF3/8-02*	3/8	1/4	.93	10
PCF1/4-02*		1/4	.84		PCF5/16-02*		1/4	.94		PCF3/8-03*		3/8	1.39	
MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY
PCF04-M5	4mm	M5	.56	10	PCF06-03	6mm	3/8	1.34	10	PCF10-01	10mm	1/8	1.09	10
PCF04-01		1/8	.56		PCF06-04*		1/2	1.45		PCF10-02		1/4	.92	
PCF04-02		1/4	.78		PCF08-01	1/8	.67	PCF10-03		3/8		1.45		
PCF04-03*		3/8	1.34		PCF08-02	1/4	.92	PCF10-04		1/2		1.52		
PCF06-M5*	6mm	M5	.71		PCF08-03	3/8	1.38	PCF12-02		12mm	1/4	1.90		
PCF06-01		1/8	.67		PCF08-04	1/2	1.45	PCF12-03			3/8	1.62		
PCF06-02		1/4	.85								PCF12-04	1/2	1.76	5
MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ	Bag QTY
PCF04-G01*	4mm	1/8	.57	10	PCF08-G01*	8mm	1/8	.67	10	PCF10-G03*	10mm	3/8	1.41	10
PCF04-G02*		1/4	.71		PCF08-G02		1/4	.92		PCF10-G04*		1/2	2.12	
PCF04-G03*		3/8	.88		PCF08-G03*		3/8	1.38		PCF12-G02*	12mm	1/4	1.55	
PCF06-G01*	6mm	1/8	.67		PCF08-G04*		1/2	1.62		PCF12-G03*		3/8	1.55	
PCF06-G02*		1/4	.85		PCF10-G01*	1/8	1.06	PCF12-G04*			1/2	1.76	5	
PCF06-G03*		3/8	1.41		PCF10-G02	1/4	1.31							
* Non-stock item, subject to change, call for availability.														

* Non-stock item, subject to change, call for availability.

Swivel Male Elbow - PL



Inch Tube NPT Thread



*Actual dimensions for above diagram available upon request



Inch Tube BSPT(R) Thread



Metric Tube BSPT(R) Thread



Metric Tube BSPP(G) Thread

MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ	Bag QTY	MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ	Bag QTY	MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ	Bag QTY
PL5/32-U		10-32	.28		PL1/4-U		10-32	.42		PL3/8-N1		1/8	.88	
PL5/32-N1	5/32	1/8	.35		PL1/4-N1	1/4	1/8	.53		PL3/8-N2	3/8	1/4	1.02	10
PL5/32-N2		1/4	.60		PL1/4-N2		1/4	.71		PL3/8-N3		3/8	1.20	
PL3/16-U		10-32	.28	10	PL1/4-N3		3/8	1.16	10	PL3/8-N4		1/2	1.90	
PL3/16-N1	3/16	1/8	.35		PL5/16-N1		1/8	.63		PL1/2-N2		1/4	1.31	5
PL3/16-N2		1/4	.60		PL5/16-N2	5/16	1/4	.81		PL1/2-N3	1/2	3/8	1.62	
PL3/16-N3*		3/8	.67		PL5/16-N3		3/8	1.27		PL1/2-N4		1/2	2.26	
					PL5/16-N4		1/2	1.98	5					
MODEL (inch)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY	MODEL (inch)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY	MODEL (inch)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY
PL1/4-01		1/8	.32		PL5/16-03*	5/16	3/8	1.26		PL1/2-02		1/4	1.27	
PL1/4-02*	1/4	1/4	.69		PL3/8-01*		1/8	.85	10	PL1/2-03	1/2	3/8	1.59	5
PL1/4-03*		3/8	1.15	10	PL3/8-02	3/8	1/4	.99		PL1/2-04		1/2	2.22	
PL5/16-01*	5/16	1/8	.62		PL3/8-03*		3/8	1.17						
PL5/16-02		1/4	.80		PL3/8-04*		1/2	1.88	5					
MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY
PL04-M5		M5	.28		PL06-03	6mm	3/8	1.16		PL10-04	10mm	1/2	1.90	
PL04-M6		M6	.28		PL06-04		1/2	1.86		PL12-01		1/8	1.06	
PL04-01	4mm	1/8	.35		PL08-01		1/8	.63		PL12-02	12mm	1/4	1.31	
PL04-02		1/4	.59		PL08-02	8mm	1/4	.81	10	PL12-03		3/8	1.62	5
PL04-03		3/8	1.12	10	PL08-03		3/8	1.27		PL12-04		1/2	2.26	
PL06-M5		M5	.42		PL08-04		1/2	1.98		PL14-03	14mm	3/8	1.59	
PL06-M6	6mm	M6	.42		PL10-01		1/8	.88		PL14-04		1/2	1.76	
PL06-01		1/8	.53		PL10-02	10mm	1/4	1.02		PL16-03	16mm	3/8	2.19	
PL06-02		1/4	.71		PL10-03		3/8	1.20		PL16-04		1/2	2.89	
MODEL (metric)	Tube O.D.	Thread M	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread M	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread M	Weight OZ	Bag QTY
PL06-M12*	6mm	M12	.67		PL08-M22*	8mm	M22	1.21		PL12-M12*		M12	1.18	
PL06-M16*		M16	.74	10	PL10-M12*		M12	.81	10	PL12-M14*	12mm	M14	1.36	5
PL08-M12*	8mm	M12	.79		PL10-M16*	10mm	M16	.94		PL12-M16*		M16	1.18	
PL08-M16*		M16	.85		PL10-M22*		M22	1.32	5	PL12-M22*		M22	1.70	
MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ	Bag QTY
PL04-G01		1/8	.35		PL08-G02		1/4	1.00		PL12-G02		1/4	1.31	
PL04-G02	4mm	1/4	.59		PL08-G03	8mm	3/8	1.27		PL12-G03	12mm	3/8	1.62	
PL04-G03		3/8	1.12		PL08-G04*		1/2	1.98	10	PL12-G04		1/2	2.26	
PL06-G01		1/8	.53	10	PL10-G01		1/8	.88		PL14-G03	14mm	3/8	1.59	5
PL06-G02	6mm	1/4	.71		PL10-G02	10mm	1/4	1.02		PL14-G04*		1/2	1.76	
PL06-G03		3/8	1.16		PL10-G03		3/8	1.20		PL16-G03	16mm	3/8	2.19	
PL08-G01	8mm	1/8	.63		PL10-G04		1/2	1.90	5	PL16-G04		1/2	2.89	

* Non-stock item, subject to change, call for availability.

Extended Swivel Male Elbow - PLL



Inch Tube NPT Thread



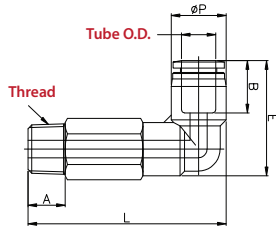
Inch Tube BSPT(R) Thread



Metric Tube BSPT(R) Thread



Metric Tube BSPP(G) Thread



*Actual dimensions for above diagram available upon request

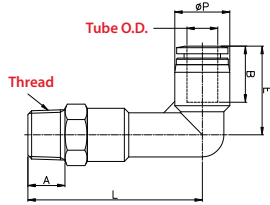
MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ	Bag QTY	MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ	Bag QTY	MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ	Bag QTY
PLL5/32-U	5/32	10-32	.56	10	PLL1/4-U	1/4	10-32	.99	10	PLL3/8-N2	3/8	1/4	2.29	5
PLL5/32-N1		1/8	.63		PLL1/4-N1		1/8	1.02		PLL3/8-N3		3/8	2.47	
PLL5/32-N2		1/4	1.13		PLL1/4-N2		1/4	1.23		PLL3/8-N4		1/2	3.53	
PLL3/16-U*	3/16	10-32	.55	10	PLL1/4-N3	5/16	3/8	1.76	5	PLL1/2-N2	1/2	1/4	3.17	5
PLL3/16-N1*		1/8	.63		PLL5/16-N1		1/8	1.27		PLL1/2-N3		3/8	4.23	
PLL3/16-N2*		1/4	1.13		PLL5/16-N2*		1/4	1.41		PLL1/2-N4		1/2	5.64	
PLL3/16-N3*		3/8	1.41		PLL5/16-N3*		3/8	2.12						
MODEL (inch)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY	MODEL (inch)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY	MODEL (inch)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY
PLL1/4-01*	1/4	1/8	1.01	10	PLL5/16-01*	5/16	1/8	1.26	10	PLL3/8-01*	3/8	1/8	2.27	5
PLL1/4-02*		1/4	1.22		PLL5/16-02*		1/4	1.40		PLL3/8-02*		1/4	2.44	
MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY
PLL04-M5	4mm	M5		10	PLL06-03	6mm	3/8	1.76	10	PLL10-03	10mm	3/8	2.47	5
PLL04-M6*		M6	.56		PLL06-04*		1/2	3.39		PLL10-04		1/2	3.53	
PLL04-01		1/8			PLL08-01	8mm	1/8	1.27	10	PLL12-01*	12mm	1/8	3.21	
PLL04-02		1/4	1.13		PLL08-02		1/4	1.41		PLL12-02		1/4	3.17	
PLL04-03*		3/8	1.45		PLL08-03		3/8	2.12	5	PLL12-03		3/8	3.53	
PLL06-M5	6mm	M5		10	PLL08-04	10mm	1/2	3.53		PLL12-04	16mm	1/2	4.23	5
PLL06-M6*		M6	.99		PLL10-01		1/8	2.15		PLL16-03*		3/8	7.05	
PLL06-01		1/8			PLL10-02		1/4	2.29		PLL16-04*		1/2	8.82	
PLL06-02		1/4	1.23											
MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ	Bag QTY
PLL04-G01*	4mm	1/8	.56	10	PLL08-G02*	8mm	1/4	1.66	10	PLL12-G02*	12mm	1/4	2.93	5
PLL04-G02*		1/4	1.13		PLL08-G03*		3/8	2.19		PLL12-G03*		3/8	2.96	
PLL04-G03*		3/8	1.45		PLL08-G04*		1/2	3.32		PLL12-G04*		1/2	4.16	
PLL06-G01*	6mm	1/8	1.06	10	PLL10-G01*	10mm	1/8	2.08	5	PLL16-G03*	16mm	3/8	5.12	5
PLL06-G02*		1/4	1.55		PLL10-G02*		1/4	2.29		PLL16-G04*		1/2		
PLL06-G03*		3/8	1.98		PLL10-G03*		3/8	2.58						
PLL08-G01*	8mm	1/8	1.27		PLL10-G04*		1/2	3.60						

* Non-stock item, subject to change, call for availability.

Long Swivel Male Elbow - PLLP



Metric Tube BSPT(R) Thread



*Actual dimensions for above diagram available upon request



Metric Tube BSPP(G) Thread

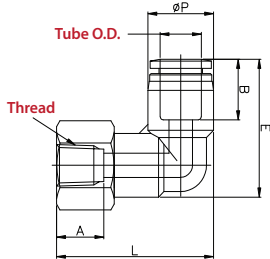
MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY
PLLP04-M5*	4mm	M5	.20	10	PLLP06-02*	6mm	1/4	.67	10	PLLP10-01*	10mm	1/8	.98	5
PLLP04-M6*		M6	.28		PLLP06-03*		3/8	.92		PLLP10-02*		1/4	1.04	
PLLP04-01*		1/8	.35		PLLP06-04*		1/2	1.42	5	PLLP10-03*		3/8	1.12	
PLLP04-02*		1/4	.53		PLLP08-01*	8mm	1/8	.64	10	PLLP10-04*	12mm	1/2	1.78	
PLLP04-03*	6mm	3/8	.84	10	PLLP08-02*		1/4	.74		PLLP12-01*		1/8	1.49	
PLLP06-M5*		M5	.25		PLLP08-03*		3/8	.98	5	PLLP12-02*		1/4	1.35	
PLLP06-M6*		M6	.42		PLLP08-04*	10mm	1/2	1.51		PLLP12-03*		3/8	1.48	
PLLP06-01*		1/8	.49							PLLP12-04*		1/2	1.84	
MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ	Bag QTY
PLLP04-G01*	4mm	1/8	.46	10	PLLP08-G01*	8mm	1/8	.56	10	PLLP10-G03*	10mm	3/8	1.05	5
PLLP04-G02*		1/4	.60		PLLP08-G02*		1/4	.70		PLLP10-G04*		1/2	1.57	
PLLP04-G03*		3/8	.70		PLLP08-G03*		3/8	.91	5	PLLP12-G02*	12mm	1/4	1.21	
PLLP06-G01*	6mm	1/8	.56	10	PLLP08-G04*	10mm	1/2	1.30		PLLP12-G03*		3/8	1.31	
PLLP06-G02*		1/4	.63		PLLP10-G01*		1/8	.87		PLLP12-G04*		1/2	1.57	
PLLP06-G03*		3/8	.85		PLLP10-G02*		1/4	.91						

* Non-stock item, subject to change, call for availability.

Swivel Female Elbow - PLF



Inch Tube NPT Thread



*Actual dimensions for above diagram available upon request



Metric Tube BSPT(R) Thread



Metric Tube BSPP(G) Thread

MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ	Bag QTY	MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ	Bag QTY	MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ	Bag QTY
PLF5/32-U	5/32	10-32	.28	10	PLF1/4-U*	1/4	10-32	.42	10	PLF5/16-N3*	5/16	3/8	1.02	5
PLF5/32-N1		1/8	.56		PLF1/4-N1		1/8	.74		PLF3/8-N2	3/8	1/4	1.31	
PLF5/32-N2		1/4	.71		PLF1/4-N2		1/4	.81		PLF3/8-N3		3/8	1.16	
PLF3/16-U*	3/16	10-32	.28	10	PLF1/4-N3	5/16	3/8	.88	5	PLF3/8-N4		1/2	1.45	
PLF3/16-N1*		1/8	.55		PLF5/16-N1*		1/8	.67		PLF1/2-N3	1/2	3/8	2.05	
PLF3/16-N2*		1/4	.70		PLF5/16-N2*		1/4	.92		PLF1/2-N4		1/2	2.68	
MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY
PLF04-M5	4mm	M5	.28	10	PLF06-02	6mm	1/4	.81	10	PLF10-01	10mm	1/8	1.19	5
PLF04-M6*		M6	.42		PLF06-03		3/8	.88		PLF10-02		1/4	1.31	
PLF04-01		1/8	.56		PLF06-04*		1/2	1.31		PLF10-03		3/8	1.45	
PLF04-02		1/4	.71		PLF08-01	8mm	1/8	.67	5	PLF10-04	12mm	1/2	1.73	
PLF06-M5	6mm	M5	.42	10	PLF08-02		1/4	.92		PLF12-02		1/4	2.05	
PLF06-M6		M6	.74		PLF08-03		3/8	1.02		PLF12-03		3/8	2.68	
PLF06-01		1/8	.81		PLF08-04	10mm	1/2	1.13	5	PLF12-04		1/2	1.80	
MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ	Bag QTY
PLF04-G01*	4mm	1/8	.53	10	PLF08-G01*	8mm	1/8	.71	10	PLF10-G03	10mm	3/8	1.45	5
PLF04-G02*		1/4	.74		PLF08-G02		1/4	.92		PLF10-G04*		1/2	1.59	
PLF06-G01*	6mm	1/8	.64	10	PLF08-G03*		3/8	1.02	5	PLF12-G02*	12mm	1/4	1.73	
PLF06-G02*		1/4	.81		PLF08-G04*		1/2	1.45		PLF12-G03*		3/8	1.80	
PLF06-G03*		3/8	.88		PLF10-G01*		1/8	1.20		PLF12-G04*		1/2	1.80	
					PLF10-G02		1/4	1.13						

* Non-stock item, subject to change, call for availability.

Male Elbow 45 Degree - PL45



Inch Tube NPT Thread



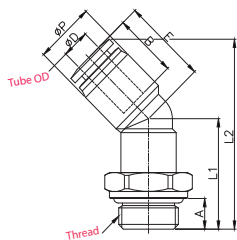
Inch Tube BSPT(R) Thread



Metric Tube BSPT(R) Thread



Metric Tube BSPP(G) Thread



*Actual dimensions for above diagram available upon request

MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ	Bag QTY	MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ	Bag QTY	MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ	Bag QTY
PL45 5/32-U	5/32	10-32	0.28	10	PL45 1/4-N3	1/4	3/8	1.16	10	PL45 3/8-N2	3/8	1/4	1.02	10
PL45 5/32-N1		1/8	0.35		PL45 5/16-N1	1/8	0.64	PL45 3/8-N3		3/8		1.20		
PL45 5/32-N2		1/4	0.60		PL45 5/16-N2	1/4	0.81	PL45 3/8-N4		1/2		1.91	5	
PL45 1/4-U	1/4	10-32	0.42		PL45 5/16-N3	3/8	1.27	PL45 1/2-N2	1/4	1.31				
PL45 1/4-N1		1/8	0.53		PL45 5/16-N4*	1/2	1.98	PL45 1/2-N3	1/2	1.62				
PL45 1/4-N2		1/4	0.71		PL45 3/8-N1	3/8	1/8	0.88	PL45 1/2-N4	1/2	2.26			
MODEL (inch)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY
PL45 1/4-01	1/4	1/8	0.53	10	PL45 5/16-03	5/16	3/8	0.88	10	PL45 1/2-02	1/2	1/4	1.31	5
PL45 1/4-02		1/4	0.71		PL45 3/8-01	1/8	0.88	PL45 1/2-03		3/8		1.62		
PL45 1/4-03		3/8	1.16		PL45 3/8-02	1/4	1.02	PL45 1/2-04		1/2		2.26		
PL45 5/16-01	5/16	1/8	0.64		PL45 3/8-03	3/8	1.20							
PL45 5/16-02		1/4	0.81		PL45 3/8-04	1/2	1.91	5						
MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ		Bag QTY	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ
PL45 04M5N	4mm	M5	0.28	10	PL45 0602N	6mm	1/4	0.71	10	PL45 1001N	10mm	1/8	0.88	10
PL45 04M6N		M6	0.28		PL45 0603N		3/8	1.16		PL45 1002N		1/4	1.02	
PL45 0401N		1/8	0.35		PL45 0604N		1/2	1.87		PL45 1003N		3/8	1.20	
PL45 0402N		1/4	0.60		PL45 0801N	1/8	0.64	PL45 1004N		1/2	1.91			
PL45 0403N		3/8	1.13		PL45 0802N	1/4	0.81	PL45 1201N		1/8	1.06			
PL45 06M5N	6mm	M5	0.42		PL45 0803N	3/8	1.27	PL45 1202N		1/4	1.31	5		
PL45 06M6N		M6	0.42		PL45 0804N	1/2	1.98	PL45 1203N	3/8	1.62				
PL45 0601N		1/8	0.53							PL45 1204N	1/2		2.26	
MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread BSPP(G)	1.02	1.02	MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ	Bag QTY
PL45 04G01	4mm	1/8	0.35	10	PL45 08G01	8mm	1/8	0.64	10	PL45 10G03	10mm	3/8	1.20	10
PL45 04G02		1/4	0.60		PL45 08G02		1/4	0.81		PL45 10G04		1/2	1.91	
PL45 04G03		3/8	1.13		PL45 08G03		3/8	1.27		PL45 12G02	12mm	1/4	1.31	5
PL45 06G01	1/8	0.53	PL45 08G04		1/2		1.98	PL45 12G03		3/8		1.62		
PL45 06G02	6mm	1/4	0.71		PL45 10G01	10mm	1/8	0.88		PL45 12G04		1/2	2.26	
PL45 06G03		3/8	1.16		PL45 10G02		1/4	1.02						

Swivel Male Branch Tee - PT



Inch Tube NPT Thread



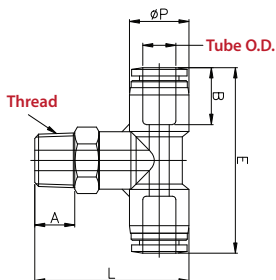
Inch Tube BSPT(R) Thread



Metric Tube BSPT(R) Thread



Metric Tube BSPP(G) Thread



*Actual dimensions for above diagram available upon request

MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ	Bag QTY	MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ	Bag QTY	MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ	Bag QTY
PT5/32-U	5/32	10-32	.35	10	PT1/4-U	1/4	10-32	.53	10	PT3/8-N1	3/8	1/8	1.27	5
PT5/32-N1		1/8	.42		PT1/4-N1		1/8	.60		PT3/8-N2		1/4	1.41	
PT5/32-N2		1/4	.56		PT1/4-N2		1/4	.81		PT3/8-N3		3/8	1.59	
PT3/16-U	3/16	10-32	.35	10	PT1/4-N3		3/8	.15		PT3/8-N4		1/2	2.12	
PT3/16-N1		1/8	.42		PT5/16-N1	5/16	1/8	.81	5	PT1/2-N2	1/2	1/4	1.66	10
PT3/16-N2		1/4	.56		PT5/16-N2		1/4	.95		PT1/2-N3		3/8	1.98	
PT3/16-N3*		3/8	.71		PT5/16-N3*		3/8	1.09		PT1/2-N4		1/2	2.68	
					PT5/16-N4*		1/2	1.8						
MODEL (inch)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY	MODEL (inch)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY	MODEL (inch)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY
PT1/4-01	1/4	1/8	.32	10	PT5/16-03*	5/16	3/8	1.07	10	PT1/2-02*	1/2	1/4	1.59	10
PT1/4-02*		1/4	.79		PT3/8-01*		1/8	1.21		PT1/2-03*		3/8	1.91	
PT1/4-03*		3/8	1.5		PT3/8-02*	3/8	1/4	1.36		PT1/2-04		1/2	2.61	
PT5/16-01*	5/16	1/8	.79	10	PT3/8-03*		3/8	1.53						
PT5/16-02*		1/4	.93		PT3/8-04*		1/2	2.06						
MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY
PT04-M5	4mm	M5	.35	10	PT06-03	6mm	3/8	1.52	10	PT10-04	10mm	1/2	2.12	5
PT04-M6*		M6	.35		PT06-04*		1/2	1.62		PT12-01		1/8	1.34	
PT04-01		1/8	.39		PT08-01	8mm	1/8	.81		PT12-02	12mm	1/4	1.66	
PT04-02		1/4	.56		PT08-02		1/4	.95		PT12-03		3/8	1.98	
PT04-03	6mm	3/8	1.41	10	PT08-03		3/8	1.09		PT12-04		1/2	2.68	3
PT06-M5		M5	.53		PT08-04	10mm	1/2	1.8	5	PT16-03	16mm	3/8	2.72	
PT06-M6		M6	.53		PT10-01		1/8	1.27		PT16-04		1/2	3.42	
PT06-01		1/8	.60		PT10-02		1/4	1.41						
PT06-02		1/4	.81		PT10-03		3/8	1.45						
MODEL (metric)	Tube O.D.	Thread M	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread M	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread M	Weight OZ	Bag QTY
PT06-M12*	6mm	M12	.76	10	PT08-M22*	8mm	M22	1.44	5	PT12-M12*	12mm	M12	1.55	5
PT06-M16*		M16	.82		PT10-M12*		M12	1.02		PT12-M14*		M14	1.73	
PT08-M12*	8mm	M12	.89		PT10-M16*	10mm	M16	1.10		PT12-M16*		M16	1.46	
PT08-M16*		M16	.96		PT10-M22*		M22	1.49		PT12-M22*		M22	1.89	
MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ	Bag QTY
PT04-G01*	4mm	1/8	.39	10	PT08-G02	8mm	1/4	.95	10	PT12-G02*	12mm	1/4	1.66	5
PT04-G02*		1/4	.56		PT08-G03		3/8	1.09		PT12-G03		3/8	1.98	
PT04-G03*		3/8	1.41		PT08-G04*		1/2	1.80		PT12-G04*		1/2	2.68	
PT06-G01	6mm	1/8	.60		PT10-G01	10mm	1/8	1.27	5	PT16-G03	16mm	3/8	2.72	3
PT06-G02		1/4	.81		PT10-G02		1/4	1.41		PT16-G04		1/2	3.42	
PT06-G03*		3/8	1.52		PT10-G03		3/8	1.45						
PT08-G01	8mm	1/8	.81		PT10-G04*		1/2	2.12						

* Non-stock item, subject to change, call for availability.

Swivel Male Run Tee - PST



Inch Tube NPT Thread



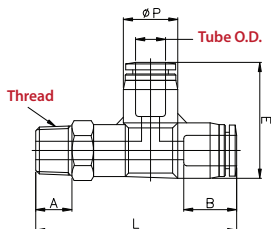
Inch Tube BSPT(R) Thread



Metric Tube BSPT(R) Thread



Metric Tube BSPP(G) Thread



*Actual dimensions for above diagram available upon request

MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ	Bag QTY	MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ	Bag QTY	MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ	Bag QTY
PST5/32-U	5/32	10-32	.34	10	PST1/4-U*	1/4	10-32	.53	10	PST3/8-N1	3/8	1/8	1.27	5
PST5/32-N1		1/8	.42		PST1/4-N1		1/8	.60		PST3/8-N2		1/4	1.41	
PST5/32-N2		1/4	.56		PST1/4-N2		1/4	.81		PST3/8-N3		3/8	1.59	
PST3/16-U*	3/16	10-32	.35		PST1/4-N3	5/16	3/8	1.52		PST3/8-N4	1/2	1/2	2.12	
PST3/16-N1		1/8	.42		PST5/16-N1*		1/8	.81		PST1/2-N2		1/4	1.66	
PST3/16-N2		1/4	.56		PST5/16-N2		1/4	.95		PST1/2-N3		3/8	1.98	
PST3/16-N3*		3/8	.71		PST5/16-N3*		3/8	1.09		PST1/2-N4		1/2	2.68	
					PST5/16-N4*		1/2	1.80	5					
MODEL (inch)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY	MODEL (inch)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY	MODEL (inch)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY
PST1/4-01*	1/4	1/8	.58	10	PST5/16-02*	5/16	1/4	.93	10	PST3/8-04*	3/8	1/2	2.06	5
PST1/4-02*		1/4	.79		PST5/16-03*		3/8	1.07		PST1/2-02*		1/4	1.59	
PST1/4-03*		3/8	1.50		PST3/8-02*	3/8	1/4	1.36	5	PST1/2-03*	1/2	3/8	1.91	
PST5/16-01*	5/16	1/8	.79		PST3/8-03*		3/8	1.53		PST1/2-04*		1/2	2.61	
MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY
PST04-M5	4mm	M5	.35	10	PST06-01	6mm	1/8	.63	10	PST10-01	10mm	1/8	1.06	5
PST04-M6*		M6	.35		PST06-02		1/4	.71		PST10-02		1/4	1.27	
PST04-01		1/8	.42		PST06-03		3/8	1.06		PST10-03		3/8	1.41	
PST04-02		1/4	.63		PST06-04*		1/2	1.98	5	PST10-04		1/2	2.12	
PST04-03*	6mm	3/8	.71		PST08-01	8mm	1/8	.81	10	PST12-01*	12mm	1/8	1.80	
PST06-M5		M5	.53		PST08-02		1/4	.99		PST12-02		1/4	2.12	
PST06-M6*		M6	.53		PST08-03		3/8	1.23		PST12-03		3/8	2.32	
					PST08-04		1/2	1.83	5	PST12-04		1/2	2.61	
MODEL (metric)	Tube O.D.	Thread M	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread M	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread M	Weight OZ	Bag QTY
PST06-M12*	6mm	M12	.78	10	PST08-M22*	8mm	M22	1.58	10	PST12-M12*	12mm	M12	1.54	5
PST06-M16*		M16	.84		PST10-M12*		M12	1.01		PST12-M14*		M14	1.70	
PST08-M12*	8mm	M12	.92		PST10-M16*	10mm	M16	1.14	5	PST12-M16*		M16	1.49	
PST08-M16*		M16	.97		PST10-M22*		M22	1.52		PST12-M22*		M22	1.96	
MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ	Bag QTY
PST04-G01*	4mm	1/8	.42	10	PST08-G01	8mm	1/8	.81	10	PST10-G03	10mm	3/8	1.41	5
PST04-G02*		1/4	.63		PST08-G02		1/4	.99		PST10-G04*		1/2	2.12	
PST04-G03*		3/8	.71		PST08-G03		3/8	1.23		PST12-G02*	12mm	1/4		
PST06-G01	6mm	1/8	.63		PST08-G04*	10mm	1/2	1.83	5	PST12-G03*		3/8	2.31	
PST06-G02		1/4	.71		PST10-G01*		1/8	1.06		PST12-G04*	1/2			
PST06-G03*		3/8	1.06		PST10-G02*		1/4	1.27						

* Non-stock item, subject to change, call for availability.

Swivel Female Branch Tee - PTF



* Non-stock item, subject to change, call for availability.

Swivel MALE “Y” - PWT



Inch Tube NPT Thread



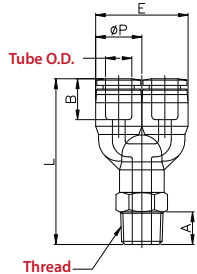
Inch Tube BSPT(R) Thread



Metric Tube BSPT(R) Thread



Metric Tube BSPP(G) Thread



*Actual dimensions for above diagram available upon request

MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ	Bag QTY	MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ	Bag QTY	MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ	Bag QTY
PWT5/32-U	5/32	10-32	.39	10	PWT1/4-U*	1/4	10-32	.56	10	PWT3/8-N1	3/8	1/8	1.06	5
PWT5/32-N1		1/8	.42		PWT1/4-N1		1/8	.67		PWT3/8-N2		1/4	1.34	
PWT5/32-N2		1/4	.63		PWT1/4-N2		1/4	.71		PWT3/8-N3		3/8	1.41	
PWT3/16-U*	3/16	10-32	.39	10	PWT1/4-N3	5/16	3/8	1.13	5	PWT3/8-N4	1/2	1/2	2.12	5
PWT3/16-N1*		1/8	.42		PWT5/16-N1*		1/8	.71		PWT1/2-N2*		1/4	2.47	
PWT3/16-N2*		1/4	.63		PWT5/16-N2*		1/4	1.02		PWT1/2-N3		3/8	2.82	
PWT3/16-N3*		3/8	.71		PWT5/16-N3*		3/8	1.06		PWT1/2-N4		1/2		
					PWT5/16-N4*		1/2	1.76	5					
MODEL (inch)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY	MODEL (inch)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY	MODEL (inch)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY
PWT1/4-01	1/4	1/8	.65	10	PWT5/16-02*	5/16	1/4	1.00	10	PWT3/8-04*	3/8	1/2	2.06	5
PWT1/4-02*		1/4	.68		PWT5/16-03*		3/8	1.04		PWT1/2-02*		1/4	2.05	
PWT1/4-03*		3/8	1.11		PWT3/8-02*		1/4	1.28		PWT1/2-03*		3/8	2.40	
PWT5/16-01*	5/16	1/8	.68		PWT3/8-03*	3/8	3/8	1.36	5	PWT1/2-04*		1/2	2.75	
MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY
PWT04-M5	4mm	M5	.39	10	PWT06-02	6mm	1/4	.71	10	PWT10-01	10mm	1/8	1.06	5
PWT04-M6*		M6	.42		PWT06-03*		3/8	1.13		PWT10-02		1/4	1.34	
PWT04-01		1/8	.63		PWT06-04*		1/2	1.94	5	PWT10-03		3/8	1.41	
PWT04-02	6mm	1/4	.71	10	PWT08-01	8mm	1/8	.71	10	PWT10-04	12mm	1/2	2.12	5
PWT04-03		3/8	.56		PWT08-02		1/4	1.06		PWT12-01*		1/8	1.91	
PWT06-M5		M5	.67		PWT08-03		3/8	1.76	5	PWT12-02		1/4	2.12	
PWT06-M6		M6			PWT08-04		1/2			PWT12-03		3/8	2.68	
PWT06-01		1/8								PWT12-04		1/2		
MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ	Bag QTY
PWT04-G01*	4mm	1/8	.42	10	PWT06-G04*	6mm	1/2	1.41	5	PWT10-G02*	10mm	1/4	1.34	5
PWT04-G02*		1/4	.63		PWT08-G01*		1/8	.71		PWT10-G03*		3/8	1.41	
PWT04-G03*		3/8	.71		PWT08-G02*		1/4	1.06		PWT10-G04*		1/2	2.12	
PWT06-G01	6mm	1/8	.67	10	PWT08-G03*	8mm	3/8	1.76	5	PWT12-G02*	12mm	1/4	2.12	5
PWT06-G02*		1/4	.71		PWT08-G04*		1/2	1.76		PWT12-G03*		3/8	2.68	
PWT06-G03*		3/8	.13		PWT10-G01*		1/8	1.06		PWT12-G04*		1/2		

* Non-stock item, subject to change, call for availability.

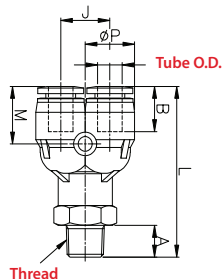
Swivel Male Double “Y” - PXT



Metric Tube BSPT(R) Thread



Metric Tube BSPP(G) Thread

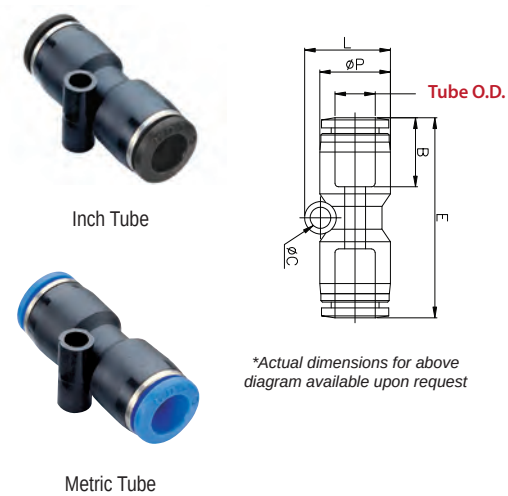


*Actual dimensions for above diagram available upon request

MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY
PXT04-01*	4mm	1/8	.71	10	PXT06-01*	6mm	1/8	.88	5
PXT04-02*		1/4	.88		PXT06-02*		1/4	.95	
MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ	Bag QTY
PXT04-G01*	4mm	1/8	.74	10	PXT06-G01*	6mm	1/8	.92	5
PXT04-G02*		1/4	.92		PXT06-G02*		1/4	1.02	

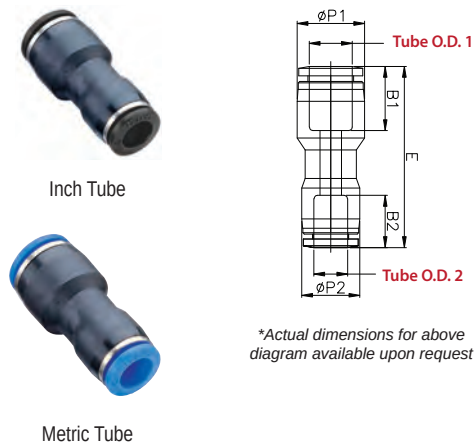
* Non-stock item, subject to change, call for availability.

Union Straight - PUC



MODEL (inch)	Tube O.D.	Weight OZ	Bag QTY	MODEL (inch)	Tube O.D.	Weight OZ	Bag QTY
PUC5/32	5/32	.14	10	PUC5/16	5/16	.31	10
PUC3/16	3/16			PUC3/8	3/8	.52	
PUC1/4	1/4			PUC1/2	1/2	.74	5
MODEL (metric)	Tube O.D.	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Weight OZ	Bag QTY
PUC04	4mm	.14	10	PUC12	12mm	.74	5
PUC06	6mm	.24		PUC14	14mm	1.05	
PUC08	8mm	.31		PUC16	16mm	1.23	
PUC10	10mm	.52					

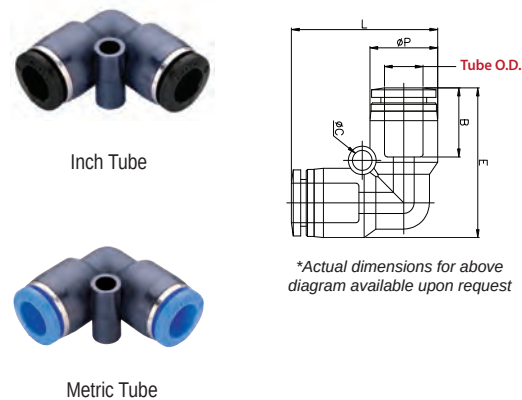
Union Reducer - PG



MODEL (inch)	Tube O.D.1	Tube O.D.2	Weight OZ	Bag QTY	MODEL (inch)	Tube O.D.1	Tube O.D.2	Weight OZ	Bag QTY
PG3/16-5/32	3/16	5/32	.21	10	PG5/16-1/4	5/16	1/4	.28	10
PG1/4-5/32	1/4	3/16			PG3/8-1/4	3/8	5/16	.42	
PG1/4-3/16					PG3/8-5/16			.63	5
PG5/16-5/32*	5/16	5/32	.23		PG1/2-3/8	1/2	3/8		
MODEL (metric)	Tube O.D.1	Tube O.D.2	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.1	Tube O.D.2	Weight OZ	Bag QTY
PG0604	6mm	4mm	.21	10	PG1208	12mm	8mm	.42	10
PG0804	8mm				PG1210		10mm	.63	
PG0806		6mm	.28		PG1412*	14mm	12mm	.74	5
PG1006	10mm	8mm	.42		PG1612	16mm		.98	

* Non-stock item, subject to change, call for availability.

Union Elbow - PUL



MODEL (inch)	Tube O.D.	Weight OZ	Bag QTY	MODEL (inch)	Tube O.D.	Weight OZ	Bag QTY
PUL5/32	5/32	.17	10	PUL5/16	5/16	.35	10
PUL3/16	3/16			PUL3/8	3/8	.56	
PUL1/4	1/4	.28		PUL1/2	1/2	.84	5
MODEL (metric)	Tube O.D.	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Weight OZ	Bag QTY
PUL04	4mm	.17	10	PUL12	12mm	.84	5
PUL06	6mm	.28		PUL14	14mm	1.05	
PUL08	8mm	.35		PUL16	16mm	1.34	
PUL10	10mm	.56					

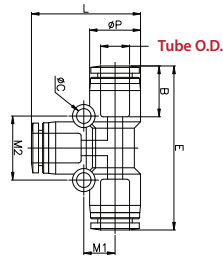
Union Tee - PUT



Inch Tube



Metric Tube



*Actual dimensions for above diagram available upon request

MODEL (inch)	Tube O.D.	Weight OZ	Bag QTY	MODEL (inch)	Tube O.D.	Weight OZ	Bag QTY
PUT5/32	5/32	.24	10	PUT5/16	5/16	.49	10
PUT3/16	3/16			PUT3/8	3/8	.77	5
PUT1/4	1/4	.38		PUT1/2	1/2	1.19	
MODEL (metric)	Tube O.D.	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Weight OZ	Bag QTY
PUT04	4mm	.24	10	PUT12	12mm	1.19	5
PUT06	6mm	.38		PUT14	14mm	1.76	
PUT08	8mm	.49		PUT16	16mm	1.94	
PUT10	10mm	.77	5				

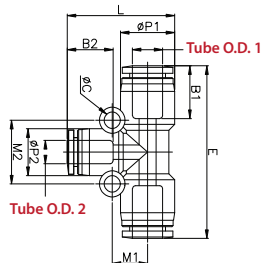
Union Reducer Tee - PGT



Inch Tube



Metric Tube BSPT



*Actual dimensions for above diagram available upon request

MODEL (inch)	Tube O.D.1	Tube O.D.2	Weight OZ	Bag QTY	MODEL (inch)	Tube O.D.1	Tube O.D.2	Weight OZ	Bag QTY
PGT1/4-5/32	1/4	5/32	.31	10	PGT 5/32 -1/4*	5/32	1/4	.31	5
PGT5/16-1/4*	5/16	1/4	.42		PGT 1/4 -5/16*	1/4	5/16	.42	
PGT3/8-1/4	3/8	5/16	.67		PGT 5/16 -3/8*	5/16	3/8	.71	
PGT3/8-5/16*		5/16	.71	5	PGT 3/8-1/2*	3/8	1/2	.98	
PGT1/2-3/8	1/2	3/8	.98						
MODEL (metric)	Tube O.D.1	Tube O.D.2	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.1	Tube O.D.2	Weight OZ	Bag QTY
PGT0604	6mm	4mm	.38	10	PGT1610	16mm	10mm	1.76	3
PGT0804*	8mm	6mm	.49		PGT1612		12mm		
PGT0806		6mm	.77		PGT0406*	4mm	6mm	.38	5
PGT1006	10mm	8mm	1.12	5	PGT0608*	6mm	8mm	.49	
PGT1008		8mm	1.19		PGT0810*	8mm	10mm	.77	
PGT1208	12mm	10mm			PGT1012*	10mm	12mm	1.19	

* Non-stock item, subject to change, call for availability.

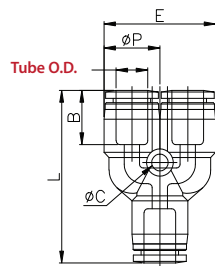
Union "Y" - PY



Inch Tube



Metric Tube



*Actual dimensions for above diagram available upon request

MODEL (inch)	Tube O.D.	Weight OZ	Bag QTY	MODEL (inch)	Tube O.D.	Weight OZ	Bag QTY
PY5/32	5/32	.28	10	PY5/16	5/16	.49	10
PY3/16*	3/16			PY3/8	3/8	.35	5
PY1/4	1/4	.35		PY1/2	1/2	.49	
MODEL (metric)	Tube O.D.	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Weight OZ	Bag QTY
PY04	4mm	.28	10	PY10	10mm	.77	5
PY06	6mm	.35		PY12	12mm	1.09	
PY08	8mm	.49		PY14*	14mm	1.62	

* Non-stock item, subject to change, call for availability.

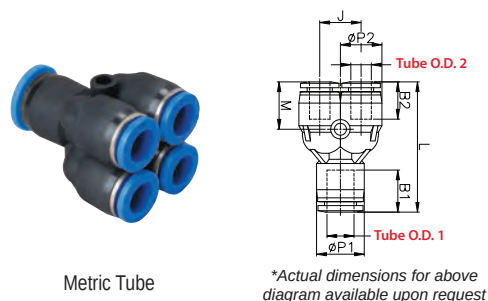
Union Reducer “Y” - PW



MODEL (inch)	Tube O.D.1	Tube O.D.2	Weight OZ	Bag QTY	MODEL (inch)	Tube O.D.1	Tube O.D.2	Weight OZ	Bag QTY
PW3/16-5/32*	3/16	5/32	.31	10	PW3/8-1/4	3/8	1/4	.63	10
PW1/4-5/32	1/4	3/16			PW3/8-5/16*		5/16	.65	5
PW1/4-3/16*					PW1/2-5/16*	1/2		3/8	
PW5/16-5/32*	5/16	5/32			.33	PW1/2-3/8			
PW5/16-1/4*		1/4	.45						
MODEL (metric)	Tube O.D.1	Tube O.D.2	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.1	Tube O.D.2	Weight OZ	Bag QTY
PW0604	6mm	4mm	.31	10	PW1008	10mm	8mm	.63	10
PW0804*	8mm	6mm	.35		PW1208	12mm		.59	5
PW0806			PW1210		10mm				
PW1006	10mm		.45		PW1612*	16mm	12mm	1.19	
* Non-stock item, subject to change, call for availability.									

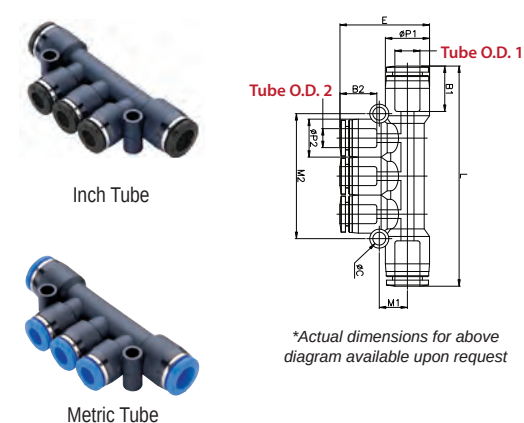
* Non-stock item, subject to change, call for availability.

Union Reducer Double Y - PXG



MODEL (metric)	Tube O.D.1	Tube O.D.2	Weight OZ	Bag QTY
PXG0604	6mm	4mm	.46	10
PXG0806	8mm	6mm	.64	5

Union Reducer Triple Branch - PKG



MODEL (inch)	Tube O.D.1	Tube O.D.2	Weight OZ	Bag QTY	MODEL (inch)	Tube O.D.1	Tube O.D.2	Weight OZ	Bag QTY
PKG3/16-5/32*	3/16	5/32	.85	5	PKG5/16-1/4*	5/16	1/4	1.72	5
PKG1/4-5/32	1/4	3/16			PKG3/8-1/4	3/8	5/16		
PKG5/16-5/32*	5/16	1/4			PKG3/8-5/16*			1.88	5
PKG5/16-3/16*		3/16							
MODEL (metric)	Tube O.D.1	Tube O.D.2	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.1	Tube O.D.2	Weight OZ	Bag QTY
PKG0604	6mm	4mm	.56	5	PKG1006*	10mm	6mm	.88	5
PKG0804*	8mm	6mm			PKG1008		8mm		
PKG0806									

* Non-stock item, subject to change, call for availability.

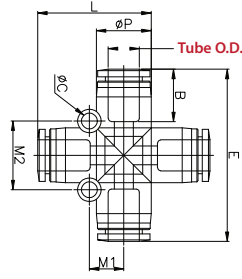
Union Cross - PZA



Inch Tube



Metric Tube



*Actual dimensions for above diagram available upon request

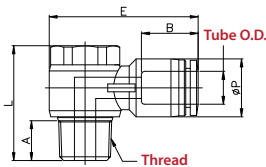
MODEL (inch)	Tube O.D.	Weight OZ	Bag QTY	MODEL (inch)	Tube O.D.	Weight OZ	Bag QTY
PZA5/32	5/32	.32	10	PZA5/16	5/16	.64	5
PZA3/16*	3/16	.28		PZA3/8	3/8	.95	
PZA1/4	1/4	.38		PZA1/2	1/2	1.31	
MODEL (metric)	Tube O.D.	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Weight OZ	Bag QTY
PZA04	4mm	.32	10	PZA10	10mm	.85	5
PZA06	6mm	.42		PZA12	12mm	1.41	
PZA08	8mm	.64	5				

* Non-stock item, subject to change, call for availability.

Swivel Male Banjo Fitting - PH



Inch Tube NPT Thread



*Actual dimensions for above diagram available upon request



Inch Tube BSPT(R) Thread



Metric Tube BSPT(R) Thread



Metric Tube BSPP(G) Thread

MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ	Bag QTY	MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ	Bag QTY	MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ	Bag QTY
PH1/8-U	1/8	10-32	.25	10	PH1/4-U	1/4	10-32	.32	10	PH3/8-N2	3/8	1/4	2.12	5
PH5/32-U	5/32		.28		PH1/4-N1		1/8	.85		PH3/8-N3		3/8	2.47	
PH5/32-N1*		1/8	.85		PH1/4-N2		1/4	1.27		PH3/8-N4*		1/2	3.53	
PH5/32-N2	1/4	1.05	PH1/4-N3*		3/8		1.58	PH1/2-N2		1/4		2.19		
PH3/16-U*	3/16	10-32	.28		PH5/16-N1	1/8	1.23	PH1/2-N3*	1/2	3/8	2.33			
PH3/16-N1*		1/8	.85		PH5/16-N2*	1/4	1.31	PH1/2-N4	1/2	3.88				
PH3/16-N2*		1/4	1.06		PH5/16-N3*	3/8	2.12							
PH3/16-N3*		3/8	1.41		PH5/16-N4*	1/2	3.38							
MODEL (inch)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY	MODEL (inch)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY	MODEL (inch)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY
PH1/4-M5*	1/4	M5	.31	10	PH5/16-01*	5/16	1/8	1.22	10	PH3/8-02*	3/8	1/4	2.09	5
PH1/4-01		1/8	.84		PH5/16-02*		1/4	1.30		PH3/8-03*		3/8	3.15	
PH1/4-02*		1/4	1.26		PH5/16-03*		3/8	2.11	5					
MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY
PH04-M5	4mm	M5	.28	10	PH06-02*	6mm	1/4	.95	10	PH10-01	10mm	1/8	.60	5
PH04-M6*		M6	.32		PH06-03*		3/8	1.69	5	PH10-02		1/4	1.13	
PH04-01		1/8	.53		PH06-04*		1/2	2.61	10	PH10-03		3/8	1.80	
PH04-02*		1/4	.95		PH08-01	1/8	.60	PH10-04*		1/2		2.75		
PH06-M5	6mm	M5	.32		PH08-02	8mm	1/4	.99	5	PH12-02	12mm	1/4	1.24	
PH06-M6*		M6	.35		PH08-03		3/8	1.76		PH12-03*		3/8	1.87	
PH06-01		1/8	.56		PH08-04*		1/2	2.72	5	PH12-04*		1/2	2.89	
MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ		Bag QTY	MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ
PH04-G01	4mm	1/8	.85	10	PH08-G01	8mm	1/8	1.23	10	PH10-G02	10mm	1/4	2.12	5
PH04-G02*		1/4	.99		PH08-G02		1/4	1.31		PH10-G03		3/8	2.47	
PH06-G01	6mm	1/8	.56		PH08-G03*	3/8	2.12	5	PH10-G04*	1/2	3.53			
PH06-G02		1/4	1.27		PH08-G04	1/2	2.46		PH12-G03*	3/8	2.82			
PH06-G03*		3/8	1.59	5				PH12-G04*	1/2	3.70				

* Non-stock item, subject to change, call for availability.

Swivel Female Banjo Fitting - PHF



Inch Tube NPT Thread



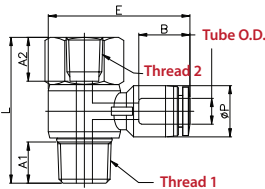
Inch Tube BSPT(R) Thread



Metric Tube BSPT(R) Thread



Metric Tube BSPP(G) Thread



*Actual dimensions for above diagram available upon request

MODEL (inch)	Tube O.D.	Thread NPT1 & 2	Weight OZ	Bag QTY	MODEL (inch)	Tube O.D.	Thread NPT1 & 2	Weight OZ	Bag QTY	MODEL (inch)	Tube O.D.	Thread NPT1 & 2	Weight OZ	Bag QTY
PHF1/8-U*	1/8	10-32	.25	10	PHF1/4-U*	1/4	10-32	.28	10	PHF5/16-N4*	5/16	1/2	3.38	5
PHF5/32-U*	5/32		.28		PHF1/4-N1*		1/8	.71		PHF3/8-N2*	3/8	1/4	1.41	
PHF5/32-N1*	1/8	.67	PHF1/4-N2*		1/4		1.20	PHF3/8-N3*		3/8		2.29		
PHF3/16-U*	10-32	.27	PHF1/4-N3*		3/8		1.65	PHF3/8-N4*		1/2		3.43		
PHF3/16-N1*	1/8	.66	PHF5/16-N1*		1/8	.78	PHF1/2-N2*	1/4	1.48					
PHF3/16-N2*	1/4	1.12	PHF5/16-N2*	5/16	1/4	1.23	PHF1/2-N3*	3/8	2.40					
PHF3/16-N3*	3/8	1.40	PHF5/16-N3*		3/8	2.11	5	PHF1/2-N4*	1/2	3.49				
MODEL (inch)	Tube O.D.	Thread BSPT(R)1 & 2	Weight OZ	Bag QTY	MODEL (inch)	Tube O.D.	Thread BSPT(R)1 & 2	Weight OZ	Bag QTY	MODEL (inch)	Tube O.D.	Thread BSPT(R)1 & 2	Weight OZ	Bag QTY
PHF1/4-M5*	1/4	M5	.31	10	PHF5/16-01*	5/16	1/8	.77	10	PHF3/8-02*	3/8	1/4	1.38	5
PHF1/4-01*		1/8	.70		PHF5/16-02*		1/4	1.22		PHF3/8-03*		3/8	2.27	
PHF1/4-02*		1/4	1.19		PHF5/16-03*		3/8	2.11		5				
MODEL (metric)	Tube O.D.	Thread BSPT(R)1 & 2	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread BSPT(R)1 & 2	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread BSPT(R)1 & 2	Weight OZ	Bag QTY
PHF04-M5*	4mm	M5	.28	10	PHF06-01*	6mm	1/8	.71	10	PHF08-04*	8mm	1/2	3.00	5
PHF04-M6*		M6	.56		PHF06-02*		1/4	1.20		PHF10-01*	10mm	1/8	1.06	
PHF04-01*		1/8	.67		PHF06-03*		3/8	1.59	PHF10-02*	1/4		1.41		
PHF04-02*		1/4	.88		PHF06-04*	1/2	2.29	PHF10-03*	3/8	2.29				
PHF06-M5*	6mm	M5	.32	10	PHF08-01*	8mm	1/8	.77	10	PHF10-04*	12mm	1/2	3.03	
PHF06-M6*		M6	.56		PHF08-02*		1/4	1.23		PHF12-02*		1/4	1.94	
								PHF08-03*	3/8	2.11	5	PHF12-03*		
MODEL (metric)	Tube O.D.	Thread BSPP(G)1 & 2	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread BSPP(G)1 & 2	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread BSPP(G)1 & 2	Weight OZ	Bag QTY
PHF04-G01*	4mm	1/8	.78	10	PHF06-G04*	6mm	1/2	2.68	5	PHF10-G03*	10mm	3/8	2.29	5
PHF04-G02*		1/4	1.38		PHF08-G01*	8mm	1/8	.92	10	PHF10-G04*		1/2	2.82	
PHF04-G03*		3/8	2.12		PHF08-G02*		1/4	1.41		PHF12-G02*	12mm	1/4	1.55	
PHF04-G04*		1/2	2.65		PHF08-G03*		3/8	2.19	PHF12-G03*	3/8		2.40		
PHF06-G01*	6mm	1/8	.78	10	PHF08-G04*	10mm	1/2	2.75	5	PHF12-G04*		1/2	3.18	
PHF06-G02*		1/4	1.38		PHF10-G01*		1/8	.95						
PHF06-G03*		3/8	2.15	5	PHF10-G02*		1/4	1.55						
* Non-stock item, subject to change, call for availability.														

* Non-stock item, subject to change, call for availability.

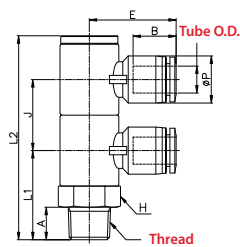
Swivel Double Universal Elbow - PHL (2)



Metric Tube BSPT(R) Thread



Metric Tube BSPP(G) Thread



*Actual dimensions for above diagram available upon request

MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY
PHL04-01(2)*	4mm	1/8	1.26	5	PHL06-03(2)*	6mm	3/8	2.92	5	PHL10-01(2)*	10mm	1/8	1.41	5
PHL04-02(2)*		1/4	1.94		PHL06-04(2)*		1/2	4.19	4	PHL10-02(2)*		1/4	2.08	
PHL04-03(2)*		3/8	2.89		PHL08-01(2)*	8mm	1/8	1.37	5	PHL10-03(2)*		3/8	2.96	
PHL04-04(2)*		1/2	4.16		PHL08-02(2)*		1/4	2.05		PHL10-04(2)*		1/2	4.23	
PHL06-01(2)*	6mm	1/8	1.31	5	PHL08-03(2)*		3/8	2.93		PHL12-02(2)*	12mm	1/4	2.15	3
PHL06-02(2)*		1/4	1.97		PHL08-04(2)*		1/2	4.19	4	PHL12-03(2)*		3/8	3.03	
										PHL12-04(2)*		1/2	4.30	
MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ	Bag QTY
PHL04-G01(2)*	4mm	1/8	1.86	5	PHL06-G03(2)*	6mm	3/8	3.17	5	PHL10-G01(2)*	10mm	1/8	2.05	5
PHL04-G02(2)*		1/4	2.39		PHL06-G04(2)*		1/2	4.12	4	PHL10-G02(2)*		1/4	2.57	
PHL04-G03(2)*		3/8	3.13		PHL08-G01(2)*	8mm	1/8	1.97	5	PHL10-G03(2)*		3/8	3.31	
PHL04-G04(2)*		1/2	4.05		PHL08-G02(2)*		1/4	2.53		PHL10-G04(2)*		1/2	4.23	
PHL06-G01(2)*	6mm	1/8	1.94	5	PHL08-G03(2)*		3/8	3.28		PHL12-G02(2)*	12mm	1/4	2.64	3
PHL06-G02(2)*		1/4	2.46		PHL08-G04(2)*		1/2	4.19	4	PHL12-G03(2)*		3/8	3.38	
										PHL12-G04(2)*		1/2	4.30	

* Non-stock item, subject to change, call for availability.

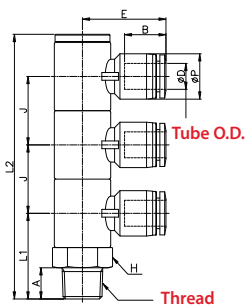
Swivel Triple Universal Elbow - PHL(3)



Metric Tube BSPT(R) Thread



Metric Tube BSPP(G) Thread



*Actual dimensions for above diagram available upon request

MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY
PHL04-01(3)*	4mm	1/8	1.69	5	PHL06-03(3)*	6mm	3/8	4.06	5	PHL10-01(3)*	10mm	1/8	2.08	5
PHL04-02(3)*		1/4	2.68		PHL06-04(3)*		1/2	6.21	4	PHL10-02(3)*		1/4	3.07	
PHL04-03(3)*		3/8	4.13		PHL08-01(3)*	8mm	1/8	1.87	5	PHL10-03(3)*		3/8	4.52	
PHL04-04(3)*		1/2	6.14		PHL08-02(3)*		1/4	3.03		PHL10-04(3)*		1/2	6.49	
PHL06-01(3)*	6mm	1/8	1.76	5	PHL08-03(3)*		3/8	4.27		PHL12-02(3)*	12mm	1/4	3.46	3
PHL06-02(3)*		1/4	2.79		PHL08-04(3)*		1/2	6.24	4	PHL12-03(3)*		3/8	4.83	
										PHL12-04(3)*		1/2	6.84	
MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ	Bag QTY
PHL04-G01(3)*	4mm	1/8	1.58	5	PHL06-G03(3)*	6mm	3/8	3.59	5	PHL10-G01(3)*	10mm	1/8	1.62	5
PHL04-G02(3)*		1/4	2.39		PHL06-G04(3)*		1/2	5.15	4	PHL10-G02(3)*		1/4	2.46	
PHL04-G03(3)*		3/8	3.59		PHL08-G01(3)*	8mm	1/8	1.65	5	PHL10-G03(3)*		3/8	3.63	
PHL04-G04(3)*		1/2	5.11		PHL08-G02(3)*		1/4	2.46		PHL10-G04(3)*		1/2	5.22	
PHL06-G01(3)*	6mm	1/8	1.58	5	PHL08-G03(3)*		3/8	3.63		PHL12-G02(3)*	12mm	1/4	2.57	3
PHL06-G02(3)*		1/4	2.46		PHL08-G04(3)*		1/2	5.18	4	PHL12-G03(3)*		3/8	3.79	
										PHL12-G04(3)*		1/2	5.29	

* Non-stock item, subject to change, call for availability.

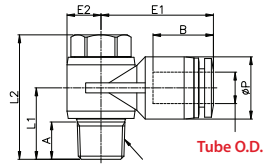
Swivel Branch A - PA



Metric Tube BSPT(R) Thread



Metric Tube BSPP(G) Thread



*Actual dimensions for above diagram available upon request

MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY
PA04-M5*	4mm	M5	.28	10	PA10-03*	10mm	3/8	1.65	5
PA06-01*	6mm	1/8	.56	5	PA12-03*	12mm	1/2	1.94	4
PA08-02*	8mm	1/4	.95		PA12-04*			2.65	
PA10-02*	10mm		1.05						
MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ	Bag QTY
PA06-G01*	6mm	1/8	.56	5	PA10-G03*	10mm	3/8	1.76	5
PA08-G02*	8mm	1/4	.91		PA12-G03*	12mm		1.86	4
PA10-G02*	10mm		.98		PA12-G04*		1/2	2.57	

* Non-stock item, subject to change, call for availability.

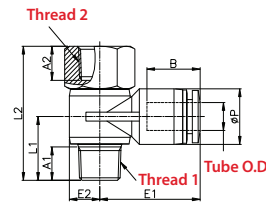
Swivel Female Branch A - PAF



Metric Tube BSPT(R) Thread



Metric Tube BSPP(G) Thread



*Actual dimensions for above diagram available upon request

MODEL (metric)	Tube O.D.	Thread BSPT(R)1 & 2	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread BSPT(R)1 & 2	Weight OZ	Bag QTY
PAF04-M5*	4mm	M5	.28	10	PAF10-02*	10mm	1/4	1.20	5
PAF06-01*	6mm	1/8	.74	5	PAF10-03*		3/8	2.05	
PAF08-02*	8mm	1/4	1.13		PAF12-03*	12mm	1/2	2.40	4
					PAF12-04*			3.17	
MODEL (metric)	Tube O.D.	Thread BSPP(G)1 & 2	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread BSPP(G)1 & 2	Weight OZ	Bag QTY
PAF06-G01*	6mm	1/8	.74	5	PAF10-G03*	10mm	3/8	2.05	5
PAF08-G02*	8mm	1/4	1.13		PAF12-G03*	12mm		2.39	4
PAF10-G02*	10mm		1.20		PAF12-G04*		1/2	3.17	

* Non-stock item, subject to change, call for availability.

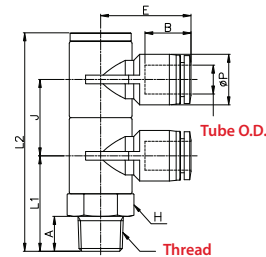
Swivel Double Branch A - PAT(2)



Metric Tube BSPT(R) Thread



Metric Tube BSPP(G) Thread



*Actual dimensions for above diagram available upon request

MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY
PAT04-01(2)*	4mm	1/8	1.26	5	PAT08-03(2)*	8mm	3/8	2.89	
PAT04-02(2)*		1/4	1.94		PAT08-04(2)*		1/2	4.16	
PAT04-03(2)*		3/8	2.89	4	PAT10-01(2)*	10mm	1/8	2.04	3
PAT04-04(2)*		1/2	4.16	3	PAT10-02(2)*		1/4	2.04	
PAT06-01(2)*	6mm	1/8	1.26	5	PAT10-03(2)*		3/8	2.92	
PAT06-02(2)*		1/4	1.94	4	PAT10-04(2)*	12mm	1/2	4.19	2
PAT06-03(2)*		3/8	2.89		PAT12-02(2)*		1/4	2.11	3
PAT06-04(2)*		1/2	4.16	3	PAT12-03(2)*		3/8	2.99	2
PAT08-01(2)*	8mm	1/8	1.34	4	PAT12-04(2)*		1/2	4.26	1
PAT08-02(2)*		1/4	2.01						
MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ	Bag QTY
PAT04-G01(2)*	4mm	1/8	1.30	5	PAT08-G03(2)*	8mm	3/8	2.25	
PAT04-G02(2)*		1/4	1.97		PAT08-G04(2)*		1/2	4.23	
PAT04-G03(2)*		3/8	2.92	4	PAT10-G01(2)*	10mm	1/8	2.04	3
PAT04-G04(2)*		1/2	4.19	3	PAT10-G02(2)*		1/4	2.08	
PAT06-G01(2)*	6mm	1/8	1.34	5	PAT10-G03(2)*		3/8	2.96	
PAT06-G02(2)*		1/4	2.01	4	PAT10-G04(2)*	12mm	1/2	4.23	2
PAT06-G03(2)*		3/8	2.96		PAT12-G02(2)*		1/4	2.11	3
PAT06-G04(2)*		1/2	4.23	3	PAT12-G03(2)*		3/8	2.99	2
PAT08-G01(2)*	8mm	1/8	1.41	4	PAT12-G04(2)*		1/2	4.30	1
PAT08-G02(2)*		1/4	2.08						

* Non-stock item, subject to change, call for availability.

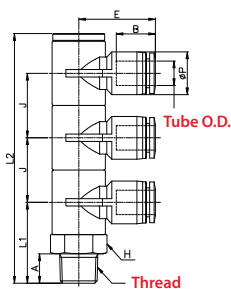
Swivel Triple Branch A - PAT(3)



Metric Tube BSPT(R) Thread



Metric Tube BSPP(G) Thread



*Actual dimensions for above diagram available upon request

MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY
PAT04-01(3)*	4mm	1/8	1.87	5	PAT06-03(3)*	6mm	3/8	4.45	3	PAT10-01(3)*	10mm	1/8	2.82	2
PAT04-02(3)*		1/4	2.82		PAT06-04(3)*		1/2	6.39	2	PAT10-02(3)*		1/4	3.74	
PAT04-03(3)*		3/8	4.30		PAT08-01(3)*	8mm	1/8	2.26	3	PAT10-03(3)*		3/8	5.08	
PAT04-04(3)*		1/2	6.60		PAT08-02(3)*		1/4	3.25		PAT10-04(3)*		1/2	7.51	
PAT06-01(3)*	6mm	1/8	2.26	4	PAT08-03(3)*		3/8	4.76	2	PAT12-02(3)*	12mm	1/4	4.34	1
PAT06-02(3)*		1/4	3.03	3	PAT08-04(3)*		1/2	7.06		PAT12-03(3)*		3/8	5.82	
										PAT12-04(3)*		1/2	7.76	
MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ	Bag QTY
PAT04-G01(3)*	4mm	1/8	1.26	5	PAT06-G03(3)*	6mm	3/8	1.83	3	PAT10-G01(3)*	10mm	1/8	2.82	2
PAT04-G02(3)*		1/4	1.37		PAT06-G04(3)*		1/2	2.08	2	PAT10-G02(3)*		1/4	3.73	
PAT04-G03(3)*		3/8	1.72		PAT08-G01(3)*	8mm	1/8	2.01	3	PAT10-G03(3)*		3/8	3.98	
PAT04-G04(3)*		1/2	2.01		PAT08-G02(3)*		1/4	2.11		PAT10-G04(3)*		1/2	4.23	
PAT06-G01(3)*	6mm	1/8	1.37	4	PAT08-G03(3)*		3/8	2.29	2	PAT12-G02(3)*	12mm	1/4	6.34	1
PAT06-G02(3)*		1/4	1.48	3	PAT08-G04(3)*		1/2	2.99		PAT12-G03(3)*		3/8	6.56	
										PAT12-G04(3)*		1/2	6.84	

* Non-stock item, subject to change, call for availability.

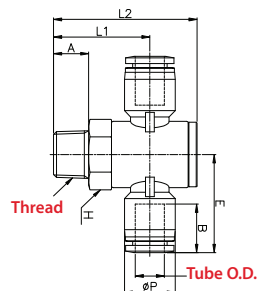
Swivel Single Universal Tee - PHT(1)



Metric Tube BSPT(R) Thread



Metric Tube BSPP(G) Thread



*Actual dimensions for above diagram available upon request

MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY
PHT04-01(1)*	4mm	1/8	.88	5	PHT06-03(1)*	6mm	3/8	2.32	5	PHT10-01(1)*	10mm	1/8	1.16	5
PHT04-02(1)*		1/4	1.48		PHT06-04(1)*		1/2	3.38		PHT10-02(1)*		1/4	1.65	
PHT04-03(1)*		3/8	2.29		PHT08-01(1)*	8mm	1/8	.98		PHT10-03(1)*		3/8	2.53	
PHT04-04(1)*		1/2	3.35		PHT08-02(1)*		1/4	1.55		PHT10-04(1)*		1/2	3.59	
PHT06-01(1)*	6mm	1/8	.91	5	PHT08-03(1)*		3/8	2.39	5	PHT12-02(1)*	12mm	1/4	2.08	5
PHT06-02(1)*		1/4	1.48		PHT08-04(1)*		1/2	3.45		PHT12-03(1)*		3/8	2.78	
										PHT12-04(1)*		1/2	3.84	
MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ	Bag QTY
PHT04-G01(1)*	4mm	1/8	.84	5	PHT06-G03(1)*	6mm	3/8	2.01	5	PHT10-G01(1)*	10mm	1/8	.88	5
PHT04-G02(1)*		1/4	1.30		PHT06-G04(1)*		1/2	2.92		PHT10-G02(1)*		1/4	1.34	
PHT04-G03(1)*		3/8	2.04		PHT08-G01(1)*	8mm	1/8	.84		PHT10-G03(1)*		3/8	2.08	
PHT04-G04(1)*		1/2	2.96		PHT08-G02(1)*		1/4	1.30		PHT10-G04(1)*		1/2	2.99	
PHT06-G01(1)*	6mm	1/8	.81	5	PHT08-G03(1)*		3/8	2.04	5	PHT12-G02(1)*	12mm	1/4	1.44	5
PHT06-G02(1)*		1/4	1.26		PHT08-G04(1)*		1/2	2.96		PHT12-G03(1)*		3/8	2.18	
										PHT12-G04(1)*		1/2	3.10	

* Non-stock item, subject to change, call for availability.

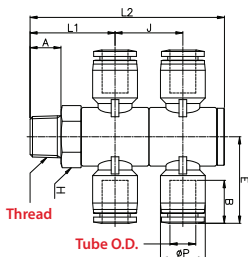
Swivel Double Universal Tee - PHT(2)



Metric Tube BSPT(R) Thread



Metric Tube BSPP(G) Thread



*Actual dimensions for above diagram available upon request

MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY
PHT04-01(2)*	4mm	1/8	1.37	5	PHT06-03(2)*	6mm	3/8	3.35	4	PHT10-01(2)*	10mm	1/8	1.72	3
PHT04-02(2)*		1/4	2.18		PHT06-04(2)*		1/2	4.79	3	PHT10-02(2)*		1/4	2.46	
PHT04-03(2)*		3/8	3.28		PHT08-01(2)*	8mm	1/8	1.58	4	PHT10-03(2)*		3/8	3.52	
PHT04-04(2)*		1/2	4.62		PHT08-02(2)*		1/4	2.39		PHT10-04(2)*		1/2	5.11	
PHT06-01(2)*	6mm	1/8	1.48	5	PHT08-03(2)*		3/8	3.42		PHT12-02(2)*	12mm	1/4	2.65	2
PHT06-02(2)*		1/4	2.29		PHT08-04(2)*		1/2	4.90	3	PHT12-03(2)*		3/8	4.13	
										PHT12-04(2)*		1/2	5.61	
MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ	Bag QTY
PHT04-G01(2)*	4mm	1/8	1.31	5	PHT06-G03(2)*	6mm	3/8	2.96	4	PHT10-G01(2)*	10mm	1/8	1.41	3
PHT04-G02(2)*		1/4	1.97		PHT06-G04(2)*		1/2	4.23	3	PHT10-G02(2)*		1/4	2.08	
PHT04-G03(2)*		3/8	2.92		PHT08-G01(2)*	8mm	1/8	1.41	4	PHT10-G03(2)*		3/8	2.92	
PHT04-G04(2)*		1/2	4.19		PHT08-G02(2)*		1/4	2.08		PHT10-G04(2)*		1/2	4.23	
PHT06-G01(2)*	6mm	1/8	1.34	5	PHT08-G03(2)*		3/8	2.25		PHT12-G02(2)*	12mm	1/4	2.12	2
PHT06-G02(2)*		1/4	2.01		PHT08-G04(2)*		1/2	4.23	3	PHT12-G03(2)*		3/8	2.99	
										PHT12-G04(2)*		1/2	4.26	

* Non-stock item, subject to change, call for availability.

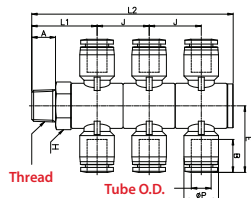
Swivel Triple Universal Tee - PHT(3)



Metric Tube BSPT(R) Thread



Metric Tube BSPP(G) Thread



*Actual dimensions for above diagram available upon request

MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY
PHT04-01(3)*	4mm	1/8	2.01	5	PHT06-03(3)*	6mm	3/8	4.66	3	PHT10-01(3)*	10mm	1/8	2.93	2
PHT04-02(3)*		1/4	3.03		PHT06-04(3)*		1/2	6.74		PHT10-02(3)*		1/4	3.95	
PHT04-03(3)*		3/8	4.52		PHT08-01(3)*	8mm	1/8	2.36		PHT10-03(3)*		3/8	5.36	
PHT04-04(3)*		1/2	6.60		PHT08-02(3)*		1/4	3.46		PHT10-04(3)*		1/2	7.37	
PHT06-01(3)*	6mm	1/8	2.19	3	PHT08-03(3)*		3/8	4.80	2	PHT12-02(3)*	12mm	1/4	4.69	2
PHT06-02(3)*		1/4	3.21		PHT08-04(3)*		1/2	7.02		PHT12-03(3)*		3/8	6.03	
										PHT12-04(3)*		1/2	7.97	
MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ	Bag QTY
PHT04-G01(3)*	4mm	1/8	1.62	5	PHT06-G03(3)*	6mm	3/8	3.63	3	PHT10-G01(3)*	10mm	1/8	1.62	2
PHT04-G02(3)*		1/4	2.46		PHT06-G04(3)*		1/2	5.18		PHT10-G02(3)*		1/4	2.46	
PHT04-G03(3)*		3/8	3.63		PHT08-G01(3)*	8mm	1/8	1.65		PHT10-G03(3)*		3/8	3.63	
PHT04-G04(3)*		1/2	5.18		PHT08-G02(3)*		1/4	2.43		PHT10-G04(3)*		1/2	5.18	
PHT06-G01(3)*	6mm	1/8	1.62	3	PHT08-G03(3)*		3/8	3.66	2	PHT12-G02(3)*	12mm	1/4	2.53	2
PHT06-G02(3)*		1/4	2.46		PHT08-G04(3)*		1/2	5.22		PHT12-G03(3)*		3/8	3.70	
										PHT12-G04(3)*		1/2	5.25	

* Non-stock item, subject to change, call for availability.

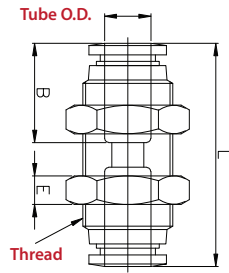
Bulkhead Union- PMM



Inch Tube



Metric Tube



*Actual dimensions for above diagram available upon request
Panel Mount

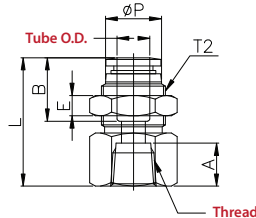
MODEL (inch)	Tube O.D.	Weight OZ	Bag QTY	MODEL (inch)	Tube O.D.	Weight OZ	Bag QTY
PMM5/32	5/32	.69	10	PMM5/16	5/16	1.28	5
PMM3/16	3/16			PMM3/8	3/8	2.11	
PMM1/4	1/4	1.04		PMM1/2	1/2	2.94	
MODEL (metric)	Tube O.D.	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Weight OZ	Bag QTY
PMM04	4mm	.71	10	PMM10	10mm	2.33	5
PMM06	6mm	1.02		PMM12	12mm	2.93	
PMM08	8mm	1.38	5	PMM16	16mm	4.76	3

* Non-stock item, subject to change, call for availability.

Bulkhead Female Union- PMF



Inch Tube NPT Thread



*Actual dimensions for above diagram available upon request
Panel Mount



Metric Tube BSPT(R) Thread

MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ	Bag QTY	MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ	Bag QTY
PMF5/32-N1	5/32	1/8	.70	10	PMF5/16-N3	5/16	3/8	1.61	10
PMF3/16-N1*	3/16				PMF3/8-N2	3/8	1/4	2.52	
PMF3/16-N2*		1/4	.88		PMF3/8-N3		3/8	2.27	
PMF1/4-N1	1/4	1/8	1.19	5	PMF1/2-N2		1/4	2.75	5
PMF1/4-N2		1/4	.98		PMF1/2-N3	1/2	3/8	3.11	
PMF5/16-N1*	5/16	1/8	1.54		PMF1/2-N4		1/2	2.40	
PMF5/16-N2*		1/4	1.37						
MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY
PMF04-01	4mm	1/8	.71	10	PMF08-04	8mm	1/2	1.76	5
PMF04-02		1/4	.88		PMF10-01	10mm	1/8	2.72	10
PMF04-03		3/8	1.34		PMF10-02		1/4	2.50	
PMF06-01	6mm	1/8	1.20	10	PMF10-03		3/8	2.33	5
PMF06-02		1/4	.99		PMF10-04		1/2	2.05	
PMF06-03		3/8	1.52		PMF12-02	12mm	1/4	3.00	
PMF08-01	8mm	1/8	1.59	10	PMF12-03		3/8	2.68	5
PMF08-02		1/4	1.41		PMF12-04		1/2	2.47	
PMF08-03		3/8	1.62						

* Non-stock item, subject to change, call for availability.

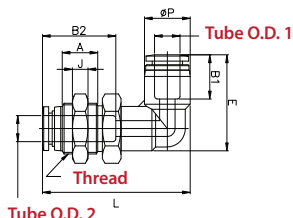
Bulkhead Union Elbow - PLM



Inch Tube



Metric Tube



*Actual dimensions for above diagram available upon request
Panel Mount

MODEL (inch)	Tube O.D. 1 & 2	Weight OZ	Bag QTY	MODEL (inch)	Tube O.D. 1 & 2	Weight OZ	Bag QTY
PLM5/32*	5/32	.44	10	PLM5/16*	5/16	.72	10
PLM3/16*	3/16	.48		PLM3/8*	3/8	1.01	5
PLM1/4*	1/4	.55		PLM1/2*	1/2	1.66	
MODEL (metric)	Tube O.D. 1 & 2	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D. 1 & 2	Weight OZ	Bag QTY
PLM04*	4mm	.67	10	PLM10*	10mm	2.01	5
PLM06	6mm	1.09		PLM12*	12mm	2.79	
PLM08*	8mm	1.38					

* Non-stock item, subject to change, call for availability.

Swivel Reducer Triple Branch - PKD



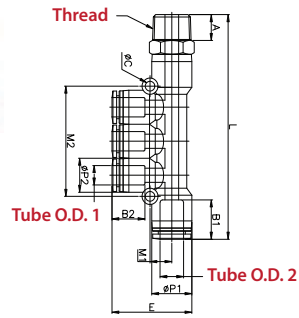
Inch Tube NPT Thread



Metric Tube BSPT(R) Thread



Metric Tube BSPP(G) Thread



*Actual dimensions for above diagram available upon request

MODEL (inch)	Tube O.D.1	Tube O.D.2	Thread NPT	Weight OZ	Bag QTY	MODEL (inch)	Tube O.D.1	Tube O.D.2	Thread NPT	Weight OZ	Bag QTY
PKD3/16-5/32-N1*	3/16	5/32	1/8	.92	5	PKD5/16-1/4-N2*	5/16	1/4	1/4	1.16	5
PKD1/4-5/32-N1*	1/4			3/8		3/8	2.06				
PKD5/16-5/32-N2*	5/16		1/4			1.13	2.20				
PKD5/16-3/16-N2*				3/16		1.26					
MODEL (metric)	Tube O.D.1	Tube O.D.2	Thread BSPT(R)	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.1	Tube O.D.2	Thread BSPT(R)	Weight OZ	Bag QTY
PKD0604-01*	6mm	4mm	1/8	.71	5	PKD1006-02*	10mm	6mm	1/4	1.42	
PKD0804-01*	8mm			1/4		.82			3/8	1.66	
PKD0804-02*			1/8			1.06		1/4	1.56		
PKD0806-01*				6mm		1/8		.95	3/8	1.62	
PKD0806-02*			1/4		1.16						
MODEL (metric)	Tube O.D.1	Tube O.D.2	Thread BSPP(G)	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.1	Tube O.D.2	Thread BSPP(G)	Weight OZ	Bag QTY
PKD0604-G01*	6mm	4mm	1/8	.88	5	PKD1006-G02*	10mm	6mm	1/4	1.25	5
PKD0804-G01*	8mm			1/4		.85			3/8	1.48	
PKD0804-G02*			1/8			1.06		1/4	1.35		
PKD0806-G01*				6mm		1/8		.98	3/8	1.62	
PKD0806-G02*			1/4		1.16						
* Non-stock item, subject to change, call for availability.											

* Non-stock item, subject to change, call for availability.

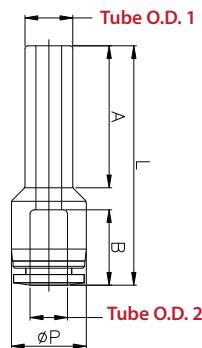
Plug In Reducer - PGJ



Inch Tube



Metric Tube



*Actual dimensions for above diagram available upon request

MODEL (inch)	Tube O.D.1	Tube O.D.2	Weight OZ	Bag QTY	MODEL (inch)	Tube O.D.1	Tube O.D.2	Weight OZ	Bag QTY
PGJ1/8-1/4	1/8	1/4	.10	10	PGJ3/8-1/4	3/8	1/4	.17	10
PGJ5/32-1/8*	5/32	1/8			PGJ3/8-5/16		5/16	.21	
PGJ5/32-1/4		1/4	PGJ1/2-1/4		1/4	.25			
PGJ1/4-5/32	1/4	5/32	.14		PGJ1/2-5/16	1/2	5/16	.24	
PGJ5/16-5/32	5/16		.17	PGJ1/2-3/8	3/8				
PGJ5/16-1/4		1/4							
MODEL (metric)	Tube O.D.1	Tube O.D.2	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.1	Tube O.D.2	Weight OZ	Bag QTY
PGJ06-04	6mm	4mm	.11	10	PGJ12-06	12mm	6mm	.21	10
PGJ08-04	8mm		.14		PGJ12-08*		8mm	.28	
PGJ08-06		6mm	.17		PGJ12-10	10mm	.35		
PGJ10-06	10mm		.21		PGJ16-12	16mm	12mm		
PGJ10-08		8mm	.24						
* Non-stock item, subject to change, call for availability.									

* Non-stock item, subject to change, call for availability.

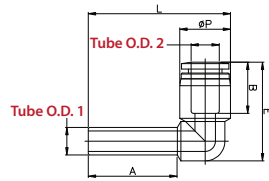
Plug In Elbow - PLJ



Inch Tube



Metric Tube



*Actual dimensions for above diagram available upon request

MODEL (inch)	Tube O.D.1	Tube O.D.2	Weight OZ	Bag QTY	MODEL (inch)	Tube O.D.1	Tube O.D.2	Weight OZ	Bag QTY
PLJ5/32	5/32		.17	10	PLJ1/4-5/32*	1/4	5/32	.21	10
PLJ3/16*	3/16				PLJ5/16-1/4*	5/16	1/4	.27	
PLJ1/4	1/4		.24		PLJ3/8-1/4*	3/8		.52	
PLJ5/16	5/16		.28		PLJ3/8-5/16*		5/16	.55	
PLJ3/8	3/8		.52		PLJ1/2-1/4	1/2	1/4	.70	5
PLJ1/2	1/2		.70	5					
MODEL (metric)	Tube O.D.1	Tube O.D.2	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.1	Tube O.D.2	Weight OZ	Bag QTY
PLJ04*	4mm		.17	10	PLJ16*	16mm		.84	5
PLJ06	6mm		.21		PLJ0604*	6mm	4mm	.21	10
PLJ08*	8mm		.28		PLJ0806*	8mm	6mm	.28	
PLJ10	10mm		.52		PLJ1008*	10mm	8mm	.32	
PLJ12*	12mm		.70	5	PLJ1210*	12mm	10mm	.49	5
* Non-stock item, subject to change, call for availability.									

* Non-stock item, subject to change, call for availability.

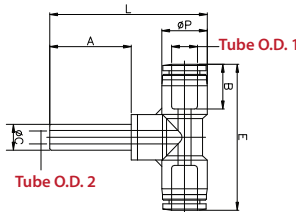
Plug In Branch Tee - PTJ



Inch Tube



Metric Tube



*Actual dimensions for above diagram available upon request

MODEL (inch)	Tube O.D.1	Tube O.D.2	Weight OZ	Bag QTY	MODEL (inch)	Tube O.D.1	Tube O.D.2	Weight OZ	Bag QTY
PTJ5/32	5/32		.41	10	PTJ1/4-5/32*	1/4	5/32	.59	10
PTJ3/16*	3/16		.40		PTJ5/16-1/4*	5/16	1/4	.86	
PTJ1/4*	1/4		.58		PTJ3/8-14*	3/8		1.46	5
PTJ5/16*	5/16		.86		PTJ3/8-5/16*		5/16		
PTJ3/8*	3/8		1.43	5	PTJ1/2-3/8*	1/2	3/8	1.76	
PTJ1/2*	1/2		1.76						
MODEL (metric)	Tube O.D.1	Tube O.D.2	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.1	Tube O.D.2	Weight OZ	Bag QTY
PTJ04	4mm		.21	10	PTJ0604*	6mm	4mm	.32	10
PTJ06*	6mm		.32		PTJ0806*	8mm	6mm	.42	
PTJ08*	8mm		.42		PTJ1008*	10mm	8mm	.56	5
PTJ10*	10mm		.56	5	PTJ1210*	12mm	10mm	.88	
PTJ12*	12mm		.88						
* Non-stock item, subject to change, call for availability.									

* Non-stock item, subject to change, call for availability.

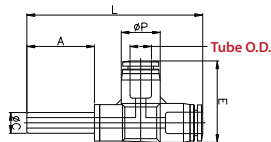
Plug In Run Tee - PSJ



Inch Tube



Metric Tube



*Actual dimensions for above diagram available upon request

MODEL (inch)	Tube O.D.1	Tube O.D.2	Weight OZ	Bag QTY	MODEL (inch)	Tube O.D.1	Tube O.D.2	Weight OZ	Bag QTY
PSJ5/32*	5/32		.41	10	PSJ1/4-5/32*	1/4	5/32	.59	10
PSJ3/16*	3/16		.40		PSJ5/16-1/4*	5/16	1/4	.86	
PSJ1/4	1/4		.58		PSJ3/8-14*	3/8		1.46	5
PSJ5/16*	5/16		.86		PSJ3/8-5/16*		5/16		
PSJ3/8*	3/8		1.43	5	PSJ1/2-3/8*	1/2	3/8	1.74	
PSJ1/2*	1/2		1.76						
MODEL (metric)	Tube O.D.1	Tube O.D.2	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.1	Tube O.D.2	Weight OZ	Bag QTY
PSJ04*	4mm		.25	10	PSJ0604*	6mm	4mm	.28	10
PSJ06*	6mm		.35		PSJ0806*	8mm	6mm	.46	
PSJ08*	8mm		.46	5	PSJ1008*	10mm	8mm	.60	5
PSJ10*	10mm		.71		PSJ1210*	12mm	10mm	.99	
PSJ12*	12mm		.99						
* Non-stock item, subject to change, call for availability.									

* Non-stock item, subject to change, call for availability.

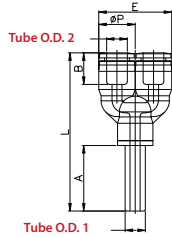
Plug In Y - PYJ



Inch Tube



Metric Tube



*Actual dimensions for above diagram available upon request

MODEL (inch)	Tube O.D.1	Tube O.D.2	Weight OZ	Bag QTY	MODEL (inch)	Tube O.D.1	Tube O.D.2	Weight OZ	Bag QTY
PYJ5/32*	5/32		.35	10	PYJ5/16*	5/16		.81	10
PYJ3/16*	3/16				1.41	5			
PYJ1/4	1/4				.52		1.76		
MODEL (metric)	Tube O.D.1	Tube O.D.2	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.1	Tube O.D.2	Weight OZ	Bag QTY
PYJ04*	4mm		.35	10	PYJ10*	10mm		1.41	5
PYJ06*	6mm		.52		PYJ12*	12mm		1.76	
PYJ08	8mm		.81						
* Non-stock item, subject to change, call for availability.									

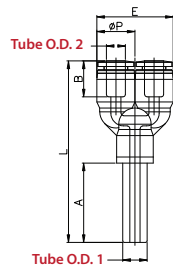
Plug In Reducer Y - PWJ



Inch Tube



Metric Tube



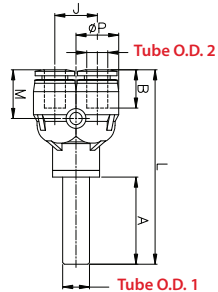
*Actual dimensions for above diagram available upon request

MODEL (inch)	Tube O.D.1	Tube O.D.2	Weight OZ	Bag QTY	MODEL (inch)	Tube O.D.1	Tube O.D.2	Weight OZ	Bag QTY
PWJ1/4-5/32*	1/4	5/32	.52	10	PWJ3/8-1/4*	3/8	1/4	.52	10
PWJ5/16-1/4*	5/16	1/4	.81		PWJ3/8-5/16*		5/16	1.41	
MODEL (metric)	Tube O.D.1	Tube O.D.2	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.1	Tube O.D.2	Weight OZ	Bag QTY
PWJ0604*	6mm	4mm	.35	10	PWJ1008	10mm	8mm	.81	10
PWJ0806*	8mm	6mm	.52		PWJ1210*	12mm	10mm	1.41	5
* Non-stock item, subject to change, call for availability.									

Plug In Reducer Double Y - PXJ



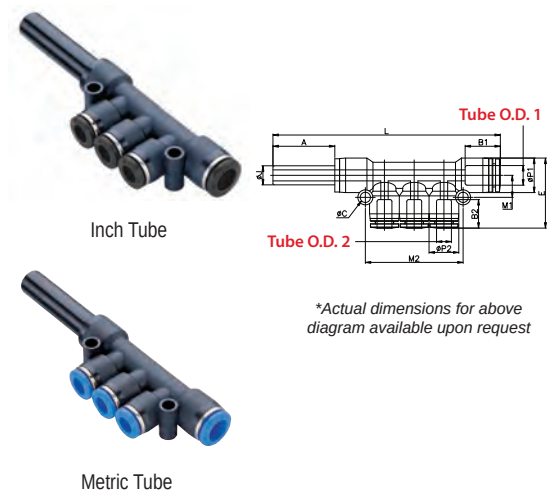
Metric Tube



*Actual dimensions for above diagram available upon request

MODEL (metric)	Tube O.D.1	Tube O.D.2	Weight OZ	Bag QTY
PXJ0604*	6mm	4mm	.46	5
PXJ0806*	8mm	6mm	.64	
* Non-stock item, subject to change, call for availability.				

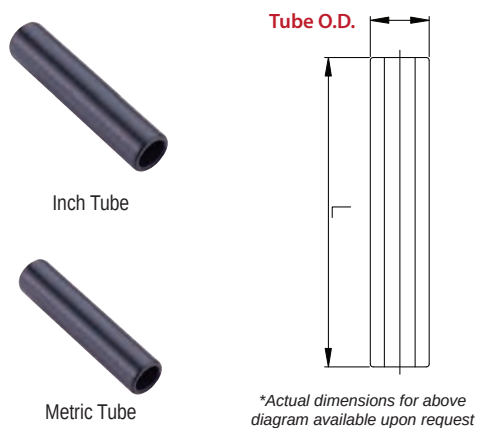
Plug In Reducer Triple Branch - PKJ



MODEL (inch)	Tube O.D.1	Tube O.D.2	Weight OZ	Bag QTY	MODEL (inch)	Tube O.D.1	Tube O.D.2	Weight OZ	Bag QTY
PKJ3/16-5/32*	3/16	5/32	.85	5	PKJ5/16-1/4*	5/16	1/4	1.30	5
PKJ1/4-5/32*	1/4		1.31		5/16	PKJ3/8-1/4*	3/8	1.70	
PKJ5/16-5/32*	5/16		1.30			PKJ3/8-5/16*	3/8		
PKJ5/16-3/16*									
MODEL (metric)	Tube O.D.1	Tube O.D.2	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.1	Tube O.D.2	Weight OZ	Bag QTY
PKJ06-04*	6mm	4mm	.60	5	PKJ10-06*	10mm	6mm	1.06	5
PKJ08-04*	8mm		1.16						
PKJ08-06*			6mm		.67				
* Non-stock item, subject to change, call for availability.									

* Non-stock item, subject to change, call for availability.

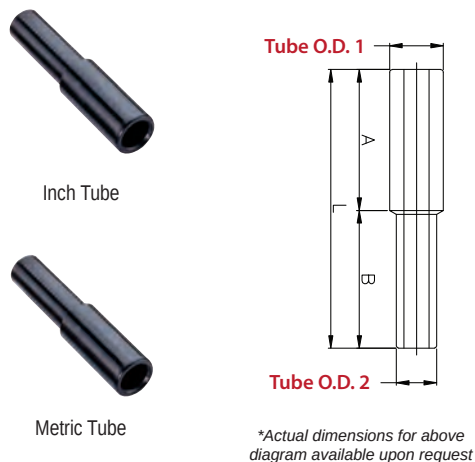
Tube Splicer - PIJ



MODEL (inch)	Tube O.D.	Weight OZ	Bag QTY	MODEL (inch)	Tube O.D.	Weight OZ	Bag QTY
PIJ5/32	5/32	.04	10	PIJ5/16*	5/16	.07	10
PIJ3/16*	3/16			PIJ3/8	3/8	.11	
PIJ1/4	1/4			PIJ1/2*	1/2	.14	
MODEL (metric)	Tube O.D.	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Weight OZ	Bag QTY
PIJ04*	4mm	.04	10	PIJ12*	12mm	.14	10
PIJ06*	6mm			PIJ14*	14mm	.16	
PIJ08*	8mm			PIJ16*	16mm	.18	
PIJ10*	10mm						

* Non-stock item, subject to change, call for availability.

Tube Splicer Reducer - PIG



MODEL (inch)	Tube O.D.1	Tube O.D.2	Weight OZ	Bag QTY	MODEL (inch)	Tube O.D.1	Tube O.D.2	Weight OZ	Bag QTY
PIG3/16-5/32*	3/16	5/32	.04	10	PIG3/8-14*	3/8	1/4	.11	10
PIG1/4-5/32*	1/4				PIG3/8-5/16*		5/16		
PIG1/4-3/16*	3/16	PIG1/2-3/8*			1/2	3/8	.14		
PIG5/16-1/4*	5/16	1/4	.07						
MODEL (metric)	Tube O.D.1	Tube O.D.2	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.1	Tube O.D.2	Weight OZ	Bag QTY
PIG06-04*	6mm	4mm	.04	10	PIG10-08*	10mm	8mm	.11	10
PIG08-04*	8mm				PIG12-08*	12mm			
PIG08-06*		6mm	PIG12-10*		10mm				
PIG10-06	10mm		PIG16-12*		16mm	12mm	.21		
* Non-stock item, subject to change, call for availability.									

* Non-stock item, subject to change, call for availability.

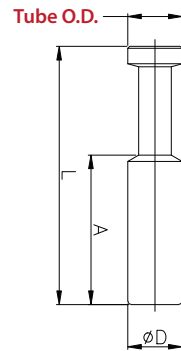
Plug - PP



Inch Tube



Metric Tube



*Actual dimensions for above diagram available upon request

MODEL (inch)	Tube O.D.	Weight OZ	Bag QTY	MODEL (inch)	Tube O.D.	Weight OZ	Bag QTY
PP5/32	5/32	.04	10	PP5/16	5/16	.04	10
PP3/16	3/16			PP3/8	3/8	.07	
PP1/4	1/4			PP1/2	1/2	.11	
MODEL (metric)	Tube O.D.	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Weight OZ	Bag QTY
PP04	4mm	.04	10	PP10	10mm	.11	10
PP06	6mm			PP12	12mm	.14	
PP08	8mm			PP16	16mm	.28	

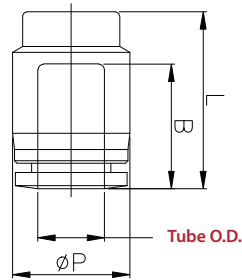
Cap - PPF



Inch Tube



Metric Tube



*Actual dimensions for above diagram available upon request

MODEL (inch)	Tube O.D.	Weight OZ	Bag QTY	MODEL (inch)	Tube O.D.	Weight OZ	Bag QTY
PPF5/32	5/32	.07	10	PPF5/16	5/16	.14	10
PPF3/16	3/16			PPF3/8	3/8	.25	
PPF1/4*	1/4			PPF1/2	1/2	.35	
MODEL (metric)	Tube O.D.	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Weight OZ	Bag QTY
PPF04	4mm	.07	10	PPF10*	10mm	.25	10
PPF06*	6mm	.11		PPF12*	12mm	.35	
PPF08	8mm	.14		PPF16*	16mm	.60	

* Non-stock item, subject to change, call for availability.

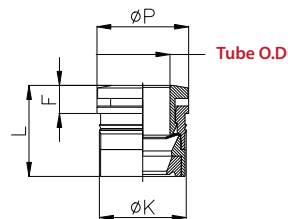
Cartridge Fitting - CAS



Inch Tube



Metric Tube



*Actual dimensions for above diagram available upon request

MODEL (inch)	Tube O.D.	Weight OZ	Bag QTY	MODEL (inch)	Tube O.D.	Weight OZ	Bag QTY
CAS5/32	5/32	.05	10	CAS5/16*	5/16	.12	10
CAS3/16	3/16	.08		CAS3/8	3/8	.18	
CAS1/4	1/4	.10		CAS1/2	1/2	.26	
MODEL (metric)	Tube O.D.	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Weight OZ	Bag QTY
CAS04*	4mm	.05	10	CAS10	10mm	.18	10
CAS06	6mm	.11		CAS12	12mm	.25	
CAS08*	8mm	.12					

* Non-stock item, subject to change, call for availability.

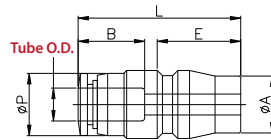
Coupler Plug - PCP



Inch Tube



Metric Tube



*Actual dimensions for above diagram available upon request
Japanese Interchange Only

MODEL (inch)	Tube O.D.	Weight OZ	Bag QTY	MODEL (inch)	Tube O.D.	Weight OZ	Bag QTY
PCP5/32*	5/32	.66	10	PCP5/16*	5/16	.69	10
PCP3/16*	3/16			PCP3/8*	3/8	.97	
PCP1/4*	1/4			PCP1/2*	1/2	1.34	
MODEL (metric)	Tube O.D.	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Weight OZ	Bag QTY
PCP04*	4mm	.60	10	PCP10*	10mm	.88	10
PCP06*	6mm	.56		PCP12*	12mm	1.16	
PCP08*	8mm	.60		PCP16*	16mm	1.83	5

* Non-stock item, subject to change, call for availability.

Swivel Flow Control Elbow - NSC



Inch Tube NPT Thread



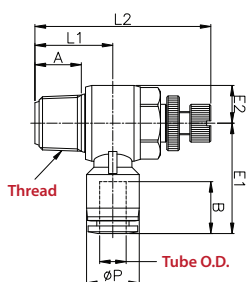
Inch Tube BSPT(R) Thread



Metric Tube BSPT(R) Thread



Metric Tube BSPP(G) Thread



*Actual dimensions for above diagram available upon request

MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ	MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ	MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ
NSC1/8-U	1/8	10-32	.28	NSC3/16-N3*	3/16	3/8	2.32	NSC5/16-N3	5/16	3/8	2.46
NSC5/32-U	5/32		.35	NSC1/4-U	1/4	10-32	.38	NSC5/16-N4*		1/2	3.66
NSC5/32-N1		1/8	.66	NSC1/4-N1		1/8	.70	NSC3/8-N2	1/4	1.38	
NSC5/32-N2*		1/4	1.23	NSC1/4-N2		1/4	1.26	NSC3/8-N3	3/8	2.48	
NSC3/16-U*	3/16	10-32	.34	NSC1/4-N3		3/8	2.35	NSC3/8-N4	1/2	3.85	
NSC3/16-N1*		1/8	.66	NSC5/16-N1	1/8	.77	NSC1/2-N3	3/8	2.61		
NSC3/16-N2*		1/4	1.22	NSC5/16-N2	1/4	1.33	NSC1/2-N4	1/2	4.20		
MODEL (inch)	Tube O.D.	Thread BSPT(R)	Weight OZ	MODEL (inch)	Tube O.D.	Thread BSPT(R)	Weight OZ	MODEL (inch)	Tube O.D.	Thread BSPT(R)	Weight OZ
NSC1/4-M5	1/4	M5	.38	NSC5/16-01*	5/16	1/8	.77	NSC3/8-02	3/8	1/4	1.38
NSC1/4-01		1/8	.70	NSC5/16-02*		1/4	1.33	NSC3/8-03		3/8	2.48
NSC1/4-02		1/4	1.26	NSC5/16-03*		3/8	2.46				
MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ
NSC04-M5	4mm	M5	.32	NSC06-03	6mm	3/8	2.47	NSC10-01	10mm	1/8	.92
NSC04-01		1/8	.71	NSC06-04*		1/2	3.81	NSC10-02		1/4	1.48
NSC04-02		1/4	1.27	NSC08-01	1/8	.78	NSC10-03	3/8		2.58	
NSC06-M5	6mm	M5	.35	NSC08-02	8mm	1/4	1.34	NSC10-04		1/2	3.88
NSC06-01		1/8	.74	NSC08-03		3/8	2.50	NSC12-02	1/4	1.59	
NSC06-02		1/4	1.31	NSC08-04*		1/2	3.85	NSC12-03	3/8	2.65	
								NSC12-04		1/2	3.99
MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ	MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ	MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ
NSC04-G01	4mm	1/8	.71	NSC08-G01	8mm	1/8	.78	NSC10-G03	10mm	3/8	2.50
NSC04-G02*		1/4	1.20	NSC08-G02		1/4	1.31	NSC10-G04*		1/2	3.74
NSC06-G01	6mm	1/8	.71	NSC08-G03		3/8	2.43	NSC12-G02*	12mm	1/4	1.52
NSC06-G02		1/4	1.27	NSC08-G04*	1/2	3.67	NSC12-G03*	3/8		2.50	
NSC06-G03*		3/8	2.40	NSC10-G01*	1/8	.92	NSC12-G04*	1/2		3.81	
NSC06-G04*		1/2	3.63	NSC10-G02	1/4	1.45					
1 Per Bag * Non-stock item, subject to change, call for availability.											

1 Per Bag * Non-stock item, subject to change, call for availability.

-All of the above are Meter-out models

-Add (-I) to the end of part number for meter-in (call for stock status)



Swivel Flow Control Elbow - NSC (D)



Inch Tube NPT Thread



Inch Tube BSPT(R) Thread



Metric Tube BSPT(R) Thread



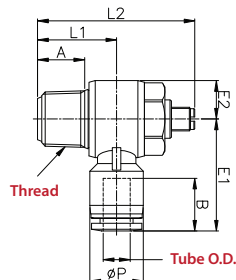
Metric Tube BSPP(G) Thread

MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ	MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ	MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ
NSC1/8-U(D)*	1/8	10-32	.28	NSC3/16-N3(D)*	3/16	3/8	1.93	NSC5/16-N3(D)*	5/16	3/8	2.07
NSC5/32-U(D)*	5/32		.35	NSC1/4-U(D)*	1/4	10-32	.38	NSC5/16-N4(D)*		1/2	3.20
NSC5/32-N1(D)*		1/8	.59	NSC1/4-N1(D)*		1/8	.62	NSC3/8-N2(D)*	3/8	1/4	1.24
NSC5/32-N2(D)*	1/4	1.09	NSC1/4-N2(D)*	1/4	1.12	NSC3/8-N3(D)*	3/8	2.09			
NSC3/16-U(D)*	3/16	10-32	.34	NSC1/4-N3(D)*	5/16	3/8	1.97	NSC3/8-N4(D)*	1/2	3.39	
NSC3/16-N1(D)*		1/8	.59	NSC5/16-N1(D)*		1/8	.66	NSC1/2-N3(D)*		3/8	2.43
NSC3/16-N2(D)*	1/4	1.08	NSC5/16-N2(D)*	1/4	1.19	NSC1/2-N4(D)*	1/2	3.74			
MODEL (inch)	Tube O.D.	Thread BSPT(R)	Weight OZ	MODEL (inch)	Tube O.D.	Thread BSPT(R)	Weight OZ	MODEL (inch)	Tube O.D.	Thread BSPT(R)	Weight OZ
NSC1/4-M5(D)*	1/4	M5	.38	NSC5/16-01(D)*	5/16	1/8	.66	NSC3/8-02(D)*	3/8	1/4	1.24
NSC1/4-01(D)*		1/8	.62	NSC5/16-02(D)*		1/4	1.19	NSC3/8-03(D)*		3/8	2.09
NSC1/4-02(D)*	1/4	1.12	NSC5/16-03(D)*	3/8	2.07						
MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ
NSC04-M5(D)*	4mm	M5	.32	NSC06-03(D)*	6mm	3/8	2.47	NSC10-01(D)*	10mm	1/8	.92
NSC04-01(D)*		1/8	.71	NSC06-04(D)*		1/2	3.81	NSC10-02(D)*		1/4	1.48
NSC04-02(D)*	6mm	1/4	1.27	NSC08-01(D)*	8mm	1/8	.78	NSC10-03(D)*	12mm	3/8	2.58
NSC06-M5(D)		M5	.35	NSC08-02(D)*		1/4	1.34	NSC10-04(D)*		1/2	3.88
NSC06-01(D)*	6mm	1/8	.74	NSC08-03(D)*	1/2	3/8	2.50	NSC12-02(D)*	12mm	1/4	1.59
NSC06-02(D)*		1/4	1.31	NSC08-04(D)*		1/2	3.85	NSC12-03(D)*		3/8	2.65
								NSC12-04(D)*			
MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ	MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ	MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ
NSC04-G01(D)	4mm	1/8	.71	NSC08-G01(D)	8mm	1/8	.78	NSC10-G03(D)*	10mm	3/8	2.50
NSC04-G02(D)*		1/4	1.20	NSC08-G02(D)*		1/4	1.31	NSC10-G04(D)*		1/2	3.74
NSC06-G01(D)	6mm	1/8	.71	NSC08-G03(D)*	10mm	3/8	2.43	NSC12-G02(D)*	12mm	1/4	1.52
NSC06-G02(D)*		1/4	1.27	NSC08-G04(D)*		1/2	3.67	NSC12-G03(D)*		3/8	2.50
NSC06-G03(D)*	1/2	3/8	2.40	NSC10-G01(D)*	1/4	1/8	.92	NSC12-G04(D)*	1/2	3.81	
NSC06-G04(D)*		1/2	3.63	NSC10-G02(D)*		1/4	1.45				
1 Per Bag * Non-stock item, subject to change, call for availability.											

1 Per Bag * Non-stock item, subject to change, call for availability.

-All of the above are Meter-out models

-Add (-I) to the end of part number for meter-in (call for stock status)



*Actual dimensions for above diagram available upon request



Swivel Flow Control Elbow - NSC (DC)



Inch Tube NPT Thread



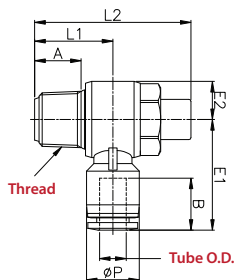
Inch Tube BSPT(R) Thread



Metric Tube BSPT(R) Thread



Metric Tube BSPP(G) Thread



*Actual dimensions for above diagram available upon request

MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ	MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ	MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ
NSC1/8-U(DC)*	1/8	10-32	.28	NSC3/16-N3(DC)*	3/16	3/8	2.11	NSC5/16-N3(DC)*	5/16	3/8	2.28
NSC5/32-U(DC)	5/32		.35	NSC1/4-U(DC)	1/4	10-32	.38	NSC5/16-N4(DC)*		1/2	3.41
NSC5/32-N1(DC)		1/8	.66	NSC1/4-N1(DC)*		1/8	.70	NSC3/8-N2(DC)	1/4	1.31	
NSC5/32-N2(DC)		1/4	1.16	NSC1/4-N2(DC)		1/4	1.19	NSC3/8-N3(DC)*	3/8	2.30	
NSC3/16-U(DC)*	3/16	10-32	.34	NSC1/4-N3(DC)*	5/16	3/8	2.18	NSC3/8-N4(DC)*	1/2	3.61	
NSC3/16-N1(DC)*		1/8	.66	NSC5/16-N1(DC)*		1/8	.73	NSC1/2-N3(DC)*	3/8	2.65	
NSC3/16-N2(DC)*		1/4	1.15	NSC5/16-N2(DC)*		1/4	1.26	NSC1/2-N4(DC)*	1/2	3.95	
MODEL (inch)	Tube O.D.	Thread BSPT(R)	Weight OZ	MODEL (inch)	Tube O.D.	Thread BSPT(R)	Weight OZ	MODEL (inch)	Tube O.D.	Thread BSPT(R)	Weight OZ
NSC1/4-M5(DC)*	1/4	M5	.62	NSC5/16-01(DC)*	5/16	1/8	.73	NSC3/8-02(DC)*	3/8	1/4	1.31
NSC1/4-01(DC)		1/8	.70	NSC5/16-02(DC)*		1/4	1.26	NSC3/8-03(DC)*		3/8	2.30
NSC1/4-02(DC)*		1/4	1.19	NSC5/16-03(DC)*		3/8	2.28				
MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ
NSC04-M5(DC)*	4mm	M5	.25	NSC06-04(DC)*	6mm	1/2	3.81	NSC10-03(DC)*	10mm	3/8	2.22
NSC04-01(DC)*		1/8	.56	NSC08-01(DC)*	8mm	1/8	.71	NSC10-04(DC)*		1/2	3.63
NSC04-02(DC)*		1/4	1.24	NSC08-02(DC)*		1/4	1.20	NSC12-02(DC)*	1/4	1.48	
NSC06-M5(DC)*	6mm	M5	.32	NSC08-03(DC)*		3/8	2.26	NSC12-03(DC)*	3/8	2.29	
NSC06-01(DC)*		1/8	.64	NSC08-04(DC)*		1/2	3.53	NSC12-04(DC)*	1/2	3.67	
NSC06-02(DC)*		1/4	1.16	NSC10-01(DC)*	10mm	1/8	.92				
NSC06-03(DC)*		3/8	2.22	NSC10-02(DC)*		1/4	1.34				
MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ	MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ	MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ
NSC04-G01(DC)*	4mm	1/8	.56	NSC08-G01(DC)*	8mm	1/8	.71	NSC10-G03(DC)*	10mm	3/8	2.22
NSC04-G02(DC)*		1/4	1.24	NSC08-G02(DC)*		1/4	1.20	NSC10-G04(DC)*		1/2	3.63
NSC06-G01(DC)*	6mm	1/8	.64	NSC08-G03(DC)*		3/8	2.26	NSC12-G02(DC)*	12mm	1/4	1.48
NSC06-G02(DC)*		1/4	1.16	NSC08-G04(DC)*	1/2	3.53	NSC12-G03(DC)*	3/8		2.29	
NSC06-G03(DC)*		3/8	2.22	NSC10-G01(DC)*	10mm	1/8	.92	NSC12-G04(DC)*		1/2	3.67
NSC06-G04(DC)*		1/2	3.81	NSC10-G02(DC)*		1/4	1.34				
1 Per Bag * Non-stock item, subject to change, call for availability.											

1 Per Bag * Non-stock item, subject to change, call for availability.

-All of the above are Meter-out models
-Add (-I) to the end of part number for meter-in (call for stock status)



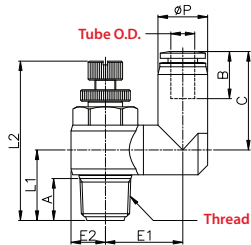
Swivel Flow Control Dual Axis Swivel Body Elbow - NSS



Metric Tube BSPT(R) Thread



Metric Tube BSPT(R) Thread



*Actual dimensions for above diagram available upon request

MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ
NSS04-M5*	4mm	M5	.33	NSS06-03*	6mm	3/8	2.48	NSS10-03*	10mm	3/8	2.59
NSS04-01*		1/8	.68	NSS08-01	8mm	1/8	.78	NSS10-04*		1/2	3.97
NSS04-02*		1/4	1.27	NSS08-02		1/4	1.40	NSS12-02*	12mm	1/4	1.56
NSS06-M5	6mm	M5	.36	NSS08-03*		3/8	2.52	NSS12-03		3/8	2.79
NSS06-01		1/8	.74	NSS08-04*		1/2	3.88	NSS12-04		1/2	4.09
NSS06-02		1/4	1.37	NSS10-02	10mm	1/4	1.49				
MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ	MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ	MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ
NSS04-G01*	4mm	1/8	.33	NSS08-G01*	8mm	1/8	2.48	NSS10-G03*	10mm	3/8	2.59
NSS04-G02*		1/4	.68	NSS08-G02*		1/4	.78	NSS10-G04*		1/2	3.97
NSS06-G01*	6mm	1/8	1.27	NSS08-G03*		3/8	1.40	NSS12-G02*	12mm	1/4	1.56
NSS06-G02*		1/4	.36	NSS08-G04*		1/2	2.52	NSS12-G03*		3/8	2.79
NSS06-G03*		3/8	.74	NSS10-G01*	10mm	1/8	.92	NSS12-G04*		1/2	4.09
NSS06-G04*		1/2	3.74	NSS10-G02*		1/4	3.88				

1 Per Bag * Non-stock item, subject to change, call for availability.

- All of the above are Meter-out models
- Add (-I) to the end of part number for meter-in (call for stock status)



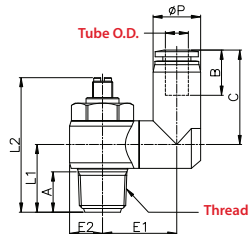
Swivel Flow Control Dual Axis Swivel Body Elbow - NSS (D)



Metric Tube BSPT(R) Thread



Metric Tube BSPT(R) Thread



*Actual dimensions for above diagram available upon request

MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ
NSS04-M5(D)*	4mm	M5	.33	NSS06-03(D)*	6mm	3/8	2.48	NSS10-03(D)*	10mm	3/8	2.59
NSS04-01(D)*		1/8	.68	NSS08-01(D)*	8mm	1/8	.78	NSS10-04(D)*		1/2	3.97
NSS04-02(D)*		1/4	1.27	NSS08-02(D)*		1/4	1.40	NSS12-02(D)*	12mm	1/4	1.56
NSS06-M5(D)*	6mm	M5	.36	NSS08-03(D)*		3/8	2.52	NSS12-03(D)*		3/8	2.79
NSS06-01(D)*		1/8	.74	NSS08-04(D)*		1/2	3.88	NSS12-04(D)*		1/2	4.09
NSS06-02(D)*		1/4	1.37	NSS10-02(D)*	10mm	1/4	1.49				
MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ	MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ	MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ
NSS04-G01(D)*	4mm	1/8	.33	NSS08-G01(D)*	8mm	1/8	.78	NSS10-G03(D)*	10mm	3/8	2.50
NSS04-G02(D)*		1/4	.68	NSS08-G02(D)*		1/4	1.31	NSS10-G04(D)*		1/2	3.74
NSS06-G01(D)*	6mm	1/8	1.27	NSS08-G03(D)*		3/8	2.43	NSS12-G02(D)*	12mm	1/4	1.52
NSS06-G02(D)*		1/4	.36	NSS08-G04(D)*		1/2	3.67	NSS12-G03(D)*		3/8	2.50
NSS06-G03(D)*		3/8	.74	NSS10-G01(D)*	10mm	1/8	.92	NSS12-G04(D)*		1/2	3.81
NSS06-G04(D)*		1/2	3.74	NSS10-G02(D)*		1/4	3.88				

1 Per Bag * Non-stock item, subject to change, call for availability.

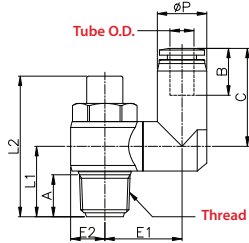
- All of the above are Meter-out models
- Add (-I) to the end of part number for meter-in (call for stock status)



Swivel Flow Control Dual Axis Swivel Body Elbow - NSS (DC)



Metric Tube BSPT(R) Thread



*Actual dimensions for above diagram available upon request



Metric Tube BSPP(G) Thread

MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ
NSS04-M5(DC)*	4mm	M5	.25	NSS06-03(DC)*	6mm	3/8	2.22	NSS10-03(DC)*	10mm	3/8	2.22
NSS04-01(DC)*		1/8	.56	NSS08-01(DC)*	8mm	1/8	.71	NSS10-04(DC)*		1/2	3.63
NSS04-02(DC)*		1/4	1.24	NSS08-02(DC)*		1/4	1.20	NSS12-02(DC)*		1/4	1.48
NSS06-M5(DC)*	M5	.32	NSS08-03(DC)*	3/8		2.26	NSS12-03(DC)*	12mm	3/8	2.29	
NSS06-01(DC)*	6mm	1/8	.64	NSS08-04(DC)*		1/2	3.53		NSS12-04(DC)*	1/2	3.67
NSS06-02(DC)*		1/4	1.16	NSS10-02(DC)*	10mm	1/4	1.34				
MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ	MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ	MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ
NSS04-G01(DC)*	4mm	1/8	.56	NSS08-G01(DC)*	8mm	1/8	.71	NSS10-G03(DC)*	10mm	3/8	2.22
NSS04-G02(DC)*		1/4	1.24	NSS08-G02(DC)*		1/4	1.20	NSS10-G04(DC)*		1/2	3.63
NSS06-G01(DC)*		1/8	.64	NSS08-G03(DC)*		3/8	2.26	NSS12-G02(DC)*		1/4	1.48
NSS06-G02(DC)*	6mm	1/4	1.16	NSS08-G04(DC)*		1/2	3.53	NSS12-G03(DC)*	12mm	3/8	2.29
NSS06-G03(DC)*		3/8	2.22	NSS10-G01(DC)*	10mm	1/8	.92	NSS12-G04(DC)*		1/2	3.67
NSS06-G04(DC)*		1/2	3.74	NSS10-G02(DC)*		1/4	1.34				
1 Per Bag * Non-stock item, subject to change, call for availability.											

1 Per Bag * Non-stock item, subject to change, call for availability.

-All of the above are Meter-out models

-Add (-I) to the end of part number for meter-in (call for stock status)



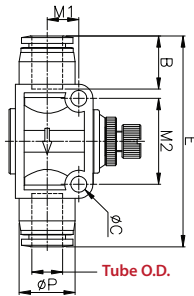
Flow Control Inline Union - NSF



Inch Tube



Metric Tube



*Actual dimensions for above diagram available upon request

MODEL (inch)	Tube O.D.	Weight OZ	MODEL (inch)	Tube O.D.	Weight OZ	MODEL (inch)	Tube O.D.	Weight OZ
NSF5/32	5/32	.48	NSF1/4	1/4	1.04	NSF3/8	3/8	2.98
NSF3/16	3/16	.47	NSF5/16	5/16	1.67	NSF1/2	1/2	4.37
MODEL (metric)	Tube O.D.	Weight OZ	MODEL (metric)	Tube O.D.	Weight OZ	MODEL (metric)	Tube O.D.	Weight OZ
NSF04*	4mm	.46	NSF08*	8mm	1.59	NSF12	12mm	4.34
NSF06	6mm	.99	NSF10	10mm	2.96			

1 Per Bag * Non-stock item, subject to change, call for availability.

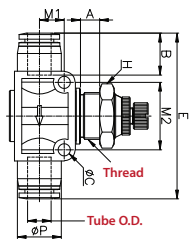
Flow Control Bulkhead Inline Union - NSFB



Inch Tube



Metric Tube



*Actual dimensions for above diagram available upon request
Panel Mount

MODEL (inch)	Tube O.D.	Weight OZ	MODEL (inch)	Tube O.D.	Weight OZ	MODEL (inch)	Tube O.D.	Weight OZ
NSFB5/32*	5/32	.64	NSFB1/4*	1/4	1.31	NSFB3/8*	3/8	3.88
NSFB3/16*	3/16	.64	NSFB5/16	5/16	2.36	NSFB1/2*	1/2	5.33
MODEL (metric)	Tube O.D.	Weight OZ	MODEL (metric)	Tube O.D.	Weight OZ	MODEL (metric)	Tube O.D.	Weight OZ
NSFB04*	4mm	.64	NSFB08*	8mm	2.36	NSFB12*	12mm	5.33
NSFB06*	6mm	1.31	NSFB10*	10mm	3.88			

1 Per Bag * Non-stock item, subject to change, call for availability.

Swivel Flow Control Elbow with Releasing Residual Pressure Valve - NSCP



Inch Tube NPT Thread



Inch Tube BSPT(R) Thread



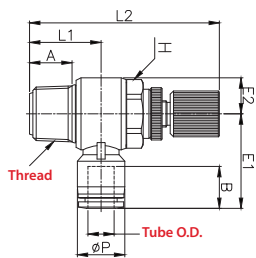
Metric Tube BSPT(R) Thread



Metric Tube BSPP(G) Thread

MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ	MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ	MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ
NSCP5/32-N1*	5/32	1/8	Not Available	NSCP1/4-N2*	1/4	1/4	Not Available	NSCP3/8-N2*	3/8	1/4	Not Available
NSCP5/32-N2*		1/4		NSCP1/4-N3*		3/8		NSCP3/8-N3*		3/8	
NSCP3/16-N1*	1/8	NSCP5/16-N1*		1/8	NSCP3/8-N4*	1/2					
NSCP3/16-N2*	3/16	1/4		NSCP5/16-N2*	1/4	NSCP1/2-N3*		3/8			
NSCP3/16-N3*		3/8		NSCP5/16-N3*	3/8	NSCP1/2-N4*		1/2			
NSCP1/4-N1*	1/4	1/8		NSCP5/16-N4*	1/2						
MODEL (inch)	Tube O.D.	Thread BSPT(R)	Weight OZ	MODEL (inch)	Tube O.D.	Thread BSPT(R)	Weight OZ	MODEL (inch)	Tube O.D.	Thread BSPT(R)	Weight OZ
NSCP1/4-01*	1/4	1/8	Not Available	NSCP5/16-02*	5/16	1/4	Not Available	NSCP3/8-03*	3/8	3/8	N/A
NSCP1/4-02*		1/4		NSCP5/16-03*		3/8					
NSCP5/16-01*	5/16	1/8		NSCP3/8-02*	3/8	1/4					
MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ
NSCP04-01*	4mm	1/8	Not Available	NSCP08-01*	8mm	1/8	Not Available	NSCP10-03*	10mm	3/8	Not Available
NSCP04-02*		1/4		NSCP08-02*		1/4		NSCP10-04*		1/2	
NSCP06-01*	1/8	NSCP08-03*		3/8		NSCP12-02*		1/4			
NSCP06-02*	6mm	1/4		NSCP08-04*	1/2	NSCP12-03*		3/8			
NSCP06-03*		3/8		NSCP10-01*	1/8	NSCP12-04*		1/2			
NSCP06-04*		1/2		NSCP10-02*	1/4						
MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ	MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ	MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ
NSCP04-G01*	4mm	1/8	Not Available	NSCP08-G01*	8mm	1/8	Not Available	NSCP10-G03*	10mm	3/8	Not Available
NSCP04-G02*		1/4		NSCP08-G02*		1/4		NSCP10-G04*		1/2	
NSCP06-G01*	1/8	NSCP08-G03*		3/8		NSCP12-G02*		1/4			
NSCP06-G02*	6mm	1/4		NSCP08-G04*	1/2	NSCP12-G03*		3/8			
NSCP06-G03*		3/8		NSCP10-G01*	1/8	NSCP12-G04*		1/2			
NSCP06-G04*		1/2		NSCP10-G02*	1/4						
1 Per Bag * Non-stock item, subject to change, call for availability.											

1 Per Bag * Non-stock item, subject to change, call for availability.



*Actual dimensions for above diagram available upon request

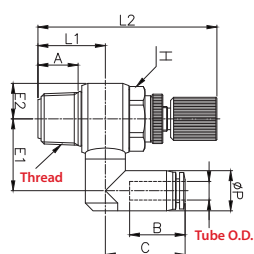
Swivel Flow Control with Releasing Residual Pressure Valve- NSSP



Metric Tube BSPT(R) Thread



Metric Tube BSPP(G) Thread



*Actual dimensions for above diagram available upon request

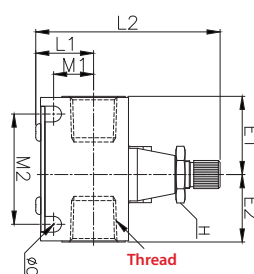
MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ
NSSP04-01*	4mm	1/8	Not Available	NSSP08-04*	8mm	1/2	Not Available
NSSP04-02*		1/4		NSSP10-02*	10mm	1/4	
NSSP06-01*		1/8		NSSP10-03*		3/8	
NSSP06-02*	6mm	1/4		NSSP10-04*		1/2	
NSSP06-03*		3/8		NSSP12-02*	12mm	1/4	
NSSP08-01*		1/8		NSSP12-03*		3/8	
NSSP08-02*	8mm	1/4		NSSP12-04*		1/2	
NSSP08-03*		3/8					
MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ	MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ
NSSP04-G01*	4mm	1/8	Not Available	NSSP08-G04*	8mm	1/2	Not Available
NSSP04-G02*		1/4		NSSP10-G02*	10mm	1/4	
NSSP06-G01*		1/8		NSSP10-G03*		3/8	
NSSP06-G02*	6mm	1/4		NSSP10-G04*		1/2	
NSSP06-G03*		3/8		NSSP12-G02*	12mm	1/4	
NSSP08-G01*		1/8		NSSP12-G03*		3/8	
NSSP08-G02*	8mm	1/4		NSSP12-G04*		1/2	
NSSP08-G03*		3/8					

1 Per Bag * Non-stock item, subject to change, call for availability.

Metal Body Flow Control- NSFF



MBSPT(R) Thread



*Actual dimensions for above diagram available upon request

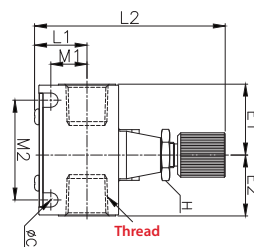
MODEL (metric)	Thread BSPT(R)1	Thread BSPT(R)2	Weight OZ	MODEL (metric)	Thread BSPT(R)1	Thread BSPT(R)2	Weight OZ
NSFF-01*	1/8		3.00	NSFF-03*		3/8	4.19
NSFF-02*	1/4		4.12	NSFF-04*		1/2	6.24

1 Per Bag * Non-stock item, subject to change, call for availability.

Metal Body Flow Control with Exhaust Valve - NSFP



BSPT(R) Thread

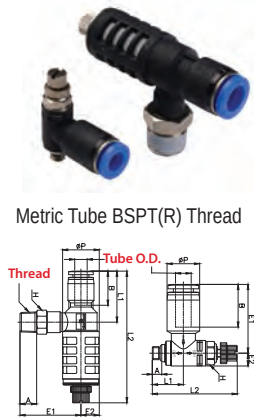


*Actual dimensions for above diagram available upon request

MODEL (metric)	Thread BSPT(R)1	Thread BSPT(R)2	Weight OZ	MODEL (metric)	Thread BSPT(R)1	Thread BSPT(R)2	Weight OZ
NSFP-01*	1/8		3.06	NSFP-03*		3/8	4.25
NSFP-02*	1/4		4.19	NSFP-04*		1/2	6.47

1 Per Bag * Non-stock item, subject to change, call for availability.

Flow Control with Quick Exhaust Valve- ESC



Metric Tube BSPT(R) Thread

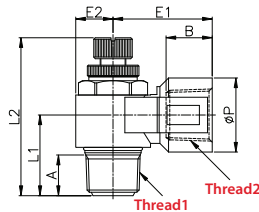
*Actual dimensions for above diagram available upon request

MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ
ESC04-M3*	4mm	M3	.40	ESC08-M-01*	8mm	1/8	1.41	ESC10-L-03*	10mm	3/8	2.70
ESC04-M5*		M5		ESC08-M-02*		1/4	1.51	ESC10-L-04*		1/2	3.01
ESC06-M5*				ESC08-M-03*		3/8	1.71	ESC12-L-02*		1/4	2.65
ESC06-S-01*	6mm	1/8	.76	ESC10-M-01*	10mm	1/8	1.47	ESC12-L-03*	12mm	3/8	2.79
ESC06-S-02*		1/4	.93	ESC10-M-02*		1/4	1.58	ESC12-L-04*		1/2	3.11
ESC08-S-01*	8mm	1/8	.79	ESC10-M-03*		3/8	1.77				
ESC08-S-02*		1/4	.97	ESC10-L-02*		1/4	2.56				
1 Per Bag * Non-stock item, subject to change, call for availability.											

Metal Body Swivel Flow Control Elbow - NSCF

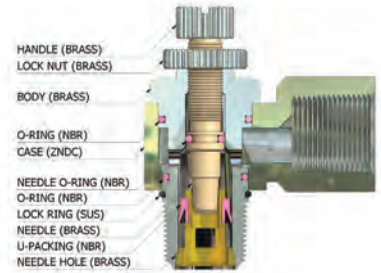


Metric Tube BSPT(R) Thread



*Actual dimensions for above diagram available upon request

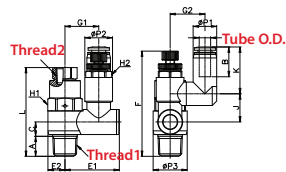
MODEL (metric)	Thread BSPT(R)1	Thread BSPT (R) 2	Weight OZ
NSCF01*	1/8		1.06
NSCF02*	1/4		2.12
NSCF03*	3/8		3.77
NSCF04*	1/2		6.00
1 Per Bag * Non-stock item, subject to change, call for availability.			



Swivel Flow Control with Pilot Check Valve - PVSC



Metric Tube BSPT(R) Thread



*Actual dimensions for above diagram available upon request

MODEL (metric)	Tube O.D.	Thread BSPT(R)1	Thread BSPT(R)2	Weight OZ	MODEL (metric)	Tube O.D.	Thread BSPT(R)1	Thread BSPT(R)2	Weight OZ
PVSC06-01*	6mm	1/8	M5	1.40	PVSC10-03*	10mm	3/8	1/8	4.62
PVSC06-02*		1/4	1/8	2.52	PVSC10-04*		1/2	1/4	8.63
PVSC08-01*	8mm	1/8	M5	1.47	PVSC12-03*	12mm	3/8	1/8	4.90
PVSC08-02*		1/4	1/8	2.70	PVSC12-04*		1/2	1/4	8.28
PVSC08-03*		3/8	1/8	4.55					
MODEL (metric)	Tube O.D.	Thread BSPP(G)1	Thread BSPP(G)2	Weight OZ	MODEL (metric)	Tube O.D.	Thread BSPP(G)1	Thread BSPP(G)2	Weight OZ
PVSC06-G01*	6mm	1/8	M5	1.57	PVSC10-G03*	10mm	3/8	1/8	4.86
PVSC06-G02*		1/4	1/8	2.80	PVSC10-G04*		1/2	1/4	8.91
PVSC08-G01*	8mm	1/8	M5	1.50	PVSC12-G03*	12mm	3/8	1/8	5.15
PVSC08-G02*		1/4	1/8	2.84	PVSC12-G04*		1/2	1/4	8.42
PVSC08-G03*		3/8	1/8	4.41					
1 Per Bag * Non-stock item, subject to change, call for availability.									

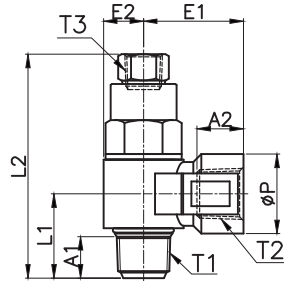


Metric Tube BSPP(G) Thread

Metal Body Swivel Flow Control Pilot Check Valve with Female Thread - PVSF



Metric Tube BSPT(R) Thread



*Actual dimensions for above diagram available upon request

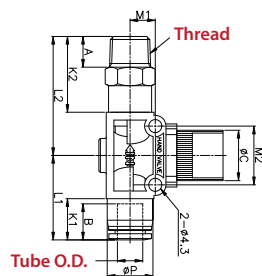
MODEL (metric)	Thread BSPT(R)1	Thread BSPT(Rc)2	Thread BSPT(Rc)3	Weight OZ
PVSF 01*	1/8	1/8	M5	1.22
PVSF 02*	1/4	1/4	1/8	2.63
PVSF 03*	3/8	3/8	1/8	4.35
PVSF 04*	1/2	1/2	1/4	7.31

1 Per Bag * Non-stock item, subject to change, call for availability.

Straight A Hand Valve - HVC



Inch Tube NPT Thread



*Actual dimensions for above diagram available upon request



Metric Tube BSPT(R) Thread



Metric Tube BSPP(G) Thread

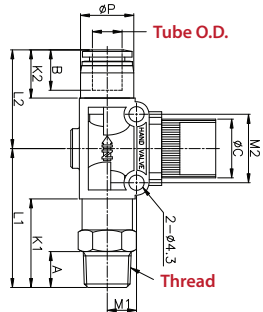
MODEL (metric)	Tube O.D.	Thread NPT	Weight OZ	MODEL (metric)	Tube O.D.	Thread NPT	Weight OZ
HVC1/4-N1*		1/8	1.08	HVC3/8-N2*		1/4	2.12
HVC1/4-N2*	1/4	1/4	1.37	HVC3/8-N3*	3/8	3/8	2.72
HVC1/4-N3*		3/8	1.61	HVC3/8-N4*		1/2	2.62
HVC5/16-N1*		1/8	1.22	HVC1/2-N2*		1/4	2.43
HVC5/16-N2*	5/16	1/4	1.37	HVC1/2-N3*	1/2	3/8	2.96
HVC5/16-N3*		3/8	1.65	HVC1/2-N4*		1/2	3.14
MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ
HVC06-01*		1/8	1.31	HVC10-02*		1/4	2.05
HVC06-02*	6mm	1/4	1.37	HVC10-03*	10mm	3/8	2.15
HVC06-03*		3/8	1.66	HVC10-04*		1/2	2.89
HVC08-01*		1/8	1.24	HVC12-02*		1/4	2.43
HVC08-02*	8mm	1/4	1.45	HVC12-03*	12mm	3/8	2.40
HVC08-03*		3/8	1.69	HVC12-04*		1/2	2.68
MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ	MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ
HVC06-G01*		1/8	1.31	HVC10-G02*		1/4	2.05
HVC06-G02*	6mm	1/4	1.37	HVC10-G03*	10mm	3/8	2.15
HVC06-G03*		3/8	1.66	HVC10-G04*		1/2	2.89
HVC08-G01*		1/8	1.24	HVC12-G02*		1/4	2.43
HVC08-G02*	8mm	1/4	1.45	HVC12-G03*	12mm	3/8	2.40
HVC08-G03*		3/8	1.69	HVC12-G04*		1/2	2.68

1 Per Bag * Non-stock item, subject to change, call for availability.

Straight B Hand Valve - HVF



Inch Tube NPT Thread



*Actual dimensions for above diagram available upon request



Metric Tube BSPT(R) Thread



Metric Tube BSPP(G) Thread

MODEL (metric)	Thread NPT	Tube O.D.	Weight OZ	MODEL (metric)	Thread NPT	Tube O.D.	Weight OZ
HVF-N1-1/4*	1/8		1.08	HVF-N2-3/8*	1/4		1.91
HVF-N2-1/4	1/4	1/4	1.37	HVF-N3-3/8*	3/8	3/8	2.12
HVF-N3-1/4*	3/8		1.61	HVF-N4-3/8*	1/2		2.72
HVF-N1-5/16*	1/8		1.22	HVF-N2-1/2*	1/4		2.43
HVF-N2-5/16*	1/4	5/16	1.37	HVF-N3-1/2*	3/8	1/2	2.61
HVF-N3-5/16	3/8		1.65	HVF-N4-1/2*	1/2		2.96
MODEL (metric)	Thread BSPT(R)	Tube O.D.	Weight OZ	MODEL (metric)	Thread BSPT(R)	Tube O.D.	Weight OZ
HVF-01-06*	1/8		1.31	HVF-02-10*	1/4		2.05
HVF-02-06*	1/4	6mm	1.37	HVF-03-10*	3/8	10mm	2.15
HVF-03-06*	3/8		1.66	HVF-04-10*	1/2		2.89
HVF-01-08*	1/8		1.24	HVF-02-12*	1/4		2.43
HVF-02-08*	1/4	8mm	1.45	HVF-03-12*	3/8	12mm	2.40
HVF-03-08*	3/8		1.69	HVF-04-12*	1/2		2.68
MODEL (metric)	Thread BSPP(G)	Tube O.D.	Weight OZ	MODEL (metric)	Thread BSPP(G)	Tube O.D.	Weight OZ
HVF-G01-06*	1/8		1.31	HVF-G02-10*	1/4		2.05
HVF-G02-06*	1/4	6mm	1.37	HVF-G03-10*	3/8	10mm	2.15
HVF-G03-06*	3/8		1.66	HVF-G04-10*	1/2		2.89
HVF-G01-08*	1/8		1.24	HVF-G02-12*	1/4		2.43
HVF-G02-08*	1/4	8mm	1.45	HVF-G03-12*	3/8	12mm	2.40
HVF-G03-08	3/8		1.69	HVF-G04-12	1/2		2.68

1 Per Bag * Non-stock item, subject to change, call for availability.

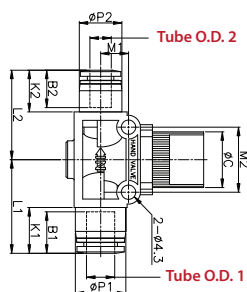
Union Straight Hand Valve - HVU



Inch Tube



Metric Tube



*Actual dimensions for above diagram available upon request

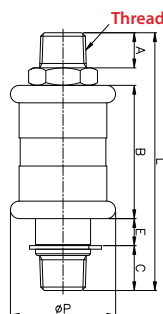
MODEL (inch)	Tube O.D. 1	Tube O.D. 2	Weight OZ	MODEL (metric)	Tube O.D. 1	Tube O.D. 2	Weight OZ
HVU1/4-1/4	1/4		.79	HVU3/8-3/8	3/8		1.43
HVU5/16-1/4*		1/4	.83	HVU1/2-3/8*		3/8	1.45
HVU5/16-5/16	5/16		.86	HVU1/2-1/2	1/2	1/2	1.66
HVU3/8-5/16*	3/8	5/16	1.34				
MODEL (metric)	Tube O.D. 1	Tube O.D. 2	Weight OZ	MODEL (metric)	Tube O.D. 1	Tube O.D. 2	Weight OZ
HVU06-06	6mm		.95	HVU10-10	10mm	10mm	1.48
HVU08-06*		6mm		HVU12-10*		10mm	1.59
HVU08-08	8mm		.99	HVU12-12	12mm	12mm	1.66
HVU10-08*	10mm	8mm	1.45				

1 Per Bag * Non-stock item, subject to change, call for availability.

Nipple Slide Hand Valve- HSV



BSPT(R) Thread



*Actual dimensions for above diagram available upon request

MODEL (metric)	Thread BSPT(R)	Weight OZ	MODEL (metric)	Thread BSPT(R)	Weight OZ	MODEL (metric)	Thread BSPT(R)	Weight OZ
HSV-M5*	M5	.85	HSV-02*	1/4	3.95	HSV-04*	1/2	9.70
HSV-01*	1/8	1.59	HSV-03*	3/8	9.74	HSV-06*	3/4	14.36

1 Per Bag * Non-stock item, subject to change, call for availability.

Nipple Hand Valve - HVM



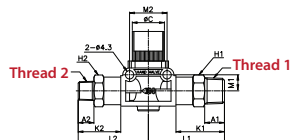
NPT Thread



BSPT(R) Thread



BSPP(G) Thread



*Actual dimensions for above diagram available upon request

MODEL (metric)	Thread NPT1	Thread NPT2	Weight OZ	MODEL (metric)	Thread NPT1	Thread NPT2	Weight OZ
HVM-N1-N1*	1/8	1/8	1.41	HVM-N3-N3*	3/8	3/8	3.25
HVM-N2-N1*	1/4		1.66	HVM-N4-N3*	1/2		3.74
HVM-N2-N2*		1.91	HVM-N4-N4*	1/2		4.20	
HVM-N3-N2*	3/8	1/4	3.10				
MODEL (metric)	Thread BSPT(R)1	Thread BSPT(R)2	Weight OZ	MODEL (metric)	Thread BSPT(R)1	Thread BSPT(R)2	Weight OZ
HVM-01-01*	1/8	1/8	1.66	HVM-03-03*	3/8	3/8	2.93
HVM-02-01*	1/4		1.73	HVM-04-03*	1/2		3.63
HVM-02-02*		1.76	HVM-04-04*	1/2		4.27	
HVM-03-02*	3/8	1/4	2.26				
MODEL (metric)	Thread BSPP(G)1	Thread BSPP(G)2	Weight OZ	MODEL (metric)	Thread BSPP(G)1	Thread BSPP(G)2	Weight OZ
HVM-G01-G01*	1/8	1/8	1.66	HVM-G03-G03*	3/8	3/8	2.93
HVM-G02-G01*	1/4		1.73	HVM-G04-G03*	1/2		3.63
HVM-G02-G02*		1.76	HVM-G04-G04*	1/2		4.27	
HVM-G03-G02*	3/8	1/4	2.26				
1 Per Bag * Non-stock item, subject to change, call for availability.							

1 Per Bag * Non-stock item, subject to change, call for availability.

Stop Fitting Straight - SPC



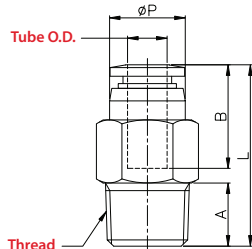
Inch Tube NPT Thread



Metric Tube BSPT(R) Thread



Metric Tube BSPP(G) Thread



*Actual dimensions for above diagram available upon request

MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ	Bag QTY	MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ	Bag QTY
SPC5/32-N1*	5/32	1/8	.42	10	SPC5/16-N3*	5/16	3/8	1.33	5
SPC3/16-N1*	3/16		.49		SPC3/8-N2	1/4	1.04		
SPC3/16-N2*		1/4	.77		SPC3/8-N3*		3/8	1.28	
SPC1/4-N1	1/4	1/8	.52	SPC3/8-N4*	1/2	2.1			
SPC1/4-N2		1/4	.80	SPC1/2-N3*	1/2	3/8	2.19		
SPC5/16-N1*	5/16	1/8	.66	SPC1/2-N4*		1/2	2.47		
SPC5/16-N2*		1/4	.62						
MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY
SPC04-01*	4mm	1/8	.35	10	SPC10-03*	10mm	3/8	1.27	5
SPC06-01*	6mm		.46		SPC10-04*		1/2	2.12	
SPC06-02		1/4	.71	SPC12-02*	1/4	1.69			
SPC08-02*	8mm		3/8	1.27	SPC12-03*	3/8	1.73		
SPC08-03*		10mm	1/4	1.69	SPC12-04*	1/2	2.26		
MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ	Bag QTY
SPC04-G01*	4mm	1/8	.35	10	SPC10-G03*	10mm	3/8	1.27	5
SPC06-G01*	6mm		.46		SPC10-G04*		1/2	2.12	
SPC06-G02*		1/4	.71	SPC12-G02*	1/4	1.69			
SPC08-G02*	8mm		3/8	1.27	SPC12-G03*	3/8	1.73		
SPC08-G03*		10mm	1/4	1.69	SPC12-G04*	1/2	2.26		
* Non-stock item, subject to change, call for availability.									

* Non-stock item, subject to change, call for availability.

Swivel Stop Fitting Elbow - SPL



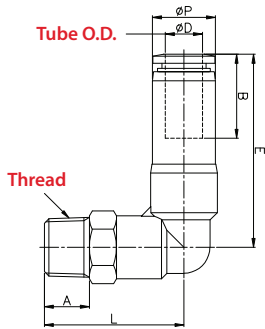
Inch Tube NPT Thread



Metric Tube BSPT(R) Thread



Metric Tube BSPP(G) Thread



*Actual dimensions for above diagram available upon request

MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ	Bag QTY	MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ	Bag QTY	MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ	Bag QTY
SPL5/32-U*	5/32	10-32	.56	10	SPL1/4-U*	1/4	10-32	.80	10	SPL3/8-N2*	3/8	1/4	1.99	5
SPL5/32-N1*	5/32	1/8	.70	5	SPL1/4-N1*	1/4	1/8	.88	5	SPL3/8-N3*	3/8	3/8	2.34	
SPL3/16-U*	3/16	10-32	.70	10	SPL1/4-N2*	1/4	1/4	1.12		SPL3/8-N4*	3/8	1/2	2.7	
SPL3/16-N1*	3/16	1/8	.73	5	SPL5/16-N1*	5/16	1/8	1.05		SPL1/2-N3*	1/2	3/8	2.9	
SPL3/16-N2*	3/16	1/4	1.09		SPL5/16-N2*	5/16	1/4	1.30		SPL1/2-N4*	1/2	1/2	3.64	
					SPL5/16-N3*	5/16	3/8	1.68						
MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY
SPL04-M5*	4mm	M5	.46	10	SPL06-02*	6mm	1/4	.95	5	SPL10-02*	10mm	1/4	2.01	5
SPL04-M6*	4mm	M6	.49		SPL08-01*	8mm	1/8	1.13		SPL10-03*	10mm	3/8	2.26	
SPL04-01*	4mm	1/8	.53		SPL08-02*	8mm	1/4	1.34		SPL10-04*	10mm	1/2	2.82	
SPL06-M5*	6mm	M5	.67	10	SPL08-03*	8mm	3/8	1.55		SPL12-03*	12mm	3/8	2.75	
SPL06-01*	6mm	1/8	.78	5						SPL12-04*	12mm	1/4	3.21	
MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ	Bag QTY
SPL04-G01*	4mm	1/8	.53	5	SPL08-G03*	8mm	3/8	1.55	5	SPL12-G03*	12mm	3/8	2.75	5
SPL06-G01*	6mm	1/8	.78		SPL10-G02*	10mm	1/4	2.01		SPL12-G04*	12mm	1/2	3.21	
SPL06-G02*	6mm	1/4	.95		SPL10-G03*	10mm	3/8	2.26						
SPL08-G02*	8mm	1/4	1.34		SPL10-G04*	10mm	1/2	2.82						

* Non-stock item, subject to change, call for availability.

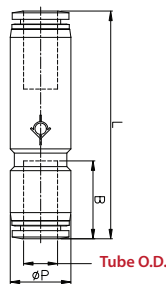
Stop Fitting Union Straight - SPU



Inch Tube



Metric Tube



*Actual dimensions for above diagram available upon request

MODEL (inch)	Tube O.D.	Weight OZ	Bag QTY	MODEL (inch)	Tube O.D.	Weight OZ	Bag QTY
SPU5/32	5/32	.23	5	SPU5/16	5/16	.44	5
SPU3/16*	3/16	.26		SPU3/8	3/8	.76	
SPU1/4	1/4	.30		SPU1/2	1/2	1.27	
MODEL (metric)	Tube O.D.	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Weight OZ	Bag QTY
SPU04*	4mm	2.05	5	SPU10	10mm	.67	5
SPU06	6mm	.28		SPU12	12mm	1.06	
SPU08*	8mm	.39					

* Non-stock item, subject to change, call for availability.

Check Valve Straight - CVPC



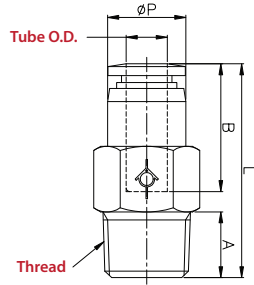
Inch Tube NPT Thread



Metric Tube BSPT(R) Thread



Metric Tube BSPP(G) Thread



*Actual dimensions for above diagram available upon request

MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ	Bag QTY	MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ	Bag QTY
CVPC5/32-U*	5/32	10-32	.42	10	CVPC5/16-N1*	5/16	1/8	.73	5
CVPC5/32-N1*		1/8	.38		CVPC5/16-N2*		1/4	.80	
CVPC3/16-U*	3/16	10-32	.42		CVPC3/8-N3*	3/8	3/8	1.60	4
CVPC3/16-N1*		1/8	.49		CVPC3/8-N4*		1/2	2.24	
CVPC3/16-N2*		1/4	.70		CVPC1/2-N3*	1/2	3/8	1.70	
CVPC1/4-N1	1/4	1/8	.63	CVPC1/2-N4*	1/2		2.40		
CVPC1/4-N2		1/4	.77	5					
MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	Bag QTY
CVPC04-M5*	4mm	M5	.39	10	CVPC08-02*	8mm	1/4	.85	5
CVPC04-M6*		M6			CVPC10-03*	10mm	3/8	1.24	4
CVPC04-01*		1/8			CVPC10-04*		1/2	1.45	
CVPC06-01*	6mm	1/4	.56		CVPC12-03	12mm	3/8	1.41	
CVPC06-02*		1/4	.85		CVPC12-04*		1/2		
CVPC08-01*	8mm	1/8	.74	5					
MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ	Bag QTY
CVPC04-G01*	4mm	1/8	.39	10	CVPC10-G03*	10mm	3/8	1.24	4
CVPC06-G01*	6mm		.56		CVPC10-G04*		1/2	1.45	
CVPC06-G02*		1/4	.85		CVPC12-G03*	12mm	3/8	1.41	
CVPC08-G01*	8mm	1/8	.74	5	CVPC12-G04*		1/2		
CVPC08-G02*		1/4	.85						
* Non-stock item, subject to change, call for availability.									

* Non-stock item, subject to change, call for availability.

Check Valve Bushing - CVPF



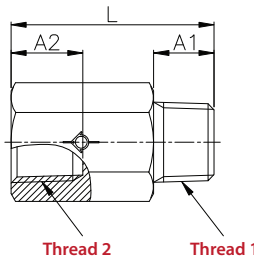
NPT Thread



BSPT(R) Thread



BSPP(G) Thread

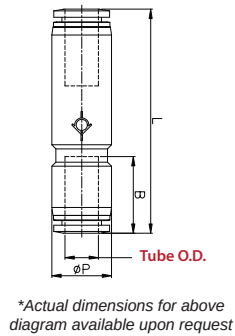


*Actual dimensions for above diagram available upon request

MODEL (inch)	Thread NPT1	Thread NPT2	Weight OZ	Bag QTY	MODEL (inch)	Thread NPT1	Thread NPT2	Weight OZ	Bag QTY
CVPF-N1-N1*	1/8		.67	10	CVPF-N3-N3*	3/8		3.88	5
CVPF-N2-N2*	1/4		1.41	5	CVPF-N4-N4*	1/2		4.76	
MODEL (metric)	Thread BSPT(R)1	Thread BSPT(R)2	Weight OZ	Bag QTY	MODEL (metric)	Thread BSPT(R)1	Thread BSPT(R)2	Weight OZ	Bag QTY
CVPF-01-01*	1/8		.56	10	CVPF-03-03*	3/8		3.77	5
CVPF-02-02*	1/4		1.34	5	CVPF-04-04*	1/2		4.62	
MODEL (metric)	Thread BSPP(G)1	Thread BSPP(G)2	Weight OZ	Bag QTY	MODEL (metric)	Thread BSPP(G)1	Thread BSPP(G)2	Weight OZ	Bag QTY
CVPF-G01-G01*	1/8		.81	10	CVPF-G03-G03*	3/8		3.60	5
CVPF-G02-G02*	1/4		1.38	5	CVPF-G04-G04*	1/2		4.27	

* Non-stock item, subject to change, call for availability.

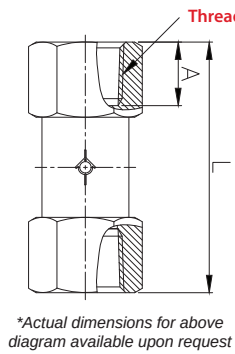
Check Valve Union Straight - CVPU



MODEL (inch)	Tube O.D.	Weight OZ	Bag QTY	MODEL (inch)	Tube O.D.	Weight OZ	Bag QTY
CVPU5/32	5/32	.17	10	CVPU5/16	5/16	.46	5
CVPU3/16	3/16	.26		CVPU3/8	3/8	1.53	
CVPU1/4	1/4	.29		CVPU1/2	1/2	2.05	
MODEL (metric)	Tube O.D.	Weight OZ	Bag QTY	MODEL (metric)	Tube O.D.	Weight OZ	Bag QTY
CVPU04	4mm	.17	10	CVPU10	10mm	1.53	5
CVPU06	6mm	.29		CVPU12	12mm	2.05	
CVPU08	8mm	.46					



Check Valve Female - CVFF



MODEL (metric)	Thread BSPT(R)1	Thread BSPT(R)2	Weight OZ	Bag QTY	MODEL (metric)	Thread BSPT(R)1	Thread BSPT(R)2	Weight OZ	Bag QTY
CVFF01-01*	1/8		.71	10	CVFF03-03*	3/8		3.31	5
CVFF02-02*	1/4		1.74	5	CVFF04-04*	1/2		4.01	

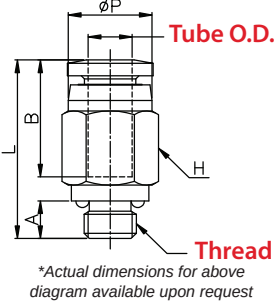
** Non-stock item, but available with minimum 8 week lead time.*

CDC Compact Fittings (Miniature)

Male Straight Hex Body - PC-C



Inch Tube NPT Thread,
Inch Tube BSPT(R) Thread &
Metric Tube BSPT(R) Thread



Metric Tube BSPP(G) Thread

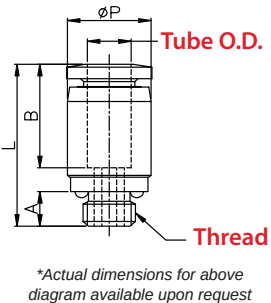
MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ	MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ	MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ
PC1/8-UC	1/8	10-32	.07	PC5/32-UC	5/32	10-32	.11	PC1/4-UC	1/4	10-32	.35
PC1/8-N0C*		1/16	.14	PC5/32-N0C*		1/16	.18	PC1/4-N0C		1/16	.53
PC1/8-N1C		1/8	.21	PC5/32-N1C		1/8	.32	PC1/4-N1C		1/8	.64
PC1/8-N2C		1/4	.53								
MODEL (inch)	Tube O.D.	Thread BSPT(R)	Weight OZ	MODEL (inch)	Tube O.D.	Thread BSPT(R)	Weight OZ	MODEL (inch)	Tube O.D.	Thread BSPT(R)	Weight OZ
PC1/8-M3C*	1/8	M3	.04	PC5/32-M3C*	5/32	M3	.11	PC1/4-M5C	1/4	M5	.35
PC1/8-M5C*		M5	.11	PC5/32-M5C*		M5	.11	PC1/4-M6C*		M6	.53
PC1/8-M6C*		M6	.14	PC5/32-M6C*		M6	.21	PC1/4-01C*		1/8	.64
PC1/8-01C*		1/8	.21	PC5/32-01C*		1/8	.21				
MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ
PC04-M3C	4mm	M3	.14	PC04-01C*	4mm	1/8	.18	PC06-M6C*	6mm	M6	.25
PC04-M5C		M5	.21	PC06-M5C	6mm	M5	.32	PC06-01C*		1/8	.26
PC04-M6C*		M6	.28								
MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ	MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ				
PC04-G01C*	4mm	1/8	.28	PC06-G01C*	6mm	1/8	.32				

10 Per Bag * Non-stock item, subject to change, call for availability.

Male Straight Round Body - POC-C



Inch Tube NPT Thread,
Inch Tube BSPT(R) Thread &
Metric Tube BSPT(R) Thread



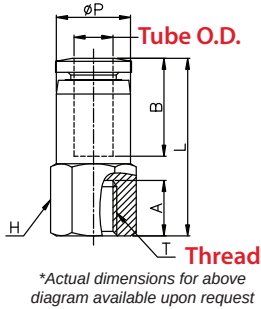
MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ	MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ	MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ
POC1/8-UC*	1/8	10-32	.07	POC5/32-UC	5/32	10-32	.11	POC1/4-UC*	1/4	10-32	.42
POC1/8-N0C*		1/16	.18	POC5/32-N0C*		1/16	.14	POC1/4-N0C*		1/16	.56
POC1/8-N1C		1/8	.21	POC5/32-N1C		1/8	.32	POC1/4-N1C*		1/8	.64
MODEL (inch)	Tube O.D.	Thread BSPT(R)	Weight OZ	MODEL (inch)	Tube O.D.	Thread BSPT(R)	Weight OZ	MODEL (inch)	Tube O.D.	Thread BSPT(R)	Weight OZ
POC1/8-M3C*	1/8	M3	.07	POC5/32-M3C*	5/32	M3	.11	POC1/4-M5C*	1/4	M5	.42
POC1/8-M5C*		M5	.14	POC5/32-M5C*		M5	.14	POC1/4-M6C*		M6	.56
POC1/8-M6C*		M6	.21	POC5/32-M6C*		M6	.21	POC1/4-01C*		1/8	.64
POC1/8-01C*		1/8	.21	POC5/32-01C*		1/8	.21				
MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ
POC04-M3C	4mm	M3	.11	POC04-01C*	4mm	1/8	.18	POC06-M6C*	6mm	M6	.18
POC04-M5C*		M5	.14	POC06-M5C*	6mm	M5	.18	POC06-01C*		1/8	.21
POC04-M6C*		M6									

10 Per Bag * Non-stock item, subject to change, call for availability.

Female Straight - PCF-C



Inch Tube NPT Thread,
Inch Tube BSPT(R) Thread &
Metric Tube BSPT(R) Thread



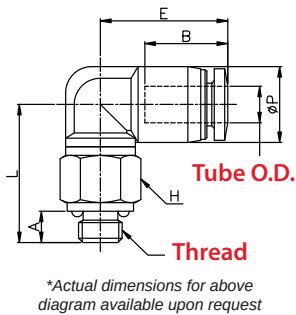
MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ	MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ	MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ
PCF1/8-UC	1/8	10-32	.07	PCF5/32-UC*	5/32	10-32	.18	PCF1/4-UC*	1/4	10-32	.21
PCF1/8-N0C*		1/16	.11	PCF5/32-N0C*		1/16	.21	PCF1/4-N0C*		1/16	.25
PCF1/8-N1C		1/8		PCF5/32-N1C*		1/8		PCF1/4-N1C*		1/8	.28
PCF1/8-N2C*		1/4	.25								
MODEL (inch)	Tube O.D.	Thread BSPT(R)	Weight OZ	MODEL (inch)	Tube O.D.	Thread BSPT(R)	Weight OZ	MODEL (inch)	Tube O.D.	Thread BSPT(R)	Weight OZ
PCF1/8-M3C*	1/8	M3	.14	PCF5/32-M3C*	5/32	M3	.14	PCF1/4-M5C*	1/4	M5	.18
PCF1/8-M5C*		M5		PCF5/32-M5C*		M5	.18	PCF1/4-M6C*		M6	.21
PCF1/8-M6C*		M6	.18	PCF5/32-M6C*		M6	.21	PCF1/4-01C*		1/8	
PCF1/8-01C*		1/8	.11	PCF5/32-01C*		1/8					
MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ
PCF04-M3C*	4mm	M3	.11	PCF04-01C*	4mm	1/8	.18	PCF06-M6C*	6mm	M6	.18
PCF04-M5C*		M5	.14	PCF06-M5C*	6mm	M5		PCF06-01C*		1/8	.21
PCF04-M6C*		M6									

10 Per Bag * Non-stock item, subject to change, call for availability.

Swivel Male Elbow - PL-C



Inch Tube NPT Thread,
Inch Tube BSPT(R) Thread &
Metric Tube BSPT(R) Thread



Metric Tube BSPP(G) Thread

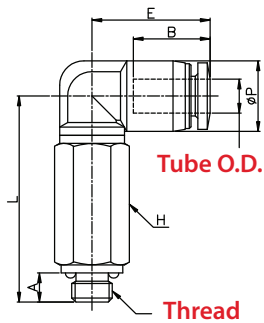
MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ	MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ	MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ
PL1/8-UC	1/8	10-32	.07	PL5/32-UC	5/32	10-32	.18	PL1/4-UC	1/4	10-32	.35
PL1/8-N0C*		1/16	.11	PL5/32-N0C*		1/16	.21	PL1/4-N0C*		1/16	.42
PL1/8-N1C		1/8	.18	PL5/32-N1C		1/8		PL1/4-N1C		1/8	.56
PL1/8-N2C		1/4	.28								
MODEL (inch)	Tube O.D.	Thread BSPT(R)	Weight OZ	MODEL (inch)	Tube O.D.	Thread BSPT(R)	Weight OZ	MODEL (inch)	Tube O.D.	Thread BSPT(R)	Weight OZ
PL1/8-M3C*	1/8	M3	.07	PL5/32-UC	5/32	10-32	.18	PL5/32-01C*	5/32	1/8	.35
PL1/8-M5C*		M5	.11	PL5/32-M3C*		M3	.18	PL1/4-M5C*	1/4	M5	.42
PL1/8-M6C*		M6	.18	PL5/32-M5C		M5	.14	PL1/4-M6C*		M6	.56
PL1/8-01C*		1/8	.32	PL5/32-M6C*		M6		PL1/4-01C*		1/8	
MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ
PL04-M3C	4mm	M3		PL04-01C*	4mm	1/8	.25	PL06-M6C*	6mm	M6	.18
PL04-M5C		M5	.14	PL06-M5C	6mm	M5	.14	PL06-01C		1/8	.25
PL04-M6C*		M6									
MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ	MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ				
PL04-G01C*	4mm	1/8	.25	PL06-G01C*	6mm	1/8	.21				

10 Per Bag * Non-stock item, subject to change, call for availability.

Swivel Extended Male Elbow - PLL-C



Inch Tube NPT Thread,
Inch Tube BSPT(R) Thread &
Metric Tube BSPT(R) Thread



*Actual dimensions for above
diagram available upon request

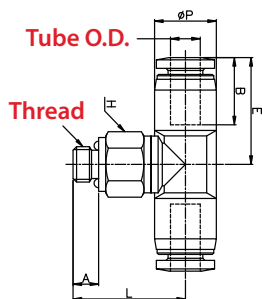
MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ	MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ	MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ
PLL1/8-UC		10-32	.28	PLL5/32-UC*		10-32	.28	PLL1/4-UC*		10-32	.32
PLL1/8-N0C*	1/8	1/16	.32	PLL5/32-N0C*	5/32	1/16	.32	PLL1/4-N0C*	1/4	1/16	.39
PLL1/8-N1C*		1/8	.39	PLL5/32-N1C*		1/8	.46	PLL1/4-N1C*		1/8	.49
MODEL (inch)	Tube O.D.	Thread BSPT(R)	Weight OZ	MODEL (inch)	Tube O.D.	Thread BSPT(R)	Weight OZ	MODEL (inch)	Tube O.D.	Thread BSPT(R)	Weight OZ
PLL1/8-M3C*		M3	.11	PLL5/32-M3C*		M3	.25	PLL1/4-M5C*		M5	.39
PLL1/8-M5C*	1/8	M5	.28	PLL5/32-M5C*	5/32	M5	.28	PLL1/4-M6C*	1/4	M6	.49
PLL1/8-M6C*		M6		PLL5/32-M6C*		M6	.28	PLL1/4-01C*		1/8	.64
PLL1/8-01C*		1/8	.42	PLL5/32-01C*		1/8	.46				
MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ
PLL04-M3C*		M3		PLL04-01C*	4mm	1/8	.46	PLL06-M6C*	6mm	M6	.32
PLL04-M5C*	4mm	M5	.28	PLL06-M5C*	6mm	M5	.32	PLL06-01C*		1/8	.49
PLL04-M6C*		M6									

10 Per Bag * Non-stock item, subject to change, call for availability.

Swivel Male Branch Tee - PT-C



Inch Tube NPT Thread,
Inch Tube BSPT(R) Thread &
Metric Tube BSPT(R) Thread



*Actual dimensions for above
diagram available upon request

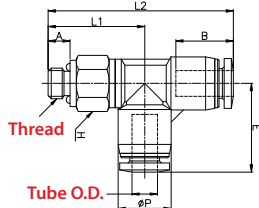
MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ	MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ	MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ
PT1/8-UC		10-32	.07	PT5/32-UC*		10-32	.18	PT1/4-UC*		10-32	.35
PT1/8-N0C*	1/8	1/16	.11	PT5/32-N0C*	5/32	1/16	.18	PT1/4-N0C*	1/4	1/16	.42
PT1/8-N1C		1/8	.18	PT5/32-N1C*		1/8	.21	PT1/4-N1C		1/8	.56
MODEL (inch)	Tube O.D.	Thread BSPT(R)	Weight OZ	MODEL (inch)	Tube O.D.	Thread BSPT(R)	Weight OZ	MODEL (inch)	Tube O.D.	Thread BSPT(R)	Weight OZ
PT1/8-M3C*		M3	.07	PT5/32-M3C*		M3	.15	PT1/4-M5C*		M5	.35
PT1/8-M5C*	1/8	M5	.11	PT5/32-M5C*	5/32	M5	.18	PT1/4-M6C*	1/4	M6	.42
PT1/8-M6C*		M6	.15	PT5/32-M6C*		M6	.18	PT1/4-01C*		1/8	.56
PT1/8-01C*		1/8	.18	PT5/32-01C*		1/8	.25				
MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ
PT04-M3C*		M3	.18	PT04-01C*	4mm	1/8	.25	PT06-M6C*	6mm	M6	.25
PT04-M5C*	4mm	M5		PT06-M5C*	6mm	M5		PT06-01C*		1/8	.32
PT04-M6C		M6	.21								

10 Per Bag * Non-stock item, subject to change, call for availability.

Swivel Male Run Tee - PST-C



Inch Tube NPT Thread,
Inch Tube BSPT(R) Thread &
Metric Tube BSPT(R) Thread



*Actual dimensions for above
diagram available upon request

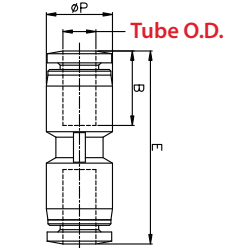
MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ	MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ	MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ
PST1/8-UC	1/8	10-32	.07	PST5/32-UC*	5/32	10-32	.18	PST1/4-UC*	1/4	10-32	.35
PST1/8-N0C*		1/16	.11	PST5/32-N0C*		1/16		PST1/4-N0C*		1/16	.42
PST1/8-N1C		1/8	.18	PST5/32-N1C*		1/8	.21	PST1/4-N1C*		1/8	.56
MODEL (inch)	Tube O.D.	Thread BSPT(R)	Weight OZ	MODEL (inch)	Tube O.D.	Thread BSPT(R)	Weight OZ	MODEL (inch)	Tube O.D.	Thread BSPT(R)	Weight OZ
PST1/8-M3C*	1/8	M3	.07	PST5/32-M3C*	5/32	M3	.14	PST1/4-M5C*	1/4	M5	.35
PST1/8-M5C*		M5	.11	PST5/32-M5C*		M5	.18	PST1/4-M6C*		M6	.42
PST1/8-M6C*		M6	.14	PST5/32-M6C*		M6	.21	PST1/4-01C*		1/8	.56
PST1/8-01C*		1/8	.21	PST5/32-01C*		1/8					
MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ
PST04-M3C	4mm	M3	.18	PST04-01C*	4mm	1/8	.32	PST06-M6C*	6mm	M6	.25
PST04-M5C*		M5	.21	PST06-M5C*	6mm	M5	.25	PST06-01C*		1/8	.35
PST04-M6C*		M6									

10 Per Bag * Non-stock item, subject to change, call for availability.

Union Straight - PUC-C



Inch Tube &
Metric Tube



*Actual dimensions for above
diagram available upon request

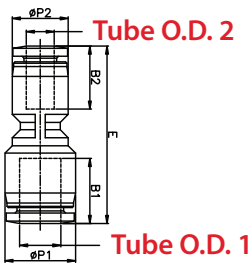
MODEL (inch)	Tube O.D.	Weight OZ	MODEL (inch)	Tube O.D.	Weight OZ	MODEL (inch)	Tube O.D.	Weight OZ
PUC1/8C	1/8	.04	PUC5/32C	5/32	.07	PUC1/4C	1/4	.11
MODEL (metric)	Tube O.D.	Weight OZ	MODEL (metric)	Tube O.D.	Weight OZ			
PUC04C*	4mm	.11	PUC06C	6mm	.11			

10 Per Bag * Non-stock item, subject to change, call for availability.

Reducer - PG-C



Inch Tube &
Metric Tube



*Actual dimensions for above
diagram available upon request

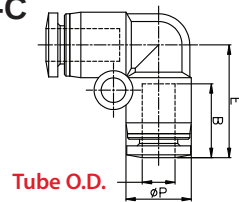
MODEL (inch)	Tube O.D. 1	Tube O.D. 2	Weight OZ	MODEL (inch)	Tube O.D. 1	Tube O.D. 2	Weight OZ
PG5/32-1/8C	5/32	1/8	.07	PG1/4-5/32C*	1/4	5/32	.11
PG1/4-1/8C	1/4	1/8	.11				
MODEL (metric)	Tube O.D. 1	Tube O.D. 2	Weight OZ	MODEL (metric)	Tube O.D. 1	Tube O.D. 2	Weight OZ
PG04-03C*	4mm	3mm	.11	PG06-04C	6mm	4mm	.11
PG06-03C*	6mm						

10 Per Bag * Non-stock item, subject to change, call for availability.

Union Elbow - PUL-C



Inch Tube &
Metric Tube



*Actual dimensions for above
diagram available upon request

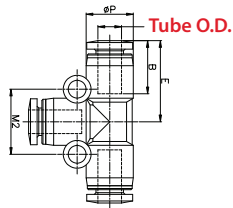
MODEL (inch)	Tube O.D.	Weight OZ	MODEL (inch)	Tube O.D.	Weight OZ	MODEL (inch)	Tube O.D.	Weight OZ
PUL1/8C	1/8	.07	PUL5/32C*	5/32	.11	PUL1/4C	1/4	.18
MODEL (metric)	Tube O.D.	Weight OZ	MODEL (metric)	Tube O.D.	Weight OZ			
PUL04C*	4mm	.11	PUL06C*	6mm	.11			

10 Per Bag * Non-stock item, subject to change, call for availability.

Union Tee - PUT-C



Inch Tube &
Metric Tube



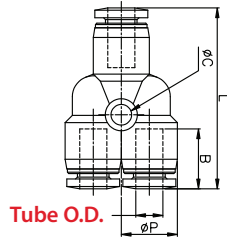
*Actual dimensions for above
diagram available upon request

MODEL (inch)	Tube O.D.	Weight OZ	MODEL (inch)	Tube O.D.	Weight OZ	MODEL (inch)	Tube O.D.	Weight OZ
PUT1/8C	1/8	.11	PUT5/32C	5/32	.11	PUT1/4C*	1/4	.21
MODEL (metric)	Tube O.D.	Weight OZ	MODEL (metric)	Tube O.D.	Weight OZ			
PUT04C*	4mm	.11	PUT06C*	6mm	.21			
10 Per Bag * Non-stock item, subject to change, call for availability.								

Union Y - PY-C



Inch Tube &
Metric Tube



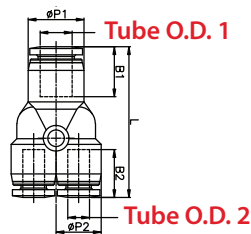
*Actual dimensions for above
diagram available upon request

MODEL (inch)	Tube O.D.	Weight OZ	MODEL (inch)	Tube O.D.	Weight OZ	MODEL (inch)	Tube O.D.	Weight OZ
PY1/8C	1/8	.14	PY5/32C	5/32	.11	PY1/4C	1/4	.18
MODEL (metric)	Tube O.D.	Weight OZ	MODEL (metric)	Tube O.D.	Weight OZ			
PY04C*	4mm	.18	PY06C*	6mm	.21			
10 Per Bag * Non-stock item, subject to change, call for availability.								

Reducer Y - PW-C



Inch Tube &
Metric Tube



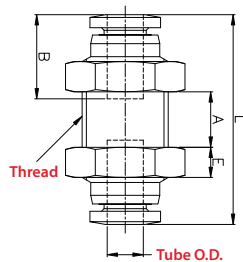
*Actual dimensions for above
diagram available upon request

MODEL (inch)	Tube O.D. 1	Tube O.D. 2	Weight OZ	MODEL (inch)	Tube O.D. 1	Tube O.D. 2	Weight OZ
PW5/32-1/8C	5/32	1/8	.14	PW1/4-5/32C*	1/4	5/32	.18
PW1/4-1/8C*	1/4		.18				
MODEL (metric)	Tube O.D. 1	Tube O.D. 2	Weight OZ	MODEL (metric)	Tube O.D. 1	Tube O.D. 2	Weight OZ
PW04-03C*	4mm	3mm	.11	PW06-04C	6mm	4mm	.18
PW06-03C*	6mm		.14				
10 Per Bag * Non-stock item, subject to change, call for availability.							

Bulkhead Union - PMM-C



Metric Tube



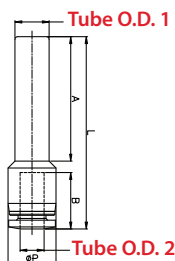
*Actual dimensions for above
diagram available upon request
Panel Mount

MODEL (metric)	Tube O.D.	Weight OZ	MODEL (metric)	Tube O.D.	Weight OZ
PMM-04C*	4mm	.11	PMM-06C*	6mm	.18
10 Per Bag * Non-stock item, subject to change, call for availability.					

Plug In Reducer - PGJ-C



Inch Tube &
Metric Tube



*Actual dimensions for above
diagram available upon request

MODEL (inch)	Tube O.D. 1	Tube O.D. 2	Weight OZ	MODEL (inch)	Tube O.D. 1	Tube O.D. 2	Weight OZ
PGJ5/32-1/8C	5/32	1/8	.04	PGJ1/4-5/32C*	1/4	5/32	.11
PGJ1/4-1/8C	1/4		.07				
MODEL (metric)	Tube O.D. 1	Tube O.D. 2	Weight OZ	MODEL (metric)	Tube O.D. 1	Tube O.D. 2	Weight OZ
PGJ04-03C*	4mm	3mm	.04	PGJ06-04C*	6mm	4mm	.11
PGJ06-03C*	6mm		.07				
10 Per Bag * Non-stock item, subject to change, call for availability.							

Nickel Plated Brass Fittings with Metal Release Ring

Part Numbering System



B 06-01ML-PT

Body Material
B=Brass

Tube
OD 1032 = 10-32 UNF
M5 = M5 x 0.8
01 = 1/8"
02 = 1/4"
03 = 3/8"
04 = 1/2"

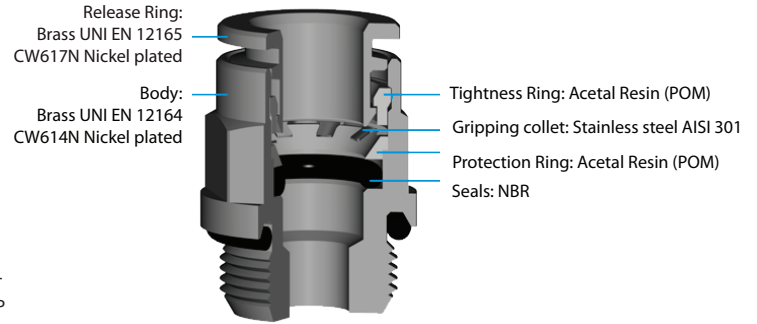
Thread size

Model

NPT Thread = No Mark
BSPT(R) Thread = PT
BSPP(G) Thread = PP

Fractional tubing sizes are with NPT thread.
Metric tubing sizes are with BSPT(R) & BSPP(G) thread.

Material of Construction:



Available Sizes:

Fractional sizes available:
5/32", 3/16", 1/4", 5/16", 3/8", & 1/2" tube OD

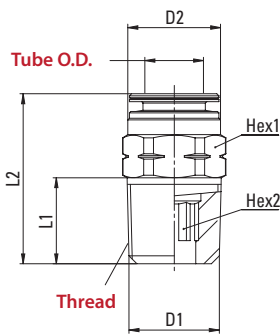
Metric sizes available:
4mm, 6mm, 8mm, 10mm, 12mm, & 14mm

Recommended tolerance on tube $\pm 0.05\text{mm}$

Male Straight



Inch Tube NPT Thread
Metric Tube BSPT(R) Thread



*Actual dimensions for above diagram available upon request



Metric Tube BSPP(G) Thread

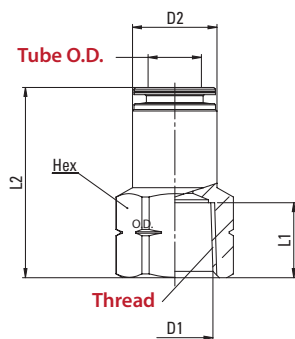
MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ	MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ	MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ
B18-1032M*	1/8	10-32	.09	B14-1032M	1/4	10-32	.30	B38-01M	3/8	1/8	.79
B18-01M		1/8	.34	B14-01M		1/8	.37	B38-02M		1/4	.95
B532-1032M	5/32	10-32	.19	B14-02M	5/16	1/4	.65	B38-03M		3/8	.90
B532-01M		1/8	.32	B516-01M		1/8	.54	B38-04M		1/2	1.98
B532-02M*		1/4	.71	B516-02M		1/4	.56	B12-02M	1/2	1/4	1.25
				B516-03M		3/8	1.00	B12-03M		3/8	.97
								B12-04M		1/2	1.61
MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ
B04-M5M	4mm	M5	.16	B06-02M-PT	6mm	1/4	.49	B12-02M-PT	12mm	1/4	.85
B04-M6M*		M6	.20	B08-01M-PT		1/8	.47	B12-03M-PT		3/8	
B04-01M-PT		1/8	.19	B08-02M-PT	8mm	1/4	.49	B12-04M-PT		1/2	1.49
B04-02M-PT		1/4	.57	B08-03M-PT		3/8	.83	B14-03M-PT	14mm	3/8	
B06-M5M*	6mm	M5	.19	B10-02M-PT	10mm	1/4	.71	B14-04M-PT		1/2	1.39
B06-M6M*		M6	.20	B10-03M-PT		3/8	.73				
B06-01M-PT		1/8	.31	B10-04M-PT		1/2	1.68				
MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ	MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ	MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ
B04-01M-PP	4mm	1/8	.22	B08-03M-PP	8mm	3/8	.71	B12-04M-PP*	12mm	1/2	1.27
B04-02M-PP*		1/4	.42	B10-02M-PP		1/4	.61	B14-03M-PP		3/8	1.32
B06-01M-PP	6mm	1/8	.31	B10-03M-PP	10mm	3/8	.80	B14-04M-PP*	14mm	1/2	1.50
B06-02M-PP		1/4	.45	B10-04M-PP*		1/2	1.22	B06-12x1.25*M*		12x1.25	.42
B08-01M-PP	8mm	1/8	.40	B12-02M-PP*	12mm	1/4	.92	B06-12x1.5*M*	6mm	12x1.5	.46
B08-02M-PP		1/4	.48	B12-03M-PP		3/8	1.02				

10 Per Bag * Non-stock item, subject to change, call for availability.

Female Straight



Inch Tube NPT Thread
Metric Tube BSPP(G) Thread



*Actual dimensions for above diagram available upon request

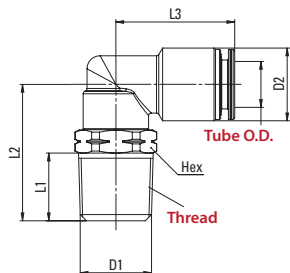
MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ	MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ
B532-01F	5/32	1/8	.41	B516-01F*	5/16	1/8	.71
B14-01F	1/4		.49	B516-02F		1/4	1.01
B14-02F		1/4	.94	B38-02F	3/8	1/4	1.18
				B38-03F		3/8	1.32
MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ	MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ
B04-01F-PP*	4mm	1/8	.22	B08-01F-PP*	8mm	1/8	.40
B06-01F-PP*	6mm		.32	B08-02F-PP*		1/4	.48
B06-02F-PP*		1/4	.45	B10-02F-PP	10mm	3/8	.61
				B10-03F-PP*		3/8	.80
10 Per Bag * Non-stock item, subject to change, call for availability.							

10 Per Bag * Non-stock item, subject to change, call for availability.

Swivel Male Elbow



Inch Tube NPT Thread
Metric Tube BSPT(R)



*Actual dimensions for above diagram available upon request



Metric Tube BSPP(G) Thread

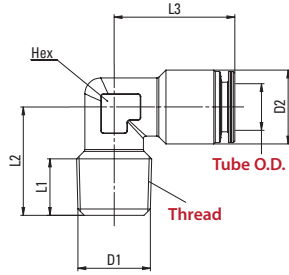
MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ	MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ	MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ
B18-1032ML	1/8	10-32	.28	B14-02ML	1/4	1/4	.86	B38-03ML	3/8	3/8	1.53
B18-01ML		1/8	.37	B516-01ML	5/16	1/8	.81	B38-04ML		1/2	2.19
B532-1032ML	5/32	10-32	.35	B516-02ML		1/4	.97	B12-02ML	1/2	1/4	2.38
B532-01ML		1/8	.44	B516-03ML	3/8	3/8	1.41	B12-03ML		3/8	2.26
B532-02ML	1/4	1/4	.79	B38-01ML		1/8	1.38	B12-04ML	1/2	1/2	2.70
B14-01ML		1/8	.69	B38-02ML	1/4	1/4	1.50				
MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ
B04-M5ML	4mm	M5	.35	B06-01ML-PT	6mm	1/8	.68	B10-02ML-PT	10mm	1/4	1.36
B04-M6ML*		M6	.35	B06-02ML-PT		1/4	.82	B10-03ML-PT		3/8	1.45
B04-01ML-PT		1/8	.37	B08-01ML-PT	8mm	1/8	.80	B12-03ML-PT	12mm	1/2	2.18
B04-02ML-PT*		1/4	.74	B08-02ML-PT		1/4	.93	B12-04ML-PT*		1/2	2.52
B06-M5ML*	6mm	M5	.42	B08-03ML-PT	3/8	3/8	1.38	B14-03ML-PT*	14mm	3/8	2.34
B06-M6ML*		M6	.42					B14-04ML-PT*		1/2	2.63
MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ	MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ	MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ
B04-01ML-PP	4mm	1/8	.55	B08-03ML-PP	8mm	3/8	1.33	B12-04ML-PP	12mm	1/2	2.30
B04-02ML-PP		1/4	.67	B10-02ML-PP	10mm	1/4	1.20	B14-03ML-PP*	14mm	3/8	2.17
B06-01ML-PP	6mm	1/8	.65	B10-03ML-PP*		3/8	1.38	B14-04ML-PP*		1/2	2.47
B06-02ML-PP		1/4	.77	B10-04ML-PP*	12mm	1/2	1.52	B06-12x1.25*ML*	6mm	12x1.25	.78
B08-01ML-PP	8mm	1/8	.78	B12-02ML-PP		1/4	2.07	B06-12x1.5* ML*		12x1.5	
B08-02ML-PP		1/4	.89	B12-03ML-PP*	3/8	3/8	1.98				

10 Per Bag * Non-stock item, subject to change, call for availability.

Rigid Male Elbow (Non Swivel)



Inch Tube NPT Thread
Metric Tube BSPT(R) Thread



*Actual dimensions for above diagram available upon request

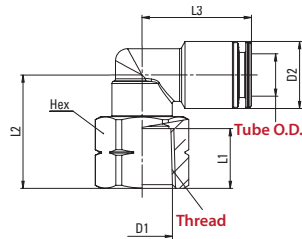
MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ	MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ
B532-01MLR	5/32	1/8	.32	B516-01MLR	5/16	1/8	.72
B14-01MLR	1/4		.46	B516-02MLR*		1/4	.79
B14-02MLR		1/4	.60	B38-02MLR	3/8	1/4	1.04
				B38-03MLR*		3/8	1.18
MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ
B04-01MLR-PT*	4mm	1/8	.29	B08-01MLR-PT*	8mm	1/8	.69
B04-02MLR-PT*		1/4	.49	B08-02MLR-PT*		1/4	.80
B06-01MLR-PT	6mm	1/8	.47	B10-02MLR-PT*	10mm	1/4	.96
B06-02MLR-PT*		1/4	.59	B10-03MLR-PT*		3/8	1.13
10 Per Bag * Non-stock item, subject to change, call for availability.							

10 Per Bag * Non-stock item, subject to change, call for availability.

Swivel Female Elbow



Inch Tube NPT Thread
Metric Tube BSPT(R) Thread



*Actual dimensions for above diagram available upon request

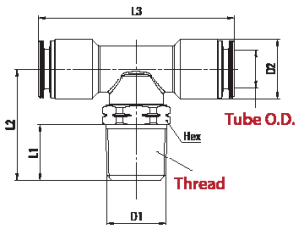
MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ	MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ
B532-01FL*	5/32	1/8	.74	B516-01FL*	5/16	1/8	.94
B14-01FL*	1/4		.79	B516-02FL*		1/4	1.29
B14-02FL		1/4	1.13	B38-02FL	3/8	1/4	1.57
				B38-03FL*		3/8	1.71
MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ
B04-01FL-PT*	4mm	1/8	.61	B08-01FL-PT*	8mm	1/8	.82
B06-01FL-PT	6mm		.70	B08-02FL-PT*		1/4	1.03
B06-02FL-PT*		1/4	.90	B10-02FL-PT*	10mm	1/4	1.26
				B10-03FL-PT*		3/8	1.53
10 Per Bag * Non-stock item, subject to change, call for availability.							

10 Per Bag * Non-stock item, subject to change, call for availability.

Swivel Male Tee



Inch Tube NPT Thread
Metric Tube BSPT(R) Thread



*Actual dimensions for above diagram available upon request



Metric Tube BSPP(G) Thread

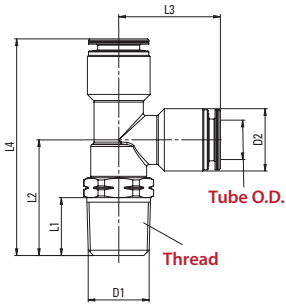
MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ	MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ	MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ
B18-01MT	1/8	1/8	.67	B14-01MT	1/4	1/8	.90	B38-02MT	3/8	1/4	1.91
B532-01MT	5/32		.78	B14-02MT		1/4	1.08	B38-03MT		3/8	
B532-02MT		1/4	.95	B516-01MT	5/16	1/8	1.11	B12-02MT	1/2	1/4	2.75
				B516-02MT		1/4	1.31	B12-03MT		3/8	3.30
MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ
B04-01MT-PT	4mm	1/8	.76	B08-01MT-PT	8mm	1/8	1.10	B10-03MT-PT	10mm	3/8	1.82
B04-02MT-PT		1/4	.90	B08-02MT-PT		1/4	1.25	B12-03MT-PT	12mm	3/8	2.82
B06-01MT-PT*	6mm	1/8	.93	B08-03MT-PT	10mm	3/8	1.73	B12-04MT-PT		1/2	3.11
B06-02MT-PT		1/4	1.07	B10-02MT-PT		1/4	1.76				
MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ	MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ	MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ
B04-01MT-PP*	4mm	1/8	.71	B08-01MT-PP	8mm	1/8	1.08	B10-02MT-PP**	10mm	1/4	1.57
B04-02MT-PP*		1/4	.84	B08-02MT-PP*		1/4	1.19	B10-03MT-PP*		3/8	1.75
B06-01MT-PP*	6mm	1/8	.89	B08-03MT-PP*		3/8	1.64	B12-03MT-PP*	12mm	1/2	2.66
B06-02MT-PP*		1/4	1.03					B12-04MT-PP*		1/2	2.89
10 Per Bag * Non-stock item, subject to change, call for availability.											

10 Per Bag * Non-stock item, subject to change, call for availability.

Swivel Male Run Tee



Inch Tube NPT Thread
Metric Tube BSPT(R) Thread



*Actual dimensions for above diagram available upon request



Metric Tube BSPP(G) Thread

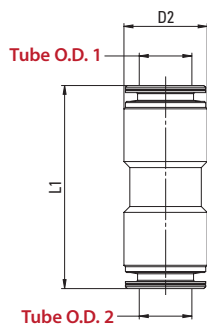
MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ	MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ	MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ	
B18-01RT*	1/8	1/8	.67	B14-01RT	1/4	1/8	.90	B38-02RT	3/8	1/4	1.91	
B532-01RT	5/32		.81	B14-02RT		1/4	1.08	B38-03RT		3/8	1.94	
B532-02RT*		1/4	.95	B516-01RT*	5/16	1/8	1.11	B12-03RT	1/2	1/2	3.18	
			B516-02RT	1/4		1.32	B12-04RT*					
MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	
B04-01RT-PT*	4mm	1/8	.78	B08-01RT-PT*	8mm	1/8	1.09	B12-03RT-PT*	12mm	3/8	2.65	
B04-02RT-PT*		1/4	.90	B08-02RT-PT*		1/4	1.24	B12-04RT-PT*		1/2	2.95	
B06-01RT-PT*	6mm	1/8	.97	B10-02RT-PT*	10mm	1/4	1.76					
B06-02RT-PT*		1/4	1.09	B10-03RT-PT*		3/8	1.80					
MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ	MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ	MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ	
B04-01RT-PP*	4mm	1/8	.72	B08-01RT-PP*	8mm	1/8	1.06	B12-03RT-PP*	12mm	3/8	2.58	
B04-02RT-PP*		1/4	.85	B08-02RT-PP*		1/4	1.18	B12-04RT-PP*		1/2	2.72	
B06-01RT-PP*	6mm	1/8	.92	B10-02RT-PP*	10mm	1/4	1.55					
B06-02RT-PP*		1/4	1.04	B10-03RT-PP*		3/8	1.73					
10 Per Bag * Non-stock item, subject to change, call for availability.												

10 Per Bag * Non-stock item, subject to change, call for availability.

Union & Reducing Union



Inch Tube & Metric Tube



*Actual dimensions for above diagram available upon request

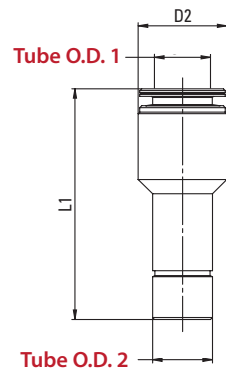
MODEL (inch)	Tube O.D. 1	Tube O.D. 2	Weight OZ	MODEL (inch)	Tube O.D. 1	Tube O.D. 2	Weight OZ
B18U	1/8		.11	B516U(8MM)	5/16		.64
B532U(4MM)	5/32		.27	B38U	3/8		.88
B14U	1/4		.48	B12U	1/2		1.11
MODEL (metric)	Tube O.D. 1	Tube O.D. 2	Weight OZ	MODEL (metric)	Tube O.D. 1	Tube O.D. 2	Weight OZ
B532U(4MM)	4mm		.24	B10U	10mm		.79
B06U	6mm		.53	B10-08U*	10mm	8mm	.89
B06-04U*	6mm	4mm	.52	B12MU	12mm		1.29
B516U(8MM)	8mm		.64	B14MU*	14mm		1.67
B08-06U	8mm	6mm	.74				

10 Per Bag * Non-stock item, subject to change, call for availability.

Tube Reducer



Inch Tube &
Metric Tube



**Actual dimensions for above
diagram available upon request*

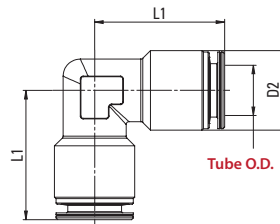
MODEL (inch)	Tube O.D. 1	Tube O.D. 2	Weight OZ	MODEL (inch)	Tube O.D. 1	Tube O.D. 2	Weight OZ
B18-532R*	1/8	5/32	.09	B14-12R*	1/4	1/2	.88
B532-14R*	5/32	1/4	.27	B516-38R*	5/16	3/8	.55
B14-516R*	1/4	5/16	.41	B38-12R*	3/8	1/2	.86
B14-38R		3/8	.48				
MODEL (metric)	Tube O.D. 1	Tube O.D. 2	Weight OZ	MODEL (metric)	Tube O.D. 1	Tube O.D. 2	Weight OZ
B04-06R	4mm	6mm	.25	B06-14R*	6mm	14mm	.88
B04-08R*		8mm	.35	B08-06R*	8mm	6mm	.48
B04-10R*		10mm	.53	B08-10R*		10mm	.53
B04-12R*		12mm	.86	B08-12R		12mm	.81
B06-04R	6mm	4mm	.35	B08-14R*		14mm	1.11
B06-08R*		8mm	.41	B10-12R	10mm	12mm	.71
B06-10R*		10mm	.55	B10-14R*		14mm	1.04
B06-12R*		12mm	.78	B12-14R*		14mm	.85

10 Per Bag * Non-stock item, subject to change, call for availability.

Union Elbow



Inch Tube &
Metric Tube



**Actual dimensions for above
diagram available upon request*

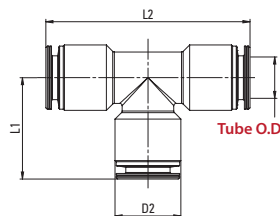
MODEL (inch)	Tube O.D.	Weight OZ	MODEL (inch)	Tube O.D.	Weight OZ
B18UL	1/8	.16	B516UL(8MM)	5/16	.83
B532UL(4MM)	5/32	.34	B38UL	3/8	1.13
B14UL	1/4	.55	B12UL	1/2	1.82
MODEL (metric)	Tube O.D.	Weight OZ	MODEL (metric)	Tube O.D.	Weight OZ
B532UL(4MM)	4mm	.32	B10UL	10mm	1.04
B06UL	6mm	.58	B12MUL	12mm	1.71
B516UL(8MM)	8mm	.78	B14MUL*	14mm	2.05

10 Per Bag * Non-stock item, subject to change, call for availability.

Union Tee



Inch Tube &
Metric Tube



**Actual dimensions for above
diagram available upon request*

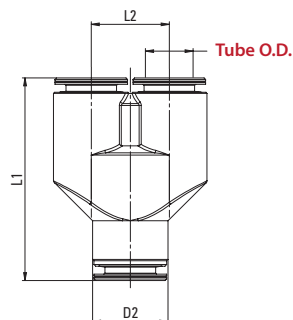
MODEL (inch)	Tube O.D.	Weight OZ	MODEL (inch)	Tube O.D.	Weight OZ
B18UT	1/8	.19	B516UT(8MM)	5/16	.99
B532UT(4MM)	5/32	.44	B38UT	3/8	1.48
B14UT	1/4	.71	B12UT	1/2	2.43
MODEL (metric)	Tube O.D.	Weight OZ	MODEL (metric)	Tube O.D.	Weight OZ
B532UT(4MM)	4mm	.44	B10UT	10mm	1.38
B06UT	6mm	.79	B12MUT	12mm	2.16
B516UT(8MM)	8mm	1.00	B14MUT*	14mm	2.72

10 Per Bag * Non-stock item, subject to change, call for availability.

Union & Reducer “Y”



Inch Tube &
Metric Tube



*Actual dimensions for above
diagram available upon request

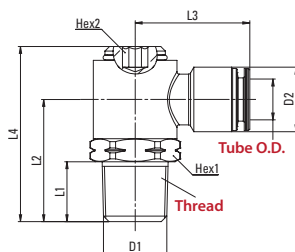
MODEL (inch)	Tube O.D. 1	Tube O.D. 2	Weight OZ	MODEL (inch)	Tube O.D. 1	Tube O.D. 2	Weight OZ
B18UY	1/8		.64	B14UY	1/4		1.09
B532UY(4MM)	5/32		.48	B516UY(8MM)	5/16		1.48
MODEL (metric)	Tube O.D. 1	Tube O.D. 2	Weight OZ	MODEL (metric)	Tube O.D. 1	Tube O.D. 2	Weight OZ
B532UY(4MM)	4mm		.48	B12MUY	12mm		3.38
B06UY	6mm		1.13	B06-04UY*	6mm	4mm	1.27
B516UY(8MM)	8mm		1.50	B08-06UY*	8mm	6mm	1.80
B10UY*	10mm		2.21	B10-08UY*	10mm	8mm	2.64

10 Per Bag * Non-stock item, subject to change, call for availability.

Swivel Banjo Fitting



Inch Tube NPT Thread
Metric Tube BSPT(R) Thread



*Actual dimensions for above
diagram available upon request

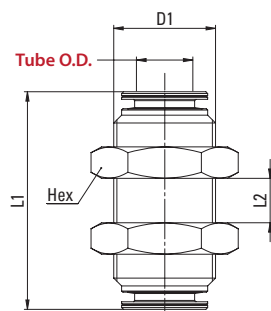
MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ	MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ
B532-01MBJ*	5/32	1/8	1.01	B516-02MBJ*	5/16	1/4	1.71
B14-01MBJ*	1/4	1/8	1.06	B516-03MBJ*	3/8	1/4	1.76
B14-02MBJ		1/4	1.71	B38-02MBJ*	3/8	1/4	1.83
B516-01MBJ*	5/16	1/8	1.08	B38-03MBJ*		3/8	2.96
MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ
B04-M5MBJ*	4mm	M5	.36	B08-01MBJ-PT*	8mm	1/8	.91
B04-01MBJ-PT*		1/8	.78	B08-02MBJ-PT*		1/4	1.38
B06-M5MBJ*		M5	.47	B10-02MBJ-PT*	10mm		1.54
B06-01MBJ-PT*	6mm	1/8	.86	B10-03MBJ-PT*		3/8	2.19
B06-02MBJ-PT*		1/4	1.39	B12-03MBJ-PT*	12mm		2.37
				B12-04MBJ-PT*		1/2	4.05

10 Per Bag * Non-stock item, subject to change, call for availability.

Bulkhead Union



Inch Tube &
Metric Tube



*Actual dimensions for above
diagram available upon request
Panel Mount

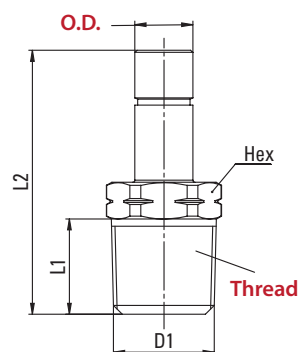
MODEL (inch)	Tube O.D.	Weight OZ	MODEL (inch)	Tube O.D.	Weight OZ	MODEL (inch)	Tube O.D.	Weight OZ
B18BU*	1/8	.48	B14BU	1/4	1.15	B38BU	3/8	1.89
B532BU(4MM)	5/32	.81	B516BU(8MM)	5/16	1.38	B12BU	1/2	1.94
MODEL (metric)	Tube O.D.	Weight OZ	MODEL (metric)	Tube O.D.	Weight OZ	MODEL (metric)	Tube O.D.	Weight OZ
B532BU(4MM)	4mm	.83	B516BU(8MM)	8mm	1.39	B12MBU*	12mm	2.13
B06BU	6mm	1.16	B10BU	10mm	1.82			

10 Per Bag * Non-stock item, subject to change, call for availability.

Stem Adaptor



Inch Tube NPT Thread
Metric Tube BSPT(R) Thread



*Actual dimensions for above diagram available upon request

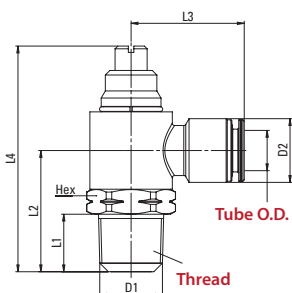
MODEL (inch)	O.D.	Thread NPT	Weight OZ	MODEL (inch)	O.D.	Thread NPT	Weight OZ
B532-1032SA*	5/32	10-32	.09	B516-02SA*	5/16	1/4	.55
B532-01SA*		1/8	.25	B38-02SA*	3/8		.58
B532-02SA*		1/4	.49	B38-03SA*		3/8	.81
B14-01SA	1/4	1/8	.30	B12-03SA*			1/2
B14-02SA		1/4	.53	B12-04SA*	1/2	1.52	
B516-01SA	5/16	1/8	.32				
MODEL (metric)	O.D.	Thread BSPT(R)	Weight OZ	MODEL (metric)	O.D.	Thread BSPT(R)	Weight OZ
B04-M5SA*	4mm	M5	.11	B08-01SA-PT*	8mm	1/8	.33
B04-01SA-PT*		1/8	.25	B08-02SA-PT*		1/4	.51
B04-02SA-PT*		1/4	.44	B10-02SA-PT*	10mm	3/8	.55
B06-M5SA*	6mm	M5	.21	B10-03SA-PT*			12mm
B06-01SA-PT*		1/8	.30	B12-03SA-PT*	1/2	.83	
B06-02SA-PT*		1/4	.48	B12-04SA-PT*		1.34	
10 Per Bag * Non-stock item, subject to change, call for availability.							

10 Per Bag * Non-stock item, subject to change, call for availability.

Slotted Adjustment Flow Control Elbow



Inch Tube NPT Thread



*Actual dimensions for above diagram available upon request



Metric Tube BSPP(G) Thread

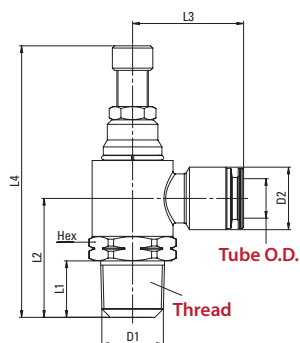
MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ	MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ
BSC532-1032DC-O*	5/32	10-32	.42	BSC516-01DC-O*	5/16	1/8	1.73
BSC532-01DC-O*		1/8	1.02	BSC516-02DC-O*		1/4	1.87
BSC14-01DC-O*	1/4	1/8	1.09	BSC38-02DC-O*	3/8		2.16
BSC14-02DC-O		1/4	1.25				
MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ	MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ
BSC04-M5DC-O-PP*	4mm	M5	.42	BSC08-01DC-O-PP*	8mm	1/8	1.09
BSC04-01DC-O-PP*		1/8	1.02	BSC08-02DC-O-PP*		1/4	1.73
BSC06-01DC-O-PP	6mm	1/8	.95	BSC10-02DC-O-PP*	10mm	3/8	1.87
BSC06-02DC-O-PP*		1/4	1.73	BSC10-03DC-O-PP*		1/2	2.35

1 Per Bag * Non-stock item, subject to change, call for availability.

Manual Adjustment Flow Control Elbow



Inch Tube NPT Thread



*Actual dimensions for above diagram available upon request



Metric Tube BSPP(G) Thread

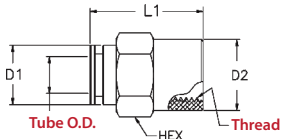
MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ	MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ
BSC532-1032HA-O*	5/32	10-32	.42	BSC516-01HA-O*	5/16	1/8	1.73
BSC532-01HA-O*		1/8	1.02	BSC516-02HA-O*		1/4	1.87
BSC14-01HA-O	1/4	1/8	1.09	BSC38-02HA-O	3/8		2.16
BSC14-02HA-O		1/4	1.25				
MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ	MODEL (metric)	Tube O.D.	Thread BSPP(G)	Weight OZ
BSC04-M5HA-O-PP*	4mm	M5	.52	BSC08-01HA-O-PP*	8mm	1/8	1.19
BSC04-01HA-O-PP*		1/8	1.12	BSC08-02HA-O-PP*		1/4	1.83
BSC06-01HA-O-PP*	6mm	1/8	1.05	BSC08-03HA-O-PP*	10mm	3/8	1.97
BSC06-02HA-O-PP*		1/4	1.83	BSC10-02HA-O-PP*		1/4	2.45
				BSC10-03HA-O-PP*		3/8	2.78
1 Per Bag * Non-stock item, subject to change, call for availability.							

1 Per Bag * Non-stock item, subject to change, call for availability.

Female Straight



Inch Tube NPT Thread
Metric Tube BSPT(R) Thread



*Actual dimensions for above diagram available upon request

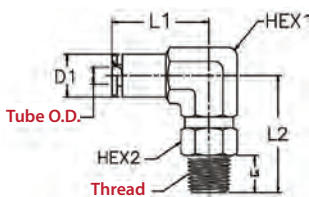
MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ	MODEL (inch)	Tube O.D.	Thread	Weight OZ	MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ
SS532-01F	5/32	1/8	.48	SS516-02F**	5/16	1/4	1.12	SS38-04F*	3/8	1/2	2.40
SS316-01F**	3/16			SS516-03F*		3/8	SS12-03F*	3/8			
SS14-01F	1/4			SS38-02F	1/4	1.60	SS12-04F*	1/2	3.20		
SS14-02F		1/4	.96	SS38-03F	3/8						
MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ
SS04-01F-PT	4mm	1/8	.48	SS08-02F-PT	8mm	1/4	1.12	SS10-02F-PT	10mm	1/4	1.60
SS06-01F-PT	6mm			SS08-03F-PT		3/8	1.60	SS10-03F-PT		3/8	2.40
SS06-02F-PT		1/4	.96								
1 Per Bag * Non-stock item, subject to change, call for availability. ** available with minimum 8 weeks											

1 Per Bag * Non-stock item, subject to change, call for availability. ** available with minimum 8 weeks

Swivel Male elbow



Inch Tube NPT Thread
Metric Tube BSPT(R) Thread



*Actual dimensions for above diagram available upon request

MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ	MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ	MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ	
SS532-1032ML*	5/32	10-32	.80	SS14-02ML	1/4	1/4	1.60	SS38-01ML*	3/8	1/8	2.40	
SS532-01ML		1/8	.96	SS14-02UML*		1/4U		SS38-02ML		1/4	2.72	
SS532-02ML*		1/4	1.44	SS14-03ML		3/8	2.24	SS38-03ML		3/8	2.88	
SS532-03ML*		3/8	1.92	SS516-01ML*	1/8	1.92	SS38-04ML*	1/2		3.20		
SS316-01ML**	3/16	1/8	1.12	SS516-02ML*	5/16	1/4	2.24	SS12-02ML	1/2	1/4	3.68	
SS14-1032ML*	1/4	10-32		.80		SS516-03ML*	3/8	2.56		SS12-03ML	3/8	3.84
SS14-01ML		1/8		SS516-04ML*		1/2	2.88	SS12-04ML*		1/2	4.48	
SS14-01UML*		1/8U				SS58-04ML*	5/8	5.60				
MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	
SS04-M5ML	4mm	M5	.80	SS06-03ML-PT*	6mm	3/8	1.76	SS10-03ML-PT	10mm	3/8	2.72	
SS04-01ML-PT		1/8	.96	SS08-01ML-PT	8mm	1/8	1.44	SS10-04ML-PT*		1/2		
SS04-02ML-PT		1/4	1.44	SS08-02ML-PT		1/4	1.76	SS12-01ML-PT*	12mm	1/8	3.20	
SS06-M5ML*	6mm	M5	.96	SS08-03ML-PT	10mm	3/8	2.08	SS12-02ML-PT		1/4	3.52	
SS06-01ML-PT		1/8	1.44	SS10-01ML-PT		1/8	1.76	SS12-03ML-PT		3/8	3.84	
SS06-02ML-PT		1/4		SS10-02ML-PT		1/4	2.56	SS12-04ML-PT*	1/2	4.48		
1 Per Bag * Non-stock item, subject to change, call for availability. ** available with minimum 8 weeks												

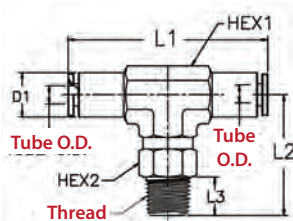
1 Per Bag * Non-stock item, subject to change, call for availability. ** available with minimum 8 weeks

BSPP (G) Thread
available upon request

Swivel Male Tee



Inch Tube NPT Thread
Metric Tube BSPT(R) Thread



*Actual dimensions for above diagram available upon request

BSPP (G) Thread
available upon request

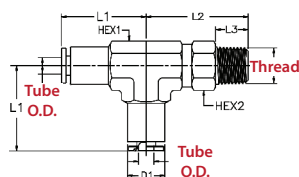
MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ	MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ	MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ
SS532-1032MT**	5/32	10-32	1.28	SS14-02UMT**	1/4	1/4U	1.76	SS38-01MT	3/8	1/8	2.88
SS532-01MT		1/8		SS14-02MT		1/4		SS38-02MT		1/4	3.20
SS316-01MT**	3/16			SS516-01MT*		1/8	2.24	SS38-03MT		3/8	3.52
SS14-01UMT**	1/4	1/8U	1.60	SS516-02MT**	5/16	1/4	2.56	SS12-02MT	1/2	1/4	4.32
SS14-01MT		1/8		SS516-03MT**		3/8	2.88	SS12-03MT		3/8	5.12
								SS12-04MT		1/2	5.12
MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ
SS04-M5MT*	4mm	M5	1.28	SS08-01MT-PT	8mm	1/8	1.92	SS12-02MT-PT	12mm	1/4	3.68
SS04-01MT-PT		1/8		SS08-02MT-PT		1/4	2.08	SS12-03MT-PT		3/8	4.00
SS04-02MT-PT		1/4		SS08-03MT-PT		3/8	2.56	SS12-04MT-PT		1/2	4.32
SS06-01MT-PT	6mm	1/8	1.60	SS10-02MT-PT	10mm	1/4	3.04				
SS06-02MT-PT		1/4	1.76	SS10-03MT-PT		3/8	3.36				

1 Per Bag * Non-stock item, subject to change, call for availability. ** available with minimum 8 weeks

Swivel Male Run Tee



Inch Tube NPT Thread
Metric Tube BSPT(R) Thread



*Actual dimensions for above diagram available upon request

BSPP (G) Thread
available upon request

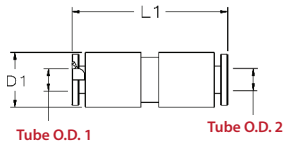
MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ	MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ	MODEL (inch)	Tube O.D.	Thread NPT	Weight OZ
SS532-1032RT**	5/32	10-32	1.28	SS14-03RT	1/4	3/8	2.08	SS38-02RT	3/8	1/4	3.20
SS532-01RT		1/8		SS516-01RT**		1/8	2.24	SS38-03RT		3/8	3.52
SS316-01RT**	3/16			SS516-02RT**	5/16	1/4	2.56	SS12-02RT	1/2	1/4	4.32
SS14-01RT	1/4	1/8	1.60	SS516-03RT**		3/8		SS12-03RT		3/8	5.12
SS14-02RT		1/4	1.76					SS12-04RT		1/2	5.12
MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ	MODEL (metric)	Tube O.D.	Thread BSPT(R)	Weight OZ
SS04-M5RT**	4mm	M5	1.28	SS06-03RT-PT**	6mm	3/8	2.24	SS10-02RT-PT	10mm	1/4	3.04
SS04-01RT-PT		1/8		SS08-01RT-PT	8mm	1/8	1.92	SS10-03RT-PT		3/8	3.36
SS04-02RT-PT		1/4		SS08-02RT-PT		1/4	2.08	SS12-02RT-PT*	12mm	1/4	3.68
SS06-01RT-PT	6mm	1/8	1.60	SS08-03RT-PT		3/8	2.56	SS12-03RT-PT		3/8	4.00
SS06-02RT-PT		1/4	1.76					SS12-04RT-PT		1/2	4.32

1 Per Bag * Non-stock item, subject to change, call for availability. ** available with minimum 8 weeks

Union & Union Reducer



Inch Tube &
Metric Tube



*Actual dimensions for above diagram available upon request

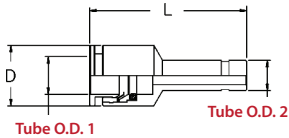
MODEL (inch)	Tube O.D. 1	Tube O.D. 2	Weight OZ	MODEL (inch)	Tube O.D. 1	Tube O.D. 2	Weight OZ	MODEL (inch)	Tube O.D. 1	Tube O.D. 2	Weight OZ
SS532U(4MM)	5/32		.48	SS516U(8MM)	5/16		.80	SS12-38UR	1/2	3/8	1.44
SS316U**	3/16			SS38-14UR	3/8	1/4		SS12U	1/2		1.60
SS14-532UR	1/4	5/32	.64	SS38-516UR**		5/16	.96				
SS14U	1/4			SS38U	3/8						
MODEL (metric)	Tube O.D. 1	Tube O.D. 2	Weight OZ	MODEL (metric)	Tube O.D. 1	Tube O.D. 2	Weight OZ	MODEL (metric)	Tube O.D. 1	Tube O.D. 2	Weight OZ
SS532U(4MM)	4mm		.48	SS516U(8MM)	8mm		.80	SS12-10UR**	12mm	10mm	1.60
SS06-04UR	6mm	4mm	.64	SS10-06UR*	10mm	6mm	1.28	SS12MU	12mm		
SS06U	6mm			SS10-08UR**		8mm	.96				
SS08-06UR	8mm	6mm	.96	SS10U	10mm						

1 Per Bag * Non-stock item, subject to change, call for availability. ** available with minimum 8 weeks

Tube Reducer



Inch Tube &
Metric Tube



*Actual dimensions for above diagram available upon request

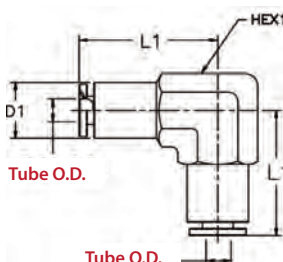
MODEL (inch)	Tube O.D. 1	Tube O.D. 2	Weight OZ	MODEL (inch)	Tube O.D. 1	Tube O.D. 2	Weight OZ	MODEL (inch)	Tube O.D. 1	Tube O.D. 2	Weight OZ
SS532-14R	5/32	1/4	.16	SS14-516R	1/4	5/16	.16	SS516-12R**	5/16	1/2	.80
SS316-14R**	3/16		.32	SS14-38R*		3/8	.32	SS38-12R	3/8		.96
SS316-516R**		5/16	.48	SS516-38R	5/16		.48				
MODEL (metric)	Tube O.D. 1	Tube O.D. 2	Weight OZ	MODEL (metric)	Tube O.D. 1	Tube O.D. 2	Weight OZ	MODEL (metric)	Tube O.D. 1	Tube O.D. 2	Weight OZ
SS04-06R	4mm	6mm	.16	SS06-08R	6mm	8mm	.48	SS08-10R	8mm	10mm	.64
SS04-08R**		8mm	.48	SS06-10R**		10mm		SS08-12R**		12mm	.80
								SS10-12R**	10mm		.96

1 Per Bag * Non-stock item, subject to change, call for availability. ** available with minimum 8 weeks

Union Elbow



Inch Tube &
Metric Tube



*Actual dimensions for above diagram available upon request

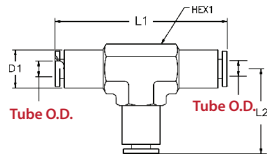
MODEL (inch)	Tube O.D.	Weight OZ	MODEL (inch)	Tube O.D.	Weight OZ	MODEL (inch)	Tube O.D.	Weight OZ
SS532UL(4MM)	5/32	.80	SS14UL	1/4	.96	SS38UL	3/8	2.24
SS316UL**	3/16	.96	SS516UL(8MM)	5/16	1.28	SS12UL	1/2	2.88
MODEL (metric)	Tube O.D.	Weight OZ	MODEL (metric)	Tube O.D.	Weight OZ	MODEL (metric)	Tube O.D.	Weight OZ
SS532UL(4MM)	4mm	.80	SS516UL(8MM)	8mm	1.28	SS12MUL	12mm	2.88
SS06UL	6mm	.96	SS10UL	10mm	2.24			

1 Per Bag * Non-stock item, subject to change, call for availability. ** available with minimum 8 weeks

Union Tee



Inch Tube &
Metric Tube



*Actual dimensions for above
diagram available upon request

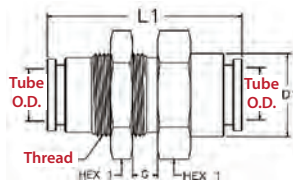
MODEL (inch)	Tube O.D.	Weight OZ	MODEL (inch)	Tube O.D.	Weight OZ	MODEL (inch)	Tube O.D.	Weight OZ
SS532UT(4MM)	5/32	.96	SS14UT	1/4	1.28	SS38UT	3/8	2.72
SS316UT**	3/16	1.28	SS516UT(8MM)	5/16	1.44	SS12UT	1/2	3.36
MODEL (metric)	Tube O.D.	Weight OZ	MODEL (metric)	Tube O.D.	Weight OZ	MODEL (metric)	Tube O.D.	Weight OZ
SS532UT(4MM)	4mm	.96	SS516UT(8MM)	8mm	1.44	SS12MUT	12mm	2.88
SS06UT	6mm	1.44	SS10UT	10mm	2.08			

1 Per Bag * Non-stock item, subject to change, call for availability. ** available with minimum 8 weeks

Bulkhead Union



Inch Tube &
Metric Tube



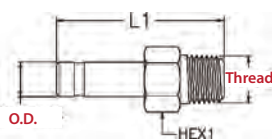
*Actual dimensions for above
diagram available upon request
Panel Mount

MODEL (inch)	Tube O.D.	Weight OZ	MODEL (inch)	Tube O.D.	Weight OZ
SS532BU(4MM)	5/32	.80	SS516BU(8MM)	5/16	2.08
SS316BU	3/16	1.12	SS38BU	3/8	2.72
SS14BU	1/4	1.44	SS12BU	1/2	3.52
MODEL (metric)	Tube O.D.	Weight OZ	MODEL (metric)	Tube O.D.	Weight OZ
S532BU(4MM)	4mm	.80	SS10BU	10mm	2.72
SS06BU	6mm	1.44	SS12MBU	12mm	3.36
SS516BU(8MM)	8mm	2.08			

Stem Adapter



Inch Tube NPT Thread
Metric Tube BSPT(R) Thread



*Actual dimensions for above
diagram available upon request

BSPP (G) Thread
available upon request

MODEL (inch)	O.D.	Thread NPT	Weight OZ	MODEL (inch)	O.D.	Thread NPT	Weight OZ	MODEL (inch)	O.D.	Thread NPT	Weight OZ
SS532-1032SA**	5/32	10-32	.32	SS14-01SA*	1/4	1/8	.32	SS38-02SA*	3/8	1/4	.64
SS532-01SA**		1/8		SS14-02SA*		1/4	.48	SS38-03SA*		3/8	.80
SS316-01SA**	3/16	1/8	.48	SS516-01SA**	5/16	1/8	.32	SS12-02SA*	1/2	1/4	.96
SS316-02SA**		1/4		SS516-02SA**		1/4	.64	SS12-03SA*		3/8	1.60
				SS516-03SA*		3/8	.80	SS12-04SA*		1/2	1.60
MODEL (metric)	O.D.	Thread BSPT(R)	Weight OZ	MODEL (metric)	O.D.	Thread BSPT(R)	Weight OZ	MODEL (metric)	O.D.	Thread BSPT(R)	Weight OZ
SS04-M5SA**	4mm	M5	.32	SS08-01SA-PT**	8mm	1/8	.32	SS10-03SA-PT**	10mm	3/8	.80
SS04-01SA-PT**		1/8		SS08-02SA-PT**		1/4	.64	SS12-02SA-PT**		1/4	.96
SS06-01SA-PT**	6mm	1/8	.48	SS08-03SA-PT**	10mm	3/8	.80	SS12-03SA-PT**	12mm	3/8	1.60
SS06-02SA-PT**		1/4		SS10-02SA-PT		1/4	.80	SS12-04SA-PT**		1/2	1.60

1 Per Bag * Non-stock item, subject to change, call for availability. ** available with minimum 8 weeks