



Observe Advanced Technology and High Quality

**Push in Fittings (PT, R, BSPT, NPT)**



**Cautions in Application of Tube Joint**

Before use, it should make clear following points:

**Danger**

Don't use products in this catalogue in machines that have the following purpose:

1. Maintenance of human body and life
2. Human transportation
3. Instruments o critical safety

**Warning**

Don't use these products in the conditions below:

1. Except air and water (only special type and custom-design), never attempt to use the tube joint other fluids.
2. The tube joint application is prohibited where spark and fire might be occurred.
3. The tube joint application is prohibited if water temperature is above 60? because resin might be decomposed and damaged in water under a high temperature.
4. The tube joint is not designed for application where there is static charge.
5. Never apply tube joint with additional external load (bending, twist or pulling), otherwise damage or leakage will be occurred.
6. Never touch the release sleeve of one-touch fittings when they are pressurized. (It may cause tube separation, resulting in potentially dangerous situations).

**Caution**

1. If you use other supplier tubing, the different tubing tolerance might cause leakage or incorrect connection and disassembly. It must check if tubing OD is in compliance with the specification as listed in following table.

Size	Polyurethane Tube	Nylon Tube
Ø4mm	±0.10	±0.08
Ø6mm	±0.12	±0.10
Ø8mm	±0.12	±0.10
Ø10mm	±0.15	±0.12
Ø12mm	±0.15	±0.12

2. Always check the end of tubing for a right angle cutting and check the external surface of tubing for any damage or scratch. Please refer to following instruction in connection of tubing. When you insert the air tubing into the joint, you will have two-step feeling. Section One is locking claw while Section Two is sealing ring. You must insert the tube into Section Two. Sleeve is used in tubing connection and disconnection. The sleeve is designed as an oval shape, which is convenient in assembly and disassembly. However, round sleeve is available to meet any customer special demand if the customer product has limited space for oval sleeve. After connection of tube joint and tubing, always try to pull tubing and ensure its firm connection.

The minimum insertion length of tubing is as listed, however, the tubing length tolerance as listed is necessary in practice.

Tube Size		Ø4	Ø6	Ø8	Ø10	Ø12	Ø6
Sleeve Size	Metal	14.6	15.2	16.2	18.7	21.7	24.6
	Plastic	15.1	16	18.1	20.4	23.2	24.2

3. Cautions during disassembly of tubing. Before disconnection of tubing, always check tubing internal pressure for zero. For disconnection of tubing, always press sleeve heavily and then pull out tubing. If sleeve is not pressed with enough force, it is hard to pull out tubing and external surface scratch might be resulted by locking claw, which is the cause of air leakage. Don't swing or rotate tubing in disconnection otherwise groove might be resulted on the tubing surface by locking claw to prevent tubing from pulling.

4. Always use proper tool to tighten external hexagonal and internal hexagonal parts of the tube joint. Always apply recommended torque on screws otherwise extra torque might damage thread and cause air leakage while insufficient torque might cause loose screws and air leakage. After screws are tightened, you may adjust the direction of tubing with most of our tube joint. If it is hard in adjustment, you may apply recommended torque to turn screw to adjust direction of tubing.

Recommended Torque for Different Thread Specifications:

Thread Size	Thread Specifications	Torque (kgf.cm)
Metric Thread	M3	7
	M5	15-19
	M6	20-27
Pipe Taper Thread R/RC,PT,BSPT Thread	R1/8	70-90
	R1/4	120-140
	R3/8	220-240
	R1/2	280-300
Unified Thread(UNF)	No.10-32 UNF	15
NPT Thread	NPT1/8	70-90

	NPT1/4	120-140
	NPT3/8	220-240
	NPT1/2	280-300
G,BSPP Thread	G1/8	70-90
	G1/4	120-140
	G3/8	220-240
	G1/2	280-300

## Push in Fittings (PT, R, BSPT, NPT)

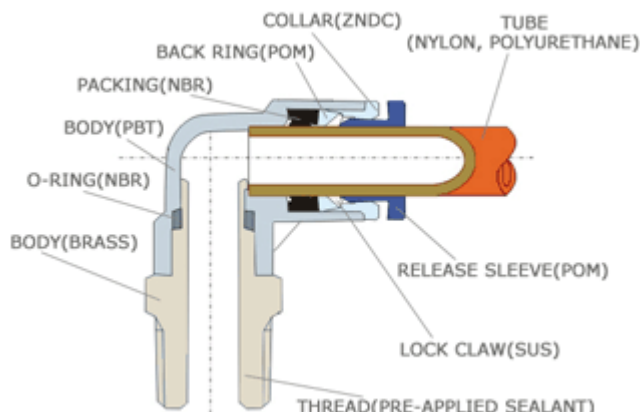
### Characteristics

1. Quick installation, simple and flexible, space-saving.
2. The tube fitting comes in a wide variety of models to meet all your needs in pneumatic piping.
3. Even after installation, the direction of tubing can be changed freely.
4. The release ring adopts the ellipse design to make it more convenient and labor-saving for disconnection.
5. All taper threads are pre-coated with Teflon with fine seal performance.
6. All fittings are equipped with the internal hexagonal holes. It is easy for them to be mounted in the narrow places.

### Specifications

Fluid Admitted	Air, Vacuum	
Working Pressure	0—1.0MPa	0—150psi
Negative Pressure	-100Kpa	-29.5 In Hg
Working Temperature	0—60°C	32~140°F
Applicable Tube	PU / PA	
Body	Nickel Plated Brass and PCFT	
O-ring	NBR	
Lock Claw	Stainless Steel(SUS)	

**Structure**




**Thread Standard and Type**


R, PT, BSPT -- 55° Taper Pipe Thread			
01	02	03	04
R1/8	R1/4	R3/8	R1/2

NPT -- 60° American Standard Taper Pipe Thread			
N01	N02	N03	N04
NPT1/8	NPT1/4	NPT3/8	NPT1/2


Metric Thread							
M5	M6	M8	M10	M12	M14	M16	M20
M5 x 0.8	M6 x 1	M8 x 1	M10 x 1	M12 x 1.25	M14 x 1.5	M16 x 1.5	M20 x 1.5

Model Type -- PC Male Connector							
	Metric Tube -- Thread(PT, R, BSPT)		Inch Tube -- Thread(PT, R, BSPT)		Inch Tube -- Thread(NPT)		
	PC04-M5	PC08-01	PC12-03	PC5/32-01	PC3/8-01	PC5/32-N01	PC3/8-N01
	PC04-M6	PC08-02	PC12-04	PC5/32-02	PC3/8-02	PC5/32-N02	PC3/8-N02
	PC04-01	PC08-03	PC14-02	PC1/4-01	PC3/8-03	PC1/4-N01	PC3/8-N03
	PC04-02	PC08-04	PC14-03	PC1/4-02	PC3/8-04	PC1/4-N02	PC3/8-N04
	PC06-M5	PC10-01	PC14-04	PC1/4-03	PC1/2-01	PC1/4-N03	PC1/2-N01
	PC06-M6	PC10-02	PC15-03	PC1/4-04	PC1/2-02	PC1/4-N04	PC1/2-N02
	PC06-01	PC10-03	PC15-04	PC5/16-01	PC1/2-03	PC5/16-N01	PC1/2-N03
	PC06-02	PC10-04	PC16-02	PC5/16-02	PC1/2-04	PC5/16-N02	PC1/2-N04
	PC06-03	PC12-01	PC16-03	PC5/16-03		PC5/16-N03	
	<b>Male Connector</b>	PC06-04	PC12-02	PC16-04	PC5/16-04		PC5/16-N04


**Model Type -- PL Male Elbow**

	Metric Tube -- Thread(PT, R, BSPT)			Inch Tube -- Thread(PT, R, BSPT)		Inch Tube -- Thread(NPT)	
	PL04-M5	PL08-01	PL12-03	PL5/32-01	PL3/8-01	PL5/32-N01	PL3/8-N01
	PL04-M6	PL08-02	PL12-04	PL5/32-02	PL3/8-02	PL5/32-N02	PL3/8-N02
	PL04-01	PL08-03	PL14-02	PL1/4-01	PL3/8-03	PL1/4-N01	PL3/8-N03
	PL04-02	PL08-04	PL14-03	PL1/4-02	PL3/8-04	PL1/4-N02	PL3/8-N04
	PL06-M5	PL10-01	PL14-04	PL1/4-03	PL1/2-01	PL1/4-N03	PL1/2-N01
	PL06-M6	PL10-02	PL15-03	PL1/4-04	PL1/2-02	PL1/4-N04	PL1/2-N02
	PL06-01	PL10-03	PL15-04	PL5/16-01	PL1/2-03	PL5/16-N01	PL1/2-N03
	PL06-02	PL10-04	PL16-02	PL5/16-02	PL1/2-04	PL5/16-N02	PL1/2-N04
	PL06-03	PL12-01	PL16-03	PL5/16-03		PL5/16-N03	
<b>Male Elbow</b>	PL06-04	PL12-02	PL16-04	PL5/16-04		PL5/16-N04	


**Model Type -- PLL Ex. Male Elbow**

	Metric Tube -- Thread(PT, R, BSPT)			Inch Tube -- Thread(PT, R, BSPT)		Inch Tube -- Thread(NPT)	
	PLL04-M5	PLL08-01	PLL12-03	PLL5/32-01	PLL3/8-01	PLL5/32-N01	PLL3/8-N01
	PLL04-M6	PLL08-02	PLL12-04	PLL5/32-02	PLL3/8-02	PLL5/32-N02	PLL3/8-N02
	PLL04-01	PLL08-03	PLL14-02	PLL1/4-01	PLL3/8-03	PLL1/4-N01	PLL3/8-N03
	PLL04-02	PLL08-04	PLL14-03	PLL1/4-02	PLL3/8-04	PLL1/4-N02	PLL3/8-N04
	PLL06-M5	PLL10-01	PLL14-04	PLL1/4-03	PLL1/2-01	PLL1/4-N03	PLL1/2-N01
	PLL06-M6	PLL10-02	PLL15-03	PLL1/4-04	PLL1/2-02	PLL1/4-N04	PLL1/2-N02
	PLL06-01	PLL10-03	PLL15-04	PLL5/16-01	PLL1/2-03	PLL5/16-N01	PLL1/2-N03
	PLL06-02	PLL10-04	PLL16-02	PLL5/16-02	PLL1/2-04	PLL5/16-N02	PLL1/2-N04
	PLL06-03	PLL12-01	PLL16-03	PLL5/16-03		PLL5/16-N03	
<b>Ex. Male Elbow</b>	PLL06-04	PLL12-02	PLL16-04	PLL5/16-04		PLL5/16-N04	


**Model Type -- PLF Female Elbow**

	Metric Tube -- Thread(PT, R, BSPT)			Inch Tube -- Thread(PT, R, BSPT)		Inch Tube -- Thread(NPT)	
	PLF04-M5	PLF08-01	PLF12-03	PLF5/32-01	PLF3/8-01	PLF5/32-N01	PLF3/8-N01
	PLF04-M6	PLF08-02	PLF12-04	PLF5/32-02	PLF3/8-02	PLF5/32-N02	PLF3/8-N02
	PLF04-01	PLF08-03	PLF14-02	PLF1/4-01	PLF3/8-03	PLF1/4-N01	PLF3/8-N03
	PLF04-02	PLF08-04	PLF14-03	PLF1/4-02	PLF3/8-04	PLF1/4-N02	PLF3/8-N04
	PLF06-M5	PLF10-01	PLF14-04	PLF1/4-03	PLF1/2-01	PLF1/4-N03	PLF1/2-N01
	PLF06-M6	PLF10-02	PLF15-03	PLF1/4-04	PLF1/2-02	PLF1/4-N04	PLF1/2-N02
	PLF06-01	PLF10-03	PLF15-04	PLF5/16-01	PLF1/2-03	PLF5/16-N01	PLF1/2-N03
	PLF06-02	PLF10-04	PLF16-02	PLF5/16-02	PLF1/2-04	PLF5/16-N02	PLF1/2-N04
	PLF06-03	PLF12-01	PLF16-03	PLF5/16-03		PLF5/16-N03	
<b>Female Elbow</b>	PLF06-04	PLF12-02	PLF16-04	PLF5/16-04		PLF5/16-N04	


**Model Type -- PCF Female Connector**

	Metric Tube -- Thread(PT, R, BSPT)			Inch Tube -- Thread(PT, R, BSPT)		Inch Tube -- Thread(NPT)	
	PCF04-M5	PCF08-01	PCF12-03	PCF5/32-01	PCF3/8-01	PCF5/32-N01	PCF3/8-N01
	PCF04-M6	PCF08-02	PCF12-04	PCF5/32-02	PCF3/8-02	PCF5/32-N02	PCF3/8-N02
	PCF04-01	PCF08-03	PCF14-02	PCF1/4-01	PCF3/8-03	PCF1/4-N01	PCF3/8-N03
	PCF04-02	PCF08-04	PCF14-03	PCF1/4-02	PCF3/8-04	PCF1/4-N02	PCF3/8-N04
	PCF06-M5	PCF10-01	PCF14-04	PCF1/4-03	PCF1/2-01	PCF1/4-N03	PCF1/2-N01
	PCF06-M6	PCF10-02	PCF15-03	PCF1/4-04	PCF1/2-02	PCF1/4-N04	PCF1/2-N02
	PCF06-01	PCF10-03	PCF15-04	PCF5/16-01	PCF1/2-03	PCF5/16-N01	PCF1/2-N03
	PCF06-02	PCF10-04	PCF16-02	PCF5/16-02	PCF1/2-04	PCF5/16-N02	PCF1/2-N04
	PCF06-03	PCF12-01	PCF16-03	PCF5/16-03		PCF5/16-N03	
<b>Female Connector</b>	PCF06-04	PCF12-02	PCF16-04	PCF5/16-04		PCF5/16-N04	


**Model Type -- PD Male Run Tee**

	Metric Tube -- Thread(PT, R, BSPT)			Inch Tube -- Thread(PT, R, BSPT)		Inch Tube -- Thread(NPT)	
	PD04-M5	PD08-01	PD12-03	PD5/32-01	PD3/8-01	PD5/32-N01	PD3/8-N01
	PD04-M6	PD08-02	PD12-04	PD5/32-02	PD3/8-02	PD5/32-N02	PD3/8-N02
	PD04-01	PD08-03	PD14-02	PD1/4-01	PD3/8-03	PD1/4-N01	PD3/8-N03
	PD04-02	PD08-04	PD14-03	PD1/4-02	PD3/8-04	PD1/4-N02	PD3/8-N04
	PD06-M5	PD10-01	PD14-04	PD1/4-03	PD1/2-01	PD1/4-N03	PD1/2-N01
	PD06-M6	PD10-02	PD15-03	PD1/4-04	PD1/2-02	PD1/4-N04	PD1/2-N02
	PD06-01	PD10-03	PD15-04	PD5/16-01	PD1/2-03	PD5/16-N01	PD1/2-N03
	PD06-02	PD10-04	PD16-02	PD5/16-02	PD1/2-04	PD5/16-N02	PD1/2-N04
	PD06-03	PD12-01	PD16-03	PD5/16-03		PD5/16-N03	
<b>Male Run Tee</b>	PD06-04	PD12-02	PD16-04	PD5/16-04		PD5/16-N04	


**Model Type -- PB Male Branch Tee**

	Metric Tube -- Thread(PT, R, BSPT)			Inch Tube -- Thread(PT, R, BSPT)		Inch Tube -- Thread(NPT)	
	PB04-M5	PB08-01	PB12-03	PB5/32-01	PB3/8-01	PB5/32-N01	PB3/8-N01
	PB04-M6	PB08-02	PB12-04	PB5/32-02	PB3/8-02	PB5/32-N02	PB3/8-N02
	PB04-01	PB08-03	PB14-02	PB1/4-01	PB3/8-03	PB1/4-N01	PB3/8-N03
	PB04-02	PB08-04	PB14-03	PB1/4-02	PB3/8-04	PB1/4-N02	PB3/8-N04
	PB06-M5	PB10-01	PB14-04	PB1/4-03	PB1/2-01	PB1/4-N03	PB1/2-N01
	PB06-M6	PB10-02	PB15-03	PB1/4-04	PB1/2-02	PB1/4-N04	PB1/2-N02
	PB06-01	PB10-03	PB15-04	PB5/16-01	PB1/2-03	PB5/16-N01	PB1/2-N03
	PB06-02	PB10-04	PB16-02	PB5/16-02	PB1/2-04	PB5/16-N02	PB1/2-N04
	PB06-03	PB12-01	PB16-03	PB5/16-03		PB5/16-N03	
<b>Male Branch Tee</b>	PB06-04	PB12-02	PB16-04	PB5/16-04		PB5/16-N04	


**Model Type -- PDF Female Run Tee**

	Metric Tube -- Thread(PT, R, BSPT)			Inch Tube -- Thread(PT, R, BSPT)		Inch Tube -- Thread(NPT)	
	PDF04-M5	PDF08-01	PDF12-03	PDF5/32-01	PDF3/8-01	PDF5/32-N01	PDF3/8-N01
	PDF04-M6	PDF08-02	PDF12-04	PDF5/32-02	PDF3/8-02	PDF5/32-N02	PDF3/8-N02
	PDF04-01	PDF08-03	PDF14-02	PDF1/4-01	PDF3/8-03	PDF1/4-N01	PDF3/8-N03
	PDF04-02	PDF08-04	PDF14-03	PDF1/4-02	PDF3/8-04	PDF1/4-N02	PDF3/8-N04
	PDF06-M5	PDF10-01	PDF14-04	PDF1/4-03	PDF1/2-01	PDF1/4-N03	PDF1/2-N01
	PDF06-M6	PDF10-02	PDF15-03	PDF1/4-04	PDF1/2-02	PDF1/4-N04	PDF1/2-N02
	PDF06-01	PDF10-03	PDF15-04	PDF5/16-01	PDF1/2-03	PDF5/16-N01	PDF1/2-N03
	PDF06-02	PDF10-04	PDF16-02	PDF5/16-02	PDF1/2-04	PDF5/16-N02	PDF1/2-N04
	PDF06-03	PDF12-01	PDF16-03	PDF5/16-03		PDF5/16-N03	
<b>Female Run Tee</b>	PDF06-04	PDF12-02	PDF16-04	PDF5/16-04		PDF5/16-N04	


**Model Type -- PBF Female Branch Tee**

	Metric Tube -- Thread(PT, R, BSPT)			Inch Tube -- Thread(PT, R, BSPT)		Inch Tube -- Thread(NPT)	
	PBF04-M5	PBF08-01	PBF12-03	PBF5/32-01	PBF3/8-01	PBF5/32-N01	PBF3/8-N01
	PBF04-M6	PBF08-02	PBF12-04	PBF5/32-02	PBF3/8-02	PBF5/32-N02	PBF3/8-N02
	PBF04-01	PBF08-03	PBF14-02	PBF1/4-01	PBF3/8-03	PBF1/4-N01	PBF3/8-N03
	PBF04-02	PBF08-04	PBF14-03	PBF1/4-02	PBF3/8-04	PBF1/4-N02	PBF3/8-N04
	PBF06-M5	PBF10-01	PBF14-04	PBF1/4-03	PBF1/2-01	PBF1/4-N03	PBF1/2-N01
	PBF06-M6	PBF10-02	PBF15-03	PBF1/4-04	PBF1/2-02	PBF1/4-N04	PBF1/2-N02
	PBF06-01	PBF10-03	PBF15-04	PBF5/16-01	PBF1/2-03	PBF5/16-N01	PBF1/2-N03
	PBF06-02	PBF10-04	PBF16-02	PBF5/16-02	PBF1/2-04	PBF5/16-N02	PBF1/2-N04
	PBF06-03	PBF12-01	PBF16-03	PBF5/16-03		PBF5/16-N03	
<b>Female Branch Tee</b>	PBF06-04	PBF12-02	PBF16-04	PBF5/16-04		PBF5/16-N04	


**Model Type -- PX Male Y**

	Metric Tube -- Thread(PT, R, BSPT)			Inch Tube -- Thread(PT, R, BSPT)		Inch Tube -- Thread(NPT)	
	PX04-M5	PX08-01	PX12-03	PX5/32-01	PX3/8-01	PX5/32-N01	PX3/8-N01
	PX04-M6	PX08-02	PX12-04	PX5/32-02	PX3/8-02	PX5/32-N02	PX3/8-N02
	PX04-01	PX08-03	PX14-02	PX1/4-01	PX3/8-03	PX1/4-N01	PX3/8-N03
	PX04-02	PX08-04	PX14-03	PX1/4-02	PX3/8-04	PX1/4-N02	PX3/8-N04
	PX06-M5	PX10-01	PX14-04	PX1/4-03	PX1/2-01	PX1/4-N03	PX1/2-N01
	PX06-M6	PX10-02	PX15-03	PX1/4-04	PX1/2-02	PX1/4-N04	PX1/2-N02
	PX06-01	PX10-03	PX15-04	PX5/16-01	PX1/2-03	PX5/16-N01	PX1/2-N03
	PX06-02	PX10-04	PX16-02	PX5/16-02	PX1/2-04	PX5/16-N02	PX1/2-N04
	PX06-03	PX12-01	PX16-03	PX5/16-03		PX5/16-N03	
<b>Male Y</b>	PX06-04	PX12-02	PX16-04	PX5/16-04		PX5/16-N04	


**Model Type -- PXF Female Y**

	Metric Tube -- Thread(PT, R, BSPT)			Inch Tube -- Thread(PT, R, BSPT)		Inch Tube -- Thread(NPT)	
	PXF04-M5	PXF08-01	PXF12-03	PXF5/32-01	PXF3/8-01	PXF5/32-N01	PXF3/8-N01
	PXF04-M6	PXF08-02	PXF12-04	PXF5/32-02	PXF3/8-02	PXF5/32-N02	PXF3/8-N02
	PXF04-01	PXF08-03	PXF14-02	PXF1/4-01	PXF3/8-03	PXF1/4-N01	PXF3/8-N03
	PXF04-02	PXF08-04	PXF14-03	PXF1/4-02	PXF3/8-04	PXF1/4-N02	PXF3/8-N04
	PXF06-M5	PXF10-01	PXF14-04	PXF1/4-03	PXF1/2-01	PXF1/4-N03	PXF1/2-N01
	PXF06-M6	PXF10-02	PXF15-03	PXF1/4-04	PXF1/2-02	PXF1/4-N04	PXF1/2-N02
	PXF06-01	PXF10-03	PXF15-04	PXF5/16-01	PXF1/2-03	PXF5/16-N01	PXF1/2-N03
	PXF06-02	PXF10-04	PXF16-02	PXF5/16-02	PXF1/2-04	PXF5/16-N02	PXF1/2-N04
	PXF06-03	PXF12-01	PXF16-03	PXF5/16-03		PXF5/16-N03	
<b>Female Y</b>	PXF06-04	PXF12-02	PXF16-04	PXF5/16-04		PXF5/16-N04	


**Model Type -- PH Male Banjo**

	Metric Tube -- Thread(PT, R, BSPT)			Inch Tube -- Thread(PT, R, BSPT)		Inch Tube -- Thread(NPT)	
	PH04-M5	PH08-01	PH12-03	PH5/32-01	PH3/8-01	PH5/32-N01	PH3/8-N01
	PH04-M6	PH08-02	PH12-04	PH5/32-02	PH3/8-02	PH5/32-N02	PH3/8-N02
	PH04-01	PH08-03	PH14-02	PH1/4-01	PH3/8-03	PH1/4-N01	PH3/8-N03
	PH04-02	PH08-04	PH14-03	PH1/4-02	PH3/8-04	PH1/4-N02	PH3/8-N04
	PH06-M5	PH10-01	PH14-04	PH1/4-03	PH1/2-01	PH1/4-N03	PH1/2-N01
	PH06-M6	PH10-02	PH15-03	PH1/4-04	PH1/2-02	PH1/4-N04	PH1/2-N02
	PH06-01	PH10-03	PH15-04	PH5/16-01	PH1/2-03	PH5/16-N01	PH1/2-N03
	PH06-02	PH10-04	PH16-02	PH5/16-02	PH1/2-04	PH5/16-N02	PH1/2-N04
	PH06-03	PH12-01	PH16-03	PH5/16-03		PH5/16-N03	
<b>Male Banjo</b>	PH06-04	PH12-02	PH16-04	PH5/16-04		PH5/16-N04	


**Model Type -- PKB Male Triple Branch**

	Metric Tube -- Thread(PT, R, BSPT)			Inch Tube -- Thread(PT, R, BSPT)		Inch Tube -- Thread(NPT)	
	PKB04-M5	PKB08-01	PKB12-03	PKB5/32-01	PKB3/8-01	PKB5/32-N01	PKB3/8-N01
	PKB04-M6	PKB08-02	PKB12-04	PKB5/32-02	PKB3/8-02	PKB5/32-N02	PKB3/8-N02
	PKB04-01	PKB08-03	PKB14-02	PKB1/4-01	PKB3/8-03	PKB1/4-N01	PKB3/8-N03
	PKB04-02	PKB08-04	PKB14-03	PKB1/4-02	PKB3/8-04	PKB1/4-N02	PKB3/8-N04
	PKB06-M5	PKB10-01	PKB14-04	PKB1/4-03	PKB1/2-01	PKB1/4-N03	PKB1/2-N01
	PKB06-M6	PKB10-02	PKB15-03	PKB1/4-04	PKB1/2-02	PKB1/4-N04	PKB1/2-N02
	PKB06-01	PKB10-03	PKB15-04	PKB5/16-01	PKB1/2-03	PKB5/16-N01	PKB1/2-N03
	PKB06-02	PKB10-04	PKB16-02	PKB5/16-02	PKB1/2-04	PKB5/16-N02	PKB1/2-N04
	PKB06-03	PKB12-01	PKB16-03	PKB5/16-03		PKB5/16-N03	
<b>Male Triple Branch</b>	PKB06-04	PKB12-02	PKB16-04	PKB5/16-04		PKB5/16-N04	


**Model Type -- PHF Female Banjo**


	Metric Tube -- Thread(PT, R, BSPT)			Inch Tube -- Thread(PT, R, BSPT)		Inch Tube -- Thread(NPT)	
	PHF04-M5	PHF08-01	PHF12-03	PHF5/32-01	PHF3/8-01	PHF5/32-N01	PHF3/8-N01
	PHF04-M6	PHF08-02	PHF12-04	PHF5/32-02	PHF3/8-02	PHF5/32-N02	PHF3/8-N02
	PHF04-01	PHF08-03	PHF14-02	PHF1/4-01	PHF3/8-03	PHF1/4-N01	PHF3/8-N03
	PHF04-02	PHF08-04	PHF14-03	PHF1/4-02	PHF3/8-04	PHF1/4-N02	PHF3/8-N04
	PHF06-M5	PHF10-01	PHF14-04	PHF1/4-03	PHF1/2-01	PHF1/4-N03	PHF1/2-N01
	PHF06-M6	PHF10-02	PHF15-03	PHF1/4-04	PHF1/2-02	PHF1/4-N04	PHF1/2-N02
	PHF06-01	PHF10-03	PHF15-04	PHF5/16-01	PHF1/2-03	PHF5/16-N01	PHF1/2-N03
	PHF06-02	PHF10-04	PHF16-02	PHF5/16-02	PHF1/2-04	PHF5/16-N02	PHF1/2-N04
	PHF06-03	PHF12-01	PHF16-03	PHF5/16-03		PHF5/16-N03	
<b>Female Banjo</b>	PHF06-04	PHF12-02	PHF16-04	PHF5/16-04		PHF5/16-N04	


**Model Type -- PKD Male Triple Branch Reducer**


	Metric Tube -- Thread(PT, R, BSPT)		Inch Tube -- Thread(PT, R, BSPT)		Inch Tube -- Thread(NPT)	
	PKD06-04-01	PKD12-10-04	PKD1/4-5/32-01		PKD1/4-5/32-N01	
	PKD06-04-02		PKD1/4-5/32-02		PKD1/4-5/32-N02	
	PKD08-06-01		PKD3/8-5/16-01		PKD3/8-5/16-N01	
	PKD08-06-02		PKD3/8-5/16-02		PKD3/8-5/16-N02	
	PKD08-06-03		PKD3/8-5/16-03		PKB3/8-5/16-N03	
	PKD10-08-01		PKD1/2-3/8-01		PKD1/2-3/8-N01	
	PKD10-08-02		PKD1/2-3/8-02		PKD1/2-3/8-N02	
	PKD10-08-03		PKD1/2-3/8-03		PKD1/2-3/8-N03	
<b>Male Triple Branch Reducer</b>	PKD12-10-02					
	PKD12-10-03					


**Model Type -- PMF Bulkhead Female Connector**


	Metric Tube -- Thread(PT, R, BSPT)			Inch Tube -- Thread(PT, R, BSPT)		Inch Tube -- Thread(NPT)	
	PMF04-M5	PMF08-01	PMF12-03	PMF5/32-01	PMF3/8-01	PMF5/32-N01	PMF3/8-N01
	PMF04-M6	PMF08-02	PMF12-04	PMF5/32-02	PMF3/8-02	PMF5/32-N02	PMF3/8-N02
	PMF04-01	PMF08-03	PMF14-02	PMF1/4-01	PMF3/8-03	PMF1/4-N01	PMF3/8-N03
	PMF04-02	PMF08-04	PMF14-03	PMF1/4-02	PMF3/8-04	PMF1/4-N02	PMF3/8-N04
	PMF06-M5	PMF10-01	PMF14-04	PMF1/4-03	PMF1/2-01	PMF1/4-N03	PMF1/2-N01
	PMF06-M6	PMF10-02	PMF15-03	PMF1/4-04	PMF1/2-02	PMF1/4-N04	PMF1/2-N02
	PMF06-01	PMF10-03	PMF15-04	PMF5/16-01	PMF1/2-03	PMF5/16-N01	PMF1/2-N03
	PMF06-02	PMF10-04	PMF16-02	PMF5/16-02	PMF1/2-04	PMF5/16-N02	PMF1/2-N04
	PMF06-03	PMF12-01	PMF16-03	PMF5/16-03		PMF5/16-N03	
<b>Bulkhead Female Connector</b>	PMF06-04	PMF12-02	PMF16-04	PMF5/16-04		PMF5/16-N04	


Model Type -- PLM Bulkhead Union Elbow		
	Metric Tube	Inch Tube
	PLM04	PLM5/32
	PLM06	PLM1/4
	PLM08	PLM5/16
	PLM10	PLM3/8
	PLM12	PLM1/2
	PLM16	
	<b>Bulkhead Union Elbow</b>	


Model Type -- PU Union Straight			
	Metric Tube	Inch Tube	
	PU04	PU5/32	
	PU05	PU1/4	
	PU06	PU5/16	
	PU08	PU3/8	
	PU10	PU1/2	
	PU11		
	PU12		
	PU14		
	PU15		
	<b>Union Straight</b>	PU16	


Model Type -- PEG Union Tee Reducer		
	Metric Tube	Inch Tube
	PEG06-04	PEG1/4-5/32
	PEG08-06	PEG5/16-1/4
	PEG10-08	PEG3/8-5/16
	PEG12-10	PEG1/2-3/8
<b>Union Tee Reducer</b>		


Model Type -- PGE Union Tee Reducer		
	Metric Tube	Inch Tube
	PGE06-04	PGE1/4-5/32
	PGE08-06	PGE5/16-1/4
	PGE10-08	PGE3/8-5/16
	PGE12-10	PGE1/2-3/8
<b>Union Tee Reducer</b>		


Model Type -- PG Union Straight Reducer		
	Metric Tube	Inch Tube
	PG06-04	PG3/16-5/32
	PG08-04	PG1/4-5/32
	PG08-06	PG1/4-3/16
	PG10-04	PG5/16-5/32
	PG10-06	PG5/16-1/4
	PG10-08	PG3/8-1/4
	PG12-06	PG3/8-5/16
	PG12-08	PG1/2-3/8
<b>Union Straight Reducer</b>	PG12-10	


Model Type -- PV Union Elbow			
	Metric Tube	Inch Tube	
	PV04	PV5/32	
	PV05	PV1/4	
	PV06	PV5/16	
	PV08	PV3/8	
	PV10	PV1/2	
	PV11		
	PV12		
	PV14		
	PV15		
	<b>Union Elbow</b>	PV16	


Model Type -- PY Union Y		
	Metric Tube	Inch Tube
	PY04	PY5/32
	PY06	PY1/4
	PY08	PY5/16
	PY10	PY3/8
	PY12	PY1/2
	PY14	
	PY15	
	PY16	
<b>Union Y</b>		


Model Type -- PW Union Y Reducer		
	Metric Tube	Inch Tube
	PW06-04	PW1/4-5/32
	PW08-06	PW5/16-1/4
	PW10-08	PW3/8-5/16
	PW12-10	PW1/2-3/8
	<b>Union Y Reducer</b>	


Model Type -- PVG Union Elbow Reducer		
	Metric Tube	Inch Tube
	PVG06-04	PVG3/16-5/32
	PVG08-04	PVG1/4-5/32
	PVG08-06	PVG1/4-3/16
	PVG10-04	PVG5/16-5/32
	PVG10-06	PVG5/16-1/4
	PVG10-08	PVG3/8-1/4
	PVG12-06	PVG3/8-5/16
	PVG12-08	PVG1/2-3/8
<b>Union Elbow Reducer</b>	PVG12-10	


Model Type -- PE Union Tee			
	Metric Tube	Inch Tube	
	PE04	PE5/32	
	PE06	PE1/4	
	PE08	PE5/16	
	PE10	PE3/8	
	PE12	PE1/2	
	PE14		
	PE15		
	PE16		
	<b>Union Tee</b>		


Model Type -- PGJ Plug-in Reducer		
	Metric Tube	Inch Tube
	PGJ06-04	PGJ3/16-5/32
	PGJ08-04	PGJ1/4-5/32
	PGJ08-06	PGJ1/4-3/16
	PGJ10-04	PGJ5/16-5/32
	PGJ10-06	PGJ5/16-1/4
	PGJ10-08	PGJ3/8-1/4
	PGJ12-06	PGJ3/8-5/16
	PGJ12-08	PGJ1/2-3/8
	PGJ12-10	
<b>Plug-in Reducer</b>		


Model Type -- PLJ Plug-in Elbow		
	Metric Tube	Inch Tube
	PLJ04	PLJ5/32
	PLJ06	PLJ1/4
	PLJ08	PLJ5/16
	PLJ10	PLJ3/8
	PLJ12	PLJ1/2
	PLJ14	
	PLJ15	
	PLJ16	
	<b>Plug-in Elbow</b>	


Model Type -- PYJ Plug-in Y		
	Metric Tube	Inch Tube
	PYJ04	PYJ5/32
	PYJ06	PYJ1/4
	PYJ08	PYJ5/16
	PYJ10	PYJ3/8
	PYJ12	PYJ1/2
	PYJ14	
	PYJ15	
	PYJ16	
<b>Plug-in Y</b>		


Model Type -- PWJ Plug-in Y Reducer		
	Metric Tube	Inch Tube
	PWJ06-04	PWJ1/4-5/32
	PWJ08-06	PWJ5/16-1/4
	PWJ10-08	PWJ3/8-5/16
	PWJ12-10	PWJ1/2-3/8
<b>Plug-in Y Reducer</b>		


Model Type -- PZA Union Cross		
	Metric Tube	Inch Tube
	PZA04	PZA5/32
	PZA06	PZA1/4
	PZA08	PZA5/16
	PZA10	PZA3/8
	PZA12	PZA1/2
<b>Union Cross</b>		


Model Type -- PK Union Branch		
	Metric Tube	Inch Tube
	PK04	PK5/32
	PK06	PK1/4
	PK08	PK5/16
	PK10	PK3/8
	PK12	PK1/2
<b>Union Branch</b>		


Model Type -- PIJ Tube Splicer		
	Metric Tube	Inch Tube
	PIJ04	PIJ5/32
	PIJ05	PIJ1/4
	PIJ06	PIJ5/16
	PIJ08	PIJ3/8
	PIJ10	PIJ1/2
	PIJ11	
	PIJ12	
	PIJ14	
	PIJ15	
	PIJ16	
<b>Tube Splicer</b>		

Model Type -- PIG Tube Splicer Reducer		
	Metric Tube	Inch Tube
	PIG06-04	PIG3/16-5/32
	PIG08-04	PIG1/4-5/32
	PIG08-06	PIG1/4-3/16
	PIG10-04	PIG5/16-5/32
	PIG10-06	PIG5/16-1/4
	PIG10-08	PIG3/8-1/4
	PIG12-06	PIG3/8-5/16
	PIG12-08	PIG1/2-3/8
	PIG12-10	
<b>Tube Splicer Reducer</b>		

Model Type -- PKG Union Branch Reducer		
	Metric Tube	Inch Tube
	PKG06-04	PKG1/4-5/32
	PKG08-06	PKG5/16-1/4
	PKG10-08	PKG3/8-5/16
PKG12-10	PKG1/2-3/8	
<b>Union Branch Reducer</b>		

Model Type -- PKJ Plug-in Reducer Triple Branch		
	Metric Tube	Inch Tube
	PKJ06-04	PKJ1/4-5/32
	PKJ08-06	PKJ5/16-1/4
	PKJ10-08	PKJ3/8-5/16
	PKJ12-10	PKJ1/2-3/8
<b>Plug-in Reducer Triple Branch</b>		

Model Type -- PP Plug		
	Metric Tube	Inch Tube
	PP04	PP5/32
	PP05	PP1/4
	PP06	PP5/16
	PP08	PP3/8
	PP10	PP1/2
	PP11	
	PP12	
	PP14	
	PP15	
PP16		
<b>Plug</b>		

Model Type -- PM Bulkhead Union		
	Metric Tube	Inch Tube
	PM04	PM5/32
	PM06	PM1/4
	PM08	PM5/16
	PM10	PM3/8
	PM12	PM1/2
	PM14	
PM16		
<b>Bulkhead Union</b>		