



**Ultra Small Push-In Fitting Type for Pneumatic Piping**

# Tube Fitting Mini Series

- *Ultra Small Push-In Fitting for General Pneumatic Piping.*
- *40% Miniaturized compared to Standard Type.*



- *Easy Tube Release with Oval Release-Ring.*
- *ø1.8 Tube Size. The Industry's First Smallest Push-In Fitting. Suitable for Small Actuator Piping*



Miniature cylinder



Miniature Gripper



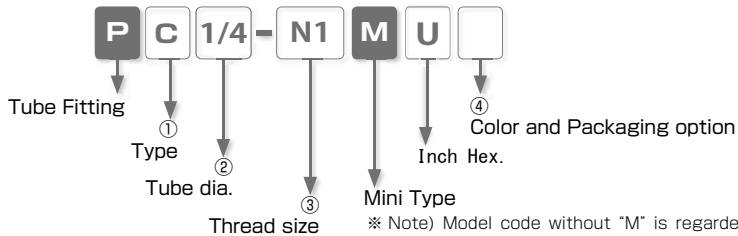
Miniature Solenoid Valve

- *Optional Selection of Body Color (light-gray) and Clean-Room Package.*

Fluorine-based grease is used on O-ring for clean-room package.

Products are packed in a clean room equivalent to ISO class 6.

## Model Designation (Example)



※ Note) Model code without "M" is regarded as Tube Fitting Standard Series.

### ① Type

Code	Type	Code	Type	Code	Type	Code	Type
<b>C</b>	Straight	<b>OC</b>	Inner Hex. Straight	<b>CC</b>	Cartridge	<b>L</b>	Elbow
<b>LL</b>	Long Elbow	<b>LH</b>	45° Elbow	<b>B</b>	Branch Tee	<b>D</b>	Run Tee
<b>OL</b>	Hex. Holed Banjo	<b>OLL</b>	Hex. Holed Long Banjo	<b>U</b>	Union Straight	<b>G</b>	Unequal Union Straight
<b>V</b>	Union Elbow	<b>E</b>	Union Tee	<b>EG</b>	Unequal Union Tee	<b>Y</b>	Union Y
<b>W</b>	Unequal Union Y	<b>M</b>	Bulkhead Union	<b>ZA</b>	Cross A	<b>ZB</b>	Cross B
<b>ZC</b>	Cross C	<b>GJ</b>	Unequal Plug-in Straight	<b>LJ</b>	Plug-in Elbow	<b>LGJ</b>	Unequal Plug-in Elbow
<b>LHJ</b>	45° Plug-in Elbow	<b>YJ</b>	Plug-in Y	<b>WJ</b>	Unequal Plug-in Y	<b>CF</b>	Female Straight
<b>F</b>	Extension Screw Adaptor	<b>IJ</b>	Union Stem	<b>PF</b>	Cap	<b>P</b>	Plug

### ② Tube dia. (※ In case that ② indicates thread size, select thread size from table ③)

Tube dia.	inch size				mm size				
Code	1/8	5/32	3/16	1/4	180	2	3	4	6
Size O.D.	1/8"	5/32"	3/16"	1/4"	ø1.8	ø2	ø3	ø4	ø6

### ③ Thread size (※ In case that ③ indicates tube dia., select tube dia. from table ②)

Thread	Unified thread		National pipe taper thread		
	U10U	N0U	N1U	N2U	N3U
Size	10-32UNF	1/16NPT	1/8NPT	1/4NPT	3/8NPT

※ The unit of wrench size is inch (the code suffix is "U").

Thread	Metric thread (mm)			Taper pipe thread			Cartridge size (mm)	
	M3	M5	M6	O1	O2	O3	M6	M8
Size	M3 × 0.5	M5 × 0.8	M6 × 1	R1/8	R1/4	R3/8	M6 × 0.75	M8 × 0.75

※ R thread is same as BSPT

### ④ Color option , Packaging option

Code	Color option		Packaging option	
	No code	W	No code	C
Specification	Standard spec.	Light-gray spec.	Standard package	Clean-room package
Release-ring color	Black, White	Light-gray, White	④ : Selected color	Light-blue (※ 1), White
Resin body color	Black	Light-gray	④ : Selected color	Light-blue, Black

※ 1. When "W" is selected on ④ Color option, body color is light-gray.

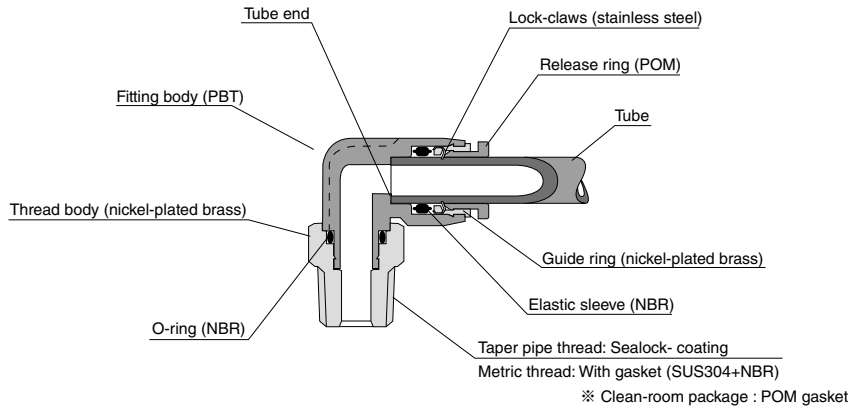
※ 2. Release-ring color is white for inch-size products.

※ 3. Imperial sizes – Clean room packaging comes with black resin body.

## Specifications

Fluid medium	Air
Max. operating pressure	150psi (1.0MPa)
Max. vacuum	-29.5in. Hg (-100kPa)
Operating temp. range	32 ~ 140°F (0 ~ 60°C) (no freezing)

## Construction (Elbow: PL)



- ※ M3 Thread: Thread body is nickel-plated free-cutting steel.
- ø1.8 fitting: Thread body is special stainless steel equivalent to SUS303.

## ⚠ Detailed Safety Instructions

Before using PISCO products, be sure to read "Safety Instructions" and "Safety Instruction Manual" and "Common Safety Instructions for Fittings".

### Caution (Clean-room package)

1. As for Push-In Fitting, the functional part where tube is inserted may slightly slide due to an internal pressure change and this may generate dusts. Avoid using the fitting in the clean room of ISO class from 1 to 5. Under the vibrating condition, check the amount of dust generated from the fitting and tubes by using actual facilities.

# PC

## MINI TYPE

Straight



MODEL	D1	R1
PC1/8-U10MU	1/8"	10-32UNF
PC1/8-N0MU	1/8"	NPT1/16
PC1/8-N1MU	1/8"	NPT1/8
PC1/8-N2MU	1/8"	NPT1/4
PC5/32-M3M	5/32"	M3×0.5
PC5/32-M5M	5/32"	M5×0.8
PC5/32-M6M	5/32"	M6×1.0
PC5/32-01M	5/32"	R1/8
PC5/32-02M	5/32"	R1/4
PC5/32-U10MU	5/32"	10-32UNF
PC5/32-N0MU	5/32"	NPT1/16
PC5/32-N1MU	5/32"	NPT1/8
PC5/32-N2MU	5/32"	NPT1/8
PC1/4-M5M	1/4"	M5×0.8
PC1/4-M6M	1/4"	M6×1.0
PC1/4-M7M	1/4"	M7×1.0
PC1/4-01M	1/4"	NPT1/16
PC1/4-02M	1/4"	NPT1/8
PC1/4-03M	1/4"	NPT1/4
PC1/4-N0MU	1/4"	NPT1/16
PC1/4-N1MU	1/4"	NPT1/8
PC1/4-N2MU	1/4"	NPT1/4
PC1/4-N3MU	1/4"	NPT3/8
PC1/4-U10MU	1/4"	10-32UNF

MODEL	D1	R1
PC1/8-M3M	1/8"	M3×0.5
PC1/8-M5M	1/8"	M5×0.8
PC1/8-M6M	1/8"	M6×1.0
PC1/8-01M	1/8"	R1/8
PC180-01M	1.8mm	R1/8
PC180-M3M	1.8mm	M3×0.5
PC180-M5M	1.8mm	M5×0.8
PC2-M3M	2mm	M3×0.5
PC2-M5M	2mm	M5×0.8
PC2-01M	2mm	R1/8
PC3-M3M	3mm	M3×0.5
PC3-M5M	3mm	M5×0.8
PC3-M6M	3mm	M6×1.0
PC3-01M	3mm	R1/8
PC4-M3M	4mm	M3×0.5
PC4-M5M	4mm	M5×0.8
PC4-M6M	4mm	M6×1.0
PC4-01M	4mm	R1/8
PC4-02M	4mm	R1/4
PC6-U10MU	6mm	10-32UNF
PC6-N1MU	6mm	NPT1/8
PC6-M5M	6mm	M5×0.8
PC6-M6M	6mm	M6×1.0
PC6-01M	6mm	R1/8
PC6-02M	6mm	R1/4
PC6-03M	6mm	R3/8

# PCF

## MINI TYPE

Female Straight



MODEL	D1	R1
PCF1/8-U10MU	1/8"	10-32UNF
PCF5/32-M3M	5/32"	M3×0.5
PCF5/32-M5M	5/32"	M5×0.8
PCF5/32-U10MU	5/32"	10-32UNF
PCF1/4-M5M	1/4"	M5×0.8
PCF1/4-U10MU	1/4"	10-32UNF

MODEL	D1	R1
PCF1/8-M3M	1/8"	M3×0.5
PCF1/8-M5M	1/8"	M5×0.8
PCF180-M3M	1.8mm	M3×0.5
PCF2-M3M	2mm	M3×0.5
PCF3-M5M	3mm	M5×0.8
PCF3-M3M	3mm	M3×0.5
PCF4-U10MU	4mm	10-32UNF
PCF4-M3M	4mm	M3×0.5
PCF4-M5M	4mm	M5×0.8
PCF6-M5M	6mm	M5×0.8

# POC

## MINI TYPE

Inner Hex Straight



MODEL	D1	R1
POC1/8-U10MU	1/8"	10-32UNF
POC5/32-01M	5/32"	R1/8
POC5/32-M3M	5/32"	M3×0.5
POC5/32-M5M	5/32"	M5×0.8
POC5/32-M6M	5/32"	M6×1.0
POC5/32-N1MU	5/32"	NPT1/8
POC5/32-U10MU	5/32"	10-32UNF
POC1/4-01M	1/4"	R1/8
POC1/4-M5M	1/4"	M5×0.8
POC1/4-M6M	1/4"	M6×1.0
POC1/4-M7M	1/4"	M7×1.0
POC1/4-N0MU	1/4"	NPT1/16
POC1/4-N1MU	1/4"	NPT1/8
POC1/4-U10MU	1/4"	10-32UNF
POC3/16-U10MU	3/16"	10-32UNF
POC3/16-N1MU	3/16"	NPT1/8

MODEL	D1	R1
POC1/8-M3M	1/8"	M3×0.5
POC1/8-M5M	1/8"	M5×0.8
POC1/8-M6M	1/8"	M6×1.0
POC1/8-M7M	1/8"	M7×1.0
POC3/16-M5M	3/16"	M5×0.8
POC180-M3M	1.8mm	M3×0.5
POC2-M3M	2mm	M3×0.5
POC3-M3M	3mm	M3×0.5
POC3-M5M	3mm	M5×0.8
POC3-M6M	3mm	M6×1.0
POC4-M3M	4mm	M3×0.5
POC4-M5M	4mm	M5×0.8
POC4-M6M	4mm	M6×1.0
POC4-01M	4mm	R1/8
POC6-M5M	6mm	M5×0.8
POC6-M6M	6mm	M6×1.0
POC6-01M	6mm	R1/8

# PU

## MINI TYPE

Union Straight



MODEL	D1
PU1/8M	1/8"
PU5/32M	5/32"
PU1/4M	1/4"
PU180M	1.8mm
PU2M	2mm
PU3M	3mm
PU4M	4mm
PU6M	6mm

# PG

## MINI TYPE

Unequal Union Straight



MODEL	D1	D2
PG5/32-1/8M	5/32"	1/8"
PG3/16-1/8M	3/16"	1/8"
PG1/4-1/8M	1/4"	1/8"
PG1/4-5/32M	1/4"	5/32"
PG4-1/8M	4mm	1/8"
PG6-1/8M	6mm	1/8"
PG3-180M	3mm	1.8mm
PG3-2M	3mm	2mm
PG4-180M	4mm	1.8mm
PG4-3M	4mm	3mm
PG4-2M	4mm	2mm
PG6-3M	6mm	3mm
PG6-4M	6mm	4mm

**PL****MINI TYPE**

Elbow



MODEL	D1	R1
PL1/8-U10MU	1/8"	10-32UNF
PL1/8-N0MU	1/8"	NPT1/16
PL1/8-N1MU	1/8"	NPT1/8
PL1/8-N2MU	1/8"	NPT1/4
PL5/32-M3M	5/32"	M3×0.5
PL5/32-M5M	5/32"	M5×0.8
PL5/32-M6M	5/32"	M6×1.0
PL5/32-U10MU	5/32"	10-32UNF
PL5/32-N0MU	5/32"	NPT1/16
PL5/32-N1MU	5/32"	NPT1/8
PL5/32-N2MU	5/32"	NPT1/4
PL5/32-01M	5/32"	R1/8
PL5/32-02M	5/32"	R1/4
PL1/4-M5M	1/4"	M5×0.8
PL1/4-M6M	1/4"	M6×1.0
PL1/4-M7M	1/4"	M7×1.0
PL1/4-U10MU	1/4"	10-32UNF
PL1/4-N0MU	1/4"	NPT1/16
PL1/4-N1MU	1/4"	NPT1/8
PL1/4-N2MU	1/4"	NPT1/4
PL1/4-N3MU	1/4"	NPT3/8
PL1/4-01M	1/4"	R1/8
PL1/4-02M	1/4"	R1/4
PL1/4-03M	1/4"	R3/8

MODEL	D1	R1
PL1/8-M3M	1/8"	M3×0.5
PL1/8-M5M	1/8"	M5×0.8
PL1/8-M6M	1/8"	M6×1.0
PL1/8-01M	1/8"	R1/8
PL180-01M	1.8mm	R1/8
PL180-M3M	1.8mm	M3×0.5
PL180-M5M	1.8mm	M5×0.8
PL2-M3M	2mm	M3×0.5
PL2-M5M	2mm	M5×0.8
PL2-01M	2mm	M6×1.0
PL3-M3M	3mm	M3×0.5
PL3-M5M	3mm	M5×0.8
PL3-M6M	3mm	M6×1.0
PL3-01M	3mm	R1/8
PL4-M3M	4mm	M3×0.5
PL4-M5M	4mm	M5×0.8
PL4-M6M	4mm	M6×1.0
PL4-01M	4mm	R1/8
PL4-02M	4mm	R1/4
PL6-M5M	6mm	M5×0.8
PL6-M6M	6mm	M6×1.0
PL6-01M	6mm	R1/8
PL6-02M	6mm	R1/4
PL6-03M	6mm	R3/8
PL8-01M	8mm	R1/8
PL8-02M	8mm	R1/4
PL8-03M	8mm	R3/8
PL10-02M	10mm	R1/4
PL10-03M	10mm	R3/8

## PLL MINI TYPE

Long Elbow



MODEL	D1	R1
PLL1/8-U10MU	1/8"	10-32UNF
PLL1/8-N0MU	1/8"	NPT1/16
PLL1/8-N1MU	1/8"	NPT1/8
PLL1/8-01M	1/8"	R1/8
PLL5/32-M3M	5/32"	M3×0.5
PLL5/32-M5M	5/32"	M5×0.8
PLL5/32-M6M	5/32"	M6×1.0
PLL5/32-U10MU	5/32"	10-32UNF
PLL5/32-N0MU	5/32"	NPT1/16
PLL5/32-N1MU	5/32"	NPT1/8
PLL5/32-N2MU	5/32"	NPT1/4
PLL5/32-01M	5/32"	R1/8
PLL5/32-02M	5/32"	R1/4
PLL1/4-M5M	1/4"	M5×0.8
PLL1/4-M6M	1/4"	M6×1.0
PLL1/4-U10MU	1/4"	10-32UNF
PLL1/4-N0MU	1/4"	NPT1/16
PLL1/4-N1MU	1/4"	NPT1/8
PLL1/4-N2MU	1/4"	NPT1/4
PLL1/4-N3MU	1/4"	NPT3/8
PLL1/4-01M	1/4"	R1/8
PLL1/4-02M	1/4"	R1/4
PLL1/4-03M	1/4"	R3/8

MODEL	D1	R1
PLL1/8-M3M	1/8"	M3×0.5
PLL1/8-M5M	1/8"	M5×0.8
PLL1/8-M6M	1/8"	M6×1.0
PLL180-M3M	1.8mm	M3×0.5
PLL180-M5M	1.8mm	M5×0.8
PLL2-M3M	2mm	M3×0.5
PLL2-M5M	2mm	M5×0.8
PLL3-M3M	3mm	M3×0.5
PLL3-M5M	3mm	M5×0.8
PLL3-M6M	3mm	M6×1.0
PLL3-01M	3mm	R1/8
PLL4-M3M	4mm	M3×0.5
PLL4-M5M	4mm	M5×0.8
PLL4-M6M	4mm	M6×1.0
PLL4-01M	4mm	R1/8
PLL4-02M	4mm	R1/4
PLL6-M5M	6mm	M5×0.8
PLL6-M6M	6mm	M6×1.0
PLL6-01M	6mm	R1/8
PLL6-02M	6mm	R1/4
PLL6-03M	6mm	R3/8

## PLH MINI TYPE

45-degree Elbow



## PCC MINI TYPE

Cartridge



MODEL	D1	R1
PCC1/8-M6M	1/8"	M6×0.75
PCC3-M6M	3mm	M6×0.75
PCC4-M6M	4mm	M6×0.75
PCC4-M8M	4mm	M8×0.75
PCC6-M8M	6mm	M8×0.75

MODEL	D1	R1
PLH3-M3M	3mm	M3×0.5
PLH3-M5M	3mm	M5×0.8
PLH4-M3M	4mm	M3×0.5
PLH4-M5M	4mm	M5×0.8
PLH4-M6M	4mm	M6×1.0
PLH4-01M	4mm	R1/8
PLH6-M5M	6mm	M5×0.8
PLH6-M6M	6mm	M6×1.0
PLH6-01M	6mm	R1/8
PLH6-02M	6mm	R1/4

# POL

## MINI TYPE

Hex. Holed Banjo



MODEL	D1	R1
POL1/8-U10MU	1/8"	10-32UNF
POL1/8-M5M	1/8"	M5 x 0.8
POL5/32-U10MU	5/32"	10-32UNF
POL5/32-M5M	5/32"	M5 x 0.8
POL3-M5M	3mm	M5 x 0.8
POL4-M5M	4mm	M5 x 0.8
POL6-M5M	6mm	M5 x 0.8

# POLL

## MINI TYPE

Hex. Holed Long Banjo



MODEL	D1	R1
POLL1/8-U10MU	1/8"	10-32UNF
POLL1/8-M5M	1/8"	M5 x 0.8
POLL5/32-U10MU	5/32"	10-32UNF
POLL5/32-M5M	5/32"	M5 x 0.8
POLL3-M5M	3mm	M5 x 0.8
POLL4-M5M	4mm	M5 x 0.8
POLL6-M5M	6mm	M5 x 0.8

# PB

## MINI TYPE

Branch Tee



MODEL	D1	R1
PB1/8-U10MU	1/8"	10-32UNF
PB1/8-N1MU	1/8"	NPT1/8
PB5/32-M3M	5/32"	M3×0.5
PB5/32-M5M	5/32"	M5×0.8
PB5/32-M6M	5/32"	M6×1.0
PB5/32-U10MU	5/32"	10-32UNF
PB5/32-N1MU	5/32"	NPT1/8
PB5/32-N2MU	5/32"	NPT1/4
PB5/32-01M	5/32"	R1/8
PB5/32-02M	5/32"	R1/4
PB1/4-M5M	1/4"	M5×0.8
PB1/4-M6M	1/4"	M6×1.0
PB1/4-N0MU	1/4"	NPT1/16
PB1/4-N1MU	1/4"	NPT1/8
PB1/4-N2MU	1/4"	NPT1/4
PB1/4-N3MU	1/4"	NPT3/8
PB1/4-U10MU	1/4"	10-32UNF
PB1/4-01M	1/4"	R1/8
PB1/4-02M	1/4"	R1/4
PB1/4-03M	1/4"	R3/8

MODEL	D1	R1
PB1/8-M3M	1/8"	M3×0.5
PB1/8-M5M	1/8"	M5×0.8
PB1/8-M6M	1/8"	M6×1.0
PB1/8-01M	1/8"	R1/8
PB180-M3M	1.8mm	M3×0.5
PB180-M5M	1.8mm	M5×0.8
PB2-M3M	2mm	M3×0.5
PB2-M5M	2mm	M5×0.8
PB3-M3M	3mm	M3×0.5
PB3-M5M	3mm	M5×0.8
PB3-M6M	3mm	M6×1.0
PB3-01M	3mm	R1/8
PB4-M3M	4mm	M3×0.5
PB4-M5M	4mm	M5×0.8
PB4-M6M	4mm	M6×1.0
PB4-01M	4mm	R1/8
PB4-02M	4mm	R1/4
PB6-M5M	6mm	M5×0.8
PB6-M6M	6mm	M6×1.0
PB6-01M	6mm	R1/8
PB6-02M	6mm	R1/4
PB6-03M	6mm	R3/8



# PD

## MINI TYPE

Run Tee



MODEL	D1	R1
PD1/8-U10MU	1/8"	10-32UNF
PD1/8-N1MU	1/8"	NPT1/8
PD5/32-M3M	5/32"	M3×0.5
PD5/32-M5M	5/32"	M5×0.8
PD5/32-M6M	5/32"	M6×1.0
PD5/32-U10MU	5/32"	10-32UNF
PD5/32-N1MU	5/32"	NPT1/8
PD5/32-N2MU	5/32"	NPT1/4
PD5/32-01M	5/32"	R1/8
PD5/32-02M	5/32"	R1/4
PD1/4-M5M	1/4"	M5×0.8
PD1/4-M6M	1/4"	M6×1.0
PD1/4-N0MU	1/4"	NPT1/16
PD1/4-N1MU	1/4"	NPT1/8
PD1/4-N2MU	1/4"	NPT1/4
PD1/4-N3MU	1/4"	NPT3/8
PD1/4-U10MU	1/4"	10-32UNF
PD1/4-01M	1/4"	R1/8
PD1/4-02M	1/4"	R1/4
PD1/4-03M	1/4"	R3/8

MODEL	D1	R1
PD1/8-M3M	1/8"	M3×0.5
PD1/8-M5M	1/8"	M5×0.8
PD1/8-M6M	1/8"	M6×1.0
PD1/8-01M	1/8"	R1/8
PD180-M3M	1.8mm	M3×0.5
PD180-M5M	1.8mm	M5×0.8
PD2-M3M	2mm	M3×0.5
PD2-M5M	2mm	M5×0.8
PD3-M3M	3mm	M3×0.5
PD3-M5M	3mm	M5×0.8
PD3-M6M	3mm	M6×1.0
PD3-01M	3mm	R1/8
PD4-M3M	4mm	M3×0.5
PD4-M5M	4mm	M5×0.8
PD4-M6M	4mm	M6×1.0
PD4-01M	4mm	R1/8
PD4-02M	4mm	R1/4
PD6-M5M	6mm	M5×0.8
PD6-M6M	6mm	M6×1.0
PD6-01M	6mm	R1/8
PD6-02M	6mm	R1/4
PD6-03M	6mm	R3/8

# PGJ

## MINI TYPE

Reducer/Expander



MODEL	PD	D1
PGJ1/8-1/4M	1/8"	1/4"
PGJ1/8-5/32M	1/8"	5/32"
PGJ1/4-6M	1/4"	6mm
PGJ1/4-1/8M	1/4"	1/8"
PGJ1/4-5/32M	1/4"	5/32"
PGJ5/32-1/8M	5/32"	1/8"
PGJ5/32-1/4M	5/32"	1/4"
PGJ3/16-1/8M	3/16"	1/8"
PGJ3/16-1/4M	3/16"	1/4"
PGJ3/16-5/32M	3/16"	5/32"

MODEL	PD	D1
PGJ3-1/8M	3mm	1/8"
PGJ3-180M	3mm	1.8mm
PGJ3-2M	3mm	2mm
PGJ3-4M	3mm	4mm
PGJ3-6M	3mm	6mm
PGJ4-1/8M	4mm	1/8"
PGJ4-180M	4mm	1.8mm
PGJ4-2M	4mm	2mm
PGJ4-3M	4mm	3mm
PGJ4-6M	4mm	6mm
PGJ6-1/8M	6mm	1/8"
PGJ6-1/4M	6mm	1/4"
PGJ6-3M	6mm	3mm
PGJ6-4M	6mm	4mm

## PLJ MINI TYPE

Plug-in Elbow



MODEL	D1/PD
PLJ1/8M	1/8"
PLJ5/32M	5/32"
PLJ3/16M	3/16"
PLJ1/4M	1/4"
PLJ3M	3mm
PLJ4M	4mm
PLJ6M	6mm

## PLGJ MINI TYPE

Unequal Plug-in Elbow



MODEL	PD	D1
PLGJ1/8-5/32M	1/8"	5/32"
PLGJ1/8-1/4M	1/8"	1/4"
PLGJ1/8-3M	1/8"	3mm
PLGJ1/4-1/8M	1/4"	1/8"
PLGJ1/4-5/32M	1/4"	5/32"
PLGJ1/4-6M	1/4"	6mm
PLGJ5/32-1/8M	5/32"	1/8"
PLGJ5/32-1/4M	5/32"	1/4"
PLGJ3/16-1/8M	3/16"	1/8"
PLGJ3/16-5/32M	3/16"	5/32"
PLGJ3/16-1/4M	3/16"	1/4"

## PE MINI TYPE

Union Tee



MODEL	D1
PE1/8M	1/8"
PE5/32M	5/32"
PE1/4M	1/4"
PE180M	1.8mm
PE2M	2mm
PE3M	3mm
PE4M	4mm
PE6M	6mm

## PLHJ MINI TYPE

45-degree Plug-in Elbow



MODEL	D1/PD
PLHJ4M	4mm
PLHJ6M	6mm

MODEL	PD	D1
PLGJ3-1/8M	3mm	1/8"
PLGJ3-180M	3mm	1.8mm
PLGJ3-2M	3mm	2mm
PLGJ3-4M	3mm	4mm
PLGJ3-6M	3mm	6mm
PLGJ4-1/8M	4mm	1/8"
PLGJ4-180M	4mm	1.8mm
PLGJ4-2M	4mm	2mm
PLGJ4-3M	4mm	3mm
PLGJ4-6M	4mm	6mm
PLGJ6-1/8M	6mm	1/8"
PLGJ6-1/4M	6mm	1/4"
PLGJ6-3M	6mm	3mm
PLGJ6-4M	6mm	4mm

## PEG MINI TYPE

Unequal Union Tee



MODEL	D1	D2
PEG1/8-5/32M	1/8"	5/32"
PEG5/32-1/8M	5/32"	1/8"
PEG5/32-1/4M	5/32"	1/4"
PEG1/4-5/32M	1/4"	5/32"
PEG3-180M	3mm	1.8mm
PEG3-2M	3mm	2mm
PEG3-4M	3mm	4mm
PEG4-1/8M	4mm	1/8"
PEG4-3M	4mm	3mm
PEG4-6M	4mm	6mm
PEG6-4M	6mm	4mm

**PY**  
MINI TYPE

Union Y



MODEL	D1
PY1/8M	1/8"
PY5/32M	5/32"
PY1/4M	1/4"
PY180M	1.8mm
PY2M	2mm
PY3M	3mm
PY4M	4mm
PY6M	6mm

**PW**  
MINI TYPE

Unequal Union Y



MODEL	D1	D2
PW5/32-1/8M	5/32"	1/8"
PW1/4-5/32M	1/4"	5/32"
PW1/4-1/8M	1/4"	1/8"
PW1/8-3M	1/8"	3mm
PW4-1/8M	4mm	1/8"
PW4-3M	4mm	3mm
PW6-1/8M	6mm	1/8"
PW6-3M	6mm	3mm
PW6-4M	6mm	4mm

**PYJ**  
MINI TYPE

Plug-in Y



MODEL	PD/D1
PYJ5/32M	5/32"
PYJ1/8M	1/8"
PYJ3M	3mm
PYJ4M	4mm
PYJ6M	6mm

**PWJ**  
MINI TYPE

Unequal Plug-in Y



MODEL	PD	D1
PWJ5/32-1/8M	5/32"	1/8"
PWJ4-1/8M	4mm	1/8"
PWJ4-3M	4mm	3mm
PWJ6-1/8M	6mm	1/8"
PWJ6-3M	6mm	3mm
PWJ6-4M	6mm	4mm

**PM**  
MINI TYPE

Bulkhead Union



MODEL	D1
PM1/8M	1/8"
PM1/8MU	1/8"
PM5/32M	5/32"
PM5/32MU	5/32"
PM1/4M	1/4"
PM1/4MU	1/4"
PM180M	1.8mm
PM2M	2mm
PM3M	3mm
PM4M	4mm
PM6M	6mm

**PV**  
MINI TYPE

Union Elbow



MODEL	D1
PV1/8M	1/8"
PV5/32M	5/32"
PV1/4M	1/4"
PV180M	1.8mm
PV2M	2mm
PV3M	3mm
PV4M	4mm
PV6M	6mm

## PZA

### MINI TYPE

Union Cross



MODEL	D1
PZA1/8M	1/8"
PZA5/32M	5/32"
PZA3M	3mm
PZA4M	4mm
PZA6M	6mm

## PZC

### MINI TYPE

Reducing Cross



MODEL	D1	D2
PZC5/32-1/8M	5/32"	1/8"
PZC1/8-3M	1/8"	3mm
PZC4-1/8M	4mm	1/8"
PZC4-3M	4mm	3mm
PZC6-1/8M	6mm	1/8"
PZC6-4M	6mm	4mm

## PP

### MINI TYPE

Plug



MODEL	PD
PP1/8M	1/8"
PP180M	1.8mm
PP2M	2mm
PP3M	3mm

## PZB

### MINI TYPE

Unequal Cross



MODEL	D1	D2
PZB5/32-1/8M	5/32"	1/8"
PZB1/8-3M	1/8"	3mm
PZB4-1/8M	4mm	1/8"
PZB4-3M	4mm	3mm
PZB6-1/8M	6mm	1/8"
PZB6-4M	6mm	4mm

## PIJ

### MINI TYPE

Union Stem



MODEL	PD
PIJ1/8M	1/8"
PIJ3M	4mm

## PPF

### MINI TYPE

Cap



MODEL	D1
PPF180M	1.8mm
PPF2M	2mm
PPF3M	3mm

\*1/8" O.D. cap is listed as standard fitting.  
Visit "Standard" fitting.

## PF

### MINI TYPE

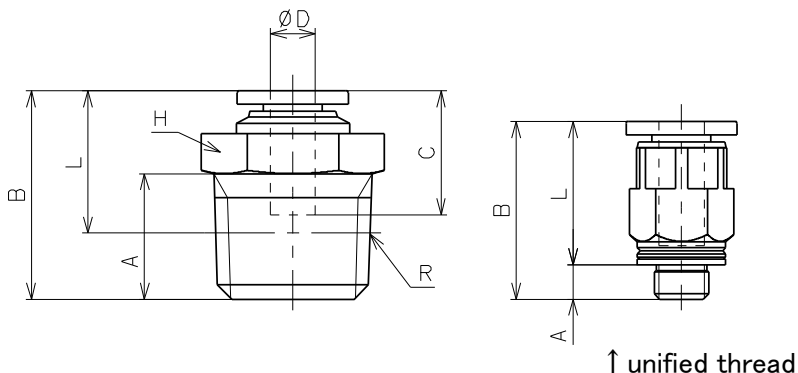
Extension Screw Adaptor



MODEL	R1	R2
PFM5-M3M	M5X0.8	M3X0.5
PF01-M3M	R1/8	M3X0.5

**PC Mini** Straight

RoHS compliant



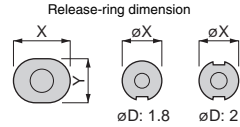
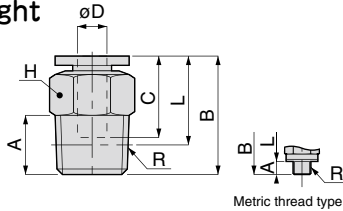
❖ NPT and UNF thread

unit: inch

Model	Tube O.D. φ D	R	A	B	L	C	Hex.	Orifice φ (mm)	Wt. (g)	CAD file name
PC1/8-U10MU	1/8	10-32UNF	0.12	0.61	0.50	0.43	5/16	2.0	3.2	PC1_8-U10MU
PC1/8-N0MU	1/8	1/16 NPT	0.31	0.70	0.54	0.43	7/16	2.0	7.3	PC1_8-N0MU
PC1/8-N1MU	1/8	1/8 NPT	0.31	0.61	0.45	0.43	7/16	2.0	7.6	PC1_8-N1MU
PC1/8-N2MU	1/8	1/4 NPT	0.43	0.72	0.49	0.43	9/16	2.0	16	PC1_8-N2MU
PC5/32-U10MU	5/32	10-32UNF	0.12	0.61	0.50	0.43	5/16	2.4	3.1	PC5_32-U10MU
PC5/32-N0MU	5/32	1/16 NPT	0.31	0.70	0.54	0.43	7/16	2.5	7.3	PC5_32-N0MU
PC5/32-N1MU	5/32	1/8 NPT	0.31	0.61	0.45	0.43	7/16	2.5	7.4	PC5_32-N1MU
PC5/32-N2MU	5/32	1/4 NPT	0.43	0.72	0.49	0.43	9/16	2.5	16	PC5_32-N2MU
PC1/4-U10MU	1/4	10-32UNF	0.12	0.63	0.52	0.45	7/16	2.4	5.2	PC1_4-U10MU
PC1/4-N0MU	1/4	1/16 NPT	0.31	0.78	0.62	0.45	7/16	3.5	7.1	PC1_4-N0MU
PC1/4-N1MU	1/4	1/8 NPT	0.31	0.74	0.58	0.45	7/16	4.6	7.7	PC1_4-N1MU
PC1/4-N2MU	1/4	1/4 NPT	0.43	0.74	0.51	0.45	9/16	4.6	14	PC1_4-N2MU
PC1/4-N3MU	1/4	3/8 NPT	0.47	0.78	0.54	0.45	11/16	4.6	27	PC1_4-N3MU
PC3-U10MU	3mm	10-32UNF	0.12	0.61	0.50	0.43	5/16	2.0	3.2	PC3-U10MU
PC3-N1MU	3mm	1/8 NPT	0.31	0.61	0.45	0.43	7/16	2.0	7.6	PC3-N1MU
PC4-U10MU	4mm	10-32UNF	0.12	0.61	0.50	0.43	5/16	2.4	3.1	PC4-U10MU
PC4-N1MU	4mm	1/8 NPT	0.31	0.61	0.45	0.43	7/16	2.5	7.4	PC4-N1MU
PC6-U10MU	6mm	10-32UNF	0.12	0.64	0.52	0.46	7/16	2.4	7.5	PC6-U10MU
PC6-N1MU	6mm	1/8 NPT	0.31	0.69	0.53	0.46	7/16	4.6	7.5	PC6-N1MU



Straight



❖ Metric thread

Unit : mm

Model code	Tube O.D. øD	R	A	B	L	Tube end C	Hex. H	X (øX)	Y	Effective area (mm <sup>2</sup> )	Weight (g)	CAD file name
PC1/8-M3M④	1/8"	M3×0.5	2.5 [2.2]	15.1	12.6 [12.9]	10.9	8	9.8	7.8	0.9	2.5	PC1_8-M3M[C]
PC1/8-M5M④		M5×0.8	3 [3.2]	15.6	12.6 [12.4]					2.6	3.5	PC1_8-M5M[C]
PC1/8-M6M④		M6×1	3.9 [4]	16.6	12.7 [12.6]		2.9			3.6	PC1_8-M6M[C]	
PC1/8-01M④		R1/8	8	15.6	11.6		2.7			6.6	PC1_8-01M	
PC5/32-M3M④	5/32"	M3×0.5	2.5 [2.2]	15.1	12.6 [12.9]	10.9	8	9.8	7.8	0.9	2.4	PC5_32-M3M[C]
PC5/32-M5M④		M5×0.8	3 [3.2]	15.6	12.6 [12.4]					3.8	3.2	PC5_32-M5M[C]
PC5/32-M6M④		M6×1	3.9 [4]	16.6	12.7 [12.6]		3.9			3.6	PC5_32-M6M[C]	
PC5/32-01M④		R1/8	8	15.6	11.6		4.3			6.6	PC5_32-01M	
PC5/32-02M④	R1/4	11	17.3	11.3	6.1	15	PC5_32-02M					
PC1/4-M5M④	1/4"	M5×0.8	3 [3.2]	16.8	13.8 [13.6]	11.4	10	11.8	9.8	3.6	4.2	PC1_4-M5M[C]
PC1/4-M6M④		M6×1	4	17.8	13.8					5.7	4.6	PC1_4-M6M[C]
PC1/4-M7M④		M7×1	Ask us for the dimensions		Non - standard item		14.1			6	PC1_4-01M	
PC1/4-01M④		R1/8	8	18.4	14.4					13	PC1_4-02M	
PC1/4-02M④	R1/4	11	17.9	11.9	26	PC1_4-03M						
PC1/4-03M④	R3/8	12	19.9	13.6	17							
PC180-M3M④	1.8	M3×0.5	2.5 [2.2]	12.1	9.6 [9.9]	8.4	5	4.8	-	0.7	1	PC180-M3M[C]
PC180-M5M④		M5×0.8	3 [3.2]	11.8	8.8 [8.6]		7			2.3	PC180-M5M[C]	
PC180-01M④		R1/8	8	15.4	11.4		10			7.4	PC180-01M	
PC2-M3M④	2	M3×0.5	2.5 [2.2]	12.1	9.6 [9.9]	8.4	5	4.8	-	0.7	0.9	PC2-M3M[C]
PC2-M5M④		M5×0.8	3 [3.2]	11.8	8.8 [8.6]		7			2.2	PC2-M5M[C]	
PC2-01M④		R1/8	8	15.4	11.4		10			7.4	PC2-01M	
PC3-M3M④	3	M3×0.5	2.5 [2.2]	13.1	10.6 [10.9]	9.4	5.5	7	6	0.7	1.1	PC3-M3M[C]
PC3-M5M④		M5×0.8	3 [3.2]	15.6	12.6 [12.4]		8			3.4	PC3-M5M[C]	
PC3-M6M④		M6×1	3.9 [4]	16.6	12.7 [12.6]	10.9	3.7			PC3-M6M[C]		
PC3-01M④		R1/8	8	15.6	11.6		10			2.9	6.7	PC3-01M
PC4-M3M④	4	M3×0.5	2.5 [2.2]	15.1	12.6 [12.9]	10.9	8	9.8	7.8	0.9	2.4	PC4-M3M[C]
PC4-M5M④		M5×0.8	3 [3.2]	15.6	12.6 [12.4]					3.8	3.2	PC4-M5M[C]
PC4-M6M④		M6×1	3.9 [4]	16.6	12.7 [12.6]					6.3	3.6	PC4-M6M[C]
PC4-01M④		R1/8	8	15.6	11.6		10			6.4	6.6	PC4-01M
PC4-02M④		R1/4	11	17.8	11.8		14			6.1	15	PC4-02M
PC6-M5M④	6	M5×0.8	3 [3.2]	17	14 [13.8]	11.7	10	11.8	9.8	3.6	4.5	PC6-M5M[C]
PC6-M6M④		M6×1	4	18	14					4.8	PC6-M6M[C]	
PC6-01M④		R1/8	8	17.6	13.6					6	PC6-01M	
PC6-02M④		R1/4	11	18.1	12.1		13			PC6-02M		
PC6-03M④		R3/8	12	20.1	13.8		17			27	PC6-03M	

\* 1. ④ in Model code / Replaced with "W" for Light-gray color and/or "C" for Clean-room package

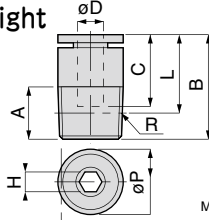
\* 2. "L" is a reference value for height dimension after tightening taper thread.

\* 3. Dimensions in [ ] are for clean-room package products



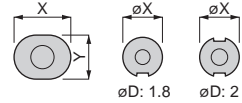
# Inner Hex. Straight

RoHS compliant



Metric or Unified thread type

Release-ring dimension



## ❖ NPT and UNF thread

unit: inch

Model	Tube O.D. φD	R	A	B	L	C	Hex	φP	Orifice φ(mm)	Wt. (g)	CAD file name
POC1/8-U10MU	1/8	10-32UNF	0.12	0.61	0.50	0.43	5/64	0.31	2.0	3.4	POC1_8-U10MU
POC5/32-U10MU	5/32	10-32UNF	0.12	0.61	0.50	0.43	3/32	0.31	2.5	3	POC5_32-U10MU
POC5/32-N1MU	5/32	1/8 NPT	0.31	0.62	0.46	0.43	3/32	0.39	2.5	6.6	POC5_32-N1MU
POC1/4-U10MU	1/4	10-32UNF	0.12	0.63	0.52	0.45	3/32	0.39	2.5	3.2	POC1_4-U10MU
POC1/4-N0MU	1/4	1/16 NPT	0.31	0.77	0.61	0.45	5/32	0.39	4.2	4.2	POC1_4-N0MU
POC1/4-N1MU	1/4	1/8 NPT	0.31	0.72	0.56	0.45	5/32	0.39	4.2	5.9	POC1_4-N1MU
POC3/16-U10MU	3/16	10-32UNF	Ask us for the dimensions								
POC3/16-N1MU	3/16	1/8 NPT									

## ❖ Metric thread

Unit : mm

Model code	Tube O.D. φD	R	A	B	L	Tube end C	Hex. H	φP	X (φX)	Y	Effective area (mm <sup>2</sup> )	Weight (g)	CAD file name
POC1/8-M3M④	1/8"	M3 × 0.5	2.5 [2.2]	15.1	12.6 [12.9]	10.9	1.5	8	9.8	7.8	1.8	2.3	POC1_8-M3M(C)
POC1/8-M5M④		M5 × 0.8	3 [3.2]	15.6	12.6 [12.4]		2				3.3	3	POC1_8-M5M(C)
POC1/8-M6M④		M6 × 1	3.9 [4]	16.6	12.7 [12.6]		9 [8]				3.1	3.6	POC1_8-M6M(C)
POC5/32-M3M④	5/32"	M3 × 0.5	2.5 [2.2]	15.1	12.6 [12.9]	10.9	1.5	8	9.8	7.8	1.8	2.2	POC5_32-M3M(C)
POC5/32-M5M④		M5 × 0.8	3 [3.2]	15.6	12.6 [12.4]		2.5				5.1	3	POC5_32-M5M(C)
POC5/32-M6M④		M6 × 1	3.9 [4]	16.6	12.7 [12.6]		9 [8]				7	3.3	POC5_32-M6M(C)
POC5/32-01M④		R1/8	8	15.8	11.8		10				7.4	6.2	POC5_32-01M
POC1/4-M5M④	1/4"	M5 × 0.8	3 [3.2]	17.1	14.1 [13.9]	11.4	2.5	9.8	11.8	9.8	4.8	3.8	POC1_4-M5M(C)
POC1/4-M6M④		M6 × 1	4	17.7	13.7		3				7.3	4.1	POC1_4-M6M(C)
POC1/4-M7M④		M7 × 1	Ask us for the dimensions				Ask us for the details				Non-standard item		
POC1/4-01M④		R1/8	8	17.7	13.7		4	10			5.2	12	POC1_4-01M
POC180-M3M④	1.8	M3 × 0.5	2.5 [2.2]	12.1	9.6 [9.9]	8.4	1.3	5	4.8	-	1	0.9	POC180-M3M(C)
POC2-M3M④	2	M3 × 0.5	2.5 [2.2]	12.1	9.6 [9.9]	8.4	1.3	5	4.8	-	1	0.8	POC2-M3M(C)
POC3-M3M④	3	M3 × 0.5	2.5 [2.2]	15.1	12.6 [12.9]	10.9	1.5	8	9.8	7.8	1.9	2.3	POC3-M3M(C)
POC3-M5M④		M5 × 0.8	3 [3.2]	15.6	12.6 [12.4]		2				2.8	3.2	POC3-M5M(C)
POC3-M6M④		M6 × 1	3.9 [4]	16.6	12.7 [12.6]		9 [8]				3	3.5	POC3-M6M(C)
POC4-M3M④	4	M3 × 0.5	2.5 [2.2]	15.1	12.6 [12.9]	10.9	1.5	8	9.8	7.8	1.8	2.2	POC4-M3M(C)
POC4-M5M④		M5 × 0.8	3 [3.2]	15.6	12.6 [12.4]		2.5				5.1	3	POC4-M5M(C)
POC4-M6M④		M6 × 1	3.9 [4]	16.6	12.7 [12.6]		9 [8]				7	3.3	POC4-M6M(C)
POC4-01M④		R1/8	8	15.8	11.8		3	10			7.4	6.2	POC4-01M
POC6-M5M④	6	M5 × 0.8	3 [3.2]	17.5	14.5 [14.3]	11.7	2.5	9.8	11.8	9.8	5.2	4.4	POC6-M5M(C)
POC6-M6M④		M6 × 1	4	18	14		3				7.1	4.7	POC6-M6M(C)
POC6-M7M④		M7 × 1	5.5	20.9	15.4		4				13	8.4	Non-standard item
POC6-01M④		R1/8	8	17.9	13.9		4				10	13	5.6

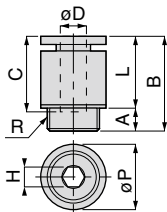
※ 1. ④ in Model code / Replaced with "W" for Light-gray color and/or "C" for Clean-room package

※ 2. "L" is a reference value for height dimension after tightening taper thread.

※ 3. Dimensions in [ ] are for clean-room package products

## PCC Mini Cartridge

RoHS compliant



Release-ring dimension



### ❖ Metric thread

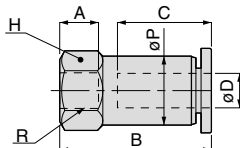
Unit : mm

Model code	Tube O.D. $\phi D$	R	A	B	L	Tube end C	Hex. H	$\phi P$	X	Y	Effective area (mm <sup>2</sup> )	Weight (g)	CAD file name
PCC1/8-M6M④	1/8"	M6 × 0.75	3	14	11	10.9	2	8	9.8	7.8	3	2.7	PCC1_8-M6M
PCC4-M6M④	4	M6 × 0.75	3.4	14	11	10.9	2.5	8	9.8	7.8	5.1	2.6	PCC4-M6M
PCC4-M8M④		M8 × 0.75			10.6		3				10	7.3	4.9
PCC3-M6M④	3	M6 × 0.75	3	14	11	10.9	2	8	9.8	7.8	2.9	2.7	PCC3-M6M
PCC6-M8M④	6	M8 × 0.75	3.4	14.8	11.4	11.7	4	10	11.8	9.8	12.8	3.6	PCC6-M8M

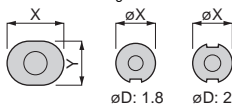
※ 1. ④ in Model code / Replaced with "W" for Light-gray color and/or "C" for Clean-room package

## PCF Mini Female Straight

RoHS compliant



Release-ring dimension



### ❖ UNF thread

unit:

Model	Tube O.D. $\phi D$	M	A	B	$\phi P$	C	Hex.	Orifice $\phi$ (mm)	Weight (g)	CAD file name
PCF1/8-U10MU	1/8	10-32UNF	0.18	0.67	0.31	0.43	5/16	2.0	4.3	PCF1_8-U10MU
PCF5/32-U10MU	5/32	10-32UNF	0.18	0.67	0.31	0.43	5/16	2.0	4.2	PCF5_32-U10MU
PCF1/4-U10MU	1/4	10-32UNF	0.14	0.65	0.39	0.45	7/16	3.9	6.7	PCF1_4-U10MU
PCF4-U10MU	4mm	10-32UNF	0.18	0.67	0.31	0.43	5/16	2.0	4.2	n/a

### ❖ Metric thread

Unit : mm

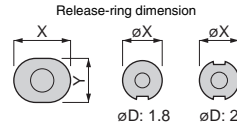
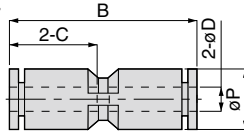
Model code	Tube O.D. $\phi D$	R	A	B	$\phi P$	Tube end C	Hex. H	X	Y	Effective area (mm <sup>2</sup> )	Weight (g)	CAD file name
PCF1/8-M3M④	1/8"	M3 × 0.5	4.5	15.4	8	10.9	8	9.8	7.8	3.5	3.7	PCF1_8-M3M
PCF1/8-M5M④		M5 × 0.8		17.6								4.4
PCF5/32-M3M④	5/32"	M3 × 0.5	4.5	15.4	8	10.9	8	9.8	7.8	3.5	3.6	PCF5_32-M3M
PCF5/32-M5M④		M5 × 0.8		17.6								4.3
PCF1/4-M5M④	1/4"	M5 × 0.8	5.1	16.5	10	11.4	10	11.8	9.8	11.1	5.8	PCF1_4-M5M
PCF180-M3M④	1.8	M3 × 0.5	4	13.9	5	8.4	5	4.8	-	0.9	1.4	PCF180-M3M
PCF2-M3M④	2	M3 × 0.5	4	13.9	5	8.4	5	4.8	-	0.9	1.4	PCF2-M3M
PCF3-M3M④	3	M3 × 0.5	4.4	13.8	5.5	9.4	5.5	7	6	1.4	1.5	PCF3-M3M
PCF3-M5M④				M5 × 0.8	15.4		8			8	2.8	4.2
PCF4-M3M④	4	M3 × 0.5	4.5	15.4	8	10.9	8	9.8	7.8	3.5	3.6	PCF4-M3M
PCF4-M5M④				M5 × 0.8						17.6	2.6	4.3
PCF6-M5M④	6	M5 × 0.8	5	16.7	10	11.7	10	11.8	9.8	9.1	6.1	PCF6-M5M

※ 1. ④ in Model code / Replaced with "W" for Light-gray color and/or "C" for Clean-room package



**PU** Union Straight

RoHS compliant



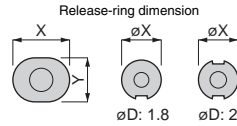
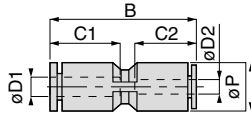
Unit : mm

Model code	Tube O.D. øD	B	øP	Tube end C	X (øX)	Y	Effective area (mm <sup>2</sup> )	Weight (g)	CAD file name
PU1/8M④	1/8"	22.7	8	11	9.8	7.8	2.6	2.1	PU1_8M
PU5/32M④	5/32"	22.7	8	11	9.8	7.8	5.4	3.1	PU5_32M
PU1/4M④	1/4"	24.8	10.4	11.4	11.8	9.8	11.5	3.1	PU1_4M
PU180M④	1.8	18.5	6	8.4	4.8	—	0.6	1.1	PU180M
PU2M④	2	18.5	6	8.4	4.8	—	0.6	1.1	PU2M
PU3M④	3	19.6	6	9.3	7	6	2.7	1.1	PU3M
PU4M④	4	22.7	8	11	9.8	7.8	5.4	2	PU4M
PU6M④	6	24.4	10.4	11.6	11.8	9.8	11	3.1	PU6M

※ 1. ④ in Model code / Replaced with "W" for Light-gray color and/or "C" for Clean-room package

**PG** Unequal Union Straight

RoHS compliant



Unit : mm

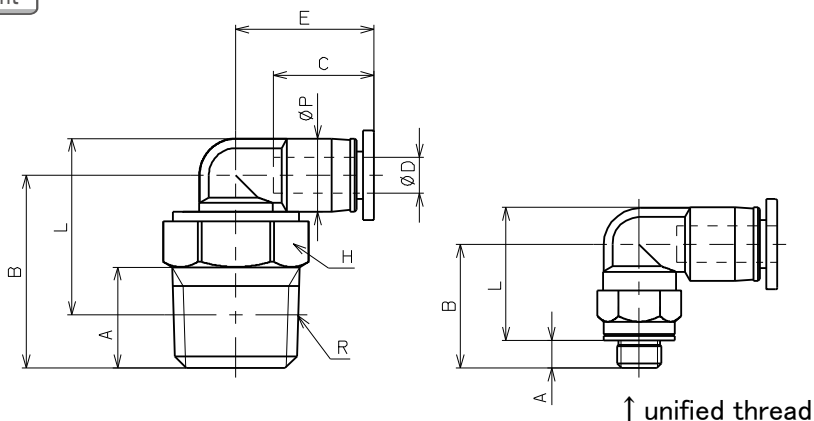
Model code	Tube O.D. øD1	Tube O.D. øD2	B	øP	Tube end C1	Tube end C2	øD1 release-ring		øD2 release-ring		Effective area (mm <sup>2</sup> )	Weight (g)	CAD file name
							X	Y	X(øX)	Y			
PG5/32-1/8M④	5/32"	1/8"	22.7	8	11	11	9.8	7.8	9.8	7.8	2.4	2.1	PG5_32-1_8M
PG1/4-1/8M④	1/4"	1/8"	24.2	10.4	11.4	11	11.8	9.8	9.8	7.8	4.7	3	PG1_4-1_8M
PG1/4-5/32M④		5/32"									3.8	3.9	PG1_4-5_32M
PG1/4-6M④	6	Ask us for the dimensions	Ask us for the dimensions	Ask us for the dimensions	Ask us for the dimensions	Ask us for the dimensions	Ask us for the dimensions	Ask us for the dimensions	Ask us for the dimensions	Ask us for the dimensions	Ask us for the details	Ask us for the details	Ask us for the details
PG3/16-1/8M④													
PG3-180M④	3	1.8	19.1	6	9.3	8.4	7	6	4.8	-	0.9	1.1	PG3-180M
PG3-2M④		2										1	PG3-2M
PG4-180M④	4	1.8	22.4	8	11	8.4	9.8	7.8	4.8	-	0.7	1.8	PG4-180M
PG4-2M④		2											PG4-2M
PG4-3M④		3											PG4-3M
PG4-1/8M④		1/8"											PG4-1_8M
PG6-1/8M④	6	1/8"	24	10.4	11.6	11	11.8	9.8	9.8	7.8	2.6	3	PG6-1_8M
PG6-3M④		3											PG6-3M
PG6-4M④		4											PG6-4M

※ 1. ④ in Model code / Replaced with "W" for Light-gray color and/or "C" for Clean-room package.

❖ Ask us for the dimensions of PG1/4-6M or PG3/16-1/8M

**PL**  
Mini  
**Elbow**

RoHS compliant

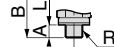
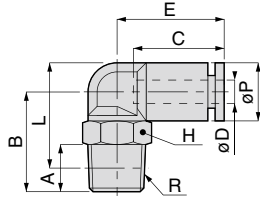


❖ NPT and UNF thread

unit: inch

Model	Tube O.D. φD	R	A	B	L	φP	C	E	Hex.	Orifice φ (mm)	Wt. (g)	CAD file name
PL1/8-U10MU	1/8	10-32UNF	0.12	0.53	0.57	0.31	0.43	0.59	5/16	2.4	3.4	PL1_8-U10MU
PL1/8-N0MU	1/8	1/16 NPT	0.31	0.73	0.72	0.31	0.43	0.59	7/16	2.5	7.5	PL1_8-N0MU
PL1/8-N1MU	1/8	1/8 NPT	0.31	0.63	0.63	0.31	0.43	0.59	7/16	2.5	7	PL1_8-N1MU
PL1/8-N2MU	1/8	1/4 NPT	0.43	0.83	0.76	0.31	0.43	0.59	9/16	2.5	18	PL1_8-N2MU
PL5/32-U10MU	5/32	10-32UNF	0.12	0.53	0.57	0.31	0.43	0.59	5/16	2.4	3.3	PL5_32-U10MU
PL5/32-N0MU	5/32	1/16 NPT	0.31	0.73	0.72	0.31	0.43	0.59	7/16	2.5	7.5	PL5_32-N0MU
PL5/32-N1MU	5/32	1/8 NPT	0.31	0.63	0.63	0.31	0.43	0.59	7/16	2.5	7	PL5_32-N1MU
PL5/32-N2MU	5/32	1/4 NPT	0.43	0.83	0.76	0.31	0.43	0.59	9/16	3.0	13	PL5_32-N2MU
PL1/4-U10MU	1/4	10-32UNF	0.12	0.57	0.66	0.41	0.45	0.64	5/16	2.4	3.9	PL1_4-U10MU
PL1/4-N0MU	1/4	1/16 NPT	0.31	0.77	0.81	0.41	0.45	0.64	7/16	3.5	8	PL1_4-N0MU
PL1/4-N1MU	1/4	1/8 NPT	0.31	0.67	0.71	0.41	0.45	0.64	7/16	4.0	7.5	PL1_4-N1MU
PL1/4-N2MU	1/4	1/4 NPT	0.43	0.87	0.85	0.41	0.45	0.64	9/16	4.0	18	PL1_4-N2MU
PL1/4-N3MU	1/4	3/8 NPT	0.47	0.92	0.88	0.41	0.45	0.64	11/16	4.0	22	PL1_4-N3MU
PL3-U10MU	3mm	10-32UNF	0.12	0.53	0.57	0.31	0.43	0.59	5/16	2.4	3.4	PL3-U10MU
PL3-N1MU	3mm	1/8 NPT	0.31	0.63	0.63	0.31	0.43	0.59	7/16	2.5	7	PL3-N1MU
PL4-U10MU	4mm	10-32UNF	0.12	0.53	0.57	0.31	0.43	0.59	5/16	2.4	3.3	PL4-U10MU
PL4-N1MU	4mm	1/8 NPT	0.31	0.63	0.63	0.31	0.43	0.59	7/16	2.5	6.9	PL4-N1MU
PL6-U10MU	6mm	10-32UNF	0.12	0.57	0.66	0.41	0.46	0.63	5/16	2.4	4	PL6-U10MU
PL6-N1MU	6mm	1/8 NPT	0.31	0.67	0.71	0.41	0.46	0.63	7/16	4.0	7.6	PL6-N1MU

**PL** Elbow  
Mini  
RoHS compliant



Metric thread type

Release-ring dimension



øD: 1.8

øD: 2

❖ Metric thread

Unit : mm

Model code	Tube O.D. øD	R	A	B	L	øP	Tube end C	E	Hex. H	X (øX)	Y	Effective area (mm <sup>2</sup> )	Weight (g)	CAD file name						
PL1/8-M3M④	1/8"	M3×0.5	2.5 [2.2]	14	15.5 [15.8]	8	11	15.1	8	9.8	7.8	0.9	3.1	PL1_8-M3M[C]						
PL1/8-M5M④		M5×0.8	3 [3.2]	13.5	14.5 [14.3]							2.7	3.5	PL1_8-M5M[C]						
PL1/8-M6M④		M6×1	3.9 [4]	14.5	14.6 [14.5]				2.5			3.8	PL1_8-M6M[C]							
PL1/8-01M④		R1/8	8	16	16				2			6.3	PL1_8-01M							
PL5/32-M3M④	5/32"	M3×0.5	2.5 [2.2]	14	15.5 [15.8]	8	11	15.1	8	9.8	7.8	1.3	3	PL5_32-M3M[C]						
PL5/32-M5M④		M5×0.8	3 [3.2]	13.5	14.5 [14.3]							2.8	3.4	PL5_32-M5M[C]						
PL5/32-M6M④		M6×1	3.9 [4]	14.5	14.6 [14.5]				3			3.7	PL5_32-M6M[C]							
PL5/32-01M④		R1/8	8	16	16				3.2			6.2	PL5_32-01M							
PL5/32-02M④	R1/4	11	21	19	4.9	13	PL5_32-02M													
PL1/4-M5M④	1/4"	M5×0.8	3 [3.2]	14.5	16.8 [16.6]				8			3	4.1	PL1_4-M5M[C]						
PL1/4-M6M④		M6×1	3.9 [4]	15.5	16.9 [16.8]							3.7	4.2	PL1_4-M6M[C]						
PL1/4-M7M④		M7×1	Ask us for the dimensions						10.5			11.4	16.2	10	11.8	9.8	6.8	PL1_4-01M		
PL1/4-01M④		R1/8	8	17	18.3													14	13	PL1_4-02M
PL1/4-02M④	R1/4	11	22.3	21.5	17	8.6	21	PL1_4-03M												
PL1/4-03M④	R3/8	12	23.3	22.2	17	8.6	21	PL1_4-03M												
PL180-M3M④	1.8	M3×0.5	2.5 [2.2]	12	12.5 [12.8]	6	8.4	10.3	5.5	4.8	-	0.5	1.4	PL180-M3M[C]						
PL180-M5M④		M5×0.8	3 [3.2]	13.5	13.5 [13.3]				8			2.8	PL180-M5M[C]							
PL180-01M④		R1/8	8	16	15				10			5.6	PL180-01M							
PL2-M3M④	2	M3×0.5	2.5 [2.2]	12	12.5 [12.8]	6	8.4	10.3	5.5	4.8	-	0.5	1.4	PL2-M3M[C]						
PL2-M5M④		M5×0.8	3 [3.2]	13.5	13.5 [13.3]				8			2.7	PL2-M5M[C]							
PL2-01M④		R1/8	8	16	15				10			0.7	5.5	PL2-01M						
PL3-M3M④	3	M3×0.5	2.5 [2.2]	12	12.5 [12.8]	6	9.3	10.8	5.5	7	6	0.5	1.4	PL3-M3M[C]						
PL3-M5M④		M5×0.8	3 [3.2]	13.5	13.5 [13.3]				8			2.8	PL3-M5M[C]							
PL3-M6M④		M6×1	3.9 [4]	14.5	13.6 [13.5]				10			3.1	PL3-M6M[C]							
PL3-01M④		R1/8	8	16	16				8			2.4	6.3	PL3-01M						
PL4-M3M④	4	M3×0.5	2.5 [2.2]	14	15.5 [15.8]	8	11	15.1	8	9.8	7.8	1.3	3	PL4-M3M[C]						
PL4-M5M④		M5×0.8	3 [3.2]	13.5	14.5 [14.3]							2.2	3.4	PL4-M5M[C]						
PL4-M6M④		M6×1	3.9 [4]	14.5	14.6 [14.5]				3.9			3.7	PL4-M6M[C]							
PL4-01M④		R1/8	8	16	16				10			4.8	6.2	PL4-01M						
PL4-02M④	R1/4	11	21	19	14	4.9	13	PL4-02M												
PL6-M5M④	6	M5×0.8	3 [3.2]	14.5	16.8 [16.6]	10.5	11.6	16	8	11.8	9.8	3.5	4.1	PL6-M5M[C]						
PL6-M6M④		M6×1	3.9 [4]	15.5	16.9 [16.8]							3.6	4.4	PL6-M6M[C]						
PL6-01M④		R1/8	8	17	18.3				10			8.5	6	PL6-01M						
PL6-02M④		R1/4	11	22.3	21.5				14			8.4	13	PL6-02M						
PL6-03M④	R3/8	12	23.3	22.2	17	8.6	21	PL6-03M												

\*1. ④ in Model code / Replaced with "W" for Light-gray color and/or "C" for Clean-room package

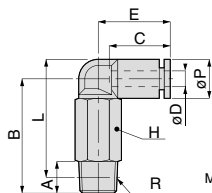
\*2. "L" is a reference value for height dimension after tightening taper thread.

\*3. Dimensions in [ ] are for clean-room package products

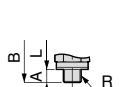


# Long Elbow

RoHS compliant



Release-ring dimension



Metric or Unified thread type

øD: 1.8 øD: 2 unit: inch

## ❖ NPT and UNF thread

Mode I	Tube O.D. øD	R	A	B	L	øP	C	E	Hex.	Orifice ø (mm)	Wt. (g)	CAD file name
PLL1/8-U10MU	1/8	10-32UNF	0.12	0.98	1.02	0.31	0.43	0.59	5/16	2.4	8	PLL1_8-U10MU
PLL1/8-NOMU	1/8	1/16 NPT	0.31	1.12	1.12	0.31	0.43	0.59	7/16	2.5	16	PLL1_8-NOMU
PLL1/8-N1MU	1/8	1/8 NPT	0.31	1.12	1.12	0.31	0.43	0.59	7/16	2.5	16	PLL1_8-N1MU
PLL5/32-U10MU	5/32	10-32UNF	0.12	0.98	1.02	0.31	0.43	0.59	5/16	2.4	7.9	PLL5_32-U10MU
PLL5/32-NOMU	5/32	1/16 NPT	0.31	1.12	1.12	0.31	0.43	0.59	7/16	2.5	16	PLL5_32-NOMU
PLL5/32-N1MU	5/32	1/8 NPT	0.31	1.12	1.12	0.31	0.43	0.59	7/16	2.5	16	PLL5_32-N1MU
PLL5/32-N2MU	5/32	1/4 NPT	0.43	1.32	1.25	0.31	0.43	0.59	9/16	3.0	27	PLL5_32-N2MU
PLL1/4-U10MU	1/4	10-32UNF	0.12	1.02	1.11	0.41	0.45	0.64	5/16	2.4	8.5	PLL1_4-U10MU
PLL1/4-NOMU	1/4	1/16 NPT	0.31	1.26	1.31	0.41	0.45	0.64	7/16	3.5	18	PLL1_4-NOMU
PLL1/4-N1MU	1/4	1/8 NPT	0.31	1.16	1.20	0.41	0.45	0.64	7/16	4.0	17	PLL1_4-N1MU
PLL1/4-N2MU	1/4	1/4 NPT	0.43	1.37	1.35	0.41	0.45	0.64	9/16	4.0	27	PLL1_4-N2MU
PLL1/4-N3MU	1/4	3/8 NPT	0.47	1.41	1.37	0.41	0.45	0.64	11/16	4.0	43	PLL1_4-N3MU

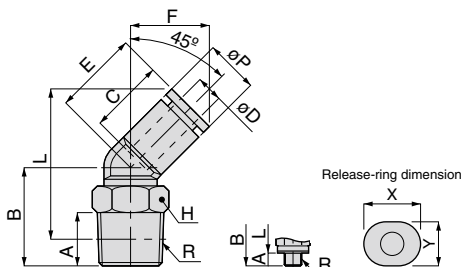
## ❖ Metric thread

Unit : mm

Model code	Tube O.D. øD	R	A	B	L	øP	Tube end C	E	Hex. H	X (øX)	Y	Effective area (mm <sup>2</sup> )	Weight (g)	CAD file name
PLL1/8-M3M④	1/8	M3×0.5	2.5 [2.2]	23	24.5 [24.8]	8	11	15.1	8	9.8	7.8	0.9	6.8	PLL1_8-M3M[C]
PLL1/8-M5M④		M5×0.8	3 [3.2]	25	26 [25.8]							2.5	8.4	PLL1_8-M5M[C]
PLL1/8-M6M④		M6×1	3.9 [4]	26	26.1 [26]				2.1				PLL1_8-M6M[C]	
PLL1/8-01M④		R1/8	8	28.5	28.5				2.3			13	PLL1_8-01M	
PLL5/32-M3M④	5/32	M3×0.5	2.5 [2.2]	23	24.5 [24.8]	8	11	15.1	8	9.8	7.8	0.9	6.8	PLL5_32-M3M[C]
PLL5/32-M5M④		M5×0.8	3 [3.2]	25	26 [25.8]							3	8.3	PLL5_32-M5M[C]
PLL5/32-M6M④		M6×1	3.9 [4]	26	26.1 [26]				3.7			8.4	PLL5_32-M6M[C]	
PLL5/32-01M④		R1/8	8	28.5	28.5				4.2			14	PLL5_32-01M	
PLL5/32-02M④	R1/4	11	33.5	31.5	4.9	26	PLL5_32-02M							
PLL1/4-M5M④	1/4	M5×0.8	3 [3.2]	26	28.3 [28.1]	10.5	11.4	16.2	8	11.8	9.8	3.5	8.8	PLL1_4-M5M[C]
PLL1/4-M6M④		M6×1	3.9 [4]	27	28.4 [28.3]							3.6		
PLL1/4-01M④		R1/8	8	29.5	30.8				8.4			14	PLL1_4-01M	
PLL1/4-02M④		R1/4	11	34.8	34				8.3			26	PLL1_4-02M	
PLL1/4-03M④	R3/8	12	35.8	34.7	4.9	26	PLL1_4-03M							
PLL180-M3M④	1.8	M3×0.5	2.5 [2.2]	19	19.5 [19.8]	6	8.4	10.3	5.5	4.8	-	0.5	2.7	PLL180-M3M[C]
PLL180-M5M④		M5×0.8	3 [3.2]	25	25 [24.8]				0.6			7.6	PLL180-M5M[C]	
PLL2-M3M④	2	M3×0.5	2.5 [2.2]	19	19.5 [19.8]	6	8.4	10.3	5.5	4.8	-	0.5	2.7	PLL2-M3M[C]
PLL2-M5M④		M5×0.8	3 [3.2]	25	25 [24.8]				0.6			7.6	PLL2-M5M[C]	
PLL3-M3M④	3	M3×0.5	2.5 [2.2]	19	19.5 [19.8]	6	9.3	10.8	5.5	7	6	0.6	2.8	PLL3-M3M[C]
PLL3-M5M④		M5×0.8	3 [3.2]	25	25 [24.8]				1.8			7.7	PLL3-M5M[C]	
PLL3-M6M④		M6×1	3.9 [4]	26	25.1 [25]				2.1			7.7	PLL3-M6M[C]	
PLL3-01M④	R1/8	8	28.5	28.5	8	11	15.1	10	9.8	7.8	2.3	13	PLL3-01M	
PLL4-M3M④	4	M3×0.5	2.5 [2.2]	23	24.5 [24.8]	8	11	15.1	8	9.8	7.8	0.9	6.8	PLL4-M3M[C]
PLL4-M5M④		M5×0.8	3 [3.2]	25	26 [25.8]							3	8.3	PLL4-M5M[C]
PLL4-M6M④		M6×1	3.9 [4]	26	26.1 [26]				3.7			8.4	PLL4-M6M[C]	
PLL4-01M④		R1/8	8	28.5	28.5				4.2			14	PLL4-01M	
PLL4-02M④	R1/4	11	33.5	31.5	4.9	26	PLL4-02M							
PLL6-M5M④	6	M5×0.8	3 [3.2]	26	28.3 [28.1]	10.5	11.6	16	8	11.8	9.8	3.3	9	PLL6-M5M[C]
PLL6-M6M④		M6×1	3.9 [4]	27	28.4 [28.3]							3.7		
PLL6-01M④		R1/8	8	29.5	30.8				7.6			14	PLL6-01M	
PLL6-02M④		R1/4	11	34.8	34				8.3			26	PLL6-02M	
PLL6-03M④	R3/8	12	35.8	34.7	4.9	26	PLL6-03M							

## PLH Mini 45° Elbow

RoHS compliant



Metric thread type

Unit : mm

### ❖ Metric thread

Model code	Tube O.D. øD	R	A	B	L	øP	Tube end C	E	F	Hex. H	X	Y	Effective area (mm <sup>2</sup> )	Weight (g)	CAD file name
PLH3-M3M④	3	M3 × 0.5	2.5 [2.2]	12.8	22.3 [22.6]	8	11	12.2	12	8	9.8	7.8	0.8	2.9	PLH3-M3M
PLH3-M5M④		M5 × 0.8	3 [3.2]	12.3	21.3 [21.1]								1.9	3.3	PLH3-M5M
PLH4-M3M④	4	M3 × 0.5	2.5 [2.2]	12.8	22.3 [22.6]	8	11	12.2	12	8	9.8	7.8	1	2.8	PLH4-M3M
PLH4-M5M④		M5 × 0.8	3 [3.2]	12.3	21.3 [21.1]								2.9	3.3	PLH4-M5M
PLH4-M6M④		M6 × 1	3.9	13.3	21.4					4	3.6	PLH4-M6M			
PLH4-O1M④		R1/8	8	14.8	22.8					5	6.1	PLH4-O1M			
PLH6-M5M④	6	M5 × 0.8	3 [3.2]	14.1	23.9 [23.7]	10.5	11.6	12.3	12.8	8	11.8	9.8	3.6	3.9	PLH6-M5M
PLH6-M6M④		M6 × 1	3.9	15.1	24								3.8	4.2	PLH6-M6M
PLH6-O1M④		R1/8	8	16.6	25.4					8.7	6.8	PLH6-O1M			
PLH6-O2M④		R1/4	11	21.6	28.4					8.7	18	PLH6-O2M			

※ 1. ④ in Model code / Replaced with "W" for Light-gray color and/or "C" for Clean-room package

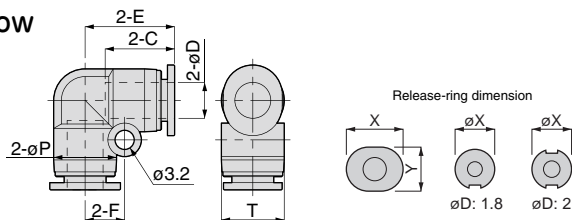
※ 2. "L" is a reference value for height dimension after tightening taper thread.

※ 3. Dimensions in [ ] are for clean-room package products

※ 4. Visit PISCO website for CAD data of clean-room package products.

## PV Mini Union Elbow

RoHS compliant



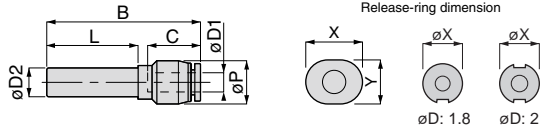
Unit : mm

Model code	Tube O.D. øD	øP	Tube end C	E	F	T	X (øX)	Y	Effective area (mm <sup>2</sup> )	Weight (g)	CAD file name
PV1/8M④	1/8"	8	11	13.1	5.6	8	9.8	7.8	2.1	2.4	PV1_8M
PV5/32M④	5/32"	8	11	13.1	5.6	8	9.8	7.8	4.8	2.3	PV5_32M
PV1/4M④	1/4"	10.5	11.4	15.2	6.6	10.5	11.8	9.8	10.7	3.4	PV1_4M
PV180M④	1.8	6	8.4	10.3	4.5	6	4.8	—	0.7	1.2	PV180M
PV2M④	2	6	8.4	10.3	4.5	6	4.8	—	0.7	1.1	PV2M
PV3M④	3	6	9.3	10.8	4.5	6	7	6	2.3	1.2	PV3M
PV4M④	4	8	11	13.1	5.6	8	9.8	7.8	4.8	2.3	PV4M
PV6M④	6	10.5	11.6	15	6.6	10.5	11.8	9.8	9	3.6	PV6M

※ 1. ④ in Model code / Replaced with "W" for Light-gray color and/or "C" for Clean-room package

# PGJ Mini Unequal Plug-in Straight (Reducer/Expander)

RoHS compliant



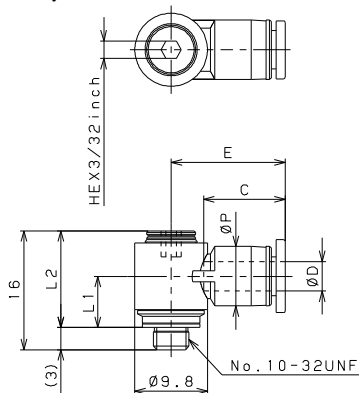
Unit : mm

Model code	Tube O.D. øD1	Tube dia. øD2	B	L	øP	Tube end C	X (øX)	Y	Effective area (mm <sup>2</sup> )	Weight (g)	CAD file name
PGJ1/8-5/32M④	5/32"	1/8"	31	17	9	11	9.8	7.8	1.2	1.3	PGJ1_8-5_32M
PGJ1/8-1/4M④	1/4"		31.6		10.5	11.4	11.8	9.8		1.7	PGJ1_8-1_4M
PGJ5/32-1/8M④	1/8"	5/32"	32	18	9	11	9.8	7.8	2.5	1.5	PGJ5_32-1_8M
PGJ5/32-1/4M④	1/4"		32.6		10.5	11.4	11.8	9.8	3.7	1.7	PGJ5_32-1_4M
PGJ3/16-1/8M④	1/8"	3/16"	34	21	9	11	9.8	7.8	2.5	1.6	PGJ3_16-1_8M
PGJ3/16-5/32M④	5/32"			20.5					3.4	1.5	PGJ3_16-5_32M
PGJ3/16-1/4M④	1/4"		34.6	20.5	10.5	11.4	11.8	9.8	5	1.9	PGJ3_16-1_4M
PGJ1/4-1/8M④	1/8"	1/4"	35.5	22.5	9	11	9.8	7.8	2.5	1.8	PGJ1_4-1_8M
PGJ1/4-5/32M④	5/32"								3.4	1.7	PGJ1_4-5_32M
PGJ1/4-6M④	6		35.9	10.5	11.6	11.8	9.8	10.9	2.1	PGJ1_4-6M	
PGJ3-1/8M④	1/8"	3	31	17	9	11	9.8	7.8	1.2	1.4	PGJ3-1_8M
PGJ3-180M④	1.8		26.3	15	6	8.4	4.8	-	0.9	0.6	PGJ3-180M
PGJ3-2M④	2										PGJ3-2M
PGJ3-4M④	4		31	17	9	11	9.8	7.8	1.2	1.3	PGJ3-4M
PGJ3-6M④	6		31.4	10.5	11.6	11.8	9.8	1.8		PGJ3-6M	
PGJ4-1/8M④	1/8"	4	32	18	9	11	9.8	7.8	2.5	1.5	PGJ4-1_8M
PGJ4-180M④	1.8		26.3	17	6	8.4	4.8	-	0.8	0.7	PGJ4-180M
PGJ4-2M④	2										PGJ4-2M
PGJ4-3M④	3		26.8	9.3	7	6	2.4	0.8	PGJ4-3M		
PGJ4-6M④	6		32.4	18	10.5	11.6	11.8	9.8	3.7	1.8	PGJ4-6M
PGJ6-1/8M④	1/8"	6	32	19	9	11	9.8	7.8	2.5	1.7	PGJ6-1_8M
PGJ6-1/4M④	1/4"				32.6	10.5	11.4	11.8	9.8	9.2	1.9
PGJ6-3M④	3		32		9	11	9.8	7.8	2.5	1.7	PGJ6-3M
PGJ6-4M④	4				3.4	1.6	PGJ6-4M				

※ 1. ④ in Model code / Replaced with "W" for Light-gray color and/or "C" for Clean-room package

**POL Mini** Hex. Holed Banjo

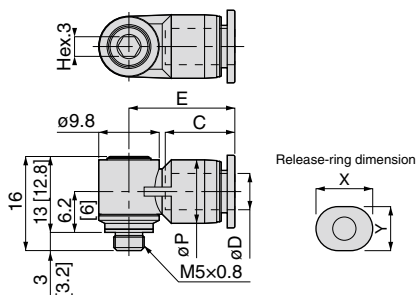
RoHS compliant



❖ UNF thread

unit: inch

Model	Tube O.D. φ D	L1	L2	φ P	C	E	Orifice φ (mm)	Weight (g)	CAD file name
POL1/8-U10MU	1/8	0.27	0.51	0.31	0.43	0.61	2.4	5.1	POL1_8-U10MU
POL5/32-U10MU	5/32	0.27	0.51	0.31	0.43	0.61	2.4	5.1	POL5_32-U10MU



❖ Metric thread

Unit : mm

Model code	Tube O.D. øD	øP	Tube end C	E	X	Y	Effective area (mm <sup>2</sup> )	Weight (g)	CAD file name(※4)
POL1/8-M5M④	1/8"	8	11	15.4	9.8	7.8	1.7	5	POL1_8-M5M
POL5/32-M5M④	5/32"	8	11	15.4	9.8	7.8	2.1	5	POL5_32-M5M
POL3-M5M④	3	8	11	15.4	9.8	7.8	2.1	5	POL3-M5M
POL4-M5M④	4	8	11	15.4	9.8	7.8	2.1	5	POL4-M5M
POL6-M5M④	6	10.5	11.6	17.5	11.8	9.8	2.1	6	POL6-M5M

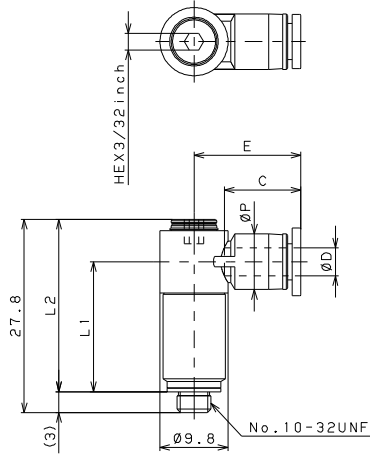
※ 1.④ in Model code / Replaced with "W" for Light-gray color and/or "C" for Clean-room package

※ 2. Dimensions in [ ] are for clean-room package products



# Hex. Holed Long Banjo

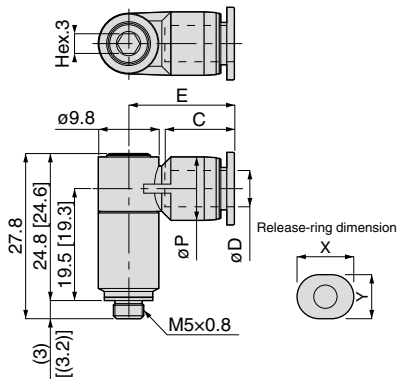
RoHS compliant



## ❖ UNF thread

unit: inch

Model	Tube O.D. $\phi D$	L1	L2	$\phi P$	C	E	Orifice $\phi$ (mm)	Wt. (g)	CAD file name
POLL1/8-U10MU	1/8	0.74	0.98	0.31	0.43	0.61	2.4	11	POLL1_8-U10MU
POLL5/32-U10MU	5/32	0.74	0.98	0.31	0.43	0.61	2.4	11	POLL5_32-U10MU



## ❖ Metric thread

Unit : mm

Model code	Tube O.D. $\phi D$	$\phi P$	Tube end C	E	X	Y	Effective area (mm <sup>2</sup> )	Weight (g)	CAD file name(※4)
POLL1/8-M5M④	1/8"	8	11	15.4	9.8	7.8	1.7	11	POLL1_8-M5M
POLL5/32-M5M④	5/32"	8	11	15.4	9.8	7.8	2.1	11	POLL5_32-M5M
POLL3-M5M④	3	8	11	15.4	9.8	7.8	2.1	11	POLL3-M5M
POLL4-M5M④	4	8	11	15.4	9.8	7.8	2.1	11	POLL4-M5M
POLL6-M5M④	6	10.5	11.6	17.5	11.8	9.8	2.1	13	POLL6-M5M

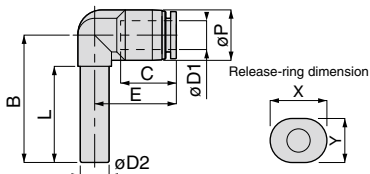
※ 1.④ in Model code / Replaced with "W" for Light-gray color and/or "C" for Clean-room package

※ 2. Dimensions in [ ] are for clean-room package products.



## PLJ Mini Plug-in Elbow

RoHS compliant



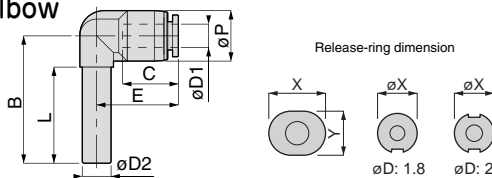
Unit : mm

Model code	Tube O.D. øD1	Tube dia. øD2	B	øP	Tube end C	E	L	X	Y	Effective area (mm <sup>2</sup> )	Weight (g)	CAD file name
PLJ1/8M④	1/8"	1/8"	25	9	11	14.1	17	9.8	7.8	1.2	1.7	PLJ1_8M
PLJ5/32M④	5/32"	5/32"	27.5	9	11	14.1	18	9.8	7.8	2.9	1.7	PLJ5_32M
PLJ3/16M④	3/16"	3/16"	29	10.5	11.7	17.1	20.5	11.8	9.8	4.8	2.5	PLJ3_16M
PLJ1/4M④	1/4"	1/4"	24	10.5	11.4	17.2	22.5	11.8	9.8	8.2	2.4	PLJ1_4M
PLJ3M④	3	3	25	9	11	14.1	17	9.8	7.8	1.2	1.1	PLJ3M
PLJ4M④	4	4	26.5	9	11	14.1	18	9.8	7.8	3.2	1.8	PLJ4M
PLJ6M④	6	6	24	10.5	11.6	17	20	11.8	9.8	5.1	3.1	PLJ6M

\*1. ④ in Model code / Replaced with "W" for Light-gray color and/or "C" for Clean-room package

## PLGJ Mini Unequal Plug-in Elbow

RoHS compliant



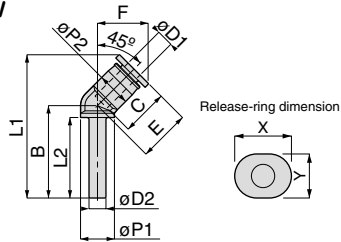
Unit : mm

Model code	Tube O.D. øD1	Tube dia. øD2	B	øP	Tube end C	E	L	X	Y	Effective area (mm <sup>2</sup> )	Weight (g)	CAD file name				
PLGJ1/8-5/32M④	5/32"	1/8"	24	9	11	14.1	17	9.8	7.8	1.2	1.6	PLGJ1_8-5_32M				
PLGJ1/8-1/4M④	1/4"		24.5	10.5	11.4	17.2		11.8	9.8		2.1	PLGJ1_8-1_4M				
PLGJ1/8-3M④	3		24	9	11	14.1		9.8	7.8		1.7	PLGJ1_8-3M				
PLGJ5/32-1/8M④	1/8"	5/32"	25	9	11	14.1	18	9.8	7.8	2.3	1.7	PLGJ5_32-1_8M				
PLGJ5/32-1/4M④	1/4"		25.5	10.5	11.4	17.2		11.8	9.8	3.3	2.1	PLGJ5_32-1_4M				
PLGJ3/16-1/8M④	1/8"	3/16"	27	9	11	14.1	20.5	9.8	7.8	2.3	1.8	PLGJ3_16-1_8M				
PLGJ3/16-5/32M④	5/32"		27.5	10.5	11.4	17.2		11.8	9.8	4.8	2.2	PLGJ3_16-5_32M				
PLGJ3/16-1/4M④	1/4"		27.5	10.5	11.4	17.2		11.8	9.8	4.8	2.2	PLGJ3_16-1_4M				
PLGJ1/4-1/8M④	1/8"	1/4"	28.5	9	11	14.1	22.5	9.8	7.8	2.4	6	PLGJ1_4-1_8M				
PLGJ1/4-5/32M④	5/32"		28.5	9	11	14.1		9.8	7.8	2.9	1.9	PLGJ1_4-5_32M				
PLGJ1/4-6M④	6		29	10.5	11.6	17		11.8	9.8	8.2	2.5	PLGJ1_4-6M				
PLGJ3-180M④	1.8	3	21	6	8.4	10.3	17	4.8	-	0.7	0.7	PLGJ3-180M				
PLGJ3-2M④	2						16.5					PLGJ3-2M				
PLGJ3-4M④	4						17					9.8	7.8	1.6	PLGJ3-4M	
PLGJ3-6M④	6	1/8"	24.5	10.5	11.6	17	17	11.8	9.8	1.2	2.2	PLGJ3-6M				
PLGJ3-1/8M④	1/8"		24	9	11	14.1		9.8	7.8	1.7	1.7	PLGJ3-1_8M				
PLGJ4-180M④	1.8		4	21	6	8.4		10.3	17	4.8	-	0.7	0.8	PLGJ4-180M		
PLGJ4-2M④	2	16.5					PLGJ4-2M									
PLGJ4-3M④	3	18					25		9					11	14.1	9.8
PLGJ4-6M④	6		25.5	10.5	11.6	17	11.8	9.8	3.3	2.2	PLGJ4-6M					
PLGJ4-1/8M④	1/8"		25	9	11	14.1	9.8	7.8	2.3	1.7	PLGJ4-1_8M					
PLGJ6-1/8M④	1/8"	6	26	9	11	14.1	20	9.8	7.8	2.3	1.9	PLGJ6-1_8M				
PLGJ6-1/4M④	1/4"							26.5	10.5	11.4	17.2	11.8	9.8	8.2	2.3	PLGJ6-1_4M
PLGJ6-3M④	3							26	9	11	14.1	20	9.8	7.8	2.3	1.9
PLGJ6-4M④	4	2.9	1.8	PLGJ6-4M												

\*1. ④ in Model code / Replaced with "W" for Light-gray color and/or "C" for Clean-room package

**PLHJ Mini** 45° Plug-in Elbow

RoHS compliant



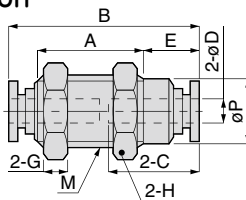
Unit : mm

Model code	Tube O.D. øD1	Tube dia. øD2	B	øP1	øP2	Tube end C	L1	L2	E	F	X	Y	Effective area (mm <sup>2</sup> )	Weight (g)	CAD file name
PLHJ4M④	4	4	21.8	8	8	11	33.8	18.5	12.2	12	9.8	7.8	3	1.3	PLHJ4M
PLHJ6M④	6	6	24.5	8	10.5	11.6	37.4	19.5	12.3	12.8	11.8	9.8	5.9	2.1	PLHJ6M

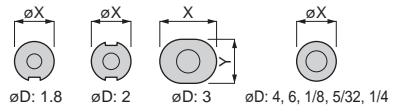
\*1. ④ in Model code / Replaced with "W" for Light-gray color and/or "C" for Clean-room package

**PM Mini** Bulkhead Union

RoHS compliant



Release-ring dimension



❖ Unified thread Bulkhead

unit: inch

Model	Tube O.D. øD	M	B	E	A	øP	C	Hex.	G	Orifice ø (mm)	Wt (g)	CAD file name
PM1/8MU	1/8	7/16-20UNF	0.91	0.23	0.56	0.35	0.43	1/2	0.12	2.0	6.6	PM1_8MU
PM5/32MU	5/32	7/16-20UNF	0.91	0.23	0.56	0.35	0.43	1/2	0.12	3.0	6.5	PM5_32MU
PM1/4MU	1/4	1/2-20UNF	1.02	0.25	0.63	0.43	0.45	9/16	0.20	4.6	9.5	PM1_4MU

❖ Metric thread Bulkhead

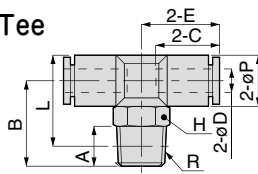
Unit : mm

Model code	Tube O.D. øD	M	B	E	A	øP	Tube end C	Hex. H	G	X (øX)	Y	Effective area (mm <sup>2</sup> )	Weight (g)	CAD file name
PM1/8M④	1/8"	M10×1	23.2	5.8	14.1	8.9	10.9	12	3	7.8	-	2.1	6.1	PM1_8M
PM5/32M④	5/32"	M12×1	23.2	5.8	14.1	8.9	10.9	12	3	7.8	-	3.7	6	PM5_32M
PM1/4M④	1/4"	M10×1	24.6	6.4	14.8	10.8	11.4	14	4	9.8	-	11.2	8.8	PM1_4M
PM180M④	1.8	M10×1	17.6	2.1	13.5	-	8.4	8	2	4.8	-	1	1.5	PM180M
PM2M④	2	M12×1	17.6	2.1	13.5	-	8.4	8	2	4.8	-	1	2	PM2M
PM3M④	3	M6×0.75	19.5	4.8	11.7	7	9.4	10	2	7	6	2.4	3.1	PM3M
PM4M④	4	M6×0.75	23.2	5.8	14.1	8.9	10.9	12	3	7.8	-	3.7	6	PM4M
PM6M④	6	M8×0.75	25	6.6	14.8	10.8	11.7	14	4	9.8	-	10.5	9	PM6M

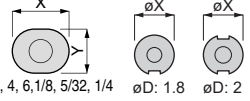
\*1. ④ in Model code / Replaced with "W" for Light-gray color and/or "C" for Clean-room package



# Branch Tee



Release-ring dimension



❖ NPT and UNF thread

Metric or Unified thread type

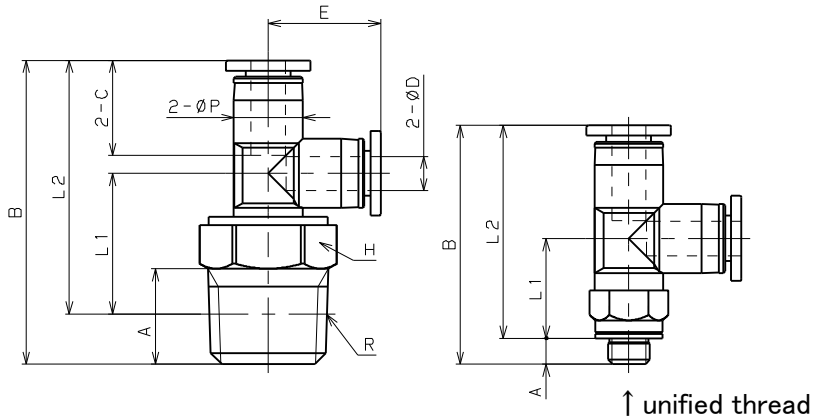
unit: inch

Model	O.D. φD	R	A	B	L	φP	C	E	Ex2	Hex.	Orifice φ (mm)	Wt (g)	CAD file name
PB1/8-U10MU	1/8	10-32UNF	0.12	0.57	0.61	0.31	0.43	0.49	0.98	5/16	2.5	4.4	PB1_8-U10MU
PB1/8-NOMU	1/8	1/16 NPT	0.31	0.77	0.76	0.31	0.43	0.49	0.98	7/16	2.5	8.5	PB1_8-NOMU
PB1/8-N1MU	1/8	1/8 NPT	0.31	0.67	0.67	0.31	0.43	0.49	0.98	7/16	2.5	8	PB1_8-N1MU
PB1/8-N2MU	1/8	1/4 NPT	0.43	0.87	0.80	0.31	0.43	0.49	0.98	9/16	2.5	19	PB1_8-N1MU
PB5/32-U10MU	5/32	10-32UNF	0.12	0.57	0.61	0.31	0.43	0.49	0.98	5/16	2.5	4.3	PB5_32-U10MU
PB5/32-NOMU	5/32	1/16 NPT	0.31	0.77	0.76	0.31	0.43	0.49	0.98	7/16	2.5	8.4	PB5_32-NOMU
PB5/32-N1MU	5/32	1/8 NPT	0.31	0.67	0.67	0.31	0.43	0.49	0.98	7/16	2.5	7.9	PB5_32-N1MU
PB5/32-N2MU	5/32	1/4 NPT	0.43	0.87	0.80	0.31	0.43	0.49	0.98	9/16	3.0	14	PB5_32-N2MU
PB1/4-U10MU	1/4	10-32UNF	0.12	0.61	0.70	0.41	0.45	0.56	1.11	5/16	2.5	5.3	PB1_4-U10MU
PB1/4-NOMU	1/4	1/16 NPT	0.31	0.81	0.85	0.41	0.45	0.56	1.11	7/16	3.5	9.4	PB1_4-NOMU
PB1/4-N1MU	1/4	1/8 NPT	0.31	0.71	0.75	0.41	0.45	0.56	1.11	7/16	4.0	8.9	PB1_4-N1MU
PB1/4-N2MU	1/4	1/4 NPT	0.43	0.92	0.89	0.41	0.45	0.56	1.12	9/16	4.0	15	PB1_4-N2MU
PB1/4-N3MU	1/4	3/8 NPT	0.47	0.96	0.92	0.41	0.45	0.56	1.12	11/16	4.0	24	PB1_4-N3MU

❖ Metric thread

Unit : mm

Model code	Tube O.D. φD	R	A	B	L	φP	Tube end C	E	Hex. H	X (φX)	Y	Effective area (mm <sup>2</sup> )	Weight (g)	CAD file name	
PB1/8-M3M④	1/8"	M3×0.5	2.5 [2.2]	15	16.5 [16.8]	8	11	12.5	8	9.8	7.8	0.9	4.1	PB1_8-M3M[C]	
PB1/8-M5M④		M5×0.8	3 [3.2]	14.5	15.5 [15.3]							2.1	4.4	PB1_8-M5M[C]	
PB1/8-M6M④		M6×1	3.9 [4]	15.5	15.6 [15.5]							2.2	4.7	PB1_8-M6M[C]	
PB1/8-01M④		R1/8	8	17	17							2.3	7.3	PB1_8-01M	
PB5/32-M3M④	5/32"	M3×0.5	2.5 [2.2]	15	16.5 [16.8]	8	11	12.5	8	9.8	7.8	1.4	3.9	PB5_32-M3M[C]	
PB5/32-M5M④		M5×0.8	3 [3.2]	14.5	15.5 [15.3]							2.8	4.3	PB5_32-M5M[C]	
PB5/32-M6M④		M6×1	3.9 [4]	15.5	15.6 [15.5]							2.9	4.6	PB5_32-M6M[C]	
PB5/32-01M④		R1/8	8	17	17							3.3	7.2	PB5_32-01M	
PB5/32-02M④	R1/4	11	22	20	4.4	13	PB5_32-02M								
PB1/4-M5M④	1/4"	M5×0.8	3 [3.2]	15.5	17.8 [17.6]	10.5	11.4	14.1	8	11.8	9.8	3.3	5.3	PB1_4-M5M[C]	
PB1/4-M6M④		M6×1	3.9 [4]	16.5	17.9 [17.8]							3.6	5.6	PB1_4-M6M[C]	
PB1/4-01M④		R1/8	8	18	19.3							8	8.1	PB1_4-01M	
PB1/4-02M④		R1/4	11	23.3	22.5							14	15	PB1_4-02M	
PB1/4-03M④	R3/8	12	24.3	23.2	17	22	PB1_4-03M								
PB180-M3M④	1.8	M3×0.5	2.5 [2.2]	12	12.5 [12.8]	6	8.4	10.25	5.5	4.8	-	0.5	1.9	PB180-M3M[C]	
PB180-M5M④		M5×0.8	3 [3.2]	13.5	13.5 [13.3]							0.6	3.2	PB180-M5M[C]	
PB2-M3M④	2	M3×0.5	2.5 [2.2]	12	12.5 [12.8]	6	8.4	10.25	5.5	4.8	-	0.5	1.9	PB2-M3M[C]	
PB2-M5M④		M5×0.8	3 [3.2]	13.5	13.5 [13.3]							0.6	3.2	PB2-M5M[C]	
PB3-M3M④	3	M3×0.5	2.5 [2.2]	12	12.5 [12.8]	6	9.3	10.8	5.5	8	7	6	0.7	1.9	PB3-M3M[C]
PB3-M5M④		M5×0.8	3 [3.2]	13.5	13.5 [13.3]								1.2	3.3	PB3-M5M[C]
PB3-M6M④		M6×1	3.9 [4]	14.5	13.6 [13.5]								1.9	3.6	PB3-M6M[C]
PB3-01M④		R1/8	8	17	17								8	11	12.5
PB4-M3M④	4	M3×0.5	2.5 [2.2]	15	16.5 [16.8]	8	11	12.5	8	9.8	7.8	1.4	3.9	PB4-M3M[C]	
PB4-M5M④		M5×0.8	3 [3.2]	14.5	15.5 [15.3]							3.7	4.3	PB4-M5M[C]	
PB4-M6M④		M6×1	3.9 [4]	15.5	15.6 [15.5]							2.8	4.6	PB4-M6M[C]	
PB4-01M④		R1/8	8	17	17							4.6	7.2	PB4-01M	
PB4-02M④	R1/4	11	22	20	4.4	13	PB4-02M								
PB6-M5M④	6	M5×0.8	3 [3.2]	15.5	17.8 [17.6]	10.5	11.6	13.9	8	11.8	9.8	3.5	5.6	PB6-M5M[C]	
PB6-M6M④		M6×1	3.9 [4]	16.5	17.9 [17.8]							3.6	5.9	PB6-M6M[C]	
PB6-01M④		R1/8	8	18	19.3							8.5	8.4	PB6-01M	
PB6-02M④		R1/4	11	23.3	22.5							14	15	PB6-02M	
PB6-03M④	R3/8	12	24.3	23.2	17	22	PB6-03M								



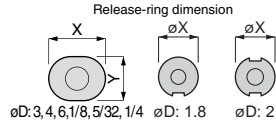
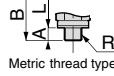
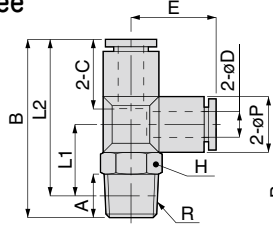
### ❖ NPT and UNF thread

unit: inch

Model	O.D. φD	R	A	B	L1	L2	φP	C	E	Hex.	Orifice φ (mm)	Wt (g)	CAD file name
PD1/8-U10MU	1/8	10-32UNF	0.12	1.09	0.45	0.97	0.31	0.43	0.52	5/16	2.4	4.4	PD1_8-U10MU
PD1/8-N0MU	1/8	1/16 NPT	0.31	1.28	0.61	1.12	0.31	0.43	0.52	7/16	2.5	8.6	PD1_8-N0MU
PD1/8-N1MU	1/8	1/8 NPT	0.31	1.19	0.51	1.02	0.31	0.43	0.52	7/16	2.5	8.1	PD1_8-N1MU
PD1/8-N2MU	1/8	1/4 NPT	0.43	1.38	0.64	1.15	0.31	0.43	0.52	9/16	2.5	19	PD1_8-N1MU
PD5/32-U10MU	5/32	10-32UNF	0.12	1.09	0.45	0.97	0.31	0.43	0.52	5/16	2.4	4.3	PD5_32-U10MU
PD5/32-N0MU	5/32	1/16 NPT	0.31	1.28	0.61	1.12	0.31	0.43	0.52	7/16	2.5	8.5	PD5_32-N0MU
PD5/32-N1MU	5/32	1/8 NPT	0.31	1.19	0.51	1.02	0.31	0.43	0.52	7/16	2.5	8	PD5_32-N1MU
PD5/32-N2MU	5/32	1/4 NPT	0.43	1.38	0.64	1.15	0.31	0.43	0.52	9/16	2.5	14	PD5_32-N2MU
PD1/4-U10MU	1/4	10-32UNF	0.12	1.21	0.49	1.09	0.41	0.45	0.60	5/16	2.4	5.4	PD1_4-U10MU
PD1/4-N0MU	1/4	1/16 NPT	0.31	1.41	0.65	1.24	0.41	0.45	0.60	7/16	3.5	9.5	PD1_4-N0MU
PD1/4-N1MU	1/4	1/8 NPT	0.31	1.31	0.55	1.14	0.41	0.45	0.60	7/16	4.0	9	PD1_4-N1MU
PD1/4-N2MU	1/4	1/4 NPT	0.43	1.50	0.68	1.28	0.41	0.45	0.60	9/16	4.0	15	PD1_4-N2MU
PD1/4-N3MU	1/4	3/8 NPT	0.47	1.54	0.70	1.30	0.41	0.45	0.60	11/16	4.0	24	PD1_4-N3MU

## PD Mini Run Tee

RoHS compliant



### ❖ Metric thread

Unit : mm

Model code	Tube O.D. øD	R	A	B	L1	L2	øP	Tube end C	E	Hex. H	X (øX)	Y	Effective area (mm <sup>2</sup> )	Weight (g)	CAD file name		
PD1/8-M3M <sup>④</sup>	1/8"	M3×0.5	2.5 [2.2]	28.1	12.5 [12.8]	25.6 [25.9]	8	11	13.1	8	9.8	7.8	0.9	4.1	PD1_8-M3M[C]		
PD1/8-M5M <sup>④</sup>		M5×0.8	3 [3.2]	27.6	11.5 [11.3]	24.6 [24.4]									2.4	4.5	PD1_8-M5M[C]
PD1/8-M6M <sup>④</sup>		M6×1	3.9 [4]	28.6	11.6 [11.5]	24.7 [24.6]									2	4.8	PD1_8-M6M[C]
PD1/8-O1M <sup>④</sup>		R1/8	8	30.1	13	26.1									2.5	7.4	PD1_8-O1M
PD5/32-M3M <sup>④</sup>	5/32"	M3×0.5	2.5 [2.2]	28.1	12.5 [12.8]	25.6 [25.9]	8	11	13.1	8	9.8	7.8	0.9	4	PD5_32-M3M[C]		
PD5/32-M5M <sup>④</sup>		M5×0.8	3 [3.2]	27.6	11.5 [11.3]	24.6 [24.4]									4.4	4.5	PD5_32-M5M[C]
PD5/32-M6M <sup>④</sup>		M6×1	3.9 [4]	28.6	11.6 [11.5]	24.7 [24.6]									3.1	4.7	PD5_32-M6M[C]
PD5/32-O1M <sup>④</sup>		R1/8	8	30.1	13	26.1									7.3	4.8	PD5_32-O1M
PD5/32-O2M <sup>④</sup>	R1/4	11	35.1	16	29	3.3	14	PD5_32-O2M									
PD1/4-M5M <sup>④</sup>	1/4"	M5×0.8	3 [3.2]	30.7	12.5 [12.3]	27.7 [27.5]	10.5	11.4	15.2	8	11.8	9.8	3.6	5.4	PD1_4-M5M[C]		
PD1/4-M6M <sup>④</sup>		M6×1	3.9 [4]	31.7	12.6 [12.5]	27.8 [27.7]									3.7	5.6	PD1_4-M6M[C]
PD1/4-O1M <sup>④</sup>		R1/8	8	33.2	14	29.2									8.5	8.2	PD1_4-O1M
PD1/4-O2M <sup>④</sup>		R1/4	11	38.2	17	32.1									8.8	15	PD1_4-O2M
PD1/4-O3M <sup>④</sup>	R3/8	12	39.2	17.7	32.8	8.9	23	PD1_4-O3M									
PD180-M3M <sup>④</sup>	1.8	M3×0.5	2.5 [2.2]	22.3	9.5 [9.8]	19.8 [20.1]	6	8.4	10.3	5.5	4.8	-	0.5	1.9	PD180-M3M[C]		
PD180-M5M <sup>④</sup>		M5×0.8	3 [3.2]	23.8	10.5 [10.3]	20.8 [20.6]				8			0.8	3.2	PD180-M5M[C]		
PD2-M3M <sup>④</sup>	2	M3×0.5	2.5 [2.2]	22.3	9.5 [9.8]	19.8 [20.1]	6	8.4	10.3	5.5	4.8	-	0.5	1.9	PD2-M3M[C]		
PD2-M5M <sup>④</sup>		M5×0.8	3 [3.2]	23.8	10.5 [10.3]	20.8 [20.6]				8			0.8	3.2	PD2-M5M[C]		
PD3-M3M <sup>④</sup>	3	M3×0.5	2.5 [2.2]	22.8	9.5 [9.8]	20.3 [20.6]	6	9.3	10.8	5.5	7	6	0.7	1.9	PD3-M3M[C]		
PD3-M5M <sup>④</sup>		M5×0.8	3 [3.2]	24.3	10.5 [10.3]	21.3 [21.1]				8			2.2	3.2	PD3-M5M[C]		
PD3-M6M <sup>④</sup>		M6×1	3.9 [4]	25.3	10.6 [10.5]	21.4 [21.3]				2			3.6	PD3-M6M[C]			
PD3-O1M <sup>④</sup>		R1/8	8	30.1	13	26.1				8			11	13.1	10	9.8	7.8
PD4-M3M <sup>④</sup>	4	M3×0.5	2.5 [2.2]	28.1	12.5 [12.8]	25.6 [25.9]	8	11	13.1	8	9.8	7.8	0.9	4	PD4-M3M[C]		
PD4-M5M <sup>④</sup>		M5×0.8	3 [3.2]	27.6	11.5 [11.3]	24.6 [24.4]									2.1	4.4	PD4-M5M[C]
PD4-M6M <sup>④</sup>		M6×1	3.9 [4]	28.6	11.6 [11.5]	24.7 [24.6]									2.2	4.7	PD4-M6M[C]
PD4-O1M <sup>④</sup>		R1/8	8	30.1	13	26.1									4.6	7.3	PD4-O1M
PD4-O2M <sup>④</sup>	R1/4	11	35.1	16	29	3.3	14	PD4-O2M									
PD6-M5M <sup>④</sup>	6	M5×0.8	3 [3.2]	30.5	12.5 [12.3]	27.5 [27.3]	10.5	11.6	15	8	11.8	9.8	2.2	5.6	PD6-M5M[C]		
PD6-M6M <sup>④</sup>		M6×1	3.9 [4]	31.5	12.6 [12.5]	27.6 [27.5]									3.3	5.9	PD6-M6M[C]
PD6-O1M <sup>④</sup>		R1/8	8	33	14	29									8.5	8.4	PD6-O1M
PD6-O2M <sup>④</sup>		R1/4	11	38	17	31.9									6.6	15	PD6-O2M
PD6-O3M <sup>④</sup>	R3/8	12	39	17.7	32.6	8.9	23	PD6-O3M									

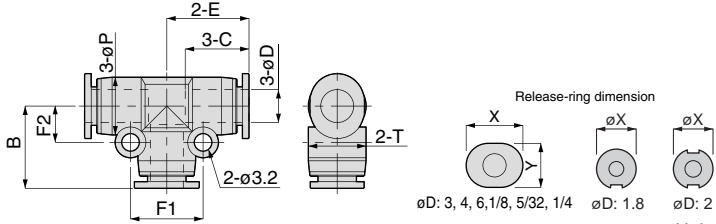
※ 1. ④ in Model code / Replaced with "W" for Light-gray color a nd/or "C" for Clean-room package

※ 2. "L" is a reference value for height dimension after tightening taper thread.

※ 3. Dimensions in [ ] are for clean-room package products

**PE Mini Union Tee**

RoHS compliant



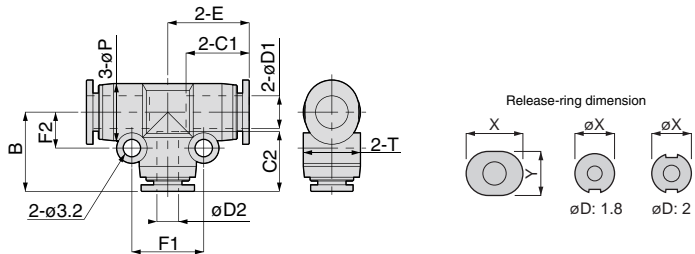
Unit : mm

Model code	Tube O.D. øD	B	øP	Tube end C	E	F1	F2	T	X (øX)	Y	Effective area (mm <sup>2</sup> )	Weight (g)	CAD file name
PE1/8M④	1/8"	13.1	8	11	13.05	11.2	5.6	8	9.8	7.8	2.1	3.4	PE1_8M
PE5/32M④	5/32"	13.1	8	11	13.05	11.2	5.6	8	9.8	7.8	4.6	3.3	PE5_32M
PE1/4M④	1/4"	15.2	10.5	11.4	15.15	13.2	6.6	11	11.8	9.8	11.4	5	PE1_4M
PE180M④	1.8	10.3	6	8.4	10.25	9	4.5	6	4.8	-	0.6	1.7	PE180M
PE2M④	2	10.3	6	8.4	10.25	9	4.5	6	4.8	-	0.6	1.6	PE2M
PE3M④	3	10.8	6	9.3	10.8	9	4.5	6	7	6	1.9	1.7	PE3M
PE4M④	4	13.1	8	11	13.05	11.2	5.6	8	9.8	7.8	4.6	3.3	PE4M
PE6M④	6	15	10.5	11.6	14.95	13.2	6.6	11	11.8	9.8	8.9	5.3	PE6M

※ 1. ④ in Model code / Replaced with "W" for Light-gray color and/or "C" for Clean-room package

**PEG Mini Unequal Union Tee**

RoHS compliant



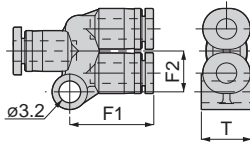
Unit : mm

Model code	Tube O.D. øD1	Tube O.D. øD2	B	øP	Tube end C1	Tube end C2	E	F1	F2	T	D1 release-ring		D2 release-ring		Effective area (mm <sup>2</sup> )	Weight (g)	CAD file name
											X	Y	X(øX)	Y			
PEG1/8-5/32M④	1/8"	5/32"	13.1	8	11	11	13.05	11.2	5.6	8	9.8	7.8	9.8	7.8	1.7	3.4	PEG1_8-5_32M
PEG5/32-1/8M④	5/32"	1/8"	13.1	8	11	11	13.05	11.2	5.6	8	9.8	7.8	9.8	7.8	2.3	3.3	PEG5_32-1_8M
PEG5/32-1/4M④		1/4"	15.2	10.5									11.4	14.55	13.2	6.6	11
PEG1/4-5/32M④	1/4"	5/32"	14.6	10.5	11.4	11	15.15	13.2	6.6	11	11.8	9.8	9.8	7.8	3.6	5.9	PEG1_4-5_32M
PEG3-180M④	3	1.8	10.3	6	9.3	8.4	10.8	9	4.5	6	7	6	4.8	-	0.8	1.7	PEG3-180M
PEG3-2M④		2	10.3	6	9.3	8.4	10.8	9	4.5	6	7	6	4.8	-	0.8	1.7	PEG3-2M
PEG3-4M④		4	13.1	8	11	11	13.05	11.2	5.6	8	9.8	7.8	9.8	7.8	1.7	3.4	PEG3-4M
PEG4-1/8M④		1/8"	13.1	8	11	11	13.05	11.2	5.6	8	9.8	7.8	9.8	7.8	1.7	3.4	PEG4-1_8M
PEG4-6M④	4	6	15	10.5	11	11.6	14.55	13.2	6.6	11	9.8	7.8	11.8	9.8	3.7	4.9	PEG4-6M
PEG4-3M④		3	13.1	8	11	11	13.05	11.2	5.6	8	9.8	7.8	9.8	7.8	2.4	3.3	PEG4-3M
PEG6-4M④		4	14.6	10.5	11.6	11	14.95	13.2	6.6	11	11.8	9.8	9.8	7.8	5.3	5.1	PEG6-4M

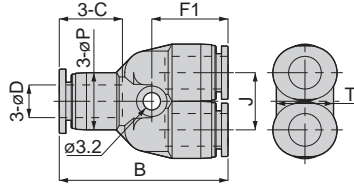
※ 1. ④ in Model code / Replaced with "W" for Light-gray color and/or "C" for Clean-room package

## PY Union Y

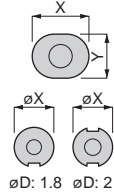
RoHS compliant



PY180M□, PY2M□, PY3M□ types



Release-ring dimension



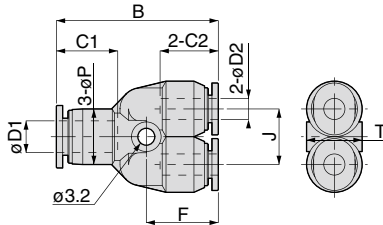
Unit : mm

Model code	Tube O.D. φD	B	φP	Tube end C	J	F1	F2	T	X (φX)	Y	Effective area (mm <sup>2</sup> )	Weight (g)	CAD file name
PY1/8M④	1/8"	27.6	8	11	8	12.6	-	10.2	9.8	7.8	1.1	3.7	PY1_8M
PY5/32M④	5/32"	27.6	8	11	8	12.6	-	10.2	9.8	7.8	2.3	3.5	PY5_32M
PY1/4M④	1/4"	31.4	10.5	11.4	10.5	14.2	-	10.5	11.8	9.8	9.6	5.3	PY1_4M
PY180M④	1.8	19.5	6	8.4	6.5	11.8	6	7.4	4.8	-	0.4	1.7	PY180M
PY2M④	2	19.5	6	8.4	6.5	11.8	6	7.4	4.8	-	0.6	1.7	PY2M
PY3M④	3	20.6	6	9.3	6.5	12.3	6	7.4	7	6	1.6	1.8	PY3M
PY4M④	4	27.6	8	11	8	12.6	-	10.2	9.8	7.8	2.3	3.5	PY4M
PY6M④	6	31	10.5	11.6	10.5	14	-	10.5	11.8	9.8	6.8	5.5	PY6M

※ 1, ④ in Model code / Replaced with "W" for Light-gray color and/or "C" for Clean-room package

## PW Unequal Union Y

RoHS compliant



Release-ring dimension



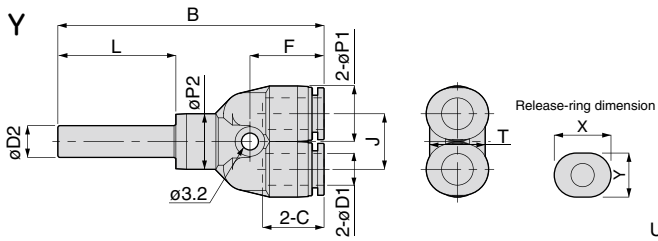
Unit : mm

Model code	Tube O.D. φD1	Tube O.D. φD2	B	φP	Tube end C1	Tube end C2	J	F	T	D1 release-ring		D2 release-ring		Effective area (mm <sup>2</sup> )	Weight (g)	CAD file name
					X	Y				X	Y					
PW5/32-1/8M④	5/32"	1/8"	27.6	8	11	11	8	12.6	10.2	9.8	7.8	9.8	7.8	1.8	3.6	PW5_32-1_8M
PW1/4-1/8M④	1/4"	1/8"	30.8	10.5	11.4	11	10.5	13.6	10.5	11.8	9.8	9.8	7.8	2.5	5.2	PW1_4-1_8M
PW1/4-5/32M④		5/32"												3.6	6.9	PW1_4-5_32M
PW1/8-3M④	1/8"	3	27.6	8	11	11	8	12.6	10.2	9.8	7.8	9.8	7.8	1.7	3.7	PW1_8-3M
PW4-1/8M④	4	1/8"	27.6	8	11	11	8	12.6	10.2	9.8	7.8	9.8	7.8	1.8	3.6	PW4-1_8M
PW4-3M④		3										φ7.8	-	2.1		PW4-3M
PW6-1/8M④	6	1/8"	30.6	10.5	11.6	11	10.5	13.6	10.5	11.8	9.8	9.8	7.8	2.4	5.4	PW6-1_8M
PW6-3M④		3												2.5	5.3	PW6-3M
PW6-4M④		4												4.2	5.3	PW6-4M

※ 1, ④ in Model code / Replaced with "W" for Light-gray color and/or "C" for Clean-room package

## PYJ Plug-in Y

RoHS compliant



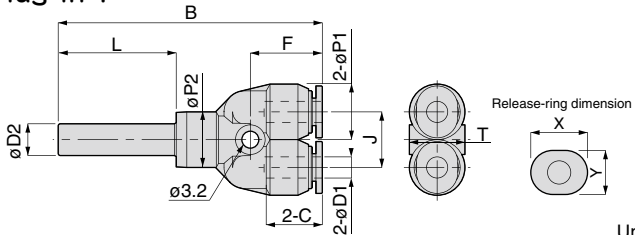
Unit : mm

Model code	Tube O.D. φD1	Tube dia. φD2	B	φP1	φP2	Tube end C	L	F	J	T	X	Y	Effective area (mm <sup>2</sup> )	Weight (g)	CAD file name
PYJ1/8M④	1/8"	1/8"	42.6	8	8	11	16.6	12.6	8	8	9.8	7.8	1.1	3.2	PYJ1_8M
PYJ5/32M④	5/32"	5/32"	45	8	8	11	19	12.6	8	8	9.8	7.8	2.2	3.2	PYJ5_32M
PYJ3M④	3	3	42.8	8	8	9.3	17.4	12.8	8	8	7	6	0.8	2.6	PYJ3M
PYJ4M④	4	4	45	8	8	11	19	12.6	8	8	9.8	7.8	2.2	3.2	PYJ4M
PYJ6M④	6	6	50.3	10.5	10.5	11.6	22	14	10.5	10.5	11.8	9.8	5.6	5.4	PYJ6M

※ 1. ④ in Model code / Replaced with "W" for Light-gray color and/or "C" for Clean-room package

## PWJ Unequal Plug-in Y

RoHS compliant



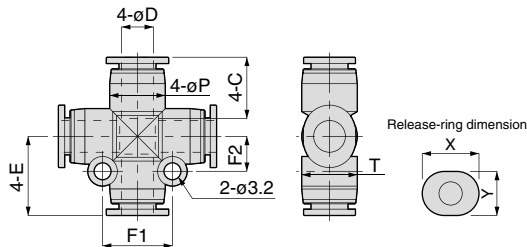
Unit : mm

Model code	Tube O.D. φD1	Tube dia. φD2	B	φP1	φP2	Tube end C	L	F	J	T	X	Y	Effective area (mm <sup>2</sup> )	Weight (g)	CAD file name
PWJ5/32-1/8M④	1/8"	5/32"	44.6	8	8	11	19	12.6	8	8	9.8	7.8	1.7	3.3	PWJ5_32-1_8M
PWJ4-3M④	3	4	44.8	8	8	9.3	19	12.8	8	8	7	6	2.6	2.8	PWJ4-3M
PWJ4-1/8M④	1/8"					11		12.6			9.8	7.8	1.7	3.3	PWJ4-1_8M
PWJ6-1/8M④	1/8"	6	49.9	10.5	10.5	11	22	13.6	10.5	10.5	9.8	7.8	5.3	5.2	PWJ6-1_8M
PWJ6-3M④	3												4.5	5.2	PWJ6-3M
PWJ6-4M④	4												5.3	5.1	PWJ6-4M

※ 1. ④ in Model code / Replaced with "W" for Light-gray color and/or "C" for Clean-room package

## PZA Cross A

RoHS compliant



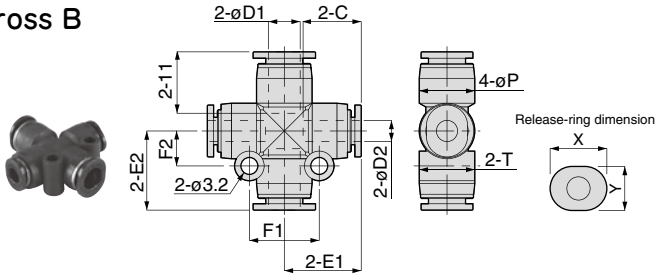
Unit : mm

Model code	Tube O.D. φD	E	φP	Tube end C	F1	F2	T	X	Y	Effective area (mm <sup>2</sup> )	Weight (g)	CAD file name
PZA1/8M④	1/8"	13.05	8	11	11.2	5.6	8	9.8	7.8	4.8	4.5	PZA1_8M
PZA5/32M④	5/32"	13.05	8	11	11.2	5.6	8	9.8	7.8	4.8	4.3	PZA5_32M
PZA3M④	3	13.05	8	11	11.2	5.6	8	9.8	7.8	2.2	4.6	PZA3M
PZA4M④	4	13.05	8	11	11.2	5.6	8	9.8	7.8	4.8	4.3	PZA4M
PZA6M④	6	14.95	10.5	11.6	13.2	6.6	10.5	11.8	9.8	8.8	6.7	PZA6M

※ 1. ④ in Model code / Replaced with "W" for Light-gray color and/or "C" for Clean-room package



**PZB Mini Cross B**  
RoHS compliant

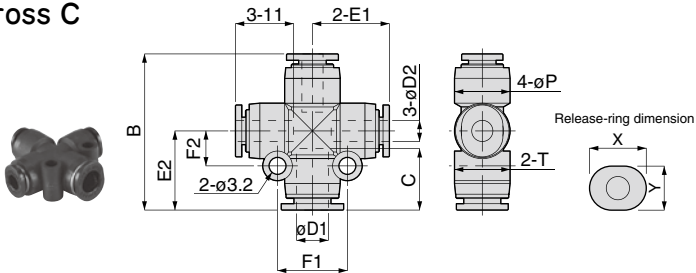


Unit : mm

Model code	Tube O.D. øD1	Tube O.D. øD2	E1	E2	øP	Tube end C	F1	F2	T	D1 release-ring		D2 release-ring		Effective area (mm <sup>2</sup> )	Weight (g)	CAD file name
										X	Y	X	Y			
PZB5/32-1/8M④	5/32"	1/8"	13.05	13.05	8	11	11.2	5.6	8	9.8	7.8	9.8	7.8	2.2	4.4	PZB5_32-1_8M
PZB1/8-3M④	1/8"	3	13.05	13.05	8	11	11.2	5.6	8	9.8	7.8	9.8	7.8	2.2	4.5	PZB1_8-3M
PZB4-1/8M④	4	1/8"	13.05	13.05	8	11	11.2	5.6	8	9.8	7.8	9.8	7.8	4.8	4.4	PZB4-1_8M
PZB4-3M④		3														PZB4-3M
PZB6-1/8M④	6	1/8"	14.55	14.95	10.5	11.6	13.2	6.6	10.5	11.8	9.8	9.8	7.8	5.3	6.5	PZB6-1_8M
PZB6-4M④		4														PZB6-4M

※1. ④ in Model code / Replaced with "W" for Light-gray color and/or "C" for Clean-room package

**PZC Mini Cross C**  
RoHS compliant



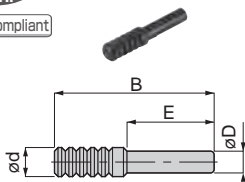
Unit : mm

Model code	Tube O.D. øD1	Tube O.D. øD2	B	E1	E2	øP	Tube end C	F1	F2	T	D1 release-ring		D2 release-ring		Effective area (mm <sup>2</sup> )	Weight (g)	CAD file name
											X	Y	X	Y			
PZC5/32-1/8M④	5/32"	1/8"	26.1	13.05	13.05	8	11	11.2	5.6	8	9.8	7.8	9.8	7.8	2.2	4.4	PZC5_32-1_8M
PZC1/8-3M④	1/8"	3	26.1	13.05	13.05	8	11	11.2	5.6	8	9.8	7.8	9.8	7.8	1.9	4.5	PZC1_8-3M
PZC4-1/8M④	4	1/8"	26.1	13.05	13.05	8	11	11.2	5.6	8	9.8	7.8	9.8	7.8	2.2	4.4	PZC4-1_8M
PZC4-3M④		3															PZC4-3M
PZC6-1/8M④	6	1/8"	29.5	14.55	14.95	10.5	11.6	13.2	6.6	10.5	11.8	9.8	9.8	7.8	2.4	6.5	PZC6-1_8M
PZC6-4M④		4															PZC6-4M

※1. ④ in Model code / Replaced with "W" for Light-gray color and/or "C" for Clean-room package

## PP Mini Plug

RoHS compliant



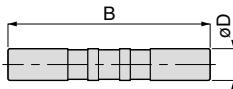
Model code	øD	ød	B	E	Weight (g)	CAD file name
PP1/8M④	1/8"	4	22	11.8	0.2	PP1_8M
PP180M④	1.8	3	20	9.8	0.1	PP180M
PP2M④	2	3	20	9.8	0.1	PP2M
PP3M④	3	4	22	11.8	0.2	PP3M

※. The color of PP1/8M is white.

Unit : mm

## PIJ Mini Union Stem

RoHS compliant



Unit : mm

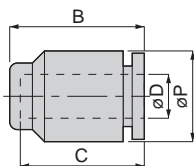
Model code	Tube dia. øD	B	Effective area (mm <sup>2</sup> )	Weight (g)	CAD file name
PIJ1/8M④	1/8"	27.1	2.5	0.2	PIJ1_8M
PIJ3M④	3	27.1	2.5	0.2	PIJ3M

※1. ④ in Model code / Replaced with "W" for Light-gray color and/or "C" for Clean-room package

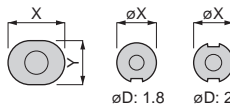
※2. The color of PIJ1/8 is solid white

## PPF Mini Cap

RoHS compliant



Release-ring dimension



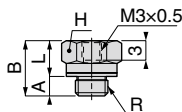
Unit : mm

Model code	Tube O.D. øD	B	øP	Tube end C	X (øX)	Y	Weight (g)	CAD file name
PPF180M④	1.8	9.8	6	8.4	4.8	-	0.5	PPF180M
PPF2M④	2	9.8	6	8.4	4.8	-	0.5	PPF2M
PPF3M④	3	10.3	6	9.3	7	6	0.6	PPF3M

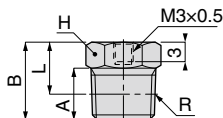
※1. 1/8" O.D. cap is listed as PPF1/8 in Standard fitting category.

## PF Mini Extension Screw Adaptor

RoHS compliant



Metric thread type



Taper pipe thread type

Unit : mm

### ❖ Metric thread

Model code	R	A	B	L	Hex. H	Effective area (mm <sup>2</sup> )	Weight (g)	CAD file name
PFM5-M3M④	M5 × 0.8	3 [3.2]	8.5	5.5 [5.3]	8	4.5	2.4	PFM5-M3M
PF01-M3M④	R1/8	8	12	8	10	4.5	6.8	PF01-M3M

※1. ④ in Model code / Replaced with "C" for Clean-room package

※2. "L" is a reference value for height dimension after tightening taper thread.

※3. Dimensions in [ ] are for clean-room package products

※4. Visit PISCO website for CAD data of clean-room package products.

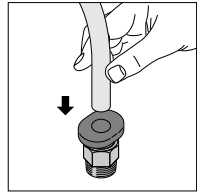
## ■ How to insert and disconnect

### 1. How to insert and disconnect tubes

#### ① Tube insertion

Insert a tube into Push-In Fitting up to the tube end. Lock-claws bite the tube and fix it automatically, then the elastic sleeve seals around the tube.

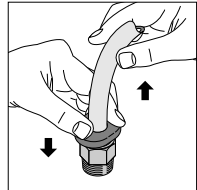
Refer to "2. Instructions for Tube Insertion" under "Common Safety Instructions for Fittings".



#### ② Tube disconnection

The tube is disconnected by pushing release-ring to release Lock-claws.

Make sure to stop air supply before the tube disconnection.



### 2. How to tighten thread

#### ① Tightening thread

There are two ways to tighten a thread. Use a spanner or an impact wrench for a hexagonal-column. A hex key is for an inner hexagonal socket. Inner hexagonal type can save spaces.

Refer to "Table 2: Recommended tightening torque / Sealock color / Gasket materials" under "4. Instructions for Installing a fitting" in "Common Safety Instructions for Fittings".

Note) The recommended torque force of the model code "POC180-M3M" is  $0.3\text{N} \cdot \text{m}$

