Push-In Fitting Type for Pneumatic Piping

Tube Fitting Standard Series

- *Push-in fitting for General Pneumatic Piping.*
- *Redesigned 17 models, realized weight saving.*

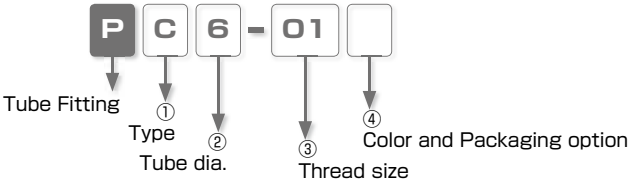
(PC, PCF, POC, PM, PMF, PL, PLL, PLH, PLF, PVX, PAX, PB, PD, PX, PRX, PKD, PKVD)

- *Wide Variety of Products.*
- *Rotatable Resin Body after Installation.*
- *Centralized Piping.*

  Triple type (PKD, PKG, PKJ) and twin triple type (PKVD, PKVG) are compact designed to achieve centralized piping.

- *Optional Selection of Clean-Room Package and Clean-wash Package.*

Model Designation (Example)



① Type

Code	Type	Code	Type	Code	Type	Code	Type
C	Straight	OC	Inner Hex. Straight	L	Elbow	LL	Long Elbow
LH	45˚ Elbow	H	Single Banjo	OL	Hex. Holed Banjo	B	Branch Tee
D	Run Tee	X	Branch Y	VX	Tripod Elbow	AX	Branch Elbow
A	Twin Banjo	RX	Double Branch Y	HW	Double Banjo	HT	Triple Banjo
AW	Double Twin Banjo	AT	Triple Twin Banjo	CF	Female Straight	MF	Bulkhead Female Straight
LF	Female Elbow	KD	Triple Run Tee	KVD	Twin Triple Run Tee	AF	Link-up Twin Banjo
HF	Link-up Banjo	U	Union Straight	E	Union Tee	V	Union Elbow
Y	Union Y	M	Bulkhead Union	MP	Bulkhead Union P	ML	Bulkhead Union Elbow
VU	Tripod Union	AU	Branch Union Elbow	ZA	Union Cross	G	Unequal Union Straight
EG	Unequal Union Tee	RG	Unequal Double Y	W	Unequal Union Y	KG	Unequal Triple Tee
KVG	Unequal Twin Triple Tee	ZB	Unequal Cross	ZC	Reducing Cross	GJ	Unequal Plug-in Straight
LJ	Plug-in Elbow	LGJ	Unequal Plug-in Elbow	LLGJ	Unequal Plug-in Long Elbow	LHJ	45˚ Plug-in Elbow
LLJ	Long Plug-in Elbow	YJ	Plug-in Y	WJ	Unequal Plug-in Y	KJ	Plug-in Triple Tee
RJ	Plug-in Double Y	F	Extension Screw Adaptor	FF	Unequal Screw Union	IJ	Union Stem
IG	Unequal Union Stem	TJ	PT Jack	PF	Cap	P	Plug

※ parts are redesigned models.

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

Tube dia.	mm size						inch size						
Code	4	6	8	10	12	16	5/32	3/16	1/4	5/16	3/8	1/2	5/8
Size (mm)	ø4	ø6	ø8	ø10	ø12	ø16	ø3.97	ø4.76	ø6.35	ø7.94	ø9.53	ø12.7	ø15.88

③ Thread size (※ In case that ③ indicates tube dia., select tube dia. from table②)

Thread size	Metric thread (mm)		Taper pipe thread			
Code	M5	M6	01	02	03	04
Size	M5 × 0.8	M6 × 1	R1/8	R1/4	R3/8	R1/2

Thread size	UNF thread (mm)	NPT thread				
Code	U10U	N1U	N2U	N3U	N4U	N0U
Size	10-32UNF	NPT1/8	NPT1/4	NPT3/8	NPT1/2	NPT1/16

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

④ Color and Packaging option

Code	Color and Package classification	Color Combination		Remark
		Release ring(※)	Fitting body	
No code	Std.	Black	Black	
-C	Clean-room package	Light-blue	Light-gray	Optional selection
W	Light-gray	Light-gray	Light-gray	Optional selection
W-C	Light-gray + Clean-room pkg.	Light-gray	Light-gray	Optional selection
-UC	Clean-wash and Clean-room pkg.	Light-blue	Light-gray	Optional selection

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

Specifications

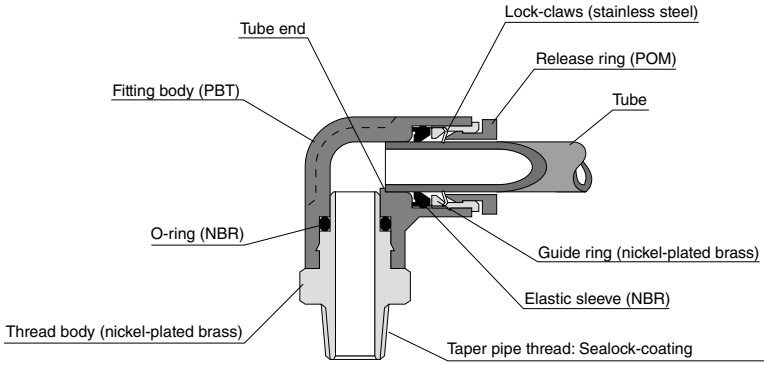
Fluid medium	Air / Water (※)
Max. operating pressure	1.0MPa
Max. vacuum	-100kPa
Operating temp. range	0～60℃ (No freezing)

⚠ Warning

※ . Make sure to follow the instructions below when the fluid medium is water.

1. Surge pressure must be controlled lower than max. operating pressure.
2. Tap water can be used. Consult with PISCO for using other kind of water.
3. Be sure to place Insert Ring into the tube edge when using water as a fluid medium.

Construction (Elbow: PL)



※ Clean-room package or Clean-wash package: POM gasket

⚠ Detailed Safety Instructions

Before using PISCO products, be sure to read “Safety Instructions” and “Common Safety Instructions for Products Listed in This Catalog” on page 23 to 28 and “Common Safety Instructions for Fittings” on page 33 to 34.

Warning

1. When the fluid medium is water, do not use Tube Fitting Standard Series unless the operating environment meets all the described specifications in the catalog. Otherwise, it may cause damage to the products, the escape of tubes and a fluid leakage.

Caution

1. To adjust the direction of the elbow fitting after fixing PML (Bulkhead Union Elbow) type, turn it in the clock-wise (right) direction.
2. Attach a rubber washer to the aluminum nut side when installing PML (Bulkhead Union Elbow) type. The bulkhead parts may be loosened or the rubber washer may deform if attaching it to the hexagonal side.

Caution (Clean-room package, clean-wash 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.

Caution (Clean-wash package)

1. Tube insertion into the push-in fitting with clean-wash spec. is tigher than that of standard spec. due to its oil-free specification. Make sure to insert tube up to tube end.

Standard Size List

Connection: Thread ⇔ Tube (P44~P68)

Type	Page	Thread size	Tube O.D. 4	6	8	10	12	16	5/32	3/16	1/4	5/16	3/8	1/2	5/8
PC Straight	P.44	M5×0.8	◎	◎					◎	◎	◎				
		M6×1	◎	◎											
		R1/8	◎	◎	◎	◎			◎	◎	◎	◎	◎		
		R1/4	◎	◎	◎	◎	◎		◎	◎	◎	◎	◎	◎	
		R3/8		◎	◎	◎	◎	◎			◎	◎	◎	◎	◎
		R1/2				◎	◎	◎					◎	◎	◎
POC Inner Hex. Straight	P.45	M5×0.8	◎	◎											
		M6×1	◎	◎											
		R1/8	◎	◎	◎	◎					◎	◎			
		R1/4		◎	◎	◎	◎				◎	◎	◎		
		R3/8			◎	◎	◎	◎				◎	◎		
		R1/2				◎	◎	◎					◎		
PCF Female Straight	P.46	M5×0.8	◎	◎											
		Rc1/8	◎	◎	◎				◎	◎	◎	◎			
		Rc1/4	◎	◎	◎	◎	◎		◎	◎	◎	◎	◎	◎	
		Rc3/8		◎	◎	◎	◎	◎			◎	◎	◎	◎	◎
		Rc1/2				◎	◎	◎					◎		◎
PMF Bulkhead Female Straight	P.47	Rc1/8	◎	◎	◎										
		Rc1/4	◎	◎	◎	◎	◎								
		Rc3/8		◎	◎	◎	◎	◎							
		Rc1/2					◎	◎							
PL Elbow	P.48	M5×0.8	◎	◎					◎	◎	◎				
		M6×1	◎	◎											
		R1/8	◎	◎	◎	◎			◎	◎	◎	◎	◎		
		R1/4	◎	◎	◎	◎	◎		◎	◎	◎	◎	◎	◎	
		R3/8		◎	◎	◎	◎	●			◎	◎	◎	◎	●
		R1/2				◎	◎	●					◎	◎	●
PLL Long Elbow	P.50	M5×0.8	◎	◎											
		R1/8	◎	◎	◎	◎			◎	◎	◎	◎	◎		
		R1/4	◎	◎	◎	◎	◎		◎	◎	◎	◎	◎	◎	
		R3/8		◎	◎	◎	◎	●			◎	◎	◎	◎	
		R1/2				◎	◎	●					◎	◎	
PLH 45°Elbow	P.51	R1/8			◎	◎									
		R1/4			◎	◎	◎								
		R3/8			◎	◎	◎	●							
		R1/2				◎	◎	●							
POL Hex. Holed Banjo	P.51	M5×0.8	●												
		R1/8		●	●										
		R1/4		●	●	●									
		R3/8			●	●	●								
		R1/2					●								
PLF Female Elbow	P.52	M5×0.8	◎	◎					◎	◎	◎				
		M6×1	◎	◎											
		Rc1/8	◎	◎	◎				◎	◎	◎	◎			
		Rc1/4	◎	◎	◎	◎	◎		◎	◎	◎	◎	◎	◎	
		Rc3/8		◎	◎	◎	◎				◎	◎	◎	◎	◎
		Rc1/2				◎	◎						◎	◎	◎
PAX Branch Elbow	P.53	M5×0.8	◎	◎											
PVX Tripod Elbow	P.54	M6×1	◎	◎											
		R1/8	◎	◎	◎	◎									
		R1/4	◎	◎	◎	◎	◎								
		R3/8		◎	◎	◎	◎								
		R1/2				◎	◎								

Type	Page	Thread size	Tube O.D. 4	6	8	10	12	16	5/32	3/16	1/4	5/16	3/8	1/2	5/8
PH Single Banjo	P.55	M5×0.8	●	●					●	●	●				
		M6×1	●	●											
		R1/8	●	●	●				●	●	●	●			
		R1/4		●	●	●				●	●	●	●		
		R3/8			●	●	●	●				●	●	●	
		R1/2					●	●							●
PHW Double Banjo	P.57	R1/8	●	●	●							●			
PHT Triple Banjo	P.58	R1/4	●	●	●	●	●					●	●	●	
		R3/8	●	●	●	●	●					●	●	●	
		R1/2			●	●	●						●	●	
PA Twin Banjo	P.59	M5×0.8	●												
		R1/8		●											
		R1/4			●										
		R3/8				●									
		R1/2					●								
PAW Double Twin Banjo	P.60	R1/8	●	●	●							●			
PAT Triple Twin Banjo	P.61	R1/4	●	●	●	●	●					●	●	●	
		R3/8	●	●	●	●	●					●	●	●	
		R1/2			●	●	●						●	●	
PB Branch Tee	P.62	M5×0.8	◎	◎											
PD Run Tee	P.64	M6×1	◎	◎											
		R1/8	◎	◎	◎	◎			◎	◎	◎	◎	◎		
		R1/4	◎	◎	◎	◎	◎		◎	◎	◎	◎	◎	◎	
		R3/8		◎	◎	◎	◎	●			◎	◎	◎	◎	◎
		R1/2				◎	◎	●					◎	◎	
PX Branch Y	P.66	M5×0.8	◎	◎											
		M6×1	◎	◎											
		R1/8	◎	◎	◎	◎			◎	◎	◎	◎	◎		
		R1/4	◎	◎	◎	◎	◎		◎	◎	◎	◎	◎	◎	
		R3/8		◎	◎	◎	◎	●			◎	◎	◎	◎	
		R1/2				◎	◎	●					◎	◎	
PRX Double Branch Y	P.67	R1/8	◎	◎											
		R1/4	◎												

Type	Page	Thread size	Tube O.D. 4	6	8	10	12	5/32	3/16	1/4	5/16	3/8	1/2	Thread size2
PHF Link-up Banjo	P.56	M5×0.8	●	●				●	●	●				M5×0.8
		R1/8	●	●	●			●	●	●	●			Rc1/8
		R1/4		●	●	●		●	●	●	●	●		Rc1/4
		R3/8			●	●	●				●	●	●	Rc3/8
		R1/2					●						●	Rc1/2
PAF Link-up Twin Banjo	P.59	M5×0.8	●											M5×0.8
		R1/8		●										Rc1/8
		R1/4			●									Rc1/4
		R3/8				●	●							Rc3/8
		R1/2					●							Rc1/2

Type	Page	Thread size	Tube O.D.1 4	6	8	Tube O.D.2
PKD Triple Run Tee	P.67	R1/8	◎			6
		R1/4	◎	◎		8
		R3/8			◎	10
PKVD Twin Triple Run Tee	P.68	R1/4	◎	◎		8
		R3/8	◎	◎		8
				◎	◎	10
		R1/2		◎	◎	10

Connection: Thread ⇔ Fitting (P.87)

Type	Page	Thread size	Tube dia.(mm) 4	6	8	10
PTJ PT Jack	P.87	M5×0.8	●	●		
		R1/8	●	●	●	
		R1/4		●	●	
		R3/8			●	●

Connection: Thread ⇔ Thread (P.88 ~ P.89)

Type	Page	Thread size	Thread size2 M5×0.8	Rc1/8	Rc1/4	Rc3/8	Rc1/2
PF Extension Screw Adaptor	P.88	M5×0.8	●	●			
		R1/8	●	●	●	●	
		R1/4	●	●	●	●	●
		R3/8		●	●	●	●
		R1/2					●
PFF Unequal Screw Union	P.89	Rc1/8	●				
		Rc1/4		●			
		Rc3/8		●	●		
		Rc1/2			●	●	

※. "◎" marks are redesigned models.

Connection: Tube ⇔ Tube (P.69～P.79)

● Equal dia.

Type	Page	Tube O.D.													
		4	6	8	10	12	16	5/32	3/16	1/4	5/16	3/8	1/2	5/8	
PU Union Straight	P.69	●	●	●	●	●	●	●	●	●	●	●	●	●	
PM Bulkhead Union	P.70	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎		
PMP Bulkhead Union P	P.70	●	●	●	●	●		●		●	●	●			
PV Union Elbow	P.71	●	●	●	●	●	●	●	●	●	●	●	●		
PML Bulkhead Union Elbow	P.71	●	●	●	●	●		●		●	●	●			
PAU Branch Union Elbow	P.72	●	●	●	●	●		●	●	●	●	●	●		
PVU Tripod Union	P.72	●	●	●	●	●		●	●	●	●	●	●		
PE Union Tee	P.73	●	●	●	●	●	●	●	●	●	●	●	●		
PY Union Y	P.75	●	●	●	●	●	●	●	●	●	●	●	●		
PZA Union Cross	P.78			●	●	●				●	●	●	●		

● Unequal dia.

Type	Page	Tube O.D. 1(mm)	Tube O.D. 2												
			4	6	8	10	12	16	5/32	3/16	1/4	5/16	3/8	1/2	5/8
PG Unequal Union Straight	P.69	6	●												
		8	●	●											
		10		●	●										
		12			●	●							●		
		16				●	●								
		3/16								●					
		1/4	●							●	●				
		5/16									●	●			
		3/8										●	●		
		1/2										●	●	●	
		5/8												●	
PEG Unequal Union Tee	P.74	4		●											
		6	●		●										
		8	●	●		●									
		10		●	●		●								
		12			●	●		●							
		16				●	●								
		5/32								●	●				
		3/16								●	●				
		1/4								●	●	●			
		5/16								●	●	●	●		
		3/8										●	●	●	
		1/2											●	●	
PW Unequal Union Y	P.76	6	●												
		8	●	●											
		10		●	●										
		12			●	●									
		16					●								
		3/16								●					
		1/4	●							●	●				
		5/16								●		●			
		3/8										●	●		
		1/2											●	●	
PRG Unequal Double Y	P.77	6	●												
		8		●											
		3/16								●					
		1/4								●					
		5/16										●			
PKG Unequal Triple Tee	P.77	6	●												
		8	●	●											
		10		●	●										
		3/16								●					
		5/16								●	●	●			
		3/8										●	●		
PKVG Unequal Twin Triple Tee	P.78	8	●	●											
		10		●	●										
		5/16								●	●	●			
		3/8									●	●	●		
PZB Unequal Cross	P.79	8		●											
PZC Reducing Cross	P.79	10			●										
		12				●									
		5/16										●			
		3/8											●		
		1/2												●	

※. "◎" marks are redesigned models.

Connection: Tube ⇔ Fitting(P.80～P.85)

● Equal dia.

Type	Page	Tube dia. (mm), Tube O.D.									
		4	6	8	10	12	16	5/32	1/4	5/16	3/8	1/2
PLJ Plug-in Elbow	P.81	●	●	●	●	●	●	●	●	●	●	●
PLLJ Long Plug-in Elbow	P.81	●	●	●	●	●		●	●	●	●	●
PLHJ 45°Plug-in Elbow	P.82			●	●	●	●					
PYJ Plug-in Y	P.83	●	●	●	●	●	●		●	●	●	●

● Unequal dia.

Type	Page	Tube dia. (mm)	Tube O.D.									
			4	6	8	10	12	5/32	3/16	1/4	5/16	3/8
PGJ Unequal Plug-in Straight	P.80	4		●								
		6	●		●							
		8	●	●		●						
		10	●	●	●		●			●	●	
		12		●	●	●				●	●	●
		16				●	●					
		1/4								●		
		5/16								●	●	
		3/8									●	●
		1/2									●	●
PLGJ Unequal Plug-in Elbow	P.82	6	●									
		8	●	●								
		10		●	●							
		12			●	●						
		16				●						
		1/4		●					●	●		
		5/16								●	●	
		3/8									●	●
		1/2					●					●
PLLGJ Unequal Plug-in Long Elbow	P.83	6	●									
PWJ Unequal Plug-in Y	P.84	6	●									
		8		●								
		10			●							
		12				●						
		16					●					
		1/4								●		
		5/16									●	
		3/8										●
		1/2										
PRJ Plug-in Double Y	P.84	6	●									
		8		●								
PKJ Plug-in Triple Tee	P.85	6	●									
		8	●	●								
		10			●							

Connection: Fitting ⇔ Fitting (P.86)

● Equal dia.

Type	Page	Tube dia. (mm)											
		4	6	8	10	12	16	5/32	3/16	1/4	5/16	3/8	1/2
PIJ Union Stem	P.86	●	●	●	●	●	●	●	●	●	●	●	●

● Unequal dia.

Type	Page	Tube dia.1 (mm)	Tube dia. 2 (mm)									
			4	6	8	10	12	5/32	3/16	1/4	5/16	3/8
PIG Unequal Union Stem	P.86	6	●									
		8	●	●								
		10		●	●							
		12			●	●						
		16				●	●					
		3/16						●				
		1/4						●	●			
		5/16								●		
		3/8									●	
		1/2										●

Plug (P.90)

Type	Page	Tube O.D.												
		4	6	8	10	12	16	1/8	5/32	3/16	1/4	5/16	3/8	1/2
PPF Cap	P.90	●	●	●	●	●	●	●	●	●	●	●	●	●
PP Plug	P.90	●	●	●	●	●	●		●	●	●	●	●	●

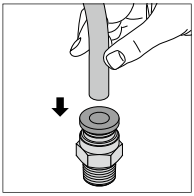
How to insert and disconnect

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.

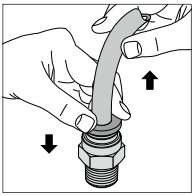
Refer to "6. Instructions for Tube Insertion" under "Common Safety Instructions for Products Listed in This Catalog".



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.

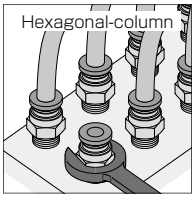


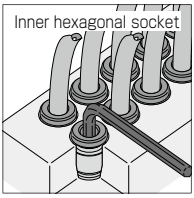
2. How to tighten thread

① Tightening thread

There are two ways to tighten 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: Tightening torque / Sealock color / Gasket materials" under "8. Instructions for Installing a fitting" in "Common Safety Instructions for Products Listed in This Catalog".



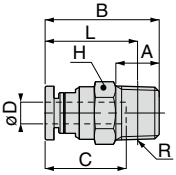


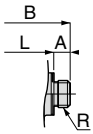
Applicable Tube and Related Products

Polyurethane Tube·····P.596
Nylon Tube·····P.608
Fluororesin Tube with clean-room package·····P.638
Polyurethane Tube with clean-room package·····P.642

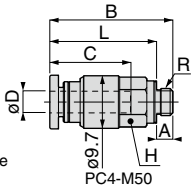
PC Straight

RoHS compliant





Metric thread type



OP. P.754

3D CAD CAD

Unit：mm

Model code	Tube O.D. øD	R	A	B	L	Tube end C	Hex. H	Orifice bore (ømm)	Weight (g)	CAD file name
PC4-M5④	4	M5×0.8	2.8 [3]	19.8	17 [16.8]	14.9	10	2.4	5.6	PC4-M5_[C]
PC4-M50④				22.7	19.9 [19.7]		8		6.1	PC4-M50_[C]
PC4-M6④		M6×1	3.8	20.8	17		10	3	6	PC4-M6_[C]
PC4-01④		R1/8	8	21	17		10		7.4	PC4-01_
PC4-02④		R1/4	11	22.5	16.5		14		16	PC4-02_
PC6-M5④	6	M5×0.8	2.8 [3]	21.9	19.1 [18.9]	17	12	2.4	8.1	PC6-M5_[C]
PC6-M6④		M6×1	3.8	22.9	19.1			3	8.5	PC6-M6_[C]
PC6-01④		R1/8	8	22.3	18.3			5	8.2	PC6-01_
PC6-02④		R1/4	11	23.7	17.6		14		15	PC6-02_
PC6-03④		R3/8	12	24.5	18.1		17		28	PC6-03_
PC8-01④	8	R1/8	8	27.9	23.9	18.2	14	6	14	PC8-01_
PC8-02④		R1/4	11	26.6	20.6			7		PC8-02_
PC8-03④		R3/8	12	25.5	19.2		17		25	PC8-03_
PC10-01④	10	R1/8	8	30.3	26.3	20.7	17	6	21	PC10-01_
PC10-02④		R1/4	11	29.8	23.8			8.5	19	PC10-02_
PC10-03④		R3/8	12	29.3	23			9	24	PC10-03_
PC10-04④		R1/2	15	30.4	22.2		21		46	PC10-04_
PC12-02④	12	R1/4	11	35.9	29.9	23.3	21	8.5	37	PC12-02_
PC12-03④		R3/8	12	31.9	25.6			11	30	PC12-03_
PC12-04④		R1/2	15	33.9	25.7				44	PC12-04_
PC16-03④	16	R3/8	12	39.3	33	24.8	24	11	54	PC16-03_
PC16-04④		R1/2	15	41.3	33.1			13	63	PC16-04_
PC5/32-M5④	5/32	M5×0.8	2.8 [3]	19.8	17 [16.8]	14.9	10	2.4	5.6	PC5_32-M5[_C]
PC5/32-01④		R1/8	8	21	17			3	7.4	PC5_32-01_
PC5/32-02④		R1/4	11	22.5	16.5		14		16	PC5_32-02_
PC3/16-M5④	3/16	M5×0.8	2.8 [3]	22.3	19.5 [19.3]	17.4	12	2.4	8.6	PC3_16-M5[_C]
PC3/16-01④		R1/8	8	22.7	18.7			4	9	PC3_16-01_
PC3/16-02④		R1/4	11	24.1	18		14		16	PC3_16-02_
PC1/4-M5④	1/4	M5×0.8	2.8 [3]	21.9	19.1 [18.9]	17	12	2.4	8	PC1_4-M5[_C]
PC1/4-01④		R1/8	8	22.3	18.3			5.3		PC1_4-01_
PC1/4-02④		R1/4	11	23.7	17.6		14		15	PC1_4-02_
PC1/4-03④		R3/8	12	24.5	18.1		17		28	PC1_4-03_
PC5/16-01④	5/16	R1/8	8	27.9	23.9	18.2	14	6	14	PC5_16-01_
PC5/16-02④		R1/4	11	26.6	20.6			7		PC5_16-02_
PC5/16-03④		R3/8	12	25.5	19.2		17		25	PC5_16-03_
PC3/8-01④	3/8	R1/8	8	30.3	26.3	20.7	17	6	22	PC3_8-01_
PC3/8-02④		R1/4	11	29.8	23.8			8.5	19	PC3_8-02_
PC3/8-03④		R3/8	12	29.3	23				25	PC3_8-03_
PC3/8-04④		R1/2	15	30.4	22.2		21		47	PC3_8-04_
PC1/2-02④	1/2	R1/4	11	35.7	29.7	23.1	21	8.5	36	PC1_2-02_
PC1/2-03④		R3/8	12	31.7	25.4			11	29	PC1_2-03_
PC1/2-04④		R1/2	15	33.7	25.5				43	PC1_2-04_
PC5/8-03④	5/8	R3/8	12	39.3	33	24.8	24	11	54	PC5_8-03_
PC5/8-04④		R1/2	15	41.3	33.1			13	63	PC5_8-04_

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

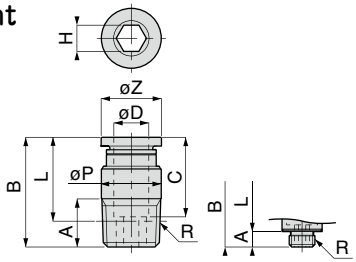
※2. "L" is a reference value for height dimension after tightening taper thread.

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

※4. Orifice bore is the smallest passage converted in terms of the diameter.

POC Inner Hex. Straight

RoHS compliant



Metric thread type

OP. P.754 3D CAD CAD

Unit : mm

Model code	Tube O.D. øD	R	A	B	L	Tube end C	Hex. H	øP	øZ	Orifice bore (ømm)	Weight (g)	CAD file name
POC4-M5④	4	M5×0.8	2.8 [3]	19.7	16.9 [16.7]	14.9	2.5	9.7	9.9	2.6	4.6	POC4-M5_[C]
POC4-M6④		M6×1	3.8	20.7	16.9						5.4	POC4-M6_[C]
POC4-01④		R1/8	8	20	16						6.6	POC4-01_
POC6-M5④	6	M5×0.8	2.8 [3]	21.3	18.5 [18.3]	17	2.5	11.8	11.8	2.6	5.6	POC6-M5_[C]
POC6-M6④		M6×1	3.8	22.3	18.5		3			3.2	6.3	POC6-M6_[C]
POC6-01④		R1/8	8	22.1	18.1		4			4.2	7.6	POC6-01_
POC6-02④		R1/4	11	21.3	15.2			13.7			13	POC6-02_
POC8-01④	8	R1/8	8	25.9	21.9	18.2	5	13.7	13.8	5.3	8.8	POC8-01_
POC8-02④		R1/4	11	25.1	19.1		6			6.3	13	POC8-02_
POC8-03④		R3/8	12	22.2	15.9			16.8			19	POC8-03_
POC10-01④	10	R1/8	8	30.3	26.3	20.7	5	17.5	16.8	5.3	17	POC10-01_
POC10-02④		R1/4	11	29.8	23.8		6			6.3	20	POC10-02_
POC10-03④		R3/8	12	29.3	23						26	POC10-03_
POC10-04④		R1/2	15	30.3	22.1			20.8			45	POC10-04_
POC12-02④	12	R1/4	11	35.9	29.9	23.3	6	20.8	19.8	6.3	29	POC12-02_
POC12-03④		R3/8	12	31.9	25.6		8			8.4	31	POC12-03_
POC12-04④		R1/2	15	33.9	25.7						45	POC12-04_
POC16-03④	16	R3/8	12	39.3	33	24.8	10	26	23	10.5	61	POC16-03_
POC16-04④		R1/2	15	40.3	32.1		12			12.6	65	POC16-04_
POC1/4-M5④	1/4	M5×0.8	2.8 [3]	21.3	18.5 [18.3]	17	2.5	11.8	11.8	2.6	5.6	POC1_4-M5[_C]
POC1/4-01④		R1/8	8	22.1	18.1		4			4.2	7.5	POC1_4-01_
POC1/4-02④		R1/4	11	21.3	15.2			13.7			12	POC1_4-02_
POC5/16-01④	5/16	R1/8	8	25.9	21.9	18.2	5	13.7	13.8	5.3	8.8	POC5_16-01_
POC5/16-02④		R1/4	11	25.1	19.1		6			6.3	13	POC5_16-02_
POC5/16-03④		R3/8	12	22.2	15.9			16.8			19	POC5_16-03_
POC3/8-02④	3/8	R1/4	11	29.8	23.8	20.7	6	17.5	16.8	6.3	21	POC3_8-02_
POC3/8-03④		R3/8	12	29.3	23						27	POC3_8-03_
POC3/8-04④		R1/2	15	30.3	22.1			20.8			46	POC3_8-04_

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

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

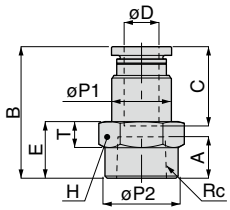
※3. Dimensions in [ ] are for clean-room and clean-wash package products.

※4. Orifice bore is the smallest passage converted in terms of the diameter.

OP. P.000 Page for special specifications 3D CAD 3D CAD data is available at PISCO website. CAD CAD data is available at PISCO website.

PCF Female Straight

RoHS compliant



OP. P.754 3D CAD CAD

Unit：mm

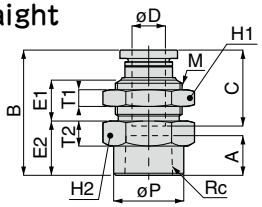
Model code	Tube O.D. øD	Rc	A	B	E	øP1	øP2	Tube end C	Hex. H	T	Orifice bore (ømm)	Weight (g)	CAD file name
PCF4-M5④	4	M5×0.8	4.5	21.4	8	9.7	9	14.9	10	4	3	7.6	PCF4-M5_
PCF4-01④		Rc1/8	7	23.9	10		13.8		14	5		13	PCF4-01_
PCF4-02④		Rc1/4	9.5	26.9	13		16.8		17	6		19	PCF4-02_
PCF6-M5④	6	M5×0.8	5	22	9	11.8	9	17	12	5	4.1	9.5	PCF6-M5_
PCF6-01④		Rc1/8	7	26	10		13.8		14		5	15	PCF6-01_
PCF6-02④		Rc1/4	9.5	29	13		16.8		17	6		21	PCF6-02_
PCF6-03④		Rc3/8	10.5	30	14		20.8		21	6.5		29	PCF6-03_
PCF8-01④	8	Rc1/8	7	27.2	10	13.7	13.8	18.2	14	5	7	16	PCF8-01_
PCF8-02④		Rc1/4	9.5	30.2	13		16.8		17	6		22	PCF8-02_
PCF8-03④		Rc3/8	10.5	31.2	14		20.8		21	6.5		30	PCF8-03_
PCF10-02④	10	Rc1/4	9.5	32.7	13	17.5	16.8	20.7	17	6	9	28	PCF10-02_
PCF10-03④		Rc3/8	10.5	33.7	14		20.8		21	6.5		37	PCF10-03_
PCF12-02④	12	Rc1/4	9.5	34.8	13.5	20.8	16.8	23.3	21	6.5	11	42	PCF12-02_
PCF12-03④		Rc3/8	10.5	36.3	14		20.8					44	PCF12-03_
PCF12-04④		Rc1/2	13	39.3	17		25		24	7		54	PCF12-04_
PCF16-03④	16	Rc3/8	10.5	37.3	15.5	26	20.8	24.8	27	8	14.2	71	PCF16-03_
PCF16-04④		Rc1/2	13	40.8	18		25				15	76	PCF16-04_
PCF5/32-01④	5/32	Rc1/8	7	23.9	10	9.7	13.8	14.9	14	5	3	13	PCF5_32-01_
PCF5/32-02④		Rc1/4	9.5	26.9	13		16.8		17	6		19	PCF5_32-02_
PCF3/16-01④	3/16	Rc1/8	7	26.4	10	11.8	13.8	17.4	14	5	4	16	PCF3_16-01_
PCF3/16-02④		Rc1/4	9.5	29.4	13		16.8		17	6		22	PCF3_16-02_
PCF1/4-01④	1/4	Rc1/8	7	26	10	11.8	13.8	17	14	5	5.3	15	PCF1_4-01_
PCF1/4-02④		Rc1/4	9.5	29	13		16.8		17	6		21	PCF1_4-02_
PCF1/4-03④		Rc3/8	10.5	30	14		20.8		21	6.5		29	PCF1_4-03_
PCF5/16-01④	5/16	Rc1/8	7	27.2	10	13.7	13.8	18.2	14	5	7	16	PCF5_16-01_
PCF5/16-02④		Rc1/4	9.5	30.2	13		16.8		17	6		22	PCF5_16-02_
PCF5/16-03④		Rc3/8	10.5	31.2	14		20.8		21	6.5		30	PCF5_16-03_
PCF3/8-02④	3/8	Rc1/4	9.5	32.7	13	17.5	16.8	20.7	17	6	8.5	29	PCF3_8-02_
PCF3/8-03④		Rc3/8	10.5	33.7	14		20.8		21	6.5		37	PCF3_8-03_
PCF1/2-02④	1/2	Rc1/4	9.5	34.6	13.5	20.8	16.8	23.1	21	6.5	11	41	PCF1_2-02_
PCF1/2-03④		Rc3/8	10.5	36.1	14		20.8					44	PCF1_2-03_
PCF1/2-04④		Rc1/2	13	39.1	17		25		24	7		53	PCF1_2-04_

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

※2. Orifice bore is the smallest passage converted in terms of the diameter.

PMF Bulkhead Female Straight

RoHS compliant



OP. P.754 3D CAD CAD

Unit : mm

Model code	Tube O.D. øD	Rc	M	B	E1	E2	A	Tube end C	øP	Hex. H1	Hex. H2	T1	T2	Orifice bore (ømm)	Weight (g)	CAD file name
PMF4-01④	4	Rc1/8	M12×1	24.2	9	9	7	14.9	13.8	14	14	4	5	3	17	PMF4-01_
PMF4-02④		Rc1/4		27.5		12.3	9.5		16.8		17		6		22	PMF4-02_
PMF6-01④	6	Rc1/8	M14×1	26.4	10.2	10	7	17	13.8	17	17	4	6	5	25	PMF6-01_
PMF6-02④		Rc1/4		28.7		12.3	9.5		16.8						26	PMF6-02_
PMF6-03④		Rc3/8		30.4		14	10.5		19.5		19				29	PMF6-03_
PMF8-01④	8	Rc1/8	M16×1	27	9.8	10	7	18.2	13.8	19	19	4	6	7	30	PMF8-01_
PMF8-02④		Rc1/4		30		13	9.5		16.8						32	PMF8-02_
PMF8-03④		Rc3/8		31		14	10.5		19.5						30	PMF8-03_
PMF10-02④	10	Rc1/4	M20×1	32.7	11.1	13	9.5	20.7	16.8	24	24	5	7	9	55	PMF10-02_
PMF10-03④		Rc3/8		33.7		14	10.5		20.8						56	PMF10-03_
PMF12-02④	12	Rc1/4	M22×1	35.3	12.4	13	9.5	23.3	16.8	27	24	6	7	11	65	PMF12-02_
PMF12-03④		Rc3/8		36.3		14	10.5		20.8							PMF12-03_
PMF12-04④		Rc1/2		39.3		17	13		25						67	PMF12-04_
PMF16-03④	16	Rc3/8	M27×1.5	38.3	14.4	14	10.5	24.8	20.8	32	29	9	8.5	14.2	110	PMF16-03_
PMF16-04④		Rc1/2		40.8		16.5	13		25					15		PMF16-04_

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

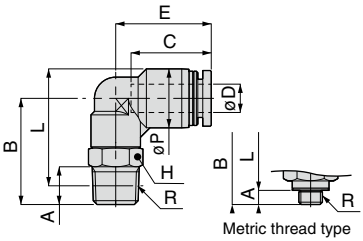
※2. Orifice bore is the smallest passage converted in terms of the diameter.

OP. P.000 Page for special specifications 3D CAD 3D CAD data is available at PISCO website. CAD CAD data is available at PISCO website.

PL Elbow

RoHS compliant

OP. P.754 | 3D CAD | CAD



Unit：mm

Model code	Model code	R	A	B	L	øP	Tube end C	E	Hex. H	Orifice bore (ømm)	Weight (g)	CAD file name
PL4-M5④	4	M5×0.8	2.8 [3]	16	18.2 [18]	10	14.9	17.7	8	2.4	5.7	PL4-M5_[C]
PL4-M6④		M6×1	3.8	20	21.2			18.7	10	2.8	8	PL4-M6_[C]
PL4-01④		R1/8	8	22	23					2.8	10	PL4-01_
PL4-02④		R1/4	11	29	28			20.7	14		18	PL4-02_
PL6-M5④	6	M5×0.8	2.8 [3]	19.5	23 [22.8]	12.5	17	20.3	10	2.4	8.9	PL6-M5_[C]
PL6-M6④		M6×1	3.8	20.5	23					3	8	PL6-M6_[C]
PL6-01④		R1/8	8	22.5	24.8					4.2	11	PL6-01_
PL6-02④		R1/4	11	28	28.2			21.8	14	4.3	19	PL6-02_
PL6-03④		R3/8	12	31.5	31.4			23.8	17		30	PL6-03_
PL8-01④*	8	R1/8	8	24	27.3	14.5	18.1	22.7	12	6	14	PL8-01_
PL8-02④*		R1/4	11	28	29.2			23.7	14	6.7	20	PL8-02_
PL8-03④*		R3/8	12	31	31.9			24.7	17		31	PL8-03_
PL10-01④	10	R1/8	8	25	29.8	17.5	20.2	25.5	12	6	18	PL10-01_
PL10-02④*		R1/4	11	28.5	31.2			26	14	8	23	PL10-02_
PL10-03④*		R3/8	12	32	34.4			27	17	8.3	34	PL10-03_
PL10-04④		R1/2	15	36	36.6			27.5	21		57	PL10-04_
PL12-02④	12	R1/4	11	29.8	34.2	21	23.4	29	14	8	27	PL12-02_
PL12-03④		R3/8	12	32.5	36.7			29.7	17	10	38	PL12-03_
PL12-04④		R1/2	15	36.5	38.8			30.7	21	10.3	61	PL12-04_
PL16-03④	16	R3/8	11	47	53.2	25	24.1	33.1	22	11	74	PL16-03_
PL16-04④		R1/2	15	51	55.3					13	79	PL16-04_

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

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

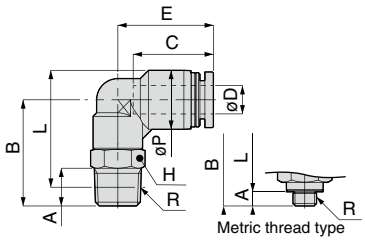
※3. Space saving types are available for model codes with * mark. See page 762.

※4. Dimensions in [ ] are for clean-room and clean-wash package products

※5. Orifice bore is the smallest passage converted in terms of the diameter.

Elbow (Inch size)

OP. P.754 | 3D CAD | CAD



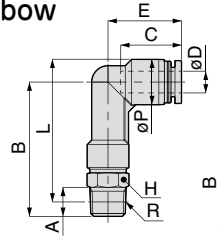
Unit：mm

Model code	Tube O.D. ØD	R	A	B	L	ØP	Tube end C	E	Hex. H	Orifice bore (ømm)	Weight (g)	CAD file name
PL5/32-M5④	5/32	M5×0.8	2.8 [3]	16	18.2 [18]	10	14.9	17.7	8	2.4	5.7	PL5_32-M5_[C]
PL5/32-01④		R1/8	8	22	23			18.7	10	2.8	10	PL5_32-01_
PL5/32-02④		R1/4	11	29	28			20.7	14		18	PL5_32-02_
PL3/16-M5④	3/16	M5×0.8	2.8 [3]	19.5	23 [22.8]	12.5	17.4	20.7	10	2.4	8.7	PL3_16-M5_[C]
PL3/16-01④		R1/8	8	22.5	24.8					3.3	11	PL3_16-01_
PL3/16-02④		R1/4	11	28	28.2			22.2	14		19	PL3_16-02_
PL1/4-M5④	1/4	M5×0.8	2.8 [3]	19.5	23 [22.8]	12.5	17	20.3	10	2.4	8.5	PL1_4-M5_[C]
PL1/4-01④		R1/8	8	22.5	24.8					4.6	11	PL1_4-01_
PL1/4-02④		R1/4	11	28	28.2			21.8	14	5.3	18	PL1_4-02_
PL1/4-03④		R3/8	12	31.5	31.4			23.8	17		29	PL1_4-03_
PL5/16-01④	5/16	R1/8	8	24	27.3	14.5	18.1	22.7	12	6	14	PL5_16-01_
PL5/16-02④		R1/4	11	28	29.2			23.7	14	6.7	20	PL5_16-02_
PL5/16-03④		R3/8	12	31	31.9			24.7	17		31	PL5_16-03_
PL3/8-01④	3/8	R1/8	8	25	29.8	17.5	20.2	25.5	12	6	18	PL3_8-01_
PL3/8-02④		R1/4	11	28.5	31.2			26	14	8	24	PL3_8-02_
PL3/8-03④		R3/8	12	32	34.4			27	17	8.2	35	PL3_8-03_
PL3/8-04④		R1/2	15	36	36.6			27.5	21		58	PL3_8-04_
PL1/2-02④	1/2	R1/4	11	29.8	34.2	21	23.7	29.3	14	8	26	PL1_2-02_
PL1/2-03④		R3/8	12	32.5	36.7			30	17	10	37	PL1_2-03_
PL1/2-04④		R1/2	15	36.5	38.8			31	21	10.9	60	PL1_2-04_
PL5/8-03④	5/8	R3/8	11	47	53.2	25	24.1	33.1	22	11	74	PL5_8-03_
PL5/8-04④		R1/2	15	51	55.3					13	79	PL5_8-04_

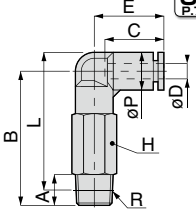
※1. ④ in Model code / Replaced with "W" for Light-gray color, "-C" for Clean-room package, "W-C" for Light-gray color and Clean-room packge, "-UC" for Clean-wash and Clean-room package
※2. "L" is a reference value for height dimension after tightening taper thread.
※3. Dimensions in [ ] are for clean-room and clean-wash package products
※4. Orifice bore is the smallest passage converted in terms of the diameter.

PLL Long Elbow

RoHS compliant



Metric thread type



ø16mm type

OP. P.754 3D CAD CAD

Unit：mm

Model code	Tube O.D. øD	R	A	B	L	øP	Tube end C	E	Hex. H	Orifice bore (ømm)	Weight (g)	CAD file name
PLL4-M5④	4	M5×0.8	2.8 [3]	28	30.2 [30]	10	14.9	18.7	8	2.4	6.4	PLL4-M5_[C]
PLL4-01④		R1/8	8	34	35				10	2.8	11	PLL4-01_
PLL4-02④		R1/4	11	41	40			20.7	14		19	PLL4-02_
PLL6-M5④	6	M5×0.8	2.8 [3]	34	37.5 [37.3]	12.5	17	20.3	10	2.4	9.9	PLL6-M5_[C]
PLL6-01④		R1/8	8	37	39.3					4.3	13	PLL6-01_
PLL6-02④		R1/4	11	42.5	42.7			21.8	14		20	PLL6-02_
PLL6-03④		R3/8	12	46	45.9			23.8	17		33	PLL6-03_
PLL8-01④	8	R1/8	8	40.5	43.8	14.5	18.1	22.7	12	6	16	PLL8-01_
PLL8-02④		R1/4	11	44.5	45.7			23.7	14	6.7	22	PLL8-02_
PLL8-03④		R3/8	12	47.5	48.4			24.7	17		35	PLL8-03_
PLL10-01④	10	R1/8	8	44.5	49.3	17.5	20.2	25.5	12	6	20	PLL10-01_
PLL10-02④		R1/4	11	48	50.7			26	14	8	26	PLL10-02_
PLL10-03④		R3/8	12	51.5	53.9			27	17	8.3	38	PLL10-03_
PLL10-04④		R1/2	15	55.5	56.1				21		63	PLL10-04_
PLL12-02④	12	R1/4	11	52.8	57.2	21	23.4	29	14	8	30	PLL12-02_
PLL12-03④		R3/8	12	55.5	59.7			29.7	17	10	42	PLL12-03_
PLL12-04④		R1/2	15	59.5	61.8				21	10.3	68	PLL12-04_
PLL16-03④	16	R3/8	11	74	80.2	25	24.1	33.1	22	11	154	PLL16-03_
PLL16-04④		R1/2	15	78	82.3					13	150	PLL16-04_
PLL5/32-01④	5/32	R1/8	8	34	35	10	14.9	18.7	10	2.8	11	PLL5_32-01_
PLL5/32-02④		R1/4	11	41	40			20.7	14		19	PLL5_32-02_
PLL3/16-01④	3/16	R1/8	8	37	39.3	12.5	17.4	20.7	10	3.3	13	PLL3_16-01_
PLL3/16-02④		R1/4	11	42.5	42.7			22.2	14		21	PLL3_16-02_
PLL1/4-01④	1/4	R1/8	8	37	39.3	12.5	17	20.3	10	4.6	13	PLL1_4-01_
PLL1/4-02④		R1/4	11	42.5	42.7			21.8	14	5.3	20	PLL1_4-02_
PLL1/4-03④		R3/8	12	46	45.9			23.8	17		33	PLL1_4-03_
PLL5/16-01④	5/16	R1/8	8	40.5	43.8	14.5	18.1	22.7	12	6	16	PLL5_16-01_
PLL5/16-02④		R1/4	11	44.5	45.7			23.7	14	6.7	22	PLL5_16-02_
PLL5/16-03④		R3/8	12	47.5	48.4			24.7	17		35	PLL5_16-03_
PLL3/8-01④	3/8	R1/8	8	44.5	49.3	17.5	20.2	25.5	12	6	20	PLL3_8-01_
PLL3/8-02④		R1/4	11	48	50.7			26	14	8	27	PLL3_8-02_
PLL3/8-03④		R3/8	12	51.5	53.9			27	17	8.2	39	PLL3_8-03_
PLL3/8-04④		R1/2	15	55.5	56.1				21		63	PLL3_8-04_
PLL1/2-02④	1/2	R1/4	11	52.8	57.2	21	23.7	29.3	14	8	30	PLL1_2-02_
PLL1/2-03④		R3/8	12	55.5	59.7			30	17	10	42	PLL1_2-03_
PLL1/2-04④		R1/2	15	59.5	61.8				21	10.9	67	PLL1_2-04_

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

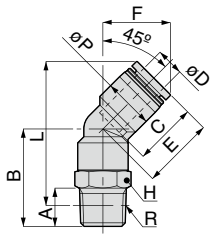
※2. "L" is a reference value for height dimension after tightening taper thread.

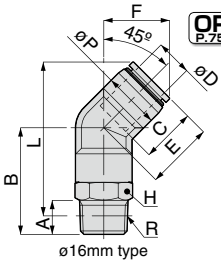
※3. Dimensions in [ ] are for clean-room and clean-wash package products

※4. Orifice bore is the smallest passage converted in terms of the diameter.

PLH 45° Elbow

RoHS compliant





ø16mm type

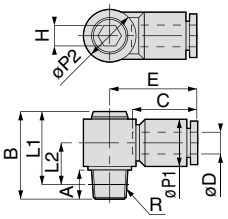
OP. P.754 | 3D CAD | CAD

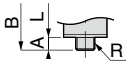
Unit : mm

Model code	Tube O.D. øD	R	A	B	L	E	F	øP	Tube end C	Hex. H	Orifice bore (ømm)	Weight (g)	CAD file name
PLH8-01④	8	R1/8	8	24	39.4	20.7	19.4	14.5	18.1	12	6	14	PLH8-01_
PLH8-02④		R1/4	11	28	41.4					14	6.7	20	PLH8-02_
PLH8-03④		R3/8	12	31	44					17		31	PLH8-03_
PLH10-01④	10	R1/8	8	25	43.7	23.9	22.7	17.5	20.2	12	6	18	PLH10-01_
PLH10-02④		R1/4	11	28.5	45.2					14	8	23	PLH10-02_
PLH10-03④		R3/8	12	33	49.4					17	8.3	35	PLH10-03_
PLH10-04④		R1/2	15	37	51.6					21		58	PLH10-04_
PLH12-02④	12	R1/4	11	29.8	51	29	27.3	21	23.4	14	8	27	PLH12-02_
PLH12-03④		R3/8	12	32.5	53.5	29.1	27.4			17	9.5	38	PLH12-03_
PLH12-04④		R1/2	15	36.5	55.7					21	10.3	61	PLH12-04_
PLH16-03④	16	R3/8	11	43	65.6	29.8	29	25	24.1	22	11	73	PLH16-03_
PLH16-04④		R1/2	15	47	67.8						13	78	PLH16-04_

POL Hex. Holed Banjo

RoHS compliant





Metric thread type

OP. P.754 | 3D CAD | CAD

Unit : mm

Model code	Tube O.D. øD	R	A	B	L1	L2	øP1	øP2	Tube end C	E	Hex. H	Orifice bore (ømm)	Weight (g)	CAD file name
POL4-M5④	4	M5×0.8	3 [3.2]	17.5	14.5 [14.3]	7.5 [7.3]	10	10	14.9	19.8	4	1.8	6.3	POL4-M5[C]
POL6-01④	6	R1/8	8	24	20	11.5	13	14.3	17	23.7	5	4	15	POL6-01
POL6-02④		R1/4	11	27	21	12.5							22	POL6-02
POL8-01④	8	R1/8	8	27	23	12	14	17.9	18.1	26.7	8	5.6	22	POL8-01
POL8-02④		R1/4	11	30	24	13							28	POL8-02
POL8-03④		R3/8	12	31	24.7	13.7							37	POL8-03
POL10-02④	10	R1/4	11	34	28	15	18	21.3	20.7	30.7	10	7.5	40	POL10-02
POL10-03④		R3/8	12	35	28.7	15.7							49	POL10-03
POL12-03④	12	R3/8	12	39	32.7	17.7	21	26.3	23.4	36.4	12	9.1	68	POL12-03
POL12-04④		R1/2	15	42	33.8	18.8							85	POL12-04

Common caution in this page

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

※2. "L", "L1" and "L2" are reference values for height dimensions after tightening taper thread.

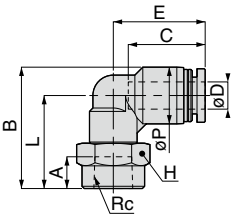
※3. Dimensions in [ ] are for clean-room and clean-wash package products

※4. Orifice bore is the smallest passage converted in terms of the diameter.

PLF Female Elbow

RoHS compliant

OP. P.754 3D CAD CAD



Unit：mm

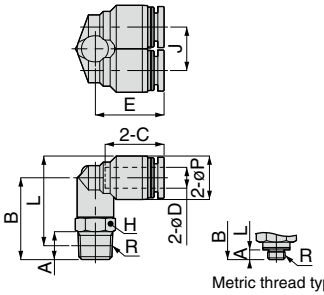
Model code	Tube O.D. øD	Rc	A	B	L	øP	Tube end C	E	Hex. H	Orifice bore (ømm)	Weight (g)	CAD file name
PLF4-M5④	4	M5×0.8	5	19	14	10	14.9	18.7	10	2.8	6.9	PLF4-M5_
PLF4-M6④		M6×1									6.4	PLF4-M6_
PLF4-01④		Rc1/8	7	25	20				14		14	PLF4-01_
PLF4-02④		Rc1/4	9.5	31	26			20.7	17		21	PLF4-02_
PLF6-M5④	6	M5×0.8	5	20.8	14.5	12.5	17	20.3	10	4.1	7.8	PLF6-M5_
PLF6-M6④		M6×1								4.2	7.3	PLF6-M6_
PLF6-01④		Rc1/8	7	26.8	20.5				14		15	PLF6-01_
PLF6-02④		Rc1/4	9.5	31.3	25			21.8	17	4.3	21	PLF6-02_
PLF6-03④		Rc3/8	10.5	33.8	27.5			23.8	21		32	PLF6-03_
PLF8-01④	8	Rc1/8	7	28.3	21	14.5	18.1	22.7	14	6.0	16	PLF8-01_
PLF8-02④		Rc1/4	9.5	32.3	25			23.7	17	6.7	23	PLF8-02_
PLF8-03④		Rc3/8	10.5	34.3	27			24.7	21		33	PLF8-03_
PLF10-02④	10	Rc1/4	9.5	34.3	25.5	17.5	20.2	26	17	8.0	26	PLF10-02_
PLF10-03④		Rc3/8	10.5	36.8	28			27	21	8.3	36	PLF10-03_
PLF10-04④		Rc1/2	13	40.3	31.5			27.5	24		46	PLF10-04_
PLF12-02④	12	Rc1/4	9.5	38	27.5	21	23.4	29.7	17	10.0	31	PLF12-02_
PLF12-03④		Rc3/8	10.5	39	28.5				21		40	PLF12-03_
PLF12-04④		Rc1/2	13	42.5	32			30.7	24	10.3	50	PLF12-04_
PLF5/32-M5④	5/32	M5×0.8	5	19	14	10	14.9	18.7	10	2.8	6.9	PLF5/32-M5_
PLF5/32-01④		Rc1/8	7	25	20				14		14	PLF5/32-01_
PLF5/32-02④		Rc1/4	9.5	31	26			20.7	17		21	PLF5/32-02_
PLF3/16-M5④	3/16	M5×0.8	5	20.8	14.5	12.5	17.4	20.7	10	3.3	8	PLF3/16-M5_
PLF3/16-01④		Rc1/8	7	26.8	20.5				14		15	PLF3/16-01_
PLF3/16-02④		Rc1/4	9.5	31.3	25			22.2	17		22	PLF3/16-02_
PLF1/4-M5④	1/4	M5×0.8	5	20.8	14.5	12.5	17	20.3	10	4.1	7.7	PLF1/4-M5_
PLF1/4-01④		Rc1/8	7	26.8	20.5				14	4.6	15	PLF1/4-01_
PLF1/4-02④		Rc1/4	9.5	31.3	25			21.8	17	5.3	21	PLF1/4-02_
PLF1/4-03④		Rc3/8	10.5	33.8	27.5			23.8	21		31	PLF1/4-03_
PLF5/16-01④	5/16	Rc1/8	7	28.3	21	14.5	18.1	22.7	14	6.0	16	PLF5/16-01_
PLF5/16-02④		Rc1/4	9.5	32.3	25			23.7	17	6.7	23	PLF5/16-02_
PLF5/16-03④		Rc3/8	10.5	34.3	27			24.7	21		33	PLF5/16-03_
PLF3/8-02④	3/8	Rc1/4	9.5	34.3	25.5	17.5	20.2	26	17	8.0	26	PLF3/8-02_
PLF3/8-03④		Rc3/8	10.5	36.8	28			27	21	8.2	36	PLF3/8-03_
PLF3/8-04④		Rc1/2	13	40.3	31.5			27.5	24		46	PLF3/8-04_
PLF1/2-02④	1/2	Rc1/4	9.5	38	27.5	21	23.7	30	17	10.0	31	PLF1/2-02_
PLF1/2-03④		Rc3/8	10.5	39	28.5				21		39	PLF1/2-03_
PLF1/2-04④		Rc1/2	13	42.5	32			31	24	10.9	54	PLF1/2-04_

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

※2. Orifice bore is the smallest passage converted in terms of the diameter.

PAX Branch Elbow

RoHS compliant



Metric thread type

OP. P.754 | 3D CAD | CAD

Unit : mm

Model code	Tube O.D. øD	R	A	B	L	øP	Tube end C	J	E	Hex. H	Orifice bore (ømm)	Weight (g)	CAD file name
PAX4-M5④	4	M5×0.8	2.8 [3]	20	22.2 [22]	10	14.9	10.3	18.2	10	2.4	11	PAX4-M5_[C]
PAX4-M6④		M6×1	3.8	21	22.2						3		PAX4-M6_[C]
PAX4-01④		R1/8	8	23	24						3.9	13	PAX4-01_
PAX4-02④		R1/4	11	27	26				19.2	14		20	PAX4-02_
PAX6-M5④	6	M5×0.8	2.8 [3]	20.5	24 [23.8]	12.5	17	12.5	19.8	10	2.4	12	PAX6-M5_[C]
PAX6-M6④		M6×1	3.8	21.5	24						3	13	PAX6-M6_[C]
PAX6-01④		R1/8	8	23.5	25.8						4.2	15	PAX6-01_
PAX6-02④		R1/4	11	29	29.2				21.8	14	5.3	22	PAX6-02_
PAX6-03④		R3/8	12	31.5	31.4				23.8	17		34	PAX6-03_
PAX8-01④	8	R1/8	8	25	28.3	14.5	18.1	14.5	22.7	12	5.7	20	PAX8-01_
PAX8-02④		R1/4	11	29	30.2				23.7	14	7.3	25	PAX8-02_
PAX8-03④		R3/8	12	32	32.9				24.7	17		37	PAX8-03_
PAX10-01④	10	R1/8	8	25.5	30.3	17.5	20.2	17.5	25	12	6	26	PAX10-01_
PAX10-02④		R1/4	11	29.5	32.2				26	14	8	32	PAX10-02_
PAX10-03④		R3/8	12	32.5	34.9				27	17	9.2	43	PAX10-03_
PAX10-04④		R1/2	15	37	37.6				28	21		66	PAX10-04_
PAX12-02④	12	R1/4	11	29.5	34	21	23.4	21	28.2	14	8	39	PAX12-02_
PAX12-03④		R3/8	12	33.5	37.7				29.2	17	9.7	51	PAX12-03_
PAX12-04④		R1/2	15	38	40.3				30.2	21	10.6	74	PAX12-04_

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

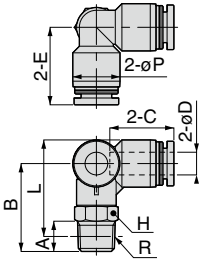
※2. "L" is a reference value for height dimension after tightening taper thread.

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

※4. Orifice bore is the smallest passage converted in terms of the diameter.

PVX Tripod Elbow

RoHS compliant



Metric thread type

OP. P.754 | 3D CAD | CAD

Unit：mm

Model code	Tube O.D. øD	R	A	B	L	øP	Tube end C	E	Hex. H	Orifice bore (ømm)	Weight (g)	CAD file name
PVX4-M5④	4	M5×0.8	2.8 [3]	20.3	22.5 [22.3]	10	14.9	18.2	10	2.4	10	PVX4-M5_[C]
PVX4-M6④		M6×1	3.8	21.3	22.5					3	11	PVX4-M6_[C]
PVX4-01④		R1/8	8	23.3	24.3						13	PVX4-01_
PVX4-02④		R1/4	11	29	28			20.7	14		20	PVX4-02_
PVX6-M5④	6	M5×0.8	2.8 [3]	20.3	23.7 [23.5]	12.5	17	20.5	10	2.4	12	PVX6-M5_[C]
PVX6-M6④		M6×1	3.8	21.3	23.7					3		PVX6-M6_[C]
PVX6-01④		R1/8	8	23.3	25.5					4.6	15	PVX6-01_
PVX6-02④		R1/4	11	28	28.2			21.8	14		22	PVX6-02_
PVX6-03④		R3/8	12	31.5	31.4			23.8	17		33	PVX6-03_
PVX8-01④	8	R1/8	8	25	28.3	14.5	18.1	22.7	12	6	20	PVX8-01_
PVX8-02④		R1/4	11	29	30.2			23.7	14	6.7	25	PVX8-02_
PVX8-03④		R3/8	12	32	32.9			24.7	17		36	PVX8-03_
PVX10-01④	10	R1/8	8	25.9	30.6	17.5	20.2	26	12	6	25	PVX10-01_
PVX10-02④		R1/4	11	29.4	32.1				14	8	31	PVX10-02_
PVX10-03④		R3/8	12	33	35.4			27	17	8.3	42	PVX10-03_
PVX10-04④		R1/2	15	37	37.6			27.5	21		66	PVX10-04_
PVX12-02④	12	R1/4	11	30.8	35.2	21	23.4	30.2	14	8	37	PVX12-02_
PVX12-03④		R3/8	12	33.5	37.7				17	10	49	PVX12-03_
PVX12-04④		R1/2	15	38	40.3			31.2	21	10.3	74	PVX12-04_

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

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

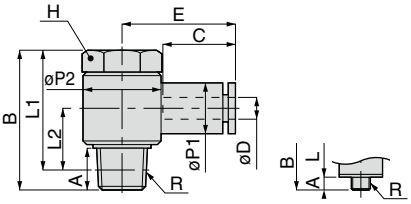
※3. Dimensions in [ ] are for clean-room and clean-wash package products.

※4. Orifice bore is the smallest passage converted in terms of the diameter.

PH Single Banjo

RoHS compliant

OP. P.754 | 3D CAD | CAD



Metric thread type

Unit : mm

Model code	Tube O.D. øD	R	A	B	L1	L2	øP1	øP2	Tube end C	E	Hex. H	Orifice bore (ømm)	Weight (g)	CAD file name
PH4-M5④	4	M5×0.8	3 [3.2]	17.2	14.2 [14]	6.2 [6]	10	9.8	14.9	21.2	8	1.8	7.5	PH4-M5[C]
PH4-M6④		M6×1	3.9 [4]	18.2	14.3 [14.2]	6.3 [6.2]						2.9	7.4	PH4-M6[C]
PH4-01④		R1/8	8	27	23	12		15.4		22.2	14	2.8	21	PH4-01
PH6-M5④	6	M5×0.8	3 [3.2]	17.2	14.2 [14]	7.4 [7.2]	12.5	9.8	17	23.1	8	1.8	8.3	PH6-M5[C]
PH6-M6④		M6×1	3.9 [4]	18.2	14.3 [14.2]	7.5 [7.4]						3		PH6-M6[C]
PH6-01④		R1/8	8	27	23	12		15.4		24.2	14	4.6	22	PH6-01
PH6-02④		R1/4	11	31.5	25.5	13.5		19.6		26.8	17	4.3	36	PH6-02
PH8-01④	8	R1/8	8	27	23	12.3	14.5	15.4	18.1	26.2	14	5.5	23	PH8-01
PH8-02④		R1/4	11	31.5	25.5	13.5		19.6		28.2	17	6	38	PH8-02
PH8-03④		R3/8	12	36	29.7	15.7		24.4		30.2	21		60	PH8-03
PH10-02④	10	R1/4	11	31.5	25.5	15	17.5	19.6	20.2	30.5	17	7.1	41	PH10-02
PH10-03④		R3/8	12	36	29.7	15.7	18	24.4		32.5	21	8	63	PH10-03
PH12-03④	12	R3/8	12	36	29.7	17.2	21	24.4	23.4	35.2	21	9.3	66	PH12-03
PH12-04④		R1/2	13	40.2	32	16.5		30		38.2	24	10	97	PH12-04
PH16-03④	16	R3/8	12	46.1	39.8	21.3	25	28	24.1	36.6	24	13	92	PH16-03
PH16-04④		R1/2	15	48.3	40.1	21.6							105	PH16-04
PH5/32-M5④	5/32	M5×0.8	3 [3.2]	17.2	14.2 [14]	6.2 [6]	10	9.8	14.9	21.2	8	1.8	7.5	PH5_32-M5[C]
PH5/32-01④		R1/8	8	27	23	12		15.4		22.2	14	2.8	21	PH5_32-01
PH3/16-M5④	3/16	M5×0.8	3 [3.2]	17.2	14.2 [14]	7.4 [7.2]	12.5	9.8	17.4	23.5	8	1.8	8.4	PH3_16-M5[C]
PH3/16-01④		R1/8	8	27	23	12		15.4		24.6	14	4	21	PH3_16-01
PH3/16-02④		R1/4	11	31.5	25.5	13.5		19.6		27.2	17		35	PH3_16-02
PH1/4-M5④	1/4	M5×0.8	3 [3.2]	17.2	14.2 [14]	7.4 [7.2]	12.5	9.8	17	23.1	8	1.8	8.1	PH1_4-M5[C]
PH1/4-01④		R1/8	8	27	23	12		15.4		24.2	14	4.6	22	PH1_4-01
PH1/4-02④		R1/4	11	31.5	25.5	13.5		19.6		26.8	17	4.7	36	PH1_4-02
PH5/16-01④	5/16	R1/8	8	27	23	12.3	14.5	15.4	18.1	26.2	14	5.5	23	PH5_16-01
PH5/16-02④		R1/4	11	31.5	25.5	13.5		19.6		28.2	17	6	38	PH5_16-02
PH5/16-03④		R3/8	12	36	29.7	15.7		24.4		30.2	21		60	PH5_16-03
PH3/8-02④	3/8	R1/4	11	31.5	25.5	15	17.5	19.6	20.2	30.5	17	7.1	41	PH3_8-02
PH3/8-03④		R3/8	12	36	29.7	15.7	18	24.4		32.5	21	8	63	PH3_8-03
PH1/2-03④	1/2	R3/8	12	36	29.7	17.2	21	24.4	23.7	35.5	21	9.3	65	PH1_2-03
PH1/2-04④		R1/2	13	40.2	32	16.5		30		38.5	24	10	97	PH1_2-04

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

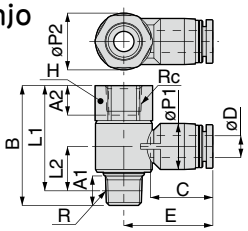
※2. "L1" and "L2" are reference values for height dimensions after tightening taper thread.

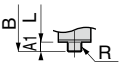
※3. Dimensions in [ ] are for clean-room and clean-wash package products.

※4. Orifice bore is the smallest passage converted in terms of the diameter.

PHF Link-up Banjo

RoHS compliant





Metric thread type

OP. P.754 3D CAD CAD

Unit：mm

形　式	Tube O.D. øD	R&Rc	A1	A2	B	L1	L2	øP1	øP2	Tube end C	E	Hex. H	Orifice bore (ømm)	Weight (g)	CAD file name
PHF4-M5④	4	M5×0.8	2.9 [3.2]	5	20.1	17.2 [16.9]	7.2 [6.9]	9.9	9.8	14.9	19.9	8	1.5	7.9	PHF4-M5[C]
PHF4-01④		R1/8	8	7	32.5	28.5	12	10	15.4		22.2	14	2.8	23	PHF4-01
PHF6-M5④	6	M5×0.8	2.9 [3.2]	5	20.1	17.2 [16.9]	8.4 [8.1]	12.4	9.8	17	24	8	1.5	9	PHF6-M5[C]
PHF6-01④		R1/8	8	7	32.5	28.5	12	12.5	15.4		24.2	14	4.6	24	PHF6-01
PHF6-02④		R1/4	11	9.5	38.5	32.5	13.5		19.6		26.8	17	4.3	38	PHF6-02
PHF8-01④	8	R1/8	8	7	32.5	28.5	12.3	14.5	15.4	18.1	26.2	14	5.5	25	PHF8-01
PHF8-02④		R1/4	11	9.5	38.5	32.5	13.5		19.6		28.2	17	6	39	PHF8-02
PHF8-03④		R3/8	12	10.5	44.5	38.2	15.7		24.4		30.2	21		63	PHF8-03
PHF10-02④	10	R1/4	11	9.5	38.5	32.5	15	17.5	19.6	20.2	30.5	17	7.1	42	PHF10-02
PHF10-03④		R3/8	12	10.5	44.5	38.2	15.7	18	24.4		32.5	21	8	66	PHF10-03
PHF12-03④	12	R3/8	12	10.5	44.5	38.2	17.2	21	24.4	23.4	35.2	21	9.3	69	PHF12-03
PHF12-04④		R1/2	13	13	52.2	44	16.5		30		38.2	24	10	102	PHF12-04
PHF5/32-M5④	5/32	M5×0.8	2.9 [3.2]	5	20.1	17.2 [16.9]	7.2 [6.9]	9.9	9.8	14.9	19.9	8	1.5	7.9	PHF5_32-M5[C]
PHF5/32-01④		R1/8	8	7	32.5	28.5	12	10	15.4		22.2	14	2.8	23	PHF5_32-01
PHF3/16-M5④	3/16	M5×0.8	2.9 [3.2]	5	20.1	17.2 [16.9]	8.4 [8.1]	12.4	9.8	17.4	24.4	8	1.5	8.9	PHF3_16-M5[C]
PHF3/16-01④		R1/8	8	7	32.5	28.5	12	12.5	15.4		24.6	14	4	23	PHF3_16-01
PHF3/16-02④		R1/4	11	9.5	38.5	32.5	13.5		19.6		27.2	17		37	PHF3_16-02
PHF1/4-M5④	1/4	M5×0.8	2.9 [3.2]	5	20.1	17.2 [16.9]	8.4 [8.1]	12.4	9.8	17	24	8	1.5	8.9	PHF1_4-M5[C]
PHF1/4-01④		R1/8	8	7	32.5	28.5	12	12.5	15.4		24.2	14	4.6	24	PHF1_4-01
PHF1/4-02④		R1/4	11	9.5	38.5	32.5	13.5		19.6		26.8	17	4.7	38	PHF1_4-02
PHF5/16-01④	5/16	R1/8	8	7	32.5	28.5	12.3	14.5	15.4	18.1	26.2	14	5.5	25	PHF5_16-01
PHF5/16-02④		R1/4	11	9.5	38.5	32.5	13.5		19.6		28.2	17	6	39	PHF5_16-02
PHF5/16-03④		R3/8	12	10.5	44.5	38.2	15.7		24.4		30.2	21		63	PHF5_16-03
PHF3/8-02④	3/8	R1/4	11	9.5	38.5	32.5	15	17.5	19.6	20.2	30.5	17	7.1	43	PHF3_8-02
PHF3/8-03④		R3/8	12	10.5	44.5	38.2	15.7	18	24.4		32.5	21	8	66	PHF3_8-03
PHF1/2-03④	1/2	R3/8	12	10.5	44.5	38.2	17.2	21	24.4	23.7	35.5	21	9.3	67	PHF1_2-03
PHF1/2-04④		R1/2	13	13	52.2	44	16.5		30		38.5	24	10	102	PHF1_2-04

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

※2. "L1" and "L2" are reference values for height dimensions after tightening taper thread.

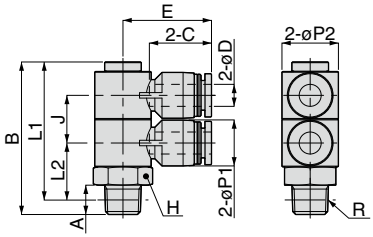
※3. Dimensions in [ ] are for clean-room and clean-wash package products.

※4. Orifice bore is the smallest passage converted in terms of the diameter.

PHW Double Banjo

OP. P.754 | 3D CAD | CAD

RoHS compliant



Unit：mm

Model code	Tube O.D. øD	R	A	B	L1	L2	J	øP1	øP2	Tube end C	E	Hex. H	Orifice bore (ømm)	Weight (g)	CAD file name
PHW4-01④	4	R1/8	8	41.6	37.6	15.5	13	10	15.4	14.9	22.2	14	3	26	PHW4-01
PHW4-02④		R1/4	11	44.6	38.6	16.5								32	PHW4-02
PHW4-03④		R3/8	12	46.6	40.3	18.2						17		46	PHW4-03
PHW6-01④	6	R1/8	8	41.6	37.6	15.5	13	12.5	15.4	17	24.2	14	4.1	28	PHW6-01
PHW6-02④		R1/4	11	44.6	38.6	16.5								34	PHW6-02
PHW6-03④		R3/8	12	46.6	40.3	18.2						17		48	PHW6-03
PHW8-01④	8	R1/8	8	46.6	42.6	17.5	15	14.5	19	18.1	27.7	17	6	44	PHW8-01
PHW8-02④		R1/4	11	49.6	43.6	18.5								47	PHW8-02
PHW8-03④		R3/8	12	50.6	44.3	19.2								54	PHW8-03
PHW8-04④		R1/2	15	55.6	47.4	22.3						22		87	PHW8-04
PHW10-02④	10	R1/4	11	57.6	51.6	22	18	17.5	23	20.2	31.7	22	7.5	80	PHW10-02
PHW10-03④		R3/8	12	58.6	52.3	22.7								83	PHW10-03
PHW10-04④		R1/2	15	61.6	53.4	23.8								100	PHW10-04
PHW12-02④	12	R1/4	11	67.8	61.8	26.8	21.6	21	27	23.4	36.7	27	8.5	137	PHW12-02
PHW12-03④		R3/8	12	68.8	62.5	27.5							10	139	PHW12-03
PHW12-04④		R1/2	15	71.8	63.6	28.6								148	PHW12-04
PHW1/4-01④	1/4	R1/8	8	41.6	37.6	15.5	13	12.5	15.4	17	24.2	14	4.6	28	PHW1_4-01
PHW1/4-02④		R1/4	11	44.6	38.6	16.5								34	PHW1_4-02
PHW1/4-03④		R3/8	12	46.6	40.3	18.2						17		48	PHW1_4-03
PHW5/16-02④	5/16	R1/4	11	49.6	43.6	18.5	15	14.5	19	18.1	27.7	17	6	47	PHW5_16-02
PHW5/16-03④		R3/8	12	50.6	44.3	19.2								54	PHW5_16-03
PHW5/16-04④		R1/2	15	55.6	47.4	22.3						22		87	PHW5_16-04
PHW3/8-02④	3/8	R1/4	11	57.6	51.6	22	18	17.5	23	20.2	31.7	22	7.5	80	PHW3_8-02
PHW3/8-03④		R3/8	12	58.6	52.3	22.7								83	PHW3_8-03
PHW3/8-04④		R1/2	15	61.6	53.4	23.8								100	PHW3_8-04

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

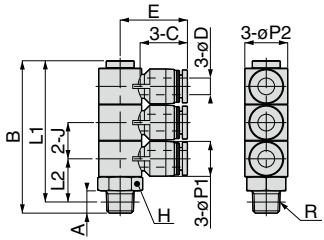
※2. "L1" and "L2" are reference values for height dimensions after tightening thread.

※3. Orifice bore is the smallest passage converted in terms of the diameter.

PHT Triple Banjo

OP. P.754 3D CAD CAD

RoHS compliant



Unit：mm

Model code	Tube O.D. øD	R	A	B	L1	L2	J	øP1	øP2	Tube end C	E	Hex. H	Orifice bore (ømm)	Weight (g)	CAD file name
PHT4-01④	4	R1/8	8	54.7	50.7	15.5	13	10	15.4	14.9	22.2	14	3	33	PHT4-01
PHT4-02④		R1/4	11	57.7	51.7	16.5								39	PHT4-02
PHT4-03④		R3/8	12	59.7	53.4	18.2						17		52	PHT4-03
PHT6-01④	6	R1/8	8	54.7	50.7	15.5	13	12.5	15.4	17	24.2	14	4.1	35	PHT6-01
PHT6-02④		R1/4	11	57.7	51.7	16.5								41	PHT6-02
PHT6-03④		R3/8	12	59.7	53.4	18.2						17		55	PHT6-03
PHT8-01④	8	R1/8	8	61.7	57.7	17.5	15	14.5	19	18.1	27.7	17	6	56	PHT8-01
PHT8-02④		R1/4	11	64.7	58.7	18.5								59	PHT8-02
PHT8-03④		R3/8	12	65.7	59.4	19.2								66	PHT8-03
PHT8-04④		R1/2	15	70.7	62.5	22.3						22		99	PHT8-04
PHT10-02④	10	R1/4	11	75.7	69.7	22	18	17.5	23	20.2	31.7	22	7.5	99	PHT10-02
PHT10-03④		R3/8	12	76.7	70.4	22.7								102	PHT10-03
PHT10-04④		R1/2	15	79.7	71.5	23.8								119	PHT10-04
PHT12-02④	12	R1/4	11	89.5	83.5	26.8	21.6	21	27	23.4	36.7	27	8.5	169	PHT12-02
PHT12-03④		R3/8	12	90.5	84.2	27.5							10	171	PHT12-03
PHT12-04④		R1/2	15	93.5	85.3	28.6								180	PHT12-04
PHT1/4-01④	1/4	R1/8	8	54.7	50.7	15.5	13	12.5	15.4	17	24.2	14	4.6	35	PHT1_4-01
PHT1/4-02④		R1/4	11	57.7	51.7	16.5								41	PHT1_4-02
PHT1/4-03④		R3/8	12	59.7	53.4	18.2						17		55	PHT1_4-03
PHT5/16-02④	5/16	R1/4	11	64.7	58.7	18.5	15	14.5	19	18.1	27.7	17	6	59	PHT5_16-02
PHT5/16-03④		R3/8	12	65.7	59.4	19.2								66	PHT5_16-03
PHT5/16-04④		R1/2	15	70.7	62.5	22.3						22		99	PHT5_16-04
PHT3/8-02④	3/8	R1/4	11	75.7	69.7	22	18	17.5	23	20.2	31.7	22	7.5	100	PHT3_8-02
PHT3/8-03④		R3/8	12	76.7	70.4	22.7								103	PHT3_8-03
PHT3/8-04④		R1/2	15	79.7	71.5	23.8								119	PHT3_8-04

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

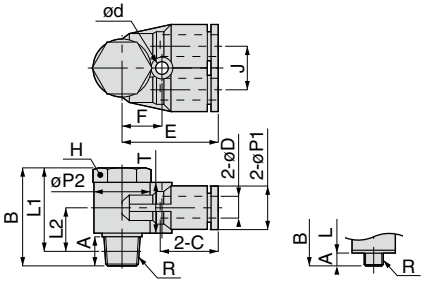
※2. "L1" and "L2" are reference values for height dimensions after tightening thread.

※3. Orifice bore is the smallest passage converted in terms of the diameter.

PA Twin Banjo

RoHS compliant

OP. P.754 | 3D CAD | CAD



Metric thread type

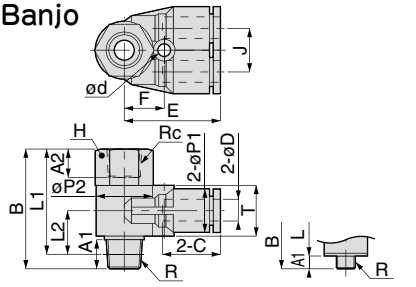
Unit : mm

Model code	Tube O.D. øD	R	A	B	L1	L2	øP1	øP2	Tube end C	J	E	ød	F	T	Hex. H	Orifice bore (ømm)	Weight (g)	CAD file name
PA4-M5④	4	M5×0.8	3 [3.2]	17.2	14.2 [14]	6.2 [6]	10	9.8	14.9	10	20.2	–	–	-	8	1.8	9.6	PA4-M5[C]
PA6-01④	6	R1/8	8	27	23	12	12.4	15.4	17	12	26.2	3.2	10.7	14	14	4.2	25	PA6-01
PA8-02④	8	R1/4	11	31.5	25.5	13.5	14.4	19	18.2	14	29.4	3.2	12.5	15	17	6	42	PA8-02
PA10-03④	10	R3/8	12	36	29.7	15.7	17.6	23	20.7	17	33.5	4.2	15	18	21	8	70	PA10-03
PA12-04④	12	R1/2	13	40.2	32	16.5	21	27	23.4	20	37.4	4.2	17	21	24	10	106	PA12-04

PAF Link-up Twin Banjo

RoHS compliant

OP. P.754 | 3D CAD | CAD



Metric thread type

Unit : mm

Model code	Tube O.D. øD	R&Rc	A1	A2	B	L1	L2	øP1	øP2	Tube end C	J	E	ød	F	T	Hex. H	Orifice bore (ømm)	Weight (g)	CAD file name
PAF4-M5④	4	M5×0.8	3 [3.2]	5	20.2	17.2 [17]	6.2 [6]	10	9.8	14.9	10	20.2	–	–	-	8	1.8	11	PAF4-M5[C]
PAF6-01④	6	R1/8	8	7	32.5	28.5	12	12.4	15.4	17	12	26.2	3.2	10.7	14	14	4.2	27	PAF6-01
PAF8-02④	8	R1/4	11	9.5	38.5	32.5	13.5	14.4	19	18.2	14	29.4	3.2	12.5	15	17	6	44	PAF8-02
PAF10-03④	10	R3/8	12	10.5	44.5	38.2	15.7	17.6	23	20.7	17	33.5	4.2	15	18	21	8	73	PAF10-03
PAF12-03④	12	R3/8	12	10.5	51.2	44.9	17.4	21	27	23.4	20	37.4	4.2	17	21	24	9.3	123	PAF12-03
PAF12-04④		R1/2	13	13	52.2	44	16.5										10	111	PAF12-04

Common caution in this page

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

※2. "L1" and "L2" are reference values for height dimensions after tightening taper thread.

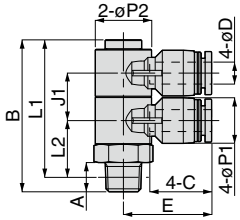
※3. Dimensions in [ ] are for clean-room and clean-wash package products.

※4. Orifice bore is the smallest passage converted in terms of the diameter.

PAW Double Twin Banjo

OP. P.754 3D CAD CAD

RoHS compliant



Unit：mm

Model code	Tube O.D. øD	R	A	B	L1	L2	J1	J2	øP1	øP2	Tube end C	E	Hex. H	Orifice bore (ømm)	Weight (g)	CAD file name
PAW4-01④	4	R1/8	8	41.6	37.6	15.5	13	10	10	15.4	14.9	22.2	14	3	31	PAW4-01
PAW4-02④		R1/4	11	44.6	38.6	16.5									37	PAW4-02
PAW4-03④		R3/8	12	46.6	40.3	18.2							17		51	PAW4-03
PAW6-01④	6	R1/8	8	41.6	37.6	15.5	13	12	12.5	15.4	17	24.2	14	3.7	35	PAW6-01
PAW6-02④		R1/4	11	44.6	38.6	16.5									40	PAW6-02
PAW6-03④		R3/8	12	46.6	40.3	18.2							17		54	PAW6-03
PAW8-01④	8	R1/8	8	46.6	42.6	17.5	15	14	14.5	19	18.1	27.7	17	6	54	PAW8-01
PAW8-02④		R1/4	11	49.6	43.6	18.5									56	PAW8-02
PAW8-03④		R3/8	12	50.6	44.3	19.2									64	PAW8-03
PAW8-04④		R1/2	15	55.6	47.4	22.3							22		96	PAW8-04
PAW10-02④	10	R1/4	11	57.6	51.6	22	18	17	17.5	23	20.2	31.7	22	7.5	95	PAW10-02
PAW10-03④		R3/8	12	58.6	52.3	22.7									98	PAW10-03
PAW10-04④		R1/2	15	61.6	53.4	23.8									115	PAW10-04
PAW12-02④	12	R1/4	11	67.8	61.8	26.8	21.6	20	21	27	23.4	36.7	27	8.5	160	PAW12-02
PAW12-03④		R3/8	12	68.8	62.5	27.5								9.7	162	PAW12-03
PAW12-04④		R1/2	15	71.8	63.6	28.6									171	PAW12-04
PAW1/4-01④	1/4	R1/8	8	41.6	37.6	15.5	13	12	12.5	15.4	17	24.2	14	4.1	34	PAW1_4-01
PAW1/4-02④		R1/4	11	44.6	38.6	16.5									40	PAW1_4-02
PAW1/4-03④		R3/8	12	46.6	40.3	18.2							17		54	PAW1_4-03
PAW5/16-02④	5/16	R1/4	11	49.6	43.6	18.5	15	14	14.5	19	18.1	27.7	17	6	56	PAW5_16-02
PAW5/16-03④		R3/8	12	50.6	44.3	19.2									64	PAW5_16-03
PAW5/16-04④		R1/2	15	55.6	47.4	22.3							22		96	PAW5_16-04
PAW3/8-02④	3/8	R1/4	11	57.6	51.6	22	18	17	17.5	23	20.2	31.7	22	7.5	96	PAW3_8-02
PAW3/8-03④		R3/8	12	58.6	52.3	22.7									99	PAW3_8-03
PAW3/8-04④		R1/2	15	61.6	53.4	23.8									116	PAW3_8-04

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

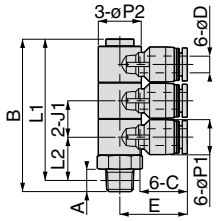
※2. "L1" and "L2" are reference values for height dimensions after tightening thread.

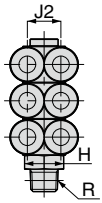
※3. Orifice bore is the smallest passage converted in terms of the diameter.

PAT Triple Twin Banjo

OP. P.754 | 3D CAD | CAD

RoHS compliant





Unit：mm

Model code	Tube O.D. øD	R	A	B	L1	L2	J1	J2	øP1	øP2	Tube end C	E	Hex. H	Orifice bore (ømm)	Weight (g)	CAD file name
PAT4-01④	4	R1/8	8	54.7	50.7	15.5	13	10	10	15.4	14.9	22.2	14	3	40	PAT4-01
PAT4-02④		R1/4	11	57.7	51.7	16.5									46	PAT4-02
PAT4-03④		R3/8	12	59.7	53.4	18.2							17		60	PAT4-03
PAT6-01④	6	R1/8	8	54.7	50.7	15.5	13	12	12.5	15.4	17	24.2	14	3.7	45	PAT6-01
PAT6-02④		R1/4	11	57.7	51.7	16.5									51	PAT6-02
PAT6-03④		R3/8	12	59.7	53.4	18.2							17		65	PAT6-03
PAT8-01④	8	R1/8	8	61.7	57.7	17.5	15	14	14.5	19	18.1	27.7	17	6	71	PAT8-01
PAT8-02④		R1/4	11	64.7	58.7	18.5									73	PAT8-02
PAT8-03④		R3/8	12	65.7	59.4	19.2									81	PAT8-03
PAT8-04④		R1/2	15	70.7	62.5	22.3							22		113	PAT8-04
PAT10-02④	10	R1/4	11	75.7	69.7	22	18	17	17.5	23	20.2	31.7	22	7.5	122	PAT10-02
PAT10-03④		R3/8	12	76.7	70.4	22.7									126	PAT10-03
PAT10-04④		R1/2	15	79.7	71.5	23.8									142	PAT10-04
PAT12-02④	12	R1/4	11	89.5	83.5	26.8	21.6	20	21	27	23.4	36.7	27	8.5	203	PAT12-02
PAT12-03④		R3/8	12	90.5	84.2	27.5								9.7	205	PAT12-03
PAT12-04④		R1/2	15	93.5	85.3	28.6									214	PAT12-04
PAT1/4-01④	1/4	R1/8	8	54.7	50.7	15.5	13	12	12.5	15.4	17	24.2	14	4.1	45	PAT1_4-01
PAT1/4-02④		R1/4	11	57.7	51.7	16.5									50	PAT1_4-02
PAT1/4-03④		R3/8	12	59.7	53.4	18.2							17		64	PAT1_4-03
PAT5/16-02④	5/16	R1/4	11	64.7	58.7	18.5	15	14	14.5	19	18.1	27.7	17	6	73	PAT5_16-02
PAT5/16-03④		R3/8	12	65.7	59.4	19.2									81	PAT5_16-03
PAT5/16-04④		R1/2	15	70.7	62.5	22.3							22		113	PAT5_16-04
PAT3/8-02④	3/8	R1/4	11	75.7	69.7	22	18	17	17.5	23	20.2	31.7	22	7.5	124	PAT3_8-02
PAT3/8-03④		R3/8	12	76.7	70.4	22.7									125	PAT3_8-03
PAT3/8-04④		R1/2	15	79.7	71.5	23.8									143	PAT3_8-04

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

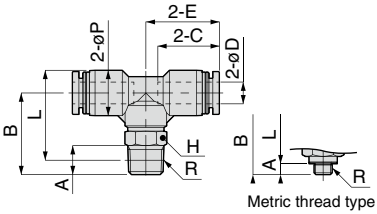
※2. "L1" and "L2" are reference values for height dimensions after tightening thread.

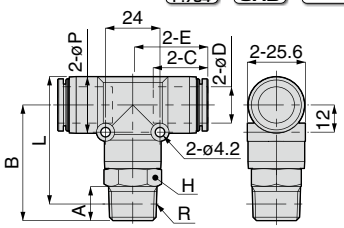
※3. Orifice bore is the smallest passage converted in terms of the diameter.

PB Branch Tee

OP. P.754 | 3D CAD | CAD

RoHS compliant





Unit：mm

Model code	Tube O.D. øD	R	A	B	L	øP	Tube end C	E	Hex. H	Orifice bore (ømm)	Weight (g)	CAD file name
PB4-M5④	4	M5×0.8	2.8 [3]	16	18.2 [18]	10	14.9	17.7	8	2.4	8	PB4-M5_[C]
PB4-M6④		M6×1	3.8	20	21.2			18.7	10	2.8	11	PB4-M6_[C]
PB4-01④		R1/8	8	22	23					2.8	13	PB4-01_
PB4-02④		R1/4	11	29	28			20.7	14		20	PB4-02_
PB6-M5④	6	M5×0.8	2.8 [3]	19.5	23 [22.8]	12.5	17	20.25	10	2.4	12	PB6-M5_[C]
PB6-M6④		M6×1	3.8	20.5	23					3	13	PB6-M6_[C]
PB6-01④		R1/8	8	22.5	24.8					4.2	14	PB6-01_
PB6-02④		R1/4	11	28	28.2			21.75	14	4.3	22	PB6-02_
PB6-03④		R3/8	12	31.5	31.4			23.75	17		33	PB6-03_
PB8-01④*	8	R1/8	8	24	27.3	14.5	18.1	22.7	12	6	19	PB8-01_
PB8-02④*		R1/4	11	28	29.2			23.7	14	6.7	25	PB8-02_
PB8-03④*		R3/8	12	31	31.9			24.7	17		35	PB8-03_
PB10-01④	10	R1/8	8	25	29.8	17.5	20.2	25.5	12	6	25	PB10-01_
PB10-02④*		R1/4	11	28.5	31.2			26	14	8	31	PB10-02_
PB10-03④*		R3/8	12	32	34.4			27	17	8.3	42	PB10-03_
PB10-04④		R1/2	15	36	36.6			27.5	21		65	PB10-04_
PB12-02④	12	R1/4	11	29.8	34.2	21	23.4	28.95	14	8	38	PB12-02_
PB12-03④		R3/8	12	32.5	36.7			29.7	17	10	48	PB12-03_
PB12-04④		R1/2	15	36.5	38.8			30.7	21	10.3	72	PB12-04_
PB16-03④	16	R3/8	11	47	53.2	25	24.1	33.1	22	11	89	PB16-03_
PB16-04④		R1/2	15	51	55.3					13	93	PB16-04_

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

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

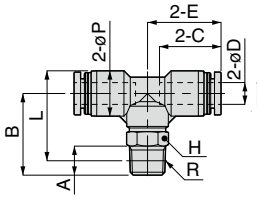
※3. Space saving types are available for model codes with * mark. See page 762.

※4. Dimensions in [ ] are for clean-room and clean-wash package products

※5. Orifice bore is the smallest passage converted in terms of the diameter.

Brach Tee (Inch size)

OP. P.754 3D CAD CAD



Unit：mm

Model code	Tube O.D. øD	R	A	B	L	øP	Tube end C	E	Hex. H	Orifice bore (ømm)	Weight (g)	CAD file name
PB5/32-01④	5/32	R1/8	8	22	23	10	14.9	18.7	10	2.8	13	PB5_32-01_
PB5/32-02④		R1/4	11	29	28			20.7	14		20	PB5_32-02_
PB3/16-01④	3/16	R1/8	8	22.5	24.8	12.5	17.4	20.65	10	3.3	15	PB3_16-01_
PB3/16-02④		R1/4	11	28	28.2			22.15	14		22	PB3_16-02_
PB1/4-01④	1/4	R1/8	8	22.5	24.8	12.5	17	20.25	10	4.6	14	PB1_4-01_
PB1/4-02④		R1/4	11	28	28.2			21.75	14	5.3	22	PB1_4-02_
PB1/4-03④		R3/8	12	31.5	31.4			23.75	17		33	PB1_4-03_
PB5/16-01④	5/16	R1/8	8	24	27.3	14.5	18.1	22.7	12	6	19	PB5_16-01_
PB5/16-02④		R1/4	11	28	29.2			23.7	14	6.7	25	PB5_16-02_
PB5/16-03④		R3/8	12	31	31.9			24.7	17		35	PB5_16-03_
PB3/8-01④	3/8	R1/8	8	25	29.8	17.5	20.2	25.5	12	6	25	PB3_8-01_
PB3/8-02④		R1/4	11	28.5	31.2			26	14	8	31	PB3_8-02_
PB3/8-03④		R3/8	12	32	34.4			27	17	8.2	42	PB3_8-03_
PB3/8-04④		R1/2	15	36	36.6			27.5	21		65	PB3_8-04_
PB1/2-02④	1/2	R1/4	11	29.8	34.2	21	23.7	29.25	14	8	36	PB1_2-02_
PB1/2-03④		R3/8	12	32.5	36.7			30	17	10	46	PB1_2-03_
PB1/2-04④		R1/2	15	36.5	38.8			31	21	10.9	71	PB1_2-04_

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

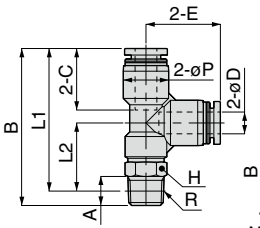
※2. "L" is a reference value for height dimension after tightening taper thread.

※3. Orifice bore is the smallest passage converted in terms of the diameter.

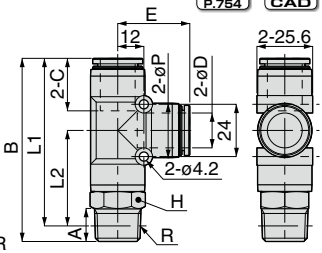
PD Run Tee

OP. P.754 3D CAD CAD

RoHS compliant



Metric thread type



ø16mm type

Unit：mm

Model code	Tube O.D. øD	R	A	B	L1	L2	øP	Tube end C	E	Hex. H	Orifice bore (ømm)	Weight (g)	CAD file name
PD4-M5④	4	M5×0.8	2.8 [3]	33.7	30.9 [30.7]	13.7 [13.5]	10	14.9	17.2	8	2.4	7.8	PD4-M5_[C]
PD4-M6④		M6×1	3.8	38.2	34.4	17.2				10	2.8	11	PD4-M6_[C]
PD4-01④		R1/8	8	40.2	36.2	19					2.8	13	PD4-01_
PD4-02④		R1/4	11	46.2	40.2	23			19.2	14		20	PD4-02_
PD6-M5④	6	M5×0.8	2.8 [3]	40.3	37.5 [37.3]	17 [16.8]	12.5	17	20.5	10	2.4	12	PD6-M5_[C]
PD6-M6④		M6×1	3.8	41.3	37.5	17					3		PD6-M6_[C]
PD6-01④		R1/8	8	43.3	39.3	18.8					4.3	14	PD6-01_
PD6-02④		R1/4	11	48.8	42.7	22.2				14		22	PD6-02_
PD6-03④		R3/8	12	52	45.7	25.2			21.5	17		32	PD6-03_
PD8-01④*	8	R1/8	8	46.9	42.9	20	14.5	18.1	22.9	12	6	19	PD8-01_
PD8-02④*		R1/4	11	51.7	45.7	22.8				14	6.7	25	PD8-02_
PD8-03④*		R3/8	12	55.4	49.1	26.2				17		35	PD8-03_
PD10-01④	10	R1/8	8	51.2	47.2	21	17.5	20.2	25.5	12	6	25	PD10-01_
PD10-02④*		R1/4	11	54.7	48.7	22.5			26.2	14	8	31	PD10-02_
PD10-03④*		R3/8	12	58.2	51.9	25.7				17	8.3	42	PD10-03_
PD10-04④		R1/2	15	62.2	54	27.8			27.3	21		65	PD10-04_
PD12-02④	12	R1/4	11	60.3	54.2	23.7	21	23.4	30	14	8	38	PD12-02_
PD12-03④		R3/8	12	63.5	57.2	26.7			30.5	17	10	48	PD12-03_
PD12-04④		R1/2	15	67.5	59.3	28.8			30.7	21	10.3	72	PD12-04_
PD16-03④	16	R3/8	11	80.1	73.8	40.7	25	24.1	33.1	22	11	89	PD16-03_
PD16-04④		R1/2	15	84.1	75.9	42.8					13	93	PD16-04_

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

※2. "L1" and "L2" are reference values for height dimensions after tightening taper thread.

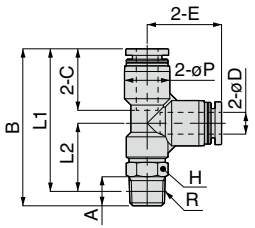
※3. Space saving types are available for model codes with * mark. See page 762.

※4. Dimensions in [ ] are for clean-room and clean-wash package products

※5. Orifice bore is the smallest passage converted in terms of the diameter.

Run Tee (Inch size)

OP. P.754 | 3D CAD | CAD



Unit：mm

Model code	Tube O.D. øD	R	A	B	L1	L2	øP	Tube end C	E	Hex. H	Orifice bore (ømm)	Weight (g)	CAD file name
PD5/32-01④	5/32	R1/8	8	40.2	36.2	19	10	14.9	17.2	10	2.8	13	PD5_32-01_
PD5/32-02④		R1/4	11	46.2	40.2	23			19.2	14		20	PD5_32-02_
PD3/16-01④	3/16	R1/8	8	43.7	39.7	18.8	12.5	17.4	20.9	10	3.3	15	PD3_16-01_
PD3/16-02④		R1/4	11	49.2	43.1	22.2				14		22	PD3_16-02_
PD1/4-01④	1/4	R1/8	8	43.3	39.3	18.8	12.5	17	20.5	10	4.6	14	PD1_4-01_
PD1/4-02④		R1/4	11	48.8	42.7	22.2				14	5.3	22	PD1_4-02_
PD1/4-03④		R3/8	12	52	45.7	25.2			21.5	17		32	PD1_4-03_
PD5/16-01④	5/16	R1/8	8	46.9	42.9	20	14.5	18.1	22.9	12	6	19	PD5_16-01_
PD5/16-02④		R1/4	11	51.7	45.7	22.8				14	6.7	25	PD5_16-02_
PD5/16-03④		R3/8	12	55.4	49.1	26.2				17		35	PD5_16-03_
PD3/8-01④	3/8	R1/8	8	51.2	47.2	21	17.5	20.2	25.5	12	6	25	PD3_8-01_
PD3/8-02④		R1/4	11	54.7	48.7	22.5			26.2	14	8	31	PD3_8-02_
PD3/8-03④		R3/8	12	58.2	51.9	25.7				17	8.2	42	PD3_8-03_
PD3/8-04④		R1/2	15	62.2	54	27.8			27.3	21		65	PD3_8-04_
PD1/2-02④	1/2	R1/4	11	60.6	54.5	23.7	21	23.7	30.3	14	8	37	PD1_2-02_
PD1/2-03④		R3/8	12	63.8	57.5	26.7			30.8	17	10	47	PD1_2-03_
PD1/2-04④		R1/2	15	67.8	59.6	28.8			31	21	10.9	71	PD1_2-04_

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

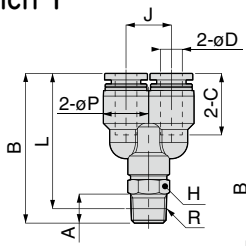
※2. "L1" and "L2" are reference values for height dimensions after tightening taper thread.

※3. Orifice bore is the smallest passage converted in terms of the diameter.

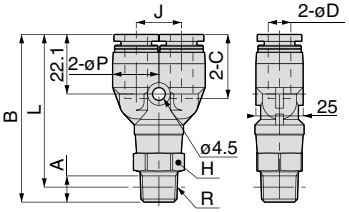
PX Branch Y

OP. P.754 | 3D CAD | CAD

RoHS compliant



Metric thread type



ø16mm type

Unit：mm

Model code	Tube O.D. øD	R	A	B	L	øP	Tube end C	J	Hex. H	Orifice bore (ømm)	Weight (g)	CAD file name
PX4-M5④	4	M5×0.8	2.8 [3]	32.9	30.1 [29.9]	10	14.9	10.3	8	2.4	8	PX4-M5_[C]
PX4-M6④		M6×1	3.8	36.4	32.6				10	3	11	PX4-M6_[C]
PX4-01④		R1/8	8	38.4	34.4					3.1	13	PX4-01_
PX4-02④		R1/4	11	43.4	37.4				14	3.3	20	PX4-02_
PX6-M5④	6	M5×0.8	2.8 [3]	38.3	35.5 [35.3]	12.5	17	12.5	10	2.4	13	PX6-M5_[C]
PX6-M6④		M6×1	3.8	39.3	35.5					3		PX6-M6_[C]
PX6-01④		R1/8	8	41.3	37.3					4.2	15	PX6-01_
PX6-02④		R1/4	11	48.3	42.2				14	4.8	22	PX6-02_
PX6-03④		R3/8	12	51.3	44.9				17		33	PX6-03_
PX8-01④	8	R1/8	8	46.1	42.1	14.5	18.1	14.5	12	5.9	20	PX8-01_
PX8-02④		R1/4	11	49.3	43.3				14	6.2	25	PX8-02_
PX8-03④		R3/8	12	52.5	46.2				17	6.6	36	PX8-03_
PX10-01④	10	R1/8	8	49.8	45.8	17.5	20.2	17.5	12	6	27	PX10-01_
PX10-02④		R1/4	11	53.6	47.6				14	7.2	32	PX10-02_
PX10-03④		R3/8	12	56.7	50.4				17	7.4	43	PX10-03_
PX10-04④		R1/2	15	60.2	52				21	7.8	66	PX10-04_
PX12-02④	12	R1/4	11	58.6	52.6	21	23.4	21	14	7.5	40	PX12-02_
PX12-03④		R3/8	12	60.6	54.3				17	8.4	51	PX12-03_
PX12-04④		R1/2	15	64.7	56.5				21	8.3	74	PX12-04_
PX16-03④	16	R3/8	11	76.1	69.8	25	24.1	24	22	11	89	PX16-03_
PX16-04④		R1/2	15	80.1	71.9					12.7	93	PX16-04_
PX5/32-01④	5/32	R1/8	8	38.4	34.4	10	14.9	10.3	10	3.1	13	PX5_32-01_
PX5/32-02④		R1/4	11	43.4	37.4				14	3.3	20	PX5_32-02_
PX3/16-01④	3/16	R1/8	8	41.7	37.7	12.5	17.4	12.5	10	4.2	15	PX3_16-01_
PX3/16-02④		R1/4	11	48.7	42.6				14	5.1	23	PX3_16-02_
PX1/4-01④	1/4	R1/8	8	41.3	37.3	12.5	17	12.5	10	4.2	15	PX1_4-01_
PX1/4-02④		R1/4	11	48.3	42.2				14	5.2	22	PX1_4-02_
PX1/4-03④		R3/8	12	51.3	44.9				17	5.5	33	PX1_4-03_
PX5/16-01④	5/16	R1/8	8	46.1	42.1	14.5	18.1	14.5	12	5.9	20	PX5_16-01_
PX5/16-02④		R1/4	11	49.3	43.3				14	6.2	25	PX5_16-02_
PX5/16-03④		R3/8	12	52.5	46.2				17	6.6	36	PX5_16-03_
PX3/8-01④	3/8	R1/8	8	49.8	45.8	17.5	20.2	17.5	12	6	27	PX3_8-01_
PX3/8-02④		R1/4	11	53.6	47.6				14	7.2	33	PX3_8-02_
PX3/8-03④		R3/8	12	56.7	50.4				17	7.4	44	PX3_8-03_
PX3/8-04④		R1/2	15	60.2	52				21	7.8	67	PX3_8-04_
PX1/2-02④	1/2	R1/4	11	58.9	52.9	21	23.7	21	14	7.5	39	PX1_2-02_
PX1/2-03④		R3/8	12	60.9	54.6				17	8.4	51	PX1_2-03_
PX1/2-04④		R1/2	15	65	56.8				21		74	PX1_2-04_

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

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

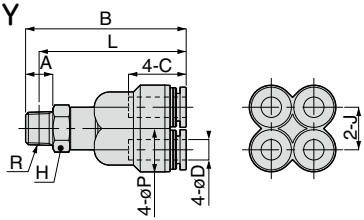
※3. Dimensions in [ ] are for clean-room and clean-wash package products.

※4. Orifice bore is the smallest passage converted in terms of the diameter.

OP. P.000 Page for special specifications | 3D CAD 3D CAD data is available at PISCO website. | CAD CAD data is available at PISCO website.

PRX Double Branch Y

RoHS compliant



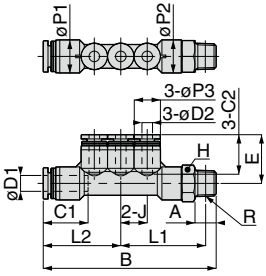
OP. P.754 | 3D CAD | CAD

Unit : mm

Model code	Tube O.D. øD	R	A	B	L	øP	Tube end C	J	Hex. H	Orifice bore (ømm)	Weight (g)	CAD file name
PRX4-01④	4	R1/8	8	38.9	34.9	10.5	14.9	10.3	12	2.6	16	PRX4-01_
PRX4-02④		R1/4	11	42.4	36.4				14		21	PRX4-02_
PRX6-01④	6	R1/8	8	47.2	43.2	13	17	12.5	12	5.2	25	PRX6-01_

PKD Triple Run Tee

RoHS compliant



OP. P.754 | 3D CAD | CAD

Unit : mm

Model code	Tube O.D. øD1	Tube O.D. øD2	R	A	B	E	L1	L2	J	øP1	øP2	øP3	Tube end C1	Tube end C2	Hex. H	Orifice bore (ømm)	Weight (g)	CAD file name
PKD6-4-01④	6	4	R1/8	8	65.4	18.4	32.1	29.3	10	12.5	12.5	10	17	14.9	12	3	21	PKD6-4-01_
PKD8-4-02④	8	4	R1/4	11	69.2	19.2	32	31.2	10	14.5	14.5	10	18.1	14.9	14	3	28	PKD8-4-02_
PKD8-6-02④		6			76.9	21.3	36.5	34.4	12.5			12.5		17		4.6	35	PKD8-6-02_
PKD10-8-03④	10	8	R3/8	12	87.8	23.7	41.5	40	14.5	17.5	18	14.5	20.2	18.1	17	6.7	50	PKD10-8-03_

Common caution in this page

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

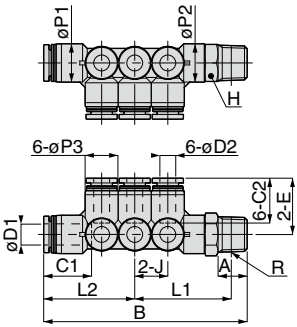
※2. "L" and "L1" are reference values for height dimensions after tightening thread.

※3. Orifice bore is the smallest passage converted in terms of the diameter.

OP. P.000 Page for special specifications | 3D CAD 3D CAD data is available at PISCO website. | CAD CAD data is available at PISCO website.

PKVD Twin Triple Run Tee

RoHS compliant



OP. P.754 | 3D CAD | CAD

Unit：mm

Model code	Tube O.D. øD1	Tube O.D. øD2	R	A	B	E	L1	L2	J	øP1	øP2	øP3	Tube end C1	Tube end C2	Hex. H	Orifice bore (ømm)	Weight (g)	CAD file name
PKVD8-4-02④	8	4	R1/4	11	69.2	19.2	32	31.2	10	14.5	14.5	10	18.1	14.9	14	3	32	PKVD8-4-02_
PKVD8-4-03④			R3/8	12	72.2		34.7				18				17		46	PKVD8-4-03_
PKVD8-6-02④		6	R1/4	11	76.9	21.3	36.5	34.4	12.5		14.5	12.5		17	14	4.6	41	PKVD8-6-02_
PKVD8-6-03④			R3/8	12	80.7		39.9				18				17		52	PKVD8-6-03_
PKVD10-6-03④	10	6	R3/8	12	81.5	22.3	38.2	37	12.5	17.5	18	12.5	20.2	17	17	4.6	56	PKVD10-6-03_
PKVD10-6-04④			R1/2	15	85.5		40.3				20				21		78	PKVD10-6-04_
PKVD10-8-03④		8	R3/8	12	87.8	23.7	41.5	40	14.5		18	14.5		18.1	17	6.7	65	PKVD10-8-03_
PKVD10-8-04④			R1/2	15	91.8		43.6				20				21		87	PKVD10-8-04_

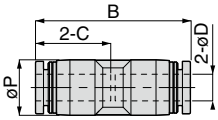
※1. ④ in Model code / Replaced with "W" for Light-gray color, "-C" for Clean-room package, "W-C" for Light-gray color and Clean-room packge, "-UC" for Clean-wash and Clean-room package

※2. "L1" is a reference value for height dimension after tightening thread.

※3. Orifice bore is the smallest passage converted in terms of the diameter.

PU Union Straight

RoHS compliant



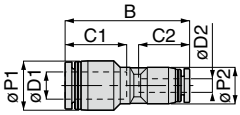
OP. P.754 | 3D CAD | CAD

Unit：mm

Model code	Tube O.D. øD	B	øP	Tube end C	Orifice bore (ømm)	Weight (g)	CAD file name
PU4④	4	30.8	10	14.9	2.8	4.7	PU4
PU6④	6	34.9	12.5	17	4.3	6.5	PU6
PU8④	8	37.8	14.5	18.1	7	9.4	PU8
PU10④	10	41.4	17.5	20.2	9	16	PU10
PU12④	12	47.8	21	23.4	11	22	PU12
PU16④	16	49.4	25	24.1	13	26	PU16
PU5/32④	5/32	30.8	10	14.9	2.8	4.7	PU5_32
PU3/16④	3/16	35.7	12.5	17.4	3.3	6.7	PU3_16
PU1/4④	1/4	34.9	12.5	17	5	6.4	PU1_4
PU5/16④	5/16	37.8	14.5	18.1	7	9.4	PU5_16
PU3/8④	3/8	41.4	17.5	20.2	9	16	PU3_8
PU1/2④	1/2	48.4	21	23.7	11	21	PU1_2
PU5/8④	5/8	49.4	25	24.1	13	26	PU5_8

PG Unequal Union Straight

RoHS compliant



OP. P.754 | 3D CAD | CAD

Unit：mm

Model code	Tube O.D. øD1	Tube O.D. øD2	B	øP1	øP2	Tube end C1	Tube end C2	Orifice bore (ømm)	Weight (g)	CAD file name
PG6-4④	6	4	34.4	12.5	12.5	17	14.9	2.8	6.4	PG6-4
PG8-4④	8	4	36.6	14.5	10.7	18.1	14.9	2.8	7.2	PG8-4
PG8-6④		6	37.9		14.5		17	4.3	8.8	PG8-6
PG10-6④	10	6	39.8	17.5	13	20.2	17	4.3	12	PG10-6
PG10-8④		8	41.1		17.5		18.1	6.5	14	PG10-8
PG12-8④	12	8	44	21	14.5	23.4	18.1	6.2	16	PG12-8
PG12-10④		10	47.6		21		20.2	9	21	PG12-10
PG12-3/8④		3/8	47.6							PG12-3_8
PG16-10④	16	10	52.1	25	25	24.1	20.7	8.4	35	PG16-10
PG16-12④		12	49.5				23.4	10	27	PG16-12
PG3/16-5/32④	3/16	5/32	34.8	12.5	12.5	17.4	14.9	2.8	6.4	PG3_16-5_32
PG1/4-5/32④	1/4	5/32	34.4	12.5	12.5	17	14.9	2.8	6.3	PG1_4-5_32
PG1/4-4④		4								PG1_4-4
PG1/4-3/16④		3/16	35.3				17.4	3.3	6.5	PG1_4-3_16
PG5/16-3/16④	5/16	3/16	38.3	14.5	14.5	18.1	17.4	3.3	8.8	PG5_16-3_16
PG5/16-1/4④		1/4	37.9				17	5	8.7	PG5_16-1_4
PG3/8-1/4④	3/8	1/4	39.8	17.5	13	20.2	17	4.3	12	PG3_8-1_4
PG3/8-5/16④		5/16	41.1		17.5		18.1	6.5	15	PG3_8-5_16
PG1/2-1/4④	1/2	1/4	44.4	21	14.5	23.7	17	4.3	15	PG1_2-1_4
PG1/2-5/16④		5/16	44.3				18.1	6.2	16	PG1_2-5_16
PG1/2-3/8④		3/8	47.9		21		20.2	9	21	PG1_2-3_8
PG5/8-1/2④	5/8	1/2	49.8	25	25	24.1	23.7	10.7	26	PG5_8-1_2

Common caution in this page

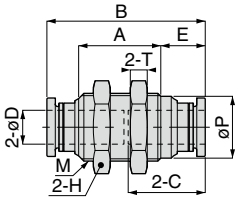
※1. ④ in Model code / Replaced with "W" for Light-gray color, "-C" for Clean-room package, "W-C" for Light-gray color and Clean-room packge, "-UC" for Clean-wash and Clean-room package

※2. Orifice bore is the smallest passage converted in terms of the diameter.

OP. P.000 Page for special specifications | 3D CAD 3D CAD data is available at PISCO website. | CAD CAD data is available at PISCO website.

PM Bulkhead Union

RoHS compliant



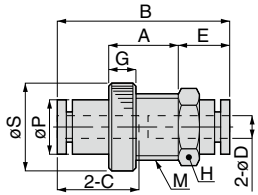
OP. P.754 3D CAD CAD

Unit：mm

Model code	Tube O.D. øD	M	B	E	A	øP	Tube end C	Hex. H	T	Orifice bore (ømm)	Weight (g)	CAD file name
PM4④	4	M12×1	30.8	9.5	14.8	10.8	14.9	14	4	3	11	PM4_
PM6④	6	M14×1	34.9	9.5	19	12.5	17	17	4	5	16	PM6_
PM8④	8	M16×1	37.4	10.5	19.4	14.6	18.2	19	4	7	19	PM8_
PM10④	10	M20×1	42.4	11.9	21.6	18.5	20.7	24	5	9	35	PM10_
PM12④	12	M22×1	47.6	13.2	24.2	20.4	23.3	27	6	11	52	PM12_
PM16④	16	M28×1.5	50.6	13.2	27.2	25.5	24.8	32	6	15	73	PM16_
PM5/32④	5/32	M12×1	30.8	9.5	14.8	10.8	14.9	14	4	3	10	PM5_32_
PM3/16④	3/16	M14×1	35.7	9.9	19	12.5	17.4	17	4	4	16	PM3_16_
PM1/4④	1/4	M14×1	34.9	9.5	19	12.5	17	17	4	5.3	16	PM1_4_
PM5/16④	5/16	M16×1	37.4	10.5	19.4	14.6	18.2	19	4	7	19	PM5_16_
PM3/8④	3/8	M20×1	42.4	11.9	21.6	18.5	20.7	24	5	8.5	36	PM3_8_
PM1/2④	1/2	M22×1	47.2	13	24.2	20.4	23.1	27	6	11.7	51	PM1_2_

PMP Bulkhead Union P

RoHS compliant



OP. P.754 3D CAD CAD

Unit：mm

Model code	Tube O.D. øD	M	B	E	A	øP	øS	Tube end C	Hex. H	G	Orifice bore (ømm)	Weight (g)	CAD file name
PMP4④	4	M12×1.5	31.4	9.2	12	10	16	14.9	14	5	3	6.8	PMP4
PMP6④	6	M14×1.5	35.5	9.8	15	12.3	19	17	17	5	4.9	9.6	PMP6
PMP8④	8	M16×1.5	38.4	10.7	15.5	14.2	22	18.1	19	6	7	14	PMP8
PMP10④	10	M20×2	43	13	18.5	17.5	27.5	20.7	24	6	8	23	PMP10
PMP12④	12	M24×2	48.4	13.2	20.5	21	31	23.4	27	6	11	32	PMP12
PMP5/32④	5/32	M12×1.5	31.4	9.2	12	10	16	14.9	14	5	3	6.8	PMP5_32
PMP1/4④	1/4	M14×1.5	35.5	9.8	15	12.3	19	17	17	5	5	9.5	PMP1_4
PMP5/16④	5/16	M16×1.5	38.4	10.7	15.5	14.2	22	18.1	19	6	7	14	PMP5_16
PMP3/8④	3/8	M20×2	43	13	18.5	17.5	27.5	20.7	24	6	8	24	PMP3_8

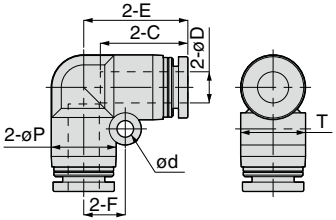
Common caution in this page

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

※2. Orifice bore is the smallest passage converted in terms of the diameter.

PV Union Elbow

RoHS compliant



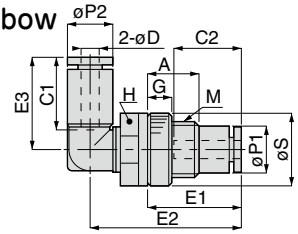
OP. P.754 | 3D CAD | CAD

Unit : mm

Model code	Tube O.D. øD	øP	Tube end C	E	Ød	F	T	Orifice bore (ømm)	Weight (g)	CAD file name
PV4④	4	10	14.9	16.9	3.2	6.5	10.4	2.8	5.1	PV4
PV6④	6	12.5	17	20.1	3.2	8	13.5	5	7.3	PV6
PV8④	8	15	18.1	22.4	4.2	10	15.6	7.2	11	PV8
PV10④	10	17.5	20.2	26.2	4.2	12	18.2	8.3	17	PV10
PV12④	12	21	23.4	29.4	4.2	14	21.7	10	25	PV12
PV16④	16	25	24.1	33.1	4.2	12	25.6	13	31	PV16
PV5/32④	5/32	10	14.9	16.9	3.2	6.5	10.4	2.8	5.1	PV5_32
PV3/16④	3/16	12.5	17.4	20.5	3.2	8	13.5	4	7.5	PV3_16
PV1/4④	1/4	12.5	17	20.1	3.2	8	13.5	5	7.1	PV1_4
PV5/16④	5/16	15	18.1	22.4	4.2	10	15.6	7.2	11	PV5_16
PV3/8④	3/8	17.5	20.2	26.2	4.2	12	18.2	8.5	18	PV3_8
PV1/2④	1/2	21	23.7	29.7	4.2	14	21.7	10.7	23	PV1_2

PML Bulkhead Union Elbow

RoHS compliant



OP. P.754 | 3D CAD | CAD

Unit : mm

Model code	Tube O.D. øD	M	E1	E2	E3	A	øP1	øP2	øS	Tube end C1	Tube end C2	Hex. H	G	Orifice bore (ømm)	Weight (g)	CAD file name
PML4④	4	M12×1.5	20.2	32.8	19.7	10	10	10	16	14.9	14.9	14	5	2.9	11	PML4
PML6④	6	M14×1.5	23.8	37.8	22.8	13	12.3	12.5	19	17	17	17	5	4.6	17	PML6
PML8④	8	M16×1.5	25.7	41.8	25.7	13.5	14.2	14.5	22	18.1	18.1	19	6	5.9	25	PML8
PML10④	10	M20×2	28	47.8	29.5	16.5	17.5	17.5	27.5	20.2	20.7	24	6	7.1	42	PML10
PML12④	12	M24×2	33.2	54.7	32.6	18.5	21	21	31	23.4	23.4	27	6	9.5	59	PML12
PML5/32④	5/32	M12×1.5	20.2	32.8	19.7	10	10	10	16	14.9	14.9	14	5	2.9	11	PML5_32
PML1/4④	1/4	M14×1.5	23.8	37.8	22.8	13	12.3	12.5	19	17	17	17	5	4.4	17	PML1_4
PML5/16④	5/16	M16×1.5	25.7	41.8	25.7	13.5	14.2	14.5	22	18.1	18.1	19	6	5.9	25	PML5_16
PML3/8④	3/8	M20×2	28	47.8	29.5	16.5	17.5	17.5	27.5	20.2	20.7	24	6	6.9	42	PML3_8

Common caution in this page

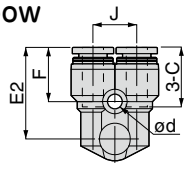
※1. ④ in Model code / Replaced with "W" for Light-gray color, "-C" for Clean-room package, "W-C" for Light-gray color and Clean-room packge, "-UC" for Clean-wash and Clean-room package

※2. Orifice bore is the smallest passage converted in terms of the diameter.

PAU Branch Union Elbow

OP. P.754 3D CAD CAD

RoHS compliant



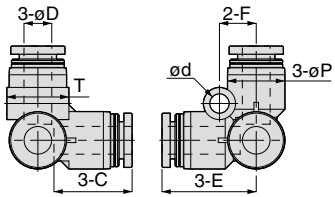
Unit：mm

Model code	Tube O.D. øD	E1	øP	Tube end C	J	E2	ød	F	T	Orifice bore (ømm)	Weight (g)	CAD file name
PAU4④	4	16.9	10	14.9	10.3	22.7	3.2	14.2	10.4	3.5	7.7	PAU4_
PAU6④	6	19.8	12.5	17	12.5	26.2	4.2	15.5	13.5	4.5	11	PAU6_
PAU8④	8	22.7	14.5	18.1	14.5	29.4	4.2	16.9	15.6	6.4	16	PAU8_
PAU10④	10	25	17.5	20.2	17.5	33.5	4.2	18.5	18.2	8.5	27	PAU10
PAU12④	12	29.4	21	23.4	21	35.2	4.2	20.4	21.7	10.4	39	PAU12_
PAU5/32④	5/32	16.9	10	14.9	10.3	22.7	3.2	14.2	10.4	3.5	7.7	PAU5_32_
PAU3/16④	3/16	20.2	12.5	17.4	12.5	26.6	4.2	15.9	13.5	4.4	12	PAU3_16_
PAU1/4④	1/4	19.8	12.5	17	12.5	26.2	4.2	15.5	13.5	4.8	11	PAU1_4_
PAU5/16④	5/16	22.7	14.5	18.1	14.5	29.4	4.2	16.9	15.6	6.4	16	PAU5_16_
PAU3/8④	3/8	25	17.5	20.2	17.5	33.5	4.2	18.5	18.2	8.5	27	PAU3_8_
PAU1/2④	1/2	29.7	21	23.7	21	35.5	4.2	20.7	21.7	10.4	38	PAU1_2_

PVU Tripod Union

OP. P.754 3D CAD CAD

RoHS compliant



Unit：mm

Model code	Tube O.D. øD	øP	Tube end C	E	ød	F	T	Orifice bore (ømm)	Weight (g)	CAD ファイル名
PVU4④	4	10	14.9	17.8	3.2	6.5	10.4	3	7.2	PVU4_
PVU6④	6	12.5	17	20.5	4.2	8	13.5	4.6	10	PVU6_
PVU8④	8	14.5	18.1	22.7	4.2	10	15.6	6.7	15	PVU8_
PVU10④	10	17.5	20.2	26.2	4.2	12	18.2	8.3	25	PVU10_
PVU12④	12	21	23.4	30.2	4.2	14	21.7	10.3	35	PVU12_
PVU5/32④	5/32	10	14.9	17.8	3.2	6.5	10.4	3	7.2	PVU5_32_
PVU3/16④	3/16	12.5	17.4	20.9	4.2	8	13.5	4	10	PVU3_16_
PVU1/4④	1/4	12.5	17	20.5	4.2	8	13.5	5.3	11	PVU1_4_
PVU5/16④	5/16	14.5	18.1	22.7	4.2	10	15.6	6.7	15	PVU5_16_
PVU3/8④	3/8	17.5	20.2	26.2	4.2	12	18.2	8.2	25	PVU3_8_
PVU1/2④	1/2	21	23.7	30.5	4.2	14	21.7	11	34	PVU1_2_

Common caution in this page

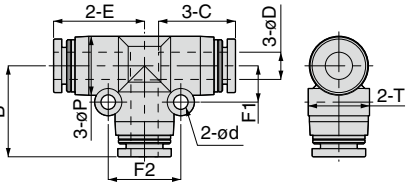
※1. ④ in Model code / Replaced with "W" for Light-gray color, "-C" for Clean-room package, "W-C" for Light-gray color and Clean-room packge, "-UC" for Clean-wash and Clean-room package

※2. Orifice bore is the smallest passage converted in terms of the diameter.

OP. P.000 Page for special specifications 3D CAD 3D CAD data is available at PISCO website. CAD CAD data is available at PISCO website.

PE Union Tee

RoHS compliant



OP. P.754 3D CAD CAD

Unit：mm

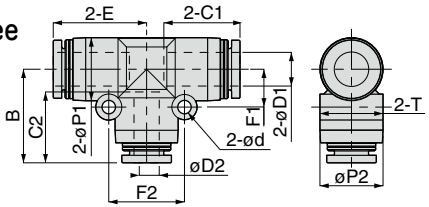
Model code	Tube O.D. øD	øP	Tube end C	E	ød	T	F1	F2	B	Orifice bore (ømm)	Weight (g)	CAD file name
PE4④	4	10	14.9	17.2	3.2	10.4	6.5	13	17.2	2.8	7.5	PE4
PE6④	6	13	17	20.05	3.2	13.5	8	16	20.1	4.8	11	PE6
PE8④	8	15	18.1	22.2	3.2	15.6	9	18	22.2	6.2	16	PE8
PE10④	10	17.5	20.2	25.2	4.2	18.2	12	24	25.2	8.1	25	PE10
PE12④	12	21	22.9	28.4	4.2	21.7	14	28	28.2	10	36	PE12
PE16④	16	25	24.1	33.1	4.2	25.6	12	24	33.1	13	44	PE16
PE5/32④	5/32	10	14.9	17.2	3.2	10.4	6.5	13	17.2	2.8	7.5	PE5_32
PE3/16④	3/16	13	17.4	20.45	3.2	13.5	8	16	20.5	3.8	12	PE3_16
PE1/4④	1/4	13	17	20.05	3.2	13.5	8	16	20.1	4.8	11	PE1_4
PE5/16④	5/16	15	18.1	22.2	3.2	15.6	9	18	22.2	6.2	16	PE5_16
PE3/8④	3/8	17.5	20.2	25.2	4.2	18.2	12	24	25.2	8.1	25	PE3_8
PE1/2④	1/2	21	23.2	28.7	4.2	21.7	14	28	28.5	10.7	34	PE1_2

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

※2. Orifice bore is the smallest passage converted in terms of the diameter.

PEG Unequal Union Tee

RoHS compliant



OP. P.754
3D CAD
CAD

Unit：mm

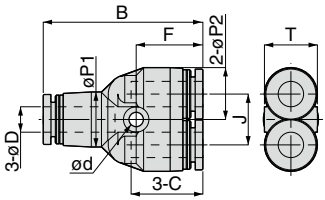
Model code	Tube O.D. øD1	Tube O.D. øD2	øP1	øP2	Tube end C1	Tube end C2	E	ød	F1	F2	B	T	Orifice bore (ømm)	Weight (g)	CAD file name
PEG4-6④	4	6	13	13	14.9	17	19.5	3.2	8	16	20.1	13.5	2.8	11	PEG4-6
PEG6-4④	6	4	13	13	17	14.9	20.05	3.2	8	16	19.5	13.5	2.8	11	PEG6-4
PEG6-8④		8	15	15		18.1	22.25		9	18	22.2	15.6	4.3	14	PEG6-8
PEG8-4④	8	4	14.5	12.5	18.1	14.9	22.2	3.2	9	18	21.7	15.1	2.8	14	PEG8-4
PEG8-6④		6				17					22.3		4.3		PEG8-6
PEG8-10④		10	17.5	17.5		20.2	24.9	4.2	12	24	25.2	18.2	6.2	22	PEG8-10
PEG10-6④	10	6	17.5	14.5	20.2	17	25.2	4.2	12	24	25	18.2	4.3	22	PEG10-6
PEG10-8④		8				18.1					24.9		6.2	23	PEG10-8
PEG10-12④		12	21	21		22.9	28.2		14	28	28.2	21.7	8.3	34	PEG10-12
PEG12-8④	12	8	21	17.5	23.4	18.1	28.4	4.2	14	28	27.7	21.7	6.2	32	PEG12-8
PEG12-10④		10				20.2					28		8.1	34	PEG12-10
PEG12-16④		16	25	25		24.1	33.2		12	24	33.1	25.6	9.9	46	PEG12-16
PEG16-10④	16	10	25	25	24.1	20.7	33.1	4.2	12	24	35.8	25.6	8.5	53	PEG16-10
PEG16-12④		12				22.9					33.2		10	45	PEG16-12
PEG5/32-3/16④	5/32	3/16	13	13	14.9	17.4	19.5	3.2	8	16	20.5	13.5	2.8	11	PEG5_32-3_16
PEG5/32-1/4④		1/4				17					20.1			10	PEG5_32-1_4
PEG3/16-5/32④	3/16	5/32	13	13	17.4	14.9	20.45	3.2	8	16	19.5	13.5	2.8	11	PEG3_16-5_32
PEG3/16-1/4④		1/4				17					20.1		3.8	12	PEG3_16-1_4
PEG1/4-5/32④	1/4	5/32	13	13	17	14.9	20.05	3.2	8	16	19.5	13.5	2.8	11	PEG1_4-5_32
PEG1/4-3/16④		3/16				17.4					20.5		4		PEG1_4-3_16
PEG1/4-5/16④		5/16	15	15		18.1	22.25		9	18	22.2	15.6	4.3	14	PEG1_4-5_16
PEG5/16-5/32④	5/16	5/32	14.5	12.5	18.1	14.9	22.2	3.2	9	18	21.7	15.1	2.8	16	PEG5_16-5_32
PEG5/16-3/16④		3/16				17.4					22.7		5	14	PEG5_16-3_16
PEG5/16-1/4④		1/4				17					22.3				PEG5_16-1_4
PEG5/16-3/8④		3/8	17.5	17.5		20.2	24.9	4.2	12	24	25.2	18.2	6.2	22	PEG5_16-3_8
PEG3/8-1/4④	3/8	1/4	17.5	14.5	20.2	17	25.2	4.2	12	24	25	18.2	5	22	PEG3_8-1_4
PEG3/8-5/16④		5/16				18.1					24.9		6.2	23	PEG3_8-5_16
PEG3/8-1/2④		1/2	21	21		23.2	28.2		14	28	28.5	21.7	7.5	34	PEG3_8-1_2
PEG1/2-5/16④	1/2	5/16	21	17.5	23.7	18.1	28.7	4.2	14	28	27.7	21.7	6.2	30	PEG1_2-5_16
PEG1/2-3/8④		3/8				20.2					28		7.5	32	PEG1_2-3_8

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

※2. Orifice bore is the smallest passage converted in terms of the diameter.

PY Union Y

RoHS compliant



OP. P.754 | 3D CAD | CAD

Unit : mm

Model code	Tube O.D. øD	B	øP1	øP2	Tube end C	J	ød	F	T	Orifice bore (ømm)	Weight (g)	CAD file name
PY4④	4	32.8	10	10	14.9	11	3.2	14.1	10.4	2.6	7.6	PY4
PY6④	6	37.7	13	12.5	17	12	3.4	15.8	13.5	4.3	11	PY6
PY8④	8	42.4	15	14.5	18.1	14	3.4	17.2	15.1	5.7	16	PY8
PY10④	10	48.4	17.5	17.5	20.7	18	4.2	19.5	18.2	6.7	26	PY10
PY12④	12	54.8	21	21	23.4	20	4.2	22.2	21.7	8	37	PY12
PY16④	16	62.2	25	25	24.1	24	4.5	22.1	25	12.7	45	PY16
PY5/32④	5/32	32.8	10	10	14.9	11	3.2	14.1	10.4	2.6	7.6	PY5_32
PY3/16④	3/16	38.5	13	12.5	17.4	12	3.4	16.2	13.5	3.8	11	PY3_16
PY1/4④	1/4	37.7	13	12.5	17	12	3.4	15.8	13.5	4.7	11	PY1_4
PY5/16④	5/16	42.4	15	14.5	18.1	14	3.4	17.2	15.1	5.7	16	PY5_16
PY3/8④	3/8	48.4	17.5	17.5	20.7	18	4.2	19.5	18.2	6.8	26	PY3_8
PY1/2④	1/2	55.4	21	21	23.7	20	4.2	22.5	21.7	7.9	35	PY1_2

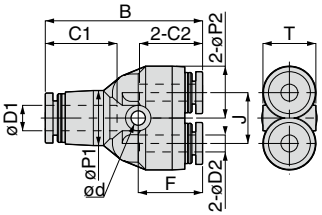
※1. ④ in Model code / Replaced with "W" for Light-gray color, "-C" for Clean-room package, "W-C" for Light-gray color and Clean-room packge, "-UC" for Clean-wash and Clean-room package

※2. Orifice bore is the smallest passage converted in terms of the diameter.

PW Unequal Union Y

RoHS compliant

OP. P.754 3D CAD CAD



Unit：mm

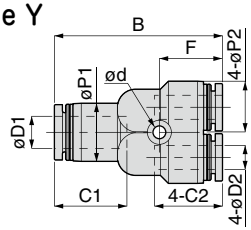
Model code	Tube O.D. øD1	Tube O.D. øD2	B	øP1	øP2	Tube end C1	Tube end C2	J	ød	F	T	Orifice bore (ømm)	Weight (g)	CAD file name
PW6-4④	6	4	37.2	13	12.5	17	14.9	12	3.4	15.2	13.5	3.7	11	PW6-4
PW8-4④	8	4	41.9	14.5	12.5	18.1	14.9	14	3.4	16.7	15.1	3.9	13	PW8-4
PW8-6④		6	42.5				17			17.3		5		PW8-6
PW10-6④	10	6	48.2	17.5	14.5	20.2	17	18	4.5	19.3	18.2	5.7	19	PW10-6
PW10-8④		8	48.1				18.1			19.2		6.5	20	PW10-8
PW12-8④	12	8	54.3	21	17.5	23.4	18.1	20	4.5	21.7	21.7	7.5	27	PW12-8
PW12-10④		10	54.6				20.2			22		7.8	30	PW12-10
PW16-12④	16	12	62.3	25	25	24.1	23.4	24	4.5	22.2	25	9	48	PW16-12
PW3/16-5/32④	3/16	5/32	37.6	13	12.5	17.4	14.9	12	3.4	15.2	13.5	3.7	11	PW3_16-5_32
PW1/4-4④	1/4	4	37.2	13	12.5	17	14.9	12	3.4	15.2	13.5	3.7	11	PW1_4-4
PW1/4-5/32④		5/32	37.2											PW1_4-5_32
PW1/4-3/16④		3/16	38.1				17.4			16.2		4		PW1_4-3_16
PW5/16-5/32④	5/16	5/32	41.9	14.5	12.5	18.1	14.9	14	3.4	16.7	15.1	3.9	13	PW5_16-5_32
PW5/16-1/4④		1/4	42.5				17			17.3		5		PW5_16-1_4
PW3/8-1/4④	3/8	1/4	48.2	17.5	14.5	20.2	17	18	4.5	19.3	18.2	5.7	19	PW3_8-1_4
PW3/8-5/16④		5/16	48.1				18.1			19.2		6.5	20	PW3_8-5_16
PW1/2-5/16④	1/2	5/16	54.6	21	17.5	23.7	18.1	20	4.5	21.7	21.7	7.5	27	PW1_2-5_16
PW1/2-3/8④		3/8	54.9				20.2			22		7.8	30	PW1_2-3_8

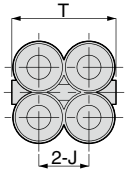
※1. ④ in Model code / Replaced with "W" for Light-gray color, "-C" for Clean-room package, "W-C" for Light-gray color and Clean-room packge, "-UC" for Clean-wash and Clean-room package

※2. Orifice bore is the smallest passage converted in terms of the diameter.

PRG Unequal Double Y

RoHS compliant



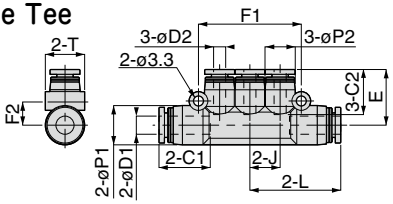


Unit：mm

Model code	Tube O.D. øD1	Tube O.D. øD2	B	øP1	øP2	Tube end C1	Tube end C2	J	ød	F	T	Orifice bore (ømm)	Weight (g)	CAD file name
PRG6-4④	6	4	37.5	12.5	10.5	17	14.9	10.3	3.2	14.2	21.3	3.2	14	PRG6-4_
PRG8-6④	8	6	42	14.5	13	18.1	17	12.5	3.2	15.8	26	4.6	21	PRG8-6_
PRG3/16-5/32④	3/16	5/32	37.9	12.5	10.5	17.4	14.9	10.3	3.2	14.2	21.3	3	15	PRG3_16-5_32_
PRG1/4-5/32④	1/4	5/32	37.5	12.5	10.5	17	14.9	10.3	3.2	14.2	21.3	3.2	14	PRG1_4-5_32_
PRG5/16-1/4④	5/16	1/4	42	14.5	13	18.1	17	12.5	3.2	15.8	26	4.7	20	PRG5_16-1_4_

PKG Unequal Triple Tee

RoHS compliant



Unit：mm

Model code	Tube O.D. øD1	Tube O.D. øD2	L	E	J	øP1	øP2	Tube end C1	Tube end C2	F1	F2	T	Orifice bore (ømm)	Weight (g)	CAD file name
PKG6-4④	6	4	30.05	18.4	10	13	10	17	14.9	34	8	13	3	16	PKG6-4
PKG8-4④	8	4	31.2	19.2	10	15	10	18.1	14.9	34	9.2	15	3	20	PKG8-4
PKG8-6④		6	34.7	21.3	12		13		17	40.2	9		4.6	23	PKG8-6
PKG10-6④	10	6	40	23.8	14	17.5	15	20.7	17	46.2	10.5	17.5	4.6	31	PKG10-6
PKG10-8④		8		23.7					18.1				7	33	PKG10-8
PKG3/16-5/32④	3/16	5/32	30.45	18.4	10	13	10	17.4	14.9	34	8	13	3	16	PKG3_16-5_32
PKG5/16-5/32④	5/16	5/32	31.2	19.2	10	15	10	18.1	14.9	34	9.2	15	3	20	PKG5_16-5_32
PKG5/16-3/16④		3/16	34.7	21.7	12		13		17.4	40.2	9		4	23	PKG5_16-3_16
PKG5/16-1/4④		1/4		21.3					17				4.6	22	PKG5_16-1_4
PKG3/8-1/4④	3/8	1/4	40	23.8	14	17.5	15	20.7	17	46.2	10.5	17.5	4.6	32	PKG3_8-1_4
PKG3/8-5/16④		5/16		23.7					18.1				7	33	PKG3_8-5_16

Common caution in this page

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

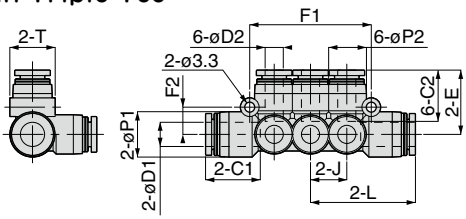
※2. Orifice bore is the smallest passage converted in terms of the diameter.

OP. P.000 Page for special specifications 3D CAD 3D CAD data is available at PISCO website. CAD CAD data is available at PISCO website.

PKVG Unequal Twin Triple Tee

OP. P.754 | 3D CAD | CAD

RoHS compliant



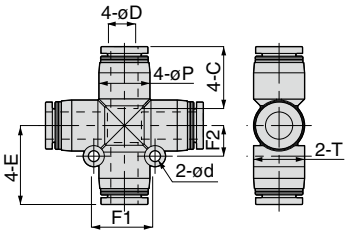
Unit：mm

Model code	Tube O.D. øD1	Tube O.D. øD2	L	E	J	øP1	øP2	Tube end C1	Tube end C2	F1	F2	T	Orifice bore (ømm)	Weight (g)	CAD file name
PKVG8-4④	8	4	34.7	20.7	12	15	13	18.1	14.9	40.2	9	15	3	31	PKVG8-4
PKVG8-6④		6		21.3					17				4.6	32	PKVG8-6
PKVG10-6④	10	6	40	23.8	14	17.5	15	20.2	17	46.2	10.5	17.5	4.6	44	PKVG10-6
PKVG10-8④		8		23.7					18.1				7	48	PKVG10-8
PKVG5/16-5/32④	5/16	5/32	34.7	20.7	12	15	13	18.1	14.9	40.2	9	15	3	31	PKVG5_16-5_32
PKVG5/16-3/16④		3/16		21.7					17.4				4	33	PKVG5_16-3_16
PKVG5/16-1/4④		1/4		21.3					17				4.6	31	PKVG5_16-1_4
PKVG3/8-3/16④	3/8	3/16	40	24.2	14	17.5	15	20.2	17.4	46.2	10.5	17.5	4	45	PKVG3_8-3_16
PKVG3/8-1/4④		1/4		23.8					17				4.6	43	PKVG3_8-1_4
PKVG3/8-5/16④		5/16		23.7					18.1				7	47	PKVG3_8-5_16

PZA Union Cross

OP. P.754 | 3D CAD | CAD

RoHS compliant



Unit：mm

Model code	Tube O.D. øD	E	øP	Tube end C	F1	F2	ød	T	Orifice bore (ømm)	Weight (g)	CAD file name
PZA8④	8	23.2	15	18.2	18	9	3.2	15	7	20	PZA8
PZA10④	10	27	17.5	20.7	22.5	11.3	4.2	17.5	9	32	PZA10
PZA12④	12	30.7	21	23.4	24.5	12.3	4.2	21	11	46	PZA12
PZA1/4④	1/4	20.95	13	17	18	9	3.2	13	5	14	PZA1_4
PZA5/16④	5/16	23.2	15	18.2	18	9	3.2	15	7	20	PZA5_16
PZA3/8④	3/8	27	17.5	20.7	22.5	11.3	4.2	17.5	9	33	PZA3_8
PZA1/2④	1/2	31	21	23.7	24.5	12.3	4.2	21	11	44	PZA1_2

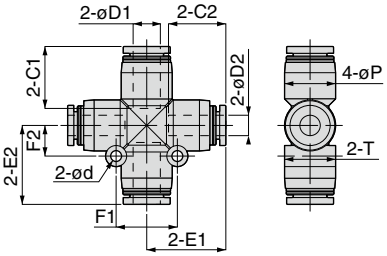
Common caution in this page

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

※2. Orifice bore is the smallest passage converted in terms of the diameter.

PZB Unequal Cross

RoHS compliant

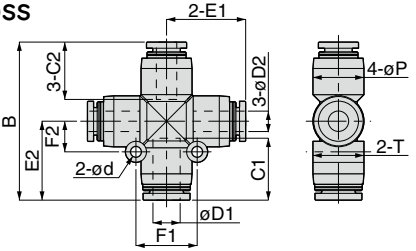


Unit : mm

Model code	Tube O.D. øD1	Tube O.D. øD2	E1	E2	øP	Tube end C1	Tube end C2	F1	F2	ød	T	Orifice bore (ømm)	Weight (g)	CAD file name
PZB8-6④	8	6	23.25	23.2	15	18.2	16.9	18	9	3.2	15	5	20	PZB8-6
PZB10-8④	10	8	26.7	27	17.5	20.7	18.2	22.5	11.3	4.2	17.5	7	29	PZB10-8
PZB12-10④	12	10	30.5	30.7	21	23.4	20.7	24.5	12.3	4.2	21	9	44	PZB12-10
PZB5/16-1/4④	5/16	1/4	23.25	23.2	15	18.2	16.9	18	9	3.2	15	5	19	PZB5_16-1_4
PZB3/8-5/16④	3/8	5/16	26.7	27	17.5	20.7	18.2	22.5	11.3	4.2	17.5	7	30	PZB3_8-5_16
PZB1/2-3/8④	1/2	3/8	30.5	31	21	23.7	20.7	24.5	12.3	4.2	21	9	44	PZB1_2-3_8

PZC Reducing Cross

RoHS compliant



Unit : mm

Model code	Tube O.D. øD1	Tube O.D. øD2	B	E1	E2	øP	Tube end C1	Tube end C2	F1	F2	ød	T	Orifice bore (ømm)	Weight (g)	CAD file name
PZC8-6④	8	6	46.5	23.25	23.2	15	18.2	16.9	18	9	3.2	15	5	19	PZC8-6
PZC10-8④	10	8	53.7	26.7	27	17.5	20.7	18.2	22.5	11.3	4.2	17.5	7	28	PZC10-8
PZC12-10④	12	10	61.2	30.5	30.7	21	23.4	20.7	24.5	12.3	4.2	21	9	44	PZC12-10
PZC5/16-1/4④	5/16	1/4	46.45	23.25	23.2	15	18.2	16.9	18	9	3.2	15	5	19	PZC5_16-1_4
PZC3/8-5/16④	3/8	5/16	53.7	26.7	27	17.5	20.7	18.2	22.5	11.3	4.2	17.5	7	28	PZC3_8-5_16
PZC1/2-3/8④	1/2	3/8	61.5	30.5	31	21	23.7	20.7	24.5	12.3	4.2	21	9	44	PZC1_2-3_8

Common caution in this page

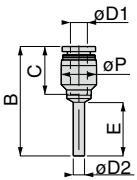
※1. ④ in Model code / Replaced with "W" for Light-gray color, "-C" for Clean-room package, "W-C" for Light-gray color and Clean-room packge, "-UC" for Clean-wash and Clean-room package

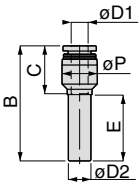
※2. Orifice bore is the smallest passage converted in terms of the diameter.

PGJ Unequal Plug-in Straight

OP. P.754 3D CAD CAD

RoHS compliant





PGJ4-6, PGJ6-8
PGJ8-10, PGJ10-12

Unit：mm

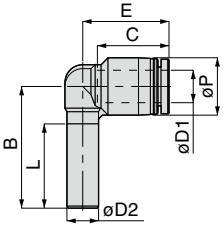
Model code	Tube O.D. øD1	Tube dia. øD2	B	E	øP	Tube end C	Orifice bore (ømm)	Weight (g)	CAD file name
PGJ4-6④	6	4	38.8	18.9	12.5	17	2.5	3.5	PGJ4-6
PGJ6-4④	4	6	37.7	22.3	10	14.9	2.8	2.9	PGJ6-4
PGJ6-8④	8		43.2	21.9	14.5	18.1	4	5.3	PGJ6-8
PGJ8-4④	4	8	40.2	23.3	12.5	14.9	2.8	3.8	PGJ8-4
PGJ8-6④	6		40.8			17	4.3	4	PGJ8-6
PGJ8-10④	10		46.5	22.9	17.5	20.2	6	8.7	PGJ8-10
PGJ8-1/4④	1/4		40.8	23.3	12.5	17	4.8	4	PGJ8-1_4
PGJ10-4④	4	10	42.2	28.3	12.5	14.9	2.8	4.3	PGJ10-4
PGJ10-6④	6		43.8			17	4.3	4.5	PGJ10-6
PGJ10-8④	8		43.7	24.8	14.5	18.1	6.1	5.8	PGJ10-8
PGJ10-12④	12		51.2	23.5	21	23.4	7.5	13	PGJ10-12
PGJ10-1/4④	1/4		43.8	28.3	12.5	17	4.8	4.5	PGJ10-1_4
PGJ10-5/16④	5/16		43.7	24.8	14.5	18.1	6.1	5.8	PGJ10-5_16
PGJ12-6④	6	12	48.8	33.5	14.5	17	4.3	6	PGJ12-6
PGJ12-8④	8		49.7			18.1	6.1	6.7	PGJ12-8
PGJ12-10④	10		50	28.8	17.5	20.2	8.1	9.6	PGJ12-10
PGJ12-1/4④	1/4		48.8	33.5	14.5	17	4.8	5.9	PGJ12-1_4
PGJ12-5/16④	5/16		49.7			18.1	6.1	6.7	PGJ12-5_16
PGJ12-3/8④	3/8		50	28.8	17.5	20.2	8.1	9.7	PGJ12-3_8
PGJ16-10④	10	16	55.2	30.8	21	20.2	8.1	15	PGJ16-10
PGJ16-12④	12		55.4			23.4	10	16	PGJ16-12
PGJ1/4-5/32④	5/32	1/4	37.7	22.3	10	14.9	2.8	3	PGJ1_4-5_32
PGJ5/16-5/32④	5/32	5/16	40.2	23.3	12.5	14.9	2.8	3.8	PGJ5_16-5_32
PGJ5/16-1/4④	1/4		40.8			17	4.8	4	PGJ5_16-1_4
PGJ3/8-1/4④	1/4	3/8	43.8	28.3	12.5	17	4.8	4.3	PGJ3_8-1_4
PGJ3/8-5/16④	5/16		43.7	24.8	14.5	18.1	6.1	5.6	PGJ3_8-5_16
PGJ1/2-1/4④	1/4	1/2	48.8	33.5	14.5	17	4.8	6.5	PGJ1_2-1_4
PGJ1/2-5/16④	5/16		49.7			18.1	6.1	7.3	PGJ1_2-5_16
PGJ1/2-3/8④	3/8		50	28.8	17.5	20.2	8.1	11	PGJ1_2-3_8

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

※2. Orifice bore is the smallest passage converted in terms of the diameter.

PLJ Plug-in Elbow

RoHS compliant



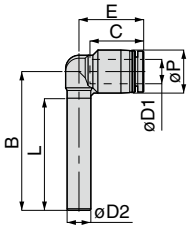
OP. P.754 3D CAD CAD

Unit : mm

Model code	Tube O.D. øD1	Tube dia. øD2	B	L	øP	Tube end C	E	Orifice bore (ømm)	Weight (g)	CAD file name
PLJ4④	4	4	25	18.5	10	14.9	16.8	2.5	2.7	PLJ4
PLJ6④	6	6	28.5	21	12.5	17	19.8	4	3.9	PLJ6
PLJ8④	8	8	30.7	22	14.5	18.1	21.8	6	5.7	PLJ8
PLJ10④	10	10	33.7	23.5	17.5	20.2	24.9	7.5	9.6	PLJ10
PLJ12④	12	12	39	26.5	21	23.4	28.9	9	15	PLJ12
PLJ16④	16	16	45	31	25	24.1	38.1	12.1	23	PLJ16
PLJ5/32④	5/32	5/32	25	18.5	10	14.9	16.8	2.5	2.7	PLJ5_32
PLJ1/4④	1/4	1/4	28.5	21	12.5	17	19.8	4	4	PLJ1_4
PLJ5/16④	5/16	5/16	30.7	22	14.5	18.1	21.8	6	5.7	PLJ5_16
PLJ3/8④	3/8	3/8	33.7	23.5	17.5	20.2	24.9	7.5	9.5	PLJ3_8
PLJ1/2④	1/2	1/2	39	26.5	21	23.7	29.2	9	15	PLJ1_2

PLLJ Long Plug-in Elbow

RoHS compliant



OP. P.754 3D CAD CAD

Unit : mm

Model code	Tube O.D. øD1	Tube dia. øD2	B	L	øP	Tube end C	E	Orifice bore (ømm)	Weight (g)	CAD file name
PLLJ4④	4	4	36	29.5	10	14.9	16.8	2.5	2.8	PLLJ4
PLLJ6④	6	6	42	34.5	12.5	17	19.8	4	4.2	PLLJ6
PLLJ8④	8	8	46.7	38	14.5	18.1	21.8	6	6.2	PLLJ8
PLLJ10④	10	10	51.7	41.5	17.5	20.2	24.9	7.5	11	PLLJ10
PLLJ12④	12	12	59.5	47	21	23.4	28.9	9	16	PLLJ12
PLLJ5/32④	5/32	5/32	36	29.5	10	14.9	16.8	2.5	2.8	PLLJ5_32
PLLJ1/4④	1/4	1/4	42	34.5	12.5	17	19.8	4	4.3	PLLJ1_4
PLLJ5/16④	5/16	5/16	46.7	38	14.5	18.1	21.8	6	6.2	PLLJ5_16
PLLJ3/8④	3/8	3/8	51.7	41.5	17.5	20.2	24.9	7.5	11	PLLJ3_8
PLLJ1/2④	1/2	1/2	59.5	47	21	23.7	29.2	9	17	PLLJ1_2

Common caution in this page

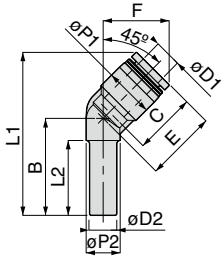
※1. ④ in Model code / Replaced with "W" for Light-gray color, "-C" for Clean-room package, "W-C" for Light-gray color and Clean-room packge, "-UC" for Clean-wash and Clean-room package

※2. Orifice bore is the smallest passage converted in terms of the diameter.

OP. P.000 Page for special specifications 3D CAD 3D CAD data is available at PISCO website. CAD CAD data is available at PISCO website.

PLHJ 45° Plug-in Elbow

RoHS compliant



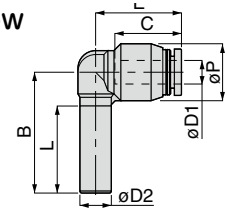
OP. P.754 | 3D CAD | CAD

Unit：mm

Model code	Tube O.D. øD1	Tube dia. øD2	B	øP1	øP2	Tube end C	L1	L2	E	F	Orifice bore (ømm)	Weight (g)	CAD file name
PLHJ8④	8	8	28.5	14.5	10	18.1	47.9	21	20.7	19.4	6	5.8	PLHJ8
PLHJ10④	10	10	31.5	17.5	11	20.2	54.3	23	24	22.8	7.5	9.5	PLHJ10
PLHJ12④	12	12	35.5	21	14	23.4	63.1	25.5	29.4	27.6	9	15	PLHJ12
PLHJ16④	16	16	41	25	17.6	24.1	70	30.2	29.8	29	13	18	PLHJ16

PLGJ Unequal Plug-in Elbow

RoHS compliant



OP. P.754 | 3D CAD | CAD

Unit：mm

Model code	Tube O.D. øD1	Tube dia. øD2	B	L	øP	Tube end C	E	Orifice bore (ømm)	Weight (g)	CAD file name
PLGJ6-4④	4	6	28.5	21	12.5	14.9	17.7	3.2	3.6	PLGJ6-4
PLGJ8-4④	4	8	30.7	22	14.5	14.9	21.3	3.7	5	PLGJ8-4
PLGJ8-6④	6					17	21.9	4.7	5.2	PLGJ8-6
PLGJ10-6④	6	10	33.7	23.5	17.5	17	24.7	5.1	7.5	PLGJ10-6
PLGJ10-8④	8					18.1	24.6	6.5	8	PLGJ10-8
PLGJ12-8④	8	12	39	26.5	21	18.1	28.4	7	13	PLGJ12-8
PLGJ12-10④	10					20.2	28.7	8	14	PLGJ12-10
PLGJ16-12④	12	16	45	31	25	23.4	38.2	10.7	26	PLGJ16-12
PLGJ1/4-5/32④	5/32	1/4	28.5	21	12.5	14.9	17.7	3.2	3.7	PLGJ1_4-5_32
PLGJ1/4-3/16④	3/16					17.4	20.2	3.3	4.2	PLGJ1_4-3_16
PLGJ1/4-6④	6					17	19.8	4	4	PLGJ1_4-6
PLGJ5/16-3/16④	3/16	5/16	30.7	22	14.5	17.4	22.3	4.7	5.3	PLGJ5_16-3_16
PLGJ5/16-1/4④	1/4					17	21.9		5.1	PLGJ5_16-1_4
PLGJ3/8-1/4④	1/4	3/8	33.7	23.5	17.5	17	24.7	5.1	7.3	PLGJ3_8-1_4
PLGJ3/8-5/16④	5/16					18.1	24.6	6.5	7.8	PLGJ3_8-5_16
PLGJ1/2-5/16④	5/16	1/2	39	26.5	21	18.1	28.4	7	13	PLGJ1_2-5_16
PLGJ1/2-3/8④	3/8					20.2	28.7	8	15	PLGJ1_2-3_8
PLGJ1/2-12④	12					23.4	28.9	9		PLGJ1_2-12

Common caution in this page

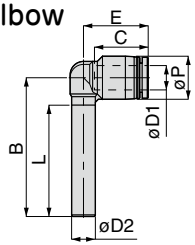
※1. ④ in Model code / Replaced with "W" for Light-gray color, "-C" for Clean-room package, "W-C" for Light-gray color and Clean-room packge, "-UC" for Clean-wash and Clean-room package

※2. Orifice bore is the smallest passage converted in terms of the diameter.

PLLGJ Unequal Plug-in Long Elbow

OP. P.754 | 3D CAD | CAD

RoHS compliant



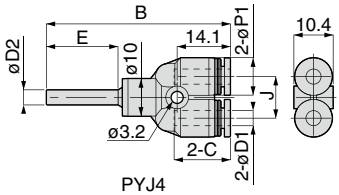
Unit：mm

Model code	Tube O.D. øD1	Tube dia. øD2	B	L	øP	Tube end C	E	Orifice bore (ømm)	Weight (g)	CAD file name
PLLGJ6-4④	4	6	42	34.5	12.5	14.9	17.7	3.2	3.9	PLLGJ6-4

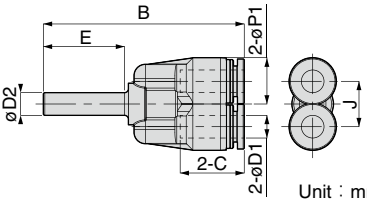
PYJ Plug-in Y

OP. P.754 | 3D CAD | CAD

RoHS compliant



PYJ4



Unit：mm

Model code	Tube O.D. øD1	Tube dia. øD2	B	øP1	Tube end C	E	J	Orifice bore (ømm)	Weight (g)	CAD file name
PYJ4④	4	4	48.7	10	14.9	19	11	2.5	6.5	PYJ4
PYJ6④	6	6	53.2	12.5	17	21.5	12	3.9	8.5	PYJ6
PYJ8④	8	8	56.1	14.5	18.1	22.5	14	5.9	13	PYJ8
PYJ10④	10	10	63.2	17.5	20.2	24	18	7.4	21	PYJ10
PYJ12④	12	12	71.3	21	23.4	28	20	8.9	31	PYJ12
PYJ16④	16	16	82.6	25	24.1	30	24	12.9	41	PYJ16
PYJ1/4④	1/4	1/4	53.2	12.5	17	21.5	12	3.9	8.6	PYJ1_4
PYJ5/16④	5/16	5/16	56.1	14.5	18.1	22.5	14	5.9	13	PYJ5_16
PYJ3/8④	3/8	3/8	63.2	17.5	20.2	24	18	7.4	21	PYJ3_8
PYJ1/2④	1/2	1/2	71.6	21	23.7	28	20	8.9	30	PYJ1_2

Common caution in this page

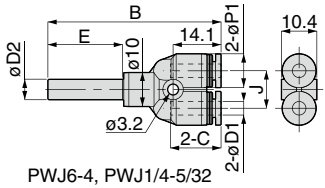
※1. ④ in Model code / Replaced with "W" for Light-gray color, "-C" for Clean-room package, "W-C" for Light-gray color and Clean-room packge, "-UC" for Clean-wash and Clean-room package

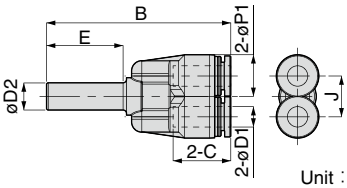
※2. Orifice bore is the smallest passage converted in terms of the diameter.

PWJ Unequal Plug-in Y

OP. P.754 | 3D CAD | CAD

RoHS compliant





PWJ6-4, PWJ1/4-5/32

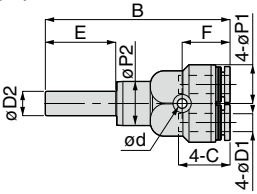
Unit：mm

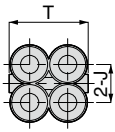
Model code	Tube O.D. øD1	Tube dia. øD2	B	øP1	Tube end C	E	J	Orifice bore (ømm)	Weight (g)	CAD file name
PWJ6-4④	4	6	50.9	10	14.9	22	11	2.6	6.8	PWJ6-4
PWJ8-6④	6	8	54.2	12.5	17	22.5	12	5.3	8.8	PWJ8-6
PWJ10-8④	8	10	57.6	14.5	18.1	24	14	5.9	13	PWJ10-8
PWJ12-10④	10	12	67.2	17.5	20.2	28	18	7.4	22	PWJ12-10
PWJ16-12④	12	16	73.3	21	23.4	30	20	8.9	32	PWJ16-12
PWJ1/4-5/32④	5/32	1/4	50.9	10	14.9	22.3	11	2.6	6.8	PWJ1_4-5_32
PWJ5/16-1/4④	1/4	5/16	54.2	12.5	17	22.5	12	5.3	8.7	PWJ5_16-1_4
PWJ3/8-5/16④	5/16	3/8	57.6	14.5	18.1	24	14	5.9	13	PWJ3_8-5_16
PWJ1/2-3/8④	3/8	1/2	67.2	17.5	20.2	28	18	7.4	22	PWJ1_2-3_8

PRJ Plug-in Double Y

OP. P.754 | 3D CAD | CAD

RoHS compliant





Unit：mm

Model code	Tube O.D. øD1	Tube dia. øD2	B	E	J	øP1	øP2	Tube end C	ød	F	T	Orifice bore (ømm)	Weight (g)	CAD file name
PRJ6-4④	4	6	55	22	10.3	10.5	12.5	14.9	3.2	14.2	21.3	3.2	13	PRJ6-4_
PRJ8-6④	6	8	60.8	23.2	12.5	13	14.5	17	3.2	15.8	26	4.6	19	PRJ8-6_

Common caution in this page

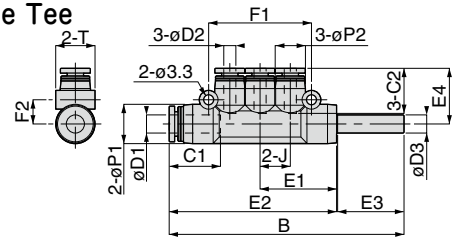
※1. ④ in Model code / Replaced with "W" for Light-gray color, "-C" for Clean-room package, "W-C" for Light-gray color and Clean-room packge, "-UC" for Clean-wash and Clean-room package

※2. Orifice bore is the smallest passage converted in terms of the diameter.

OP. P.000 Page for special specifications | 3D CAD 3D CAD data is available at PISCO website. | CAD CAD data is available at PISCO website.

PKJ Plug-in Triple Tee

RoHS compliant



Unit：mm

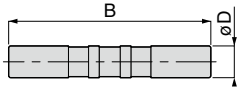
Model code	Tube O.D. øD1	Tube O.D. øD2	Tube dia. øD3	B	J	E1	E2	E3	E4	øP1	øP2	Tube end C1	Tube end C2	F1	F2	T	Orifice bore (ømm)	Weight (g)	CAD file name
PKJ6-4④	6	4	6	77.7	10	25.3	55.4	22	18.4	13	10	17	14.9	34	8	13	3	15	PKJ6-4
PKJ8-4④	8	4	8	81.2	10	26.5	57.7	23.2	19.2	15	10	18.1	14.9	34	9.2	15	3	18	PKJ8-4
PKJ8-6④		6		88.2	12	30	64.7		21.3		13		17	40.2	9		4.6	21	PKJ8-6
PKJ10-8④	10	8	10	100	14	35	75	25	23.7	17.5	15	20.7	18.1	46.2	10.5	17.5	7	31	PKJ10-8

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

※2. Orifice bore is the smallest passage converted in terms of the diameter.

PIJ Union Stem

RoHS compliant



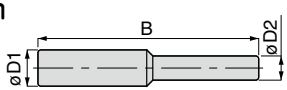
OP. P.754 3D CAD CAD

Unit：mm

Model code	Tube dia. øD	B	Orifice bore (ømm)	Weight (g)	CAD file name
PIJ4④	4	34.8	2.5	0.3	PIJ4
PIJ6④	6	38.2	4	0.6	PIJ6
PIJ8④	8	41.4	6	1	PIJ8
PIJ10④	10	46.2	7.5	1.7	PIJ10
PIJ12④	12	52.8	9	2.8	PIJ12
PIJ16④	16	55.6	13	3.8	PIJ16
PIJ5/32④	5/32	34.8	2.5	0.3	PIJ5_32
PIJ3/16④	3/16	38.2	3	0.5	PIJ3_16
PIJ1/4④	1/4	38.2	4.5	0.7	PIJ1_4
PIJ5/16④	5/16	41.4	6	1	PIJ5_16
PIJ3/8④	3/8	46.2	6.9	1.7	PIJ3_8
PIJ1/2④	1/2	52.8	9.5	3.2	PIJ1_2

PIG Unequal Union Stem

RoHS compliant



OP. P.754 3D CAD CAD

Unit：mm

Model code	Tube dia. øD1	Tube dia. øD2	B	Orifice bore (ømm)	Weight (g)	CAD file name
PIG6-4④	6	4	36.7	2.5	0.5	PIG6-4
PIG8-4④	8	4	41.1	2.5	0.9	PIG8-4
PIG8-6④		6	40.5	4		PIG8-6
PIG10-6④	10	6	43.7	4	1.4	PIG10-6
PIG10-8④		8	44	6	1.3	PIG10-8
PIG12-8④	12	8	47.5	6	2.1	PIG12-8
PIG12-10④		10	49.6	7.5	2.2	PIG12-10
PIG16-10④	16	10	52.5	7.5	4.5	PIG16-10
PIG16-12④		12	54.4	9	4.2	PIG16-12
PIG3/16-5/32④	3/16	5/32	36.7	2.5	0.4	PIG3_16-5_32
PIG1/4-5/32④	1/4	5/32	36.7	2.5	0.5	PIG1_4-5_32
PIG1/4-3/16④		3/16	38.2	2.4	0.7	PIG1_4-3_16
PIG5/16-1/4④	5/16	1/4	40.5	4	0.9	PIG5_16-1_4
PIG3/8-5/16④	3/8	5/16	44	6	1.3	PIG3_8-5_16
PIG1/2-3/8④	1/2	3/8	49.6	7.1	2.4	PIG1_2-3_8

Common caution in this page

※1. The body color for inch sizes is white.

※2. ④ in Model code / Replaced with "W" for Light-gray color, "-C" for Clean-room package, "W-C" for Light-gray color and Clean-room packge, "-UC" for Clean-wash and Clean-room package

※3. Orifice bore is the smallest passage converted in terms of the diameter.

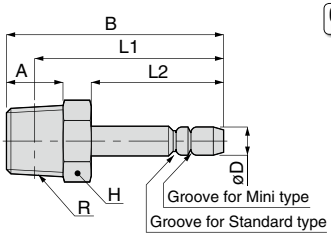
OP. P.000 Page for special specifications　3D CAD 3D CAD data is available at PISCO website.　CAD CAD data is available at PISCO website.

PTJ PT Jack

RoHS compliant

OP. P.754 | 3D CAD | CAD

Metric thread type



Unit：mm

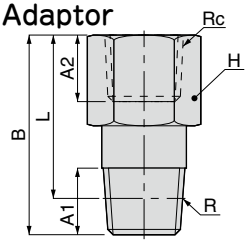
Model code	Tube dia. øD	R	A	B	L1	L2	Hex. H	Orifice bore (ømm)	Weight (g)	CAD file name
PTJ4-M5④	4	M5×0.8	3 [3.2]	27.5	24.5 [24.3]	18.5	8	1.8	4.1	PTJ4-M5[C]
PTJ4-01④		R1/8	8	30.5	26.5		10	2.2	8.4	PTJ4-01
PTJ6-M5④	6	M5×0.8	3 [3.2]	30.5	27.5 [27.3]	20.5	8	1.8	5.5	PTJ6-M5[C]
PTJ6-01④		R1/8	8	32.5	28.5		10	4	8.7	PTJ6-01
PTJ6-02④		R1/4	11	36.5	30.5		14		19	PTJ6-02
PTJ8-01④	8	R1/8	8	34	30	21	10	6	8.6	PTJ8-01
PTJ8-02④		R1/4	11	37	31		14		18	PTJ8-02
PTJ8-03④		R3/8	12	38.8	32.5		17		31	PTJ8-03
PTJ10-03④	10	R3/8	12	41.5	35.2	23.5	17	8	30	PTJ10-03

※1. ④ in Model code / Replaced with "-C" for Clean-room package, "-UC" for Clean-wash and Clean-room package.
※2. "L1" is a reference value for height dimension after tightening taper thread.
※3. PTJ withTube O.D.8mm and 10mm do not have the groove for Mini Series
※4. PTJ is applicable for PISCO Tube fitting Standard and Mini Series only.
※5. Dimensions in [ ] are for clean-room and clean-wash package products
※6. Orifice bore is the smallest passage converted in terms of the diameter.

PF Extension Screw Adaptor

OP. P.754 3D CAD CAD

RoHS compliant



Metric thread type

Unit：mm

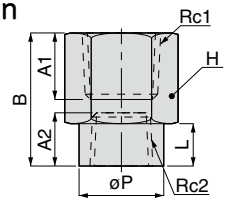
Model code	R	Rc	A1	A2	B	L	Hex. H	Orifice bore (ømm)	Weight (g)	CAD file name
PFM5-M5④	M5×0.8	M5×0.8	3 [3.2]	5	19.5	16.5 [16.3]	8	1.8	5.3	PFM5-M5[C]
PFM5-M5L④					23	20 [19.8]			6.2	PFM5-M5L[C]
PFM5-01④		Rc1/8		7	14.5	11.5 [11.3]	14		11	PFM5-01[C]
PF01-M5④	R1/8	M5×0.8	8	6	12	8	10	4.2	5.7	PF01-M5
PF01-01④		Rc1/8		7	28.5	24.5	14	6	18	PF01-01
PF01-02④		Rc1/4		9.5	21	17	17		19	PF01-02
PF01-03④		Rc3/8		10.5	22	18	21		28	PF01-03
PF02-M5④	R1/4	M5×0.8	11	6	16	10	14	4.2	16	PF02-M5
PF02-01④		Rc1/8		7	19	13		4.6	17	PF02-01
PF02-02④		Rc1/4		9.5	33	27	17	8	32	PF02-02
PF02-03④		Rc3/8		10.5	25	19	21		32	PF02-03
PF02-04④		Rc1/2		13	30	24	24		44	PF02-04
PF03-01④	R3/8	Rc1/8	12	7	17.5	11.2	17	6	25	PF03-01
PF03-02④		Rc1/4		9.5	22.5	16.2		8	27	PF03-02
PF03-03④		Rc3/8		10.5	37	30.7	21	10	53	PF03-03
PF03-04④		Rc1/2		13	31	24.7	24		47	PF03-04
PF04-04④	R1/2	Rc1/2	15	13	43	34.8	24	11	86	PF04-04

※1. ④ in Model code / Replaced with "-C" for Clean-room package, "-UC" for Clean-wash and Clean-room package.
※2. "L" is a reference value for height dimension after tightening taper thread.
※3. Dimensions in [ ] are for clean-room and clean-wash package products.
※4. Orifice bore is the smallest passage converted in terms of the diameter.

PFF Unequal Screw Union

RoHS compliant

OP. P.754 | 3D CAD | CAD



Unit：mm

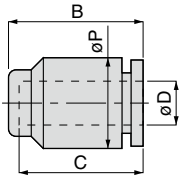
Model code	Rc1	Rc2	A1	A2	B	L	øP	Hex. H	Orifice bore (ømm)	Weight (g)	CAD file name
PFF01-M5④	Rc1/8	M5×0.8	7	4	17	7	8	14	4.2	12	PFF01-M5
PFF02-01④	Rc1/4	Rc1/8	9.5	7	21	8	14	17	6.5	23	PFF02-01
PFF03-01④	Rc3/8	Rc1/8	10.5	7	22	8	14	21	6.5	32	PFF03-01
PFF03-02④		Rc1/4		9.5	25	11	17		9	36	PFF03-02
PFF04-02④	Rc1/2	Rc1/4	13	9.5	30	11	17	24	9	51	PFF04-02
PFF04-03④		Rc3/8		10.5	33	14	21		12	58	PFF04-03

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

※2. Orifice bore is the smallest passage converted in terms of the diameter.

PPF Cap

RoHS compliant



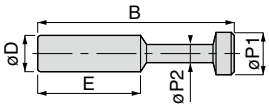
OP. P.754 | 3D CAD | CAD

Unit：mm

Model code	Tube O.D. øD	B	øP	C	Weight (g)	CAD file name
PPF4④	4	16.4	10	14.9	2.4	PPF4
PPF6④	6	18.5	12.5	17	3.3	PPF6
PPF8④	8	19.9	14.5	18.4	4.7	PPF8
PPF10④	10	22.3	17.5	20.7	7.8	PPF10
PPF12④	12	24.9	21	22.9	12	PPF12
PPF16④	16	27.6	25	24.1	14	PPF16
PPF1/8④	1/8	14.8	10	11	1.6	PPF1_8
PPF5/32④	5/32	16.4	10	14.9	2.4	PPF5_32
PPF3/16④	3/16	18.9	12.5	17.4	3.4	PPF3_16
PPF1/4④	1/4	18.5	12.5	17	3.3	PPF1_4
PPF5/16④	5/16	19.9	14.5	18.4	4.7	PPF5_16
PPF3/8④	3/8	22.3	17.5	20.7	7.8	PPF3_8
PPF1/2④	1/2	25.2	21	23.2	12	PPF1_2

PP Plug

RoHS compliant



OP. P.754 | 3D CAD | CAD

Unit：mm

Model code	Tube dia. øD	B	E	øP1	øP2	Weight (g)	CAD file name
PP4④	4	27.5	15	5	3	0.3	PP4
PP6④	6	32.5	17	7	3	0.7	PP6
PP8④	8	36.5	18.1	9	4	1.1	PP8
PP10④	10	42	20.2	11	5	1.9	PP10
PP12④	12	44	23.4	13	6	2.4	PP12
PP16④	16	46	24.1	17	8	4.2	PP16
PP5/32④	5/32	27.5	15	5	3	0.3	PP5_32
PP3/16④	3/16	32.5	17	7	3	0.5	PP3_16
PP1/4④	1/4	33	17	7.5	3	0.7	PP1_4
PP5/16④	5/16	36.5	18.1	9	4	0.9	PP5_16
PP3/8④	3/8	42	20.2	10.5	5	1.5	PP3_8
PP1/2④	1/2	44	23.4	13	6	2.9	PP1_2

※ The body color for inch sizes is white.

Common caution in this page

※ ④ in Model code / Replaced with "W" for Light-gray color (Not available for inch Size of Plug (PP)), "-C" for Clean-room package, "W-C" for Light-gray color and Clean-room packge (Not available for inch Size of Plug (PP)), "-UC" for Clean-wash and Clean-room package

OP. P.000 Page for special specifications | 3D CAD 3D CAD data is available at PISCO website. | CAD CAD data is available at PISCO website.

⚠ Safety Instructions

This Safety Instructions aim to prevent personal injury and damage to properties by requiring proper use of PISCO products.

Be certain to follow ISO 4414 and JIS B 8370.

ISO 4414 : Pneumatic fluid power…General rules and safety requirements for system and their components.

JIS B 8370: General rules and safety requirements for systems and their components.

This Safety instructions are classified into "Danger", "Warning" and "Caution", depending on the degree of danger or damages caused by improper use of PISCO products.

⚠ Danger	Hazardous conditions. It can cause death or serious personal injury.
⚠ Warning	Hazardous conditions depending on usages. Improper Use of PISCO products can case death or serious personal injury.
⚠ Caution	Hazardous conditions depending on usages. Improper use of PISCO products can cause personal injury or damages to properties.

⚠ Warning

1. Selection of pneumatic products.
   ① A user who is a pneumatic system designer or has sufficient experience and technical expertise should select PISCO products.
   ② Due to wide variety of operating conditions and applications for PISCO products, carry out the analysis and evaluation on PISCO products. The pneumatic system designer is solely responsible for assuring that the user's requirements are met and that the application presents no health or safety hazards. All designers are required to fully understand the specifications of PISCO products and constitute all systems based on the latest catalog or information, considering any malfunction.

2. The pneumatic equipments shall be handled by a person having enough knowledge and experiences.
   ① Improper use of compressed air is dangerous. Assembly, operation and maintenance of machines using pneumatic equipment should be conducted by a person with enough knowledge and experience.

3. Do not operate machine / equipment or remove pneumatic equipment until safety is confirmed.
   ① Make sure that preventive measures against falling work-pieces or sudden movements of machine are completed before inspection or maintenance of these machine
   ② Make sure the above preventive measures are completed. A compressed air supply and the power supply to the machine must be off, and also the compressed air in the systems must be exhausted.

※. Safety Instructions are subject to change without notice.

③ Restart the machines with care after ensuring to take all preventive measures against sudden movements.

Warranty

1. When the product produces a trouble, which is caused by our responsibility, we will carry out either one of the following measures immediately.
   ① Free-of-charge replacement of same product
   ② Free-of-charge repair of the product at our factory

Disclaimer

When a cause of the trouble/malfunction applies to any of the following items, it is excluded from the coverage of the above warranty.

①. A case by a natural disaster, a fire except our responsibility, the act by the third person/party, the intention or fault of the customer.

②. A case when a product is used out of the specific range or in a method listed in the product catalog or the instruction manual.

③. A case by the remodeling of the product or by a change of structure, performance, or specifications which PISCO is not involved in.

④. A case by the event that is unpredictable by the evaluations and the measures at the time on or before the initial delivery.

⑤. A case caused by the phenomenon that is able to be evaded if your machine or equipment has functions or structures that are comprised in a common sense when this product is incorporated in your machine or equipment.

Additionally, the above warranty is limited simply to the product itself. The damage induced by the trouble of the product will not be compensated.

⚠ Common Safety Instructions for Products Listed in This Catalog

PISCO products are designed and manufactured for use in general industrial machines.

⚠ Danger

1. Do not use PISCO products for the following applications.
   ① Equipment used for maintaining / handling human life and body.
   ② Equipment used for moving / transporting human.
   ③ Equipment specifically used for safety purposes.

⚠ Warning

1. Do not use PISCO products under the following conditions.
   ① Beyond the specifications or conditions stated in the catalog, or the instructions.
   ② Use at outdoors.
   ③ Excessive vibrations and impacts.
   ④ Exposure / adhere to corrosive gas, flammable gas, chemicals, seawater, water and vapor.
   * Some products can be used under the condition above(④). Refer to the details of specifications and conditions of each product.

2. Do not disassemble or modify PISCO products, which affect the performance, function, and basic structure of the product.

3. Do not touch the release-ring of a push-in fitting when there is a working pressure. The lock may be released by the physical contact, and tube may fly out or slip out.

4. Frequent switchover of compressed air may generate heat, and there is a risk of causing burn injury.

5. Avoid any load on PISCO products, such as, a tensile strength, twisting and bending.

6. As for applications where threads or tubes swing / rotate, use Rotary Joints, High Rotary Joints or Multi-Circuit Rotary Block only. The other PISCO products can be damaged in these applications.

7. Use only Die Temperature Control Fitting Series, Tube Fitting Stainless SUS316 Series, Tube Fitting Stainless SUS316 Compression Fitting Series or Tube Fitting Brass Series under the condition of over 60℃ (140 °F) water or heat medium oil. Other PISCO products can be damaged by heat and hydrolysis under the condition above.

8. As for the condition required to dissipate static electricity or provide an antistatic performance, use EG series fitting and antistatic products only, and do not use other PISCO products. There is a risk that static electricity

can cause system defects or failures.

9. Use only Fittings with a characteristic of spatter-proof such as Anti-spatter or Brass series in a place where flame and weld spatter is produced. There is a risk of causing fire by sparks.

10. Turn off the power supply, stop the air supply to PISCO products, and make sure there is no residual air pressure in the pipes before maintenance and inspection. Follow the instructions below in order to ensure the safety.
    ① Make sure the safety of all systems related to PISCO products before maintenance.
    ② Restart of operation after maintenance shall be proceeded with care after ensuring the safety of the system by preventive measures against unexpected movements of machines and devices where pneumatic equipment is used.
    ③ Keep enough space for maintenance when designing a circuit.

11. Take safety measures such as providing a protection cover if there is a risk of causing damages or fire on machine / facilities by a fluid leakage.

⚠ Caution

1. Remove dusts or drain before piping. They may get into the peripheral machine / facilities and cause malfunction.

2. When inserting an ultra-soft tube into a push-in fitting, make sure to place an Insert Ring into the tube edge. There is a risk of causing the escape of the tube and a fluid leakage without using an Insert Ring.

3. The product incorporating NBR as seal rubber material has a risk of malfunction caused by ozone crack. Ozone exists in high concentrations in static elimination air, clean-room, and near the high-voltage motors, etc. As a countermeasure, material change from NBR to HNBR or FKM is necessary.

4. Special option “Oil-free” products may cause a very small amount of a fluid leakage. When a fluid medium is liquid or the products are required to be used in harsh environments, contact us for further information.

5. In case of using non-PISCO brand tubes, make sure the tolerance of the outer tube diameter and tube hardness are within the limits of Table 1.

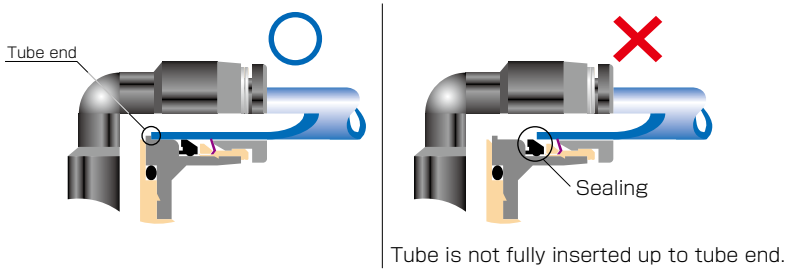
● Table 1. Tube O.D. Tolerance

mm size	Nylon tube (SHORE D63)	Polyurethane tube (SHORE A98)	inch size	Nylon tube (SHORE D63)	Polyurethane tube (SHORE A98)
ø1.8mm	—	±0.05mm	ø1/8	±0.1mm	±0.15mm
ø2mm	—	±0.05mm	ø5/32	±0.1mm	±0.15mm
ø3mm	—	±0.15mm	ø3/16	±0.1mm	±0.15mm
ø4mm	±0.1mm	±0.15mm	ø1/4	±0.1mm	±0.15mm
ø6mm	±0.1mm	±0.15mm	ø5/16	±0.1mm	±0.15mm
ø8mm	±0.1mm	±0.15mm	ø3/8	±0.1mm	±0.15mm
ø10mm	±0.1mm	±0.15mm	ø1/2	±0.1mm	±0.15mm
ø12mm	±0.1mm	±0.15mm	ø5/8	±0.1mm	±0.15mm
ø16mm	±0.1mm	±0.15mm			

6. Instructions for Tube Insertion

① Make sure that the cut end surface of the tube is at a right angle without a scratch on the tube surface or deformations.

② When inserting a tube, the tube needs to be inserted fully into the push-in fitting until the tubing edge touches the tube end of the fitting as shown in the figure below. Otherwise, there is a risk of leakage.



Tube is not fully inserted up to tube end.

③ After inserting the tube, make sure it is inserted properly and not to be disconnected by pulling it moderately.

※. When inserting tubes, Lock-claws may be hardly visible in the hole, observed from the front face of the release-ring. But it does not mean the tube will surely escape. Major causes of the tube escape are the followings; ① Shear drop of the lock-claws edge ② The problem of tube diameter (usually small). Therefore, follow the above instructions from ① to ③, even lock-claws is hardly visible.

7. Instructions for Tube Disconnection

① Make sure there is no air pressure inside of the tube, before disconnecting it.

② Push the release-ring of the push-in fitting evenly and deep enough to pull out the tube toward oneself. By insufficient pushing of the release-ring, the tube may not be pulled out or damaged by scratch, and tube shavings may remain inside of the fitting, which may cause the leakage later.

8. Instructions for installing a fitting

① When installing a fitting, use proper tools to tighten a hexagonal-column or an inner hexagonal socket. When inserting a hex key into the inner hexagonal socket of the fitting, be careful so that the tool does not touch lock-claws. The deformation of lock-claws may result in a poor performance of systems or an escape of the tube.

② Refer to Table 2 which shows the tightening torque. Do not exceed these limits to tighten a thread. Excessive tightening may break the thread part or deform the gasket to cause a fluid leakage. Tightening thread with tightening torque lower than these limits may cause a loosened thread or a fluid leakage.

③ Adjust the tube direction while tightening thread within these limits, since some PISCO products are not rotatable after the installation.

● Table 2: Tightening torque / Sealock color / Gasket materials

Thread type	Thread size	Tightening torque	Sealock color	Gasket material
Metric thread	M3 × 0.5	0.7N·m	—	SPCC+NBR SUS304+NBR
	M5 × 0.8	1 ~ 1.5N·m		
	M6 × 1	2 ~ 2.7N·m		
	M3 × 0.5	0.7N·m		POM
	M5 × 0.8	1 ~ 1.5N·m		
	M6 × 0.75	0.8 ~ 1N·m		
	M8 × 0.75	1 ~ 2N·m		
Taper pipe thread	R1/8	4.5 ~ 6.5N·m	White	—
	R1/4	7 ~ 9N·m		
	R3/8	12.5 ~ 14.5N·m		
	R1/2	20 ~ 22N·m		
Unified thread	No.10-32UNF	1 ~ 1.5N·m	—	SPCC+NBR、SUS304+NBR
National Pipe Thread Taper (American standard)	1/16-27NPT	4.5 ~ 6.5N·m	White	—
	1/8-27NPT	4.5 ~ 6.5N·m		
	1/4-18NPT	7 ~ 9N·m		
	3/8-18NPT	12.5 ~ 14.5N·m		
	1/2-14NPT	20 ~ 22N·m		

※ These values may differ for some products. Refer to each specification as well.

9. Instructions for removing a fitting
   ① When removing a fitting, use proper tools to loosen a hexagonal-column or an inner hexagonal socket. When inserting a hex key into the inner hexagonal socket of the fitting, be careful so that the tool does not touch lock-claws. The deformation of lock-claws may result in a poor performance of systems or an escape of the tube.
   ② Remove the sealant stuck on the mating equipment. The remained sealant may get into the peripheral equipment and cause malfunctions.

10. Arrange piping avoiding any load on fittings and tubes such as twist, tensile, moment load, shaking and physical impact. These may cause damages to fittings, tube deformations, bursting and the escape of tubes.

11. Instructions for handling a fitting
   ① Impact caused by dropping or the like may lead to damage to the product and a fluid leakage.

⚠ Common Safety Instructions for Fittings

Before selecting or using PISCO products, read the following instructions. Read the detailed instructions for individual series.

⚠ Warning

1. Use PISCO products within the range of the specifications for each series. Consult with PISCO for use outside the specifications.

⚠ Caution

1. A bulkhead nut of Bulkhead Union (PM), Bulkhead Union P (PMP), and Bulkhead Union Elbow (PML) should be tightened within the specified tightening torque range.

● Bulkhead nut tightening torqu

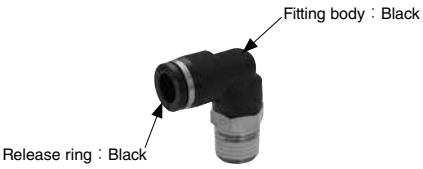
Series	Tube size	Tightening torque	
		Bulkhead Union (PM)	Bulkhead Union P (PMP)、Bulkhead Union Elbow (PML)
Tube Fitting	4	12.0～14.0N·m	0.4～0.6N·m
	6	18.0 ~ 21.0N·m	0.9 ~ 1.1N·m
	8	18.0 ~ 21.0N·m	1.1 ~ 1.3N·m
	10	19.0 ~ 21.0N·m	2.3 ~ 2.7N·m
	12	19.0 ~ 21.0N·m	2.7 ~ 3.3N·m
	16	42.0 ~ 54.0N·m	—
Tube Fitting Mini	1.8	0.8～1.0N·m	—
	2	0.8～1.0N·m	
	3	2.5～3.5N·m	
	4	5.0～7.0N·m	
	6	12.0～14.0N·m	

2. If an object between the bulkhead nut and fitting body is deformable or has oil on its surface, the nut may loosen after tightening.

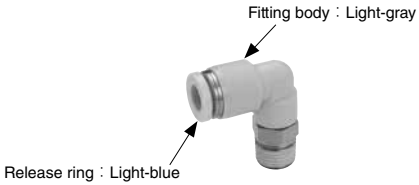
3. PISCO pneumatic fittings are designed for use with tube inserted. Air supply without tube insertion such as air flushing may cause an elastic sleeve to fly out of the fitting.

Identification of fittings

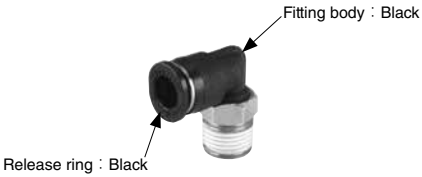
Tube Fitting Standard



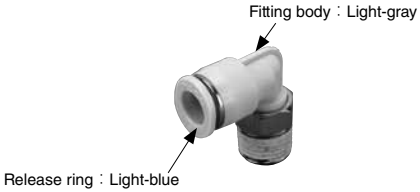
Tube Fitting Standard Clean-room Package



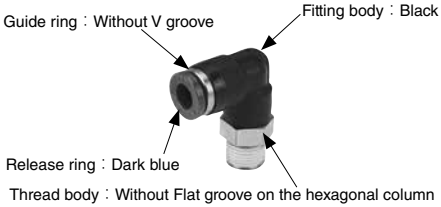
Tube Fitting Mini



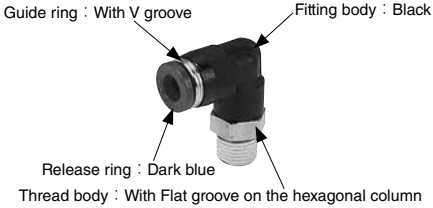
Tube Fitting Mini Clean-room Package



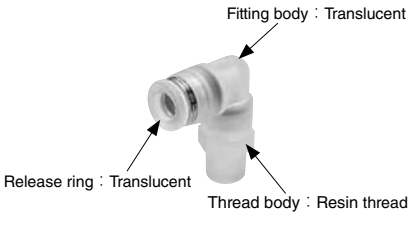
Tube Fitting Stainless SUS303 Equivalent Corrosivity



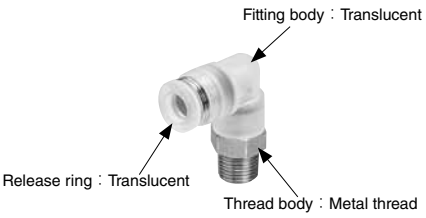
Tube Fitting Stainless SUS304

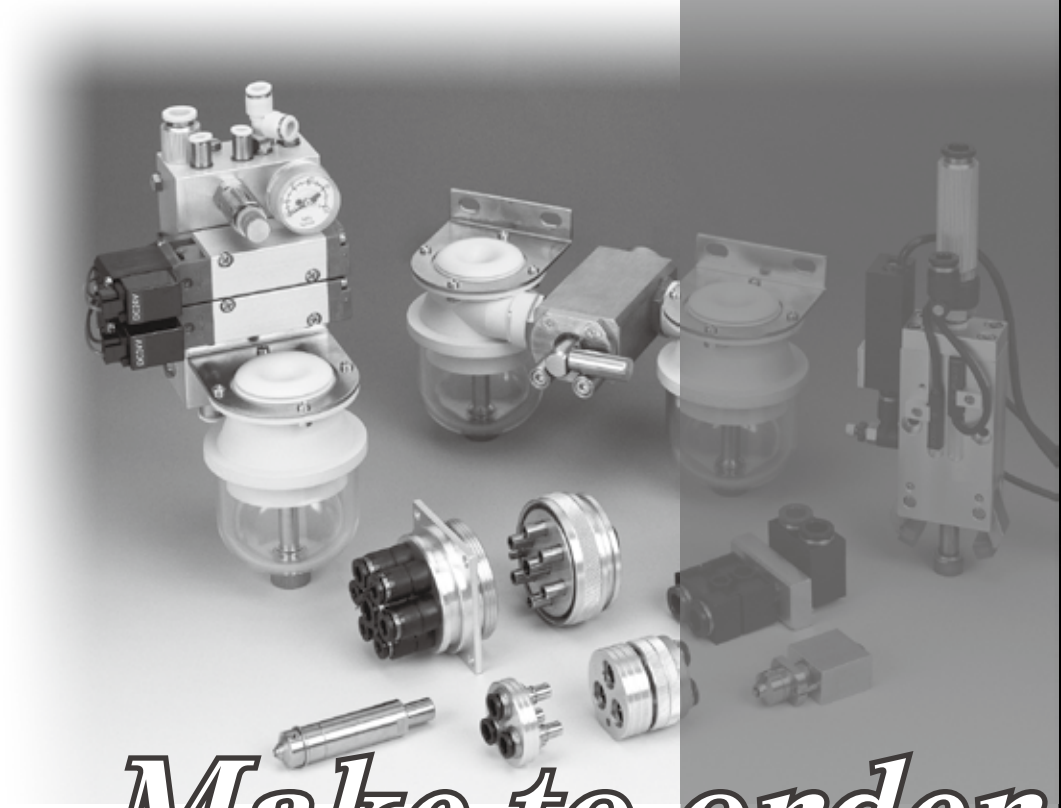


Tube Fitting PP (Thread material : PP)



Tube Fitting PP (Thread material : SUS304)





Make-to-order products

PISCO offers make-to-order products
to support customer's various requirements
such as special specifications,
and special appearances.

Special Options

Characteristics

●*Color option*

Light-gray color option for resin body and release-ring.

●*Seal rubber material option*

Seal Rubber Selection: FKM or EPDM.

●*Oil-free option*

Suitable for Oil-free Environment.

●*Release-ring color option*

Changeable to Red Color

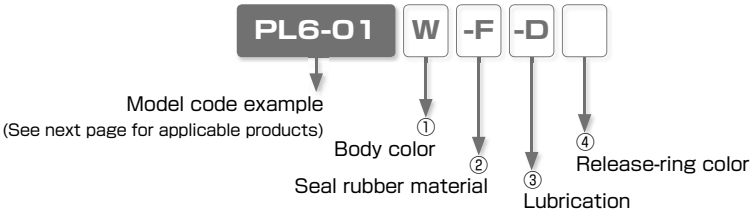
●*Non-purple option*

Suppress CU ion and F ion.

※ Note: With this option, Check Valve and Stop Fitting, etc. do not have marking on the brass parts. Be careful when piping.

※ Consult PISCO for any inquiry of special-made product, which is not listed in this catalog.

Model Designation (Example)



① Body color

Code	W	No code
Body color	Light-gray	Standard color

※ . W: Release-ring color is light-gray

② Seal rubber material

Code	-F	-E	-HN	No code
Material	FKM	EPDM (Oil-free)	HNBR	Standard seal rubber

※ 1. FKM: Release-ring color is brown. Non-purple option is not available with FKM option.
※ 2. EPDM: All oil-free. Release-ring color is yellow.
※ 3. EPDM: Not available for Thread size M3, M6 and Fittings with Inch sized Tube dia.

③ Lubrication

Code	-D	-P	No code
Option	Oil-free	Non-purple	Standard lubrication

※ 1. Oil-free : Release-ring color is yellow.
※ 2. The products with oil-free option are assembled without intentional use of lubrication through its production process. It may cause problems such as degradation of airtightness and increase of friction.
※ 3. Non-purple option is not available with FKM option. No sealock coat is provided on the thread.

④ Release-ring color

Code	-RR	No code
Color	Red	Standard color

※. See next page for "Reference Chart of Special Option" .
※. Contact the nearest sales office for the price.

Reference Chart of Special Option

○ : Available、× : Not available

Series	Standard specification						Special specification						
	Body Color and Packaging / Cleaning option	Body color	Release-ring color	Seal rubber material	Lubrication	Thread sealing	① Body color	② Seal rubber material			③ Lubrication		④ Release-ring color
							Light-gray	FKM	EPDM	HNBR	Oil-free	Non-Purple	Red
							W*1	-F*2	-E*3	-HN	-D*4	-P*2	-RR
Tube Fitting **Standard Series**	Standard	Black	Black	NBR	Turbin oil	With sealock coat	×	○*5	○	○	○	○	○
	Light-gray	Light-gray	Light-gray				Std. option						
	Clean-room Pkg	Light-gray	Light-blue		Fluorochemical grease		×	○	○*6	○	○*6		
	Light-gray + Clean-room pkg	Light-gray	Light-gray				Std. option		○		○	×	×
	Clean washing + Clean-room pkg	Light-gray	Light-blue		Oil-free		×	×	○*6		Std. option		○
Tube Fitting **Mini Series**	Standard	Black	Black	NBR	Turbin oil	With sealock coat	×	○*5,*10	○*10	○*10	○	○	○
	Light-gray	Light-gray	Light-gray				Std. option						
	Clean-room Pkg	Light-gray	Light-blue		Fluorochemical grease		×	○*10	○*6,*10		○*6	×	
	Light-gray + Clean-room pkg	Light-gray	Light-gray				Std. option		○*10		○		×
Tube Fitting **Stainless SUS304 Series**	—	Black	Dark-blue	FKM	Turbin oil	With sealock coat	×	Std. option	○*7	○	○*7	×	—
Tube Fitting **Stainless SUS303 Equiv. corrosivity**	Standard	Black	Dark-blue	HNBR	Turbin oil	With sealock coat	○	○	○*7	Std. option	○*7	○	○
	Clean washing + Clean-room pkg	Black	Dark-blue		Oil-free		×	×			Std. option	×	
Tube Fitting **EG Series**	—	Black	Black	NBR	Turbin oil	With sealock coat	×	○	○*8	○	○*8	○	—
Tube Fitting **Brass Series**	—	—	—	HNBR	Turbin oil	With sealock coat	×	—	×	Std. option	○	○	×
				FKM				Std. option		—			
				NBR				—		—			
Tube Fitting **Long Series**	—	—	Black	NBR	Turbin oil	With sealock coat	×	○*5	○	○	○	○	○
Main Block	Standard	Black	Black	NBR	Turbin oil	With sealock coat	×	○*5	○	○	—	×	○
	Light-gray	Light-gray	Light-gray				Std. option	○					
Connector	—	Black	Black	NBR	Turbin oil	—	×	○*5	○	○	○	×	○
Speed Controller Series	Standard	Black	Black	NBR	Turbin oil	With sealock coat	×	○*13	○*10	○*10,*11	—	○	○
	Light-gray	Light-gray	Light-gray				Std. option	○					
	Clean-room Pkg	Light-gray	Light-blue		Fluorochemical grease		×	*10,*11	○*6,*10			×	
	Light-gray + Clean-room pkg	Light-gray	Light-gray				Std. option	*12	○*10				×
Speed Controller **SUS303 Equiv. corrosivity**	—	Black	Dark-blue	HNBR	Turbin oil	With sealock coat	○	○*11,*12	○*7	Std. option	—	○	○
Needle Valve Series	Standard	Black	Black	NBR	Turbin oil	With sealock coat	×	○*5,*12	○	○	—	○	○
	Light-gray	Light-gray	Light-gray				Std. option						
	Clean-room Pkg	Light-gray	Light-blue		Fluorochemical grease		×	○*12	○*6			×	
	Light-gray + Clean-room pkg	Light-gray	Light-gray				Std. option		○				×
Fixed orifice joint Series	—	Black	Black	NBR	Turbin oil	With sealock coat	○	○	○	○	○	○	○*9
Regulator	—	Black	Black	NBR	Turbin oil	With sealock coat	×	×	×	×	×	○	○
Check Valve (metal body)	—	–	Black	NBR	Turbin oil	With sealock coat	×	○	×	×	—	○	○
Check Valve (resin body)		Light-gray	Light-gray				Std. option						
Low cracking pressure Check Valve	—	Light-gray	Light-gray	HNBR (Elastic sleeve)	Turbin oil	—	Std. option	○ (Elastic sleeve)	○ (Elastic sleeve)	Std. option	○	×	○
				FKM (Poppet valve packing)				Std. option	× (Poppet valve packing)	× (Poppet valve packing)			

*1. When light-gray (-W) is selected for body color, the release-ring color of metric (mm) tube dia. is light-gray even for combination with any other options, except when Red color (-RR) is selected.

*2. Non-purple (-P) option is not available with seal rubber material FKM. No Sealock coating for Non-purple option.

*3. For EPDM (-E) specification of sealing material, the product is assembled as oil-free specification. The color of release-ring of metric (mm) tube size is yellow, except the combination with light-gray specification, which has light-gray release-ring. EPDM (-E) specification is not available for the products with M3 or M6 threads or inch tube dia.

*4. Release-ring color: Yellow. When with light-gray specification, the release-ring color is light-gray.

*5. Release-ring color: Brown.

*6. Release-ring color: Light-blue.

*7. Release-ring color: Dark-blue.

*8. Release-ring color: Black

*9. Release-ring color: Red is not available with body color Light-gray.

*10. Not available for Tube dia. ø1.8mm and ø2mm.

*11. Not available for Low cracking pressure type.

*12. Not available for the products with M3 thread.

*13. See *5, *10, *11 and *12.

*14. Applicable types: JSC, JSS and JSM for Standard Series, JSC-H for High Flow Series, JSC-L and JSS-L for Low Flow Series, JKC and JKL for Constant Flow Series.

※ Consult PISCO for any inquiry of special-made product, which is not listed in this catalog.

Reference chart of Appearance Color Combination with Special Options (Fitting with Metal body)

Series	Resin color or Option	Tube dia. size		Seal rubber material -F FKM	Seal rubber material -E EPDM	Lubrication -D Oil-free	Release-ring color -RR Red
Tube Fitting **Standard Series** / Tube Fitting **Mini Series**	—	(mm size)					
		(inch size)					
Tube Fitting **Standard Series**	Light-gray	(mm size)					
Tube Fitting **Mini Series**	Clean-room Pkg	(mm size)					
		(inch size)					
	Light-gray + Clean-room pkg	(mm size)					
Tube Fitting **Standard Series**	Clean washing + Clean-room pkg	(mm size)				Std. option	
		(inch size)				Std. option	
Tube Fitting **Stainless SUS304 series**	—	(mm size)		Std. option			
Tube Fitting **Stainless SUS303 Equiv. corrosivity**	—	(mm size)					
	Light-gray	(mm size)					
	Clean washing + Clean-room pkg	(mm size)				Std. option	

Reference chart of Appearance Color Combination with Special Options (Fitting with Resin body)

Series	Resin color or Option	Tube dia. size		Seal rubber material -F FKM	Seal rubber material -E EPDM	Lubrication -D Oil-free	Release-ring color -RR Red
Tube Fitting Standard Series / Tube Fitting Mini Series	–	(mm size)					
		(inch size)					
	Light-gray	(mm size)					
		(inch size)					
	Clean-room Pkg	(mm size)					
		(inch size)					
	Light-gray + Clean-room pkg	(mm size)					
Tube Fitting Standard Series	Clean washing + Clean-room pkg	(mm size)				Std. option	
		(inch size)				Std. option	
Tube Fitting Stainless SUS304 series	–	(mm size)		Std. option			
Tube Fitting Stainless SUS303 Equiv. corrosivity	–	(mm size)					
	Light-gray	(mm size)					
	Clean washing + Clean-room pkg	(mm size)				Std. option	

※ Consult PISCO for any inquiry of special-made product, which is not listed in this catalog.

Reference chart of Appearance Color Combination with Special Options (Speed controller and Needle Valve)

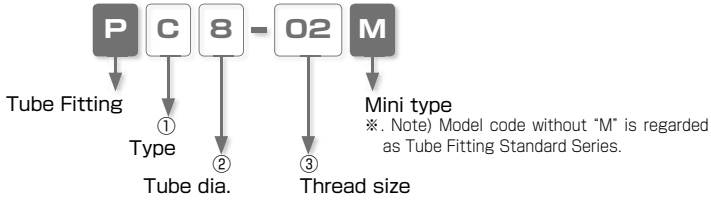
Series	Resin color or Option	Tube dia. size		Seal rubber material		Release-ring color
				-F	-E	-RR
				FKM	EPDM	Red
Speed Controller Series Needle Valve Series	–	(mm size)				
		(inch size)				
	Light-gray	(mm size)				
		(inch size)				
	Clean-room Pkg	(mm size)				
		(inch size)				
	Light-gray + Clean-room pkg	(mm size)				

Space-Saving Options

Characteristics

●*Suitable for Installing in Limited Spaces.*

Model Designation (Example)



① Type

Code	Type	Code	Type	Code	Type
L	Elbow	B	Branch Tee	D	Run Tee

② Tube dia.

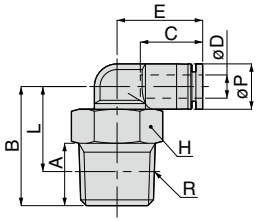
Code	8	10
Size (mm)	ø8	ø10

③ Thread size

Thread size	Taper pipe thread		
Code	01	02	03
Size	R1/8	R1/4	R3/8

※ Consult PISCO for any inquiry of special-made product, which is not listed in this catalog.

PL Mini Elbow

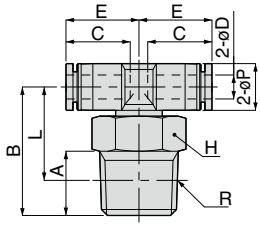


Unit：mm

Model code	Tube O.D. øD	R	A	B	Tube end C	L	Hex. H	E	øP	Weight (g)
PL8-01M	8	R1/8	8	22.5	18.1	18.5	12	21.9	15	11.9
PL8-02M		R1/4	11	25.5		19.5	14			17.5
PL8-03M		R3/8	12	26.5		20.2	17			27.9
PL10-02M	10	R1/4	11	27	20.2	21	14	24.4	18	20.9
PL10-03M		R3/8	12	28		21.7	17			28.8

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

PB Mini Branch Tee

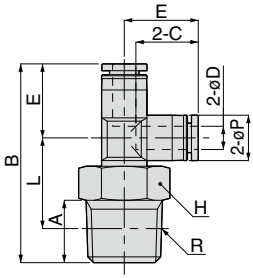


Unit：mm

Model code	Tube O.D. øD	R	A	B	Tube end C	L	Hex. H	E	øP	Weight (g)
PB8-01M	8	R1/8	8	22.5	18.1	18.5	12	21.9	15	12.8
PB8-02M		R1/4	11	25.5		19.5	14			18.2
PB8-03M		R3/8	12	26.5		20.2	17			26.1
PB10-02M	10	R1/4	11	27	20.2	21	14	24.4	18	22.3
PB10-03M		R3/8	12	28		21.7	17			30.4

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

PD Mini Run Tee



Unit：mm

Model code	Tube O.D. øD	R	A	B	Tube end C	L	Hex. H	E	øP	Weight (g)
PD8-01M	8	R1/8	8	44.2	18.1	18.5	12	21.7	15	11.9
PD8-02M		R1/4	11	47.2		19.5	14			17.5
PD8-03M		R3/8	12	48.2		20.2	17			25.3
PD10-02M	10	R1/4	11	52.3	20.2	21	14	25.3	18	21
PD10-03M		R3/8	12	53.3		21.7	17			28.8

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

※Consult PISCO for any inquiry of special-made product, which is not listed in this catalog.