

Tube Fitting Standard Series

Characteristics

Standard type

- This quick-fitting joint is used in pneumatic piping. (Use with water is possible depending on the conditions.)
- The Tube Fitting comes in a wide variety of models to meet all your needs in pneumatic piping.
- Even after installation, the direction of the tubing can be changed freely.

Clean-room Package

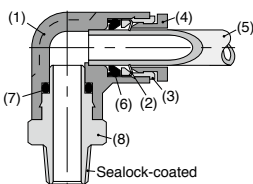
- Non-spattering lubrication (fluorine grease) prevents spattering in clean-room. (Order production)
- The products are washed by clean air, then packed in ISO class 6 clean-room.

Specifications

Type	Standard	Clean-room Package
Fluid medium	Air, water *1, *2, *3	Air
Max. operating pressure	150psi (1MPa)	
Max. vacuum	-29.5in. Hg (-100kPa)	
Operating temp. range	32~140°F (0~60°C)	

- *1. When using water, please limit the level of surge pressure to the maximum operating pressure or less.
- *2. General tap water can be used. Using water other than tap water should be consulted by Pisco.
- *3. When using water, make sure to use appropriate insert ring.

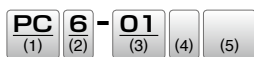
Construction



No	Parts	Standard pkg	Clean-room pkg
(1)	Resin body	PBT	PBT
(2)	Lock claws	stainless steel	stainless steel
(3)	Guide ring	nickel-plated brass	nickel-plated brass
(4)	Release ring	POM	POM
(5)	Tube	urethane or nylon	clean-room ready
(6)	Elastic sleeve	NBR	NBR
(7)	O-ring	NBR	NBR
(8)	Metallic body	nickel-plated brass	nickel-plated brass

- * The gasket of M or UNF thread is made of SUS304 & NBR, but it is made of POM if the fitting is clean-room package specification (C or WC).

Model Designation (Example)



- (1) Type
- (2) Tube dia. (øD) or Thread size (T)

Code	mm size					inch size							
	4	6	8	10	12	16	5/32	3/16	1/4	5/16	3/8	1/2	5/8
Dia.	ø4	ø6	ø8	ø10	ø12	ø16	ø5/32	ø3/16	ø1/4	ø5/16	ø3/8	ø1/2	ø5/8

- * In case (2) is thread size, please choose from the table (3).

- (3) Thread size (T) or Tube dia. (øD)

Code	Metric thread		Taper pipe thread			
	M5	M6	O1	O2	O3	O4
size	M5×0.8	M6×1	R1/8	R1/4	R3/8	R1/2

Code	Unified fine thread		American standard taper pipe thread			
	U10	N1	N2	N3	N4	
size	10-32UNF	NPT1/8	NPT1/4	NPT3/8	NPT1/2	

- * In case (3) is tube size, please choose from the table (2).

- (4) Specification/package option

Code	No code	W	C	WC
Package Classification	Standard pkg		Clean-room pkg	
Specification	Standard	Light-gray	Standard	Light-gray
Release-ring color	Standard	Light gray	Light blue	Light gray
Resin body color	Black	Light gray	Light gray	Light gray
Applicable thread size	M, R	M, R	M, R	M, R
	UNF, NPT	(not available for UNF or NPT as standard)		

- * Please also check a color chart on page 324.

- (5) Wrench size specification

U: inch spec. (NPT, UNF)
No code: mm spec. (M, R)

▶ In case of ordering, please apply Model code in the following chart.

Detailed Safety Instructions

Before using the PISCO device, be sure to read the "Safety Instructions", "Common Safety Instructions for Products Listed in This Manual" on page 13 to 15 and "Common Safety Instructions for Quick-Fitting Joint" on page 18 to 19.

⚠ Warning: 1. When the fluid medium is water, do not use the PISCO device unless the application satisfies all the conditions required in Specifications. Otherwise damage may be caused to the joint body, the tube may come off or leakage may result.

⚠ Caution: 1. The mechanical part of a fitting, including a cleanroom package specification, slides slightly by an internal pressure change, and dusts may be generated. Therefore, please prevent using the fitting in the cleanroom of ISO class 1 to 5. If tube and fitting oscillate or fluctuate, please determine an amount of dust on actual equipment by repeating test runs prior to the start of operation.



The products listed in this page are ECO-friendly products. * Please refer to page 4 for the details of ECO-friendly products.

PC Straight øD	Model type Standard pkg		Model type Clean-room pkg
	PCøD-T (4)	PCøD-TU	PCøD-T (4) C
ø4	PC4-M5 (4)	PC ^{5/32} -U10U	PC4-M5 (4) C
	PC4-M50 (4) *0	PC ^{5/32} -N0U	PC4-M50 (4) C
ø6	PC4-M6 (4)	PC ^{5/32} -N1U	PC4-M6 (4) C
	PC4-01 (4)	PC ^{5/32} -N2U	PC4-01 (4) C
ø8	PC4-02 (4)	PC ^{3/16} -U10U	PC4-02 (4) C
	PC6-M5 (4)	PC ^{3/16} -N0U	PC6-M5 (4) C
ø10	PC6-M6 (4)	PC ^{3/16} -N1U	PC6-M6 (4) C
	PC6-01 (4)	PC ^{3/16} -N2U	PC6-01 (4) C
ø12	PC6-02 (4)	PC ^{3/16} -N3U	PC6-02 (4) C
	PC6-03 (4)	PC ^{1/4} -U10U	PC6-03 (4) C
ø16	PC8-01 (4)	PC ^{1/4} -N0U	PC8-01 (4) C
	PC8-02 (4)	PC ^{1/4} -N1U	PC8-02 (4) C
ø5/32	PC8-03 (4)	PC ^{1/4} -N2U	PC8-03 (4) C
	PC10-01 (4)	PC ^{1/4} -N3U	PC10-01 (4) C
ø3/16	PC10-02 (4)	PC ^{5/16} -N1U	PC10-02 (4) C
	PC10-03 (4)	PC ^{5/16} -N2U	PC10-03 (4) C
ø1/4	PC10-04 (4)	PC ^{5/16} -N3U	PC10-04 (4) C
	PC12-02 (4)	PC ^{3/8} -N1U	PC12-02 (4) C
ø3/8	PC12-03 (4)	PC ^{3/8} -N2U	PC12-03 (4) C
	PC12-04 (4)	PC ^{3/8} -N3U	PC12-04 (4) C
ø1/2	PC16-03 (4)	PC ^{3/8} -N4U	PC16-03 (4) C
	PC16-04 (4)	PC ^{1/2} -N2U	PC16-04 (4) C
ø5/8	PC ^{5/32} -M5 (4)	PC ^{1/2} -N3U	PC ^{5/32} -M5 (4) C
	PC ^{5/32} -01 (4)	PC ^{1/2} -N4U	PC ^{5/32} -01 (4) C
ø1	PC ^{5/32} -02 (4)	PC ^{5/8} -N3U	PC ^{5/32} -02 (4) C
	PC ^{3/16} -M5 (4)	PC ^{5/8} -N4U	PC ^{3/16} -M5 (4) C
ø1 1/8	PC ^{3/16} -01 (4)	PC4-N0U *1	PC ^{3/16} -01 (4) C
	PC ^{3/16} -02 (4)	PC4-N1U	PC ^{3/16} -02 (4) C
ø1 1/4	PC ^{1/4} -M5 (4)	PC4-N2U	PC ^{1/4} -M5 (4) C
	PC ^{1/4} -01 (4)	PC6-N0U *1	PC ^{1/4} -01 (4) C
ø1 1/2	PC ^{1/4} -02 (4)	PC6-N1U	PC ^{1/4} -02 (4) C
	PC ^{1/4} -03 (4)	PC6-N2U	PC ^{1/4} -03 (4) C
ø1 3/8	PC ^{5/16} -01 (4)	PC8-N1U	PC ^{5/16} -01 (4) C
	PC ^{5/16} -02 (4)	PC8-N2U	PC ^{5/16} -02 (4) C
ø1 1/2	PC ^{5/16} -03 (4)	PC8-N3U	PC ^{5/16} -03 (4) C
	PC ^{3/8} -01 (4)	PC10-N1U *1	PC ^{3/8} -01 (4) C
ø1 3/4	PC ^{3/8} -02 (4)	PC10-N2U	PC ^{3/8} -02 (4) C
	PC ^{3/8} -03 (4)	PC10-N3U	PC ^{3/8} -03 (4) C
ø1 7/8	PC ^{3/8} -04 (4)	PC10-N4U	PC ^{3/8} -04 (4) C
	PC ^{1/2} -02 (4)	PC12-N2U *1	PC ^{1/2} -02 (4) C
ø1 7/8	PC ^{1/2} -03 (4)	PC12-N3U	PC ^{1/2} -03 (4) C
	PC ^{1/2} -04 (4)	PC12-N4U	PC ^{1/2} -04 (4) C
ø1 3/4	PC ^{3/4} -03 (4)	PC16-N3U *1	PC ^{3/4} -03 (4) C
	PC ^{3/4} -04 (4)	PC16-N4U *1	PC ^{3/4} -04 (4) C



Cautions

- *0. PC4-M50 is a slender type of PC4-M5 (Wrench size: 8mm)
- *1. Custom-made, build to order production
- *2. The white-letter model type in (4) is new model.
- *3. (4) is replaced with "W" if Light-gray specification is required otherwise please leave it blank.
- *4. The option: W, C, or WC is build to order production.
- *5. The model with low sales average may be build to order production. For details, please contact Pisco sales office or sales representative.



Package specifications
10 pcs. in a bag: Standard pkg
1 pc. in a bag (10 pcs./set): Clean-room pkg