

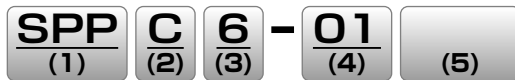
Tube Fitting PP SUS303 Equivalent Corrosivity

PP resin Push-in fitting for clean environment (metal part: SUS303 equivalent corrosivity)

⚠ Safety instructions for this product

Safety instructions, Common safety instructions for each product category and Detailed safety instructions for each product are in the end of this catalog and our website.

Model Designation (Example)



(1) Tube Fitting PP Series SUS303 Equivalent Corrosivity

(2) Type

(3) Tube dia. (øD)

Code	4	6	8	10	12
Tube O.D.(mm)	ø4	ø6	ø8	ø10	ø12

(4) Thread size(R)

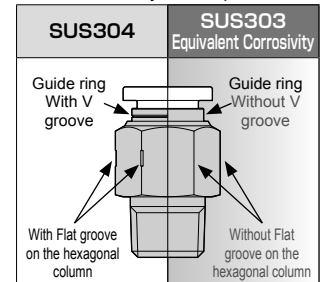
Code	Metric thread		Taper pipe thread			
	M3	M5	01	02	03	04
Size	M3×0.5	M5×0.8	R1/8	R1/4	R3/8	R1/2

*In case that (4) indicates tube dia., select tube dia. from table (3).

(5) Thread body material

Code	No code	SP
Material	PP (Polypropylene)	SUS303 Equivalent corrosivity

■ How to identify similar products



*When the screw body is made of resin, only the guide ring part can be identified.

Characteristics

Metal material: Up to 30% cost reduction compared to SUS304 type.

Low price is achieved by omitting options and selling in units of 10 pieces/1 bag.

PP (Polypropylene) is selected for the body material to adapt to clean environment.

The metal material is special stainless steel of SUS303 equivalent corrosivity, and EPDM is used as the seal material.

Oil-free specification meets needs in a wide range of fields.

Visible fluid by transparent body color.

Easy to check sanitary conditions visually.

Resin and metal are available as thread body materials.

Resin screws have no exposed metal in the wetted parts and weight is less than half of the standard tube fitting.

Selectable from PP resin or special stainless steel (SUS303 equivalent corrosivity), according to the application.

Specifications

Fluid medium	Air, Water (Conditional* ¹), Other chemicals (Conditional* ¹)
Max. operating pressure	1.0 MPa (at 0 to 20°C)* ²
Max. vacuum	-100 kPa
Operating temp. range	0 to 80°C (no freezing)

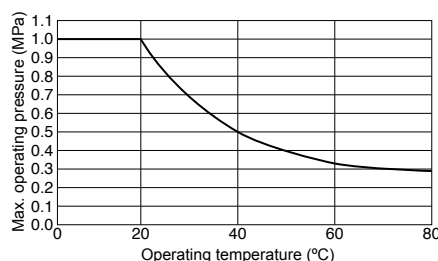
△ Warning

*1. Make sure to follow the instructions below when the fluid medium is water or liquid.

- When using water or liquid, the surge pressure must be kept below the maximum operating pressure.
- General tap water in Japan, free from foreign substances or contamination, can be used. Carry out the evaluation under an actual operating condition for using other kind of water.
- Be sure to use Insert Ring (WR) when using water or liquid as a fluid medium.
- As for chemicals, mixed gas, etc., they may vary depending on the conditions of use, so please check the compatibility of our specifications before use.

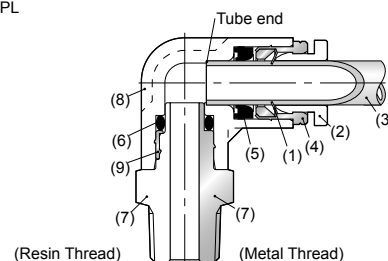
*2. When operating temp. exceeds 20°C, refer to the following chart "Relation of Operating Temp. & Max. Operating Pressure".

Relation of Operating Temp. & Max. Operating Pressure



Sectional drawing

Elbow type: SSPL



Thread material		Resin	Metal
No.	Parts	Material	
(1)	Lock claws	Stainless steel	
(2)	Release-ring	PP	
(3)	Tube	Fluororesin and Polyolefin etc.	
(4)	Guide ring	Special stainless steel (Austenite or ferritic)	
(5)	Elastic sleeve	EPDM	
(6)	O-ring	EPDM	
(7)	Thread body	PP	Special stainless steel (Austenite or ferritic) or SUS303. * ¹
(8)	Resin body	PP	
(9)	Press fitted ring	Special stainless steel (Austenite or ferritic)	-

*1. Gaskets (SUS304 + EPDM) are attached to a metal type of M3 and M5 threads.

*2. Corrosion resistance of special stainless steel is equivalent to SUS303.

Tube Fitting PP SUS303 Equivalent Corrosivity

RoHS2 (2011/65/EU+EU2015/863) compliant

Thread body material: PP					
Type	Model code SPPCøD-R	Type	Model code SPPLøD-R	Type	Model code SPPBøD-R
Straight SPPC 	SPPC4-01	Elbow SPPL 	SPPL4-01	Branch Tee SPPB 	SPPB4-01
	SPPC4-02		SPPL4-02		SPPB4-02
	SPPC6-01		SPPL6-01		SPPB6-01
	SPPC6-02		SPPL6-02		SPPB6-02
	SPPC6-03		SPPL6-03		SPPB6-03
	SPPC8-01		SPPL8-01		SPPB8-01
	SPPC8-02		SPPL8-02		SPPB8-02
	SPPC8-03		SPPL8-03		SPPB8-03
	SPPC10-02		SPPL10-02		SPPB10-02
	SPPC10-03		SPPL10-03		SPPB10-03
	SPPC12-03		SPPL12-03		SPPB12-03
	SPPC12-04		SPPL12-04		SPPB12-04
	Type		Model code SPPDøD-R		Type
Run Tee SPPD 	SPPD4-01	Branch Y SPPX 	SPPX4-01		
	SPPD4-02		SPPX4-02		
	SPPD6-01		SPPX6-01		
	SPPD6-02		SPPX6-02		
	SPPD6-03		SPPX6-03		
	SPPD8-01		SPPX8-01		
	SPPD8-02		SPPX8-02		
	SPPD8-03		SPPX8-03		
	SPPD10-02		SPPX10-02		
	SPPD10-03		SPPX10-03		
	SPPD12-03		SPPX12-03		
	SPPD12-04		SPPX12-04		

Thread body material: Special stainless steel of SUS303 equivalent corrosivity								
Type	Model code SPPCøD-RSP	Type	Model code SPPLøD-RSP	Type	Model code SPPBøD-RSP			
Straight SPPC 	SPPC4-M3SP	Elbow SPPL 	SPPL4-M3SP	Branch Tee SPPB 	SPPB4-M3SP			
	SPPC4-M5SP		SPPL4-M5SP		SPPB4-M5SP			
	SPPC4-01SP		SPPL4-01SP		SPPB4-01SP			
	SPPC4-02SP		SPPL4-02SP		SPPB4-02SP			
	SPPC6-M5SP		SPPL6-M5SP		SPPB6-M5SP			
	SPPC6-01SP		SPPL6-01SP		SPPB6-01SP			
	SPPC6-02SP		SPPL6-02SP		SPPB6-02SP			
	SPPC6-03SP		SPPL6-03SP		SPPB6-03SP			
	SPPC8-01SP		SPPL8-01SP		SPPB8-01SP			
	SPPC8-02SP		SPPL8-02SP		SPPB8-02SP			
	SPPC8-03SP		SPPL8-03SP		SPPB8-03SP			
	SPPC10-02SP		SPPL10-02SP		SPPB10-02SP			
	SPPC10-03SP		SPPL10-03SP		SPPB10-03SP			
	SPPC12-03SP		SPPL12-03SP		SPPB12-03SP			
	SPPC12-04SP		SPPL12-04SP		SPPB12-04SP			
	Type		Model code SPPDøD-RSP		Type	Model code SPPXøD-RSP		
	Run Tee SPPD 		SPPD4-M3SP		Branch Y SPPX 	SPPX4-M3SP		
SPPD4-M5SP		SPPX4-M5SP						
SPPD4-01SP		SPPX4-01SP						
SPPD4-02SP		SPPX4-02SP						
SPPD6-M5SP		SPPX6-M5SP						
SPPD6-01SP		SPPX6-01SP						
SPPD6-02SP		SPPX6-02SP						
SPPD6-03SP		SPPX6-03SP						
SPPD8-01SP		SPPX8-01SP						
SPPD8-02SP		SPPX8-02SP						
SPPD8-03SP		SPPX8-03SP						
SPPD10-02SP		SPPX10-02SP						
SPPD10-03SP		SPPX10-03SP						
SPPD12-03SP		SPPX12-03SP						
SPPD12-04SP		SPPX12-04SP						

 CAD data is available
at PISCO website.

 Packaging specifications
10 pcs. /bag



CAD data is available
at PISCO website.



Packaging specifications
10 pcs. /bag

RoHS2 (2011/65/EU+EU2015/863) compliant

Type	Model code SPPU ϕ D	Type	Model code SPPY ϕ D	Type	Model code SPPE ϕ D
Union Straight SPPU 	SPPU4 SPPU6 SPPU8 SPPU10 SPPU12	Union Y SPPY 	SPPY4 SPPY6 SPPY8 SPPY10 SPPY12	Union Tee SPPE 	SPPE4 SPPE6 SPPE8 SPPE10 SPPE12
Type	Model code SPPG ϕ D ₁ - ϕ D ₂	Type	Model code SPPW ϕ D ₁ - ϕ D ₂	Type	Model code SPPEG ϕ D ₁ - ϕ D ₂
Unequal Union Straight SPPG 	SPPG6-4 SPPG8-6 SPPG10-8 SPPG12-10	Unequal Union Y SPPW 	SPPW6-4 SPPW8-6 SPPW10-8 SPPW12-10	Unequal Union Tee SPPEG 	SPPEG6-4 SPPEG8-6 SPPEG10-8 SPPEG12-10
Type	Model code SPPV ϕ D	Type	Model code SPPGJ ϕ D ₁ - ϕ D ₂	Type	Model code PPP ϕ D
Union Elbow SPPV 	SPPV4 SPPV6 SPPV8 SPPV10 SPPV12	Plug-in Reducer SPPGJ 	SPPGJ6-4 SPPGJ8-4 SPPGJ8-6 SPPGJ10-6 SPPGJ10-8 SPPGJ12-8 SPPGJ12-10	Plug PPP 	PPP4 PPP6 PPP8 PPP10 PPP12
Type	Model code SPPMP ϕ D				
Bulkhead Union P SPPMP 	SPPMP4 SPPMP6 SPPMP8 SPPMP10 SPPMP12				

 CAD data is available
at PISCO website.

 Packaging specifications
10 pcs. / bag: Except PPP.
1 pc. / bag: PPP