Tube Fitting SUS316

Anti corrosive SUS316 Push-in fitting.

⚠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)

SSP	C	6	–	01			
(1)	(2)	(3)		(4)	(5)	(6)	(7)

(1) Tube Fitting SUS316

(2) Type

(3) Tube dia. (øD)

Code	4	6	8	10	12	16
Tube O.D. (mm)	ø4	ø6	ø8	ø10	ø12	ø16

(4) Thread size (R)

	Metric thread	Taper pipe thread			
Code	M5	01	02	03	04
Size	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) grease spec. (Optional)

Code	No code	-X
Grease	Oil-free *1	Fluorine-based grease spec. *2

*1. Seal rubber (FKM) has a fluorine coating.
*2. Fluorine grease applied on seal rubber (FKM).

(6) Thread sealing spec. (Optional) (British standard pipe thread tapered only)

Code	No code	-TP
Thread sealing	Without Sealock No seal tape	Thread sealing (Seal tape is applied on thread part)

(7) Packaging spec. (Optional)

Code	No code	-C
Spec.	Standard pkg.	Clean-room pkg.

Characteristics

Operatability in tube release is widely improved by adopting lock-claws.

Ease of handling is improved compared to the conventional collet type.

Down-sizing compared with conventional products resulting in lower cost.

Approximately 20% down sized by volume (For elbow). Cost reduction is also realized.

Push-in fitting made of SUS316 with high resistance to corrosion.

Best suited for industrial fields such as Chemical, Medical, Semiconductor, Solar cell, Secondary battery.

Fitting components are all oil-free.

Food Sanitation Act. (Japan) compliant.

* Refer to Page 6 for details.

● Clean-room pkg. spec. (Optional)

Best suited for piping in clean environment.

The products are assembled with fluorine grease, washed by clean air, then packed in ISO class 6 equivalent clean-room.

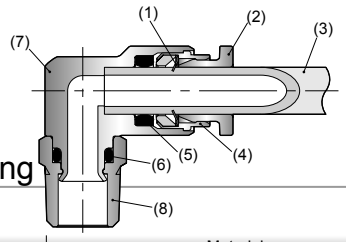
Specifications

Fluid medium	Air, Water (Conditional*), Other chemicals (Conditional*)
Max. operating pressure	1.0 MPa
Max. vacuum	-100 kPa
Operating temp. range	-5 to 150°C (no freezing)

⚠ Warning
* The following conditions must be observed when the fluid medium is water or liquid.
1. Surge pressure must be controlled lower than max. operating pressure when using water or liquid as a fluid medium.
2. 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.
3. Be sure to use Insert Ring (WR) when using water or liquid as a fluid medium.
4. 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.

Sectional drawing

Elbow type: SSPL



No,	Parts	Material
(1)	Lock-claws	SUS316
(2)	Release-ring	SUS316 *1
(3)	Tube	Fluororesin (PFA), (FEP) or Polyamide, etc.
(4)	Guide-ring	SUS316
(5)	Elastic sleeve	FKM *1
(6)	O-ring	FKM *1
(7)	Metallic body	SUS316
(8)	Threaded metallic body	SUS316 *2

*1. Fluorine coating
*2. Gasket material of metric (M) thread is SUS316 + FKM. No Sealock coating is applied on taper pipe thread.

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

Type	Model code SSPCøD-R[5][6][7]
Straight SSPC 	SSPC4-M5[5][7]
	SSPC4-01[5][6][7]
	SSPC4-02[5][6][7]
	SSPC6-M5[5][7]
	SSPC6-01[5][6][7]
	SSPC6-02[5][6][7]
	SSPC6-03[5][6][7]
	SSPC8-01[5][6][7]
	SSPC8-02[5][6][7]
	SSPC8-03[5][6][7]
	SSPC10-01[5][6][7]
	SSPC10-02[5][6][7]
	SSPC10-03[5][6][7]
	SSPC10-04[5][6][7]
	SSPC12-02[5][6][7]
	SSPC12-03[5][6][7]
	SSPC12-04[5][6][7]
	SSPC16-03[5][6][7]
	SSPC16-04[5][6][7]

Type	Model code SSPLøD-R[5][6][7]
Elbow SSPL 	SSPL4-M5[5][7]
	SSPL4-01[5][6][7]
	SSPL4-02[5][6][7]
	SSPL6-M5[5][7]
	SSPL6-01[5][6][7]
	SSPL6-02[5][6][7]
	SSPL6-03[5][6][7]
	SSPL8-01[5][6][7]
	SSPL8-02[5][6][7]
	SSPL8-03[5][6][7]
	SSPL10-01[5][6][7]
	SSPL10-02[5][6][7]
	SSPL10-03[5][6][7]
	SSPL10-04[5][6][7]
	SSPL12-02[5][6][7]
	SSPL12-03[5][6][7]
	SSPL12-04[5][6][7]
	SSPL16-03[5][6][7]
	SSPL16-04[5][6][7]

Type	Model code SSPBøD-R[5][6][7]
Branch Tee SSPB 	SSPB4-M5[5][7]
	SSPB4-01[5][6][7]
	SSPB4-02[5][6][7]
	SSPB6-M5[5][7]
	SSPB6-01[5][6][7]
	SSPB6-02[5][6][7]
	SSPB6-03[5][6][7]
	SSPB8-01[5][6][7]
	SSPB8-02[5][6][7]
	SSPB8-03[5][6][7]
	SSPB10-01[5][6][7]
	SSPB10-02[5][6][7]
	SSPB10-03[5][6][7]
	SSPB10-04[5][6][7]
	SSPB12-02[5][6][7]
	SSPB12-03[5][6][7]
	SSPB12-04[5][6][7]
	SSPB16-03[5][6][7]
	SSPB16-04[5][6][7]

Type	Model code SSPOCøD-R[5][6][7]
Inner Hex. Straight SSPOC 	SSPOC4-M5[5][7]
	SSPOC4-01[5][6][7]
	SSPOC6-M5[5][7]
	SSPOC6-01[5][6][7]
	SSPOC6-02[5][6][7]
	SSPOC8-01[5][6][7]
	SSPOC8-02[5][6][7]
	SSPOC8-03[5][6][7]
	SSPOC10-01[5][6][7]
	SSPOC10-02[5][6][7]
	SSPOC10-03[5][6][7]
	SSPOC10-04[5][6][7]
	SSPOC12-02[5][6][7]
	SSPOC12-03[5][6][7]
	SSPOC12-04[5][6][7]
	SSPOC16-03[5][6][7]
	SSPOC16-04[5][6][7]

Type	Model code SSPUøD[5][7]
Union Straight SSPU 	SSPU4[5][7]
	SSPU6[5][7]
	SSPU8[5][7]
	SSPU10[5][7]
	SSPU12[5][7]
	SSPU16[5][7]

Type	Model code SSPGøD1-øD2[5][7]
Unequal Union Straight SSPG 	SSPG6-4[5][7]
	SSPG8-6[5][7]
	SSPG10-8[5][7]
	SSPG12-10[5][7]
	SSPG16-12[5][7]

Type	Model code SSPMøD[5][7]
Bulkhead Union SSPM 	SSPM4[5][7]
	SSPM6[5][7]
	SSPM8[5][7]
	SSPM10[5][7]
	SSPM12[5][7]
	SSPM16[5][7]

Type	Model code SSPVøD[5][7]
Union Elbow SSPV 	SSPV4[5][7]
	SSPV6[5][7]
	SSPV8[5][7]
	SSPV10[5][7]
	SSPV12[5][7]
	SSPV16[5][7]

Type	Model code SSPEøD[5][7]
Union Tee SSPE 	SSPE4[5][7]
	SSPE6[5][7]
	SSPE8[5][7]
	SSPE10[5][7]
	SSPE12[5][7]
	SSPE16[5][7]

Type	Model code SSPYøD[5][7]
Union Y SSPY 	SSPY4[5][7]
	SSPY6[5][7]
	SSPY8[5][7]
	SSPY10[5][7]
	SSPY12[5][7]
	SSPY16[5][7]

CAD data is available at PISCO website.

Packaging specifications
1 pc. /bag

Standard Optional

Code	[5] : -X	[6] : -TP	[7] : -C
Specifications	Fluorine-based grease (Fill in [5] with "-X")	Seal tape on thread (Fill in [6] with "-TP")	Clean-room pkg. (Fill in [7] with "-C")