

Tube Fitting SUS316 Compression Fitting

Anti corrosive SUS316 Compression 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)



(1) SUS316 Compression Fitting

(2) Type

(3) Tube dia. ϕ D (O.D. x I.D.)

Code	mm size (mm)												inch size (inch)			
	0420	0425 ¹	0640	0850 ²	0860 ²	1065	1075	1080	1280	1290	1210	1611 ³	1613 ³	1/4	3/8	1/2
Tube O.D.	ϕ 4	ϕ 4	ϕ 6	ϕ 8	ϕ 8	ϕ 10	ϕ 10	ϕ 10	ϕ 12	ϕ 12	ϕ 12	ϕ 16	ϕ 16	ϕ 1/4	ϕ 3/8	ϕ 1/2
Tube I.D.	ϕ 2	ϕ 2.5	ϕ 4	ϕ 5	ϕ 6	ϕ 6.5	ϕ 7.5	ϕ 8	ϕ 8	ϕ 9	ϕ 10	ϕ 11	ϕ 13	ϕ 0.180	ϕ 0.275	ϕ 0.376
Cap nut	4		6		8		10		12		16		1/4	3/8	1/2	
Disc spring washer	12		14		16		18		20		24		14	18	20	

*1. Please order tube O.D. 4 mm size for inch size 5/32.

*2. Please order tube O.D. 8 mm size for inch size 5/16.

*3. Please order tube O.D. 16 mm size for inch size 5/8.

*4. To order Cap nut alone, please select the code from "Cap nut".

*5. To order Disc spring washer alone for Bulkhead type fitting, please select the code from "Disc spring washer". However, please select the code from (4) for the disc spring washer for Bulkhead socket type fitting (NSMFF).

(4) Thread size (R, Rc)

Code	British standard pipe thread tapered			
	01	02	03	04
Male thread size	R1/8	R1/4	R3/8	R1/2
Female thread size	Rc1/8	Rc1/4	Rc3/8	Rc1/2
Disc spring washer	14	18	22	27

* To order Disc spring washer alone for Bulkhead type fitting (NSMFF), please select the code from "Disc spring washer".

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

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

Characteristics

Compression fitting made of SUS316 with high resistance to corrosion.

Best suited for piping in a special environment in the market requiring airtightness (Medical, Semiconductor, Solar cell, Secondary battery, Food-related), as well as Chemical.

Inch tube size is available.

Various sizes and types

Tube size for Polyurethane tube is available.

* Available for Straight (NSC) and Elbow (NSL) type only.

Food Sanitation Act. (Japan) compliant.

* See page 6 for details.

Clean-room pkg.

Best suited for piping in clean environment.

The products are 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	Follow max. operating pressure of tube specifications
Max. vacuum	-100 kPa
Operating temp. range	Follow operating temp. range of tube specifications. (No freezing) *2

⚠ Warning

*1. The following conditions must be observed when the fluid medium is water or liquid.

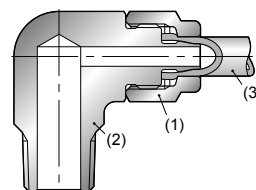
- Surge pressure must be controlled lower than max. operating pressure when using water or liquid as a fluid medium.
- General tap water in Japan, free from foreign substances or contamination, can be used. Carry out the evaluation under an actual operating condition for using other kind of water.
- 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. The operating temperature range of the product conforms to the operating temperature range of the tube used, but there is a risk of damage if the unit is subjected to excessive strain when used at high temperatures.

*3. Due to the structure of the fitting, product performance will deteriorate when using a soft tube. Be sure to check the tube before use.







Sectional drawing

Elbow type : NSL



No.	Parts	Material
(1)	Cap nut	SUS316 (Fluorine coating)
(2)	Metallic body	SUS316
(3)	Tube	Various PISCO tubes can be used.

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

Type	Model code NSCøD-R ^[5]	Type	Model code NSLøD-R ^[5]	Type	Model code NSBøD-R ^[5]		
Straight NSC 	NSC0420-01 ^[5]	Elbow NSL 	NSL0420-01 ^[5]	Branch Tee NSB 	NSB0420-01 ^[5]		
	NSC0420-02 ^[5]		NSL0420-02 ^[5]		NSB0420-02 ^[5]		
	NSC0425-01 ^[5]		NSL0425-01 ^[5]		NSB0425-01 ^[5]		
	NSC0425-02 ^[5]		NSL0425-02 ^[5]		NSB0425-02 ^[5]		
	NSC0640-01 ^[5]		NSL0640-01 ^[5]		NSB0640-01 ^[5]		
	NSC0640-02 ^[5]		NSL0640-02 ^[5]		NSB0640-02 ^[5]		
	NSC0640-03 ^[5]		NSL0640-03 ^[5]		NSB0640-03 ^[5]		
	NSC0850-01 ^[5]		NSL0850-01 ^[5]		NSB0860-01 ^[5]		
	NSC0850-02 ^[5]		NSL0850-02 ^[5]		NSB0860-02 ^[5]		
	NSC0850-03 ^[5]		NSL0850-03 ^[5]		NSB0860-03 ^[5]		
	NSC0860-01 ^[5]		NSL0860-01 ^[5]		NSB1075-02 ^[5]		
	NSC0860-02 ^[5]		NSL0860-02 ^[5]		NSB1075-03 ^[5]		
	NSC0860-03 ^[5]		NSL0860-03 ^[5]		NSB1075-04 ^[5]		
	NSC1065-02 ^[5]		NSL1065-02 ^[5]		NSB1080-02 ^[5]		
	NSC1065-03 ^[5]		NSL1065-03 ^[5]		NSB1080-03 ^[5]		
	NSC1065-04 ^[5]		NSL1065-04 ^[5]		NSB1080-04 ^[5]		
	NSC1075-02 ^[5]		NSL1075-02 ^[5]		NSB1290-02 ^[5]		
	NSC1075-03 ^[5]		NSL1075-03 ^[5]		NSB1290-03 ^[5]		
	NSC1075-04 ^[5]		NSL1075-04 ^[5]		NSB1290-04 ^[5]		
	NSC1080-02 ^[5]		NSL1080-02 ^[5]		NSB1210-02 ^[5]		
	NSC1080-03 ^[5]		NSL1080-03 ^[5]		NSB1210-03 ^[5]		
	NSC1080-04 ^[5]		NSL1080-04 ^[5]		NSB1210-04 ^[5]		
	NSC1280-02 ^[5]		NSL1280-02 ^[5]		NSB1613-03 ^[5]		
	NSC1280-03 ^[5]		NSL1280-03 ^[5]		NSB1613-04 ^[5]		
	NSC1280-04 ^[5]		NSL1280-04 ^[5]		<th>Type</th> <th>Model code NSDøD-R^[5]</th>	Type	Model code NSDøD-R ^[5]
	NSC1290-02 ^[5]		NSL1290-02 ^[5]			Run Tee NSD 	NSD0420-01 ^[5]
	NSC1290-03 ^[5]		NSL1290-03 ^[5]			NSD0420-02 ^[5]	
	NSC1290-04 ^[5]		NSL1290-04 ^[5]			NSD0425-01 ^[5]	
	NSC1210-02 ^[5]		NSL1210-02 ^[5]			NSD0425-02 ^[5]	
	NSC1210-03 ^[5]		NSL1210-03 ^[5]			NSD0640-01 ^[5]	
	NSC1210-04 ^[5]		NSL1210-04 ^[5]			NSD0640-02 ^[5]	
	NSC1611-03 ^[5]		NSL1611-03 ^[5]			NSD0640-03 ^[5]	
	NSC1611-04 ^[5]		NSL1611-04 ^[5]			NSD0860-01 ^[5]	
	NSC1613-03 ^[5]		NSL1613-03 ^[5]			NSD0860-02 ^[5]	
	NSC1613-04 ^[5]		NSL1613-04 ^[5]			NSD0860-03 ^[5]	
	NSC ¹ / ₄ -01 ^[5]		NSL ¹ / ₄ -01 ^[5]			NSD1075-02 ^[5]	
	NSC ¹ / ₄ -02 ^[5]		NSL ¹ / ₄ -02 ^[5]			NSD1075-03 ^[5]	
	NSC ¹ / ₄ -03 ^[5]		NSL ¹ / ₄ -03 ^[5]			NSD1075-04 ^[5]	
	NSC ³ / ₈ -02 ^[5]		NSL ³ / ₈ -02 ^[5]			NSD1080-02 ^[5]	
	NSC ³ / ₈ -03 ^[5]		NSL ³ / ₈ -03 ^[5]			NSD1080-03 ^[5]	
	NSC ³ / ₈ -04 ^[5]		NSL ³ / ₈ -04 ^[5]			NSD1080-04 ^[5]	
	NSC ¹ / ₂ -02 ^[5]		NSL ¹ / ₂ -02 ^[5]			NSD1290-02 ^[5]	
NSC ¹ / ₂ -03 ^[5]	NSL ¹ / ₂ -03 ^[5]	NSD1290-03 ^[5]					
NSC ¹ / ₂ -04 ^[5]	NSL ¹ / ₂ -04 ^[5]	NSD1290-04 ^[5]					
Type	Model code NSUøD	Type	Model code NSVøD	NSD1210-02 ^[5]			
Union Straight NSU 	NSU0420	Union Elbow NSV 	NSV0420	NSD1210-03 ^[5]			
	NSU0425		NSV0425	NSD1210-04 ^[5]			
	NSU0640		NSV0640	NSD1613-03 ^[5]			
	NSU0860		NSV0860	NSD1613-04 ^[5]			
	NSU1075		NSV1075				
	NSU1080		NSV1080				
	NSU1290		NSV1290				
	NSU1210		NSV1210				
	NSU1613		NSV1613				

CAD data is available at PISCO website.









Packaging specifications 1 pc. /bag


Standard Optional


Code	^[5] : -TP
Specifications	Seal tape on thread (Fill in ^[5] with "-TP")

Tube Fitting SUS316 Compression Fitting

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

Type	Model code NSEøD	Type	Model code NSMFøD-Rc	Type	Model code NSCFøD-Rc
Union Tee NSE 	NSE0420	Bulkhead Female Straight NSMF 	NSMF0420-01 NSMF0420-02 NSMF0425-01 NSMF0425-02 NSMF0640-01 NSMF0640-02 NSMF0640-03 NSMF0860-01 NSMF0860-02 NSMF0860-03 NSMF1075-01 NSMF1075-02 NSMF1075-03 NSMF1075-04 NSMF1080-01 NSMF1080-02 NSMF1080-03 NSMF1080-04 NSMF1290-02 NSMF1290-03 NSMF1290-04 NSMF1210-02 NSMF1210-03 NSMF1210-04 NSMF1613-03 NSMF1613-04 NSMF ¹ / ₄ -01 NSMF ¹ / ₄ -02 NSMF ¹ / ₄ -03 NSMF ³ / ₈ -01 NSMF ³ / ₈ -02 NSMF ³ / ₈ -03 NSMF ³ / ₈ -04 NSMF ¹ / ₂ -02 NSMF ¹ / ₂ -03 NSMF ¹ / ₂ -04	Female Straight NSCF 	NSCF0420-01 NSCF0420-02 NSCF0425-01 NSCF0425-02 NSCF0640-01 NSCF0640-02 NSCF0640-03 NSCF0860-01 NSCF0860-02 NSCF0860-03 NSCF1075-01 NSCF1075-02 NSCF1075-03 NSCF1075-04 NSCF1080-01 NSCF1080-02 NSCF1080-03 NSCF1080-04 NSCF1290-02 NSCF1290-03 NSCF1290-04 NSCF1210-02 NSCF1210-03 NSCF1210-04 NSCF1613-03 NSCF1613-04 NSCF ¹ / ₄ -01 NSCF ¹ / ₄ -02 NSCF ¹ / ₄ -03 NSCF ³ / ₈ -01 NSCF ³ / ₈ -02 NSCF ³ / ₈ -03 NSCF ³ / ₈ -04 NSCF ¹ / ₂ -02 NSCF ¹ / ₂ -03 NSCF ¹ / ₂ -04
	NSE0425				
	NSE0640				
	NSE0860				
	NSE1075				
	NSE1080				
	NSE1290				
	NSE1210				
	NSE1613				
	NSE ¹ / ₄				
	NSE ³ / ₈				
	NSE ¹ / ₂				
Type	Model code NSMCøD-R ⁵				
Bulkhead Straight NSMC 	NSMC0420-01 ⁵				
	NSMC0420-02 ⁵				
	NSMC0425-01 ⁵				
	NSMC0425-02 ⁵				
	NSMC0640-01 ⁵				
	NSMC0640-02 ⁵				
	NSMC0640-03 ⁵				
	NSMC0860-01 ⁵				
	NSMC0860-02 ⁵				
	NSMC0860-03 ⁵				
	NSMC1075-01 ⁵				
	NSMC1075-02 ⁵				
	NSMC1075-03 ⁵				
	NSMC1075-04 ⁵				
	NSMC1080-01 ⁵				
	NSMC1080-02 ⁵				
	NSMC1080-03 ⁵				
	NSMC1080-04 ⁵				
	NSMC1290-02 ⁵				
	NSMC1290-03 ⁵				
	NSMC1290-04 ⁵				
	NSMC1210-02 ⁵				
	NSMC1210-03 ⁵				
	NSMC1210-04 ⁵				
	NSMC1613-03 ⁵				
	NSMC1613-04 ⁵				
	Type	Model code NSMFF Rc	Type	Model code NSNøD	
Bulkhead Socket NSMFF 	NSMFF01	Cap Nut NSN 	NSN4		
	NSMFF02		NSN6		
	NSMFF03		NSN8		
	NSMFF04		NSN10		
			NSN12		
			NSN16		
			NSN ¹ / ₄		
			NSN ³ / ₈		
			NSN ¹ / ₂		
Type	Model code NSMøD	Type	Model code NSPøA		
Bulkhead Union Straight NSM 	NSM0420	Disc Spring Washer for Bulkhead Type NSP 	NSP12		
	NSM0425		NSP14		
	NSM0640		NSP16		
	NSM0860		NSP18		
	NSM1075		NSP20		
	NSM1080		NSP22		
	NSM1290		NSP24		
	NSM1210		NSP27		
NSM1613					

 CAD data is available at PISCO website.

 Packaging specifications
1 pc. /bag
1 Set (2 pcs. / bag): Disc spring washer

Option	
Code	⁵ : -TP
Specifications	Seal tape on thread (Fill in ⁵ with "-TP")