

# SCF

## Super-clean Fittings

### Weld Fittings

#### ■ Features

- ◎ Welded fittings for high-purity gas supply.
- ◎ Vacuum double melt material is available as an option for use in UHP piping in order to suppress gas emissions.
- ◎ Surface roughness of Rz 0.7 μm or less achieved by electropolishing.
- ◎ Compact shapes save piping spaces.
- ◎ The neck (straight pipe section) and the tube end enable high quality weld by using automatic orbital welder.
- ◎ Please contact the sales representative for sizes, flanges, etc., not listed in the catalog.

#### ■ Product Code Table

Product Name

SCF

Space

Type of Product

90E

Space

Size (Same Diameter)

100A

Space

Thickness (Same Diameter)

5S

Space

Grade + Material

BA 316L

SCF Weld Fittings

90E	90° Elbow
T	Tee
RC	Concentric Reducer
LAP(L)	Lap

\* Please ask us about product classes other than those listed above.

Size (Different Diameters)

100A × 1/4

(Large Diameter Side) (Small Diameter Side)

Thickness (Different Diameter)

5S × 1.0T

(Large Diameter Side) (Small Diameter Side)

\* When the thicknesses are the same, the small-diameter side is omitted.

Notation	Nominal Diameter	Outer Diameter
1/4	1/4"	6.35mm
3/8	3/8"	9.53mm
1/2	1/2"	12.7mm
3/4	3/4"	19.05mm
1	1"	25.4mm
10A	10A	17.3mm
15A	15A	21.7mm
20A	20A	27.2mm
25A	25A	34.0mm
32A	32A	42.7mm
40A	40A	48.6mm
50A	50A	60.5mm
65A	65A	76.3mm
80A	80A	89.1mm
100A	100A	114.3mm

Notation	Nominal Diameter	Thickness
1.0T	1/4"	1.0mm
1.0T	3/8"	1.0mm
1.24T	1/2"	1.24mm
1.24T	3/4"	1.24mm
1.65T	1"	1.65mm
5S	10A	1.2mm
5S	15A	1.65mm
5S	20A	1.65mm
5S	25A	1.65mm
5S	32A	1.65mm
5S	40A	1.65mm
5S	50A	1.65mm
5S	65A	2.1mm
5S	80A	2.1mm
5S	100A	2.1mm

BA 316L	Mechanical Polished + SUS316L
EP 316L	Electro Polished + SUS316L
SEP	Electro Polished + SUS316LE
316LE	(Double Melt Material)

Note: There is a space between the grade and the material.

#### ■ Product Grade

Grade	BA	EP	SEP
Material	SUS316L, SUS316LE (Double melt material)		
Inner Roughness	≤ 100A 3.0 μm > 100A 4.0 μm	≤ Rz 0.7 μm	
Polish	Mechanical Polished	Electro Polished	
Cleaning	Degreasing + Precision cleaning		
Post-cleaning Environment	Class10		
Packaging	Single bagged package	Double bagged package	

#### ■ Production Range Table

Size	SUS316L		SUS316LE
	BA	EP	SEP
1/4"~1/2"	○	×	○
3/4"~1"	○	○	×
10A~100A	○	○	×

\* Please ask the sales representatives for sizes other than those noted above.