SS316L CAP OD TYPE

Tube End Cap · Double Ferrule Compression · Stainless Steel 316L

BRAND: SWLOK | SKU: SW-0066 | SIZE 1/8" TO 3/4", 6 TO 25 MM | SS316L / DOUBLE FERRULE



FIG. 1 | SS316L TUBE CAP WITH NUT

PRODUCT OVERVIEW

The SWLOK SS316L Cap OD Type closes off the open end of a tube. It fits directly onto the tube OD and seals with the double ferrule compression design, so no welding, threading or special tools are required.

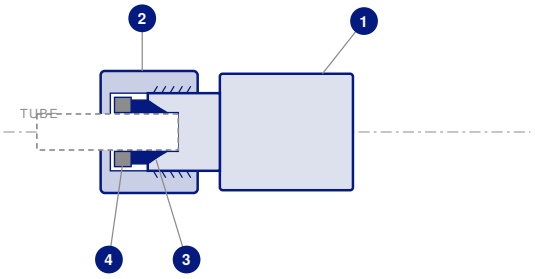
The cap body is machined from low carbon 316L stainless steel for corrosion resistance and pressure containment. Typical uses are blanking spare tube runs, isolating future connection points and pressure testing tube circuits.

Fitting type	**Tube end cap**
End connection	**Tube OD, compression**
Seal design	**Double ferrule compression**
Body material	**Stainless steel 316L**
Size range	**1/8" to 3/4", 6 mm to 25 mm**
Pressure rating	**To tube working pressure**

TECHNICAL SPECIFICATION

Fitting class	**Instrumentation tube fitting**	Tubing	**ASTM A269 / A213 seamless**
Function	**Blank off tube end**	Tube hardness	**HRB 80 max. recommended**
Ferrules	**Front and back, SS316**	Temperature	**-196°C to +538°C**
Nut	**SS316**	Assembly	**1-1/4 turns past finger tight**
Tube sizing	**Fractional and metric OD**	Seal	**Metal to metal**
Ends	**1 x compression, closed**	Supply	**Assembled, nut finger tight**

BILL OF MATERIALS



#	COMPONENT	MATERIAL
1	Cap body	SS316L, ASTM A479 / A182 F316L
2	Nut	SS316, ASTM A479 / A276
3	Front ferrule	SS316, ASTM A479 / A276
4	Back ferrule	SS316, ASTM A479 / A276
5	Tube (not supplied)	316 / 316L seamless tubing

Supplied complete with nut and ferrule set fitted. To blank a fitting port instead of a tube end, use the SWLOK circlip plug SW-0065.

FIG. 2 | SECTIONAL ARRANGEMENT

DIMENSIONS

SIZE	D TUBE OD (INCH)	D TUBE OD (MM)	H1 NUT HEX (MM)
1/8"	1/8"	3.17	11.11
1/4"	1/4"	6.35	14.28
3/8"	3/8"	9.52	17.46
1/2"	1/2"	12.70	22.22
3/4"	3/4"	19.05	28.57
6 mm	-	6	14.00
8 mm	-	8	16.00
10 mm	-	10	19.00
12 mm	-	12	22.00
14 mm	-	14	25.00
15 mm	-	15	25.00
16 mm	-	16	25.00
18 mm	-	18	30.00
20 mm	-	20	32.00
22 mm	-	22	32.00
25 mm	-	25	38.00

H1 = nut hex across flats, standard SWLOK nut. Cap body hex and assembled length available on request. All dimensions in mm and nominal, for reference only. Certified drawings for the supplied size are issued on request.

ORDERING INFORMATION

FIELD	OPTIONS
Product code	SW-0066
Tube OD	1/8", 1/4", 3/8", 1/2", 3/4" and 6, 8, 10, 12, 14, 15, 16, 18, 20, 22, 25 mm
Material	SS316L body with SS316 nut and ferrules
Order example	**SW-0066 / 1/2" OD / SS316L**

Stock held in Dubai for fast despatch across the UAE and GCC. Contact our sales desk for pricing, availability, project quantities and certification requirements.

PRESSURE AND TEMPERATURE

Pressure rating	**Rated to the working pressure of the tube used**
Tubing	**Seamless 316 / 316L, ASTM A269 or A213**
Tube condition	**Fully annealed, HRB 80 max. recommended**
Temperature	**-196°C to +538°C, metal-to-metal seal**

The fitting does not limit the system rating: the allowable working pressure is set by the tube OD, wall thickness and material. Temperature limits apply to the 316 stainless steel metal parts. Confirm duty with SWBM for cyclic, high temperature or corrosive service.

TYPICAL APPLICATIONS

- Blanking spare or future tube runs
- Isolating instrument branches during maintenance
- Pressure and leak testing of tube circuits
- Hydraulic and pneumatic control lines
- Analyser and sampling systems
- Oil and gas, petrochemical and power plants

COMPLIANCE AND QUALITY

- Body manufactured from SS316L, low carbon grade for weldment-free corrosion resistance
- Double ferrule compression design, no welding, flaring or special tools
- Metal-to-metal seal, free of elastomers and sealants on the tube end
- Heat code traceability on body and nut
- Material test certificate EN 10204 3.1 on request
- Supplied clean, capped and bagged per size

INSTALLATION AND OPERATION

- Cut the tube square and deburr inside and outside the tube end
- Insert the tube fully until it bottoms on the body shoulder, then tighten the nut finger tight
- Mark the nut at the 6 o'clock position and hold the body hex with a second spanner
- Tighten the nut 1-1/4 turns for 1/4" to 1" and 6 mm to 25 mm, and 3/4 turn for 1/8" and below
- For remake, tighten to the previous position, then snug slightly with a spanner
- Do not mix components from different fitting brands

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