

SS316L CIRCLIP OD X FNPT

Circlip Retained Fitting End Plug · Closes Tube Fitting Ports · Stainless Steel 316L

BRAND: SWLOK	SKU: SW-0065	SIZE 1/8" TO 3/4", 6 TO 25 MM	SS316L / DOUBLE FERRULE
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FIG. 1 | SS316L CIRCLIP PLUG WITH CAPTIVE NUT

PRODUCT OVERVIEW

The SWLOK SS316L Circlip Plug seals an open tube fitting port in place of the tube. The plug is held captive in its nut by a circlip, so the nut and plug stay together during removal and reuse.

The plug nose seats in the fitting body cone, giving a metal-to-metal, leak-tight seal. It is used to blank unused ports on tees, crosses, manifolds and valves, and to close fittings during pressure testing and maintenance.

Fitting type	Fitting end plug, circlip retained
Connects to	Tube fitting port of same OD size
Seal	Metal to metal, plug to body cone
Body material	Stainless steel 316L
Size range	1/8" to 3/4", 6 mm to 25 mm
Pressure rating	To matching tube rating

TECHNICAL SPECIFICATION

Fitting class	Instrumentation tube fitting	Temperature	-196°C to +538°C
Function	Blank off fitting port	Assembly	1/8 to 1/2 turn, see installation
Retention	Circlip, captive plug	Reusable	Yes
Nut	SS316	Tools	Spanners only, no special tools
Sizing	Fractional and metric OD	Compatibility	Double ferrule fitting bodies
Ferrules	Not required	Supply	Plug, circlip and nut assembled

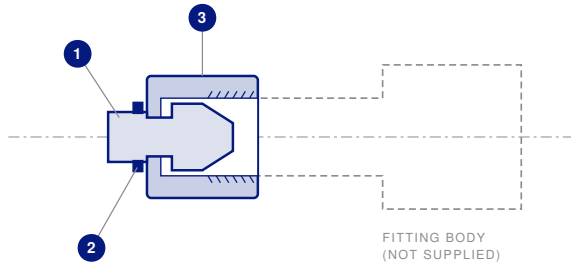


PRODUCT DATA SHEET

SS316L CIRCLIP OD X FNPT

Ref. SW-0065 | Rev. 01

BILL OF MATERIALS



#	COMPONENT	MATERIAL
1	Plug	Stainless steel 316L
2	Circlip	Stainless steel
3	Nut	SS316, ASTM A479 / A276

Supplied as one assembled unit. The fitting body shown dashed is not part of the supply. To close a tube end instead of a fitting port, use the SWLOK tube cap SW-0066.

FIG. 2 | SECTIONAL ARRANGEMENT ON FITTING PORT

DIMENSIONS

SIZE	D TUBE OD (INCH)	D TUBE OD (MM)	H HEX (MM)
1/8"	1/8"	3.17	11.00
1/4"	1/4"	6.35	14.00
3/8"	3/8"	9.52	17.00
1/2"	1/2"	12.70	22.00
3/4"	3/4"	19.05	28.50
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

D = tube OD of the fitting port the plug suits. H = hex across flats. 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-0065
Port size	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 plug, stainless steel circlip, SS316 nut
Order example	SW-0065 / 1/4" 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.



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PRESSURE AND TEMPERATURE

Pressure rating	Equal to the matching tube rating
Seal	Metal to metal on body cone
Temperature	-196°C to +538°C
Service	Gas, liquid, steam and cryogenic

The plug is rated to suit the fitting it closes. Temperature limits apply to the stainless steel metal parts. Confirm duty with SWBM for cyclic or corrosive service.

TYPICAL APPLICATIONS

- Blanking unused ports on tees, crosses and manifolds
- Closing fittings during pressure and leak testing
- Isolating instrument connections during maintenance
- Instrumentation and process control systems
- Cryogenic and high pressure service
- Oil and gas, petrochemical and power plants

COMPLIANCE AND QUALITY

- Plug manufactured from SS316L
- Circlip retention keeps the plug captive in the nut
- Metal-to-metal seal, free of elastomers and sealants
- Heat code traceability on plug and nut
- Material test certificate EN 10204 3.1 on request
- Supplied clean, capped and bagged per size

INSTALLATION AND OPERATION

- Clean the fitting port and check the body cone is free of damage
- Insert the plug fully and run the nut down finger tight
- Tighten 1/8 turn (45°) past finger tight with a spanner for 1/8"
- Tighten 1/4 turn (90°) for 1/4" to 3/4" and 6 mm to 22 mm
- Tighten 1/2 turn (180°) for 25 mm
- Hold the fitting body with a second spanner while tightening

COMPANY

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