



SS316L TEE CONNECTOR OD X OD X OD

Equal Union Tee · Double Ferrule Compression All Ends · Stainless Steel 316L

BRAND: SWLOK

SKU: SW-0064

SIZE 1/8" TO 3/4", 6 TO 25 MM

SS316L / DOUBLE FERRULE



FIG. 1 | SS316L UNION TEE, TUBE OD ALL THREE ENDS

PRODUCT OVERVIEW

The SWLOK SS316L Tee Connector branches or combines flow between three tubes of equal outside diameter. All three ends use the double ferrule compression design for a gas-tight, vibration resistant, torque-free joint.

The forged body is produced from low carbon 316L stainless steel for corrosion resistance in harsh service. Typical use is branch take-offs for instruments, gauges and analysers in process and control tubing.

Fitting type	Union tee, equal
End connections	Tube OD x tube OD x tube OD
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
Branch	90°, equal	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	3 x compression	Supply	Assembled, nuts finger tight

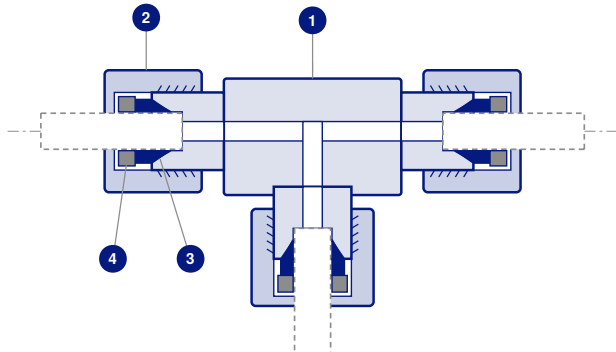


PRODUCT DATA SHEET

SS316L TEE CONNECTOR OD X OD X OD

Ref. SW-0064 | Rev. 01

BILL OF MATERIALS



#	COMPONENT	MATERIAL
1	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 three nuts and three ferrule sets fitted. Reducing tees can be supplied against enquiry.

FIG. 2 | SECTIONAL ARRANGEMENT

DIMENSIONS

SIZE	D	Z	B	Y	O MIN.	H	H1	X
1/8"	3.17	22.40	15.30	12.70	2.40	11.00	11.00	15.80
1/4"	6.35	26.90	17.80	15.30	4.80	14.00	14.00	19.60
3/8"	9.52	30.50	19.30	16.80	7.10	17.00	17.00	23.20
1/2"	12.70	36.00	21.80	22.90	10.40	20.50	22.00	25.90
3/4"	19.05	39.90	21.80	24.40	15.80	27.00	28.50	29.70
6 mm	6	27.00	17.70	15.30	4.80	14.00	14.00	19.60
8 mm	8	28.80	18.60	16.20	6.30	16.00	16.00	21.30
10 mm	10	31.50	19.50	17.20	7.90	17.00	19.00	23.90
12 mm	12	36.00	22.00	22.80	9.50	20.50	22.00	25.90
14 mm	14	38.00	22.00	24.40	11.10	24.00	25.00	27.90
15 mm	15	38.00	22.00	24.40	11.90	24.00	25.00	27.90
16 mm	16	38.00	22.00	24.40	12.70	24.00	25.00	27.90
18 mm	18	39.80	22.00	24.40	15.10	27.00	30.00	29.70
20 mm	20	44.60	22.00	26.00	15.90	32.00	32.00	34.50
22 mm	22	44.60	22.00	26.00	18.30	32.00	32.00	34.50
25 mm	25	49.10	26.50	31.30	21.80	35.00	38.00	36.80

D = tube OD. O = minimum bore. H = body hex, H1 = nut hex, across flats. L = overall length. Y = tube insertion depth. B, X, Z = reference lengths per the manufacturer dimensional drawing, assembled finger tight. 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-0064
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
Configuration	Equal tee. Reducing tee on request
Order example	SW-0064 / 1/4" OD x 1/4" OD x 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	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

- Instrument and gauge take-offs
- Analyser and sampling manifolds
- Hydraulic and pneumatic control lines
- Purge and instrument air distribution
- Chemical injection and process piping
- 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

COMPANY

Sunel Wala Building Materials
Trading Co. LLC (SWBM)
Dubai, United Arab Emirates

SALES ENQUIRIES

info@swbm-fittings.com
Tel: +971 4 238 5652
Mobile / WhatsApp: +971 50 748 1772

ONLINE

www.swbm-fittings.com
Brand: SWLOK

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