

Stainless Steel Tubing

Metric Sizes



Features

- 3 to 25 mm outside diameter seamless tubing
- 316/316L stainless steel
- ASTM A213^①/A269

^① Nominal wall thickness, not minimum wall thickness.

Material Standards

AISI	UNS	SS	AFNOR	W.-NR.
316 / 316L	S31603	2353	Z2CND17-13	1.4435

Typical Chemical Composition

Element	Composition wt. %
Carbon	≤ 0.03
Chromium	17
Nickel	13
Molybdenum	2.6

Ordering Information and Dimensions

Select an ordering number.

Nominal OD mm	Nominal Wall Thickness mm	Ordering Number	Nominal Length m	Weight kg/m	Allowable Working Pressure bar
3	0.5 ^①	SS-T3M-S-0,5M-6ME	6	0.021	340
	0.7	SS-T3M-S-0,7M-6ME		0.027	560
6	1.0	SS-T6M-S-1,0M-6ME		0.125	420
	1.5	SS-T6M-S-1,5M-6ME		0.169	710
8	1.0	SS-T8M-S-1,0M-6ME		0.175	310
	1.5	SS-T8M-S-1,5M-6ME		0.244	520
10	1.0	SS-T10M-S-1,0M-6ME		0.225	240
	1.5	SS-T10M-S-1,5M-6ME		0.319	400
12	1.0	SS-T12M-S-1,0M-6ME		0.275	200
	1.5	SS-T12M-S-1,5M-6ME		0.394	330
	2.0	SS-T12M-S-2,0M-6ME		0.500	470
16	1.0 ^①	SS-T16M-S-1,0M-6ME		0.375	140
	1.5	SS-T16M-S-1,5M-6ME		0.507	230
	2.0	SS-T16M-S-2,0M-6ME		0.651	330
18	1.0 ^①	SS-T18M-S-1,0M-6ME		0.425	120
	1.5	SS-T18M-S-1,5M-6ME		0.619	200
	2.0	SS-T18M-S-2,0M-6ME		0.801	290
20	2.0	SS-T20M-S-2,0M-6ME		0.901	260
22	2.0	SS-T22M-S-2,0M-6ME		1.00	230
25	2.0 ^②	SS-T25M-S-2,0M-6ME		1.15	200
	2.5	SS-T25M-S-2,5M-6ME	1.41	260	

① Not recommended for use with Swagelok® tube fittings.

② Not recommended for use with Swagelok tube fittings in gas service.

Tubing Tools and Accessories

See the Swagelok *Tubing Tools and Accessories* catalog, MS-01-179, for more information.



Swagelok Orbital Welding System

See the Swagelok *Orbital Welding System Quick Reference Guide*, MS-02-143, for more information.



Tube Fittings

See the Swagelok *Gaugeable Tube Fittings and Adapter Fittings* catalog, MS-01-140, for more information.

Safe Product Selection

When selecting a product, the total system design must be considered to ensure safe, trouble-free performance. Function, material compatibility, adequate ratings, proper installation, operation, and maintenance are the responsibilities of the system designer and user.

Warranty Information

Swagelok products are backed by The Swagelok Limited Lifetime Warranty. For a copy, visit swagelok.com or contact your authorized Swagelok representative.