

Stainless Steel Titanium Alloyed Tubing

Metric Sizes



Features

- 3 to 25 mm outside diameter seamless tubing
- 316L stainless steel titanium alloyed
- EN 10216-5, TC 1

Material Standards

AISI	UNS	SS	AFNOR	W.-NR.
316L (modified)	S31635	2350	Z6CNDT17-12	1.4571

Chemical Composition

Element	Composition wt. %
Chromium	17.0
Nickel	12.0
Molybdenum	2.1
Titanium	0.25 to 0.80
Carbon	0.05 max

Ordering Information, Dimensions, and Pressure Ratings

Select an ordering number.

Nominal OD mm	Nominal Wall Thickness mm	Ordering Number	Weight kg/m	Allowable Working Pressure ^① bar
6	1,0	316TI-T6M-S-1,0M-6ME	0,125	430
	1,5	316TI-T6M-S-1,5M-6ME	0,169	700
8	1,0	316TI-T8M-S-1,0M-6ME	0,175	320
	1,5	316TI-T8M-S-1,5M-6ME	0,244	530
10	1,0	316TI-T10M-S-1,0M-6ME	0,225	260
	1,5	316TI-T10M-S-1,5M-6ME	0,319	420
12	1,0	316TI-T12M-S-1,0M-6ME	0,275	210
	1,5	316TI-T12M-S-1,5M-6ME	0,394	350
	2,0	316TI-T12M-S-2,0M-6ME	0,500	490
16	1,0	316TI-T16M-S-1,0M-6ME	0,375	160
	1,5	316TI-T16M-S-1,5M-6ME	0,507	260
	2,0	316TI-T16M-S-2,0M-6ME	0,651	360
18	1,0	316TI-T18M-S-1,0M-6ME	0,425	140
	1,5	316TI-T18M-S-1,5M-6ME	0,619	230
	2,0	316TI-T18M-S-2,0M-6ME	0,801	320
20	2,0	316TI-T20M-S-2,0M-6ME	0,901	290
22	2,0	316TI-T22M-S-2,0M-6ME	1,00	260
25	2,0	316TI-T25M-S-2,0M-6ME	1,15	230
	2,5	316TI-T25M-S-2,5M-6ME	1,41	290

① Based on equations from DIN 2413 and a yield strength of 245 MPa from EN 10216-5.

Swagelok Orbital Welding System

See the *Swagelok Welding System M200 Power Supply* catalog, MS-02-342, for more information.



Tube Fittings

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

Tubing Tools and Accessories

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