

# 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 <sup>①</sup> 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](http://swagelok.com) or contact your authorized Swagelok representative.