

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

All tubing listed in this catalog are backed by the tube manufacturer's warranty and not The Swagelok Limited Lifetime Warranty. For more information contact your authorized Swagelok representative.