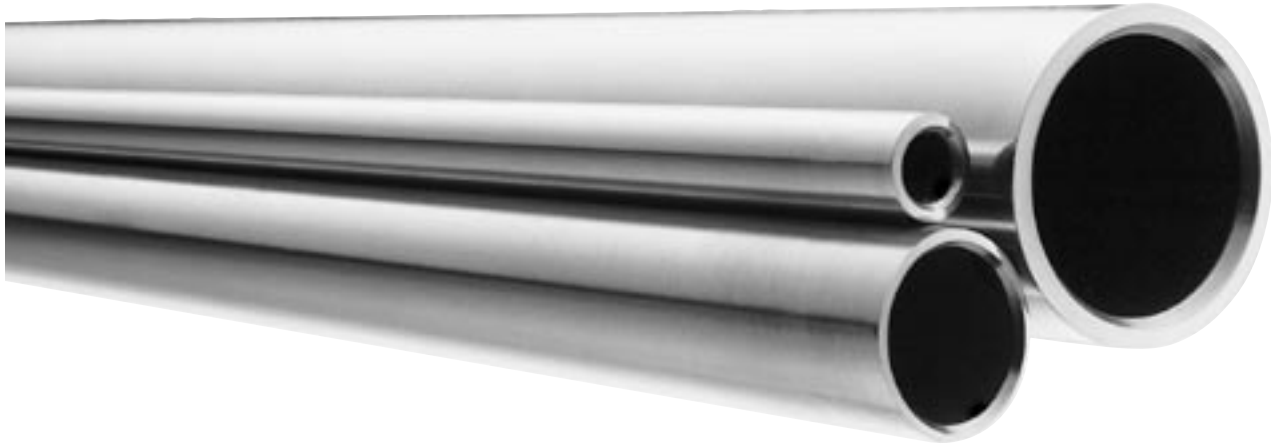


Stainless Steel Welded Tubing

Fractional Sizes



Features

- Available in sizes from 1/8 to 1 in. outside diameter
- 304/304L and 316/316L stainless steel
- Marked to indicate size, material, specification, and heat number
- ASTM A269

Material Standards

Grade	UNS	ASTM
304 / 304L	S30400 / S30403	A269 ^①
316 / 316L	S31600 / S31603	A269 ^①

^① Nominal wall thickness, not minimum wall thickness.

Chemical Composition

Element	Grade	
	304 / 304L	316 / 316L
	Composition, wt. %	
Chromium	18.0 to 20.0	16.0 to 18.0
Nickel	8.0 to 11.0	11.0 to 14.0
Molybdenum	—	2.00 to 3.00
Manganese	2.00 max	2.00 max
Silicon	0.75 max	0.75 max
Carbon	0.035 max	0.035 max

Ordering Information and Dimensions

To order 304/304L tubing, select an ordering number.

To order 316/316L tubing, replace **304L** in the ordering number with **SS**.

Example: **SS-T2-W-028-20**

Tube OD in.	Nominal Wall Thickness in.	Ordering Number	Nominal Length ft	Weight lb/ft	Allowable Working Pressure ^① psig
1/8	0.028	304L-T2-W-028-20	20	0.029	6800
1/4	0.035	304L-T4-W-035-20		0.080	4080
	0.049	304L-T4-W-049-20		0.105	6000
	0.065	304L-T4-W-065-20		0.128	8160
3/8	0.035	304L-T6-W-035-20		0.127	2640
	0.049	304L-T6-W-049-20		0.171	3840
	0.065	304L-T6-W-065-20		0.215	5200
1/2	0.035	304L-T8-W-035-20		0.174	2080 ^②
	0.049	304L-T8-W-049-20		0.236	2690
	0.065	304L-T8-W-065-20		0.302	4080
5/8	0.065	304L-T10-W-065-20		0.389	3200
3/4	0.065	304L-T12-W-065-20		0.476	3200
1	0.083	304L-T16-W-083-20		0.813	2480

① For more information, see Swagelok *Tubing Data*, MS-01-107.

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

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.

Tools and Accessories

See the Swagelok *Tools and Accessories* catalog, MS-01-169, 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.