RESTEK

share:

Coiled Welded/Drawn 304 Grade Stainless Steel Tubing (Sulfinert Treated)

Our most popular grade of tubing. Recommended for:

- Chromatography applications.
- Gas delivery systems.
- Lower pressures.
- Inert applications.

Maximum temperature of 450 °C in an inert atmosphere.

Sulfinert—A required treatment for metal components when analyzing for parts-per-billion levels of organo-sulfur compounds.

Ordering Notes

Maximum continuous lengths are: 200** ft (0.022" and 0.029" OD), 2,000 ft (1/16" OD), 1,150 ft (1/8" OD), and 750 ft (1/4" OD). The availability of long lengths is subject to inventory constraints. Lead times may vary depending on the continuous length needed. Please inquire before ordering. **Contact us if longer length is needed for cat.# 29201 or 29209.

Instruction Sheets

Sulfinert-Treated Stainless Steel Tubing Instruction Sheet

Select a Product

First Previous 1 2 3 4 5 Next Last

Catalog #	ID	OD	Wall Thickness	Min. Quantity	Units	
29194	0.011" (0.28 mm)	0.022" (0.56 mm)			6-ft Roll	
29195	0.011" (0.28 mm)	0.022" (0.56 mm)			10-ft Roll	
29196	0.011" (0.28 mm)	0.022" (0.56 mm)			15-ft Roll	
29197	0.011" (0.28 mm)	0.022" (0.56 mm)			20-ft Roll	
29198	0.011" (0.28 mm)	0.022" (0.56 mm)			25-ft Roll	
29199	0.011" (0.28 mm)	0.022" (0.56 mm)			50-ft Roll	
29200	0.011" (0.28 mm)	0.022" (0.56 mm)			100-ft Roll	
29201	0.011" (0.28 mm)	0.022" (0.56 mm)		101 ft	>100 ft/price per ft	
29202	0.021" (0.53mm)	0.029" (0.74 mm)			6-ft Roll	
29203	0.021" (0.53mm)	0.029" (0.74 mm)			10-ft Roll	
29204	0.021" (0.53mm)	0.029" (0.74 mm)			15-ft Roll	
29205	0.021" (0.53mm)	0.029" (0.74 mm)			20-ft Roll	
Quick Filters [Clear All]	all	all	all	all	all	

Sulfinert®-Treated Stainless Steel Tubing

Thank you for your purchase of Sulfinert®-treated tubing. The Sulfinert® coating is the most inert substrate available for the transfer of low levels of polar and nonpolar compounds, especially traces of organosulfur and mercury compounds.

Specifications:

Cat. #	Tubing OD (in/mm)	Tubing ID (in/mm)	Maximum Temperature (°C)*	Minimum Suggested Bend		Maximum Operating Pressure (psig/kPa)
				Radius (in/cm)	Diameter (in/cm)	
22903; 29083–29090	3/8 / 9.53	0.277 / 7.04	450	6 / 15.2	12 / 30.5	4,800 / 33,094
22902; 29075–29082	1/4 / 6.35	0.180 / 4.57	450	4 / 10.2	8 / 20.3	3,300 / 22,752
29250–29257	1/4 / 6.35	0.210 / 5.33	450	4 / 10.2	8 / 20.3	2,200 / 15,168
29242–29249, 29052–29058	1/8 / 3.18	0.085 / 2.16	450	2 / 5.1	4 / 10.2	6,100 / 42,058
29067–29074, 22901	1/8 / 3.18	0.055 / 1.40	450	2 / 5.1	4 / 10.2	10,900 / 75,152
29234–29241	1/16 / 1.59	0.040 / 1.02	450	1 / 2.5	2 / 5.1	4,800 / 33,094
29226–29233	1/16 / 1.59	0.030 / 0.76	450	1 / 2.5	2 / 5.1	8,100 / 55,847
29218–29225	1/16 / 1.59	0.020 / 0.51	450	1 / 2.5	2 / 5.1	10,300 / 71,015
29210–29217	1/16 / 1.59	0.010 / 0.25	450	1 / 2.5	2 / 5.1	14,000 / 96,526
29202–29209	0.029 / 0.74	0.021 / 0.53	450	1 / 2.5	2 / 5.1	6,400 / 44,126
29194–29201	0.022 / 0.56	0.011 / 0.28	450	1 / 2.5	2 / 5.1	11,250 / 77,566

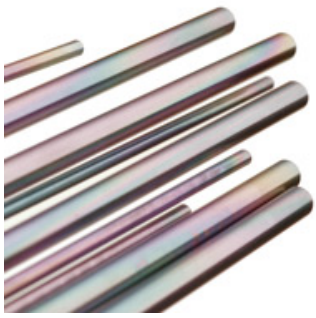
*In an inert (oxygen-free) atmosphere.

Instructions for Use:

Handling: Handle the Sulfinert® tubing as you would any stainless steel tubing. Take precautions to avoid sharp bends or bends tighter than the minimum suggested bending radius. Any bend sharper than those listed may cause the tubing to stretch, potentially creating active sites as the coating layer density decreases. Additionally, we recommend flushing the tubing with nitrogen or clean compressed air (at approximately 50 psi/340 kPa) to prevent damage to equipment from any particles released during the stress of bending. Once the tubing has been flushed and put into service, additional particle generation will not occur.

Cutting: Cut the tubing ends with a standard metal tubing cutter. Point the tubing end down when cutting or reaming to prevent metal filings from depositing inside the bore. Always flush tubing sections after cutting and end-cleaning to ensure the removal of metal or coating particles generated during cutting.

Solvent compatibility: Sulfinert®-treated tubing is compatible with a wide variety of solvents including methylene chloride, pentane, acetone, methanol, and water. Avoid hydrofluoric acid and bases or strong hydrochloric acid solutions. These acids and bases will damage the Sulfinert® layer.



Straight Seamless 316L Grade Stainless Steel Tubing (Treated)

Individual 6-foot (± 1/2") straight pieces.

In response to customer requests, we offer 6-foot straight lengths of 1/8-, 1/4, and 3/8-inch treated tubing. This tubing can be cut to your exact requirements using a standard tubing cutter.

Sulfinert—A required treatment for metal components when analyzing for parts-per-billion levels of organo-sulfur compounds.

Silcosteel-CR—A corrosion resistant layer that increases the lifetime of system components in acidic environments containing hydrochloric acid, nitric acid, or seawater.

Instruction Sheets

Sulfinert-Treated Stainless Steel Tubing Instruction Sheet

Select a Product

Catalog #	ID	OD	Deactivation	Wall Thickness	Units	
22901	0.055" (1.40 mm)	1/8" (3.18 mm)	Sulfinert Treated	0.035"	ea.	
22898	0.055" (1.40 mm)	1/8" (3.18 mm)	Silcosteel-CR Treated	0.035"	ea.	
22902	0.180" (4.57 mm)	1/4" (6.35 mm)	Sulfinert Treated	0.035"	ea.	
22899	0.180" (4.57 mm)	1/4" (6.35 mm)	Silcosteel-CR Treated	0.035"	ea.	
22903	0.277" (7.04 mm)	3/8" (9.52 mm)	Sulfinert Treated	0.049"	ea.	
22900	0.277" (7.04 mm)	3/8" (9.52 mm)	Silcosteel-CR Treated	0.049"	ea.	

Showing 1 to 6 of 6

Description

Minimum Bend Radius for Coated Tubing (dependent on OD)
OD — Min. Bend Radius
1/16" — 1" (2.5 cm)
1/8" — 2" (5.1 cm)
1/4" — 4" (10.2 cm)
3/8" — 6" (15.2 cm)

RESTEK

share:

Coiled Electropolished 316L Grade Stainless Steel Tubing (Treated)

Our highest performing tubing. Recommended for:

- Demanding/corrosive environments.
- High temperatures.
- Ultimate inertness.

Sulfinert—A required treatment for metal components when analyzing for parts-per-billion levels of organo-sulfur compounds.

Silcosteel-CR—A corrosion resistant layer that increases the lifetime of system components in acidic environments containing hydrochloric acid, nitric acid, or seawater.

Ordering Notes

Maximum continuous lengths are: 95 ft (1/8" OD) and 300 ft (1/4" OD). Longer lengths will be more than one coil.

Instruction Sheets

Sulfinert-Treated Stainless Steel Tubing Instruction Sheet

Select a Product

First Previous 1 2 3 Next Last

Catalog #	ID	OD	Deactivation	Wall Thickness	Min. Quantity	Units	
29037	0.085″ (2.16 mm)	1/8″ (3.18 mm)	Silcosteel-CR Treated	0.020″		6-ft Roll	
29038	0.085″ (2.16 mm)	1/8″ (3.18 mm)	Silcosteel-CR Treated	0.020″		10-ft Roll	
29039	0.085″ (2.16 mm)	1/8″ (3.18 mm)	Silcosteel-CR Treated	0.020″		15-ft Roll	
29040	0.085″ (2.16 mm)	1/8″ (3.18 mm)	Silcosteel-CR Treated	0.020″		20-ft Roll	
29041	0.085″ (2.16 mm)	1/8″ (3.18 mm)	Silcosteel-CR Treated	0.020″		25-ft Roll	
29042	0.085″ (2.16 mm)	1/8″ (3.18 mm)	Silcosteel-CR Treated	0.020″		50-ft Roll	
29043	0.085″ (2.16 mm)	1/8″ (3.18 mm)	Silcosteel-CR Treated	0.020″	61 ft	>60 ft/price per ft	
29044	0.180″ (4.57 mm)	1/4″ (6.35 mm)	Silcosteel-CR Treated	0.035″		6-ft Roll	
29045	0.180″ (4.57 mm)	1/4″ (6.35 mm)	Silcosteel-CR Treated	0.035″		10-ft Roll	
29046	0.180″ (4.57 mm)	1/4″ (6.35 mm)	Silcosteel-CR Treated	0.035″		15-ft Roll	
29047	0.180″ (4.57 mm)	1/4″ (6.35 mm)	Silcosteel-CR Treated	0.035″		20-ft Roll	
29048	0.180″ (4.57 mm)	1/4″ (6.35 mm)	Silcosteel-CR Treated	0.035″		25-ft Roll	

Description

Note: Required length in meters x 3.2808 = length in feet.