

Treated Tubing

Tubing

Restek sets the standard in tubing for analytical and process applications. Complete your system with treated fittings and valves for an inert, corrosion-resistant pathway.

The extremely inert Siltek®/Sulfinert® surface is ideal in applications such as sulfurs or automotive exhaust testing, stack gas sampling, process monitoring, or in any other application in which a representative sample must be transferred without loss.

In systems used to transfer hydrochloric acid, nitric acid, or seawater, Silcosteel®-CR treated electropolished stainless steel tubing will last longer and require less maintenance. In tests, Silcosteel®-CR treated stainless steel was very well protected from pitting and crevice corrosion, compared to bare steel. See pages 380-381 for more information.

Treated Seamless Electropolished 316L Grade Stainless Steel Tubing

Our highest performing tubing.

Use for:

- demanding/corrosive environments.
- high temperatures.
- high pressures.
- ultimate inertness.

Siltek®/Sulfinert® Treated Coiled Electropolished 316L Grade Stainless Steel Tubing

ID	OD	cat.#	5-24 ft.	25-99 ft.	100-299 ft.	>300 ft.
0.085" (2.16mm)	1/8" (3.18mm)*	22538				
0.180" (4.57mm)	1/4" (6.35mm)**	22539				

Silcosteel®-CR Treated Coiled Electropolished 316L Grade Stainless Steel Tubing

ID	OD	cat.#	5-24 ft.	25-99 ft.	100-299 ft.	>300 ft.
0.085" (2.16mm)	1/8" (3.18mm)*	22536				
0.180" (4.57mm)	1/4" (6.35mm)**	22537				

1/8" OD: 5 ft. to 100 ft. in one continuous coil; 1/4" OD: 5 ft. to 300 ft. in one continuous coil. Longer lengths will be more than one coil.
Note: required length in meters x 3.2808 = length in feet.

Treated Welded/Drawn 304 Grade Stainless Steel Tubing

Our most popular grade of tubing.

Use for:

- chromatography applications.
- gas delivery systems.
- lower pressures.
- inert applications.

Siltek®/Sulfinert® Treated Coiled 304 Grade Stainless Steel Tubing

ID	OD	cat.#	5-24 ft.	25-199 ft.	200-399 ft.	>400 ft.
0.011" (0.28mm)	0.022" (0.56mm)	22500				
0.021" (0.53mm)	0.029" (0.74mm)	22501				
0.010" (0.25mm)	1/16" (1.59mm)	22502				
0.020" (0.51mm)	1/16" (1.59mm)	22503				
0.030" (0.76mm)	1/16" (1.59mm)	22504				
0.040" (1.02mm)	1/16" (1.59mm)	22505				
0.085" (2.16mm)	1/8" (3.18mm)*	22506				
0.210" (5.33mm)	1/4" (6.35mm)*	22507				

Silcosteel® Treated Coiled 304 Grade Stainless Steel Tubing†

ID	OD	cat.#	5-24 ft.	25-199 ft.	200-399 ft.	>400 ft.
0.011" (0.28mm)	0.022" (0.56mm)	20590				
0.021" (0.53mm)	0.029" (0.74mm)	20591				
0.010" (0.25mm)	1/16" (1.59mm)	20592				
0.020" (0.51mm)	1/16" (1.59mm)	20593				
0.030" (0.76mm)	1/16" (1.59mm)	20594				
0.040" (1.02mm)	1/16" (1.59mm)	20595				
0.085" (2.16mm)	1/8" (3.18mm)*	20596				
0.210" (5.33mm)	1/4" (6.35mm)*	20597				

*0.020" wall thickness

**0.035" wall thickness

†Silcosteel® treated and siloxane deactivated. For Silcosteel® treatment only, add-279 to the cat.#.



did you know?

A smoother internal surface is less adsorptive.



Top: electropolished finish, surface roughness average number: 5-10.

Bottom: conventional finish, surface roughness average number: approx. 23-27.

for more info

Which treated tubing should I use?

See chart on page 374.

ordering note

An extra charge is applied for cutting Siltek®/Sulfinert®, Silcosteel®, or Silcosteel®-CR tubing, calculated from the total number of pieces produced for each line item:



Treated Seamless 316L Grade Stainless Steel Tubing

High durability tubing.

- Use for:
- inert applications.
 - high temperatures.
 - high pressures.
 - corrosive environments.

Siltek®/Sulfinert® Treated Coiled 316L Grade Stainless Steel Tubing

ID	OD	cat.#	5-24 ft.	25-199 ft.	200-399 ft.	> 400 ft.
0.055" (1.40mm)	1/8" (3.18mm)**	22508				
0.180" (4.57mm)	1/4" (6.35mm)**	22509				
0.277" (7.04mm)	new! 3/8" (9.52mm)***	22914				

Silcosteel® Treated Coiled 316L Grade Stainless Steel Tubing

ID	OD	cat.#	5-24 ft.	25-199 ft.	200-399 ft.	> 400 ft.
0.055" (1.40mm)	1/8" (3.18mm)**	20598				
0.180" (4.57mm)	1/4" (6.35mm)**	20599				

Silcosteel®-CR Treated Coiled 316L Grade Stainless Steel Tubing

ID	OD	cat.#	5-24 ft.	25-199 ft.	200-399 ft.	> 400 ft.
0.055" (1.40mm)	1/8" (3.18mm)**	22896				
0.180" (4.57mm)	1/4" (6.35mm)**	22897				
0.277" (7.04mm)	new! 3/8" (9.52mm)***	22915				

Treated Hydroguard™ Deactivated Stainless Steel Tubing

Hydroguard™ deactivation creates a high-density surface that is not readily attacked by aggressive hydrolysis. Recommended for plumbing purge and trap systems.

ideal for **purge & trap****Silcosteel® Treated Hydroguard™ Deactivated 304 Grade Stainless Steel Tubing**

ID	OD	cat.#	5-24 ft.	25-199 ft.	200-399 ft.	> 400 ft.
0.010" (0.25mm)	1/16" (1.59mm)	22497				
0.020" (0.51mm)	1/16" (1.59mm)	22496				
0.030" (0.76mm)	1/16" (1.59mm)	22495				
0.040" (1.02mm)	1/16" (1.59mm)	22494				
0.085" (2.16mm)	1/8" (3.18mm)*	22493				
0.210" (5.33mm)	1/4" (6.35mm)*	22492				

Silcosteel® Treated Hydroguard™ Deactivated Seamless 316L Grade Stainless Steel Tubing

ID	OD	cat.#	5-24 ft.	25-199 ft.	200-399 ft.	> 400 ft.
0.055" (1.40mm)	1/8" (3.18mm)**	22491				
0.180" (4.57mm)	1/4" (6.35mm)**	22490				

Silcosteel® Treated Hydroguard™ Deactivated Electropolished 316L Grade Stainless Steel Tubing

ID	OD	cat.#	5-24 ft.	25-99 ft.	100-299 ft.	> 300 ft.
0.085" (2.16mm)	1/8" (3.18mm)*	22489				
0.180" (4.57mm)	1/4" (6.35mm)**	22488				

*0.020" wall thickness

**0.035" wall thickness

***0.049" wall thickness

did you know?

Other lengths and diameters of treated tubing are available on a custom basis.

Call for availability of lengths greater than 1000ft.

ordering note

Required length in meters
x 3.2808 = length in feet.

Minimum Bend Radius for Treated Tubing

OD	Min. Bend Radius
≤ 1/16"	1" (2.5cm)
1/8"	2" (5.1cm)
1/4"	4" (10.2cm)

new!

For the newest developments, visit our Performance Coatings Division website: www.restekcoatings.com

Treated Tubing

Treated Straight, Short-Length Tubing

Siltek®/Sulfinert® Treated Straight Seamless 304 Grade Stainless Steel Tubing

- Ideal for adsorbent traps, thermal desorption tubes, transfer lines, and instrument interfaces.
- Easily cut to specific lengths using a standard tubing cutter.
- Available in individual 18"/457mm pieces or in economical 5-packs.

18" (457mm) Length

ID	OD	qty.	cat.#
0.085" (2.16mm)	1/8" (3.18mm)*	ea.	20575
0.085" (2.16mm)	1/8" (3.18mm)*	5-pk.	20576
0.210" (5.33mm)	1/4" (6.35mm)*	ea.	20577
0.210" (5.33mm)	1/4" (6.35mm)*	5-pk.	20578

ordering note

Required length in meters
x 3.2808 = length in feet.

Silcosteel®-CR Treated Straight Seamless 316L Grade Stainless Steel Tubing

- Individual 6 foot pieces.

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

6 foot Length

ID	OD	qty.	cat.#
0.055" (1.40mm)	1/8" (3.18mm)**	ea.	22898
0.180" (4.57mm)	1/4" (6.35mm)**	ea.	22899
0.277" (7.04mm)	3/8" (9.52mm)***	ea.	22900

Siltek®/Sulfinert® Treated Straight Seamless 316L Grade Stainless Steel Tubing

- Individual 6 foot pieces.

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

6 foot Length

ID	OD	qty.	cat.#
0.055" (1.40mm)	1/8" (3.18mm)**	ea.	22901
0.180" (4.57mm)	1/4" (6.35mm)**	ea.	22902
0.277" (7.04mm)	3/8" (9.52mm)***	ea.	22903

*0.020" wall thickness

**0.035" wall thickness

***0.049" wall thickness

frequently asked question

Which treated tubing should I use?

Restek Performance Coatings offers several grades of tubing with varied treatments. This chart will help you determine the tubing best suited to your application with respect to pressure, sensitivity of your analysis, and acidic environment exposure.

For more frequently asked questions on treated tubing, see [page 384](#) or contact the Restek Coatings experts.

Restek Tubing Reference Guide

