

Packed Column Tubing

Restek offers a wide range of tubing choices for our packed columns, including SilcoSmooth® (Siltek®-treated stainless steel), stainless steel, Hastelloy®, nickel, copper, and Teflon® tubing. SilcoSmooth® and stainless steel tubing are our two most popular column materials. SilcoSmooth® tubing is an excellent replacement for fragile glass columns. Stainless steel tubing works well with most applications for nonreactive compounds.

SilcoSmooth® Tubing

If your analysis involves reactive compounds, you can use fragile and inflexible glass columns, or you can step up to SilcoSmooth® tubing which combines the inertness of glass with the strength and flexibility of stainless steel. Made from ultra-smooth, seamless 304 stainless steel and treated with the innovative Siltek® deactivation process, SilcoSmooth® tubing can replace glass columns for virtually any application.

Stainless Steel Tubing

If you are analyzing hydrocarbons or nonreactive compounds, you can use our rugged, flexible, and economical stainless steel columns. Restek stainless steel columns are made from high-quality weld drawn tubing.

Hastelloy® Tubing

Hastelloy® tubing is a nickel-chromium alloy with excellent inertness. It is normally used only for highly corrosive or oxidizing compounds or gases.

Nickel Tubing

Nickel tubing is often used for analyses of caustic or oxidizing compounds or gases.

Copper Tubing

Copper is a general purpose tubing that is only recommended for nonactive compounds.

Teflon® Tubing

Teflon® tubing is often used for reactive compounds or other special applications. Note that this tubing is permeable to gases.

Table I Packed column tubing dimensions

Material	¹ / ₄ -inch OD x 5.3mm ID	³ / ₁₆ -inch OD x 3.1mm ID ¹	¹ / ₈ -inch OD x 2.0mm ID ²	¹ / ₁₆ -inch OD x 1.0mm ID ³	0.95mm OD x 0.75mm ID ⁴	0.74 mm OD x 0.53mm ID
SilcoSmooth	✓	✓	✓	✓	✓	✓
Stainless Steel	✓	✓	✓	✓	✓	
Hastelloy			✓			
Nickel			✓			
Copper	✓		✓			
Teflon			✓			

¹ ³/₁₆-inch OD x 3.1mm ID replaces ¹/₄-inch OD x 4mm ID glass columns.

² ¹/₈-inch OD x 2mm ID replaces ¹/₄-inch OD x 2mm ID glass columns.

³ ¹/₁₆-inch OD x 1.2mm and 1.0mm ID micropacked columns are designed for packed column injection systems.

⁴ 0.95mm OD x 0.75mm ID micropacked columns are designed for capillary injection systems.

¹/₈- or ³/₁₆-inch OD columns are easily adaptable to ¹/₄-inch or 5mm ID injection ports, using inexpensive adaptors. All Restek packed columns can be coiled to fit any instrument configuration.

please note

We do not offer packed glass columns. SilcoSmooth® columns offer the inertness of glass, without breakage problems.

did you know?

Restek's advanced packed column technology provides columns with unmatched inertness and efficiency.

Packed Column Reduction Fittings

We will weld tubing reducers or VCR fittings to your column. Call Customer Service (ext. 3) or your Restek representative for pricing & availability.



Welded Tubing Reducers



Welded VCR Fittings

Frits—A new alternative to glass wool and braided end plugs!

Hastelloy® and Siltek® treated frits are now available for select packed and micropacked columns!



Hastelloy® frit



Siltek® frit

Fill out the form on page 142, visit www.restek.com/packed, contact Customer Service or your Restek representative for pricing and availability.