

## Column Installation Tools

**restek  
innovation!**

Easily seat ferrules for consistent installations!

### Capillary Installation Gauge

- Seats ferrules onto column for consistent installations.\*
- Prevents crushed column ends.
- Made from high-quality stainless steel.



A) for Agilent-style fittings (compact ferrules)



B) for  $\frac{1}{16}$ " fittings ( $\frac{1}{16}$ " ferrules)



C) for Thermo Scientific TRACE™ & Focus SSL (M4 ferrules)



D) for Varian GCs for use with  $\frac{1}{16}$ " ferrules



E) for Shimadzu 17A, 2010, and 2014 GCs

Using the capillary installation gauge for Agilent-style fittings.



Install the column nut and ferrule onto the column. Slide the column into the installation gauge to the recommended insertion distance. Finger-tighten the nut.



Tighten the assembly to ensure a properly seated ferrule. Loosen the assembly and remove the column and column nut.



The ferrule will be properly seated, and should remain in place when light force is applied. If it slides loosely on the column, repeat procedure.

#### Description

	qty.	cat.#
A) Capillary Installation Gauge for Agilent-style fittings (compact ferrules)	ea.	21034
B) Capillary Installation Gauge for $\frac{1}{16}$ " fittings ( $\frac{1}{16}$ " ferrules)	ea.	21399
C) Capillary Installation Gauge for Thermo Scientific TRACE™ & Focus SSL (M4 ferrules)	ea.	22330
D) Capillary Installation Gauge for Varian GCs for use with $\frac{1}{16}$ " ferrules	ea.	22335
E) Capillary Installation Gauge for Shimadzu 17A, 2010, and 2014 GCs	ea.	22333

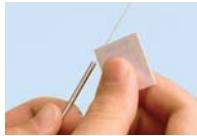
\*Recommended for use with graphite ferrules.

### Capillary Installation Gauge for Agilent 5973/5975 MS

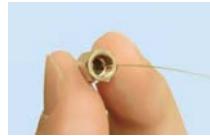
- Seats ferrules onto column for consistent installations.
- Made from high-quality stainless steel.



Install the nut and ferrule onto the column, then insert the column through the installation tool, exposing several centimeters at the exit end.



Score and remove the exposed end of the column, then loosen the nut.



The ferrule will be properly seated and should remain in place when light force is applied. Install the column into the GC/MS interface.

#### Description

	Similar to Agilent part #	qty.	cat.#
Capillary Installation Gauge for Agilent 5973/5975 MS	G1099-20030	ea.	21894