

# MXT™ Low Dead Volume Connectors

**MXT™ Connector**—cat.# 20394, 20397, 20536

**MXT™ “Y” connector**—cat.# 20395, 20396, 20537

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## Installation Instructions

1. Slide the threaded screw and ferrule onto one column end.
2. Cut the column end using a small precision tubing cutter. It is important to obtain a square, uniform tapered cut or poor chromatographic performance will result. Once a square, tapered cut has been obtained, remove finger oils by wiping the column end with a towel moistened with methanol.
3. Insert the column end into the connector. Slowly push the column end until it touches the bottom of the connector. Tighten the nut until the column is firmly held in place.
4. Repeat steps 1–3 for the other end of the column.
5. Install the column as specified in your GC manual. Turn on the carrier gas (He or H<sub>2</sub> preferred) and set the column head pressure (follow the column installation guide). Leak check the connection with the Restek Leak Detector (cat.# 22839). Do NOT use liquid leak detectors or contamination will occur.
6. Inject 1.0μL methane (or another appropriate gas for determining dead volume time) and carefully inspect the peak shape and detector response. A symmetrical methane peak and good detector response indicate a good connection. Next, inject 1.0μL of solvent and examine the peak shape. A tailing solvent peak is a good indicator of a poor connection. If either the methane or solvent peak tails, reinstall the connector.
7. Once a proper, leak-free connection has been made, briefly condition the column as outlined in the column installation guide. Now you are ready to analyze your samples.

## Replacement ferrules available:

cat. #20398 - 0.59mm ID for 0.28mm ID columns

cat.# 20399 - 0.79mm ID for 0.53mm ID columns

cat.# 20535 - 0.53mm ID for 0.32mm ID columns

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***Call Technical Service at 800-356-1688 or 814-353-1300, ext. 4  
(or your Restek representative) if you have any questions  
about this product or any other Restek product.***

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