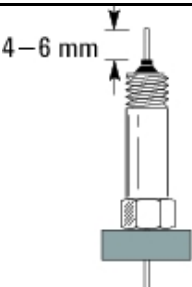
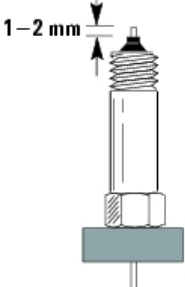
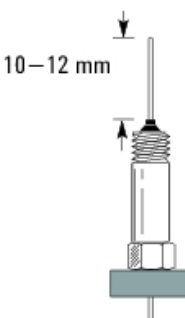
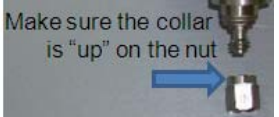
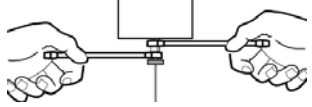
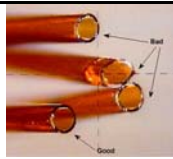
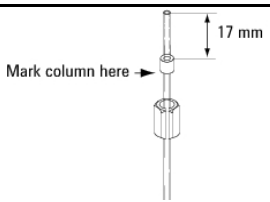
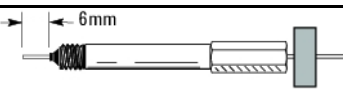




GC Column Installation Quick Reference Guide - Inlets

Inlet	Diagram	Procedure
Split/Splitless		Place a septum over the column, then the column nut and ferrule. Trim the end of the column with a column cutter. Pull the column back so that 4-6 mm of column is extending past the end of the ferrule. Thread the column nut and column into the inlet and tighten slightly past where the column grabs – retighten after heating.
Purged Packed		Place a septum over the column, then the column nut and ferrule. Trim the end of the column with a column cutter. Pull the column back so that 1-2 mm of column is extending past the end of the ferrule. Thread the column nut and column into the inlet and tighten slightly past where the column grabs – retighten after heating.
Multimode		NOTE: Make sure the column adapter nut on the inlet base is fully threaded on and spinning freely – Collar Up!  Tighten with two wrenches - 1/4" and 5/16" To prevent damage the inlet threads. 
Cool On Column		Insert the column all the way into the inlet until you feel the spring tension – do not withdraw. The column cut is critical. Tighten with two wrenches - 1/4" and 5/16" to avoid damaging the inlet.
PTV		There should be 17mm of column above the graphpak ferrule – the graphpak ferrule should be installed with the graphite end towards the inlet base. The column nut is slotted. Use a 5 mm wrench to tighten the fitting.
Volatiles Interface		There is a longer column nut for the VI so that you don't have to remove the inlet block. Part Number - G3504-20504





Agilent GC Support - Quick Reference Guide

GC Column Installation Quick Reference Guide - Detectors

Detector	Diagram	Procedure
FID/NPD		Place a septum over the column, then the column nut and ferrule. Trim the end of the column with a column cutter. Thread the column nut and column into the detector base. Insert the column all the way into the detector jet until it stops, then withdraw 1-2 mm before tightening the nut. The dimensions shown of 48 and 68 mm are provided for very narrow columns (<100um) which may go all the way through the jet.
TCD – Using the standard Low Leakage Ferrules		Place a 1/8" Swagelok nut and the Back and Front ferrules over the column. (Be sure to select the front ferrule size to match the column) Trim the end of the column with a column cutter. Thread the column nut and column into the detector base. Insert the column all the way into the detector jet until it stops, then withdraw 1-2 mm before tightening the nut. Re-tighten after heating.
TCD – Original Design Column Adapter		Install the column adapter to the 1/8" Swagelok TCD base using a graphite/vespel ferrule. Thread the column nut and column into the adapter. Insert the column all the way into the detector jet until it stops, then withdraw 1-2 mm before tightening the nut.
uECD		Be sure that the Makeup gas adapter is installed with the 19 mm dimension shown. Thread the column nut with column into the make-up gas adapter. Insert the column all the way into the mixing liner until it stops, then withdraw 1-2 mm - Use 2 wrenches to tighten the nut. Re-tighten after heating. The 70 mm dimension shown is provided for very narrow columns (<100um) which may go all the way through the mixing liner.
FPD		Install the column into the Column Measuring Tool Provided. Trim the column such that 1 mm extends from the end of the tool. Tighten the column nut and mark the position of the column at the back of the nut. Install into the detector base.

