



20106

**4" Tapered Needle Files**

These files can be used for many purposes. They are especially useful for removing ferrules that are lodged in injector or detector ports.

Description	qty.	cat.#	price
4" Tapered Needle Files	2-pk.	20106	



21601

**MXT® Needle Files**

Multi-purpose files especially useful for cutting Siltek® treated stainless steel columns.

Description	qty.	cat.#	price
MXT Needle Files	2-pk.	21601	



20122

**Mini Hand Drill Set**

Drill ferrules to the proper ID in seconds! Includes three drills, for use with 0.25, 0.32, and 0.53 mm ID (0.4, 0.5, and 0.8 mm OD) capillary columns.

Description	qty.	cat.#	price
Mini Hand Drill Set	3-piece set	20122	



20113

**Stainless Steel Jet Reamers**

A great tool for cleaning detector jets or removing stuck ferrules from other small orifices. Serrated design is optimal for removing silica deposits and other contaminants.

Description	qty.	cat.#	price
Stainless Steel Jet Reamers	6-piece set	20113	

**Pocket Magnifier**

- Small and easy to handle.
- 10x magnification makes it easy to see the column end to verify a square cut.



20124

Description	qty.	cat.#	price
Pocket Magnifier	ea.	20124	

**GC Oven Thermometer**

- Verify GC oven temperature.
- Quick measurements via sensor in the measuring tip.
- Swivel head can turn 180°.
- Wide measuring range: -50°C to +350°C.



22066

Description	qty.	cat.#	price
GC Oven Thermometer	ea.	22066	

**Flashlight with Swivel Head**

- Ideal for tight spaces—like inside a GC oven.
- Uses two AA batteries (included).



22187

Description	qty.	cat.#	price
Flashlight with Swivel Head	ea.	22187	

**Septum Puller**

- Use hooked end for removing septa and O-rings; pointed end works well for removing stuck ferrules or debris.
- Keep several on hand in your laboratory—can be used in many different ways.



Remove septum without damaging an expensive weldment.



Dislodge a stuck ferrule quickly and easily—without scoring the fitting.



20117

Description	qty.	cat.#	price
Septum Puller	ea.	20117	



save **money!**

You can save money on column installation tools by purchasing the MLE Capillary Tool Kits described on **page 276.**