

Darby NiTi Rotary Files

Composition

Operative portion is composed of nickel titanium alloy.

Indications For Use

For the removal of dentin and shaping of the root canal.

Warnings

Files are provided non-sterile, and must be sterilized before use. This product contains nickel and should not be used for individuals with known allergic sensitivity to this material.

Contraindications

None Known

Adverse Reaction

None Known

Precautions

1. As with all new products, you must exercise caution until you become proficient in its use.
2. A slow-speed handpiece is required for rotary file use.
3. Operate the handpiece at 300 - 500 RPM (Revolutions per minute) with a torque setting of 300 g-cm.
4. Straight-line access is a prerequisite for proper endodontic treatment.
5. Always utilize minimal apical pressure. Do not force the files down the canal.
6. Clean file flutes after each insertion into the root canal.
7. Frequently irrigate and lubricate the canal throughout the procedure.
8. Take each rotary file to length only one time and for no more than one second.
9. Exercise caution in the apical area and around significant curvatures.
10. Darby NiTi Rotary Files are single patient use devices.
11. If the file is too large and taken to length it will increase the risk of canal transportation and file separation.

Sterilization

Files must be sterilized before use. ANSI/ADA Specification 28 recommends:

- Scrub the instruments with soap and warm water
- Rinse thoroughly with distilled or deionized water
- Allow to air dry
- Place the instruments, unwrapped, in the autoclave tray
- Use fresh distilled or deionized water
- Steam Autoclave at 136°C (+/- 2°C) for 20 minutes
- Darby NiTi Rotary Files are single patient use instruments
- Recommended file disposal: Place used files in Biohazard Sharps container

Step-by-Step IFU Straight-Line Access

1. Create straight line access to canal orifices.
2. Locate canals and explore using small stainless steel hand instrument.
Minimum size #15 K-File required prior to rotary use. Apex Access Kit rotary files size #15 and #20 can also be used after #10 K-File in lieu of additional hand instruments.

Crown Down Shaping and Cleaning

.04 Taper Crown Down for all Canals

Start with a #17/.04 rotary file. Take the #17/.04 to resistance or working length (whichever occurs first). Proceed with the #20/.04 and then the #25/.04. Repeat going from #25/.04 to #20/.04 until one of the files reaches the working length. If this is the tip size you desire, then obturate. If not, take the next largest file to length. Keep taking the next largest size to length until you achieve the tip size you desire, and then obturate. Between each rotary file recapitulate with a #10 or #15 hand file to maintain glide path and help lubricate to the canal terminus.

.06 Taper Crown Down for Straight to Mildly Curved Canals

If a .06 taper is desired use the same .04 taper crown down technique. Start with a #17/.06 file to working length. Take the #20/.06 and #25/.06 to resistance or working length. If this is the tip size you desire, then obturate. If not, take the next largest file to length. Keep taking the next largest size to length until you achieve the tip size you desire, and then obturate. Between each rotary file recapitulate with a #10 or #15 hand file to maintain glide path and help lubricate to the canal terminus.

To reorder: Call 800.645.2310 or visit darby.com
Distributed by: Darby Dental Supply, LLC, Jericho, NY 11753



Consult instructions for use



Do not re-use



20 min.

Sterilize before use



For dental use only