



ENDO SYSTEM

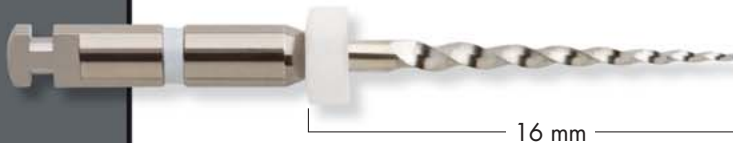
ProTaper Universal retreatment files are designed to remove filling materials, such as gutta-percha, carriers and paste fillers, prior to reshaping procedures. The technique for removing a carrier core obturator or gutta-percha alone is the same.

RETREATMENT TECHNIQUE

Retreatment Tips

- Always begin with a well-angulated set of radiographs.
- Understanding the specific canal anatomy is critical to success.
- Obtain straight-line access to the canal.
- Assess the obturation material.
- Heat and friction will help remove the obturation material.
- Throughout the procedure, remove the instruments, inspect and clean the flutes. Then, re-insert and continue to auger material out of the canal.
- Recommended speed for ProTaper Universal retreatment instruments is 500-700 RPM for gutta-percha and carrier based obturators. Use 300 RPM to remove paste fillers.
- ProTaper Universal rotary files are single patient use devices.

D1 (30/.09)
For coronal filling removal



D2 (25/.08)
For mid-root filling removal



D3 (20/.07)
For apical filling removal



0
5
10
15
20
25
30
millimeters



PROTAPER®
UNIVERSAL

ENDO SYSTEM



RETREATMENT TECHNIQUE

Step-by-Step Instructions

- Establish a pilot hole using small sized stainless steel hand files with an appropriate solvent, heat carrier or ultrasonic instrument.
- Without engaging dentin, gently press the spinning D1 into the obturation material.
- Use the D1 to remove the obturation material from the coronal 1/3.
- Next, use the D2 to progressively remove material from the middle 1/3.
- When appropriate, use the D3 to remove obturation material from the apical 1/3. Use hand files with a solvent to remove obturation materials from the apical 1/3 when encountering intricate anatomy.
- Remove the files frequently and inspect flutes. Continue as long as obturation material is visualized between the cutting blades.

- *Dark gray handles no more than 11 mm long for better visibility.*
- *One, two or three white bands according to the instrument selected.*
- *3 lengths, 3 progressive tapers and 3 apical diameters to remove materials from the coronal, middle and apical thirds of the canal.*
- *The D1 has a working tip to facilitate initial penetration.*

For Dental Use Only
Rx only

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See Directions For Use

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