

OUTSTANDING PERFORMANCE
TIME AFTER TIME



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PROTAPER®
UNIVERSAL

The new generation

DENSPLY
MAILLEFER

ProTaper® Universal is the new version of the Nickel Titanium system in the world

+ Easier

- only one instrument sequence whatever the canal shape
- an easy to remember protocol (colour-coded)
- drying and obturation solutions specifically designed for ProTaper® files, with the same colour-codes for instant identification

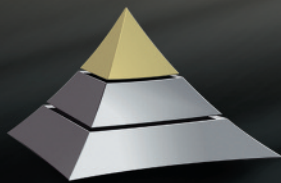
+ Faster

- only 3 instruments needed in most cases
- high cutting power

ProTaper® Universal is a comprehensive system the needs of all clinicians in all clinical cases

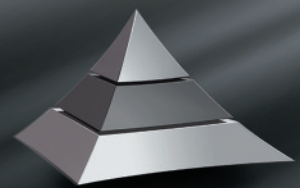
Treatment

Rotary ProTaper® files ensure rapid and high quality canal shaping. ProTaper® files For Hand Use, have the same design as that of the rotary ones and are useful for more difficult cases such as canals with great apical curvature. They are also excellent instruments for all clinicians practicing manual endodontics.



Retreatment

ProTaper® re-treatment files have been designed to remove filling material before canal re-shaping.



The new generation

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most popular endodontic

+ More efficient

- increased apical taper for better canal cleaning
- better debris removal due to the unique «Multiple Taper» design of these instruments

+ Safer

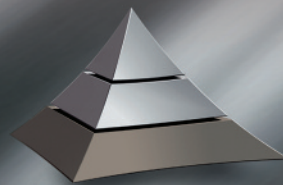
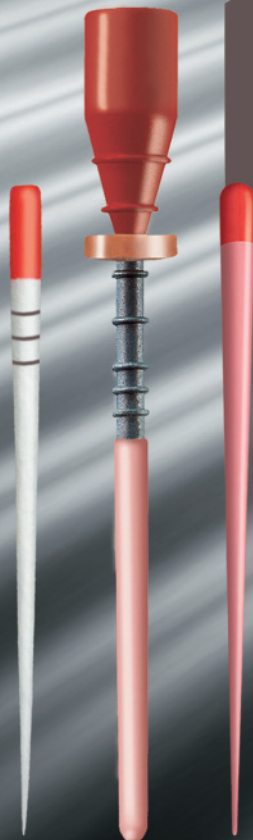
- guiding tip with rounded end to minimize canal deviations
- these instruments are also available in a manual version to treat anatomically difficult cases or for clinicians who prefer to use hand files for tactile control reasons

specifically designed to meet

Obturation

As ProTaper® paper points F1-F5 match tapers of the files, they ensure rapid canal drying.

As they perfectly correspond to the size of the shaping files, the ProTaper® obturators and gutta percha points give you the guarantee of optimized obturation.

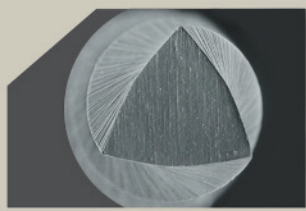


The new generation

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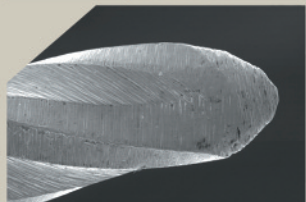
PROTAPER® TREATMENT

The state of the art in Root Canal Treatment



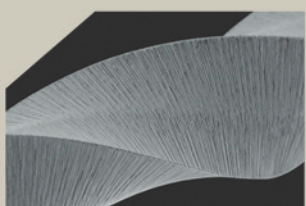
- high cutting efficiency
- dentine instrument contact is reduced to prevent screwing

Triangular cross-section



- better elimination of debris
- the file respects better the root canal path

Variable Helix Angle and New Non-cutting Guiding tip



- deep shape that facilitates cleaning and obturation, making it safer
- file stress is minimized
- fewer instruments are needed for shaping

Multiple Taper

ProTaper® Universal, minimal number of instruments

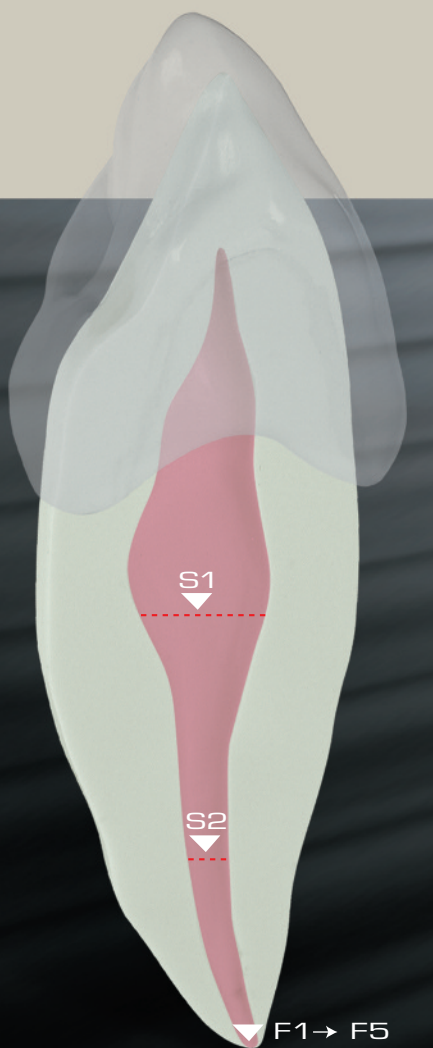
Basic instrumentation sequence covering most clinical cases



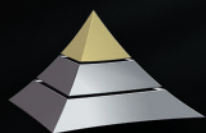
Finishing of wide apical part



Finishing of very wide apical part

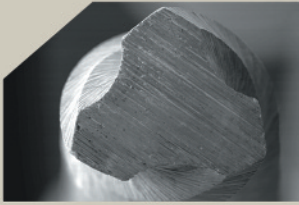


F1 → F5

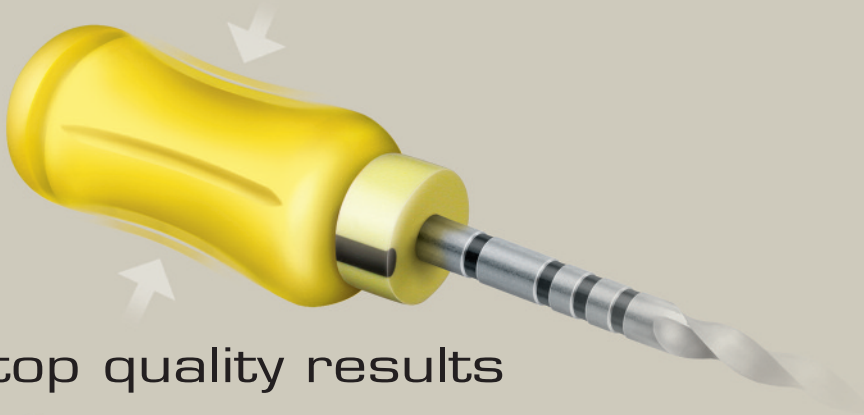


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Increased efficiency and versatility



- two additional finishers (F4 and F5) for broad apices (Iso sizes: 040 and 050)
- increased flexibility of files F3, F4 and F5 due to the hollowed portion of these instruments
- all files are now available in length 31 mm for treatment of long canals
- ProTaper® For Hand Use instruments are now fitted with silicone handles for better comfort



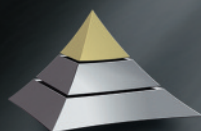
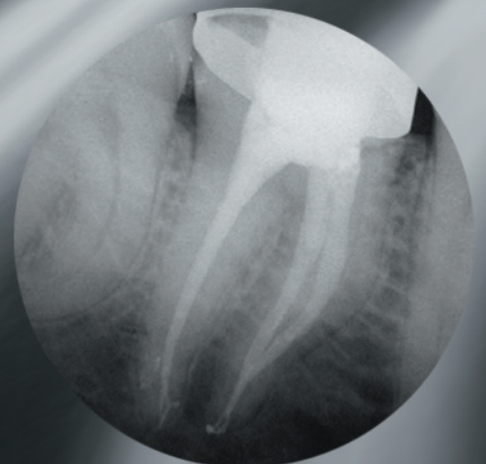
for top quality results

The ProTaper® Rules

- once working length is confirmed, use each instrument progressively down to the working length
- always irrigate the canal before engaging the file
- clean the instrument directly after use
- ProTaper® rotary files should be used at a constant and stable speed between 150 and 350 rpm.
- for a better result, ProTaper® rotary shaping files S1, S2 and SX should be used with a brushing action
- withdraw the file once the working length is reached



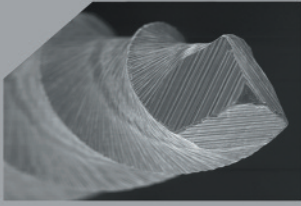
If necessary, use ProTaper® Sx to increase the taper of the coronal part of the canal. In its rotary version, ProTaper® Sx can also be used with a brushing action to move the coronal aspect of the canal away from the furcation.



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PROTAPER® RETREATMENT

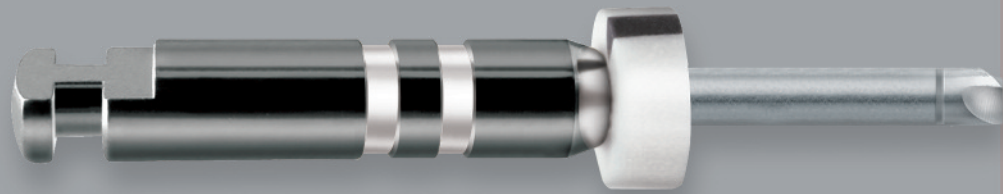
D1+D2+D3: instruments specially designed for easy un-filling, featuring:



- D1 file with working tip to facilitate initial penetration
- 3 lengths and 3 progressive tapers to fit all three parts of the canal (coronal/middle/apical)

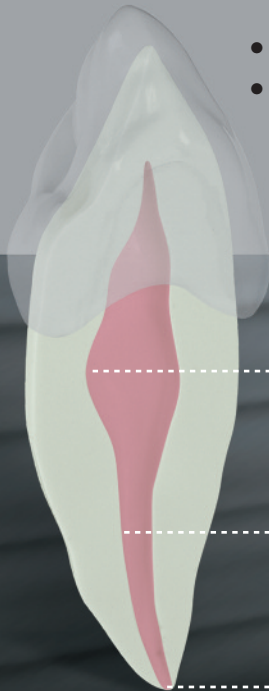
An instrument sequence easy to remember

- from the shortest up to the longest file: D1 – D2 – D3

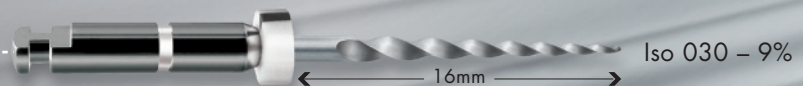


Instant identification

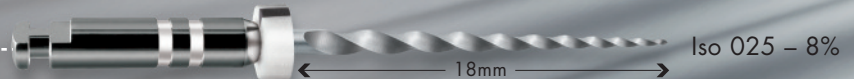
- dark grey handles no more than 11 mm long for better visibility
- instrument with one, two or three white bands according to the instrument selected.



ProTaper® D1 - for coronal filling removal



ProTaper® D2 - for middle filling removal



ProTaper® D3 - for apical filling removal



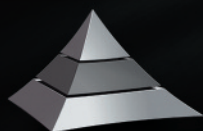
ProTaper® rules for removal of filling material

- the file penetration is carried out by exerting very slight apical pressure
- withdraw the file frequently, inspect it and remove the debris from its flutes before continuing
- if the file cannot go deeper, use a hand file to overcome the resistance and confirm the canal permeability
- in case of eugenol-based soluble pastes: firstly, soften the paste with DMS IV solvent (Dentsply Maillefer)

Recommended speed:

- for obturations with gutta percha or Thermafil/ProTaper® obturators: 500 rpm
- for zinc oxide eugenol based obturations: 250-300 rpm

Ni-Ti files cannot be used to unfill resin-type pastes.



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PROTAPER® OBTURATION

ProTaper® Universal,
specific drying and obturation systems
for increased comfort



Easy

- one file – one point – one obturation (reduced risk of error)
- easy identification: same colour-codes and designations

Advanced Design

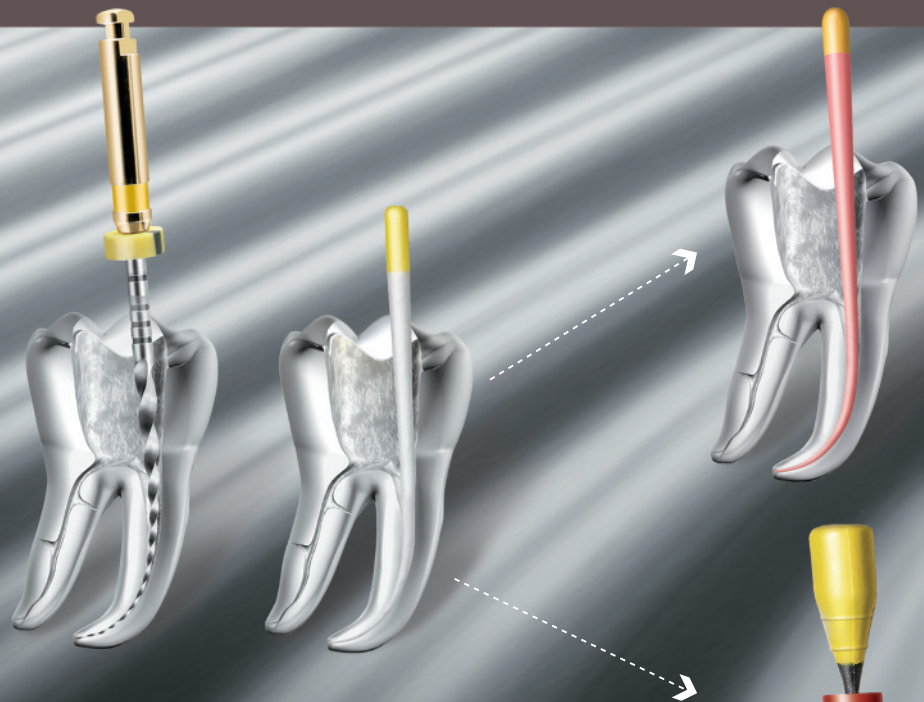
- optimal fit over the entire canal length
- perfect single-cone or 3D-warm obturation according to the system selected



Rapid

- one-step warm obturation technique (ProTaper® obturators)

one file – one point – one obturation



Directions for Use (ProTaper® Obturators)

- These obturators should be heated using a Thermanprep oven
- Heating temperature: use the button for sizes 020-060



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ProTaper® Universal range

Treatment

Rotary



- ProTaper® Treatment Kit REF A 0415
- Assortment REF A 0409

Manual

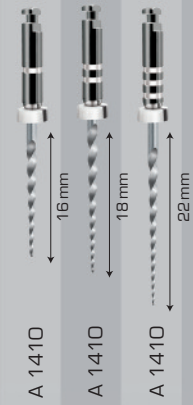


- Assortment REF A 0418



Retreatment

D1 D2 D3



- Assortment REF A 1412



- ProTaper® Retreatment Kit REF A 1415

Obturation F1 F2 F3 F4 F5

- Paper points for ProTaper® REF A 022W

- Gutta percha points for ProTaper® REF A 022X

- ProTaper® Obturators REF A1411



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