

CHANNELS



DIRECTIONS FOR USE

COMPOSITION

The instrument is made of an Annealed Heat Treated (AHT) nickel-titanium alloy. All files are constant tapered.

Channels RF™ Indications for Use

These files are used in endodontics for the removal of dentin and root canal shaping. It is compatible with the reciprocating file system and must be used in the motor and hand piece system using the motor setting.

Contraindications

- Like all mechanically driven endodontic instruments they should not be used in cases with very severe and sudden curvatures.
- This product contains nickel and should not be used for individuals with known allergic sensitivity to this metal.

Warnings

- A rubber dam system should be used.
- Channels RF™ files are non-sterile and must be sterilized before patient use.
- Do not use the Channels RF™ file in a traditional rotary hand piece.

Precautions for Use

As with all products, use carefully until you become proficient with use. Always determine working length using radiographs and/or apex locator to properly use reciprocating files. Important points to remember:

1. Use only in an electric motor and hand piece designed for the instruments.
2. Straight-line access is imperative for proper reciprocating file use and endodontic treatment.
3. Do not force the files down canals, use minimal apical pressure.
4. Clean the flutes frequently and at least after removing the files from the canal.
5. Irrigate and lubricate the canal frequently throughout the procedure.

6. Take each reciprocating file to length only one time and for no more than one second.
7. In apical areas and curved canals exercise caution.
8. Channels RF™ files are single patient use devices.
9. Reuse: Once file is used do not reuse. If a file is reused and used on a different patient infection can be introduced. Performance of the file can also be reduced.
10. When instrumenting the canal, do not over enlarge the coronal portion of the canal.
11. Too large a file taken to length increases the risk of canal transportation and file separation.
12. Channels RF™ files undergo our proprietary Annealed Heat Treatment (AHT) forming NiTi which increases cyclic fatigue resistance and torque strength. With this proprietary processing, Channels RF™ files may be slightly curved. This is not a manufacturing defect. While the file can be easily straightened with your fingers, it is not necessary as once they are inside the canal, Channels RF™ files will follow and conform to the natural canal anatomy and curvatures.

Adverse Reactions

- Device fracture/breakage
- Infection
- Complications usually associated with endodontic procedures including:
 - Pain
 - Instrument fracture/breakage
 - Soft tissue damage/bleeding

INSTRUCTIONS FOR USE

Sterilization

Files must be cleaned and sterilized before use.

- Scrub the instruments with soap and warm water.
- Rinse thoroughly with distilled or deionized water.
- Allow to air dry.
- Place the instruments, unwrapped, in an autoclave tray.
- Use fresh distilled or deionized water.
- Insert in a steam gravity cycle autoclave at 136° C (plus or minus 2° C) for 20 minutes.
- Channels RF™ files are for single patient use.

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- Used files should be disposed of in a Biohazard Sharps container.

Channels RF™ Straight-Line Access

- Create a glide path and determine the working length prior to Channels RF™ file use by negotiating all root canals to their terminus with stainless steel #10 and #15 hand files and a lubricant.
- Establish patency by taking a #10 K-File 1mm past the canal terminus, and at least a #15 K-File to the terminus.

Channels RF™ Size Selection

- If the #10 hand file was tight use the Channels RF™ 20/06
- If the #10 hand file was easy but the #15 hand file was tight use the Channels RF™ 25/.06
- If both the #10 and #15 hand files were easy use the Channels RF™ 40/.06

Safe Unwinding

- As a safety feature the files are designed to unwind. They may be used until the files unwind backwards.

Channels RF™ Canal Shaping and Cleaning

- The Channels RF™ files can only be used in a motor designed for instruments.
- Place the selected Channels RF™ file into the hand piece.
- With lubricant in the canal and light apical pressure, use a gentle inward pecking motion advancing the file 2-3 mm then lifting up 1-2 mm. Keep repeating this motion to passively advance the Channels RF™ file until it does not easily progress.
- Remove the Channels RF™ file from the canal, remove debris and inspect the file, irrigate and recapitulate with a #10 hand file 1 mm past the canal terminus.
- Repeat steps 3 & 4 until the Channels RF™ file is to the working length. If after repeated attempts the Channels RF™ file does not seem to be advancing any further, drop down in Channels RF™ file size and finish the canal.

- Apically gauge the size of the foramen with a hand file the same tip size as the Channels RF™ file taken to length. If the gauging hand file is a snug fit, the preparation is finished. If it is loose, use the next larger Channels RF™ file to finish the preparation. Then obturate the canal.

Electric Hand Piece

The Channels RF™ file can only be used in an electric hand piece and motor designed for instruments using the setting. See manufacturer specifications.

Obturation of Canal Systems

- When using thermal carrier system use size verifiers to determine the proper sized carrier.
- When using a master gutta percha cone that matches the largest file taken to length, remember sometimes you may need to drop down in cone tip size if the corresponding gutta percha to your final rotary file does not go to length.

Hand Piece

Only use the Channels RF™ in same hand piece and motor that is designed for the instrument using the setting.

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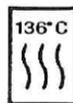
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For Dental Use Only
Rx Only
Sterilize Before Use



Do not reuse



20 Min.



Consult IFU before use
www.insightendo.com

Autoclave for 20 minutes
at 136°C +/- 2°C
(276.8°F +/- 35.6°F)