



DIRECTIONS FOR USE

COMPOSITION

The instrument is made of an Annealed Heat Treated (AHT) nickel-titanium alloy.

Channels Glide Path Indications for Use

• Channels Glide Path Files are used to form the glide path before using any rotary or reciprocating files.

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.
- The Channels Glide Path files are non-sterile and must be sterilized before patient use.
- Channels Glide Path Files are intended for single use to avoid file separation.
- Channels Performance Taper files are for use in dental use only, by trained Clinician.
- Rotary motors: The **Channels Glide Path** can be used in a clockwise rotary motor but not in the reciprocating motor, which moves in the counterclockwise direction.

Precautions for Use

As with all products, use carefully until you become proficient with use. Always determine working length using radio graphs and/or apex locator to properly use rotary files.

Important points to remember:

1. Use only in an electric motor and handpiece designed for rotary file instruments.
2. Straight-line access is imperative for proper rotary 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 rotary file to length only one time and for no more than one second.
7. In apical areas and curved canals exercise caution.

8. Channels Glide Path files are single patient use devices.

9. Reuse: Once a 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 Glide Path files undergo our proprietary Annealed Heat Treatment (AHT) forming which increases cyclic fatigue resistance and torque strength. Channels Glide Path 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 Glide Path 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 a long-handled bristle brush in water and a suitable detergent (specified for the purpose).
- Rinse thoroughly with distilled, deionized, or RO water.
- Allow to air dry.
- Place the instruments, wrapped or unwrapped, in an autoclave tray.
- Insert in a steam gravity cycle autoclave, unwrapped, at 134°C-137°C with a max temp of 140°C for a minimum 3 minutes.
- Channels Glide Path files are for single patient use.
- Used files should be disposed of in a Biohazard Sharps container.

Electric Handpiece

The Channels Glide Path file can only be used in an electric handpiece and motor designed for rotary files. See manufacturer specifications.

Channels Glide Path Straight-Line Access and Glide Path Formation

- Prepare straight-line access to canal orifice.
- With lubrication in the canal form a glide path with a size #10 and #15 hand files or mechanical glide path 2/3 down the length of the canal.

Channels Glide Path Size Selection: G1, G2, GX, C1, C2, C3 Files

- Established canal patency by taking #10 1mm past working length.
- Take a #15 hand file to working length. Shape and Finish Canal.
- Fill chamber with EDTA liquid.
- Take G1 to working length. Rinse with EDTA liquid.
- Recapitulate #10 hand file to working length.
- Take G2 to working length. Rinse with EDTA liquid.
- Recapitulate #10 hand file to working length. Take F1 to working length.
- Rinse with EDTA liquid.
- Recapitulate #10 hand file to working length.
- If a larger file is needed then use C2 or C3. Disinfect and Obturate Canals with Gutta Percha Points.
- Fill chamber with EDTA liquid.
- Take #10 hand file 2/3 down canal.
- Fill chamber with EDTA liquid.
- Take GX tip size 19 rotary file to length of hand files form glide path in Apical 1/3.
- Fill chamber with EDTA liquid.
- Take #10 hand file to estimated working length.
- Establish working length with Apex Locator using hand file or X-ray.

Optional Steps: G1, G2, C1, C2, C3 Files

- Established canal patency by taking #10 1mm past working length.
- Take a #15 hand file to working length Shape and Finish Apical 1/3.
- Fill chamber with EDTA liquid.
- Take G1 to working length. Rinse with EDTA liquid.
- Recapitulate #10 hand file to working length.
- Take G2 to working length. Rinse with EDTA liquid. Recapitulate #10 hand file to working length. Take C1 to working length.
- Rinse with EDTA liquid. Recapitulate #10 hand file to working length.
- If a larger file is needed then use C2 or C3.
- Disinfect and obturate canals with gutta percha points.

Safe Unwinding

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

Channels Glide Path Canal Shaping and Cleaning: GX, G1 and G2 Files

- With lubricant in the canal and with light apical pressure take the G1 19 into the canal and follow the glide path using an in-and-out motion while laterally brushing the dentine on the outstroke to enhance the straight-line access of the canal.
- Continue shaping with the G1 until resistance is met or 2/3 down the canal is reached.
 - Then use the G2 20, in the same way until resistance is met or 2/3 down the canal is reached.
- Switch between the G1 and G2 following the glide path using the same in-and-out as described for both files until 2/3 down the canal is reached.
- Now that the coronal 2/3 of the canal is shaped, form a glide path with the size #10 and #15 hand files or mechanical glide path files into the apical 1/3.
- Establish working length with radiographs and/or an apex locator. Then confirm patency by taking the #10 hand file 1mm past the working length.
- Then, using the same motion as before, switch between the G1 19 and G2 20 until G2 reaches the working length.
- If a larger coronal shape is desired, use the GX 19 at any time after the coronal 2/3 is shaped.

Completing Canal Shaping and Cleaning: C1, C2, C3, C4 Files.

- With lubricant in the canal and with light apical pressure complete canal shaping and cleaning by taking the C1 20 down the canal until the working length is reached.
- Apically gauge the foramen at the working length with a #20 hand file. If the #20 hand file is snug at the working length, the canal is shaped and ready to obturate.
- If the #20 hand file is loose, take the C2 25 to the working length, then gauge with a #25 hand file. When necessary, the C3 30 or C4 40 may need to be used.

Obturation of Canal Systems

- When using a 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.

Speed and Torque

- Use the same handpiece with the same speed and torque settings you are currently using with your rotary system. Or if you wish, you can use all **Channels Glide Path** rotary files at the following speed and torque settings:

Speed Torque
300-500 rpm 300 g-cm

Storage

Store at room temperature of 10°C~37.8°C, away from any sunlight.

 Consult IFU before use
www.insightendo.com

Distributed by:
Insight Endo
41 Weaver Road
Denver, PA 17517 USA

For Dental Use Only
Do not reuse
Sterilize Before Use

 Autoclave for 20 minutes
at 138°C +/- 2°C
(276.8°F +/- 35.6°F)

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