ENDOPERFECTION ROTARY AND RECIPROCATING FILES IFU

Indications for Use

- Endoperfection files are intended for cleaning, shaping and removal of dentin, pulp or existing obturation materials, during root canal preparation.

Intended User

- These instruments are intended for use only by qualified dentists and clinicians.

Intended Patient Population

- Patients of all ages

Contraindications

- As these instruments are made of Nickel-Titanium, they should not be used in patients with allergies to this substance.

Warnings

- These instruments should not be used in cases where there is severe and sudden curvatures
- These instruments are sterile and single use only
- Check the packaging for any signs of damage which could affect the sterility of the device. If this is suspected do not use the instrument.
- Used instruments should be disposed of in the appropriate sharps clinical waste.

Precautions

- Instructions for use must be adhered to, failure to do so could result in poor treatment or fracture of the instruments.
- The working length should be determined using a radiograph or apex locator.

- Use only in an endodontic motor suitable for each specific instrument and strictly adhere to the guidelines regarding direction of rotation, speed and torque. If not then there is a risk of file fracture, blocking or ledging or perforation.
- Exercise extreme caution in the apical areas as there may be severe curvatures
- Instruments may appear curved on removal from the packaging, this is not an issue as the heat treated alloy with certain instruments is able to hold a curve. They can be straightened before entering the canal if desired.
- store at room temperature in a dry and clean environment away from direct sunlight

FILE SYSTEMS

For the desired Instructions for Use click on the individual product below:

VARYFLEX
VFG GLIDE

VARYFLEX VFG GLIDE

- Use in a designated speed and torque controlled motor at 250 RPM and 1.5Ncm
- Isolate the tooth using rubber dam
- Gain access to the root canal system.
- Scout the canals initially using a small hand file, ideally an 8 or 10 K-file
- Establish working length (WL) using an apex locator or radiograph
- Create a glide path using a VaryFlex Glide (VFG) rotary file by gradually progressing apically.

VARYFLEX
VFT TAPER

VARYFLEX VFT TAPER

- Use in a designated speed and torque controlled motor at 250-350 RPM and 3Ncm
- Isolate the tooth using rubber dam
- Gain access to the root canal system.
- Scout the canals initially using a small hand file, ideally an 8 or 10 K-file
- Establish working length (WL) using an apex locator or radiograph
- Create a glide path using a size 15 file of VaryFlex Glide (VFG) rotary file
- Using a controlled apical motion take the S1 gradually to the working length. If this doesn't get there after 4 or 5 motions, remove the file, clean the flutes with gauze, use a size 10 patency file and irrigate with NaOCl. Re-introduce the S1 until the working length is reached.
- Once the S1 has reached the WL, take the S2 to WL, irrigate and confirm patency with size 10 hand file.
- Take the F1 to WL irrigate and confirm patency with size 10 hand file.
- Gauge with hand files and use corresponding finishing file F2, F3 F4 or F5 to length should a larger apical shape be desired.
- Irrigate with EDTA (aq) and activate to help remove the smear layer
- Irrigate finally with NaOCl and then rinse and dry the canal.
- Obturate with the corresponding matching gutta percha potentially dropping down a size if the matching cone doesn't fit to length.

VARYFLEX
VFR RECIPROCATING

VARYFLEX VFR RECIPROCATING

- Use in a designated motor with the reciprocating setting at 150° CCW (reverse) and 30° CW (forwards) at 350 RPM and 4Ncm.
- Isolate the tooth using rubber dam
- Gain access to the root canal system.
- Scout the canals initially using a small hand file, ideally an 8 or 10 K-file
- Establish working length (WL) using an apex locator or radiograph
- Create a glide path using a size 15 file of VaryFlex Glide (VFG) rotary file
- Using a controlled apical motion take the VFR 25 into the canal and slowly work apically.
- If after 3-4 strokes the file hasn't got to the WL, remove and clean the flutes whilst irrigating the canal and checking patency.
- Re-introduce the VFR25 and progress until the WL is reached.
- Irrigate with EDTA (aq) and activate to help remove the smear layer
- Irrigate finally with NaOCl and then rinse and dry the canal.
- Obturate with the corresponding matching gutta percha potentially dropping down a size if the matching cone doesn't fit to length.
- There is a larger VFR40 should a larger shape be required.

VARYFLEX
VFN NEO

VARYFLEX VFN NEO

- Use in a designated speed and torque controlled motor at 250-500 RPM and 1.5Ncm
- Isolate the tooth using rubber dam
- Gain access to the root canal system.
- Scout the canals initially using a small hand file, ideally an 8 or 10 K-file
- Establish working length (WL) using an apex locator or radiograph
- Create a glide path using a size 15 file of VaryFlex Glide (VFG) rotary file
- Using a controlled apical motion take the 15/04 gradually to the working length. If this doesn't get there after 4 or 5 motions, remove the file, clean the flutes with gauze, use a size 10 hand file to confirm patency and irrigate with NaOCl. Re-introduce the 15/04 until the working length is reached.
- Once the 15/04 has reached the WL, take the 25/04 to WL, irrigate and confirm patency with size 10 hand file.
- Should bigger sizes be required we have orange of these in both 0.4 and 0.6 tapers
- Irrigate with EDTA (aq) and activate to help remove the smear layer
- Irrigate finally with NaOCl and then rinse and dry the canal.
- Obturate with the corresponding matching gutta percha potentially dropping down a size if the matching cone doesn't fit to length.

VARYFLEX
VFF FLOW

VARYFLEX VFF FLOW

- Use in a designated speed and torque controlled motor at 350-500 RPM and 3-4Ncm
- Isolate the tooth using rubber dam
- Gain access to the root canal system.
- Scout the canals initially using a small hand file, ideally an 8 or 10 K-file
- Establish working length (WL) using an apex locator or radiograph
- Create a glide path using a size 15 file of VaryFlex Glide (VFG) rotary file
- In small canals:
- Using a controlled apical motion take the 25/04 gradually to the working length. If resistance is met move down to 20/04, patency filing and irrigating in between. Repeat until the desired file reaches the WL.
- For larger canals use a similar sequence but using the 35/04 to 30/04 and for very large canals the same but with 45/04 to 40/04
- Irrigate with EDTA (aq) and activate to help remove the smear layer
- Irrigate finally with NaOCl and then rinse and dry the canal.
- Obturate with the corresponding matching gutta percha potentially dropping down a size if the matching cone doesn't fit to length.
- Clinicians familiar with K3®, Profile®, TF Adaptive®, Endosequence® and Race® can use the technique they are already familiar with, with these instruments.

VARYFLEX
VFO ONE

VARYFLEX VFO ONE

- Use in a designated motor with the reciprocating setting at 150° CCW (reverse) and 30° CW (forwards) at 350 RPM and 4Ncm, or a designated motor using the Wave One® settings.
- Isolate the tooth using rubber dam
- Gain access to the root canal system.
- Scout the canals initially using a small hand file, ideally an 8 or 10 K-file
- Establish working length (WL) using an apex locator or radiograph
- Create a glide path using a size 15 file of VaryFlex Glide (VFG) rotary file
- For most canals use the VaryFlex One Primary (25/07) but for very narrow canals use the VFO Small (20/06) or larger canals the VFO Medium (35/06) or VFO Large (40/06).
- Using a controlled apical motion take the VFOne into the canal and slowly work apically.
- If after 3-4 strokes the file hasn't got to the WL, remove and clean the flutes whilst irrigating the canal and checking patency.
- Re-introduce the VFOne and progress until the WL is reached.
- Irrigate with EDTA (aq) and activate to help remove the smear layer
- Irrigate finally with NaOCl and then rinse and dry the canal.
- Obturate with the corresponding matching gutta percha potentially dropping down a size if the matching cone doesn't fit to length.
- Users of Wave One Gold® can use the VFOne files using the same protocol.

VARYFLEX
VFU UNIVERSAL

VARYFLEX VFU UNIVERSAL

- Use in a designated speed and torque controlled motor at 350-500 RPM and 3-4Ncm
- Isolate the tooth using rubber dam
- Gain access to the root canal system.
- Scout the canals initially using a small hand file, ideally an 8 or 10 K-file
- Establish working length (WL) using an apex locator or radiograph
- Create a glide path using a size 15 file of VaryFlex Glide (VFG) rotary file
- If a 0.4 Taper is desired:
- Using a controlled apical motion take the 25/04 gradually to the working length. If resistance is met move down to 20/04, patency filing and irrigating in between. Repeat until the desired file reaches the WL. If there is still resistance to the 20/04 reaching length then occasionally it may be desirable to use the 17/04 and take this to length. Then repeat the above steps until either the 20/04 or 25/04 reaches the WL.
- If a larger apical size is required then take subsequent 0.4 taper sizes to WL until the desired shape is created
- If a 0.6 taper is desired:
- Using a controlled apical motion take the 25/06 gradually to the working length. If resistance is met move down to 20/06, patency filing and irrigating in between. Repeat until the desired file reaches the WL. If there is still resistance to the 20/06 reaching length then occasionally it may be desirable to use the 17/06 or 17/04 and take this to length. Then repeat the above steps until either the 20/06 or 25/06 reaches the WL.

- If a larger apical size is required then take subsequent 0.4 or 0.6 taper sizes to WL until the desired shape is created
- Irrigate with EDTA (aq) and activate to help remove the smear layer
- Irrigate finally with NaOCl and then rinse and dry the canal.
- Obturate with the corresponding matching gutta percha potentially dropping down a size if the matching cone doesn't fit to length.

VARYFLEX
VFR^T RETREATMENT

VARYFLEX VFR^T RETREATMENT

- Use in a designated speed and torque controlled motor at 350-500 RPM and 3-4Ncm
- Isolate the tooth using rubber dam
- Gain access to the root canal system.
- Using a crown down technique and with irrigant/solvents within the access cavity chamber, progress the RT1, RT2 or RT3 down into the canal to facilitate the removal of the existing gutta percha root filling.
- Each time the files stops progressing - re-irrigate and attempt to achieve patency using a size 10 hand file.
- Once this has been achieved c lean and shape the canal to your desired size and clean and obturate.

Symbols

	Use-By Date
	Lot Number
	Device Identifier
	Sterilized Using Irradiation
	Do Not Use If Packaging Is Damaged
	Do Not Resterilize
	Consult Instruction For Use
	Do Not Re-Use
	Contains Nickel Titanium (Applicable To Niti Instruments Only)