

FOR DENTAL USE ONLY

**DIRECTIONS FOR USE WAVEONE™ INSTRUMENTS**  
**STERILE RECIPROCATING FILES - REF. A0700**

**WaveOne™ instruments for endodontic treatment:**

- WaveOne™ SMALL file # 021.06
- WaveOne™ PRIMARY file # 025.08
- WaveOne™ LARGE file # 040.08

**0) COMPOSITION**

The cutting part of these instruments is made of a nickel-titanium alloy.

**1) INDICATIONS FOR USE**

These instruments are to be used only in a clinical or hospital environment, by qualified users following good dental practices (using gloves, glasses, rubber dam ...).

WaveOne™ Instruments are for use in endodontic treatment, by shaping & cleaning the root canal system.

**2) CONTRAINDICATIONS**

In common with all mechanically driven root canal instruments, WaveOne™ instruments should not be used in cases of severe and sudden apical curvatures.

**3) WARNINGS**

This product contains Nickel and should not be used for individuals with known allergic sensitivity to this metal.

**4) PRECAUTIONS**

- The WaveOne™ are Single Use instruments.
- Clean flutes frequently and check for signs of distortion or wear.
- Irrigate abundantly and frequently due to the fast preparation.
- Initiate shaping procedures with the selected WaveOne™ file in the presence of NaOCl.
- Use a gentle inward pecking motion, with short 2–3 mm amplitude strokes, to passively advance the WaveOne™ file until it does not easily progress anymore.
- These files must only be used in Reciprocating motion with appropriate Dentsply Maillefer motors.

## 5) ADVERSE REACTIONS

In common with all mechanically driven root canal instruments, WaveOne™ instruments should not be used in cases of severe and sudden apical curvature due to high risk of breakage.

## 6) STEP BY STEP INSTRUCTIONS FOR WAVEONE™ FILES

### 6.1) WaveOne™ Shaping Considerations

- 1) Radiographic Evaluation  
Review different horizontally angulated radiographs to diagnostically determine the width, length, and curvature of any given canal.
- 2) Access Preparation  
Create straight-line access to the canal orifice(s) with emphasis on flaring, flattening, and finishing the internal axial walls.
- 3) WaveOne™ File selection “Clinical & Anatomical Guidelines”
  - The PRIMARY (025.08) file is designed to fully shape the majority of all root canals.
  - If a K-File 010 is very resistant to movement then the size is SMALL(021.06)  
May include mandibular incisors, MBII canals within maxillary molars, and/or canals that exhibit apical curvatures.
  - If a K-File 020 easily goes to length then the size is LARGE (040.08)  
May include maxillary incisors, single-canal bicuspids and some larger diameter molar canals.

### 6.2) WaveOne™ Shaping Technique














- 1) Establish straight-line coronal access to the orifice.
- 2) Estimate the working length using well-angulated preoperative radiographic or digital images.
- 3) Create a glide path by gently working a 010 file, using irrigation or a viscous chelator as preferred, until resistance is met and the file doesn't progress anymore. Then work it until it is completely loose.
- 4) Select the WaveOne™ file by reviewing the “Clinical & Anatomical” Guidelines. Select the preprogrammed WaveOne™ motor settings.
- 5) Initiate shaping procedures with the selected WaveOne™ file in the presence of an irrigant. Use a gentle inward pecking motion, with short 2 – 3 mm amplitude strokes, to passively advance the WaveOne™ file until it does not easily progress anymore.
- 6) Withdraw the WaveOne™ file, remove the debris and inspect its cutting flutes, irrigate and repeat step 3 & 5 until the coronal two-thirds of the canal have been shaped.
- 7) Negotiate the apical one-third of the canal with a 010 file in the presence of a viscous chelator. Gently work this file until it is completely loose at the full working length. Establish final working length, confirm patency, verify the glide path and irrigate.
- 8) Use the WaveOne™ file to final working length. The finished shape is confirmed if the apical flutes of the file are loaded with dentin. Irrigate, recapitulate, and re-irrigate. Gauge the size of the foramen with an ISO hand file that has the same diameter as the WaveOne™ file carried to working length. If the gauging hand file is snug at length, the preparation is finished. If the gauging file is loose at length, generally use a larger WaveOne™ file to finish the preparation.
- 9) In very rare cases you need to select the SMALL WaveOne™ file (021.06) if the PRIMARY WaveOne™ file (025.08) will not readily advance to the desired length. Use this SMALL WaveOne™ file to either initially or fully shape the apical one-third.
- 10) Use “active” irrigation methods to promote 3D disinfection of the root canal system.

## 7) DISINFECTION, CLEANING AND STERILIZATION

WaveOne™ is intended for Single use only.

Disinfection, cleaning and sterilization procedures are not recommended.

Re-use of WaveOne™ can increase the risk of cross contamination and breakage.

Symbols	EN
	Handle Right angle RA
	Expiry date
	Manufacturer
	See directions for use
	Sterilized product, electromagnetic or ionic radiation sterilization process
	Non sterilizable
	One use only
	Batch number
	Assortment
	Nickel titanium
	Silicone
	m-Wire nickel Titanium
	Do not use if seal broken

### Manufacturer



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