

# ProTaper Next®



*FOR DENTAL USE ONLY*

## **DIRECTIONS FOR USE**

### **ROTARY FILES**

### **PROTAPER NEXT® INSTRUMENTS FOR ENDODONTIC TREATMENT:**

- ProTaper Next® X1 / 017/04 VARIABLE TAPERED INSTRUMENT
- ProTaper Next® X2 / 025/06 VARIABLE TAPERED INSTRUMENT
- ProTaper Next® X3 / 030/07 VARIABLE TAPERED INSTRUMENT
- ProTaper Next® X4 / 040/06 VARIABLE TAPERED INSTRUMENT
- ProTaper Next® X5 / 050/06 VARIABLE TAPERED INSTRUMENT

### **0) COMPOSITION**

The cutting part of these instruments is made of a nickel-titanium alloy brand named M-Wire®. All files are variably tapered.

### **1) INDICATIONS FOR USE**

The ProTaper Next® instruments are used in endodontic treatment for shaping & cleaning the root canal system. These instruments are to be used only in a clinical environment by qualified users.

### **2) CONTRAINDICATIONS**

In common with all mechanically driven root canal instruments, the ProTaper Next® instruments should not be used in cases of very severe and sudden apical curvatures.

### **3) WARNINGS**

- In order to prevent infectious agent transfer it is highly recommended to use a rubber dam system during the endodontic procedure.
- ProTaper Next® is provided Sterile and reuse can increase the risk of cross contamination or breakage.

### **4) PRECAUTIONS**

- ProTaper Next® files are single use devices. They can become less efficient after multiple uses causing undue stress to the file. This can lead to file separation.
- Exercise caution in the apical area and around significant curvatures.
- For your own safety, wear personal protective equipment (gloves, glasses, mask).
- Irrigate the root canal copiously and frequently during the shaping procedure.

- Lubricants such as NaOCl, EDTA or ProLube® root canal conditioner are recommended.
- Establish a reproducible glide path using small-sized manual and/or dedicated mechanical glide path files.
- Use in a constant rotation at a speed of 300 rpm with light apical pressure.
- For optimal usage, torque control devices are recommended at 200 gcm (adjustable up to 520 gcm according to practitioner experience).
- Clean flutes frequently and check for signs of distortion or wear.
- The ProTaper Next® instruments are recommended to be used mechanically (manually in very severe curvatures) in a clockwise continuous motion.
- The ProTaper Next® instruments are recommended to be used with a brushing motion, away from external root concavities, to facilitate flute unloading and apical file progression.
- Use the ProTaper Next® files to passively follow the canal until the working length is achieved.







## 5) ADVERSE REACTIONS

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

## 6) STEP BY STEP INSTRUCTIONS FOR THE PROTAPER NEXT® FILES

- 1) Prepare straightline access to canal orifice.
- 2) Explore the canal using small-sized hand files, determine working length, verify patency and confirm a smooth, reproducible glide path.
- 3) Always irrigate and if necessary, expand the glide path using small-sized hand files or dedicated mechanical glide path files.
- 4) In the presence of NaOCl, brush and follow, along the glide path, with the ProTaper Next® X1 (017/04) file, in one or more passes, alternatively with small-sized hand files if necessary, until the working length is reached.
- 5) Use ProTaper Next® X2 (025/06), exactly as described for ProTaper Next® X1 file, until the working length is passively reached.
- 6) Inspect the apical flutes of the ProTaper Next® X2 file; if they are loaded with dentin, then the shape is cut, the correspondingly sized gutta-percha master cone or size verifier may be fitted, and the canal is ready for disinfection.
- 7) Alternatively, gauge the foramen with a size 025 hand file and, if this file is snug at length, the canal is shaped and ready for disinfection.
- 8) If the size 025 hand file is loose at length, then continue shaping with the ProTaper Next® X3 (030/07) and, when necessary, the ProTaper Next® X4 (040/06) or X5 (050/06), gauging after each instrument with the 030, 040 or 050 hand files, respectively.

During protocol of use, irrigate, recapitulate with a small-sized hand file after each sequential ProTaper Next® instrument, then re-irrigate.

Symbols	US
	m-Wire nickel Titanium
	Single use only
	Sterilized using irradiation
	Consult Instructions for use
	Do not use if seal broken
	Nonreturnable if seal is broken

**Manufactured for:**

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