



## EndoPLUS Alternate Path File/ EndoPLUS Alternate File

### Instructions for Use

#### IMPORTANT

Read this 'Instructions for Use' document before handling. This product is for use by dental professionals only.

**SPECIALLY DESIGNED FOR USE IN DENTISTRY**

#### IDENTIFICATION

Perfection Plus EndoPLUS Alternate Path File and EndoPLUS Alternate File have an operating tip made from Niti material with a brass shank, the operating tip has a cutting edge. The limit block is made of silicone. The instruments are supplied non-sterile and should be sterilised before use.



Product Name	EndoPLUS Alternate File Pk4 and EndoPLUS Alternate Path File Pk 4
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#### PRODUCT CODE – REF

##### Alternate Path File - Cross Section

004/6050 Alternate Path File 21mm ISO 15 Pk 4

004/6052 Alternate Path File 31mm ISO 15 Pk 4

004/6051 Alternate Path File 25mm ISO 15 Pk 4

##### Alternate File – Cross Section

004/6020 Alternate File 21mm ISO 20 Yellow Pk 4

004/6033 Alternate File 25mm ISO 45 White Pk 4

004/6021 Alternate File 21mm ISO 25 Red Pk 4

004/6034 Alternate File 25mm ISO 20-45 Assorted Pk 4

004/6022 Alternate File 21mm ISO 35 Green Pk 4

004/6040 Alternate File 31mm ISO 20 Yellow Pk 4

004/6023 Alternate File 21mm ISO 45 White Pk 4

004/6041 Alternate File 31mm ISO 25 Red Pk 4

004/6024 Alternate File 21mm ISO 20-45 Assorted Pk 4

004/6042 Alternate File 31mm ISO 35 Green Pk 4

004/6030 Alternate File 25mm ISO 20 Yellow Pk 4

004/6043 Alternate File 31mm ISO 45 White Pk 4

004/6031 Alternate File 25mm ISO 25 Red Pk 4

004/6044 Alternate File 31mm ISO 20-45 Assorted Pk 4

004/6032 Alternate File 25mm ISO 35 Green Pk 4

Model	ISO Size	Taper	Length	Torque	Speed
EndoPLUS Alternate Files	#20	07	21, 25, 31mm	2.0-3.0N/cm	350rpm
	#25	07		2.0-3.0N/cm	350rpm
	#35	06		2.0-3.0N/cm	350rpm
	#45	05		2.0-3.0N/cm	350rpm
EndoPLUS Alternate Path Files	#15	02	21, 25, 31mm	5.0N/cm	300rpm

#### INDICATIONS FOR USE

The EndoPLUS Alternate Files are for use during an endodontic treatment in a case of root canal infection, for shaping and cleaning the root canal system. They should be used in conjunction with the matching motor and should be sterilised before use.

#### CONTRAINDICATIONS AND PROHIBITIONS

Do not use on patients with a nickel allergy.

#### PRECAUTIONS FOR USE

1. This product is provided non-sterile and must be sterilised before use. For the sterilisation method see Disinfection, Sterilisation and Cleaning.
2. These are single use instruments.
3. This product needs to be used in conjunction with a suitable motor for reciprocating motion.
4. This product is not suitable for the preparation of complex root canals with acute angles.



- Do not use glutaraldehyde or other disinfectants.
- Once used, dispose of this product in accordance with local laws.

### **TECHNIQUE**

Select a suitable Endodontic Motor:

#### **EndoPLUS Alternate Path File**

- Prepare straight line access to canal orifice.
- Establish glide path using chelating agent and a K File ISO 10.
- Determine working length with X Ray and/or Apex Locator and choose the appropriate length of EndoPLUS Alternate Path File 0.15mm.
- Irrigate and then with gentle pressure let the file passively progress until the working length is reached.
- Irrigate the expanded glide path and reconfirm working length before shaping.

#### **EndoPLUS Alternate File**

- Initiate the shaping procedure using Sodium hypochlorite and a Primary Endo Plus Alternate File ISO 25/.07.
- With gentle pressure let the file progress to pre-enlarge the coronal two thirds of the canal.
- Gently continue until the working length is reached.
- Remove the file and ensure canal is adequately irrigated.
- Inspect the file, if the cutting-edge grooves are loaded with dentinal debris the shape is completed.
- If the file doesn't progress use the EndoPLUS Alternate File ISO 20/.07 in one or more passes to working length and then use the Primary file to optimize shape.
- If the Primary file is loose or contains no dentinal debris select the EndoPLUS Alternate Medium ISO 35/0.6 or EndoPLUS Alternate Large File 45/.05 to continue shaping the canal.

### **DISINFECTION, STERILISATION AND CLEANING**

Autoclave at 134°C, relative pressure 202.8KPa, for not less than 3 minutes.



### **STORAGE**

Store at room temperature.

### **PACKAGING**

Minimum packing unit: 4 pcs. Assorted packs contain 1 of each size, ISO 20-45.

### **CAUTION**



Should a serious incident in relation to the product occur, it should be reported to the manufacturer and the competent authority.

### **LOT NUMBER**

The batch code is shown as LOT. Please quote this in all correspondence.

### **EXPLANATION OF SYMBOLS USED**

	For use with a Right Angle hand piece		Distributor
	Reference Number		Caution - For Dental Use only
	Nickel Titanium		Expiry Date
	Silicone		Lot number
	Autoclave temperature		Importer
	Single Use only		Manufacturer
	Medical Device		EC Representative
	For use with a specialist Reciprocating motion handpiece		Do not use if packaging is damaged.

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