


endo★star **UNIQUE S-FILES****1. Description:**

Endostar Unique S-files are very special endodontic instruments. Unique S-file has a 'S file' configuration in cross section and it has non-standard ISO sizes-so-called 'half-size'. It helps to match the file to specific clinical case. Using of Endostar Unique S-files helps to avoid steps during the root canal preparation. There are following sizes of the instruments: 12,5; 17,5 and 22,5. Endostar Unique S-files are very effective and they have great cutting ability. S-files are used to enlarge the canal with a longitudinal filling or a rotational cutting action.

- non-standard ISO-sizes: 12,5; 17,5 and 22,5,
- great cutting ability,
- great removal of dentin debris,
- 2 cutting edges angled 90° (edges distributed symmetrically at 180° on the long axis),
- cross-section: 
- precisely cut shape made of very hard, yet flexible stainless steel alloy,
- avoidance of making steps in root canal,
- non cutting tip,
- good flexibility,
- millimeter scale etched on the blade (18 to 25 mm from the tip), which facilitates the determination of the working length.

**2. Recommended number of use:**

Maximum of 1-2 times, depending on the size (see Table 1), provided that visual inspection performed by the practitioner prior to use shows that the instrument remains undamaged, is not bent (does not apply to bending the instrument by dentist to the curvature of the canal), deformed, does not show signs of blade wear. Prolonging the life of the instrument more than recommended may result in the blade breaking.

*Table 1*

File no	12,5	17,5	22,5
Number of times that the instrument can be used:	1-2	1-2	1-2

**3. Cleaning and disinfection:**

Detailed instructions for cleaning, disinfection and sterilization can be found on the website [www.poldent.pl](http://www.poldent.pl) and [www.endostar.eu](http://www.endostar.eu) in the download tab.

## 4. Sterilization:

This is a non-sterile product. Sterilize before use. The instruments can be sterilized in a steam sterilizer (autoclave) at 134°C. Recommended sterilization time: 3 minutes at 2.1 bar overpressure. Instruments can be disinfected with mild disinfectants and washed in ultrasonic cleaners.

## 5. Storage:










Instruments should be stored at room temperature in a dry, dust-free and clean environment.




## 6. Warnings:

This product is for professional dental use only.

## 7. Product claims:

Please notify the distributor and manufacturer of any claims or adverse events which occurred as a result of operating this device. Each serious incident connected with this product should be reported to the manufacturer and the competent authority of the Member State in which the user is established.

	Cross-section
	CE mark
	Sterilize in a steam autoclave at 134 ° C
	Non-sterile product
	Used for root canal preparation.
	Serial number/ Lot number
	Consult instruction for use
	Medical device
	Catalogue number

	Packaging unit
	Date of manufacture
	Stainless steel


**Manufactured by:**

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