

# Endostar E3. Only three steps.

EASY, EFFICIENT, ERGONOMIC



[www.poldent.pl](http://www.poldent.pl)

endo★star



# System that suits your needs



## Novel rotary files, designed to be used with all the endodontic handpieces.

This new system takes into account dentists' needs and in the effect it streamlines the effective endodontic treatment.

EASY

EFFICIENT

ERGONOMIC

### Easy sequence

Complete solution for each type of root canal. Just 3 selected files of 18 and 25 mm length, most commonly used for root canal preparation. The low number of files ensures easy working sequence as well as high efficiency of preparation of most root canal types thanks to the add-on sets: Endostar E3 Big Apical and Endostar E3 Small Apical.

### Efficiency

Endostar E3 system can easily adapt even to the most curved canals, thus minimizing the risk of perforation. The modified NiTi S file shape with two cutting edges of 90° cutting angle ensures efficient cutting of dentin, dentin removal from the canal as well as accelerated preparation of the apical section of the canal. The non-cutting file tip ensures safe canal instrumentation, minimizing the risk of *via falsa*, perforation and ledging.

### Comfort of use

Only 3 files. It is the optimal files number, that will greatly shorten procedure duration. Easily identified taper (coded as the number of stripes on the shaft) and ISO size (color of the stripes) significantly streamline your work. For your convenience the Endostar E3 system is packed in blisters.

**Safe tip**

Safe, rounded, non-cutting tip.

**Blade**

Efficiently removes dentin from the canal. A progressively increasing distance between cutting edges prevents the effect of thread engagement.

**Shaft**

The shaft has been shortened to 13 mm to ensure better visibility. The shaft is compatible with all the endodontic handpieces.

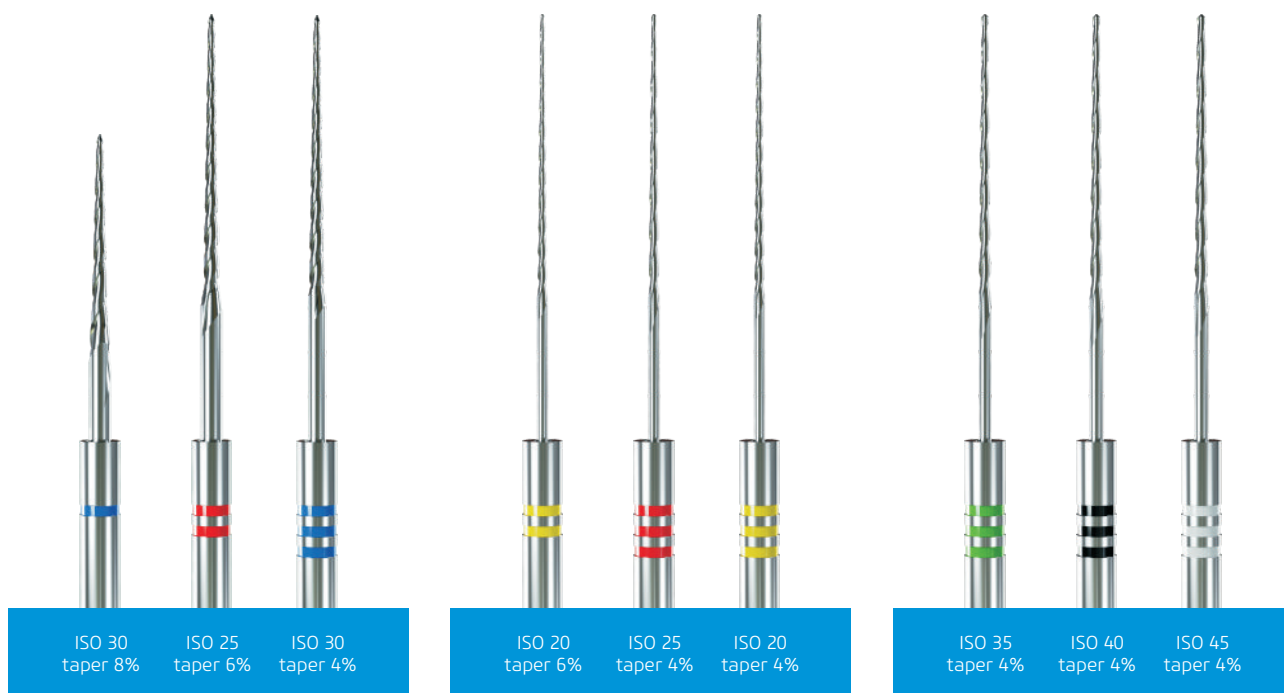
**Taper coded by stripes on the shaft**

- I - taper 8%
- II - taper 6 %
- III - taper 4%



# Perfect adaptation

**Complete solution for each type of root canal.** Endostar E3 means three solutions, three files, three steps to reach your goal.



## Endostar E3 Basic

Should be used in canals that are straight or slightly curved and of standard diameter. In cases of more complex root canal anatomy - canals that are very narrow or significantly curved - it will be necessary to extend the instrumentation workflow, including the E3 Small files set in the sequence.

## Endostar E3 Small Apical

Is an add-on set to the basic Endostar E3 system, intended for use in the very narrow and curved canals. It requires initial preparation with the E3 Basic system files.

## Endostar E3 Big Apical

Is an add-on set to the basic Endostar E3 system, intended for use in cases of wide canals, where the final preparation to #30 is not enough. This is not a standalone system, it should only be used after the initial preparation with the set of E3 Basic files.

# Step by step

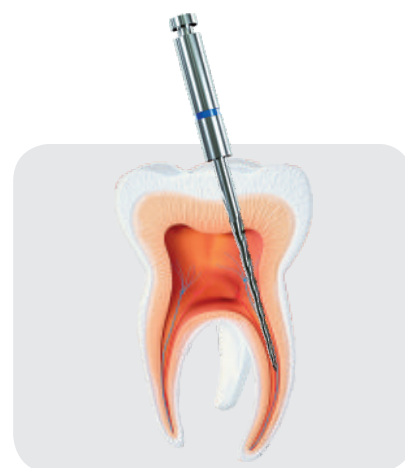
**Broad range of indications.** The files feature high flexibility and separation resistance. This system enables easy and fast instrumentation in a few steps.



Localize and negotiate the canal with hand file #15.



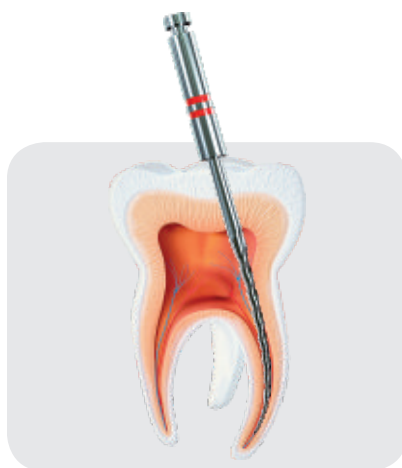
Determine the working length. Continue instrumentation to working length using hand files, finishing with #20 or bigger.



Using E3 file No. 1 prepare the root canal to about 1/2 of working length.



Using file No. 2 prepare the root canal to about 2/3 of working length. Rinse the canal and check the working length



Then introduce file No. 2 to the working length.



Use file No. 3 to prepare the root canal to working length.

*Detailed instructions available with the set and on the web site [e3.endostar.eu](http://e3.endostar.eu) and [poldent.pl](http://poldent.pl)*

# Handpiece Endostar ProEndo

**Cordless endodontic handpiece.** Compatible with all rotary systems, designed and programmed specifically for Endostar E3 system.

- > Mobile, narrow, ergonomic.
- > Automatic stop and autoreverse functions ensure safe work in patient's mouth.
- > Easy-to-read LCD panel.
- > Memory with 6 adjustable programs.
- > Contra-angle head is steam autoclavable at 135 °C.
- > Adjustable Rotary speed (min-1): 120-2000 rpm.
- > Torque (N/cm): 0.1-4.0
- > Operating time on a full charge: approx. 80 minutes.
- > Fast charging: approx. 90 minutes.
- > Handpiece turns off after 10 minutes of inactivity.

## Parameters of Endostar ProEndo

Speed Range (min)	Gear Ratio	Torque Level (Ncm)
550 - 2000	4:1	0.1 - 1.0
230 - 800	10:1	0.2 - 2.0
140 - 500	16:1	0.3 - 3.0
120 - 400	20:1	0.4 - 4.0

## Endostar ProEndo settings for Endostar E3 Rotary System

System	File number	Standard torque	Advanced torque	ProEndo setting
E3 BASIC	1 (8/30)	2.4	3.0	1
	2 (6/25)	2.1	3.0	2
	3 (4/30)	0.9	2.1	3
E3 SMALL	1 (6/20)	0.9	2.1	3
	2 (4/25)	0.9	2.1	3
	3 (4/20)	0.9	2.1	3
E3 BIG	1 (4/35)	2.1	3.0	2
	2 (4/40)	2.1	3.0	2
	3 (4/45)	2.1	3.0	2

System Endostar E3 is recommended to use only with ratio 16: 1. Settings can be changed by the user.



# Order information



## Endostar E3, sets

<b>E3</b>	E3 Rotary System, 30/08 (18 mm), 25/06, 30/04, 25 mm, 3 pcs
<b>E3S</b>	E3 Small Apical, 20/04, 25/04, 20/06, 25 mm, 3 pcs
<b>E3B</b>	E3 Big Apical, 35/04, 40/04, 45/04, 25 mm, 3 pcs

## Endostar E3 Basic

<b>E3300818</b>	E3 Rotary System, refill, 30/08, 18 mm, 6 pcs
<b>E3250625</b>	E3 Rotary System, refill, 25/06, 25 mm, 6 pcs
<b>E3300425</b>	E3 Rotary System, refill, 30/04, 25 mm, 6 pcs

## Endostar E3 Small Apical

<b>E3200425</b>	E3 Rotary System, refill, 20/04, 25 mm, 6 pcs
<b>E3250425</b>	E3 Rotary System, refill, 25/04, 25 mm, 6 pcs
<b>E3200625</b>	E3 Rotary System, refill, 20/06, 25 mm, 6 pcs

## Endostar E3 Big Apical

<b>E3350425</b>	E3 Rotary System, refill, 35/04, 25 mm, 6 pcs
<b>E3400425</b>	E3 Rotary System, refill, 40/04, 25 mm, 6 pcs
<b>E3450425</b>	E3 Rotary System, refill, 45/04, 25 mm, 6 pcs

## Endodontic handpiece Endostar PROendo

<b>PROENDO</b>	Endostar PROendo, set Handpiece, docking station, charger, power cord
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