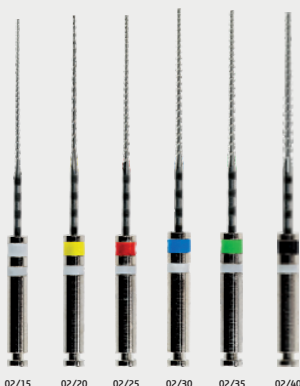


NT2

NITI TWO
ROTARY SYSTEM

EN

endo★star



Instruction for use

Endostar NT2 NiTi Two Rotary System

1. Important information regarding the system

Endostar NT2 NiTi Two Rotary System is an economical nickel-titanium file system for simple and fast mechanical processing of root canals, mainly with the traditional method. The system consists of 6 files. It is characterized by a constant .02 taper and a non-cutting tip. The set is most commonly used as an extension of the Endostar E3 Rotary System.

- > A handpiece, which can provide 150-300 rpm, should be used. The operating speed of the handpiece should be constant throughout the shaping process.
- > Do not apply excessive force. An up-and-down motion should be used when operating the files.
- > Shaping time should be as short as possible.
- > Always use a lubricating agent when shaping the canal.
- > The files are very sharp and should be used very carefully, with little force and without excessive "pushing" down the canal.
- > Operate the instruments and handpieces according to their operating instructions (especially torque and speed settings).
- > Use the type and number of instruments that is truly needed in a given clinical situation.
- > Control the amount of times that the instrument was used.
- > Before using the instruments, be sure to see them working outside the oral cavity to check for deformations, and/or cracks.
- > Dispose of as medical waste.

2. Recommended movements

- > **Rotary movement** - the instrument rotates continuously 360° in a clockwise direction (CW - Clock Wise).

3. Recommended torque settings

File number	Torque (Ncm)	File number	Torque (Ncm)
1 (02/15)	0.3	4 (02/30)	0.4-0.5
2 (02/20)	0.3	5 (02/35)	0.5-0.6
3 (02/25)	0.3-0.4	6 (02/40)	0.6-0.7

Files should be used with motor speed between 150 and 300 rpm.

The torque settings indicated in the table above are only suggestions and may vary according to each user preferences and endodontic motor capabilities. Do not exceed the upper torque limit which is different for each instrument. If precise torque settings cannot be set, and only manufacturer-specific torque levels are available, be sure to select one that does not exceed the recommended limit.

4. Recommended number of usage

Maximum of 5 times, provided that visual inspection performed by the practitioner prior to use shows that the instrument remains undamaged, is not bent, deformed, does not show signs of blade wear and can be securely attached to the handpiece. If the file has been subjected to high torsion force, especially in highly curved canals the instrument should be used only once.



- > Prolonging the life of the instrument more than recommended may result in the blade breaking.
- > Dispose the file which appear to be defective.

5. Clinical instruction for use



- Rinse the canal each time after the file is used.
- Clean the files of any debris frequently.

- Prepare the cavity. Use a rubber dam.
- Locate all canal orifices. Fill the canal orifice with a lubricant.
- Specify the working length of the canal with your method of choice.
- Make sure all canals are patent up to a depth of 2-3 mm from the apex with the help of the K15 file. For very curved and narrow canals, use a different hand instrument, size 06, 08, or 10.
- Create access to the canal orifice using rotary files with a greater taper (06, 08) or with the use of Gates Glidden drills.
- Start working with the 02/15 or 02/20 file until you reach full working length and then switch to other instruments (02/25, 02/30, etc) until you reach the desired canal size.

6. Warnings

This product is for professional dental use only.

7. Cleaning and disinfection

Detailed instructions for cleaning, disinfection and sterilization can be found on the website www.poldent.pl and www.endostar.eu in the download tab.

8. 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.

9. Storage

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

10. 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 and identification number of the notified body



Medical device



Sterilize in a steam autoclave at 134°C



Non-sterile product



Used for root canal preparation



Serial number
Lot number



Consult instruction for use



Nickel-titanium



Date of manufacture



Catalogue number



Packaging unit



Manufactured by:

Poldent Co. Ltd.
Dzika 2 Street, 00-194 Warsaw, Poland
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E-mail: poldent@poldent.pl, endostar@endostar.eu
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