

# Instructions for use

## E-SPARK BLUE

### Step by step

#### **[Cleaning, Disinfection and Sterilization]:**

The product is provided in a non-sterile state; it is single use device.

It is required to be processed before each use by following Step-by-Step instructions, with steam sterilization at 126°C for 30 minutes.

Step-by-Step instructions:

- 1) Steam sterilization at 126°C for 30 minutes;
- 2) Rinse the device with Normal saline (0.9% NaCl) for 10 seconds;
- 3) Dry the device with a dental air gun;

These instruments are meant to be used in a clinical/hospital environment, by qualified personnel, according to the correct operative procedures (gloves, face mask, rubber dam).

FANTA E-SPARK BLUE are indicated for the endodontic retreatment, shaping and cleaning of the root canal system.

#### **CONTRAINDICATIONS**

No marked apical curvatures

No canal blocks

Do not use in patients allergic to Nickel

#### **RECOMMENDATIONS**

Frequently clean the spires

Frequently check for distortions or wear of the file

Irrigate frequently and abundantly

Follow the advised settings RPM - Torque

Start the procedure after scouting

Work with plenty of irrigant into the root canal

Apply a soft pressure to the instrument and use movements of picking or brushing

#### **Picking**

Make the instrument advance of 1-3 mm with gentle movements in and out the root canal

#### **Brushing**

Activate the instrument and insert it into the root canal without touching the walls.

Allow the instrument touching the canal walls, then make small movements in coronal direction, without taking the instrument out of the root canal.

Allow the instrument to move apically for 1-3mm, then repeat, advancing towards the apex with up and down movements.

#### **BENEFITS**

- Safety
- cutting efficiency
- Debris removal
- Usability

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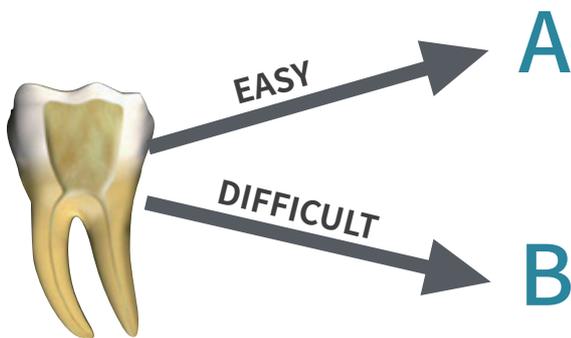


Step by step



Speed: 400-500 rpm  
Torque: 2.5 N

400 in difficult cases  
500 in simple cases



Take 1 or more periapical X-Rays to assess length, width and curvature of the root canal(s).

### Determine the complexity of the case

#### EASY:

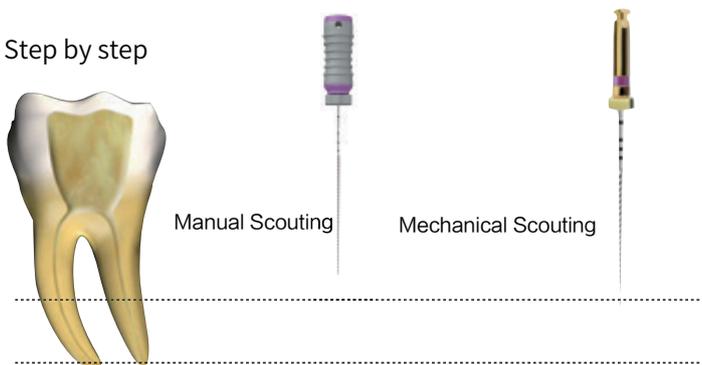
straight and wide canals

#### DIFFICULT:

canals with single or double curvatures.

thin or calcified canals

Step by step



Access Cavity: design an access to the root canal openings as a function of the anatomy of the tooth, with particular care to the smoothing of the internal axial walls and to enlarge the root canal openings.

Scout coronal 2/3 of canals with manual or mechanical instruments (add AF blue open file in difficult cases)

Scout and enlarge the apical 1/3 of the canal



## EASY

# A

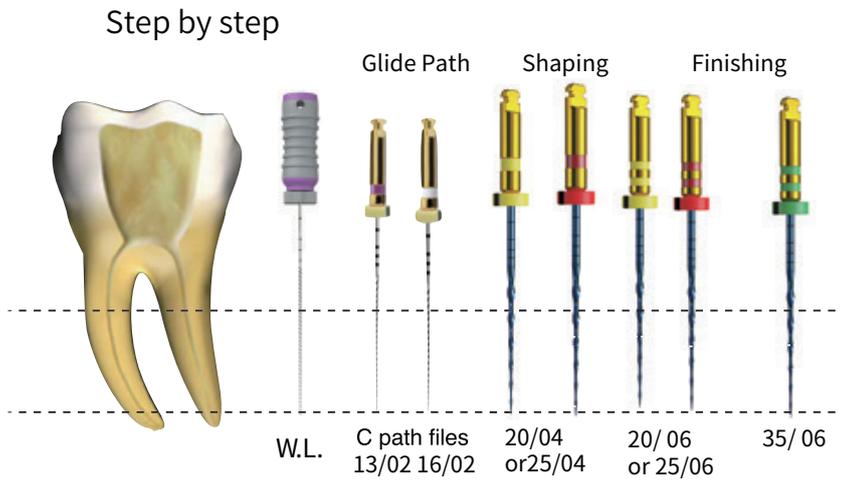
After taking the manual file to the WL, make the glide path.

**C Path files** 13/02, 16/02 with brushing or picking motion.

Rinse thoroughly after every passage of the instruments and verify the patency with .10 manual file.

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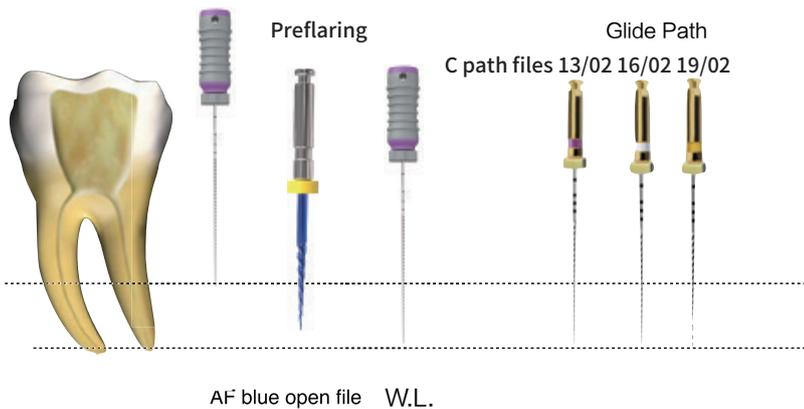
EASY

A

**Shape** the canal(s) with E-SPARK BLUE file 20/.04 or 25/.04 with brushing or picking motion (500 RPM, 2.5 Torque).

Rinse abundantly after every instrument passage and verify the patency of the canal.

Finish the shaping with 20/.06 or 25/.06 instruments used as previously described. If the root canal anatomy allows it, shape it up to 35/.06.

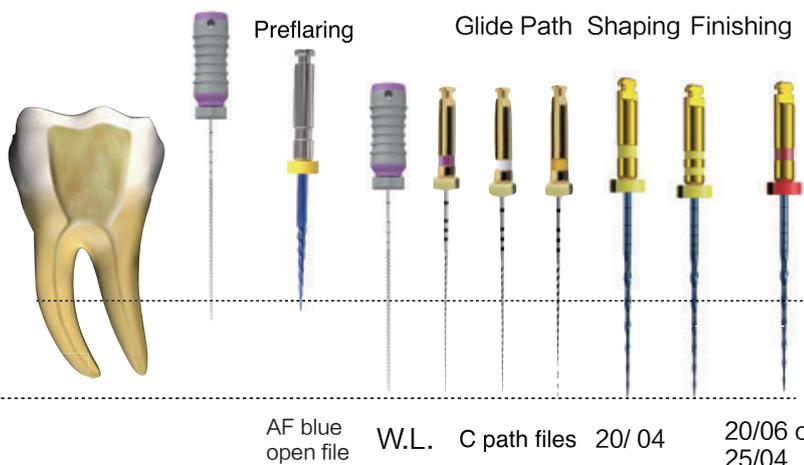


DIFFICULT

B

If the scouting shows a difficult anatomy, start preflaring the coronal 2/3 using AF blue **open file**, then proceed apically with C Path files 13/02, 16/02, 19/02 with brushing or picking motion.

Rinse thoroughly after every passage of the instruments and repeat until reaching the WL with a .10 manual file.



DIFFICULT

B

**Shape** the canal(s) with AFE-Spark Blue file 20/.04 with brushing or picking motion (400 RPM, 2.5 Torque).

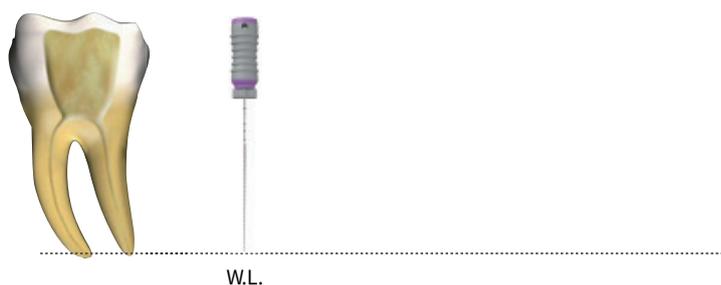
Rinse abundantly after every instrument passage and verify the patency of the canal.

Finish the shaping with 25/.04 or 20/.06 instruments used as previously described.

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Gauge the foramen with a manual file of the same size of the last instrument that reached the W.L.

If necessary, use larger files for an increased apical enlargement

Check again the apical size of the preparation



Dry the root canal system with dedicated cannulas and paper points

Fill the root canal system in the most suitable way to ensure a three-dimensional obturation, according to the root canal anatomy:

- Single cone + bioceramic sealer
- Warm vertical condensation of gutta percha
- Carrier-based techniques

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⚠ NI-TI Allergy is Prohibited