

## MicroEndo MicroObturator

### RX Only - For Dental Use Only



Single  
Use Only



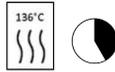
Do Not Use  
If Seal Is  
Broken



Consult  
Instructions  
For Use



Sterilize  
Before Use



Autoclave  
Temperature and  
Time

### Composition

Operative portion is composed of nickel titanium alloy.

### Indications for use

For the obturation of a treated root canal during root canal therapy.

### Warnings

Files are provided non-sterile, and must be sterilized before use. This product contains nickel and should not be used for individuals with known allergic sensitivity to this material.

### Contraindications

None Known

### Adverse Reactions

None Known

### Precautions

1. As with all new products, you must exercise caution until you become proficient in its use.
2. Straight-line access is a prerequisite for proper endodontic treatment.
3. Always utilize minimal apical pressure. Do not force the files down the canal.
4. Exercise caution in the apical area and around significant curvatures.

### Sterilization

Files must be sterilized before use. ANSI/ADA Specification 28 recommends:

- Scrub the instruments with soap and warm water
- Rinse thoroughly with distilled or deionized water
- Allow to air dry
- Place the instruments, unwrapped, in the autoclave tray
- Use fresh distilled or deionized water
- Steam Autoclave at 136°C (+/- 2°C) for 20 minutes
- Rotary files are single patient use instruments
- Recommended file disposal: Place used files in Biohazard Sharps container

### Step-by-Step IFU

General Rules of Instrument Usage:

1. Instrument working length 1mm short of apex, three sizes larger than apical patency. Apex not to be open over a size 20 (0.2mm). Example: Apical patency size 15, working length size 30.
2. Try obturator in to make sure it fits, 1mm short of apex.
3. Size recommendation for obturators: Size 13 for working length size 25 or less. Size 16 Obturator for sizes 30 to 40. Size 19 for working length size 45 or greater. Smaller sizes may be used for longer or more curved canals.
4. Heat MicroEndo MicroFlow GP in "Obtura" type gun to 150°C. For working length longer than 22mm, heat Gutta Percha to 170°C to 180°C.
5. Lightly coat coronal half of canal with sealer.
6. Coat instrument with hot gutta percha by placing instrument in tip of Obtura. Extrude G.P. as back out obturator.
7. Coat apical half of gutta percha in sealer.
8. Place instrument to working length or 1 mm short of apex.
9. Rotate instrument clockwise 20,000 RPM.
10. Smoothly remove instrument from canal over a 2-second time period.
11. Take x-ray to verify seal.
12. If seal is short of desired working length, can recoat obturator with gutta percha and reinsert instrument while rotating at 20,000 RMP over a 4-second time period to desired obturation length. Then withdraw over a 2-second period.



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