

## Brasseler USA Endodontic Tip Instructions for Use

### Intended Use

Ultrasonic tips are used by dental professionals for the removal of material from outside or inside of the tooth for endodontic or periodontal applications.

### Ultrasonic Endodontic Instruments

All endodontic instruments can be used at an Intensity Setting of Medium – High. It is recommended that new users of these instruments begin use on low to medium power until they become familiar with the cutting efficiency of these instruments.

**BEST-1D:** Angled 80-degrees at the working end, with a 0.5mm diameter x 3.0mm cutting surface.

**BEST-2D:** Similar to the BEST-1D, with a 0.7mm diameter x 3.0mm cutting surface for larger diameter roots.

**BEST-3D:** A double angled, 75-degree instrument designed for use on the buccal root of the mandibular right molar and mesial buccal of the maxillary left molar. 0.5mm diameter x 3.0mm cutting surface.

**BEST-4D:** A double angled, 110-degree instrument designed for use on the lingual root of the mandibular left molar and distal buccal of the maxillary right molar. 0.5mm diameter x 3.0mm cutting surface.

**BEST-5D:** A mirror image of the BEST-3D, for use on the buccal roots of the mandibular left molar and mesial buccal of the maxillary right molar. 0.5mm diameter x 3.0mm cutting surface.

**BEST-6D:** A mirror image of the BEST-4D, for use on lingual roots of the mandibular right molar and distal buccal of the maxillary left molar. 0.5mm diameter x 3.0mm cutting surface.

**Reprocessing Limitations:** Tips have been tested to withstand 250 reprocessing cycles per ISO 18397 without deterioration in performance or signs of corrosion both internally and externally. The end of life is determined by the wear and damage in use as well as reprocessing cycles. Ultrasonic Tips should be inspected for defects during the cleaning and sterilization process. Damaged or broken tips should no longer be used.

**Disposal:** Dispose of damaged or broken ultrasonic tips in a sharps container.



Brasseler USA's Ultrasonic Tips are designed to function with most ultrasonic scalers that use M3 X 0.6 threading. Refer to your ultrasonic machine owner's manual for further details on the use of these types of devices. Using force to install a tip with improper threading will cause damage to the ultrasonic device. An appropriate ultrasonic tip wrench may assist in securing tips to scalers.

Brasseler USA's Ultrasonic Tips are contra-angled for improved procedural access to both anterior and posterior teeth. The following are guidelines for the various uses of Brasseler Ultrasonic Tips. The operator should be aware that ultrasonic tips with small diameters are subject to breakage at any time. To reduce the incidence of premature breakage or failure, only a very light pressure should be applied by the operator, and the suggested intensity settings should be followed.

### Sterilization Instructions – Ultrasonic Tips

The Ultrasonic Tip should be kept in original packaging in a dry and dust-free location prior to sterilization. Cleaning and sterilization validated in accordance with ISO 17664-1 and ISO 17665-1 standards. Tips are not sold sterile, and should be cleaned and sterilized prior to each use. Proper Personal Protective Equipment (PPE) should be utilized during cleaning and sterilization as well as normal use and handling of these devices.

1. Cleaning – Prior to cleaning and sterilization, tips should be disconnected from any handpiece to which they are connected. Pre-clean using a high-quality, pH neutral, ultrasonic cleaning solution. Follow solution manufacturer’s instructions. Dry thoroughly with clean cloth.
2. Steam Sterilization – For long-term tip storage, place the tips to be sterilized in the tip taxi, then in an autoclave pouch prior to sterilization. The tips do not require an autoclave pouch if they are intended for immediate use and can be placed solely in the tip taxi for sterilization. Sterilize the handpiece according to the following parameters:

### Steam Sterilization Parameters for Tips

Steam Sterilization Parameters for Tips	
Steam Sterilizer Type	Prevacuum
Temperature	132°C
Cycle Time	4 minutes
Maximum Dry Time	30 minutes

The Ultrasonic tip should be stored in a dry and dust free location.

### Non-Surgical Ultrasonic Endodontic Instruments

E15 Intensity Setting – Medium to High



**CAUTION! DO NOT PLACE THE E15 DIRECTLY ON A CERAMIC CROWN OR BRIDGE.**

E16D Intensity Setting – Low to High

E17D – E19D Intensity Setting – Low

E20 – E22 Intensity Setting – Low

Any serious incident that has occurred in relation to the device should be reported to the manufacturer and the competent authority of the Member State in which the user and/or patient is established.

For professional use only. Not available to general public.

Glossary of Symbols: [www.Brasselerusadental.com/resources](http://www.Brasselerusadental.com/resources)