Function and Uses:

KiS Ultrasonic Tips are intended to be used for endodontic root preparation procedures which includes, but not limited to, retro-prep of root ends in order to make space for permanent filling material in the canal.

KiS instruments have been designed to function on most brands of Piezo-Electric type dental ultrasonic scalers that use an M3x0.6 thread. Refer to your ultrasonic machine owner’s manual for further details on the use of these types of devices. The operator should be aware that ultrasonic tips with small diameters are subject to breakage at any time. In order 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.

All KiS instruments incorporate shapes that allow for improvement in procedural access for both anterior and posterior teeth. This is the same design found in virtually all dental instruments as well as ultrasonic tips for scaling and periodontal use. The following are guidelines for the various uses of KiS Instruments.

All KiS 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.

KiS-1: Angled 80 degrees at the working end, with a 0.5mm diameter x 3.0mm cutting surface. Designed as a general purpose tip for anterior and posterior areas.

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

KiS-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.

KiS-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.

KiS-5D: A mirror image of the KiS-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.

KiS-6D: A mirror image of the #4, 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.

KiS-1D2: Angled 80 degrees at the working end, with a 0.5mm diameter x 2.0mm cutting surface. Designed as a general purpose tip for anterior and posterior areas with a cutting surface smaller than the KiS-1.

KiS-1D4: Angled 80 degrees at the working end, with a 0.5mm diameter x 4.0mm cutting surface. Designed as a general purpose tip for anterior and posterior areas with a cutting surface larger than the KiS-1.

KiS-3D2: A double angled, 90 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 2.0mm cutting surface.

KiS-5D2: A double angled, 80 degree instrument designed for use on the buccal roots of the mandibular left molar and mesial buccal of the maxillary right molar. 0.5mm diameter x 2.0mm cutting surface.
KiS ultrasonic tips are not sold sterile and should be cleaned and sterilized prior to each use.

1. Cleaning – Pre-clean using a high-quality, pH neutral, ultrasonic cleaning solution. Follow solution manufacturer’s instructions. Dry thoroughly with a towel and compressed air.

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 tips according to the following parameters:

<table>
<thead>
<tr>
<th>Steam Sterilizer Parameters for Tips</th>
</tr>
</thead>
<tbody>
<tr>
<td>Steam Sterilizer Type</td>
</tr>
<tr>
<td>Temperature</td>
</tr>
<tr>
<td>Cycle Time</td>
</tr>
<tr>
<td>Maximum Dry Time</td>
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</tbody>
</table>

Disclaimer: Obtura Spartan does not assume any responsibility or liability for incorrect diagnosis or failed procedures due to operator error or equipment malfunction. Clinicians who are not familiar with the techniques and uses of this product should attend courses and receive training on the subject prior to use. Warranty: Ultrasonic instruments are covered by a limited 90-day warranty and will be replaced or repaired at our option if returned, shipping prepaid, to the point of purchase. Warranty is void if used incorrectly, or on improper equipment.

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