INSTRUCTIONS FOR USE
ACERDENT dental diamond burs

Manufacturer: Acerdent Ltd.
Churchill House,
137 Brent Street,
London NW4 4DJ
Tel: +44 (0)20 8201 9518
sales@acerdent.com

Device: These instructions relate to all product codes of ACERDENT dental diamond burs.

WARNINGS
- Acerdent diamond dental burs are sold non-sterile and must be sterilized prior to first use and between subsequent uses in accordance with the instructions below.
- Do not apply forces greater than those specified in the instructions section below.
- Do not use Acerdent diamond dental burs as levers and/or at incorrect angulations.

INDICATIONS FOR USE
Acerdent diamond dental burs are intended for:
- Preparation of the cavity (preservative)
- Preparation of the stumps (prosthetic)
- Finishing of the cavity edges and repair work
- Polishing of the repairs

INSTRUCTIONS FOR USE
Sterilization and Reprocessing
- Follow the instructions below prior to first use and between subsequent uses.

Point of use
- Ensure the hand-piece and cooling nozzles are in perfect condition.
- Visually inspect the Acerdent diamond dental bur to check the condition of the diamond cutting edges and concentricity.
- Insert the bur carefully and without excess force into the hand-piece.
- Before use, check that the bur shank locks perfectly with the hand-piece.
- Use Acerdent diamond burs with suitable cooling methods to ensure correct cooling of the treatment site.
- Use aspiration techniques which do not compromise cooling efficiency.
- Bring the tool to the necessary speed (see the “Table of Speeds” below) before approaching the treatment site.
- Use a pressure force between 0.3 – 2 N. Under no circumstances must greater pressures be applied

Disposal at end of useful life
- Acerdent diamond dental burs are intended to be reusable but must be reprocessed and sterilized in accordance with the instructions below prior to first use and between subsequent uses.
- If signs of wear or damage are noted at visual inspection prior to use the bur should be disposed of in an appropriate sharps container complying with BS 7320:1990 “Specification for sharps containers” or in accordance with local policy.

TABLE OF SPEEDS

<table>
<thead>
<tr>
<th>Diameter of the working piece (mm)</th>
<th>Maximum speed (rpm)</th>
<th>Recommended speed range (rpm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.8-1.0</td>
<td>450,000</td>
<td>100,000-220,000</td>
</tr>
<tr>
<td>1.2-1.4</td>
<td>450,000</td>
<td>70,000-220,000</td>
</tr>
<tr>
<td>1.6-1.8</td>
<td>450,000</td>
<td>55,000-160,000</td>
</tr>
<tr>
<td>2.1-2.3</td>
<td>300,000</td>
<td>40,000-120,000</td>
</tr>
<tr>
<td>2.5-2.7</td>
<td>160,000</td>
<td>35,000-110,000</td>
</tr>
<tr>
<td>2.9-3.1</td>
<td>140,000</td>
<td>30,000-95,000</td>
</tr>
<tr>
<td>3.3-4.0</td>
<td>120,000</td>
<td>25,000-75,000</td>
</tr>
<tr>
<td>4.2-6.0</td>
<td>95,000</td>
<td>15,000-60,000</td>
</tr>
</tbody>
</table>

ADVICE AND RECOMMENDATIONS ON HYGIENE
- Acerdent diamond dental burs are sold non-sterile and must be sterilized prior to first use and between subsequent uses in accordance with these instructions.
- The burs must be disinfected, cleaned and sterilized according to proven medical protocols
- Note: Acerdent diamond dental burs do not contain any medicinal substances or derivatives of human blood.

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