

INSTRUCTIONS FOR USE

ACERDENT dental diamond burs

Manufacturer: Acerdent Ltd.
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Device: These instructions relate to all product codes of **ACERDENT dental diamond burs**.

WARNINGS	
	<ul style="list-style-type: none">• 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: <ul style="list-style-type: none">• 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	<ul style="list-style-type: none">• Follow the instructions below prior to first use and between subsequent uses..
Point of use	<ul style="list-style-type: none">• 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	<ul style="list-style-type: none">• 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		
Diameter of the working piece (mm)	Maximum speed (rpm)	Recommended speed range (rpm)
0.8-1.0	450,000	100,000-220,000
1.2-1.4	450,000	70,000-220,000
1.6-1.8	450,000	55,000-160,000
2.1-2.3	300,000	40,000-120,000
2.5-2.7	160,000	35,000-110,000
2.9-3.1	140,000	30,000-95,000
3.3-4.0	120,000	25,000-75,000
4.2-5.0	95,000	15,000-60,000

ADVICE AND RECOMMENDATIONS ON HYGIENE	
	<ul style="list-style-type: none">• 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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