

INSTRUCTIONS FOR USE DIAMIR dental diamond burs

Field of use

- Preparation of the cavity (preservative)
- Preparation of the stumps (prosthetic)
- Finishing of the cavity edges and repair work
- Polishing of the repairs

Indications and instructions for use

To get the best from DIAMIR instruments, the instructions listed herewith should be followed carefully:

- Use suitable cooling methods to guarantee correct cooling of the parts subject to treatment.
- Use aspiration techniques which do not compromise cooling of the parts involved in the treatment.
- Use only hand pieces in perfect condition, as well as cooling nozzles in perfect operation.
- Use only tools which are in perfect condition, not only in terms of the diamond edge but also as regards concentricity.
- Insert the instruments very carefully and without forcing.
- Before using, check that the tool shank locks perfectly with the hand piece.
- Bring the tool to the necessary speed before approaching the part to be treated.
- Use a pressure force between 0.3 – 2 N (approximately 30 – 200 g). Under no circumstance must greater pressures be applied.
- Avoid using the tools as levers and/or at incorrect angulations.
- Respect the speeds shown in the attached table.

Additional instructions for Sterile – Single use only instruments

- Check that the package has not been damaged and the expiration date.
- Single use only. Do not reuse.

Advice and Recommendations on Hygiene

Before using on the patient, make sure that the tools are disinfected, cleaned and sterilised. Obviously this must be repeated before each use.

The tools must be disinfected, cleaned and sterilised according to proven medical protocols.

The above mentioned phases can be omitted for Sterile tools, because they are Sterile.

Nevertheless it is pointed out that the Sterile – Single use only products do not have to be reused after their first use.

Table of Speeds

Diameter of the working piece (ISO)	Maximum speed rpm	Recommended speed
008-010	450,000	100,000 - 220,000
012-014	450,000	70,000 - 220,000
016-018	450,000	55,000 - 160,000
021-023	300,000	40,000 - 120,000
025-027	160,000	35,000 - 110,000
029-031	140,000	30,000 - 95,000
033-040	120,000	25,000 - 75,000
042-050	95,000	15,000 - 60,000

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