

General Information for use and Safety

YETI
Dental
GmbH

Zircon – Grinding wheels “excellence line”

Trade name:	Zirconium abrasive (for article numbers see appendix)
Application of the substance:	Abrasives, cutters and drills for porcelain
Type of application:	in conjunction with electrical appliances with max.50.000 rpm
company:	YETI Dentalprodukte GmbH
Street:	Industriestraße 3
Postal code:	D-78234 Engen
E-Mail:	sdb@yeti-dental.com
Information of substance/preparation:	Tel. 0 77 33 / 94 10 0 FAX 0 77 33 / 94 10 22
Emergency information:	Tel. 0 77 33 / 94 10 0 (Mo. – Do. 8h – 16h30, Fr. 8h – 14h)

The instruments are intended for the dental technical field and may only be used by dental technicians or suitably qualified or trained experts who are familiar with the application of the products due to their training and experience.

General instructions for use

Use only technically perfect drives. Carefully clamp the instruments as far as possible and bring them to the maximum permissible speed before starting. Lever and avoid misuse. Blunt, bent or damaged instruments should be sorted out immediately and no longer used. Improper application results in increased risk, greater wear, and poorer results. Avoid contact with water or other liquid. Always wear tight-fitting safety goggles for all grinding, milling and drilling work.

Maximum speed reference table

FG-Instruments (ISO 314 Ø values)

005-016	max. 450.000 min
018-021	max. 300.000 min
023-031	max. 160.000 min
033-055	max. 120.000 min

Hand and angle instruments (ISO 1047204 Øvalues)

003-023	max. 50.000 min
025-040	max. 40.000 min
045-060	max. 30.000 min
060-070	max. 25.000 min
070-250	max. 25.000 min
300-380	max. 20.000 min
450	max. 15.000 min

Polishing instruments (ISO Øvalues)

all	max. 5.000 bis 10.000 min
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Note:

The selection of the working speed depends on the material being machined, the drive and the pressing force and is at the discretion of the user. Observe the manufacturer's instructions. The optimum speed for all instruments, depending on the material to be machined, is generally 40-50% of the maximum specification.

Important notes for sintered diamonds

Before using for the first time, clean the sintered diamonds with a wet cleaning stone, as required by the contamination. Binding abrasion can lead to discoloration when processing ceramics.

Due to the hardness of the bond and the diamond concentration in the grinder, this discoloration is largely minimized. Finally, we recommend a cleaning of the surface by blasting or briefly overlapping with silicon carbide grinders (green, ceramic bound).

Important note for diamond discs

Minimum speed: all ISO diameters min: 10,000 min
Maximum speed: ISO diameter 300-380 max. 20,000 min
ISO diameter 450 max. 15,000 min

Work with low pressure = 1N

Wear safety glasses

Other Information

The information contained herein is based on our knowledge and experience at the time indicated. No guarantee is given for faultlessness, reliability and completeness. The user must convince himself that all statements are appropriate and complete. The user is obliged to read and observe all safety instructions. He assumes sole responsibility for complying with the necessary and prescribed measures.

Article No.

440-0001
440-0200
440-0300
440-0400
440-0500
440-0600
440-0700