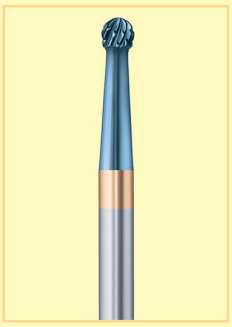
Cut: KT

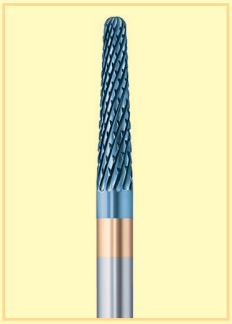
KT cut: Especially for processing of titanium.
At 850 °C titanium reacts with the oxygen in the ambient air and forms a surface with undesired material characteristics (e.g. discolourations, insufficient polishing capacity, embrittlement, etc.). Due to the special diagonal cut the tools with the KT cut offer a larger swarf-cutting volume so that the swarf comes off the tool more easily and the friction is reduced. This special cut avoids overheating of the titanium caused by friction heat. Consequently, this cut ensures efficient and careful removal of material and produces a smooth surface.



Material	Diatit
REF	**D001 KT 14**
ISO-No.	509 104 001190 014
REF	**D001 KT 23**
ISO-No.	509 104 001190 023

The different shapes of the titanium burs by bredent guarantee efficient and reliable processing of titanium frames.

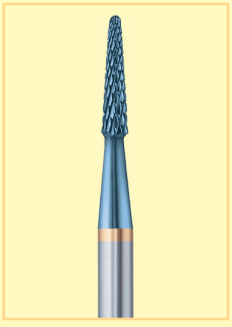
Application field	Plaster	Denture resin	Veneer resin	Precious metal/pd-based	Titanium	Ceramic
Working speed rpm					10-15,000	



Material	Diatit
REF	**D194 KT 23**
ISO-No.	509 104 194190 023
REF	**D194 KT 40**
ISO-No.	509 104 194190 040
REF	**D194 KT 50**
ISO-No.	509 104 194190 050

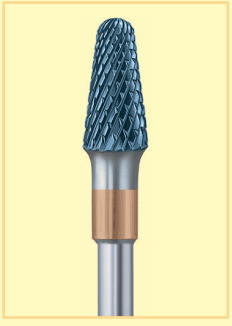
D194 KT 23: For controlled processing of areas difficult to access.

Application field	Plaster	Denture resin	Veneer resin	Precious metal/pd-based	Titanium	Ceramic
Working speed rpm					size 23+40: 20-25,000 size 50: 20,000	



Material	Diatit
REF	**D198 KT 23**
ISO-No.	509 104 198190 023

Application field	Plaster	Denture resin	Veneer resin	Precious metal/pd-based	Titanium	Ceramic
Working speed rpm					25-30,000	



Material	Diatit
REF	**D263 KT 40**
ISO-No.	509 104 263190 040

Application field	Plaster	Denture resin	Veneer resin	Precious metal/pd-based	Titanium	Ceramic
Working speed rpm					20-25,000	