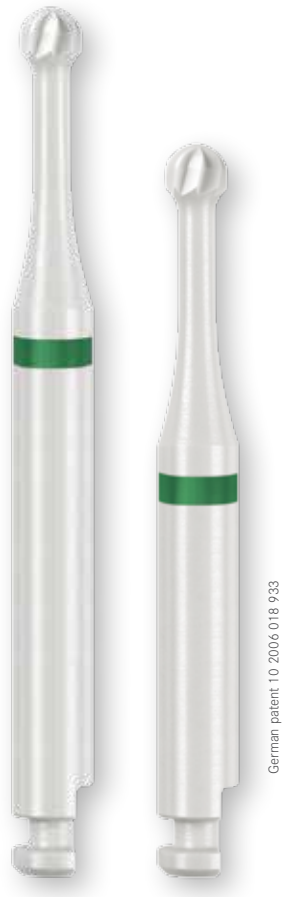
Excavation | **K1SM**



German patent 10 2006 018 933
European patent EP 1 849 429

High-performance ceramics for tactile excavating.

Thanks to its exceptional properties, ceramic has proved its worth in a vast range of applications for many decades. In true Komet style, we were the first manufacturer to use this material for producing rotary instruments. The overwhelming success of the CeraLine prompted us to make use of the advantages of this special, high performance material composed of zircon and aluminium dioxide ceramic partly stabilized by yttrium in the excavating sector as well.

Studies carried out by the University of Münster and the Queen Mary University of London confirm the outstanding quality of the CeraBur K1SM. The study conducted by the University of Münster furnished proof of the excellent performance of the CeraBur K1SM.*
The study prepared by the Queen Mary University of London showed that the service life of the K1SM is three times as long as that of a round tungsten carbide bur.**

The CeraBur permits controlled, tactile excavation. The user can feel it when he leaves the soft, carious dentin.

* Private lecturer Dr. Till Dammaschke, Dr. Aleksandra Vesnić, Prof. Dr. Edgar Schäfer, Westfälische Wilhelms-Universität, Poliklinik für Zahnerhaltung, Münster;
In vitro comparison of ceramic burs and conventional tungsten carbide burs in dentin caries excavation;
Quintessence International, Volume 39, Issue 6 (June 2008), Pages 495 - 499

** Hr. Nawar Al-Zebari, Queen Mary University of London; Cutting efficiency and longevity of novel ceramic and conventional dental burs; 07/2013

Indications:

1. Tactile excavation with the K1SM.204.014.

2. The long shank permits easy access to deep cavities (K1SM.205.023).

Contra-indications

Any treatments that require the instruments to be used as a lever.

1

2

Recommendations for use:

- Use at a speed of $n_{opt.}$ 1.500 rpm with spray coolant.
- Maximum speed $n_{max.}$ 40.000 rpm.
- Use nylon brushes only for cleaning the instruments. Metal brushes may leave black friction marks on the instruments.

Shank 204:

● **K1SM.**204.008

● **K1SM.**204.010

● **K1SM.**204.012

● **K1SM.**204.014

● **K1SM.**204.016

● **K1SM.**204.018

● **K1SM.**204.021

● **K1SM.**204.023

● **K1SM.**204.027

Shank 205:

● **K1SM.**205.010

● **K1SM.**205.012

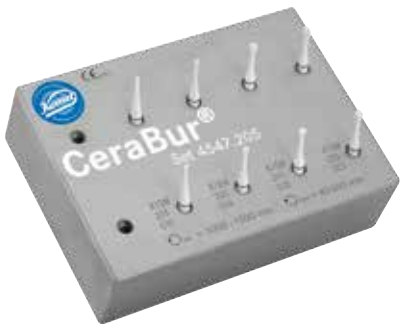
● **K1SM.**205.014

● **K1SM.**205.016

● **K1SM.**205.018

● **K1SM.**205.021

● **K1SM.**205.023



Set 4547.204
Contains two instruments per size
010, 014, 018 und 023

Also available in shank 205
(Set 4547.205)

Hint:
We also recommend our self-limiting PolyBur® for excavation in the vicinity of the pulp. The blades of the PolyBur blunt automatically on hard, healthy dentin.

P1.204.014/018/023

Utility model, patents
DE 10 2008 010 049 · EP 2 260 787*
*pending

Hint:
The minimally invasive potential and caries removal effectiveness of the CeraBur K1SM may be increased by using it in combination with Carisolv Gel Technology. A minimally invasive approach saves time, reduces possible risks and facilitates a more direct approach to the endpoint in complex caries situations.*

New
CARISOLV®
System

More information and references:
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Rubicon Life Science International Kundenservice on
+46 31 77 80 68 20 or customer@rubiconlifescience.se
*www.carisolvsystem.com