



Tungsten Carbide Cutters | **UM**



High material reduction and smooth surfaces on metal alloys with only one cutter.

The special Komet UM cutting unites three different types of tothing on just one instrument and therefore meets requirements which up to now appeared to be contradictory. The UM cutters offer a range of advantages over tungsten carbide instruments with conventional tothing:

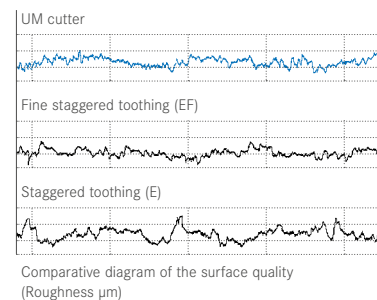
Controlled working by varying the contact pressure

Using UM tungsten carbide cutters, the technician himself decides whether he wishes to place more emphasis on higher material reduction or on smoother surfaces.

High contact pressure = higher material reduction

Low contact pressure = better surface quality

Laboratory tests confirm: UM cutters produce a better surface than cutters with conventional staggered tothing (E-tothing) and the surface quality achieved is equal to that produced with fine (EF) tothing.



Smooth operation with reduced vibration

The completely new blade configuration also contributes to a smoother operation without strain to the operator's wrist.

Economic use

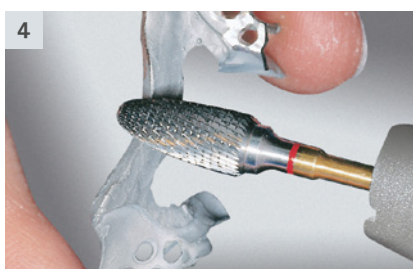
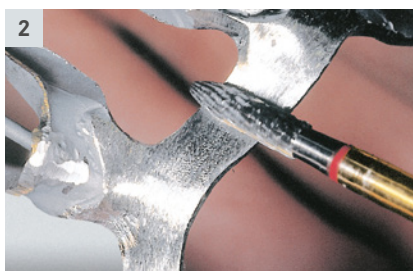
The use of a particularly fine, hot-isostatically pressed tungsten carbide guarantees sharp, unmarred blades and a long service life.

Unique design

Due to its red ring and golden shank, the UM cutter is clearly distinguishable from cutters with conventional tothing.

Application:

1. Reworking of the border line of the subgingival bar/retention lattice with the H77UM.104.023
2. Trimming/smoothing the subgingival bar with instrument H139UM.104.023
3. Shaping of the surface of the mandibular model cast construction, lingual view, with instrument H79UM.104.040
4. Precise working and definition of the margins of a mandibular model cast construction using the H251UM.104.060



Recommendations for use:

- To be used in the laboratory handpiece
High contact pressure = higher material reduction
Low contact pressure = better surface quality
- Recommended speed:
Precious metal $\varnothing_{opt.}$ 25.000 rpm
Non-precious metal and model cast $\varnothing_{opt.}$ 15.000 rpm



● H89UM.104.040



● H351UM.104.040



● H351UM.104.060



● H251UM.104.040



● H251UM.104.060



● H250UM.104.040



● H257RUM.104.023



● H261UM.104.023



● H138UM.104.023



● H79UM.104.040



● H129UM.104.023



● H139UM.104.023



● H77UM.104.023



● H73UM.104.014



● H73UM.104.023