



# Tungsten Carbide cutter | XE

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## Efficient pre-milling of hard-to-cut alloys with the milling device.

Due to ever-increasing financial pressure, dental laboratories are more and more often forced to use hard-to-cut non-precious metal alloys or titanium alloys. The treatment of such materials obviously places great demands on the quality of the tools used. Frequently, large amounts of material have to be removed, in particular when it comes to difficult constructions such as implant supported supraconstructions. Compared to work on gold alloys, the treatment takes a lot longer and the tools have to be exchanged in shorter intervals.

Komet has now developed the new XE tothing which is specially suited for treatment of such hard-to-cut alloys. This tothing is a further improved version of the existing cross-cut tothings for use in the milling device.

The distinct advantages of the new XE tothing include noticeably better substance removal and a smoother operation. The surface achieved helps to save time during subsequent smoothing with the S-tothing. In addition, the durability of this tothing is unsurpassed even on hard-to-cut alloys, which allows effective work in the laboratory even on a tight budget.

## Application:

1. Fast shaping with the new XE toothing.  
Shown: instrument **H364RXE.103.023**.

2. The new toothing is available as a parallel cutter and with a taper of 1° or 2°, e.g. **H356RXE.103.023** (2°).

3. Subsequent smoothing with parallel cutter **H364R.103.023** with S-toothing ...

4. ... or with a tapered cutter, in this case **H356RS.103.023** (2°).

5. The polishers **9440 C/M/F** in size 060 can be dressed according to individual requirements and achieve a perfect mirror-like shine, even on nonprecious metal.

6. The short and compact design of the **H347RXE.103.035** is particularly suited for trimming abutments.



## Recommendations for use:

- Cutters with XE toothing are suitable for pre-cutting and shaping of nonprecious metal alloys and alloys without precious metal content (incl. titanium) with the milling device.

Best results are achieved under the following conditions:

- Work in counter direction
- Use of milling oil and wax
- Speed:  $\varnothing_{opt}$  6.000 rpm

## Additional recommendations:

- Smoothing with cutters with S-toothing at reduced speed.
- In combination with the dressing set 4446, the polishers 9440C.103/123.060, 9440M.103/120.060 and 9440F.103/123.060 are suitable for polishing primary crowns with a milling device.



- **H364KRXE.103.060** (0°) Shank 2,35 mm
- **H364KRXE.123.060** (0°) Shank 3,0 mm



- **H364RXE.103.023** (0°) Shank 2,35 mm
- **H364RXE.123.023** (0°) Shank 3,0 mm



- **H356RXE.103.029** (1°) Shank 2,35 mm
- **H356RXE.123.029** (1°) Shank 3,0 mm



- **H356RXE.103.023** (2°) Shank 2,35 mm
- **H356RXE.123.023** (2°) Shank 3,0 mm



- **H347RXE.103.035** (2°) Shank 2,35 mm
- **H347RXE.123.035** (2°) Shank 3,0 mm