



Crown Cutter | H4MC



H4MC – the crown cutter for metal and ceramics.

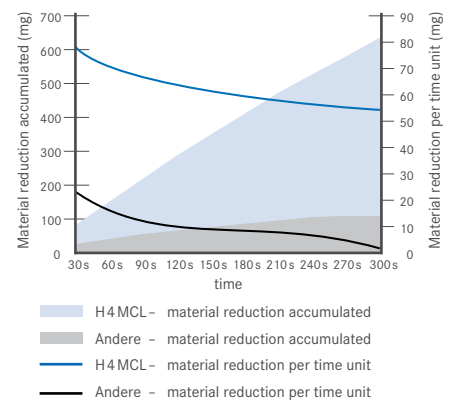
Designed for cutting all commonly used metal alloys, titanium and veneers made of low fusion ceramics.

Product characteristics and advantages

Due to its special D-toothing, the H4MC facilitates quick and efficient cutting of crowns and bridges made of conventional metal alloys. Large chip spaces allow quick chip removal and prevent clogging, especially when cutting soft alloys with gold content. The H4MC is equally suited for ceramic veneers.

A further distinctive feature is the tiptransversing blade permitting easy penetration into the material to be cut. The pyramid-shaped blade design prevents blade breakouts and guarantees increased stability and high resistance to breakage, thus ensuring a smooth operation with little vibration.

The new H4MC – considerably higher material reduction and increased service life



Compared to all other crown cutters on the market, incl. copies made by the competition, the H4MC (working part comes in various lengths, see reverse: H4MC - H4MCXXL) features a consistently higher material reduction rate. These cutters prove particularly efficient in case of hard-to-cut non-precious metal alloys such as Dentitan. The instruments can be used in the micro-motor as well as in the turbine.

Indications:

The H4MC can be identified by its white and black rings (white for ceramics, black for metal).

Crowns should be cut in several steps, i.e. the procedure is carried out in intervals in order to cut only a small area each time.

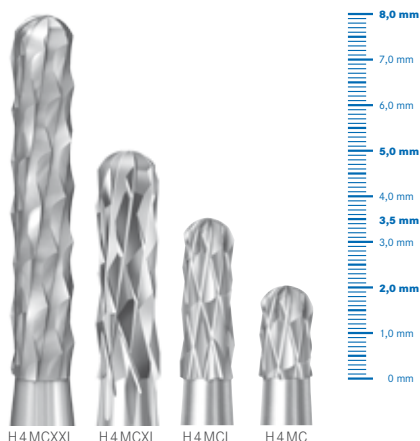
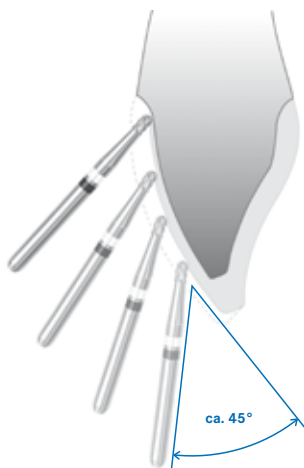
Ceramic veneers should be cut with the Tungsten Carbide crown cutter H4MCL.314.012 (fig. 1).







Metal crowns are to be cut with crown cutter H4MCL.314.012 (fig. 2).



Recommendations for use:

- Optimal speed: (160.000 rpm in the micromotor).
- In case of materials that tend to “jump”, (e.g. certain non-precious metal alloys), we recommend the use in the turbine, applying low contact pressure.
- In order to make full use of the capacity of the instrument’s working part during the cutting phase, we recommend to apply the instrument at an angle of approx. 45° to the crown.
- Always make sure that sufficient coolant is applied (at least 50 ml/min.).
- Do not exceed a maximum contact pressure of 2N.



-  ● H4MC.314.010
-  ● H4MC.314.012
-  ● H4MCL.314.010
-  ● H4MCL.314.012
-  ● H4MCXL.314.014
-  ● H4MCXXL.314.014

These crown cutters are not suited for cutting all-ceramic crowns and bridge frames made of extremely hard ceramics, such as zirconiumoxide ceramics. For this, we recommend the crown cutter 4ZR.314.012 specially developed for zirconium oxide.

-  ● 4ZR.314.012

