



Amalgam remover | H4A



H4A - Sharper equals faster equals safer.

Whether due to age, damage, caries or for cosmetic reasons - the removal of amalgam fillings is a routine job at any dental practice. In addition to a successful restoration while preserving the natural tooth as much as possible, protecting the patient and practice team from potentially toxic mercury vapors is an absolute priority when it comes to removing amalgam fillings.

Less mercury vapor. More safety.

Komet's new amalgam remover H4A.

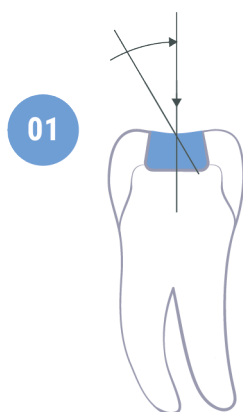
While amalgam could already be removed quickly and safely with the Komet's previous amalgam remover H32, Komet is now introducing its successor H4A which makes treatments particularly safe, simple and efficient for users: Specially developed in Lemgo for this very application, this instrument significantly reduces the emission of mercury vapors by 40%* compared to its predecessor.

The new amalgam remover owes its significantly higher efficiency to the greater sharpness and the optimized geometry of its blades: the new toothing enables easy, precise penetration into the filling material and a high substance removal rate while demonstrably reducing the formation of mercury vapors.

Shorter treatment times and a gentle procedure

The new amalgam remover in the renowned and proven Komet quality can noticeably shorten treatment times thanks to its capability of removing old fillings in very little time. The difference may be small when looking at each individual treatment, but the times saved adds up to an economically relevant difference at the end of many a day in the practice.

The sharp blade has a further advantage for patients: the remaining natural tooth substance can be optimally protected thanks to the outstanding sharpness which equals precision. All in all, Komet's H4A is a state-of-the-art amalgam remover that further improves an already good instrument thanks to its new and improved geometry.



●● H4A.314.012

Recommendations of use:

- The H4A is used by drilling into the filling in axial direction or in an inclined position (1).
- Then several longitudinal and transversal separation grooves are cut (2), depending on the size of the filling. By dividing the filling into segments, fragments of the filling might come apart which can then be removed from the cavity. Filling residues are removed with suitable hand instruments or with the H4A.
- In order to achieve an optimum ratio between heat generation, mercury vapour formation and substance removal rate, it is recommended to use the H4A in the red contra-angle, at an optimal speed of $\text{r}_{\text{opt.}} 160,000 \text{ rpm}$. The H4A can also be used in the turbine.
- To reduce friction heat, apply low contact pressure only ($<2\text{N}$) and use plenty of water cooling (at least 50 ml/min.)

Advantages of the amalgam remover:

- **Safety:**
40 %* less mercury vapor - the new innovative blade geometry ensures greater safety
- **Simplicity:**
Sharp and precise - for pleasantly relaxed treatments.
- **Efficiency:**
Fast amalgam removal - shorter treatment times, greater economy.

*Source: Komet Dental TestLab, mechanical cutting test 2025. The test is based on the comparison with the predecessor H32.