US Patent 2007/0166664 pending

NE/NEF

Contouring of non-precious metal alloys is made quick and easy

Non-precious metal alloys and alloys free of precious metals are widely used in dentistry all over the world. These specific types of alloys are used due to their cost effectiveness and excellent mechanical properties.
However, prosthetics made from these metals require the lab technician to perform extensive recontouring versus that of precious alloys.

Traditional lab cutters cannot withstand the hardness of these materials and dull quickly, causing operator frustration, fatigue and time. Komet USA now features a series of lab cutters which minimize the time required for recontouring non-precious metals.

The unique blade configuration of these cutters feature:

- Maximum cutting efficiency
- Optimal service life
- Minimizes cross-metal contamination
- Minimal effort
- Produces smooth, easy to polish surfaces
- Easily recognized by color coded bands
- ↻ opt. 20,000 rpm

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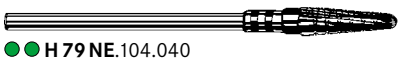
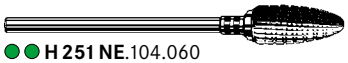


●● **H 79 NE**.104.040

●● **H 138 NE**.104.023

●● **H 139 NE**.104.023

●● **H 129 NE**.104.023



●● **H 251 NE**.104.060

●● **H 77 NE**.104.023

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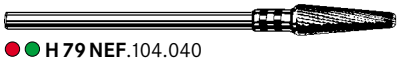

●● **H 79 NEF**.104.040

●● **H 138 NEF**.104.023

●● **H 139 NEF**.104.023

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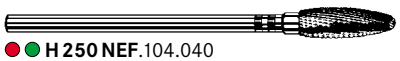
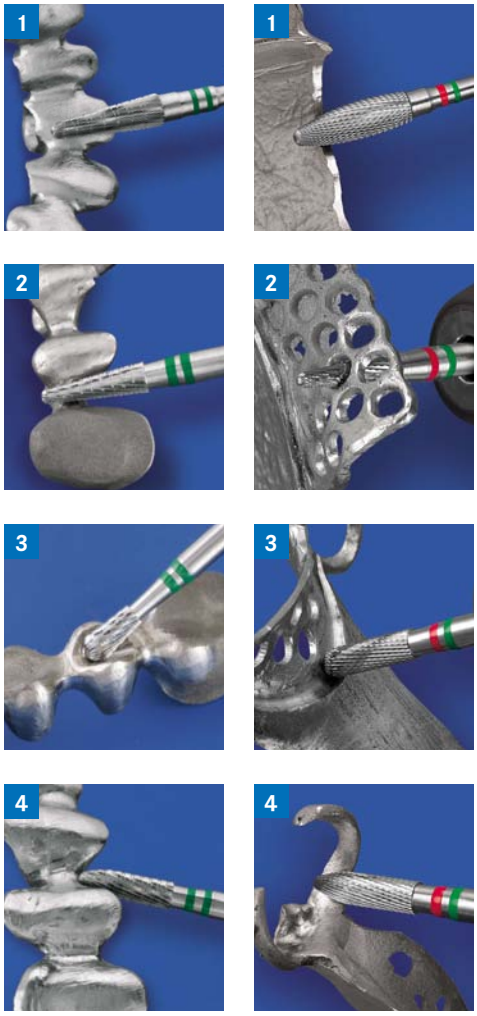


●● **H 250 NEF**.104.040

NE Blade Design

The distinctive appearance of these patented cutters, made by Komet, is the first indication of their uniqueness. The blade configuration of the cutters offers fast, effortless results with non-precious metal alloys. Substance removal such as large sprues, metal crowns and cast metal framework, is performed with less effort. When used properly, these cutters will maintain a longer lasting service life than traditional lab carbides designed for non-precious metals.

1. Gross reduction with the H79NE.104.040.
2. Contouring of the interproximals with the H138NE.104.023.
3. Adjustment of the occlusal surface with the H77NE.104.023.
4. Initial facial contouring with the H139NE.104.023.



Recommendations for use:

- Optimum speed: $n_{opt.}$ 20,000 rpm

NEF

These Komet USA cutters are manufactured with a multitude of ergonomically designed, nick-free cutting blades which produce an ideal surface finish on non-precious metal alloys. Minimal polishing is necessary. The unique blade design creates less vibration resulting in less operator fatigue. Despite their aggressive cutting capabilities, chrome cobalt model cast frames cut with these cutters display a highly smooth surface. Due to the large number of simultaneously rotating blades, tiny metal fragments, created by the cutting process, are reduced. This minimizes the risk of cross-metal contamination, as well as the chance of metal fragments becoming imbedded in the operator's skin.

1. Refining the edge of the lingual bar with the H250NEF.104.040.
2. Opening the retention grids with the H138NEF.104.023.
3. Finishing the retention grids with the H129NEF.104.023.
4. Smoothing the facial surface of the clamp with the H139NEF.104.023.

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