

Machining

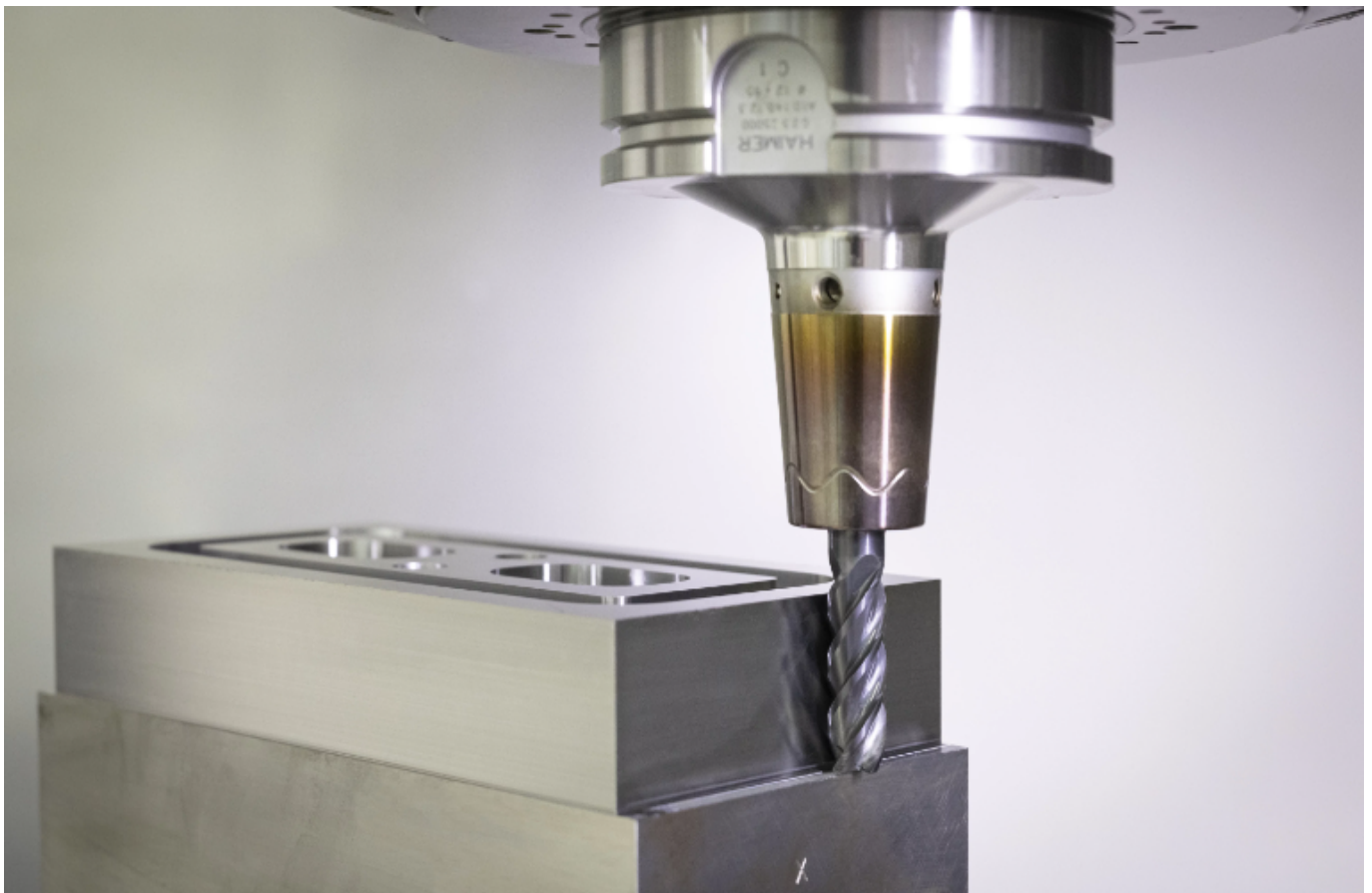
The All-Encompassing HAIMER End Mill: Now Available in Short and Long Versions

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Haimer GmbH, the European market leader in the field of tool holding technology and system partner around the machine tool, has hit the bullseye with its universal solid carbide end mills of the HAIMER MILL family. For a long time, manufacturers, especially users in the areas of mechanical engineering, medical and contract machining, have been asking for a milling tool that they can use universally in steel and stainless steel, but also in cast iron, copper and even hardened steel for various operations. The HAIMER MILL tools, which are available as end mills according to DIN 6527 with sharp edge, corner radius or chamfer – showed substantial results in most of the cases. The same cutting edge geometries are available as modular tools for the HAIMER interchangeable head system, Duo-Lock.

Characteristics for HAIMER MILL end mills are the unequal cutting edge, the center cutting design and a neck for higher cutting depth. HAIMER makes quality their top priority: The end mills are supplied with an h6 shank tolerance and fine-balanced. The run-out accuracy is $<10 \mu\text{m}$.

To offer users even greater benefits, the family-run, medium-sized company from Igenhausen near Augsburg, Germany, has expanded the HAIMER MILL range even further. A short version with a cutting edge length of $1.25 \times D$ is suitable for all applications that require less cutting depths. It perfectly uses the cutting edges at low ap values and achieves high stability. Designed without neck clearance and reduced shank length, the short HAIMER MILL version shows an unbeatable price-performance ratio like the standard version.



The HAIMER MILL solid carbide end mill is ideal for roughing and finishing, drilling, profiling, ramping and slotting in nearly all materials. Now a short and a long version complement the product range and provide extra advantages.

In addition to the short version, a long version is also available from now on — for all engineers who want to completely machine higher work piece walls. With the new 3 x D HAIMER MILL, consistent surfaces of high quality can be achieved for such requirements. The tool is also suitable for dynamic milling operations. This modern milling strategy uses the entire cutting edge length and achieves a very high metal removal rate.

Product Manager Stefan Echle reveals another advantage. "Despite its increased overall length, the HAIMER MILL can ramp and drill as aggressively as the standard version, thanks to its unique face geometry."

The short version of the HAIMER MILL is available in stock from 2 to 6 mm ($\frac{3}{32}$ to $\frac{3}{8}$ in) diameter in 1 mm ($\frac{1}{16}$ in) increments and from 8 to 20 mm ($\frac{1}{2}$ to $\frac{3}{4}$ in) diameter in 2 mm ($\frac{1}{8}$ in) increments. The long version of the HAIMER MILL is available in stock from 6 to 20 mm diameter in 2 mm increments. For the inch offerings, the HAIMER MILL is available from $\frac{1}{4}$ to $\frac{3}{8}$ in diameter in $\frac{1}{16}$ in increments and from $\frac{1}{2}$ to $\frac{3}{4}$ in diameter in $\frac{1}{8}$ in increments. Both metric and inch are optionally available with the integrated HAIMER patented Safe-Lock pull-out protection. Stefan Echle adds, "If customers require a different corner design or other geometric changes, we can of course produce this as a special version."

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