

Press release

## Lustrous surfaces in no time

**Solid carbide finish milling cutters of the GARANT MasterSteel product family offer more productivity and low surface roughness values for steel, cast iron and stainless steel**

Munich, 28st June 2017 – [Hoffmann Group](#) has extended their GARANT MasterSteel product family with a high-performance finish milling cutter. The new GARANT MasterSteel solid carbide HPC finish milling cutter produces high quality surfaces in a very short time on components in steel, cast iron and stainless steels (inox). With seven cutting edges the tool generates lower roughness values and 17 percent more feed rate than a classic six-cutter tool. The solid carbide milling tool is available in 2, 3, 4 and 5xD for general purpose applications in steel, cast iron and stainless steels. These special characteristics also make it the ideal tool for finish machining of components produced by Additive Manufacturing (3D printing) or Near-Net-Shape processes.

The GARANT MasterSteel solid carbide HPC finish milling cutter has been optimised specially for finish machining of workpieces. Its coated and precision ground cutting edges give it the necessary free-cutting capabilities, whilst the improved flute profile ensures reliable clearance of chips. To prevent flexural breakages or forced displacement during the production process, the milling body has been designed with a large core diameter and is made of a substrate with a specific cobalt content. 45-degree chamfers at the corners of the inserts, together with selective honing of the peripheral cutting edges, gives additional working life and an even pattern of wear. The unequal end face cutter pitch promotes stability and ensures smooth cutting action.

With the GARANT MasterSteel solid carbide HPC finish milling cutter, Hoffmann Group has completed its GARANT MasterSteel product family for high-performance milling of steels. This product series now includes tools for the

following fields of applications: Side milling, slotting, ramping, helix milling, roughing, finishing and drilling.

The GARANT MasterSteel solid carbide HPC finish milling cutter is available in versions with cutter lengths 2xD and 3xD in diameters from 4 millimetres. The 4xD version is available from 6 millimetres diameter and 5xD is available from 8 millimetres diameter. The tool can be ordered immediately via the Hoffmann Group [eShop](#) and from the 2017/2018 catalogue effective 1st August 2017.

Further information is available:

- Brochure: “The peak of efficiency. New GARANT machining and clamping technology”.
- Video: “Discover the power of seven cutting edges”



**Image caption:** The new GARANT MasterSteel solid carbide HPC finish milling cutter produces high quality surfaces in a very short time on components of steel, cast iron and stainless steels (inox).



**Image caption:** With seven cutting edges, the new GARANT MasterSteel solid carbide HPC finish milling cutter generates lower roughness values and 17 percent more feed rate compared to classic six-cutter tools.

### **The Hoffmann Group**

As Europe's leading system partner for quality tools, the [Hoffmann Group](#) combines commercial expertise with both manufacturing and service competence. To more than 135,000 customers this combination guarantees reliability in supply, quality and productivity, in the tooling sector and also in the workstations and storage sector. Optimum and reliable advice, from individual needs analysis through to efficient use of products, is assured at all times. Alongside tools for machining, clamping, measuring, grinding and cutting, the portfolio also comprises hand tools, protective work-wear, workstations and storage and workshop accessories. Customers include major listed companies as well as medium-sized and small companies in more than 50 countries. In 2016, the Hoffmann Group generated a worldwide turnover of more than one billion euros. Including [GARANT](#), its own premium brand, the Hoffmann Group offers 75,000 quality tools from the world's leading manufacturers. With comprehensive customer service and 99 percent delivery quality certified by the TÜV, the tooling specialist with its head office in Munich is a reliable and efficient partner for its customers.

See [www.hoffmann-group.com](http://www.hoffmann-group.com) for further information

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