

Press release

EMO 2017: GARANT MasterSteel FEED now even longer

Hoffmann Group presents 3-edged high-performance solid carbide drill with the world's largest L/D ratio and the matching NC spotting drill

Hanover/Munich, 18 September 2017 – The [Hoffmann Group](#), Europe's leading system partner for quality tools, has expanded its GARANT MasterSteel solid carbide drill product series. In the summer of 2016, the Hoffmann Group presented the new MasterSteel SPEED and FEED high-performance solid carbide drills. This product family has now been expanded to include the variants 8xD and 12xD. The GARANT MasterSteel FEED is now available with the world's largest L/D ratio of 12xD for three-edged solid carbide drills and comes with a matching three-edged NC spotting drill. This means more tools for professional machining of steel, cast iron and stainless steels which generate with three cutters up to 50 per cent more feed per rotation and offer long tool life. GARANT MasterSteel FEED can be found at EMO 2017 in Hall 3, Stand D14.

For three-edged drills, chip removal is a particular challenge. Compared to the classic two-edged unit, the flutes are small. The Hoffmann Group has nevertheless succeeded in designing the GARANT MasterSteel FEED with 8xD and 12xD – without having to make promises with the excellent feed rates. This is ensured by a special cutting edge geometry with stable cutting edges and a large clearance in the centre. A special taper with a specially shaped tip angle reduces the cutting pressure and creates an optimal chip flow as well as controlled chip breaking.

The Hoffmann Group has also developed a matching NC spotting drill for GARANT MasterSteel FEED in order to be able to carry out deep drilling precisely. Here too the Hoffmann Group relies on the excellent self-centring capability of the three-blade unit, where the forces spread over three instead of just two blades. This allows for targeted spot drilling even on critical and uneven

surfaces. The point geometry is optimally matched to the geometry of the following MasterSteel FEED drill with a point angle of 155 degrees.

GARANT MasterSteel FEED and SPEED have been optimised to suit a range of production environments. GARANT MasterSteel FEED solid carbide drills develop their highest performance in machining centres with high spindle speed and high torque. Whereas the GARANT MasterSteel SPEED has been designed for machines with a low spindle output but a high speed as well as for thin-walled components. This means the Hoffmann Group can offer its customers the exact tool they require to suit machine, fixing, component and application. The tools are universal and achieve outstanding results, even in stainless steels and castings. Consistent substrate quality and state-of-the-art coating technologies ensure evenly controlled wear, long service life and process reliability.

The new GARANT MasterSteel FEED with 8xD and 12xD are now available for a diameter of 4 to 20 millimetres. The tools can be ordered from the Hoffmann Group [E-Shop](#) and from the new 2017/2018 catalogue.



Image caption: The new GARANT MasterSteel FEED solid carbide drill with the world's largest L/D ratio and three cutters, generates up to 50 percent more feed per rotation and offers particularly long tool life.

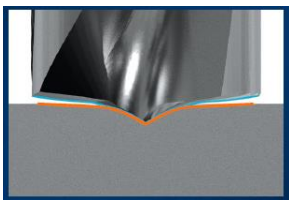


Image caption: The GARANT MasterSteel NC spotting drill is the first of its kind with three cutting edges. Its point geometry and its 155-degree point angle are optimally matched to those of the following MasterSteel FEED solid carbide drill.

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, personal protective equipment, 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, headquartered in Munich, is a reliable and efficient partner for its customers.

See www.hoffmann-group.com for further information

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