**EMO 2017**

**Hall 5, Stand A54**

**DD solid carbide drills**

**DD solid carbide tools for steel and stainless steel drilling applications**

HORN will introduce a range of solid carbide drills at EMO in Hannover. Two geometry variants with diameters from 4.0 mm (0.1575") to 18.0 mm (0.7087") are available.

The tools feature the excellent standard of precision that customers have come to expect from HORN. They are produced with particular attention paid to the surface quality, the precision of the ground geometry and the cutting edge preparation. Together with the various coating options, these aspects ensure that customers using the tools will achieve excellent, consistent results.

DDP type tools for 3 x D, 5 x D and 8 x D hole depths have been designed for a universal range of applications. The materials they are most suited to are unalloyed steels, cast steel and alloyed steels with a tensile strength of up to 1,000 N/mm2. All the tools feature internal cooling, although a variant without internal cooling is also available. Solid carbide drills with a conical ground surface are designed with double lands from   
5 x D, which results in a higher standard of hole quality.

The DDM type's geometry variant with four ground facets is intended for machining stainless and acid-resistant steels, titanium alloys and nickel alloys. In order to achieve excellent results during use, the drills are designed with internal cooling and are available for hole depths of 3 x D and 5 x D. In combination with new coatings, this geometry ensures a longer tool life.

The entire range of tools available with both geometry variants can be obtained with taper shanks in HA and HE designs, conforming to DIN 6535. The outstanding performance of these tools is sure to impress and users also benefit from the flexible service and technical support that HORN provides.

*1,721 characters incl. spaces*

**Image caption:**

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**Image 1:** New in the range: Solid carbide drills in various designs.

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**Image 2:** Solid carbide boring tool DDP with internal coolant delivery.

**Image credits:** Paul Horn GmbH, Nico Sauermann

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