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DELTAtec 90N Tang: Innovation in the field of shoulder machining
Boehlerit presents a new helical cutter with improved design for optimum chip evacuation

Kapfenberg / Styria, 19/09/2024

Special arrangement of the cutting edges for improved surface quality and smooth running

Boehlerit is expanding its portfolio of helical cutters to include new slip-on versions to complement the DELTAtec 90N Tang programme. The DELTAtec 90N Tang 90° corner milling cutters are predestined for the medium machining of steel and cast iron materials and impress with a light cut and extremely stable cutting properties. The 4-edged indexable inserts guarantee high productivity and low tool costs.

Boehlerit is introducing a new type of helical milling cutter that offers optimum chip evacuation, improved surface quality and smooth running thanks to its special design. The innovative milling cutter is perfectly suited for efficient shoulder machining and represents an economical alternative to existing helical tools. The roller end mill from Boehlerit has a newly conceived helical design that enables improved chip evacuation. This ensures a smooth machining process. The tried-and-tested uneven pitch of the tool helps to improve running smoothness and reduce vibrations. Available in slip-on versions with a diameter of 40 to 63 mm, the helical end mill from Boehlerit offers maximum flexibility for different applications.

With the special arrangement and overlapping of the indexable inserts over the helical rise, particular attention was paid to improved surface quality and smooth running. As a result, outstanding results are achieved even with larger cutting widths. *"Our helical cutter sets new standards in shoulder machining and offers our customers an economical alternative to the popular tools already available in the DELTAtec 90N Tang portfolio,"* says Patrick Schwaiger, Product Manager Milling at Boehlerit.

Press release

The company

As a carbide pioneer, the Boehlerit Group is one of the world's leading manufacturers of wear protection solutions and cutting tools for machining metal and composite materials. With cutting materials, semi-finished products, precision tools and tool systems for milling, turning, grooving and forming, the family-owned company has been ensuring process reliability and efficiency worldwide since 1932. Around 800 employees offer customers comprehensive expertise in all aspects of metallurgy in order to realise process-optimised production technologies, the highest quality and a head start in tool productivity. With three production sites in Europe and Asia, international subsidiaries and a network of sales partners, the carbide and tool specialist has a global presence. Together with its two legally independent sister companies Leitz and Bilz, the Boehlerit Group forms the globally active Brucklacher Group, in which over 4,000 employees generate an annual turnover of around 450 million euros.

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Pictures

Abb. 1: The tangential milling system DELTatec 90N Tang extended by the system size 09.

