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**Boehlerit tools for longitudinal and weld seam milling guarantee maximum precision and tool life as well as top-level performance**

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All over the world, energy production from wind power is on the rise. Specially developed milling tool systems for longitudinal and round seams are used in the manufacturing of offshore wind towers and are also an essential element in the preparation of welding seams. Styrian carbide and tool specialist Boehlerit now offers these systems as customer-specific solutions.

In the process, Boehlerit has to overcome a number of challenges, some of which are related to the enormous dimension of the workpieces (diameters of up to 13 metres, sheet thickness of up to 150 mm), others to the tool life of the milling tools, which come with diameters from 950 to 1,100 mm, depending on the machine type and manufacturer. For the optimal preparation of the welding seam, it must be milled in several stages, down to a depth of up to four fifths of the material thickness. The lengths to be machined are therefore enormous - but constantly changing the tools would impact productivity, and ultimately also cost-effectiveness. Boehlerit offers some powerful advantages in this respect: The indexable inserts are specially designed for the requested geometries and provide top-level performance and tool life, even with materials that are difficult to machine. The essential features of the longitudinal and weld seam milling tools are optimal functionality, stable design, large milling depths and low maintenance requirements. In addition, high feed speeds are also possible. Depending on customer requirements, Boehlerit offers specific cartridge solutions as well as a range of flank angles and radii.

## Press release

### The company

Boehlerit, headquartered in the Austrian town of Kapfenberg, sets global standards with carbides and tools for the processing of metal, wood, plastics and composites. With cutting materials, semi-finished products, precision tools and tool systems for milling, turning, drilling and forming, Boehlerit ensures process safety and efficiency on a global scale. The company's extensive product portfolio includes highly specialised tools for the machining of crankshafts as well as for the mining industry, for bar peeling, tube and sheet metal processing and heavy-duty machining. The Boehlerit product range also features carbides for construction components and wear protection. When it comes to coating technology, Boehlerit holds a global monopoly, ranging from the first-ever nano-CVD bonding layer to the hardest diamond layer worldwide. With its many years' experience in metallurgy, coating technology and state-of-the-art press technology, Boehlerit is a highly competent development partner for toolmakers.

### Press/media contact

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Pictures

Abb. 1: Longitudinal- and circular weld seam milling tool from Boehlerit

