

Jongen UNI-MILL VHM 441W R with radius

Jongen has presented the new Jongen UNI-MILL high-performance milling cutter VHM 441W R Ti08 for processing stainless steel at the METAV 2018 in Duesseldorf.

As a product line extension to the already successfully positioned in the market VHM 441W Ti08, Jongen has introduced a further solid carbide cutter which, in respect to cutting material and geometry, is perfectly adapted to machining operations of stainless materials and special alloys. In contrast to the existing product, this one is designed as a radius milling cutter.

The radius milling cutters are equally suitable for roughing and finishing. The tools are also suitable for plunge milling due to cutting edges applied over the center. Chip removal flow is very good due to optimized chip spaces.

The micro- and macro geometry is specially adapted to process hard-to-machine materials. The radius ensures the high edge stability, the dynamic angle of twist and the unequal cutting pitch produce a high running smoothness and an excellent surface quality.

Longest tool lives are granted by the likewise specially adapted micro geometry.



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The cutting material Ti08 consists of finest grain carbide, Iso-range K20, which is characterized by a high degree of toughness with very high wear resistance. The TiALN / TiALSiN coating is characterized by a very fine layer-structure and a high oxidation stability. This combination of carbide and coating is ideally suited for high-performance machining and can be used for both wet and dry processing, as well as for machining with minimal lubrication.

The coupling is designed to DIN 6535-HB (Weldon) and ensures stable clamping of the tool.

The solid carbide cutters are available in a diameter range from 3 to 20mm. The edge radii range between 0,3 and 4,0mm.

Starting with a diameter of 5mm, Jongen regrinds the tools at original machines and with original programs, which offers a high cost-benefit factor.

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