

Shell milling range extended

Avantec Zerspantechnik, the first company to develop a shell end mill with modular discs, has widened the usage of its Multiring products for different diameters and bottom rings. These more versatile tools are now able to process diameters from 32 mm to 125 mm and for each of these diameters offer a varied range of bottom rings in different designs. The modular disc design of the Multiring EM/FM90 enables the adjustment of projection and cut lengths according to the desired process. The



special combination of the cutting rings guarantees great machining precision and highest run out accuracy also for longer overhangs. Cut lengths of 3xD to 4xD can be performed without any problems, in materials ranging from cast iron and titanium to aluminium and stainless. End users have found an increase in cutting data by an astounding 500–800%, resulting in some 10–15 times improvement in tool life.

The soft and free cut in Avantec's products is made possible by the use of Enduro inserts with high positive rake angle. The left and right helix positioning of the inserts in the tool alternately creates a positive and negative effect, thus minimising the axial and compressive forces.

This shell end milling tool protects the spindle, head and bearing. It saves considerably more power than other tools of its kind and can therefore guarantee a far longer milling performance.

In conclusion, with all the advantages already mentioned, the



use of the Multiring EM/FM90 increases the productivity of each milling process.

The Avantec milling range is available exclusively in the UK from Stocdon Ltd, Cheltenham.

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