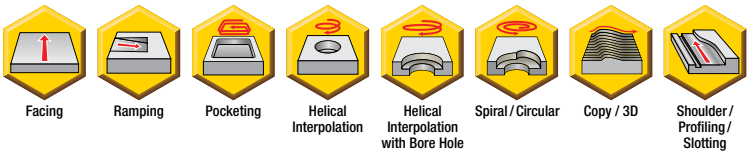


STELLRAM



ALUMINUM HIGH SPEED MILLING CUTTERS

Stellram's **5702VZD14** cutter is designed, manufactured and tested in accordance with EN ISO 15641:2001 to ensure maximum stability in high speed applications. The tool is capable of 43,000 RPM**.**

This cutter is specially designed for machining pockets and profiles on Aluminium and Aluminium alloys. This cutter design also performs contouring operations (finishing) in composite materials and titanium alloys, due to the fully ground 701 geometry**.**

Stellram's **5720VZ16** cutters are our latest design for high metal removal in Aluminium applications. This tool is designed manufactured and tested in accordance with EN ISO 15641:2001 for maximum stability in high speed applications. The tools are capable of 51,000 RPM depending on the cutter diameter.

This new patented design allows each body to hold all inserts with different radii without losing any gauge height of the cutter length.

Features and Benefits of the 5702VZD and 5720VZ:

All Stellram profile and pocketing cutters feature through-tool coolant allowing better chip evacuation and higher feed rates.

Cylindrical Shank and special HSK Integral Shanks on any 5702VZD14 and 5720VZ16 are designed and balanced to G6.3 at 30,000 rpm for diameters 50mm and below. Diameters larger then 50mm are balanced to G6.3 at 24,000 rpm.

The pockets are reinforced to allow for heavy feed, safe ramping and more line contact when utilising a larger radius insert for more stability during machining. These features increase tool life and productivity.

These unique ZDCX14…FR-701 and ZDET16…FR-721 insert designs allow machining in thin-walled applications due to very low cutting pressure.

For the 5702VZD: 5 different radii are available. For the 5720VZ: 12 different radii are available, each with the same cutting depth capacity of 16mm.

Standard radii are available from facet to 4,00mm, for the 5702VZD14 and facet to 6,00mm for the 5720VZ16.

HSK specials are available upon request with specific shank and reach lengths

57_VZ.

5702VZD14:
Maximum a_p =12mm
Diameter Range = 20mm only

5720VZ16:
Maximum a_p = 16mm
Diameter Range = 25mm - 80mm

Note: Shell mill and modular head cutters are not balanced. It is recommended to balance the cutter and adapter as an assembly for high speed machining at 8,000 rpm or above. See detailed notes on the following product pages.