

SuperaC

Slimline • Standard

SuperaC chucks for precision machining

- TIR within 5 microns at 4 times the cutting tool diameter
- Improved vibration dampening by using a patented silicone compound as the pressuring medium
- Up to 800Nm transmittable torque, depending on the diameter
- Improved surface finish of the workpiece
- Higher workpiece accuracy
- Up to 50% longer tool life
- Increased productivity
- Patented, leak-proof clamping system
- Repeatability of 3 microns TIR over 50,000 cycles
- Available on all popular taper shanks, including HSK



- Excellent vibration damping due to silicone pressurising medium, tool chatter and vibration are reduced, tool life and accuracy are increased
- The integral clamping sleeve is hardened and tempered to reduce chuck wear and give a longer service life
- Extremely high clamping forces, 250Nm at 20mm diameter
- Up to a speed of 15,000 rpm, SuperaC high-precision chucks can be used without dynamic balancing. At speeds above 15,000 and up to 25,000 rpm, additional dynamic balancing may be necessary

Slimline high-precision chuck

Quality toolholder for high-speed machining

- Slimline design and shorter reference dimensions; HSK tapers are also to standardised dimensions
- Defined piston stroke - against stop - guarantees specified clamping forces
- Two symmetrical piston bores for the best repeatability and TIR. One screw for actuation
- Cutting performance is far less susceptible to heat than with oil-filled high-precision chucks
- Up to and including 20mm diameter, tools with Weldon or Whistle-notch shank can be clamped without an intermediate sleeve, ensuring precision and run out accuracy

