

Solid carbide tools

Extended product range

F5



HPC2 W4420 - with different variable rake angles

Increasing helix angle

The continuously increasing helix angle of 17° or 22° to 40° or 42°, unites the advantages of a small and a large helix angle.

Low cutting forces and quicker chip evacuation and formation make for low cutting noise and reduced vibration ensuring good surface quality with high cutting parameters.

Variable core diameter

Due to the gradually increasing helix angle, the core diameter has been adapted to optimise chip evacuation. The HPC2 W4420 end mill thus ensures consistent metal removal rates thanks to the deeper helical flutes.

To guarantee sufficient stability of the HPC2 W4420, however, the core diameter was reduced variably and implemented with only two flutes.

Irregular pitch

The irregular pitch ensures smooth cutting action even with substantial depths of cut, making for low cutting noise and low vibration.

"Excellent stability combined with optimal chip evacuation."

