

Solid carbide tools

Extended product range

F3

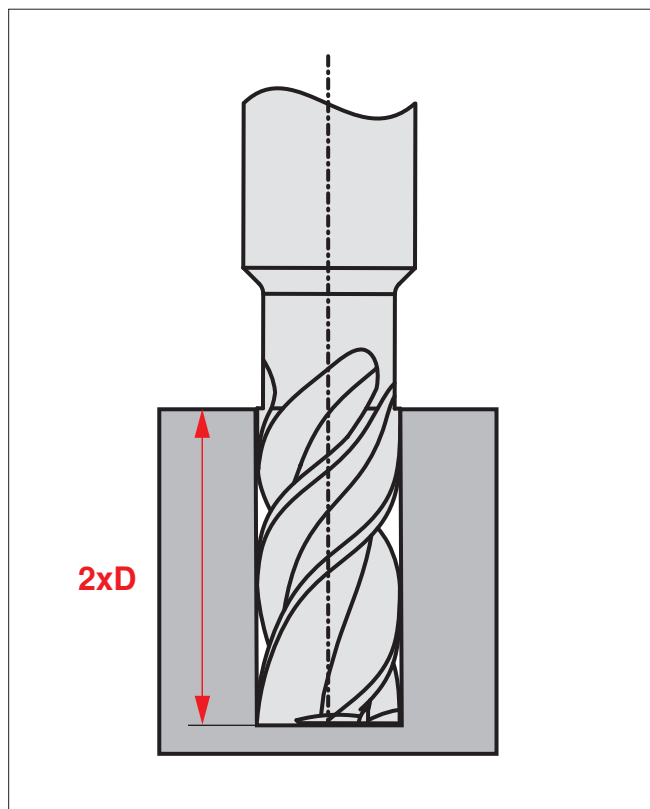


High performance x 2

A new generation of end mills

HPC2 W4420 - for universal application:

HPC milling cutters reach higher metal removal rates than conventional end mills. The development of our new HPC2 W4420 end mill has set new standards in the field of HPC machining. Maximum metal removal rates are achieved thanks to high feed rates and at large depths of cut. The geometry of the tool was specially designed for the requirements of this type of machining. Excellent cutting action together with reduced vibration during the milling operation ensures good surface quality.



Your advantages

- ▲ Excellent chip evacuation also when full-slot milling
- ▲ Excellent cutting action due to very positive rake angle
- ▲ Milling operation with reduced vibration and large depths of cut for improved process security
- ▲ Low stress on the spindle – protection of the machine
- ▲ Long tool life and cutting parameters thanks to grade SCPP225 and special micro-geometries
- ▲ Ground neck for large depths of cut




Your benefits

- ▲ Maximum productivity due to high metal removal rates
- ▲ Longer tool life with the same metal removal rates for reduced tooling costs
- ▲ Secure production processes through increased process security

HPC2 W4420 end mills

We offer the new solid carbide cutting tool with 4 cutting edges in diameters from 3 mm to 20 mm for common steel materials, stainless steels, cast iron and non-ferrous metals. The geometries specially created for this milling cutter combine the

advantages of small and large rake angles as well as variable core diameters for deep chip pockets in one tool.

HPC2-SF		Ø ranges		Through-coolant	Tolerances	Helix angle	Rake angle	Grade
	W4420	3 – 20	4		$d_1 = f8 / d_A = h6$	$\lambda_s = \begin{matrix} 22-42^\circ \\ 17-40^\circ \end{matrix}$	$\gamma_s = 14^\circ$	SCPP225