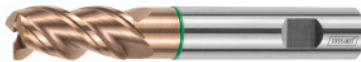




Pro UNI solid carbide milling cutter HPC, TiSiN, Ø e8 DC: 5mm



Order data

Order number	202432 5
GTIN	4062406776992
Item class	12Y

Description

Version:

For **roughing at very high feed rates** with smooth cutting action. **Innovative geometry and high-performance coating** for outstanding production results and tool life in a variety of materials. Unequal spacing gives **high intrinsic stability** and smooth cutting action.

Technical description

Tolerance nominal Ø	e8
Shank Ø D _s	6 mm
Recess Ø D ₁	4.8 mm
Feed f _z for side milling in INOX > 900 N/mm ²	0.03 mm
Direction of infeed	horizontal, oblique and vertical
Flute length L _c	13 mm
Corner chamfer angle	45 degrees
Feed f _z for side milling in steel < 900 N/mm ²	0.04 mm
Overall length L	57 mm
Feed f _z for slot milling in steel < 900 N/mm ²	0.03 mm
Helix angle	42 degrees
Corner chamfer width at 45°	0.1 mm

Feed f_z for slot milling in stainless steel $> 900 \text{ N/mm}^2$	0.025 mm
Overhang length L_1 incl. recess	19 mm
No. of teeth Z	3
Cutting edge $\varnothing D_c$	5 mm
Shank	DIN 6535 HB to h6
Series	Pro Uni
Coating	TiSiN
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	N
Helix angle characteristic	unequal spacing
Spacing of the cutters	unequal spacing
Cutting width a_e for milling operation	Full slot cutting depth $1 \times D$
Cutting width a_e for milling operation	Full slot cutting depth $1 \times D$
Through-coolant	no
Machining strategy	HPC
Colour ring	green
Type of product	End / face mill

User data

	Suitability	V_c	ISO code
Aluminium (short chipping)	Suitable only under restricted conditions		
Steel $< 500 \text{ N/mm}^2$	suitable	240 m/min	P
Steel $< 750 \text{ N/mm}^2$	suitable	220 m/min	P
Steel $< 900 \text{ N/mm}^2$	suitable	180 m/min	P
Steel $< 1100 \text{ N/mm}^2$	suitable	170 m/min	P
Steel $< 1400 \text{ N/mm}^2$	suitable		
INOX $< 900 \text{ N/mm}^2$	suitable	90 m/min	M

INOX > 900 N/mm ²	suitable	80 m/min	M
Ti > 850 N/mm ²	suitable only under restricted conditions		
GG(G)	suitable		
Uni	suitable		
wet maximum	suitable		
wet minimum	Suitable only under restricted conditions		
dry	suitable		
Air	suitable		