

Solid carbide milling cutter HPC, ZOX, Ø f8 DC: 12mm



Order data

Order number	202251 12
GTIN	4045197538604
Item class	11X

Description

Version:

Sturdy roughing end mill without knuckle profile.

With strong core, special chip breaker recesses and large polished flutes.

Application:

For roughing milling with high demands on the component surface.

Note:

NEW GENERATION AVAILABLE!

Recommended successor product is No. 202017.

Technical description

Cutting edge \emptyset D _c	12 mm	
No. of teeth Z	3	
Shank form	HA	
Overhang length L ₁ incl. recess	73 mm	
Feed f _z for side milling in short-chipping aluminium	0.09 mm	
Corner chamfer width at 45°	0.2 mm	
Recess Ø D ₁	11 mm	
Feed f_z for slot milling in short-chipping aluminium	0.07 mm	
Shank Ø D _s	12 mm	
Overall length L	120 mm	
Flute length L _c	19 mm	



Direction of infeed	horizontal, oblique and vertical	
Shank	DIN 6535 HA to h6	
erance nominal Ø f8		
Balance quality with shank	G 2.5 with HA	
Helix angle	45 degrees	
Corner chamfer angle	45 degrees	
Coating	ZOX	
Tool material	Solid carbide	
Standard	Manufacturer's standard	
Туре	W	
Helix angle characteristic	unequal spacing	
Spacing of the cutters	unequal spacing	
Cutting width a _e for milling operation	0.3×D for side milling	
Cutting width a _e for milling operation	Full slot cutting depth 1×D	
Through-coolant	no	
Machining strategy	HPC	
Colour ring	yellow	
Type of product End / face m		

User data

	Suitability	V _c	ISO code
Aluminium	suitable only under restricted conditions	250 m/min	N
Aluminium (short chipping)	suitable	240 m/min	N
Alu > 10% Si	suitable	120 m/min	N
CuZn	suitable	120 m/min	N
wet maximum	suitable		
wet minimum	suitable only under restricted conditions		

dry	suitable only under restricted conditions	
Air	suitable only under	
Sarvicas	restricted conditions	

Services

Shank grinding Type HB 129100 HB