

Garant
Solid carbide milling cutter MTC, uncoated, Ø h6 DC: 12mm

Order data

Order number	202256 12
GTIN	4045197860033
Item class	11X

Description
Version:

Eccentric relief ground, additionally **polish ground** in the flutes for **outstanding chip evacuation** in long-chipping aluminium workpieces.

Application:

Especially for **MTC (Multi Task Cutting)** use on the new generation of turning / milling centres.

Technical description

Feed f_z for side milling in short-chipping aluminium	0.07 mm
Flute length L_c	26 mm
Shank form	HA
Tolerance nominal \varnothing	h6
Cutting edge $\varnothing D_c$	12 mm
Shank $\varnothing D_s$	12 mm
Overall length L	93 mm
Overhang length L_1 incl. recess	46 mm
Shank	DIN 6535 HA to h6
Feed f_z for slot milling in short-chipping aluminium	0.05 mm
Balance quality with shank	G 2.5 with HA
Direction of infeed	horizontal, oblique and vertical
No. of teeth Z	3

Corner chamfer width at 45°	0.2 mm
Recess Ø D ₁	11 mm
Helix angle	45 degrees
Corner chamfer angle	45 degrees
Coating	uncoated
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	W
Helix angle characteristic	unequal spacing
Cutting width a _e for milling operation	Full slot cutting depth 1×D
Cutting width a _e for milling operation	0.5×D for side milling
Through-coolant	no
Machining strategy	MTC
Colour ring	yellow
Type of product	End / face mill

User data

	Suitability	V _c	ISO code
Aluminium	Suitable	190 m/min	N
Aluminium (short chipping)	suitable	150 m/min	N
Alu > 10% Si	suitable	120 m/min	N
PMMA acrylic	suitable	180 m/min	N
PE-HD	Suitable	130 m/min	N
PA 66	Suitable	150 m/min	N
PEEK	suitable	130 m/min	N
PF 31	Suitable	110 m/min	N
Honeycomb sandwich	suitable only under restricted conditions	180 m/min	N

Cu	Suitable	120 m/min	N
CuZn	Suitable	150 m/min	N
wet maximum	suitable		
wet minimum	suitable		
dry	suitable only under restricted conditions		
Air	suitable only under restricted conditions		

Services

Shank grinding Type HB	129100 HB
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