

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

Order data

Order number	202257 12
GTIN	4045197860088
Item class	11X

Description
Version:

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

Without 45° corner chamfer.

Application:

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

Note:

NEW GENERATION AVAILABLE!

Recommended successor product is No. 202012.

Technical description

Shank form	HA
Overhang length L_1 incl. recess	46 mm
Shank Ø D_s	12 mm
Recess Ø D_1	11 mm
Flute length L_c	26 mm
Balance quality with shank	G 2.5 with HA
Tolerance nominal Ø	h6
Shank	DIN 6535 HA to h6
No. of teeth Z	3
Feed f_z for slot milling in short-chipping aluminium	0.05 mm

Cutting edge $\varnothing D_c$	12 mm
Direction of infeed	horizontal, oblique and vertical
Feed f_z for side milling in short-chipping aluminium	0.07 mm
Overall length L	93 mm
Helix angle	45 degrees
Corner chamfer angle	90 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 $1 \times D$
Cutting width a_e for milling operation	$0.5 \times D$ 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