Garant

Solid carbide milling cutter MTC, uncoated, ⌀ DC: 16Mmm

Order data

Order number	202243 16M
GTIN	4045197654540
Item class	11X

Description

Version:
Eccentric relief ground, additionally **polish ground** in the flutes for **outstanding chip evacuation** in long-chipping aluminium workpieces.
Lengths similar to **DIN 6527 long.**
Application:
Especially for **MTC (Multi Task Cutting)** use on the new generation of turning / milling centres.

Technical description

Recess ⌀ D_1	15 mm
Corner chamfer width at 45°	0.2 mm
Shank form	HB
Feed f_z for side milling in short-chipping aluminium	0.09 mm
Overhang length L_1 incl. recess	58 mm
No. of teeth Z	3
Feed f_z for slot milling in short-chipping aluminium	0.065 mm
Cutting edge ⌀ D_C	16 mm
Shank ⌀ D_s	16 mm
Overall length L	108 mm
Flute length L_c	48 mm
Direction of infeed	horizontal, oblique and vertical

Shank	DIN 6535 HB to h6
Tolerance nominal ∅	h6
Balance quality with shank	G 2.5 with HB
Helix angle	45 degrees
Corner chamfer angle	45 degrees
Coating	uncoated
Tool material	Solid carbide
Standard	DIN 6527
Type	W
Helix angle characteristic	unequal spacing
Cutting width a_e for milling operation	0.5×D for side milling
Cutting width a_e for milling operation	Full slot cutting depth 1×D
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		