

Garant
Solid carbide milling cutter MTC, uncoated, Ø DC: 4mm

Order data

Order number	202243 4
GTIN	4045197537454
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.

Tolerance nominal Ø: h6

No. of teeth Z: 3

Helix angle: 45°

Direction of infeed: horizontal, oblique and vertical

Shank: DIN 6535 HA to h6

Balance quality with shank: G 2.5 with HA

No. of teeth Z: 3

Flute length L_c : 11 mm

Overhang length L_1 incl. recess: 17 mm

Recess Ø D_1 : 3.7 mm

Overall length L: 57 mm

Shank Ø D_s : 6 mm

Technical description

Corner chamfer width at 45°	0.1 mm
Recess Ø D_1	3.7 mm
No. of teeth Z	3
Shank form	HA

Overhang length L_1 incl. recess	17 mm
Cutting edge $\varnothing D_c$	4 mm
Feed f_z for side milling in short-chipping aluminium	0.02 mm
Feed f_z for slot milling in short-chipping aluminium	0.015 mm
Shank $\varnothing D_s$	6 mm
Overall length L	57 mm
Flute length L_c	11 mm
Direction of infeed	horizontal, oblique and vertical
Shank	DIN 6535 HA to h6
Tolerance nominal \varnothing	h6
Balance quality with shank	G 2.5 with HA
Helix angle	45°
Corner chamfer angle	45°
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		

Services

Shank recess Type FRST	209900 FRST
Shank grinding Type HB	129100 HB