

## Garant

### Solid carbide milling cutter MTC, DLC, Ø DC: 5mm



#### Order data

Order number	202272 5
GTIN	4045197861092
Item class	11X

#### Description

##### Version:

With the latest generation of **DLC coating sp<sup>2</sup>**.

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

**Without** 45° corner chamfer.

Lengths similar to **DIN 6527 long**.

Size 1–2 – tolerance: Size nominal Ø  $D_c = e8$ .

Size 2.5–20M – tolerance: Size nominal Ø  $D_c = h6$ .

##### 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

No. of teeth Z: 3

Flute length  $L_c$ : 13 mm

Overhang length  $L_1$  incl. recess: 19 mm

Recess Ø  $D_1$ : 4.7 mm

Overall length L: 57 mm

Shank Ø  $D_s$ : 6 mm

#### Technical description

Shank form	HA
Feed $f_z$ for side milling in short-chipping aluminium	0.02 mm

Cutting edge $\varnothing D_c$	5 mm
Tolerance nominal $\varnothing$	h6
Shank	DIN 6535 HA to h6
Shank $\varnothing D_s$	6 mm
Recess $\varnothing D_1$	4.7 mm
Direction of infeed	horizontal, oblique and vertical
Overall length L	57 mm
No. of teeth Z	3
Flute length $L_c$	13 mm
Feed $f_z$ for slot milling in short-chipping aluminium	0.015 mm
Overhang length $L_1$ incl. recess	19 mm
Helix angle	45°
Corner chamfer angle	90°
Coating	DLC
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	480 m/min	N

Aluminium (short chipping)	suitable	440 m/min	N
Alu > 10% Si	suitable	400 m/min	N
PMMA acrylic	suitable	200 m/min	N
PE-HD	Suitable	160 m/min	N
PA 66	Suitable	200 m/min	N
PEEK	suitable	150 m/min	N
PF 31	Suitable	130 m/min	N
PVDF GF20	suitable	180 m/min	N
POM GF25	Suitable	160 m/min	N
PA 66 GF30	suitable	150 m/min	N
PEEK GF30	suitable	130 m/min	N
PTFE CF25	suitable	160 m/min	N
Honeycomb sandwich	suitable only under restricted conditions	300 m/min	N
Cu	Suitable	160 m/min	N
CuZn	Suitable	200 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