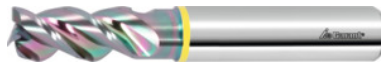


**Garant**
**Solid carbide milling cutter MTC, DLC, Ø DC: 12M mm**

**Order data**

Order number	202270 12M
GTIN	4045197763952
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.

Lengths similar to **DIN 6527 long**.

**Application:**

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

**Note:**

**NEW GENERATION AVAILABLE!**

**Recommended successor products are No. 202004 and No. 202010.**

Tolerance nominal Ø: h6

No. of teeth Z: 3

Helix angle: 45 degrees

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<sub>c</sub>: 36 mm

Overhang length L<sub>1</sub> incl. recess: 46 mm

Recess Ø D<sub>1</sub>: 11 mm

Overall length L: 93 mm

Shank Ø D<sub>s</sub>: 12 mm

**Technical description**

No. of teeth Z	3
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Corner chamfer width at 45°	0.2 mm
Tolerance nominal Ø	h6
Feed $f_z$ for side milling in short-chipping aluminium	0.07 mm
Overall length L	93 mm
Shank form	HA
Overhang length $L_1$ incl. recess	46 mm
Direction of infeed	horizontal, oblique and vertical
Shank Ø $D_s$	12 mm
Shank	DIN 6535 HA to h6
Balance quality with shank	G 2.5 with HA
Feed $f_z$ for slot milling in short-chipping aluminium	0.05 mm
Recess Ø $D_1$	11 mm
Cutting edge Ø $D_c$	12 mm
Flute length $L_c$	36 mm
Helix angle	45 degrees
Corner chamfer angle	45 degrees
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 mill

## Services

Shank clamping flats for shrink-fit chucks, with retainer  
function Shank Ø tool 12 mm

SZ2025 12

Shank grinding Type HB

129100 HB