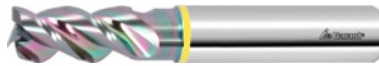


## Garant

### Solid carbide milling cutter with internal coolant supply MTC, DLC, Ø DC: 12 mm



#### Order data

Order number	202278 12
GTIN	4045197655172
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 product is No. 202006.**

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>: 26 mm

Overhang length L<sub>1</sub> incl. recess: 36 mm

Recess Ø D<sub>1</sub>: 11 mm

Overall length L: 83 mm

Shank Ø D<sub>s</sub>: 12 mm

#### Technical description

Corner chamfer width at 45°	0.2 mm
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Overhang length $L_1$ incl. recess	36 mm
Feed $f_z$ for slot milling in short-chipping aluminium	0.05 mm
Cutting edge $\varnothing D_c$	12 mm
Shank form	HA
Feed $f_z$ for side milling in short-chipping aluminium	0.07 mm
Recess $\varnothing D_1$	11 mm
No. of teeth $Z$	3
Shank $\varnothing D_s$	12 mm
Overall length $L$	83 mm
Flute length $L_c$	26 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 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	yes
Machining strategy	MTC
Colour ring	yellow
Type of product	End mill

## Services

Shank recess Type FRST	209900 FRST
Shank clamping flats for shrink-fit chucks, with retainer function Shank Ø tool 12 mm	SZ2025 12
Shank grinding Type HB	129100 HB