

## Garant

### Solid carbide milling cutter MTC, uncoated, Ø DC: 12M mm



#### Order data

Order number	202244 12M
GTIN	4045197654793
Item class	11X

#### Description

##### Version:

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

**Without** 45° corner chamfer.

**Without** 45° corner chamfer.

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.

##### Note:

**NEW GENERATION AVAILABLE! Recommended successor product is No. 202002.**

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  $L_c$ : 36 mm

Overhang length  $L_1$  incl. recess: 46 mm

Recess Ø  $D_1$ : 11 mm

Overall length L: 93 mm

Shank Ø  $D_s$ : 12 mm

#### Technical description

Recess Ø $D_1$	11 mm
----------------	-------

Overhang length $L_1$ incl. recess	46 mm
Feed $f_z$ for slot milling in short-chipping aluminium	0.05 mm
Feed $f_z$ for side milling in short-chipping aluminium	0.07 mm
Cutting edge $\varnothing D_c$	12 mm
Shank form	HA
No. of teeth Z	3
Shank $\varnothing D_s$	12 mm
Overall length L	93 mm
Flute length $L_c$	36 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	90 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 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