

**Garant**
**GARANT Master Alu solid carbide milling cutter HPC, uncoated, Ø DC: 14 mm**

**Order data**

Order number	202470 14
GTIN	4062406245719
Item class	11X

**Description**
**Version:**
**Extra sharp cutting edges.**

Dimensions similar to DIN 6527.

Double relief ground side clearance angle.

For roughing and finishing. Up to 2xD into solid material at very high feed rates and smooth cutting action.

**Note:**
**Successor product to No. 202480.**

Tolerance nominal Ø: h6

No. of teeth Z: 4

Helix angle: 38 degrees

Direction of infeed: horizontal, oblique and vertical

Shank: DIN 6535 HA to h6

No. of teeth Z: 4

Flute length  $L_c$ : 30 mm

Overhang length  $L_1$  incl. recess: 35 mm

Recess Ø  $D_1$ : 13 mm

Overall length L: 83 mm

Shank Ø  $D_s$ : 14 mm

**Technical description**

Recess Ø $D_1$	13 mm
Helix angle	38 degrees
Tolerance nominal Ø	h6

Shank $\varnothing D_s$	14 mm
Feed $f_z$ for slot milling in short-chipping aluminium	0.12 mm
Shank	DIN 6535 HA to h6
Overhang length $L_1$ incl. recess	35 mm
Flute length $L_c$	30 mm
No. of teeth $Z$	4
Feed $f_z$ for side milling in short-chipping aluminium	0.17 mm
Direction of infeed	horizontal, oblique and vertical
Cutting edge $\varnothing D_c$	14 mm
Overall length $L$	83 mm
Corner chamfer angle	90 degrees
Series	GARANT Master Alu
Coating	uncoated
Tool material	Solid carbide
Standard	DIN 6527
Type	W
Cutting width $a_e$ for milling operation	Full slot cutting depth $1 \times D$
Cutting width $a_e$ for milling operation	Full slot cutting depth $1 \times D$
Through-coolant	no
Machining strategy	HPC
Colour ring	yellow
Type of product	End mill

## Services

Shank clamping flats for shrink-fit chucks, with retainer function Shank $\varnothing$ tool 20 mm	SZ2025 20
Shank recess Type FRST	209900 FRST