

**Garant**
**GARANT Master Alu solid carbide milling cutter HPC, uncoated, Ø DC: 16 mm**

**Order data**

Order number	202470 16
GTIN	4062406245726
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  $L_c$ : 36 mm

Overhang length  $L_1$  incl. recess: 41 mm

Recess Ø  $D_1$ : 15 mm

Overall length L: 92 mm

Shank Ø  $D_s$ : 16 mm

**Technical description**

Feed $f_z$ for side milling in short-chipping aluminium	0.18 mm
Flute length $L_c$	36 mm
Cutting edge Ø $D_c$	16 mm

Shank $\varnothing D_s$	16 mm
Recess $\varnothing D_1$	15 mm
Tolerance nominal $\varnothing$	h6
Direction of infeed	horizontal, oblique and vertical
No. of teeth Z	4
Shank	DIN 6535 HA to h6
Feed $f_z$ for slot milling in short-chipping aluminium	0.14 mm
Helix angle	38 degrees
Overhang length $L_1$ incl. recess	41 mm
Overall length L	92 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 grinding Type HB	129100 HB
Shank clamping flats for shrink-fit chucks, with retainer function Shank $\varnothing$ tool 16 mm	SZ2025 16
Shank recess Type FRST	209900 FRST

