

**Garant**
**GARANT Master Alu solid carbide milling cutter HPC, DLC, Ø e8 DC: 4M mm**

**Order data**

Order number	201075 4M
GTIN	4062406186487
Item class	11Z

**Description**
**Version:**

**Precision balanced tools**, ideally suited for use on **high-speed spindles**. Special geometry for optimum chip evacuation thanks to **newly developed balancing process**.

Very smooth cutting action for **outstanding surface quality**.

Tolerance nominal Ø: e8

No. of teeth Z: 1

Helix angle: 30 degrees

Direction of infeed: horizontal, oblique and vertical

Shank: Plain shank

Balance quality with shank: G 1.8 with HA

No. of teeth Z: 1

Flute length  $L_c$ : 10 mm

Overhang length  $L_1$  incl. recess: 16 mm

Recess Ø  $D_1$ : 3.8 mm

Overall length L: 50 mm

Shank Ø  $D_s$ : 6 mm

**Technical description**

Tolerance nominal Ø	e8
Helix angle	30 degrees
Overall length L	50 mm
Shank	Plain shank
Balance quality with shank	G 1.8 with HA

Flute length $L_c$	10 mm
Overhang length $L_1$ incl. recess	16 mm
Recess $\varnothing D_1$	3.8 mm
No. of teeth $Z$	1
Cutting edge $\varnothing D_c$	4 mm
Direction of infeed	horizontal, oblique and vertical
Feed $f_z$ for slot milling in short-chipping aluminium	0.04 mm
Shank $\varnothing D_s$	6 mm
Feed $f_z$ for side milling in short-chipping aluminium	0.06 mm
Corner chamfer angle	90 degrees
Series	GARANT Master Alu
Coating	DLC
Tool material	Solid carbide
Standard	Manufacturer's standard
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
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