

## Garant

### GARANT Master Alu solid carbide milling cutter HPC, DLC, Ø e8 DC: 12L mm



#### Order data

Order number	201075 12L
GTIN	4062406186692
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  $L_c$ : 32 mm

Overhang length  $L_1$  incl. recess: 42 mm

Recess Ø  $D_1$ : 11 mm

Overall length L: 70 mm

Shank Ø  $D_s$ : 12 mm

#### Technical description

Tolerance nominal Ø	e8
Overhang length $L_1$ incl. recess	42 mm
Overall length L	70 mm
Helix angle	30 degrees
Feed $f_z$ for slot milling in short-chipping aluminium	0.1 mm

Flute length $L_c$	32 mm
Balance quality with shank	G 1.8 with HA
No. of teeth Z	1
Direction of infeed	horizontal, oblique and vertical
Shank	Plain shank
Cutting edge $\varnothing D_c$	12 mm
Recess $\varnothing D_1$	11 mm
Feed $f_z$ for side milling in short-chipping aluminium	0.12 mm
Shank $\varnothing D_s$	12 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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