

## Garant

### GARANT Master Alu SlotMachine solid carbide roughing end mill with through-coolant HPC / TPC, DLC, Ø e8 DC: 16 mm



#### Order data

Order number	205267 16
GTIN	4062406381233
Item class	11X

#### Description

##### Version:

For roughing.

Special profile for machining non-ferrous metals. Significant reduction in the chip volume due to targeted chip fragmentation using the **special cutter geometry**.

Improved chip evacuation due to central through-coolant.

Tolerance nominal Ø: e8

No. of teeth Z: 4

Helix angle: 35 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: 4

Flute length  $L_c$ : 48 mm

Overhang length  $L_1$  incl. recess: 58 mm

Recess Ø  $D_1$ : 15 mm

Overall length L: 108 mm

Shank Ø  $D_s$ : 16 mm

#### Technical description

Shank	DIN 6535 HA to h6
Overall length L	108 mm
Feed $f_z$ for side milling in short-chipping aluminium	0.22 mm
Corner rounding $r_v$	0.32 mm

Feed $f_z$ for slot milling in short-chipping aluminium	0.2 mm
Helix angle	35 degrees
Flute length $L_c$	48 mm
Direction of infeed	horizontal, oblique and vertical
No. of teeth $Z$	4
Shank $\varnothing D_s$	16 mm
Recess $\varnothing D_1$	15 mm
Balance quality with shank	G 2.5 with HA
Overhang length $L_1$ incl. recess	58 mm
Cutting edge $\varnothing D_c$	16 mm
Tolerance nominal $\varnothing$	e8
Series	GARANT Master Alu
Coating	DLC
Tool material	Solid carbide
Standard	Manufacturer's standard
Milling profile	WR
Helix angle characteristic	unequal spacing
Spacing of the cutters	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	yes
Machining strategy	HPC
Machining strategy	HPC
Colour ring	yellow
Type of product	End mill