

## Garant

### GARANT Master Alu SlotMachine solid carbide roughing end mill with through-coolant HPC / TPC, DLC, Ø e8 DC: 20 mm



#### Order data

Order number	205267 20
GTIN	4062406381240
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  $L_c$ : 60 mm

Overhang length  $L_1$  incl. recess: 74 mm

Recess Ø  $D_1$ : 19 mm

Overall length L: 126 mm

Shank Ø  $D_s$ : 20 mm

#### Technical description

Helix angle	35 degrees
No. of teeth Z	4
Feed $f_z$ for slot milling in short-chipping aluminium	0.25 mm
Direction of infeed	horizontal, oblique and vertical

Balance quality with shank	G 2.5 with HA
Tolerance nominal $\varnothing$	e8
Cutting edge $\varnothing D_c$	20 mm
Overall length L	126 mm
Corner rounding $r_v$	0.5 mm
Recess $\varnothing D_1$	19 mm
Flute length $L_c$	60 mm
Overhang length $L_1$ incl. recess	74 mm
Feed $f_z$ for side milling in short-chipping aluminium	0.28 mm
Shank $\varnothing D_s$	20 mm
Shank	DIN 6535 HA to h6
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