

## Garant

### **GARANT Master Alu PickPocket solid carbide roughing end mill with through-coolant HPC, DLC, Ø e8 DC: 18 mm**



#### Order data

Order number	202006 18
GTIN	4062406126223
Item class	11X

#### Description

##### Version:

For roughing and finishing.

Up to  $2 \times D$  into solid material at very high feed rates and smooth cutting action.

Very high feed rates when plunging vertically.

Ramping capability up to  $45^\circ$ .

Improved chip evacuation due to central through-coolant. Due to the patented geometry also suitable for boring.

With the latest generation of DLC coating  $sp^2$ .

##### Advantage:

**Optimised flute form, eccentric relief ground, generous chip spaces.**

Tolerance nominal  $\varnothing$ : e8

No. of teeth Z: 3

Helix angle: 42 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: 3

Flute length  $L_c$ : 31 mm

Overhang length  $L_1$  incl. recess: 42 mm

Recess  $\varnothing D_1$ : 17.8 mm

Overall length L: 92 mm

Shank  $\varnothing D_s$ : 18 mm

#### Technical description

Overall length L	92 mm
Balance quality with shank	G 2.5 with HA
Feed $f_z$ for slot milling in short-chipping aluminium	0.16 mm
No. of teeth Z	3
Flute length $L_c$	31 mm
Direction of infeed	horizontal, oblique and vertical
Shank	DIN 6535 HA to h6
Recess $\varnothing D_1$	17.8 mm
Feed $f_z$ for side milling in short-chipping aluminium	0.2 mm
Cutting edge $\varnothing D_c$	18 mm
Shank $\varnothing D_s$	18 mm
Overhang length $L_1$ incl. recess	42 mm
Helix angle	42 degrees
Tolerance nominal $\varnothing$	e8
Corner rounding $r_v$	0.32 mm
Series	GARANT Master Alu
Coating	DLC
Tool material	Solid carbide
Standard	DIN 6527
Type	W
Helix angle characteristic	unequal spacing
Spacing of the cutters	unequal spacing
Cutting width $a_e$ for milling operation	Full slot cutting depth $1 \times D$
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Through-coolant	yes
Machining strategy	HPC
Colour ring	yellow
Type of product	End mill

## Services

Shank grinding Type HB

129100 HB