

Garant

GARANT Master Alu PickPocket solid carbide roughing end mill HPC, DLC, Ø e8 DC: 18 mm



Order data

Order number	202004 18
GTIN	4062406126049
Item class	11X

Description

Version:

With the latest generation of DLC coating sp^2 .

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° .

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

Direction of infeed	horizontal, oblique and vertical
Balance quality with shank	G 2.5 with HA

Shank	DIN 6535 HA to h6
Helix angle	42 degrees
No. of teeth Z	3
Tolerance nominal \varnothing	e8
Overall length L	92 mm
Overhang length L_1 incl. recess	42 mm
Recess $\varnothing D_1$	17.8 mm
Feed f_z for slot milling in short-chipping aluminium	0.16 mm
Flute length L_c	31 mm
Shank $\varnothing D_s$	18 mm
Cutting edge $\varnothing D_c$	18 mm
Feed f_z for side milling in short-chipping aluminium	0.2 mm
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 $1 \times D$
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

