

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

Order data

Order number	202012 18
GTIN	4062406126322
Item class	11X

Description
Version:

For roughing and finishing.

Up to 2×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.

Note:

A minimum oversize of 0.1×D must be maintained for subsequent finishing operations.

Tolerance nominal Ø: 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: 67 mm

Recess Ø D_1 : 17.8 mm

Overall length L: 117 mm

Shank Ø D_s : 18 mm

Technical description

Shank Ø D_s	18 mm
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No. of teeth Z	3
Direction of infeed	horizontal, oblique and vertical
Overall length L	117 mm
Cutting edge $\varnothing D_c$	18 mm
Feed f_z for slot milling in short-chipping aluminium	0.14 mm
Recess $\varnothing D_1$	17.8 mm
Flute length L_c	31 mm
Balance quality with shank	G 2.5 with HA
Overhang length L_1 incl. recess	67 mm
Tolerance nominal \varnothing	e8
Feed f_z for side milling in short-chipping aluminium	0.16 mm
Shank	DIN 6535 HA to h6
Helix angle	42 degrees
Corner chamfer angle	90 degrees
Series	GARANT Master Alu
Coating	uncoated
Tool material	Solid carbide
Standard	Manufacturer's standard
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