

Garant

GARANT Master Alu PickPocket solid carbide roughing end mill HPC, DLC, Ø e8 DC: 20 mm



Order data

Order number	202004 20
GTIN	4062406126056
Item class	11X

Description

Version:

With the latest generation of DLC coating sp².

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.

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: 41 mm

Overhang length L₁ incl. recess: 52 mm

Recess Ø D₁: 19.8 mm

Overall length L: 104 mm

Shank Ø D_s: 20 mm

Technical description

Tolerance nominal Ø	e8
Flute length L _c	41 mm

Direction of infeed	horizontal, oblique and vertical
Recess $\varnothing D_1$	19.8 mm
Overhang length L_1 incl. recess	52 mm
Cutting edge $\varnothing D_c$	20 mm
Feed f_z for slot milling in short-chipping aluminium	0.18 mm
Overall length L	104 mm
Feed f_z for side milling in short-chipping aluminium	0.22 mm
Helix angle	42 degrees
Shank	DIN 6535 HA to h6
Balance quality with shank	G 2.5 with HA
No. of teeth Z	3
Shank $\varnothing D_s$	20 mm
Corner rounding r_v	0.5 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	no
Machining strategy	HPC
Colour ring	yellow
Type of product	End mill

Services

Shank grinding Type HB

129100 HB

