

Garant
GARANT Master Alu PickPocket solid carbide roughing end mill HPC, DLC, Ø e6 DC: 20 mm

Order data

Order number	202010 20
GTIN	4062406380854
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° .

With the latest generation of DLC coating sp^2 .

Advantage:

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

Tolerance nominal Ø: e6

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 : 60 mm

Overhang length L_1 incl. recess: 74 mm

Recess Ø D_1 : 19.8 mm

Overall length L: 126 mm

Shank Ø D_s : 20 mm

Technical description

Feed f_z for slot milling in short-chipping aluminium	0.16 mm
Corner rounding r_v	0.2 mm

Shank	DIN 6535 HA to h6
Flute length L_c	60 mm
Feed f_z for side milling in short-chipping aluminium	0.18 mm
Recess $\varnothing D_1$	19.8 mm
Helix angle	42 degrees
Shank $\varnothing D_s$	20 mm
Cutting edge $\varnothing D_c$	20 mm
Direction of infeed	horizontal, oblique and vertical
Overall length L	126 mm
Tolerance nominal $\varnothing$	e6
Balance quality with shank	G 2.5 with HA
No. of teeth Z	3
Overhang length L_1 incl. recess	74 mm
Series	GARANT Master Alu
Coating	DLC
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 $1 \times D$
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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
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