

Garant

GARANT Master Alu PickPocket solid carbide roughing end mill with through-coolant HPC, DLC, Ø e6 DC: 10 mm



Order data

Order number	202019 10
GTIN	4062406381103
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°.

Improved chip evacuation due to central through-coolant.

Very long overhang for safe machining of deep cavities.

With the latest generation of DLC coating sp².

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: 16 mm

Overhang length L₁ incl. recess: 58 mm

Recess Ø D₁: 9.2 mm

Overall length L: 100 mm

Shank Ø D_s: 10 mm

Technical description

No. of teeth Z	3
Tolerance nominal \varnothing	e8
Balance quality with shank	G 2.5 with HA
Feed f_z for side milling in short-chipping aluminium	0.07 mm
Shank	DIN 6535 HA to h6
Shank $\varnothing D_s$	10 mm
Direction of infeed	horizontal, oblique and vertical
Overall length L	100 mm
Overhang length L_1 incl. recess	58 mm
Helix angle	42 degrees
Flute length L_c	16 mm
Recess $\varnothing D_1$	9.2 mm
Cutting edge $\varnothing D_c$	10 mm
Feed f_z for slot milling in short-chipping aluminium	0.05 mm
Corner rounding r_v	0.2 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	$0.3 \times D$ for side milling
Through-coolant	no
Machining strategy	HPC
Colour ring	yellow
Type of product	End mill

