

## Garant

### GARANT Master Alu PickPocket solid carbide roughing end mill HPC, uncoated, Ø e6 DC: 12 mm



#### Order data

Order number	202008 12
GTIN	4062406380755
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  $45^\circ$ .

##### 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  $L_c$ : 36 mm

Overhang length  $L_1$  incl. recess: 46 mm

Recess Ø  $D_1$ : 11.8 mm

Overall length L: 93 mm

Shank Ø  $D_s$ : 12 mm

#### Technical description

Recess Ø $D_1$	11.8 mm
Corner chamfer angle	90 degrees
Balance quality with shank	G 2.5 with HA

Shank $\varnothing D_s$	12 mm
Tolerance nominal $\varnothing$	e6
Shank	DIN 6535 HA to h6
Cutting edge $\varnothing D_c$	12 mm
Direction of infeed	horizontal, oblique and vertical
Helix angle	42 degrees
Feed $f_z$ for side milling in short-chipping aluminium	0.11 mm
No. of teeth Z	3
Overhang length $L_1$ incl. recess	46 mm
Feed $f_z$ for slot milling in short-chipping aluminium	0.08 mm
Flute length $L_c$	36 mm
Overall length L	93 mm
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
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