

Garant
GARANT Master Alu SlotMachine solid carbide roughing end mill HPC, DLC, Ø e8 DC: 12 mm

Order data

Order number	205250 12
GTIN	4062406122249
Item class	11X

Description
Version:

For roughing.

Special profile for machining non-ferrous metals.

Advantage:

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

Up to $2 \times D$ into solid material at very high feed rates and smooth cutting action.

Ramping capability up to 45° .

Very high feed rates when plunging vertically, thanks to **special plunging geometry**.

Tolerance nominal Ø: e8

No. of teeth Z: 3

Helix angle: 35 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 : 26 mm

Overhang length L_1 incl. recess: 36 mm

Recess Ø D_1 : 11 mm

Overall length L: 83 mm

Shank Ø D_s : 12 mm

Technical description

Flute length L_c	26 mm
Shank Ø D_s	12 mm

Cutting edge Ø D _c	12 mm
Balance quality with shank	G 2.5 with HA
Overall length L	83 mm
Feed f _z for side milling in short-chipping aluminium	0.18 mm
Helix angle	35 degrees
No. of teeth Z	3
Tolerance nominal Ø	e8
Feed f _z for slot milling in short-chipping aluminium	0.15 mm
Recess Ø D ₁	11 mm
Shank	DIN 6535 HA to h6
Overhang length L ₁ incl. recess	36 mm
Direction of infeed	horizontal, oblique and vertical
Corner rounding r _v	0.32 mm
Series	GARANT Master Alu
Coating	DLC
Tool material	Solid carbide
Standard	DIN 6527
Milling profile	WR
Helix angle characteristic	unequal spacing
Spacing of the cutters	unequal spacing
Cutting width a _e for milling operation	0.4×D for side milling
Cutting width a _e for milling operation	Full slot cutting depth 1×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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