

Garant**GARANT Master Alu SlotMachine solid carbide roughing end mill with through-coolant HPC, DLC, Ø e8 DC: 8 mm****Order data**

Order number	205255 8
GTIN	4062406122362
Item class	11X

Description**Version:**

For roughing.

Special profile for machining non-ferrous metals.

Improved chip evacuation due to central through-coolant. Due to the patented geometry also suitable for boring.

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 : 19 mm

Overhang length L_1 incl. recess: 25 mm

Recess Ø D_1 : 7.5 mm

Overall length L: 63 mm

Shank Ø D_s : 8 mm

Technical description

No. of teeth Z	3
Tolerance nominal Ø	e8
Shank	DIN 6535 HA to h6
Shank Ø D _s	8 mm
Balance quality with shank	G 2.5 with HA
Feed f _z for slot milling in short-chipping aluminium	0.1 mm
Cutting edge Ø D _c	8 mm
Flute length L _c	19 mm
Helix angle	35 degrees
Recess Ø D ₁	7.5 mm
Feed f _z for side milling in short-chipping aluminium	0.12 mm
Overhang length L ₁ incl. recess	25 mm
Direction of infeed	horizontal, oblique and vertical
Overall length L	63 mm
Corner rounding r _v	0.2 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	Full slot cutting depth 1×D
Cutting width a _e for milling operation	Full slot cutting depth 1×D
Through-coolant	yes
Machining strategy	HPC
Colour ring	yellow
Type of product	End mill

Services

Shank grinding Type HB

129100 HB