

Garant

GARANT Master Alu SlotMachine solid carbide roughing end mill TPC, DLC, Ø e8 DC: 6 mm



Order data

Order number	205276 6
GTIN	4062406581350
Item class	11X

Description

Version:

For roughing.

Special profile for machining non-ferrous metals. Significant reduction in the chip volume due to targeted chip fragmentation using the **special cutter geometry**.

Problem-solver for TPC machining. Ideal for automated production as the risk of chip accumulations in the machine is largely prevented.

Note:

Please use tools with HB drive flats for particularly demanding roughing machining tasks. Can be ordered in the Hoffmann Group's e-shop.

h_{max} : The values stated in the table are maximum values.

ae_{max} is $0.12 \times D$ for TPC machining.

Tolerance nominal Ø: e8

No. of teeth Z: 3

Helix angle: 35 degrees

Direction of infeed: horizontal, oblique and vertical

Shank: DIN 6535 HB to h6

Balance quality with shank: G 2.5 with HB

No. of teeth Z: 3

Flute length L_c : 25 mm

Overhang length L_1 incl. recess: 30 mm

Recess Ø D_1 : 5.7 mm

Overall length L: 70 mm

Shank Ø D_s : 6 mm

Technical description

Helix angle	35 degrees
Recess $\varnothing D_1$	5.7 mm
Average chip thickness h_{\max} for TPC milling in short-chipping aluminium	0.039 mm
Shank $\varnothing D_s$	6 mm
Flute length L_c	25 mm
Balance quality with shank	G 2.5 with HB
Corner rounding r_v	0.2 mm
Overall length L	70 mm
Tolerance nominal \varnothing	e8
Overhang length L_1 incl. recess	30 mm
Shank	DIN 6535 HB to h6
Direction of infeed	horizontal, oblique and vertical
No. of teeth Z	3
Cutting edge $\varnothing D_c$	6 mm
Series	GARANT Master Alu
Coating	DLC
Tool material	Solid carbide
Standard	Manufacturer's standard
Milling profile	WR
Helix angle characteristic	unequal spacing
Spacing of the cutters	unequal spacing
Cutting width a_e for milling operation	$0.12 \times D$
Through-coolant	no
Machining strategy	HPC
Colour ring	yellow
Type of product	End mill

