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

Order data

Order number	205274 6
GTIN	4062406381257
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.
For **HB shanks** use order **no. 205276**.
HB shanks are available at the same price as HA.
h_{max}: The values stated in the table are maximum values.
ae_{max} is 0.12 × 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 HA to h6
Balance quality with shank: G 2.5 with HA
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

Average chip thickness h_{max} for TPC milling in short-chipping aluminium	0.039 mm
Overhang length L_1 incl. recess	30 mm
Cutting edge Ø D_C	6 mm
Direction of infeed	horizontal, oblique and vertical
Overall length L	70 mm
Helix angle	35 degrees
Balance quality with shank	G 2.5 with HA
Shank Ø D_s	6 mm
Corner rounding r_v	0.2 mm
Recess Ø D_1	5.7 mm
No. of teeth Z	3
Shank	DIN 6535 HA to h6
Flute length L_c	25 mm
Tolerance nominal Ø	e8
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×D
Through-coolant	no
Machining strategy	HPC
Colour ring	yellow
Type of product	End mill