Garant

GARANT Master Alu SlotMachine solid carbide roughing end mill HPC, DLC, Ø e8 DC: 8 mm

Order data

Order number	205274 8
GTIN	4062406381264
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: 33 mm
Overhang length L_1 incl. recess: 40 mm
Recess Ø D_1: 7.5 mm
Overall length L: 80 mm
Shank Ø D_s: 8 mm

Technical description

Balance quality with shank	G 2.5 with HA
Shank	DIN 6535 HA to h6
Shank ∅ D_s	8 mm
Overhang length L_1 incl. recess	40 mm
No. of teeth Z	3
Overall length L	80 mm
Corner rounding r_v	0.2 mm
Helix angle	35 degrees
Tolerance nominal ∅	e8
Recess ∅ D_1	7.5 mm
Average chip thickness h_{max} for TPC milling in short-chipping aluminium	0.052 mm
Flute length L_c	33 mm
Direction of infeed	horizontal, oblique and vertical
Cutting edge ∅ D_C	8 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×D
Through-coolant	no
Machining strategy	HPC
Colour ring	yellow
Type of product	End mill