

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

Order data

Order number	205274 12
GTIN	4062406381288
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 $0.12 \times D$ 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 HA to h6

Balance quality with shank: G 2.5 with HA

No. of teeth Z: 3

Flute length L_c : 49 mm

Overhang length L_1 incl. recess: 60 mm

Recess Ø D_1 : 11 mm

Overall length L: 110 mm

Shank Ø D_s : 12 mm

Technical description

Balance quality with shank	G 2.5 with HA
Overall length L	110 mm
Tolerance nominal \varnothing	e8
Average chip thickness h_{\max} for TPC milling in short-chipping aluminium	0.078 mm
Helix angle	35 degrees
Direction of infeed	horizontal, oblique and vertical
Flute length L_c	49 mm
Overhang length L_1 incl. recess	60 mm
No. of teeth Z	3
Corner rounding r_v	0.32 mm
Cutting edge $\varnothing D_c$	12 mm
Shank $\varnothing D_s$	12 mm
Shank	DIN 6535 HA to h6
Recess $\varnothing D_1$	11 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

