

Garant

GARANT Master Alu SlotMachine solid carbide roughing end mill HPC, DLC, Ø e8 DC: 16 mm



Order data

Order number	205277 16
GTIN	4062406585853
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 $0.1 \times D$ for TPC machining.

Tolerance nominal Ø: e8

No. of teeth Z: 4

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: 4

Flute length L_c : 81 mm

Overhang length L_1 incl. recess: 96 mm

Recess Ø D_1 : 15 mm

Overall length L: 150 mm

Shank Ø D_s : 16 mm

Technical description

Average chip thickness h_{\max} for TPC milling in short-chipping aluminium	0.096 mm
Flute length L_c	81 mm
Corner rounding r_v	0.32 mm
Cutting edge $\varnothing D_c$	16 mm
No. of teeth Z	4
Helix angle	35 degrees
Tolerance nominal \varnothing	e8
Shank $\varnothing D_s$	16 mm
Overall length L	150 mm
Shank	DIN 6535 HB to h6
Direction of infeed	horizontal, oblique and vertical
Balance quality with shank	G 2.5 with HB
Overhang length L_1 incl. recess	96 mm
Recess $\varnothing D_1$	15 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	$0.1 \times D$
Through-coolant	no
Machining strategy	HPC
Colour ring	yellow
Type of product	End mill

