

Garant

GARANT Master Alu SlotMachine solid carbide roughing end mill TPC, DLC, Ø e8 DC: 20 mm



Order data

Order number	205276 20
GTIN	4062406581404
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: 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 : 82 mm

Overhang length L_1 incl. recess: 100 mm

Recess Ø D_1 : 19 mm

Overall length L: 150 mm

Shank Ø D_s : 20 mm

Technical description

Shank	DIN 6535 HB to h6
Direction of infeed	horizontal, oblique and vertical
Overall length L	150 mm
Balance quality with shank	G 2.5 with HB
Tolerance nominal \varnothing	e8
Helix angle	35 degrees
Flute length L_c	82 mm
Corner rounding r_v	0.5 mm
Recess $\varnothing D_1$	19 mm
Overhang length L_1 incl. recess	100 mm
Shank $\varnothing D_s$	20 mm
No. of teeth Z	4
Cutting edge $\varnothing D_c$	20 mm
Average chip thickness h_{max} for TPC milling in short-chipping aluminium	0.13 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

