

## Garant

### GARANT Master Alu solid carbide torus cutter HPC, DLC, Ø h6 DC / RS1: 20/3,0 mm



#### Order data

Order number	206264 20/3,0
GTIN	4062406398699
Item class	11X

#### Description

##### Version:

Eccentric relief ground, additionally polish ground in the flutes for outstanding chip evacuation in long-chipping non-ferrous materials.

Very high feed rates when plunging vertically. Ramping capability up to 45°.

Tolerances:

##### · Corner radius

**RS<sub>1</sub> = 0.5 tolerance ±0.02.**

**RS<sub>1</sub> > 0.5 – 1.5 tolerance ±0.03.**

**RS<sub>1</sub> > 1.5 tolerance ±0.05.**

##### Application:

Particularly suitable for finishing work.

No. of teeth Z: 5

Shank: DIN 6535 HA to h6

Balance quality with shank: G 2.5 with HA

No. of teeth Z: 5

Flute length L<sub>c</sub>: 82 mm

Corner radius R<sub>1</sub>: 3 mm

Overhang length L<sub>1</sub> incl. recess: 100 mm

Recess Ø D<sub>1</sub>: 19 mm

Overall length L: 150 mm

#### Technical description

Shank Ø D <sub>s</sub>	20 mm
Feed f <sub>z</sub> for side milling in short-chipping aluminium	0.08 mm

Corner radius $R_1$	3 mm
Overall length L	150 mm
Cutting edge $\varnothing D_c$	20 mm
Flute length $L_c$	82 mm
Balance quality with shank	G 2.5 with HA
Recess $\varnothing D_1$	19 mm
Shank	DIN 6535 HA to h6
Overhang length $L_1$ incl. recess	100 mm
No. of teeth Z	5
Series	GARANT Master Alu
Coating	DLC
Tool material	Solid carbide
Standard	DIN 6527
Tolerance nominal $\varnothing$	e8
Helix angle characteristic	unequal spacing
Spacing of the cutters	unequal spacing
Direction of infeed	horizontal, oblique and vertical
Cutting width $a_e$ for milling operation	Full slot cutting depth $1 \times D$
Through-coolant	no
Machining strategy	HPC
Colour ring	yellow
Type of product	End mill