

**Garant**
**GARANT Master Alu SlotMachine solid carbide torus cutter HPC / TPC, DLC, Ø e8 DC / R1: 8/1,0 mm**

**Order data**

Order number	206258 8/1,0
GTIN	4062406396909
Item class	11X

**Description**
**Version:**

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

With a new knurled profile, optimised for higher feed rates. Tremendous bending strength due to the use of an innovative micrograin substrate.

No. of teeth Z: 3

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

Corner radius  $R_1$ : 1 mm

Overhang length  $L_1$  incl. recess: 40 mm

Recess Ø  $D_1$ : 7.5 mm

Overall length L: 75 mm

**Technical description**

Feed $f_z$ for side milling in short-chipping aluminium	0.1 mm
Overhang length $L_1$ incl. recess	40 mm
No. of teeth Z	3
Shank Ø $D_s$	8 mm
Balance quality with shank	G 2.5 with HA
Shank	DIN 6535 HA to h6

Overall length L	75 mm
Recess $\varnothing D_1$	7.5 mm
Corner radius $R_1$	1 mm
Flute length $L_c$	33 mm
Cutting edge $\varnothing D_c$	8 mm
Feed $f_z$ for slot milling in short-chipping aluminium	0.09 mm
Series	GARANT Master Alu
Coating	DLC
Tool material	Solid carbide
Standard	Manufacturer's standard
Milling profile	WR
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 $1 \times D$
Cutting width $a_e$ for milling operation	$0.3 \times D$ for side milling
Through-coolant	no
Machining strategy	TPC
Machining strategy	HPC
Colour ring	yellow
Type of product	End mill