

Garant
GARANT Master Alu SlotMachine solid carbide torus cutter HPC / TPC, DLC, Ø e8 DC / R1: 12/1,0 mm

Order data

Order number	206258 12/1,0
GTIN	4062406398347
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 : 49 mm

Corner radius R_1 : 1 mm

Overhang length L_1 incl. recess: 60 mm

Recess Ø D_1 : 11 mm

Overall length L: 100 mm

Technical description

Feed f_z for side milling in short-chipping aluminium	0.15 mm
Recess Ø D_1	11 mm
Shank	DIN 6535 HA to h6
Balance quality with shank	G 2.5 with HA
Shank Ø D_s	12 mm
Flute length L_c	49 mm

No. of teeth Z	3
Overall length L	100 mm
Overhang length L ₁ incl. recess	60 mm
Corner radius R ₁	1 mm
Cutting edge Ø D _c	12 mm
Feed f _z for slot 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
Tolerance nominal Ø	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×D
Cutting width a _e for milling operation	0.3×D for side milling
Through-coolant	no
Machining strategy	TPC
Machining strategy	HPC
Colour ring	yellow
Type of product	End mill