

Garant

GARANT Master Alu PickPocket solid carbide torus cutter HPC, DLC, Ø e6 DC / R1: 6/1,0 mm



Order data

| | |
|--------------|---------------|
| Order number | 206261 6/1,0 |
| GTIN | 4062406398439 |
| 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

$R_1 = 0.5$ tolerance ± 0.02 mm.

$R_1 > 0.5 - 1.5$ tolerance ± 0.03 mm.

$R_1 > 1.5$ tolerance ± 0.05 mm.

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 : 10 mm

Corner radius R_1 : 1 mm

Overhang length L_1 incl. recess: 42 mm

Recess $\varnothing D_1$: 5.7 mm

Overall length L: 80 mm

Technical description

| | |
|----------------------------|---------------|
| Balance quality with shank | G 2.5 with HA |
| Shank $\varnothing D_s$ | 6 mm |
| No. of teeth Z | 3 |

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|---|----------------------------------|
| Cutting edge $\varnothing D_c$ | 6 mm |
| Corner radius R_1 | 1 mm |
| Feed f_z for copy milling in short-chipping aluminium | 0.045 mm |
| Flute length L_c | 10 mm |
| Overall length L | 80 mm |
| Feed f_z for side milling in short-chipping aluminium | 0.04 mm |
| Overhang length L_1 incl. recess | 42 mm |
| Recess $\varnothing D_1$ | 5.7 mm |
| Shank | DIN 6535 HA to h6 |
| Series | GARANT Master Alu |
| Coating | DLC |
| Tool material | Solid carbide |
| Standard | DIN 6527 |
| Type | W |
| 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 | 0.5×D for side milling |
| Cutting width a_e for milling operation | Full slot cutting depth 1×D |
| Through-coolant | no |
| Machining strategy | HPC |
| Colour ring | yellow |
| Type of product | End mill |