

Garant

GARANT Master Alu PickPocket solid carbide roughing end mill with through-coolant HPC, DLC, Ø e6 DC: 12 mm



Order data

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| Order number | 202019 12 |
| GTIN | 4062406381110 |
| Item class | 11X |

Description

Version:

For roughing and finishing.

Up to 2×D into solid material at very high feed rates and smooth cutting action.

Very high feed rates when plunging vertically.

Ramping capability up to 45°.

Improved chip evacuation due to central through-coolant.

Very long overhang for safe machining of deep cavities.

With the latest generation of DLC coating sp².

Advantage:

Optimised flute form, eccentric relief ground, generous chip spaces.

Note:

A minimum oversize of 0.1×D must be maintained for subsequent finishing operations.

Tolerance nominal Ø: e8

No. of teeth Z: 3

Helix angle: 42 degrees

Direction of infeed: horizontal, oblique and vertical

Shank: DIN 6535 HA to h6

Balance quality with shank: G 2.5 with HA

No. of teeth Z: 3

Flute length L_c: 19 mm

Overhang length L₁ incl. recess: 73 mm

Recess Ø D₁: 11 mm

Overall length L: 120 mm

Shank Ø D_s: 12 mm

Technical description

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|---|----------------------------------|
| Cutting edge $\varnothing D_c$ | 12 mm |
| Overall length L | 120 mm |
| Helix angle | 42 degrees |
| Feed f_z for side milling in short-chipping aluminium | 0.08 mm |
| Flute length L_c | 19 mm |
| Balance quality with shank | G 2.5 with HA |
| Direction of infeed | horizontal, oblique and vertical |
| Tolerance nominal \varnothing | e8 |
| Recess $\varnothing D_1$ | 11 mm |
| Shank $\varnothing D_s$ | 12 mm |
| Shank | DIN 6535 HA to h6 |
| No. of teeth Z | 3 |
| Feed f_z for slot milling in short-chipping aluminium | 0.06 mm |
| Corner rounding r_v | 0.2 mm |
| Overhang length L_1 incl. recess | 73 mm |
| Series | GARANT Master Alu |
| Coating | DLC |
| Tool material | Solid carbide |
| Standard | Manufacturer's standard |
| Type | W |
| Helix angle characteristic | unequal spacing |
| Spacing of the cutters | unequal spacing |
| Cutting width a_e for milling operation | $0.3 \times D$ for side milling |
| Through-coolant | no |
| Machining strategy | HPC |
| Colour ring | yellow |
| Type of product | End mill |

