Garant

# GARANT Master Alu PickPocket solid carbide roughing end mill HPC, uncoated, ⌀ e8 DC: 14 mm

## Order data

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| Order number | 202012 14 |
| GTIN | 4062406126308 |
| 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°.
**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 ⌀: 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 $L_c$: 26 mm
Overhang length $L_1$ incl. recess: 52 mm
Recess ⌀ $D_1$: 13.8 mm
Overall length L: 99 mm
Shank ⌀ $D_s$: 14 mm

## Technical description

| | |
|---|---|
| Overall length L | 99 mm |

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|---|---|
| Direction of infeed | horizontal, oblique and vertical |
| Balance quality with shank | G 2.5 with HA |
| Shank ∅ $D_s$ | 14 mm |
| Feed $f_z$ for slot milling in short-chipping aluminium | 0.1 mm |
| Tolerance nominal ∅ | e8 |
| No. of teeth Z | 3 |
| Shank | DIN 6535 HA to h6 |
| Cutting edge ∅ $D_C$ | 14 mm |
| Helix angle | 42 degrees |
| Feed $f_z$ for side milling in short-chipping aluminium | 0.12 mm |
| Overhang length $L_1$ incl. recess | 52 mm |
| Recess ∅ $D_1$ | 13.8 mm |
| Flute length $L_c$ | 26 mm |
| Corner chamfer angle | 90 degrees |
| Series | GARANT Master Alu |
| Coating | uncoated |
| 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 | Full slot cutting depth 1×D |
| 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 |

## Services

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| Shank grinding Type HB | 129100 HB |