

Garant

Solid carbide end mill HPC, ZOX, Ø f8 DC: 12 mm



Order data

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|--------------|---------------|
| Order number | 202548 12 |
| GTIN | 4045197271808 |
| Item class | 11X |

Description

Version:

Sturdy roughing end mills **without** knuckle profile.

With strong core, **special chip breaker recesses** and **large polished flutes**.

Application:

For roughing milling with high demands on the component surface.

Tolerance nominal Ø: f8

No. of teeth Z: 4

Helix angle: 45 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: 4

Flute length L_c : 24 mm

Overhang length L_1 incl. recess: 36 mm

Recess Ø D_1 : 11 mm

Overall length L: 83 mm

Shank Ø D_s : 12 mm

Technical description

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|---|---------|
| Recess Ø D_1 | 11 mm |
| Overhang length L_1 incl. recess | 36 mm |
| Feed f_z for slot milling in short-chipping aluminium | 0.07 mm |
| Cutting edge Ø D_c | 12 mm |
| Corner chamfer width at 45° | 0.2 mm |

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|---|--------------------------------------|
| Shank form | HA |
| No. of teeth Z | 4 |
| Feed f_z for side milling in short-chipping aluminium | 0.09 mm |
| Shank $\varnothing D_s$ | 12 mm |
| Overall length L | 83 mm |
| Flute length L_c | 24 mm |
| Direction of infeed | horizontal, oblique and vertical |
| Shank | DIN 6535 HA to h6 |
| Tolerance nominal \varnothing | f8 |
| Balance quality with shank | G 2.5 with HA |
| Helix angle | 45 degrees |
| Corner chamfer angle | 45 degrees |
| Coating | ZOX |
| 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 $1 \times D$ |
| Cutting width a_e for milling operation | $0.5 \times D$ for side milling |
| Through-coolant | no |
| Machining strategy | HPC |
| Colour ring | yellow |
| Type of product | End mill |

Services

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|---|-------------|
| Shank recess Type FRST | 209900 FRST |
| Shank clamping flats for shrink-fit chucks, with retainer function Shank \varnothing tool 12 mm | SZ2025 12 |
| | 129100 HB |

Shank grinding Type HB
