

Garant
Solid carbide roughing end mill HPC, TiAlN, Ø d11 DC: 12 mm

Order data

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|--------------|---------------|
| Order number | 205490 12 |
| GTIN | 4045197551566 |
| Item class | 11X |

Description
Version:
With special knuckle profile.

Dimensions similar to DIN 6527.

For high feed rates, very high metal removal rate.

Note:
NEW GENERATION AVAILABLE!
Recommended successor product No. 205550.

Tolerance nominal Ø: d11

No. of teeth Z: 4

Helix angle: 30 degrees

Direction of infeed: horizontal, oblique and vertical

Shank: DIN 6535 HB to h6

No. of teeth Z: 4

Flute length L_c : 26 mm

Overhang length L_1 incl. recess: 38 mm

Recess Ø D_1 : 11 mm

Overall length L: 83 mm

Shank Ø D_s : 12 mm

Technical description

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|--|---------|
| Feed f_z for slot milling in steel < 900 N/mm ² | 0.06 mm |
| No. of teeth Z | 4 |
| Cutting edge Ø D_c | 12 mm |
| Overhang length L_1 incl. recess | 38 mm |

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|--|----------------------------------|
| Feed f_z for side milling in steel < 900 N/mm ² | 0.08 mm |
| Corner chamfer width at 45° | 0.5 mm |
| Recess $\varnothing D_1$ | 11 mm |
| Shank $\varnothing D_s$ | 12 mm |
| Overall length L | 83 mm |
| Flute length L_c | 26 mm |
| Direction of infeed | horizontal, oblique and vertical |
| Shank | DIN 6535 HB to h6 |
| Tolerance nominal \varnothing | d11 |
| Helix angle | 30 degrees |
| Corner chamfer angle | 45 degrees |
| Coating | TiAlN |
| Tool material | Solid carbide |
| Standard | DIN 6527 |
| Milling profile | HR |
| Helix angle characteristic | unequal spacing |
| Spacing of the cutters | unequal spacing |
| 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 | green |
| 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 |

