

Garant
Solid carbide milling cutter HPC, TiAlN, Ø DC: 16M mm

Order data

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|--------------|---------------|
| Order number | 203009 16M |
| GTIN | 4045197657237 |
| Item class | 11X |

Description
Version:

Specially for **machining stainless steels such as duplex steels at high rates of metal removal.**

Cutting edge chamfer: Size 4 = 0.07mm; size 5 – 8 = 0.12 mm; size 10 – 18 = 0.2 mm; ≥ size 20 = 0.3 mm

Tolerance nominal Ø: h10

No. of teeth Z: 4

Helix angle: 38 degrees

Direction of infeed: horizontal, oblique and vertical

Shank: DIN 6535 HB to h6

No. of teeth Z: 4

Flute length L_c : 48 mm

Overhang length L_1 incl. recess: 55 mm

Recess Ø D_1 : 15.5 mm

Overall length L: 108 mm

Shank Ø D_s : 16 mm

Technical description

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|--|---------|
| Feed f_z for slot milling in stainless steel > 900 N/mm ² | 0.05 mm |
| No. of teeth Z | 4 |
| Recess Ø D_1 | 15.5 mm |
| Corner chamfer width at 45° | 0.2 mm |
| Feed f_z for side milling in INOX > 900 N/mm ² | 0.07 mm |
| Overhang length L_1 incl. recess | 55 mm |

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|---|----------------------------------|
| Cutting edge $\varnothing D_c$ | 16 mm |
| Shank $\varnothing D_s$ | 16 mm |
| Overall length L | 108 mm |
| Flute length L_c | 48 mm |
| Direction of infeed | horizontal, oblique and vertical |
| Shank | DIN 6535 HB to h6 |
| Tolerance nominal \varnothing | h10 |
| Helix angle | 38 degrees |
| Corner chamfer angle | 45 degrees |
| Coating | TiAlN |
| Tool material | Solid carbide |
| Standard | DIN 6527 |
| Type | N |
| Helix angle characteristic | unequal spacing |
| Spacing of the cutters | unequal spacing |
| Cutting width a_e for milling operation | 0.3×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 | blue |
| 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 16 mm | SZ2025 16 |