

Garant
Solid carbide roughing end mill MTC, TiAlN, Ø d11 DC: 20 mm

Order data

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|--------------|---------------|
| Order number | 205714 20 |
| GTIN | 4045197362797 |
| Item class | 11X |

Description
Version:

Dimensions similar to DIN 6527.

Optimised special knuckle profile for roughing.

Very **high rate of metal removal.**

Application:

Especially for **MTC (Multi Task Cutting)** use on the new generation of turning / milling centres.

Tolerance nominal Ø: d11

No. of teeth Z: 5

Helix angle: 45 degrees

Direction of infeed: horizontal, oblique and vertical

Shank: DIN 6535 HB to h6

No. of teeth Z: 5

Flute length L_c : 40 mm

Overhang length L_1 incl. recess: 54 mm

Recess Ø D_1 : 19.5 mm

Overall length L: 104 mm

Shank Ø D_s : 20 mm

Technical description

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|--|---------|
| Feed f_z for side milling in steel < 900 N/mm ² | 0.12 mm |
| No. of teeth Z | 5 |
| Cutting edge Ø D_c | 20 mm |
| Corner chamfer width at 45° | 0.4 mm |
| Feed f_z for slot milling in steel < 900 N/mm ² | 0.1 mm |

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|---|----------------------------------|
| Overhang length L_1 incl. recess | 54 mm |
| Recess $\varnothing D_1$ | 19.5 mm |
| Shank $\varnothing D_s$ | 20 mm |
| Overall length L | 104 mm |
| Flute length L_c | 40 mm |
| Direction of infeed | horizontal, oblique and vertical |
| Shank | DIN 6535 HB to h6 |
| Tolerance nominal \varnothing | d11 |
| Helix angle | 45 degrees |
| Corner chamfer angle | 45 degrees |
| Coating | TiAlN |
| Tool material | Solid carbide |
| Standard | DIN 6527 |
| Milling profile | HR |
| 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 | MTC |
| 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 20 mm | SZ2025 20 |