

Garant
Solid carbide roughing end mill MTC / TPC, TiAlN, Ø f8 DC: 5 mm

Order data

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|--------------|---------------|
| Order number | 202979 5 |
| GTIN | 4062406245160 |
| Item class | 11X |

Description
Version:

Significant cutting force reduction due to 45° helix.

Application:

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

Note:

For materials > 55 HRC we recommend reducing the depth of cut to $a_p = 0.25 \times D \dots 0.5 \times D$.

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

No. of teeth Z: 4

Flute length L_c : 13 mm

Overhang length L_1 incl. recess: 18 mm

Recess Ø D_1 : 4.7 mm

Overall length L: 57 mm

Shank Ø D_s : 6 mm

Technical description

| | |
|---------------------|----------------------------------|
| Tolerance nominal Ø | f8 |
| No. of teeth Z | 4 |
| Direction of infeed | horizontal, oblique and vertical |
| Recess Ø D_1 | 4.7 mm |
| Shank | DIN 6535 HA to h6 |

| | |
|---|-----------------------------|
| Overall length L | 57 mm |
| Shank $\varnothing D_s$ | 6 mm |
| Cutting edge $\varnothing D_c$ | 5 mm |
| Feed f_z for side milling in steel < 60 HRC | 0.015 mm |
| Helix angle | 45 degrees |
| Feed f_z for slot milling in steel < 60 HRC | 0.01 mm |
| Flute length L_c | 13 mm |
| Overhang length L_1 incl. recess | 18 mm |
| Corner rounding r_v | 0.1 mm |
| Coating | TiAlN |
| Tool material | Solid carbide |
| Standard | Manufacturer's standard |
| Type | H |
| Helix angle characteristic | unequal spacing |
| Spacing of the cutters | unequal spacing |
| Cutting width a_e for milling operation | 0.1×D |
| Cutting width a_e for milling operation | Full slot cutting depth 1×D |
| Cutting width a_e for milling operation | 0.15×D for side milling |
| Through-coolant | no |
| Machining strategy | MTC |
| Machining strategy | TPC |
| Colour ring | red |
| Type of product | End mill |