

Garant

Solid carbide milling cutter with chip separators TPC, TiAlN, Ø f8 DC: 10 mm



Order data

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|--------------|---------------|
| Order number | 203089 10 |
| GTIN | 4045197640949 |
| Item class | 11X |

Description

Version:

High-performance milling cutter specially designed for general-purpose TPC applications. Strengthened core.

Optimised bending strength due to the use of ultra-fine grain substrates.

Note:

$a_{e\max} = 0.07 \times D$ for TPC machining.

h_{\max} : The values stated in the table are maximum values.

Tolerance nominal Ø: f8

No. of teeth Z: 5

Helix angle: 40 degrees

Direction of infeed: horizontal and oblique

Shank: DIN 6535 HB to h6

Balance quality with shank: G 2.5 with HB

No. of teeth Z: 5

Flute length L_c : 30 mm

Overhang length L_1 incl. recess: 35 mm

Recess Ø D_1 : 9.8 mm

Overall length L: 80 mm

Shank Ø D_s : 10 mm

Technical description

| | |
|-----------------------------|--------|
| No. of teeth Z | 5 |
| Cutting edge Ø D_c | 10 mm |
| Recess Ø D_1 | 9.8 mm |
| Corner chamfer width at 45° | 0.2 mm |

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|---|-------------------------|
| Overhang length L_1 incl. recess | 35 mm |
| Average chip thickness h_{max} for TPC milling in Toolox 44 HRC | 0.051 mm |
| Shank $\varnothing D_s$ | 10 mm |
| Overall length L | 80 mm |
| Flute length L_c | 30 mm |
| Direction of infeed | horizontal and oblique |
| Shank | DIN 6535 HB to h6 |
| Tolerance nominal \varnothing | f8 |
| Balance quality with shank | G 2.5 with HB |
| Helix angle | 40 degrees |
| Corner chamfer angle | 45 degrees |
| Coating | TiAlN |
| Tool material | Solid carbide |
| Standard | Manufacturer's standard |
| Type | N |
| Helix angle characteristic | unequal spacing |
| Spacing of the cutters | unequal spacing |
| Cutting width a_e for milling operation | $0.07 \times D$ |
| Through-coolant | no |
| Machining strategy | TPC |
| Colour ring | green |
| Type of product | End mill |

Services

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|------------------------|-------------|
| Shank recess Type FRST | 209900 FRST |
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