

Solid carbide milling cutter with more chip separators TPC, TiAlN, \varnothing f8 DC: 12 mm



Order data

| Order number | 203092 12 |
|--------------|---------------|
| GTIN | 4045197953872 |
| Item class | 11X |

Description

Version:

 $\textbf{High-performance milling cutter} \ specially \ designed \ for \ general-purpose \ TPC \ applications.$

Strengthened core.

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

Chip separator for controlled chip breaking.

Note:

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

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

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: 36 mm

Overhang length L₁ incl. recess: 45 mm

Recess \emptyset D₁: 11.8 mm Overall length L: 93 mm Shank \emptyset D₄: 12 mm

Technical description

| Shank Ø D _s | 12 mm |
|------------------------|-------|
| Overall length L | 93 mm |

| Direction of infeed | horizontal and oblique |
|--|-------------------------|
| Balance quality with shank | G 2.5 with HB |
| Corner chamfer width at 45° | 0.24 mm |
| Tolerance nominal Ø | f8 |
| No. of teeth Z | 5 |
| Cutting edge Ø D _c | 12 mm |
| Shank | DIN 6535 HB to h6 |
| Recess Ø D ₁ | 11.8 mm |
| Overhang length L ₁ incl. recess | 45 mm |
| Helix angle | 40 degrees |
| Average chip thickness h_{max} for TPC milling in Toolox 44 HRC | 0.06 mm |
| Flute length L _c | 36 mm |
| Corner chamfer angle | 45 degrees |
| Coating | TiAIN |
| Tool material | Solid carbide |
| Standard | Manufacturer's standard |
| Туре | N |
| Helix angle characteristic | unequal spacing |
| Spacing of the cutters | unequal spacing |
| Cutting width a _e for milling operation | 0.07×D |
| Through-coolant | no |
| Machining strategy | TPC |
| Colour ring | green |
| Type of product | End mill |