

Garant

GARANT Master Titan solid carbide milling cutter with more chip separators TPC, TiAlN, Ø e8 DC: 5mm



Order data

| | |
|--------------|---------------|
| Order number | 203124 5 |
| GTIN | 4062406120214 |
| Item class | 11Z |

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.

Application:

Especially for milling **titanium and titanium alloys**.

Note:

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

$a_{e,max}$: = $0.04 \times D$ for TPC machining.

Technical description

| | |
|----------------------------|------------------------|
| Helix angle | 40 degrees |
| Cutting edge Ø D_c | 5 mm |
| Tolerance nominal Ø | e8 |
| Flute length L_c | 20 mm |
| Shank | DIN 1835 B to h5 |
| No. of teeth Z | 6 |
| Balance quality with shank | G 2.5 with HB |
| Direction of infeed | horizontal and oblique |
| Overall length L | 67 mm |

| | |
|---|-------------------------|
| Average chip thickness h_{\max} for TPC milling in titanium > 850 N/mm ² | 0.028 mm |
| Shank $\varnothing D_s$ | 6 mm |
| Corner rounding r_v | 0.1 mm |
| Series | Master Titan |
| 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 | 0.04×D |
| Through-coolant | no |
| Machining strategy | TPC |
| Colour ring | pink |
| Type of product | End / face mill |

User data

| | Suitability | V_c | ISO code |
|----------------------------|-------------|-----------|----------|
| Ti > 850 N/mm ² | suitable | 100 m/min | S |
| wet maximum | suitable | | |