

Garant

GARANT Master Titan solid carbide end torus cutter HPC, TiAlN, Ø h9 DC: 10 mm



Order data

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|--------------|---------------|
| Order number | 206288 10 |
| GTIN | 4045197989536 |
| Item class | 11Z |

Description

Version:

Tolerance: Corner radius $R_1 = \pm 0.01$ mm.

Special centre cutting edge geometry for traverse milling at very high feed rates.

Application:

For copy and traverse milling of titanium under HPC conditions.

Using special milling strategies **very high rates of metal removal can be achieved.**

Note:

Regrinding not recommended.

No. of teeth Z: 5

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Dimension $a_{p\ max}$ transverse: 0.7 mm

Programming radius: 2 mm

Flute length L_c : 5.8 mm

Overhang length L_1 incl. recess: 48 mm

Recess $\varnothing D_1$: 9 mm

Technical description

| | |
|------------------------------------|--------|
| No. of teeth Z | 5 |
| Recess $\varnothing D_1$ | 9 mm |
| Shank $\varnothing D_s$ | 10 mm |
| Cutting edge $\varnothing D_c$ | 10 mm |
| Overhang length L_1 incl. recess | 48 mm |
| Flute length L_c | 5.8 mm |

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|---|----------------------------------|
| Overall length L | 100 mm |
| Dimension $a_{p\ max}$ transverse | 0.7 mm |
| Programming radius | 2 mm |
| Feed f_z for copy milling in titanium $> 850\ N/mm^2$ | 0.12 mm |
| Setting angle κ | 15 degrees |
| Series | GARANT Master Titan |
| Coating | TiAlN |
| Tool material | Solid carbide |
| Standard | Manufacturer's standard |
| Type | N |
| Tolerance nominal \varnothing | h9 |
| Helix angle | 15 degrees |
| Direction of infeed | horizontal, oblique and vertical |
| Cutting width a_e for milling operation | $0.05 \times D$ for copy milling |
| Shank | DIN 6535 HA to h6 |
| Through-coolant | no |
| Machining strategy | HPC |
| Colour ring | pink |
| Type of product | End mill |

Services

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|------------------------|-----------|
| Shank grinding Type HB | 129100 HB |
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