

Garant
GARANT Master Titan solid carbide milling cutter HPC, TiAlN, Ø DC: 4 mm

Order data

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|--------------|---------------|
| Order number | 203029 4 |
| GTIN | 4045197991744 |
| Item class | 11Z |

Description
Version:

Specially ground with **corner radii similar to torus cutters.**

Application:

For milling **titanium and titanium alloys**, with very smooth cutting action for optimum tool lives and top metal removal rate.

Tolerance nominal Ø: e8

No. of teeth Z: 4

Helix angle: 40 degrees

Direction of infeed: horizontal, oblique and vertical

Shank: DIN 6535 HA to h6

No. of teeth Z: 4

Flute length L_c : 11 mm

Overhang length L_1 incl. recess: 16 mm

Recess Ø D_1 : 3.8 mm

Overall length L: 57 mm

Shank Ø D_s : 6 mm

Technical description

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|---|-------------------|
| Shank Ø D_s | 6 mm |
| No. of teeth Z | 4 |
| Feed f_z for side milling in titanium > 850 N/mm ² | 0.018 mm |
| Shank | DIN 6535 HA to h6 |
| Recess Ø D_1 | 3.8 mm |

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|--|--------------------------------------|
| Tolerance nominal \varnothing | e8 |
| Feed f_z for slot milling in titanium $> 850 \text{ N/mm}^2$ | 0.015 mm |
| Flute length L_c | 11 mm |
| Overhang length L_1 incl. recess | 16 mm |
| Overall length L | 57 mm |
| Helix angle | 40 degrees |
| Cutting edge $\varnothing D_c$ | 4 mm |
| Direction of infeed | horizontal, oblique and vertical |
| Corner rounding r_v | 0.1 mm |
| Series | GARANT Master Titan |
| Coating | TiAlN |
| Tool material | Solid carbide |
| Standard | DIN 6527 |
| Type | N |
| Spacing of the cutters | unequal spacing |
| Cutting width a_e for milling operation | Full slot cutting depth $1 \times D$ |
| Cutting width a_e for milling operation | $0.3 \times D$ for side milling |
| 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 |
|------------------------|-----------|