

Garant
GARANT Master INOX solid carbide milling cutter HPC, TiAlN, Ø h10 DC: 10 mm

Order data

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|--------------|---------------|
| Order number | 203006 10 |
| GTIN | 4045197851802 |
| Item class | 11X |

Description
Version:

For **roughing and finishing**.

HPC milling cutter with **newly developed high-performance coating** for **outstanding tool life** and **optimum metal removal rate** in a very wide range of stainless steels. **Greater oxidation resistance** and **high-temperature hardness**.

Can be used at **high cutting speeds**, particularly suitable even for TOOLOX®.

Advantage:

Particularly low vibration running.

Tolerance nominal Ø: h10

No. of teeth Z: 4

Helix angle: 40 degrees

Direction of infeed: horizontal, oblique and vertical

Shank: DIN 6535 HB to h6

No. of teeth Z: 4

Flute length L_c: 22 mm

Overhang length L₁ incl. recess: 40 mm

Recess Ø D₁: 9.5 mm

Overall length L: 80 mm

Shank Ø D_s: 10 mm

Technical description

| | |
|---|-------------------|
| Overhang length L ₁ incl. recess | 40 mm |
| Tolerance nominal Ø | h10 |
| Shank | DIN 6535 HB to h6 |

| | |
|---|--------------------------------------|
| Flute length L_c | 22 mm |
| No. of teeth Z | 4 |
| Cutting edge $\varnothing D_c$ | 10 mm |
| Feed f_z for side milling in INOX $> 900 \text{ N/mm}^2$ | 0.045 mm |
| Shank $\varnothing D_s$ | 10 mm |
| Feed f_z for slot milling in stainless steel $> 900 \text{ N/mm}^2$ | 0.04 mm |
| Direction of infeed | horizontal, oblique and vertical |
| Overall length L | 80 mm |
| Recess $\varnothing D_1$ | 9.5 mm |
| Corner chamfer width at 45° | 0.25 mm |
| Helix angle | 40 degrees |
| Corner chamfer angle | 45 degrees |
| Series | GARANT Master INOX |
| 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 | 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 | blue |
| Type of product | End mill |