

Garant

GARANT Master INOX M SlotMachine solid carbide roughing end mill HPC, TiAlN, Ø d11 DC: 4 mm



Order data

| | |
|--------------|---------------|
| Order number | 205450 4 |
| GTIN | 4062406276058 |
| Item class | 11X |

Description

Version:

With a **new type of knurled profile**, optimised for higher feed rates. Improved cutting edge protection thanks to slight edge honing. **Tremendous bending strength** due to the use of **ultra-fine grain substrate**. Number of cutters selected for performance and process reliability.

Advantage:

The tool geometry produces particularly tightly rolled swarf that is discharged via flat chip breaker recesses. As a result, the tool maintains an **extremely stable core**.

Application:

For roughing machining, particularly suitable for full-slot machining.

Tolerance nominal Ø: d11

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 : 11 mm

Overhang length L_1 incl. recess: 19 mm

Recess Ø D_1 : 3.7 mm

Overall length L: 57 mm

Shank Ø D_s : 6 mm

Technical description

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|-------------------------------------------------------------|-------------------|
| Feed f_z for side milling in INOX > 900 N/mm ² | 0.015 mm |
| Shank | DIN 6535 HB to h6 |

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|-----------------------------------------------------------------------|--------------------------------------|
| Cutting edge $\varnothing D_c$ | 4 mm |
| Flute length L_c | 11 mm |
| Shank $\varnothing D_s$ | 6 mm |
| Tolerance nominal \varnothing | d11 |
| Direction of infeed | horizontal, oblique and vertical |
| Overall length L | 57 mm |
| Feed f_z for slot milling in stainless steel $> 900 \text{ N/mm}^2$ | 0.01 mm |
| Helix angle | 40 degrees |
| Recess $\varnothing D_1$ | 3.7 mm |
| Overhang length L_1 incl. recess | 19 mm |
| Corner chamfer width at 45° | 0.15 mm |
| No. of teeth Z | 4 |
| Corner chamfer angle | 45 degrees |
| Series | GARANT Master INOX |
| Coating | TiAlN |
| Tool material | Solid carbide |
| Standard | DIN 6527 |
| Milling profile | NR |
| Cutting width a_e for milling operation | Full slot cutting depth $1 \times D$ |
| Cutting width a_e for milling operation | Full slot cutting depth $1 \times D$ |
| Through-coolant | no |
| Machining strategy | HPC |
| Colour ring | blue |
| Type of product | End mill |