

Garant

GARANT Master INOX solid carbide ball nose slot drill HPC, TiAlN, Ø f8 DC / DS: 4/6 mm



Order data

| | |
|--------------|---------------|
| Order number | 207474 4/6 |
| GTIN | 4062406130442 |
| Item class | 11X |

Description

Version:

HPC milling cutters with **newly developed high-performance coating** for **outstanding service life** and **optimum metal removal rates** in a wide range of stainless steels.

Greater oxidation resistance and **high-temperature hardness**.

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

Tolerance: Radius contour = **±0.005 mm**.

No. of teeth Z: 4

Helix angle: 45 degrees

No. of teeth Z: 4

Flute length L_c : 8 mm

Overall length L: 80 mm

Shank $\varnothing D_s$: 6 mm

Feed f_z for side milling in INOX < 900 N/mm²: 0.012 mm

Feed f_z for copy milling in stainless steel < 900 N/mm²: 0.013 mm

Technical description

| | |
|---|----------|
| Flute length L_c | 8 mm |
| Shank $\varnothing D_s$ | 6 mm |
| Cutting edge $\varnothing D_c$ | 4 mm |
| Overall length L | 80 mm |
| Feed f_z for side milling in INOX < 900 N/mm ² | 0.012 mm |

| | |
|---|----------------------------------|
| Feed f_z for copy milling in stainless steel $< 900 \text{ N/mm}^2$ | 0.013 mm |
| No. of teeth Z | 4 |
| Helix angle | 45 degrees |
| Correction factor for v_c | 1.25 |
| Radius R | 2 mm |
| Series | GARANT Master INOX |
| Coating | TiAlN |
| Tool material | Solid carbide |
| Standard | Manufacturer's standard |
| Type | N |
| Tolerance nominal \varnothing | f8 |
| Direction of infeed | horizontal, oblique and vertical |
| Cutting width a_e for milling operation | 0.5×D for side milling |
| Cutting width a_e for milling operation | Full slot cutting depth 1×D |
| Shank | DIN 6535 HA to h6 |
| Through-coolant | no |
| Machining strategy | HPC |
| Colour ring | blue |
| Type of product | End mill |

Services

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