

Garant

GARANT Master Steel solid carbide finishing cutter HPC, TiAlN, Ø f8 DC: 6 mm



Order data

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|--------------|---------------|
| Order number | 204012 6 |
| GTIN | 4045197886392 |
| Item class | 11X |

Description

Version:

For **finishing operations**.

Special geometry for optimum chip evacuation.

Unequal spacing gives high **intrinsic stability and smooth cutting action**.

For **profile milling as a finishing operation**.

Note:

$$a_{e\max} = 0.1 \times D$$

Can be reground from $\varnothing D_c = 6$ mm.

Tolerance nominal \varnothing : f8

No. of teeth Z: 7

Helix angle: 45 degrees

Direction of infeed: horizontal

Shank: DIN 6535 HA to h6

Balance quality with shank: G 2.5 with HA

No. of teeth Z: 7

Flute length L_c : 13 mm

Overall length L: 57 mm

Shank $\varnothing D_s$: 6 mm

Corner chamfer width at 45°: 0.06 mm

Feed f_z for side milling in steel < 900 N/mm²: 0.035 mm

Technical description

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|--|----------|
| No. of teeth Z | 7 |
| Tolerance nominal \varnothing | f8 |
| Feed f_z for side milling in steel < 900 N/mm ² | 0.035 mm |

| | |
|---|-------------------------|
| Cutting edge $\varnothing D_c$ | 6 mm |
| Balance quality with shank | G 2.5 with HA |
| Corner chamfer width at 45° | 0.06 mm |
| Shank | DIN 6535 HA to h6 |
| Shank $\varnothing D_s$ | 6 mm |
| Overall length L | 57 mm |
| Direction of infeed | horizontal |
| Flute length L_c | 13 mm |
| Helix angle | 45 degrees |
| Corner chamfer angle | 45 degrees |
| Series | GARANT Master Steel |
| Coating | TiAlN |
| Tool material | Solid carbide |
| Standard | Manufacturer's standard |
| Type | N |
| Spacing of the cutters | unequal spacing |
| Cutting width a_e for milling operation | 0.1×D for side milling |
| Through-coolant | no |
| Machining strategy | HPC |
| Colour ring | green |
| Type of product | End mill |

Services

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