

Garant
Diabolo solid carbide torus cutter HPC, TiAlN, Ø e8 DC / R1: 10/0,5 mm

Order data

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|--------------|---------------|
| Order number | 206442 10/0,5 |
| GTIN | 4045197599421 |
| Item class | 11X |

Description
Version:
GARANT Diabolo:

Special geometry, coating and carbide for hard machining.

Dimensions to DIN 6527 and 45° flutes.

Tolerance: Corner radius $R_1 = \pm 0.005$ mm.

Application:

For peripheral milling as a **finishing operation** (plunge milling only to shallow depths).

No. of teeth Z: 6

Helix angle: 45 degrees

Shank: DIN 6535 HA to h6

No. of teeth Z: 6

Flute length L_c : 30 mm

Corner radius R_1 : 0.5 mm

Overall length L: 85 mm

Shank $\varnothing D_s$: 10 mm

Feed f_z for side milling in steel < 65 HRC: 0.019 mm

Technical description

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|---|----------|
| Feed f_z for side milling in steel < 65 HRC | 0.019 mm |
| Corner radius R_1 | 0.5 mm |
| Cutting edge $\varnothing D_c$ | 10 mm |
| No. of teeth Z | 6 |
| Shank $\varnothing D_s$ | 10 mm |
| Flute length L_c | 30 mm |

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|---|-------------------------|
| Overall length L | 85 mm |
| Shank | DIN 6535 HA to h6 |
| Helix angle | 45 degrees |
| Series | Diabolo |
| Coating | TiAlN |
| Tool material | Solid carbide |
| Standard | DIN 6527 |
| Type | H |
| Tolerance nominal \varnothing | e8 |
| Helix angle characteristic | unequal spacing |
| Direction of infeed | horizontal and oblique |
| Cutting width a_e for milling operation | 0.05×D for copy milling |
| Cutting width a_e for milling operation | 0.05×D for side milling |
| Through-coolant | no |
| Machining strategy | HPC |
| Shank tolerance | h6 |
| Colour ring | red |
| Type of product | End mill |

Services

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|------------------------|-------------|
| Shank recess Type FRST | 209900 FRST |
| Shank grinding Type HB | 129100 HB |