

Garant
Diabolo carbide torus cutter HPC, TiAlN, Ø e8 DC / R1: 4/0,2 mm

Order data

| | |
|--------------|---------------|
| Order number | 206342 4/0,2 |
| GTIN | 4045197598691 |
| Item class | 11X |

Description
Version:
GARANT Diabolo:

Special geometry, coating and carbide, specially for hard machining.

Double relief ground side clearance angle.

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

No. of teeth Z: 4

Helix angle: 30 degrees

Shank: DIN 6535 HA to h6

No. of teeth Z: 4

Flute length L_c : 5 mm

Corner radius R_1 : 0.2 mm

Overhang length L_1 incl. recess: 36 mm

Recess $\varnothing D_1$: 3.7 mm

Overall length L: 75 mm

Technical description

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|---|----------|
| Recess $\varnothing D_1$ | 3.7 mm |
| Overhang length L_1 incl. recess | 36 mm |
| Feed f_z for side milling in steel < 65 HRC | 0.019 mm |
| Corner radius R_1 | 0.2 mm |
| No. of teeth Z | 4 |
| Feed f_z for copy milling in steel < 65 HRC | 0.019 mm |
| Cutting edge $\varnothing D_c$ | 4 mm |

| | |
|---|----------------------------------|
| Shank $\varnothing D_s$ | 4 mm |
| Flute length L_c | 5 mm |
| Overall length L | 75 mm |
| Shank | DIN 6535 HA to h6 |
| Helix angle | 30 degrees |
| Series | Diabolo |
| Coating | TiAlN |
| Tool material | Solid carbide |
| Standard | Manufacturer's standard |
| Type | H |
| Tolerance nominal \varnothing | e8 |
| Spacing of the cutters | unequal spacing |
| Direction of infeed | horizontal, oblique and vertical |
| Cutting width a_e for milling operation | 0.05xD for copy milling |
| Cutting width a_e for milling operation | 0.2xD 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 |
|------------------------|-------------|