

Garant
Solid carbide torus cutter, Diamond, Ø e8 DC / R1: 4/1,0 mm

Order data

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|--------------|---------------|
| Order number | 209750 4/1,0 |
| GTIN | 4045197475138 |
| Item class | 11Y |

Description
Version:

With the latest generation of **crystalline diamond coating sp³**, for process reliability in machining **fibre-reinforced composites, CRP, GRP and graphite**. Double relief ground side clearance angle.

For copy milling with angle $\alpha = 1^{\circ}30'$.

Tolerance: Corner radius $R_1 = \pm 0.01$ mm.

Note:

Standard application values

Side milling: f_z for $a_p = 0.1 \times D$.

No. of teeth Z: 2

Helix angle: 30 degrees

Shank: DIN 6535 HA to h6

No. of teeth Z: 2

Flute length L_c : 3 mm

Corner radius R_1 : 1 mm

Overhang length L_1 incl. recess: 16 mm

Recess $\varnothing D_1$: 3.8 mm

Overall length L: 80 mm

Technical description

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|---|----------|
| Recess $\varnothing D_1$ | 3.8 mm |
| $\varnothing D_2$ | 5.1 mm |
| Feed f_z for side milling in graphite | 0.026 mm |
| Cutting edge $\varnothing D_c$ | 4 mm |

| | |
|---|----------------------------------|
| Corner radius R_1 | 1 mm |
| No. of teeth Z | 2 |
| L_2 | 40 mm |
| Overhang length L_1 incl. recess | 16 mm |
| Feed f_z for copy milling in graphite | 0.034 mm |
| Shank $\varnothing D_s$ | 6 mm |
| Flute length L_c | 3 mm |
| Overall length L | 80 mm |
| Shank | DIN 6535 HA to h6 |
| Helix angle | 30 degrees |
| Coating | Diamond |
| Tool material | Solid carbide |
| Standard | Manufacturer's standard |
| Tolerance nominal \varnothing | e8 |
| Direction of infeed | horizontal, oblique and vertical |
| Cutting width a_e for milling operation | 0.05×D for copy milling |
| Cutting width a_e for milling operation | 0.5×D for side milling |
| Through-coolant | no |
| Shank tolerance | h6 |
| Colour ring | black |
| Type of product | End mill |

Services

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