

Garant
Solid carbide torus cutter, DLC, Ø e8 DC / R1: 10/3,0mm

Order data

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|--------------|---------------|
| Order number | 206075 10/3,0 |
| GTIN | 4045197766588 |
| Item class | 11X |

Description
Version:

With the latest generation of **DLC coating sp²**.

With **double relief ground side clearance angle and corner radius**.

High stability due to **strengthened core**.

Tolerance: **R₁ = ±0.01 mm**.

Technical description

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| Cutting edge Ø D _c | 10 mm |
| Corner radius R ₁ | 3 mm |
| No. of teeth Z | 2 |
| Feed f _z for side milling in short-chipping aluminium | 0.05 mm |
| Feed f _z for copy milling in short-chipping aluminium | 0.056 mm |
| Overhang length L ₁ incl. recess | 110 mm |
| Flute length L _c | 11 mm |
| Shank Ø D _s | 10 mm |
| Overall length L | 150 mm |
| Recess Ø D ₁ | 9.2 mm |
| Shank | DIN 6535 HA to h6 |
| Helix angle | 30 degrees |
| Coating | DLC |

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|---|----------------------------------|
| Tool material | solid carbide |
| Standard | Manufacturer's standard |
| Type | W |
| 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 | 0.1×D for side milling |
| Through-coolant | no |
| Colour ring | yellow |
| Type of product | Torus cutter |

User data

| | Suitability | V_c | ISO code |
|----------------------------|-------------|-----------|----------|
| Aluminium | Suitable | 180 m/min | N |
| Aluminium (short chipping) | suitable | 140 m/min | N |
| Alu > 10% Si | suitable | 105 m/min | N |
| PMMA acrylic | Suitable | 130 m/min | N |
| PE-HD | Suitable | 80 m/min | N |
| PA 66 | Suitable | 100 m/min | N |
| PEEK | Suitable | 80 m/min | N |
| PF 31 | Suitable | 70 m/min | N |
| PVDF GF20 | Suitable | 90 m/min | N |
| POM GF25 | Suitable | 80 m/min | N |
| PA 66 GF30 | Suitable | 70 m/min | N |
| PEEK GF30 | Suitable | 70 m/min | N |
| PTFE CF25 | Suitable | 80 m/min | N |
| Cu | Suitable | 100 m/min | N |
| CuZn | Suitable | 120 m/min | N |

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|-----------------------------------|---|
| wet maximum | suitable |
| wet minimum | suitable |
| dry | suitable only under restricted conditions |
| Air Services | Suitable |
| Shank grinding Type HB | 129100 HB |