

Garant
Solid carbide torus cutter, uncoated, \varnothing e8 DC / R1: 16/2,0mm

Order data

| | |
|--------------|---------------|
| Order number | 206040 16/2,0 |
| GTIN | 4045197122865 |
| Item class | 11X |

Description
Version:

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

High strength due to **strengthened core.**

Tolerance: $R_1 = \pm 0.01$ mm.

Technical description

| | |
|---|-------------------|
| Feed f_z for side milling in short-chipping aluminium | 0.09 mm |
| Feed f_z for copy milling in short-chipping aluminium | 0.1 mm |
| Corner radius R_1 | 2 mm |
| Cutting edge $\varnothing D_c$ | 16 mm |
| Overhang length L_1 incl. recess | 44 mm |
| No. of teeth Z | 2 |
| Recess $\varnothing D_1$ | 15 mm |
| Shank $\varnothing D_s$ | 16 mm |
| Flute length L_c | 16 mm |
| Overall length L | 92 mm |
| Shank | DIN 6535 HA to h6 |
| Helix angle | 30 degrees |
| Coating | uncoated |

| | |
|---|----------------------------------|
| 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 | 0.5×D for side milling |
| Cutting width a_e for milling operation | 0.05×D for copy milling |
| Through-coolant | no |
| Shank tolerance | h6 |
| 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 | 180 m/min | N |
| PE-HD | Suitable | 130 m/min | N |
| PA 66 | Suitable | 150 m/min | N |
| PEEK | Suitable | 130 m/min | N |
| PF 31 | Suitable | 110 m/min | N |
| Cu | Suitable | 80 m/min | N |
| CuZn | Suitable | 100 m/min | N |
| wet maximum | suitable | | |
| wet minimum | suitable only under restricted conditions | | |
| dry | suitable only under restricted conditions | | |

Air

suitable only under
restricted conditions

Services

Shank grinding Type HB

129100 HB