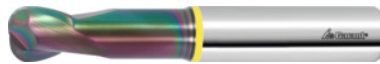


**Garant**
**Solid carbide torus cutter, DLC, Ø e8 DC / R1: 20/5,0 mm**

**Order data**

|              |               |
|--------------|---------------|
| Order number | 206065 20/5,0 |
| GTIN         | 4062406120399 |
| 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.**

With the latest generation of **DLC coating  $sp^2$ .**

No. of teeth Z: 2

Helix angle: 30 degrees

Shank: DIN 6535 HA to h6

No. of teeth Z: 2

Flute length  $L_c$ : 20 mm

Corner radius  $R_1$ : 5 mm

Overhang length  $L_1$  incl. recess: 54 mm

Recess Ø  $D_1$ : 19 mm

Overall length L: 104 mm

**Technical description**

|                                    |            |
|------------------------------------|------------|
| Shank Ø $D_s$                      | 20 mm      |
| No. of teeth Z                     | 2          |
| Helix angle                        | 30 degrees |
| Overall length L                   | 104 mm     |
| Overhang length $L_1$ incl. recess | 54 mm      |
| Corner radius $R_1$                | 5 mm       |
| Cutting edge Ø $D_c$               | 20 mm      |

|   |                                  |
|---|----------------------------------|
| Recess $\varnothing D_1$                                | 19 mm                            |
| Flute length $L_c$                                      | 20 mm                            |
| Shank   | DIN 6535 HA to h6                |
| Feed $f_z$ for copy milling in short-chipping aluminium | 0.15 mm                          |
| Feed $f_z$ for side milling in short-chipping aluminium | 0.12 mm                          |
| Coating   | DLC                              |
| 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               | 0.5×D for side milling           |
| Through-coolant   | no                               |
| Shank tolerance   | h6                               |
| Colour ring   | yellow                           |
| Type of product   | End mill                         |

## Services

|   |             |
|---|-------------|
| Shank clamping flats for shrink-fit chucks, with retainer function Shank $\varnothing$ tool 16 mm | SZ2025 16   |
| Shank recess Type FRST  | 209900 FRST |
| Shank grinding Type HB  | 129100 HB   |