

**Garant**
**Solid carbide torus cutter, DLC, Ø e8 DC / R1: 12/2,5 mm**

**Order data**

|              |               |
|--------------|---------------|
| Order number | 206075 12/2,5 |
| GTIN         | 4045197958563 |
| Item class   | 11X           |

**Description**
**Version:**

With the latest generation of **DLC coating sp<sup>2</sup>**.

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

**High stability** due to **strengthened core.**

Tolerance: **R<sub>1</sub> = ±0.01 mm.**

No. of teeth Z: 2

Helix angle: 30 degrees

Shank: DIN 6535 HA to h6

No. of teeth Z: 2

Flute length L<sub>c</sub>: 12 mm

Corner radius R<sub>1</sub>: 2.5 mm

Overhang length L<sub>1</sub> incl. recess: 115 mm

Recess Ø D<sub>1</sub>: 11 mm

Overall length L: 160 mm

**Technical description**

|   |            |
|---|------------|
| Overall length L                            | 160 mm     |
| Recess Ø D <sub>1</sub>                     | 11 mm      |
| Cutting edge Ø D <sub>c</sub>               | 12 mm      |
| Helix angle                                 | 30 degrees |
| No. of teeth Z                              | 2          |
| Overhang length L <sub>1</sub> incl. recess | 115 mm     |
| Shank Ø D <sub>s</sub>                      | 12 mm      |

|   |                                  |
|---|----------------------------------|
| Feed $f_z$ for copy milling in short-chipping aluminium | 0.079 mm                         |
| Flute length $L_c$                                      | 12 mm                            |
| Corner radius $R_1$                                     | 2.5 mm                           |
| Shank   | DIN 6535 HA to h6                |
| Feed $f_z$ for side milling in short-chipping aluminium | 0.07 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               | 0.1×D for side milling           |
| Through-coolant   | no                               |
| Colour ring   | yellow                           |
| Type of product   | End mill                         |

## Services

|   |           |
|---|-----------|
| Shank clamping flats for shrink-fit chucks, with retainer function Shank $\varnothing$ tool 12 mm | SZ2025 12 |
| Shank grinding Type HB  | 129100 HB |