

**Garant**
**Solid carbide torus cutter HPC, TiAlN, Ø f8 DC / RS1: 12/0,5 mm**

**Order data**

|              |               |
|--------------|---------------|
| Order number | 206510 12/0,5 |
| GTIN         | 4045197655653 |
| Item class   | 11X           |

**Description**
**Version:**

**Special coating** for the best tool life and high metal removal rates.

For milling **Ni-based alloys**.

No. of teeth Z: 6

Helix angle: 50 degrees

Shank: DIN 6535 HA to h6

Balance quality with shank: G 2.5 with HA

No. of teeth Z: 6

Flute length  $L_c$ : 28 mm

Corner radius  $R_1$ : 0.5 mm

Overall length L: 83 mm

Shank  $\varnothing D_s$ : 12 mm

Feed  $f_z$  for copy milling in Inconel®: 0.051 mm

**Technical description**

|   |          |
|---|----------|
| Cutting edge $\varnothing D_c$          | 12 mm    |
| Corner radius $R_1$                     | 0.5 mm   |
| Feed $f_z$ for copy milling in Inconel® | 0.051 mm |
| No. of teeth Z                          | 6        |
| Shank $\varnothing D_s$                 | 12 mm    |
| Flute length $L_c$                      | 28 mm    |
| Overall length L                        | 83 mm    |

|   |                                  |
|---|----------------------------------|
| Balance quality with shank                | G 2.5 with HA                    |
| Shank                                     | DIN 6535 HA to h6                |
| Helix angle                               | 50 degrees                       |
| Coating                                   | TiAlN                            |
| Tool material                             | Solid carbide                    |
| Standard                                  | DIN 6527                         |
| Type                                      | N                                |
| Tolerance nominal $\varnothing$           | f8                               |
| Spacing of the cutters                    | unequal spacing                  |
| 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 | 0.2×D for side milling           |
| Through-coolant                           | no                               |
| Machining strategy                        | HPC                              |
| Shank tolerance                           | h6                               |
| Colour ring                               | pink                             |
| Type of product                           | End mill                         |

## Services

|   |             |
|---|-------------|
| Shank recess Type FRST  | 209900 FRST |
| Shank clamping flats for shrink-fit chucks, with retainer function Shank $\varnothing$ tool 12 mm | SZ2025 12   |
| Shank grinding Type HB  | 129100 HB   |