


**Solid carbide torus cutter HPC DIN 6535 HB, TiSi, Ø DC / R1: 12/2,0 mm**

**Order data**

|              |               |
|--------------|---------------|
| Order number | 206353 12/2,0 |
| GTIN         | 4045197540331 |
| Item class   | 12X           |

**Description**
**Version:**

Dimensions to factory standard and 35° spiral.

**Special TiSi coating.**

With balancing speed G 2.5.

**Note:**
**NEW GENERATION AVAILABLE!**

**Recommended successor product is No. 206348**

No. of teeth Z: 4

Helix angle: 35 degrees

Shank: DIN 6535 HB to h6

No. of teeth Z: 4

Flute length  $L_c$ : 26 mm

Corner radius  $R_1$ : 2 mm

Overhang length  $L_1$  incl. recess: 36 mm

Recess Ø  $D_1$ : 11.6 mm

Overall length L: 83 mm

**Technical description**

|  |          |
|--|----------|
| No. of teeth Z   | 4        |
| Cutting edge Ø $D_c$   | 12 mm    |
| Feed $f_z$ for copy milling in stainless steel > 900 N/mm <sup>2</sup> | 0.07 mm  |
| Feed $f_z$ for side milling in INOX > 900 N/mm <sup>2</sup>            | 0.056 mm |
| Recess Ø $D_1$   | 11.6 mm  |

|   |                                  |
|---|----------------------------------|
| Corner radius $R_1$                       | 2 mm                             |
| Overhang length $L_1$ incl. recess        | 36 mm                            |
| Shank $\varnothing D_s$                   | 12 mm                            |
| Flute length $L_c$                        | 26 mm                            |
| Overall length $L$                        | 83 mm                            |
| Shank                                     | DIN 6535 HB to h6                |
| Helix angle                               | 35 degrees                       |
| Coating                                   | TiSi                             |
| Tool material                             | Solid carbide                    |
| Standard                                  | Manufacturer's standard          |
| Type                                      | N                                |
| Tolerance nominal $\varnothing$           | f8                               |
| Helix angle characteristic                | unequal spacing                  |
| Spacing of the cutters                    | unequal spacing                  |
| Direction of infeed                       | horizontal, oblique and vertical |
| Cutting width $a_e$ for milling operation | $0.3 \times D$ for side milling  |
| Cutting width $a_e$ for milling operation | $0.05 \times D$ for copy milling |
| Through-coolant                           | no                               |
| Machining strategy                        | HPC                              |
| Shank tolerance                           | h6                               |
| Colour ring                               | blue                             |
| 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   |