

**Garant**
**Solid carbide torus cutter, TiAlN, Ø e8 DC / R1: 6/1,0 mm**

**Order data**

Order number	206300 6/1,0
GTIN	4045197124302
Item class	11X

**Description**
**Version:**

With **double relief ground side clearance angle**.

Tolerance: Corner radius  $R_1 = \pm 0.005 \text{ mm}$ .

**Application:**

Especially for **high speed machining** in **mould and tool making** for **copy milling**. Excellent results when **milling dry**.

**Note:**

**NEW GENERATION AVAILABLE!**

**Recommended successor product is No. 206335.**

No. of teeth Z: 4

Helix angle: 30 degrees

Shank: DIN 6535 HA to h6

No. of teeth Z: 4

Flute length  $L_c$ : 7 mm

Corner radius  $R_1$ : 1 mm

Overhang length  $L_1$  incl. recess: 44 mm

Recess Ø  $D_1$ : 5.5 mm

Overall length L: 80 mm

**Technical description**

Overhang length $L_1$ incl. recess	44 mm
Cutting edge Ø $D_c$	6 mm
Recess Ø $D_1$	5.5 mm
Feed $f_z$ for side milling in steel < 1100 N/mm <sup>2</sup>	0.02 mm

Feed $f_z$ for copy milling in steel $< 1100 \text{ N/mm}^2$	0.023 mm
Corner radius $R_1$	1 mm
No. of teeth $Z$	4
Shank $\varnothing D_s$	6 mm
Flute length $L_c$	7 mm
Overall length $L$	80 mm
Shank	DIN 6535 HA to h6
Helix angle	30 degrees
Coating	TiAlN
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	H
Tolerance nominal $\varnothing$	e8
Direction of infeed	horizontal, oblique and vertical
Cutting width $a_e$ for milling operation	$0.05 \times D$ for copy milling
Cutting width $a_e$ for milling operation	$0.2 \times D$ for side milling
Through-coolant	no
Shank tolerance	h6
Colour ring	without
Type of product	End mill

## Services

Shank recess Type FRST	209900 FRST
Shank grinding Type HB	129100 HB