


**Solid carbide torus cutter HPC DIN 6535 HB, TiSi, Ø DC / R1: 16/1,0 mm**

**Order data**

Order number	206353 16/1,0
GTIN	4045197540355
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  $L_c$ : 36 mm

Corner radius  $R_1$ : 1 mm

Overhang length  $L_1$  incl. recess: 42 mm

Recess Ø  $D_1$ : 15.5 mm

Overall length L: 92 mm

**Technical description**

Corner radius $R_1$	1 mm
Cutting edge Ø $D_c$	16 mm
No. of teeth Z	4
Feed $f_z$ for copy milling in stainless steel > 900 N/mm <sup>2</sup>	0.096 mm
Feed $f_z$ for side milling in INOX > 900 N/mm <sup>2</sup>	0.078 mm

Overhang length $L_1$ incl. recess	42 mm
Recess $\varnothing D_1$	15.5 mm
Shank $\varnothing D_s$	16 mm
Flute length $L_c$	36 mm
Overall length $L$	92 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 16 mm	SZ2025 16