


**Solid carbide torus cutter HPC DIN 6535 HB, TiSi, Ø DC / R1: 12/0,5 mm**

**Order data**

Order number	206353 12/0,5
GTIN	4045197540317
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  $R_1$ : 0.5 mm

Overhang length  $L_1$  incl. recess: 36 mm

Recess Ø  $D_1$ : 11.6 mm

Overall length L: 83 mm

**Technical description**

Recess Ø $D_1$	11.6 mm
Cutting edge Ø $D_c$	12 mm
Corner radius $R_1$	0.5 mm
Feed $f_z$ for copy milling in stainless steel > 900 N/mm <sup>2</sup>	0.08 mm
Overhang length $L_1$ incl. recess	36 mm

No. of teeth Z	4
Feed $f_z$ for side milling in INOX > 900 N/mm <sup>2</sup>	0.065 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	0.3xD for side milling
Cutting width $a_e$ for milling operation	0.05xD 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