

**Garant**
**Solid carbide torus cutter HPC DIN 6535 HA, TiAlN, Ø DC / R1: 12/4,0 mm**

**Order data**

Order number	206351 12/4,0
GTIN	4045197542366
Item class	11X

**Description**
**Version:**

Dimensions to DIN 6527 and 38° flutes.

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

**Note:**

**NEW GENERATION AVAILABLE!**

**Recommended successor product is No. 206345**

No. of teeth Z: 4

Helix angle: 38 degrees

Shank: DIN 6535 HA to h6

No. of teeth Z: 4

Flute length  $L_c$ : 26 mm

Corner radius  $R_1$ : 4 mm

Overhang length  $L_1$  incl. recess: 38 mm

Recess Ø  $D_1$ : 11.5 mm

Overall length L: 83 mm

**Technical description**

No. of teeth Z	4
Corner radius $R_1$	4 mm
Feed $f_z$ for side milling in INOX > 900 N/mm <sup>2</sup>	0.052 mm
Feed $f_z$ for copy milling in stainless steel > 900 N/mm <sup>2</sup>	0.064 mm
Overhang length $L_1$ incl. recess	38 mm
Recess Ø $D_1$	11.5 mm

Cutting edge $\varnothing D_c$	12 mm
Shank $\varnothing D_s$	12 mm
Flute length $L_c$	26 mm
Overall length $L$	83 mm
Shank	DIN 6535 HA to h6
Helix angle	38 degrees
Coating	TiAlN
Tool material	Solid carbide
Standard	DIN 6527
Type	N
Tolerance nominal $\varnothing$	e8
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×D for side milling
Cutting width $a_e$ for milling operation	0.05×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
Shank grinding Type HB	129100 HB