

**Garant**
**Solid carbide torus cutter HPC DIN 6535 HA, TiAlN, Ø DC / R1: 4/0,5 mm**

**Order data**

Order number	206351 4/0,5
GTIN	4045197542175
Item class	11X

**Description**
**Version:**

Dimensions to DIN 6527 and 38° flutes.

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

**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  $L_c$ : 12 mm

Corner radius  $R_1$ : 0.5 mm

Overhang length  $L_1$  incl. recess: 16 mm

Recess  $\varnothing D_1$ : 3.6 mm

Overall length L: 57 mm

**Technical description**

No. of teeth Z	4
Feed $f_z$ for side milling in INOX > 900 N/mm <sup>2</sup>	0.014 mm
Recess $\varnothing D_1$	3.6 mm
Feed $f_z$ for copy milling in stainless steel > 900 N/mm <sup>2</sup>	0.018 mm
Corner radius $R_1$	0.5 mm
Cutting edge $\varnothing D_c$	4 mm

Overhang length $L_1$ incl. recess	16 mm
Shank $\varnothing D_s$	6 mm
Flute length $L_c$	12 mm
Overall length $L$	57 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	$0.3 \times D$ 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 grinding Type HB	129100 HB
------------------------	-----------