

## Garant

### GARANT Master INOX solid carbide torus cutter HPC DIN 6535 HA, TiAlN, Ø DC / R1: 6/1,0 mm



#### Order data

Order number	206345 6/1,0
GTIN	4045197851994
Item class	11X

#### Description

##### Version:

Dimensions similar to DIN 6527.

HPC milling cutter with **newly developed high-performance coating**.

For **outstanding tool life** and **optimum metal removal rate** in a very wide range of stainless steels.

Can be used at **high cutting speeds**, particularly suitable even for TOOLOX®.

##### Advantage:

**Greater oxidation resistance and high-temperature hardness.**

No. of teeth Z: 4

Helix angle: 40 degrees

Shank: DIN 6535 HA to h6

No. of teeth Z: 4

Flute length  $L_c$ : 13 mm

Corner radius  $R_1$ : 1 mm

Overhang length  $L_1$  incl. recess: 21 mm

Recess  $\varnothing D_1$ : 5.5 mm

Overall length L: 57 mm

#### Technical description

Corner radius $R_1$	1 mm
Feed $f_z$ for side milling in INOX > 900 N/mm <sup>2</sup>	0.03 mm
Recess $\varnothing D_1$	5.5 mm
Overall length L	57 mm

Flute length $L_c$	13 mm
Shank	DIN 6535 HA to h6
No. of teeth Z	4
Overhang length $L_1$ incl. recess	21 mm
Cutting edge $\varnothing D_c$	6 mm
Shank $\varnothing D_s$	6 mm
Feed $f_z$ for copy milling in stainless steel $> 900 \text{ N/mm}^2$	0.037 mm
Helix angle	40 degrees
Series	GARANT Master INOX
Coating	TiAlN
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	N
Tolerance nominal $\varnothing$	h10
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
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