

## Garant

### GARANT Master INOX solid carbide torus cutter HPC DIN 6535 HA, TiAlN, Ø DC / R1: 12/1,5 mm



## Order data

Order number	206345 12/1,5
GTIN	4045197852151
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  $L_c$ : 26 mm

Corner radius  $R_1$ : 1.5 mm

Overhang length  $L_1$  incl. recess: 38 mm

Recess Ø  $D_1$ : 11.5 mm

Overall length L: 83 mm

## Technical description

Feed $f_z$ for side milling in INOX > 900 N/mm <sup>2</sup>	0.058 mm
Shank	DIN 6535 HA to h6
Flute length $L_c$	26 mm
No. of teeth Z	4

Cutting edge $\varnothing D_c$	12 mm
Overall length L	83 mm
Feed $f_z$ for copy milling in stainless steel $> 900 \text{ N/mm}^2$	0.072 mm
Shank $\varnothing D_s$	12 mm
Recess $\varnothing D_1$	11.5 mm
Corner radius $R_1$	1.5 mm
Overhang length $L_1$ incl. recess	38 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 clamping flats for shrink-fit chucks, with retainer function Shank $\varnothing$ tool 12 mm	SZ2025 12
Shank grinding Type HB	129100 HB

