

## Garant

### GARANT Master INOX solid carbide torus cutter HPC DIN 6535 HA, TiAlN, Ø DC / R1: 12/4,0 mm



#### Order data

Order number	206345 12/4,0
GTIN	4045197852199
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  $R_1$ : 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
Flute length $L_c$	26 mm
Shank	DIN 6535 HA to h6
Shank Ø $D_s$	12 mm

Overall length L	83 mm
Cutting edge $\varnothing D_c$	12 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
Corner radius $R_1$	4 mm
Recess $\varnothing D_1$	11.5 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×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 clamping flats for shrink-fit chucks, with retainer function Shank $\varnothing$ tool 12 mm	SZ2025 12
Shank grinding Type HB	129100 HB

