

Garant

GARANT Master INOX solid carbide torus cutter HPC DIN 6535 HA, TiAlN, Ø DC / R1: 12/1,0 mm



Order data

Order number	206345 12/1,0
GTIN	4045197852144
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 mm

Overhang length L_1 incl. recess: 38 mm

Recess $\varnothing D_1$: 11.5 mm

Overall length L: 83 mm

Technical description

Recess $\varnothing D_1$	11.5 mm
Overhang length L_1 incl. recess	38 mm
Flute length L_c	26 mm
Cutting edge $\varnothing D_c$	12 mm

Feed f_z for side milling in INOX > 900 N/mm ²	0.06 mm
No. of teeth Z	4
Shank $\varnothing D_s$	12 mm
Corner radius R_1	1 mm
Shank	DIN 6535 HA to h6
Feed f_z for copy milling in stainless steel > 900 N/mm ²	0.075 mm
Overall length L	83 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

