

Garant
GARANT Master Ni-Based torus cutter HPC, TiAlN, Ø DC / R1: 5/1,0 mm

Order data

Order number	206371 5/1,0
GTIN	4062406565244
Item class	11Z

Description
Version:

Innovative substrate specially for machining **nickel-based alloys**. Newly developed coating.

Application:

For milling **nickel-based alloys with high red hardness**.

No. of teeth Z: 4

Helix angle: 35 degrees

Shank: DIN 6535 HB 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: 18 mm

Recess Ø D_1 : 4.8 mm

Overall length L: 57 mm

Technical description

Corner radius R_1	1 mm
Overall length L	57 mm
Flute length L_c	13 mm
Cutting edge Ø D_c	5 mm
No. of teeth Z	4
Helix angle	35 degrees
Recess Ø D_1	4.8 mm

Shank $\varnothing D_s$	6 mm
Shank	DIN 6535 HB to h6
Overhang length L_1 incl. recess	18 mm
Feed f_z for side milling in Inconel®	0.022 mm
Series	GARANT Master Titan
Coating	TiAlN
Tool material	Solid carbide
Standard	DIN 6527
Type	N
Tolerance nominal \varnothing	f8
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	pink
Type of product	End mill

Services

Shank grinding Type HB	129100 HB
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