

Garant
GARANT Master Ni-Based torus cutter HPC, TiAlN, Ø f8 DC / R1: 6/0,5 mm

Order data

Order number	206373 6/0,5
GTIN	4062406565381
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**.

For finishing operations.

No. of teeth Z: 6

Helix angle: 50 degrees

Shank: DIN 6535 HA to h6

No. of teeth Z: 6

Flute length L_c : 19 mm

Corner radius R_1 : 0.5 mm

Overhang length L_1 incl. recess: 25 mm

Recess Ø D_1 : 5.8 mm

Overall length L: 63 mm

Technical description

Shank	DIN 6535 HA to h6
Helix angle	50 degrees
Overhang length L_1 incl. recess	25 mm
Cutting edge Ø D_c	6 mm
No. of teeth Z	6
Shank Ø D_s	6 mm
Flute length L_c	19 mm

Recess Ø D ₁	5.8 mm
Overall length L	63 mm
Corner radius R ₁	0.5 mm
Feed f _z for side milling in Inconel®	0.03 mm
Series	GARANT Master Titan
Coating	TiAlN
Tool material	Solid carbide
Standard	DIN 6527
Type	N
Tolerance nominal Ø	e8
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	Full slot cutting depth 1×D
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