

Garant
GARANT Master Ni-Based torus cutter HPC, TiAlN, Ø f8 DC / R1: 12/0,5 mm

Order data

Order number	206373 12/0,5
GTIN	4062406565442
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 : 37 mm

Corner radius R_1 : 0.5 mm

Overhang length L_1 incl. recess: 47 mm

Recess Ø D_1 : 11.8 mm

Overall length L: 94 mm

Technical description

Helix angle	50 degrees
Flute length L_c	37 mm
Corner radius R_1	0.5 mm
Overall length L	94 mm
Cutting edge Ø D_c	12 mm
Shank	DIN 6535 HA to h6
Shank Ø D_s	12 mm

Overhang length L_1 incl. recess	47 mm
Recess $\varnothing D_1$	11.8 mm
No. of teeth Z	6
Feed f_z for side milling in Inconel®	0.05 mm
Series	GARANT Master Titan
Coating	TiAlN
Tool material	Solid carbide
Standard	DIN 6527
Type	N
Tolerance nominal $\varnothing$	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 $1 \times D$
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	pink
Type of product	End mill