

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

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.

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 $\varnothing D_c$	12 mm
Shank	DIN 6535 HA to h6
Shank $\varnothing D_s$	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	Master Ni-based

Coating	TiAlN
Tool material	Solid carbide
Standard	Manufacturer's standard
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	Torus cutter

User data

	Suitability	V_c	ISO code
Inconel	suitable	50 m/min	S
wet maximum	suitable		