

Garant
GARANT Master Ni-Based torus cutter HPC, TiAlN, Ø DC / R1: 10/2,0 mm

Order data

Order number	206371 10/2,0
GTIN	4062406565305
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 : 22 mm

Corner radius R_1 : 2 mm

Overhang length L_1 incl. recess: 32 mm

Recess $\varnothing D_1$: 9.7 mm

Overall length L: 72 mm

Technical description

Shank $\varnothing D_s$	10 mm
Overhang length L_1 incl. recess	32 mm
Cutting edge $\varnothing D_c$	10 mm
Corner radius R_1	2 mm
No. of teeth Z	4
Helix angle	35 degrees
Recess $\varnothing D_1$	9.7 mm

Flute length L_c	22 mm
Shank	DIN 6535 HB to h6
Overall length L	72 mm
Feed f_z for side milling in Inconel®	0.042 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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