

Garant
GARANT Master Ni-Based torus cutter HPC, TiAlN, Ø DC / R1: 12/2,5 mm

Order data

Order number	206371 12/2,5
GTIN	4062406565336
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 : 26 mm

Corner radius R_1 : 2.5 mm

Overhang length L_1 incl. recess: 38 mm

Recess Ø D_1 : 11.6 mm

Overall length L: 83 mm

Technical description

Recess Ø D_1	11.6 mm
Shank	DIN 6535 HB to h6
Flute length L_c	26 mm
Corner radius R_1	2.5 mm
No. of teeth Z	4
Overhang length L_1 incl. recess	38 mm
Cutting edge Ø D_c	12 mm

Helix angle	35 degrees
Overall length L	83 mm
Shank $\varnothing D_s$	12 mm
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	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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