Garant

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



Order data

Order number	206371 12/0,5
GTIN	4062406565312
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: 0.5 mm
Overhang length L_1 incl. recess: 38 mm
Recess ⌀ D_1: 11.6 mm
Overall length L: 83 mm

Technical description

Helix angle	35 degrees
No. of teeth Z	4
Cutting edge ⌀ D_C	12 mm
Recess ⌀ D_1	11.6 mm
Flute length L_c	26 mm
Overall length L	83 mm
Overhang length L_1 incl. recess	38 mm

Corner radius R_1	0.5 mm
Shank ⌀ D_s	12 mm
Shank	DIN 6535 HB to h6
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 ⌀	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