

Garant

Solid carbide torus cutter HPC DIN 6535 HB, TiAlN, Ø DC / RS1: 12/1,0 mm



Order data

Order number	206358 12/1,0
GTIN	4045197527813
Item class	11X

Description

Version:

Special coating for the best tool life and high metal removal rate.

With balancing speed G2.5.

For milling **Ni-based alloys**, with 35° helix angle.

No. of teeth Z: 4

Helix angle: 35 degrees

Shank: DIN 6535 HB to h6

Balance quality with shank: G 2.5 with HB

No. of teeth Z: 4

Flute length L_c : 26 mm

Corner radius R_1 : 1 mm

Overall length L: 83 mm

Shank Ø D_s : 12 mm

Feed f_z for copy milling in Inconel®: 0.048 mm

Technical description

No. of teeth Z	4
Cutting edge Ø D_c	12 mm
Feed f_z for copy milling in Inconel®	0.048 mm
Corner radius R_1	1 mm
Shank Ø D_s	12 mm
Flute length L_c	26 mm
Overall length L	83 mm

Balance quality with shank	G 2.5 with HB
Shank	DIN 6535 HB to h6
Helix angle	35 degrees
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	0.05×D for copy milling
Cutting width a_e for milling operation	0.2×D for side milling
Through-coolant	no
Machining strategy	HPC
Shank tolerance	h6
Colour ring	pink
Type of product	End mill

Services

Shank recess Type FRST	209900 FRST
Shank clamping flats for shrink-fit chucks, with retainer function Shank \varnothing tool 12 mm	SZ2025 12