

## Garant

### Solid carbide torus cutter HPC DIN 6535 HB, TiAlN, Ø DC / RS1: 20/1,0 mm



## Order data

Order number	206358 20/1,0
GTIN	4045197527837
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  $L_c$ : 41 mm

Corner radius  $R_1$ : 1 mm

Overall length L: 104 mm

Shank Ø  $D_s$ : 20 mm

Feed  $f_z$  for copy milling in Inconel®: 0.077 mm

## Technical description

No. of teeth Z	4
Feed $f_z$ for copy milling in Inconel®	0.077 mm
Corner radius $R_1$	1 mm
Cutting edge Ø $D_c$	20 mm
Shank Ø $D_s$	20 mm
Flute length $L_c$	41 mm
Overall length L	104 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 20 mm	SZ2025 20