

Garant
Solid carbide torus cutter HPC DIN 6535 HA, TiAlN, Ø DC / R1: 12/1,0 mm

Order data

Order number	206351 12/1,0
GTIN	4045197542335
Item class	11X

Description
Version:

Dimensions to DIN 6527 and 38° flutes.

Tolerance: Corner radius $R_1 = \pm 0.005 \text{ mm}$.

Note:

NEW GENERATION AVAILABLE!

Recommended successor product is No. 206345

No. of teeth Z: 4

Helix angle: 38 degrees

Shank: DIN 6535 HA to h6

No. of teeth Z: 4

Flute length L_c : 26 mm

Corner radius R_1 : 1 mm

Overhang length L_1 incl. recess: 38 mm

Recess $\varnothing D_1$: 11.5 mm

Overall length L: 83 mm

Technical description

No. of teeth Z	4
Feed f_z for copy milling in stainless steel $> 900 \text{ N/mm}^2$	0.075 mm
Recess $\varnothing D_1$	11.5 mm
Cutting edge $\varnothing D_c$	12 mm
Feed f_z for side milling in INOX $> 900 \text{ N/mm}^2$	0.06 mm
Corner radius R_1	1 mm

Overhang length L_1 incl. recess	38 mm
Shank $\varnothing D_s$	12 mm
Flute length L_c	26 mm
Overall length L	83 mm
Shank	DIN 6535 HA to h6
Helix angle	38 degrees
Coating	TiAlN
Tool material	Solid carbide
Standard	DIN 6527
Type	N
Tolerance nominal \varnothing	e8
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	$0.3 \times D$ for side milling
Cutting width a_e for milling operation	$0.05 \times D$ for copy milling
Through-coolant	no
Machining strategy	HPC
Shank tolerance	h6
Colour ring	blue
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
Shank grinding Type HB	129100 HB