

Garant
GARANT Master Steel solid carbide torus cutter HPC, TiAlN, Ø DC / R1: 20/1,0 mm

Order data

Order number	206359 20/1,0
GTIN	4045197943569
Item class	11X

Description
Version:

Dimensions to DIN 6527 and 38° flutes.

Tolerance: Corner radius $R_1 = \pm 0.01 \text{ mm}$.

Advantage:

HPC milling cutters with various corner radii for all radial transitions.

Optimised flute form, eccentric relief ground, wide chip space.

No. of teeth Z: 4

Helix angle: 38 degrees

Shank: DIN 6535 HB to h6

No. of teeth Z: 4

Flute length L_c : 41 mm

Corner radius R_1 : 1 mm

Overhang length L_1 incl. recess: 74 mm

Recess $\varnothing D_1$: 19.5 mm

Overall length L: 126 mm

Technical description

Feed f_z for slot milling in steel $< 900 \text{ N/mm}^2$	0.1 mm
Feed f_z for side milling in steel $< 900 \text{ N/mm}^2$	0.13 mm
Corner radius R_1	1 mm
Shank	DIN 6535 HB to h6
Shank $\varnothing D_s$	20 mm

Helix angle	38 degrees
Flute length L_c	41 mm
Cutting edge $\varnothing D_c$	20 mm
No. of teeth Z	4
Recess $\varnothing D_1$	19.5 mm
Overhang length L_1 incl. recess	74 mm
Overall length L	126 mm
Series	GARANT Master Steel
Coating	TiAlN
Tool material	Solid carbide
Standard	Manufacturer's standard
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	Full slot cutting depth $1 \times D$
Cutting width a_e for milling operation	$0.3 \times D$ for side milling
Through-coolant	no
Machining strategy	HPC
Colour ring	green
Type of product	End mill