

Garant
GARANT Master Steel solid carbide torus cutter HPC, TiAlN, Ø DC / R1: 20/2,0 mm

Order data

Order number	206354 20/2,0
GTIN	4045197778840
Item class	11X

Description
Version:

Tolerance: Corner radius $R_1 = \pm 0.01$ 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 : 2 mm

Overhang length L_1 incl. recess: 52 mm

Recess $\varnothing D_1$: 19.8 mm

Overall length L: 104 mm

Technical description

Flute length L_c	41 mm
Overall length L	104 mm
Recess $\varnothing D_1$	19.8 mm
Cutting edge $\varnothing D_c$	20 mm
Overhang length L_1 incl. recess	52 mm
Feed f_z for side milling in steel < 900 N/mm ²	0.13 mm

Shank $\varnothing D_s$	20 mm
Corner radius R_1	2 mm
No. of teeth Z	4
Feed f_z for slot milling in steel < 900 N/mm ²	0.1 mm
Shank	DIN 6535 HB to h6
Helix angle	38 degrees
Series	GARANT Master Steel
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	Full slot cutting depth 1×D
Cutting width a_e for milling operation	0.3×D for side milling
Through-coolant	no
Machining strategy	HPC
Colour ring	green
Type of product	End mill

Services

Shank clamping flats for shrink-fit chucks, with retainer function Shank \varnothing tool 20 mm

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