

Garant
GARANT Master Steel solid carbide torus cutter HPC, TiAlN, Ø DC / R1: 10/0,5 mm

Order data

Order number	206359 10/0,5
GTIN	4045197943422
Item class	11X

Description
Version:

Dimensions to DIN 6527 and 38° flutes.

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 : 22 mm

Corner radius R_1 : 0.5 mm

Overhang length L_1 incl. recess: 38 mm

Recess Ø D_1 : 9.7 mm

Overall length L: 80 mm

Technical description

Cutting edge Ø D_c	10 mm
Recess Ø D_1	9.7 mm
Overhang length L_1 incl. recess	38 mm
Feed f_z for slot milling in steel < 900 N/mm ²	0.06 mm
Helix angle	38 degrees

Overall length L	80 mm
Flute length L _c	22 mm
Feed f _z for side milling in steel < 900 N/mm ²	0.08 mm
Shank Ø D _s	10 mm
No. of teeth Z	4
Corner radius R ₁	0.5 mm
Shank	DIN 6535 HB to h6
Series	GARANT Master Steel
Coating	TiAlN
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	N
Tolerance nominal Ø	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