

Garant
GARANT Master Steel solid carbide torus cutter HPC, TiAlN, Ø DC / R1: 12/1,5 mm

Order data

Order number	206359 12/1,5
GTIN	4045197943491
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 : 26 mm

Corner radius R_1 : 1.5 mm

Overhang length L_1 incl. recess: 46 mm

Recess $\varnothing D_1$: 11.6 mm

Overall length L: 93 mm

Technical description

Shank	DIN 6535 HB to h6
No. of teeth Z	4
Overhang length L_1 incl. recess	46 mm
Flute length L_c	26 mm
Feed f_z for side milling in steel < 900 N/mm ²	0.09 mm
Feed f_z for slot milling in steel < 900 N/mm ²	0.07 mm

Overall length L	93 mm
Helix angle	38 degrees
Shank $\varnothing D_s$	12 mm
Recess $\varnothing D_1$	11.6 mm
Corner radius R_1	1.5 mm
Cutting edge $\varnothing D_c$	12 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