

Garant
GARANT Master Steel solid carbide torus cutter HPC, TiAlN, Ø DC / R1: 6/1,0 mm

Order data

Order number	206359 6/1,0
GTIN	4045197943286
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 : 13 mm

Corner radius R_1 : 1 mm

Overhang length L_1 incl. recess: 25 mm

Recess Ø D_1 : 5.8 mm

Overall length L: 62 mm

Technical description

Flute length L_c	13 mm
Cutting edge Ø D_c	6 mm
No. of teeth Z	4
Helix angle	38 degrees
Feed f_z for slot milling in steel < 900 N/mm ²	0.04 mm

Feed f_z for side milling in steel < 900 N/mm ²	0.05 mm
Corner radius R_1	1 mm
Shank	DIN 6535 HB to h6
Shank $\varnothing D_s$	6 mm
Overhang length L_1 incl. recess	25 mm
Overall length L	62 mm
Recess $\varnothing D_1$	5.8 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