

**Garant**
**GARANT Master Steel solid carbide torus cutter HPC, TiAlN, Ø DC / R1: 16/4,0 mm**

**Order data**

Order number	206354 16/4,0
GTIN	4045197778826
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  $L_c$ : 36 mm

Corner radius  $R_1$ : 4 mm

Overhang length  $L_1$  incl. recess: 42 mm

Recess Ø  $D_1$ : 15.8 mm

Overall length L: 92 mm

**Technical description**

Cutting edge Ø $D_c$	16 mm
Feed $f_z$ for side milling in steel < 900 N/mm <sup>2</sup>	0.1 mm
Recess Ø $D_1$	15.8 mm
Flute length $L_c$	36 mm
Shank Ø $D_s$	16 mm

Overall length L	92 mm
No. of teeth Z	4
Overhang length L <sub>1</sub> incl. recess	42 mm
Corner radius R <sub>1</sub>	4 mm
Feed f <sub>z</sub> for slot milling in steel < 900 N/mm <sup>2</sup>	0.08 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 Ø	f8
Helix angle characteristic	unequal spacing
Spacing of the cutters	unequal spacing
Direction of infeed	horizontal, oblique and vertical
Cutting width a <sub>e</sub> for milling operation	Full slot cutting depth 1×D
Cutting width a <sub>e</sub> 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 Ø tool 16 mm

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