

## Garant

### GARANT Master INOX solid carbide milling cutter HPC / TPC, TiAlN, Ø h10 DC: 6 mm



#### Order data

Order number	202999 6
GTIN	4062406233662
Item class	11X

#### Description

##### Version:

For **roughing and finishing**.

HPC milling cutter with **newly developed high-performance coating** for **outstanding tool life** and **optimum metal removal rate** in a very wide range of stainless steels. **Greater oxidation resistance** and **high-temperature hardness**.

Can be used at **high cutting speeds**, particularly suitable even for TOOLOX®.

With **internal coolant supply** for reliable chip evacuation.

##### Advantage:

Particularly low vibration running.

Tolerance nominal Ø: h10

No. of teeth Z: 4

Helix angle: 40 degrees

Direction of infeed: horizontal, oblique and vertical

Shank: DIN 6535 HB to h6

No. of teeth Z: 4

Flute length  $L_c$ : 13 mm

Overhang length  $L_1$  incl. recess: 23 mm

Recess Ø  $D_1$ : 5.6 mm

Overall length L: 57 mm

Shank Ø  $D_s$ : 6 mm

#### Technical description

Recess Ø $D_1$	5.6 mm
Overall length L	57 mm

Feed $f_z$ for side milling in INOX > 900 N/mm <sup>2</sup>	0.03 mm
Corner chamfer width at 45°	0.25 mm
Direction of infeed	horizontal, oblique and vertical
Shank $\varnothing D_s$	6 mm
Cutting edge $\varnothing D_c$	6 mm
Shank	DIN 6535 HB to h6
No. of teeth Z	4
Feed $f_z$ for slot milling in stainless steel > 900 N/mm <sup>2</sup>	0.025 mm
Overhang length $L_1$ incl. recess	23 mm
Tolerance nominal $\varnothing$	h10
Flute length $L_c$	13 mm
Helix angle	40 degrees
Corner chamfer angle	45 degrees
Series	GARANT Master INOX
Coating	TiAlN
Tool material	solid carbide
Standard	DIN 6527
Type	N
Helix angle characteristic	unequal spacing
Spacing of the cutters	unequal spacing
Cutting width $a_e$ for milling operation	Full slot cutting depth $1 \times D$
Cutting width $a_e$ for milling operation	$0.1 \times D$
Through-coolant	yes
Machining strategy	TPC
Machining strategy	HPC
Colour ring	blue
Type of product	End mill

