

## Garant

### GARANT Master INOX solid carbide milling cutter HPC / TPC, TiAlN, Ø h10 DC: 10 mm



#### Order data

Order number	202997 10
GTIN	4062406231606
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®.

##### 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  $L_c$ : 22 mm

Overhang length  $L_1$  incl. recess: 34 mm

Recess Ø  $D_1$ : 9.5 mm

Overall length L: 72 mm

Shank Ø  $D_s$ : 10 mm

#### Technical description

Feed $f_z$ for side milling in INOX > 900 N/mm <sup>2</sup>	0.045 mm
Corner chamfer width at 45°	0.1 mm
No. of teeth Z	4

Cutting edge $\varnothing D_c$	10 mm
Helix angle	40 degrees
Direction of infeed	horizontal, oblique and vertical
Feed $f_z$ for slot milling in stainless steel $> 900 \text{ N/mm}^2$	0.04 mm
Overhang length $L_1$ incl. recess	34 mm
Tolerance nominal $\varnothing$	h10
Shank $\varnothing D_s$	10 mm
Flute length $L_c$	22 mm
Recess $\varnothing D_1$	9.5 mm
Overall length $L$	72 mm
Shank	DIN 6535 HB to h6
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	no
Machining strategy	TPC
Machining strategy	HPC
Colour ring	blue
Type of product	End mill