

**Garant**
**GARANT Master INOX solid carbide milling cutter HPC, TiAlN, Ø h10 DC: 1 mm**

**Order data**

Order number	202389 1
GTIN	4045197942012
Item class	11X

**Description**
**Version:**
**For roughing and finishing**

HPC milling cutters with **newly developed high-performance coating** for **outstanding service life** and **optimum metal removal rates** in a wide range of stainless steels.

**Greater oxidation resistance** and **high-temperature hardness**.

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

Tolerance nominal Ø: h10

No. of teeth Z: 3

Helix angle: 40 degrees

Direction of infeed: horizontal, oblique and vertical

Shank: DIN 6535 HB to h6

No. of teeth Z: 3

Flute length  $L_c$ : 3 mm

Overhang length  $L_1$  incl. recess: 13 mm

Recess Ø  $D_1$ : 0.9 mm

Overall length L: 57 mm

Shank Ø  $D_s$ : 6 mm

**Technical description**

Flute length $L_c$	3 mm
Shank Ø $D_s$	6 mm
Tolerance nominal Ø	h10
Overall length L	57 mm
Direction of infeed	horizontal, oblique and vertical

Recess $\varnothing D_1$	0.9 mm
Shank	DIN 6535 HB to h6
Overhang length $L_1$ incl. recess	13 mm
Feed $f_z$ for slot milling in stainless steel $> 900 \text{ N/mm}^2$	0.01 mm
Helix angle	40 degrees
Feed $f_z$ for side milling in INOX $> 900 \text{ N/mm}^2$	0.012 mm
Corner chamfer width at $45^\circ$	0.05 mm
No. of teeth Z	3
Cutting edge $\varnothing D_c$	1 mm
Corner chamfer angle	45 degrees
Series	GARANT Master INOX
Coating	TiAlN
Tool material	Solid carbide
Standard	Manufacturer's standard
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	$0.3 \times D$ for side milling
Through-coolant	no
Machining strategy	HPC
Colour ring	blue
Type of product	End mill