

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

**Order data**

Order number	203011 6
GTIN	4045197851857
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  $L_c$ : 18 mm

Overhang length  $L_1$  incl. recess: 25 mm

Recess Ø  $D_1$ : 5.5 mm

Overall length L: 62 mm

Shank Ø  $D_s$ : 6 mm

**Technical description**

Overhang length $L_1$ incl. recess	25 mm
Recess Ø $D_1$	5.5 mm
Flute length $L_c$	18 mm

Direction of infeed	horizontal, oblique and vertical
Feed $f_z$ for slot milling in stainless steel $> 900 \text{ N/mm}^2$	0.025 mm
Tolerance nominal $\varnothing$	h10
Cutting edge $\varnothing D_c$	6 mm
Overall length L	62 mm
Corner chamfer width at $45^\circ$	0.25 mm
Shank	DIN 6535 HB to h6
No. of teeth Z	4
Shank $\varnothing D_s$	6 mm
Feed $f_z$ for side milling in INOX $> 900 \text{ N/mm}^2$	0.03 mm
Helix angle	40 degrees
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	$0.08 \times D$
Cutting width $a_e$ for milling operation	Full slot cutting depth $1 \times D$
Through-coolant	no
Machining strategy	HPC
Machining strategy	TPC
Colour ring	blue
Type of product	End mill