

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

**Order data**

Order number	202998 6
GTIN	4045197860941
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  $L_c$ : 10 mm

Overall length L: 54 mm

Shank Ø  $D_s$ : 6 mm

Corner chamfer width at 45°: 0.25 mm

Feed  $f_z$  for slot milling in stainless steel > 900 N/mm<sup>2</sup>: 0.025 mm

**Technical description**

Feed $f_z$ for side milling in INOX > 900 N/mm <sup>2</sup>	0.03 mm
Overall length L	54 mm
Direction of infeed	horizontal, oblique and vertical

Shank $\varnothing D_s$	6 mm
Shank	DIN 6535 HB to h6
Flute length $L_c$	10 mm
Tolerance nominal $\varnothing$	h10
Corner chamfer width at 45°	0.25 mm
Cutting edge $\varnothing D_c$	6 mm
Feed $f_z$ for slot milling in stainless steel > 900 N/mm <sup>2</sup>	0.025 mm
No. of teeth Z	4
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×D
Cutting width $a_e$ for milling operation	0.3×D for side milling
Through-coolant	no
Machining strategy	HPC
Colour ring	blue
Type of product	End mill