

## Garant

### GARANT Master INOX solid carbide milling cutter HPC, TiAlN, Ø h10 DC: 1,5 mm



#### Order data

Order number	202387 1,5
GTIN	4045197875105
Item class	11X

#### Description

##### Version:

Dimensions similar to **DIN 6527**.

##### 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  $L_c$ : 4 mm

Overhang length  $L_1$  incl. recess: 7.5 mm

Recess Ø  $D_1$ : 1.44 mm

Overall length L: 57 mm

Shank Ø  $D_s$ : 6 mm

#### Technical description

Shank Ø $D_s$	6 mm
Tolerance nominal Ø	h10
Recess Ø $D_1$	1.44 mm

No. of teeth Z	3
Cutting edge $\varnothing D_c$	1.5 mm
Corner chamfer width at 45°	0.05 mm
Feed $f_z$ for side milling in INOX > 900 N/mm <sup>2</sup>	0.012 mm
Overhang length $L_1$ incl. recess	7.5 mm
Feed $f_z$ for slot milling in stainless steel > 900 N/mm <sup>2</sup>	0.01 mm
Direction of infeed	horizontal, oblique and vertical
Overall length L	57 mm
Flute length $L_c$	4 mm
Shank	DIN 6535 HB to h6
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	0.5×D for side milling
Through-coolant	no
Machining strategy	HPC
Colour ring	blue
Type of product	End mill