

**Garant**
**GARANT Master INOX solid carbide milling cutter HPC, TiAlN, Ø h10 DC: 12 mm**

**Order data**

Order number	202387 12
GTIN	4045197875259
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  $L_c$ : 26 mm

Overhang length  $L_1$  incl. recess: 36 mm

Recess Ø  $D_1$ : 11.7 mm

Overall length L: 83 mm

Shank Ø  $D_s$ : 12 mm

**Technical description**

Shank Ø $D_s$	12 mm
No. of teeth Z	3
Feed $f_z$ for slot milling in stainless steel > 900 N/mm <sup>2</sup>	0.06 mm

Shank	DIN 6535 HB to h6
Recess $\varnothing D_1$	11.7 mm
Overall length L	83 mm
Flute length $L_c$	26 mm
Overhang length $L_1$ incl. recess	36 mm
Corner chamfer width at 45°	0.1 mm
Tolerance nominal $\varnothing$	h10
Cutting edge $\varnothing D_c$	12 mm
Direction of infeed	horizontal, oblique and vertical
Feed $f_z$ for side milling in INOX > 900 N/mm <sup>2</sup>	0.072 mm
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

## Services

Shank clamping flats for shrink-fit chucks, with retainer function Shank  $\varnothing$  tool 12 mm

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