

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

Order data

Order number	203011 12
GTIN	4045197851888
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: 36 mm

Overhang length L₁ incl. recess: 48 mm

Recess Ø D₁: 11.5 mm

Overall length L: 93 mm

Shank Ø D_s: 12 mm

Technical description

Recess Ø D ₁	11.5 mm
Direction of infeed	horizontal, oblique and vertical
No. of teeth Z	4

Flute length L_c	36 mm
Overall length L	93 mm
Feed f_z for side milling in INOX > 900 N/mm ²	0.05 mm
Feed f_z for slot milling in stainless steel > 900 N/mm ²	0.04 mm
Shank $\varnothing D_s$	12 mm
Shank	DIN 6535 HB to h6
Tolerance nominal \varnothing	h10
Corner chamfer width at 45°	0.25 mm
Overhang length L_1 incl. recess	48 mm
Cutting edge $\varnothing D_c$	12 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×D
Cutting width a_e for milling operation	Full slot cutting depth 1×D
Through-coolant	no
Machining strategy	HPC
Machining strategy	TPC
Colour ring	blue
Type of product	End mill

Services

SZ2025 12

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