

Garant
GARANT Master INOX solid carbide milling cutter HPC / TPC, TiAlN, Ø h10 DC: 10 mm

Order data

Order number	203011 10
GTIN	4045197851871
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: 30 mm

Overhang length L₁ incl. recess: 40 mm

Recess Ø D₁: 9.5 mm

Overall length L: 80 mm

Shank Ø D_s: 10 mm

Technical description

Shank	DIN 6535 HB to h6
Cutting edge Ø D _c	10 mm
Recess Ø D ₁	9.5 mm

Feed f_z for side milling in INOX > 900 N/mm ²	0.045 mm
Overhang length L_1 incl. recess	40 mm
Corner chamfer width at 45°	0.25 mm
No. of teeth Z	4
Flute length L_c	30 mm
Overall length L	80 mm
Tolerance nominal \varnothing	h10
Feed f_z for slot milling in stainless steel > 900 N/mm ²	0.04 mm
Direction of infeed	horizontal, oblique and vertical
Shank $\varnothing D_s$	10 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