

Garant

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



Order data

Order number	202999 10
GTIN	4062406233686
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®.

With **internal coolant supply** for reliable chip evacuation.

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 : 22 mm

Overhang length L_1 incl. recess: 34 mm

Recess Ø D_1 : 9.5 mm

Overall length L: 72 mm

Shank Ø D_s : 10 mm

Technical description

Cutting edge Ø D_c	10 mm
Direction of infeed	horizontal, oblique and vertical

No. of teeth Z	4
Shank	DIN 6535 HB to h6
Shank $\varnothing D_s$	10 mm
Tolerance nominal \varnothing	h10
Feed f_z for slot milling in stainless steel $> 900 \text{ N/mm}^2$	0.04 mm
Helix angle	40 degrees
Feed f_z for side milling in INOX $> 900 \text{ N/mm}^2$	0.045 mm
Recess $\varnothing D_1$	9.5 mm
Corner chamfer width at 45°	0.25 mm
Overall length L	72 mm
Flute length L_c	22 mm
Overhang length L_1 incl. recess	34 mm
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 $1 \times D$
Cutting width a_e for milling operation	$0.1 \times D$
Through-coolant	yes
Machining strategy	TPC
Machining strategy	HPC
Colour ring	blue
Type of product	End mill

