

Garant

GARANT Master INOX solid carbide milling cutter HPC / TPC, TiAlN, Ø h10 DC: 4 mm



Order data

Order number	202999 4
GTIN	4062406233648
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 : 11 mm

Overhang length L_1 incl. recess: 21 mm

Recess Ø D_1 : 3.8 mm

Overall length L: 57 mm

Shank Ø D_s : 6 mm

Technical description

Recess Ø D_1	3.8 mm
Tolerance nominal Ø	h10

Shank	DIN 6535 HB to h6
Overhang length L_1 incl. recess	21 mm
Corner chamfer width at 45°	0.15 mm
Helix angle	40 degrees
Feed f_z for side milling in INOX > 900 N/mm ²	0.015 mm
Cutting edge $\varnothing D_c$	4 mm
No. of teeth Z	4
Direction of infeed	horizontal, oblique and vertical
Overall length L	57 mm
Feed f_z for slot milling in stainless steel > 900 N/mm ²	0.012 mm
Flute length L_c	11 mm
Shank $\varnothing D_s$	6 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

