

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

Order data

Order number	202998 12
GTIN	4045197860972
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 : 16 mm

Overall length L: 73 mm

Shank Ø D_s : 12 mm

Corner chamfer width at 45°: 0.25 mm

Feed f_z for slot milling in stainless steel > 900 N/mm²: 0.04 mm

Technical description

Cutting edge Ø D_c	12 mm
Shank Ø D_s	12 mm

Feed f_z for side milling in INOX > 900 N/mm ²	0.05 mm
Flute length L_c	16 mm
Feed f_z for slot milling in stainless steel > 900 N/mm ²	0.04 mm
Overall length L	73 mm
Corner chamfer width at 45°	0.25 mm
Tolerance nominal \varnothing	h10
No. of teeth Z	4
Direction of infeed	horizontal, oblique and vertical
Shank	DIN 6535 HB to h6
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	0.3×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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