

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

Order data

Order number	202389 12
GTIN	4045197875341
Item class	11X

Description
Version:
For roughing and finishing

HPC milling cutters with **newly developed high-performance coating** for **outstanding service life** and **optimum metal removal rates** in a wide range of stainless steels.

Greater oxidation resistance and **high-temperature hardness.**

Can be used at **high cutting speeds**, particularly suitable even for TOOLOX®.

Tolerance nominal Ø: h10

No. of teeth Z: 3

Helix angle: 40 degrees

Direction of infeed: horizontal, oblique and vertical

Shank: DIN 6535 HB to h6

No. of teeth Z: 3

Flute length L_c : 36 mm

Overhang length L_1 incl. recess: 46 mm

Recess Ø D_1 : 11.7 mm

Overall length L: 93 mm

Shank Ø D_s : 12 mm

Technical description

Overall length L	93 mm
Shank Ø D_s	12 mm
Feed f_z for slot milling in stainless steel > 900 N/mm ²	0.06 mm
Tolerance nominal Ø	h10

Corner chamfer width at 45°	0.1 mm
Shank	DIN 6535 HB to h6
Flute length L_c	36 mm
Overhang length L_1 incl. recess	46 mm
Recess $\varnothing D_1$	11.7 mm
Cutting edge $\varnothing D_c$	12 mm
Direction of infeed	horizontal, oblique and vertical
Feed f_z for side milling in INOX > 900 N/mm ²	0.072 mm
No. of teeth Z	3
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	Full slot cutting depth 1xD
Cutting width a_e for milling operation	0.3xD 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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