

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

Order data

Order number	202999 12
GTIN	4062406233693
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 : 26 mm

Overhang length L_1 incl. recess: 40 mm

Recess Ø D_1 : 11.5 mm

Overall length L: 83 mm

Shank Ø D_s : 12 mm

Technical description

Feed f_z for side milling in INOX > 900 N/mm ²	0.05 mm
Overhang length L_1 incl. recess	40 mm

Direction of infeed	horizontal, oblique and vertical
Feed f_z for slot milling in stainless steel $> 900 \text{ N/mm}^2$	0.04 mm
No. of teeth Z	4
Cutting edge $\varnothing D_c$	12 mm
Shank	DIN 6535 HB to h6
Overall length L	83 mm
Flute length L_c	26 mm
Helix angle	40 degrees
Recess $\varnothing D_1$	11.5 mm
Tolerance nominal \varnothing	h10
Shank $\varnothing D_s$	12 mm
Corner chamfer width at 45°	0.25 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

Services

Shank clamping flats for shrink-fit chucks, with retainer
function Shank \varnothing tool 12 mm

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