

Garant
GARANT Master INOX solid carbide milling cutter HPC, TiAlN, Ø h10 DC: 20 mm

Order data

Order number	203006 20
GTIN	4045197851833
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 : 38 mm

Overhang length L_1 incl. recess: 70 mm

Recess Ø D_1 : 19.5 mm

Overall length L: 126 mm

Shank Ø D_s : 20 mm

Technical description

Corner chamfer width at 45°	0.35 mm
Tolerance nominal Ø	h10
Cutting edge Ø D_c	20 mm

Direction of infeed	horizontal, oblique and vertical
Feed f_z for slot milling in stainless steel $> 900 \text{ N/mm}^2$	0.07 mm
Feed f_z for side milling in INOX $> 900 \text{ N/mm}^2$	0.08 mm
Overhang length L_1 incl. recess	70 mm
Flute length L_c	38 mm
Shank $\varnothing D_s$	20 mm
Overall length L	126 mm
Recess $\varnothing D_1$	19.5 mm
No. of teeth Z	4
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	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 $1 \times D$
Cutting width a_e for milling operation	$0.3 \times D$ 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 20 mm

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