

Garant

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



Order data

Order number	203011 20
GTIN	4045197851901
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 : 60 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

Overhang length L_1 incl. recess	70 mm
Shank	DIN 6535 HB to h6
Cutting edge Ø D_c	20 mm

Shank $\varnothing D_s$	20 mm
Direction of infeed	horizontal, oblique and vertical
Overall length L	126 mm
No. of teeth Z	4
Tolerance nominal \varnothing	h10
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
Recess $\varnothing D_1$	19.5 mm
Flute length L_c	60 mm
Corner chamfer width at 45°	0.35 mm
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	$0.08 \times D$
Cutting width a_e for milling operation	Full slot cutting depth $1 \times D$
Through-coolant	no
Machining strategy	HPC
Machining strategy	TPC
Colour ring	blue
Type of product	End mill

Services

SZ2025 20

Shank clamping flats for shrink-fit chucks, with retainer
function Shank \varnothing tool 20 mm
