

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 L₁ incl. recess: 70 mm

Recess \emptyset D₁: 19.5 mm Overall length L: 126 mm Shank \emptyset D₅: 20 mm

Technical description

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

Feed f_z for slot milling in stainless steel > 900 N/mm² 0.07 mm Feed f_z for side milling in INOX > 900 N/mm² 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 Helix angle 40 degrees. Series GARANT Master Coating TiAIN Tool material Solid carbic Standard Manufacturer's standard Manufacturer's standard Type N Helix angle characteristic unequal space	
Overhang length L₁ incl. recess70 mmFlute length L₂38 mmShank Ø D₃20 mmOverall length L126 mmRecess Ø D₁19.5 mmNo. of teeth Z4ShankDIN 6535 HB tHelix angle40 degreesCorner chamfer angle45 degreesSeriesGARANT MasterCoatingTiAINTool materialSolid carbicStandardManufacturer's stTypeN	
Flute length L _c Shank Ø D _s Overall length L Recess Ø D₁ No. of teeth Z Shank Helix angle Corner chamfer angle Series Coating TiAlN Tool material Standard Type N 120 mm 126 mm 19.5 mm 19.5 mm 19.5 mm 4 A DIN 6535 HB t 40 degrees GARANT Master GARANT Master Solid carbic Standard Manufacturer's st Type	
Shank Ø D₅20 mmOverall length L126 mmRecess Ø D₁19.5 mmNo. of teeth Z4ShankDIN 6535 HB tHelix angle40 degreeCorner chamfer angle45 degreeSeriesGARANT MasterCoatingTiAINTool materialSolid carbicStandardManufacturer's stTypeN	
Overall length L126 mmRecess Ø D₁19.5 mmNo. of teeth Z4ShankDIN 6535 HB tHelix angle40 degreeCorner chamfer angle45 degreeSeriesGARANT MasterCoatingTiAINTool materialSolid carbicStandardManufacturer's stTypeN	
Recess Ø D ₁ 19.5 mm No. of teeth Z 4 Shank DIN 6535 HB to the degree of the degree	
No. of teeth Z Shank DIN 6535 HB to the degree of the de	
Shank DIN 6535 HB to Helix angle 40 degrees Corner chamfer angle 45 degrees Series GARANT Master Coating TiAIN Tool material Solid carbic Standard Manufacturer's standard N	
Helix angle 40 degrees Corner chamfer angle 45 degrees Series GARANT Master Coating TiAIN Tool material Solid carbic Standard Manufacturer's st Type N	
Corner chamfer angle 45 degrees Series GARANT Master Coating TiAIN Tool material Solid carbic Standard Manufacturer's st Type N	o h6
Series GARANT Master Coating TiAIN Tool material Solid carbic Standard Manufacturer's st Type N	,
CoatingTiAINTool materialSolid carbicStandardManufacturer's stTypeN	5
Tool material Solid carbic Standard Manufacturer's standard N	INOX
Standard Manufacturer's st Type N	
Type	e
N	andard
Helix angle characteristic unequal space	
	ing
Spacing of the cutters unequal space	ing
Cutting width a _e for milling operation Full slot cutting de	pth 1×D
Cutting width a _e for milling operation 0.3×D for side n	nilling
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 Ø tool 20 mm	

SZ2025 20

