

Garant**GARANT Master INOX M SlotMachine solid carbide roughing end mill HPC, TiAlN, Ø d11 DC: 20 mm****Order data**

Order number	205448 20
GTIN	4062406276041
Item class	11X

Description**Version:**

With a **new-type knurled profile**, optimised for higher feed rates in INOX. Improved cutting edge protection thanks to slight edge honing. **Tremendous bending strength** due to the use of **ultra-fine grain substrate**. Number of teeth tailored to performance and process reliability.

Advantage:

The tool geometry produces particularly tightly rolled swarf that is discharged via flat chip breaker recesses. As a result, the tool maintains an **extremely stable core**.

Application:

For roughing machining, particularly suitable for full-slot machining.

Tolerance nominal Ø: d11

No. of teeth Z: 5

Helix angle: 40 degrees

Direction of infeed: horizontal, oblique and vertical

Shank: DIN 6535 HB to h6

No. of teeth Z: 5

Flute length L_f : 26 mm

Overall length L: 92 mm

Shank Ø D_s : 20 mm

Corner chamfer width at 45°: 0.4 mm

Feed f_z for slot milling in stainless steel > 900 N/mm²: 0.06 mm

Technical description

Shank Ø D_s	20 mm
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Helix angle	40 degrees
Overall length L	92 mm
Corner chamfer angle	45 degrees
Corner chamfer width at 45°	0.4 mm
No. of teeth Z	5
Shank	DIN 6535 HB to h6
Flute length L _c	26 mm
Cutting edge Ø D _c	20 mm
Feed f _z for side milling in INOX > 900 N/mm ²	0.07 mm
Feed f _z for slot milling in stainless steel > 900 N/mm ²	0.06 mm
Tolerance nominal Ø	d11
Direction of infeed	horizontal, oblique and vertical
Series	GARANT Master INOX
Coating	TiAlN
Tool material	Solid carbide
Standard	DIN 6527
Milling profile	NR
Cutting width a _e for milling operation	Full slot cutting depth 1×D
Cutting width a _e for milling operation	0.5×D for side milling
Through-coolant	no
Machining strategy	HPC
Colour ring	blue
Type of product	End mill