

## Garant

### GARANT Master INOX M SlotMachine solid carbide roughing end mill HPC, TiAlN, Ø d11 DC: 10 mm



#### Order data

Order number	205448 10
GTIN	4062406276010
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  $L_c$ : 14 mm

Overall length L: 66 mm

Shank Ø  $D_s$ : 10 mm

Corner chamfer width at 45°: 0.2 mm

Feed  $f_z$  for slot milling in stainless steel > 900 N/mm<sup>2</sup>: 0.035 mm

#### Technical description

Helix angle	40 degrees
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Cutting edge $\varnothing D_c$	10 mm
Overall length L	66 mm
Corner chamfer angle	45 degrees
Feed $f_z$ for side milling in INOX > 900 N/mm <sup>2</sup>	0.04 mm
Shank	DIN 6535 HB to h6
Tolerance nominal $\varnothing$	d11
Direction of infeed	horizontal, oblique and vertical
Flute length $L_c$	14 mm
Shank $\varnothing D_s$	10 mm
Feed $f_z$ for slot milling in stainless steel > 900 N/mm <sup>2</sup>	0.035 mm
No. of teeth Z	5
Corner chamfer width at 45°	0.2 mm
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