

## Garant

### GARANT Master INOX M SlotMachine solid carbide roughing end mill HPC, TiAlN, Ø d11 DC: 12 mm



## Order data

Order number	205450 12
GTIN	4062406276102
Item class	11X

## Description

### Version:

With a **new type of knurled profile**, optimised for higher feed rates. Improved cutting edge protection thanks to slight edge honing. **Tremendous bending strength** due to the use of **ultra-fine grain substrate**. Number of cutters selected for 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  $L_c$ : 26 mm

Overhang length  $L_1$  incl. recess: 36 mm

Recess Ø  $D_1$ : 11.1 mm

Overall length L: 83 mm

Shank Ø  $D_s$ : 12 mm

## Technical description

Flute length $L_c$	26 mm
Feed $f_z$ for slot milling in stainless steel $> 900 \text{ N/mm}^2$	0.04 mm

Direction of infeed	horizontal, oblique and vertical
Feed $f_z$ for side milling in INOX > 900 N/mm <sup>2</sup>	0.05 mm
Overhang length $L_1$ incl. recess	36 mm
No. of teeth Z	5
Tolerance nominal $\varnothing$	d11
Corner chamfer width at 45°	0.25 mm
Overall length L	83 mm
Shank	DIN 6535 HB to h6
Helix angle	40 degrees
Recess $\varnothing D_1$	11.1 mm
Shank $\varnothing D_s$	12 mm
Corner chamfer angle	45 degrees
Cutting edge $\varnothing D_c$	12 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 1xD
Cutting width $a_e$ for milling operation	Full slot cutting depth 1xD
Through-coolant	no
Machining strategy	HPC
Colour ring	blue
Type of product	End mill