

Garant

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



Order data

Order number	205448 12
GTIN	4062406276027
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 : 16 mm

Overall length L: 73 mm

Shank Ø D_s : 12 mm

Corner chamfer width at 45°: 0.25 mm

Feed f_z for slot milling in stainless steel > 900 N/mm²: 0.04 mm

Technical description

No. of teeth Z	5
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Feed f_z for slot milling in stainless steel $> 900 \text{ N/mm}^2$	0.04 mm
Direction of infeed	horizontal, oblique and vertical
Helix angle	40 degrees
Corner chamfer width at 45°	0.25 mm
Flute length L_c	16 mm
Overall length L	73 mm
Tolerance nominal \varnothing	d11
Corner chamfer angle	45 degrees
Cutting edge $\varnothing D_c$	12 mm
Shank $\varnothing D_s$	12 mm
Feed f_z for side milling in INOX $> 900 \text{ N/mm}^2$	0.05 mm
Shank	DIN 6535 HB to h6
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 $1 \times D$
Cutting width a_e for milling operation	$0.5 \times D$ for side milling
Through-coolant	no
Machining strategy	HPC
Colour ring	blue
Type of product	End mill