

Garant

GARANT Master INOX M SlotMachine solid carbide roughing end mill HPC, TiAlN, Ø d11 DC: 6 mm



Order data

Order number	205450 6
GTIN	4062406276072
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: 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 : 13 mm

Overhang length L_1 incl. recess: 19 mm

Recess Ø D_1 : 5.6 mm

Overall length L: 57 mm

Shank Ø D_s : 6 mm

Technical description

Helix angle	40 degrees
Recess Ø D_1	5.6 mm

Corner chamfer width at 45°	0.15 mm
Shank	DIN 6535 HB to h6
Tolerance nominal \varnothing	d11
Direction of infeed	horizontal, oblique and vertical
No. of teeth Z	4
Shank $\varnothing D_s$	6 mm
Cutting edge $\varnothing D_c$	6 mm
Feed f_z for side milling in INOX > 900 N/mm ²	0.025 mm
Overhang length L_1 incl. recess	19 mm
Feed f_z for slot milling in stainless steel > 900 N/mm ²	0.02 mm
Corner chamfer angle	45 degrees
Overall length L	57 mm
Flute length L_c	13 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	Full slot cutting depth 1×D
Through-coolant	no
Machining strategy	HPC
Colour ring	blue
Type of product	End mill