

Garant

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



Order data

Order number	205450 20
GTIN	4062406276126
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 : 38 mm

Overhang length L_1 incl. recess: 52 mm

Recess Ø D_1 : 18.5 mm

Overall length L: 104 mm

Shank Ø D_s : 20 mm

Technical description

Overall length L	104 mm
Feed f_z for slot milling in stainless steel $> 900 \text{ N/mm}^2$	0.06 mm

Helix angle	40 degrees
Feed f_z for side milling in INOX > 900 N/mm ²	0.07 mm
Recess $\varnothing D_1$	18.5 mm
Overhang length L_1 incl. recess	52 mm
Corner chamfer angle	45 degrees
Shank	DIN 6535 HB to h6
Corner chamfer width at 45°	0.4 mm
No. of teeth Z	5
Direction of infeed	horizontal, oblique and vertical
Cutting edge $\varnothing D_c$	20 mm
Tolerance nominal \varnothing	d11
Flute length L_c	38 mm
Shank $\varnothing D_s$	20 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