

GARANT Master Steel SlotMachine solid carbide roughing end mill with through-coolant HPC, TiAIN, Ø d11 DC: 4 mm



Order data

Order number	205551 4
GTIN	4062406111137
Item class	11X

Description

Version:

With a new-type knurled profile, optimised for higher feed rates. Improved cutting edge protection thanks to slight edge honing. Tremendous bending strength due to the use of ultrafine grain substrate.

Feed rate per tooth up to 0.1 mm up to a depth of 2×D (in the slot milled from solid).

With **internal coolant supply** for reliable swarf evacuation.

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. Plunge angle of up to 10° possible thanks to generous recess on the front face.

Application:

For roughing machining, particularly suitable for full-slot machining.

Tolerance nominal Ø: d11

No. of teeth Z: 5

Helix angle: 42 degrees

Direction of infeed: horizontal and oblique

Shank: DIN 6535 HB to h6

No. of teeth Z: 5

Flute length L_c: 11 mm

Overhang length L₁ incl. recess: 19 mm

Recess \emptyset D₁: 3.7 mm Overall length L: 57 mm Shank \emptyset D₄: 6 mm

Technical description

Overall length L	57 mm
Overhang length L ₁ incl. recess	19 mm
Recess Ø D ₁	3.7 mm
Tolerance nominal Ø	d11
Shank Ø D _s	6 mm
Direction of infeed	horizontal and oblique
No. of teeth Z	5
Feed f_z for slot milling in steel < 900 N/mm ²	0.02 mm
Corner chamfer width at 45°	0.2 mm
Helix angle	42 degrees
Cutting edge \emptyset D_c	4 mm
Flute length L _c	11 mm
Shank	DIN 6535 HB to h6
Feed f_z for side milling in steel < 900 N/mm ²	0.03 mm
Corner chamfer angle	45 degrees
Series	GARANT Master Steel
Coating	TiAIN
Tool material	Solid carbide
Standard	DIN 6527
Milling profile	NR
Spacing of the cutters	unequal spacing
Cutting width a _e for milling operation	0.4×D for side milling
Cutting width a _e for milling operation	0.05×D for copy milling
Through-coolant	yes
Machining strategy	HPC
Colour ring	green
Type of product	End mill

