

Garant**GARANT Master Steel SlotMachine solid carbide roughing end mill HPC, TiAlN, Ø d11 DC: 6 mm****Order data**

Order number	205556 6
GTIN	4062406112110
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 ultra-fine grain substrate.

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.

Note:

Particularly long neck recess for avoiding interference contours.

With conically increasing recess to guarantee stability at long overhangs.

Tolerance nominal Ø: d11

No. of teeth Z: 5

Helix angle: 42 degrees

Direction of infeed: horizontal, oblique and vertical

Shank: DIN 6535 HB to h6

No. of teeth Z: 5

Flute length L_c : 13 mm

Overhang length L_1 incl. recess: 42 mm

minimum shank recess dia. D_5 : 5.4 mm

maximum shank recess dia. D_6 : 5.8 mm

Overall length L: 80 mm

Technical description

Cutting edge $\varnothing D_c$	6 mm
Tolerance nominal $\varnothing$	d11
Helix angle	42 degrees
No. of teeth Z	5
Shank	DIN 6535 HB to h6
Direction of infeed	horizontal, oblique and vertical
Overall length L	80 mm
Shank $\varnothing D_s$	6 mm
Overhang length L_1 incl. recess	42 mm
Corner chamfer width at 45°	0.3 mm
Feed f_z for side milling in steel < 900 N/mm ²	0.04 mm
Flute length L_c	13 mm
minimum shank recess dia. D_5	5.4 mm
maximum shank recess dia. D_6	5.8 mm
Corner chamfer angle	45 degrees
Series	GARANT Master Steel
Coating	TiAlN
Tool material	solid carbide
Standard	Manufacturer's standard
Milling profile	NR
Spacing of the cutters	unequal spacing
Cutting width a_e for milling operation	0.3×D for side milling
Through-coolant	no
Machining strategy	HPC
Colour ring	green
Type of product	End mill