

Garant
GARANT Master Steel SlotMachine solid carbide roughing end mill HPC / TPC, TiAlN, Ø d11 DC: 8 mm

Order data

Order number	205557 8
GTIN	4062406377038
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.

Problem-solver for TPC machining.

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 : 40 mm

Overall length L: 81 mm

Shank Ø D_s : 8 mm

Corner chamfer width at 45°: 0.4 mm

Feed f_z for side milling in steel < 900 N/mm²: 0.05 mm

Technical description

Tolerance nominal Ø	d11
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Flute length L_c	40 mm
Feed f_z for side milling in steel $< 900 \text{ N/mm}^2$	0.05 mm
Corner chamfer width at 45°	0.4 mm
Cutting edge $\varnothing D_c$	8 mm
Shank $\varnothing D_s$	8 mm
Direction of infeed	horizontal, oblique and vertical
Shank	DIN 6535 HB to h6
Corner chamfer angle	45 degrees
Helix angle	42 degrees
No. of teeth Z	5
Overall length L	81 mm
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	$0.2 \times D$ for side milling
Through-coolant	no
Machining strategy	TPC
Machining strategy	HPC
Colour ring	green
Type of product	End mill