

Garant

GARANT Master Steel SlotMachine solid carbide roughing end mill HPC / TPC, TiAlN, Ø d11 DC: 12 mm


Order data

Order number	205555 12
GTIN	4062406275655
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.

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 : 48 mm

Overall length L: 100 mm

Shank Ø D_s : 12 mm

Corner chamfer width at 45°: 0.6 mm

Feed f_z for slot milling in steel < 900 N/mm²: 0.06 mm

Technical description

Cutting edge Ø D_c	12 mm
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Overall length L	100 mm
Shank	DIN 6535 HB to h6
Direction of infeed	horizontal, oblique and vertical
Helix angle	42 degrees
Shank Ø D _s	12 mm
No. of teeth Z	5
Corner chamfer angle	45 degrees
Flute length L _c	48 mm
Feed f _z for slot milling in steel < 900 N/mm ²	0.06 mm
Corner chamfer width at 45°	0.6 mm
Tolerance nominal Ø	d11
Feed f _z for side milling in steel < 900 N/mm ²	0.08 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×D for side milling
Through-coolant	no
Machining strategy	HPC
Machining strategy	TPC
Colour ring	green
Type of product	End mill