Garant

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



Order data

Order number	205552 12
GTIN	4045197958983
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, particularly suitable for full-slot machining. Tolerance nominal \emptyset : 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: 26 mm Overhang length L₁ incl. recess: 46 mm Recess \emptyset D₁: 11.1 mm Overall length L: 93 mm Shank \emptyset D_s: 12 mm

Technical description

Corner chamfer width at 45°	0.6 mm
Cutting edge $Ø D_c$	12 mm

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Feed f_z for slot milling in steel < 900 N/mm ²	0.065 mm
Recess Ø D ₁	11.1 mm
Flute length L _c	26 mm
Tolerance nominal Ø	d11
Direction of infeed	horizontal, oblique and vertical
Overhang length L ₁ incl. recess	46 mm
Helix angle	42 degrees
Shank Ø D _s	12 mm
Feed f_z for side milling in steel < 900 N/mm ²	0.09 mm
No. of teeth Z	5
Shank	DIN 6535 HB to h6
Overall length L	93 mm
Corner chamfer angle	45 degrees
Series	GARANT Master Steel
Coating	TiAIN
Tool material	Solid carbide
Standard	Manufacturer's standard
Milling profile	NR
Spacing of the cutters	unequal spacing
Cutting width a_e for milling operation	Full slot cutting depth 1×D
Cutting width a_e for milling operation	0.4×D for side milling
Through-coolant	no
Machining strategy	HPC
Colour ring	green
Type of product	End mill