

Garant

GARANT Master Steel SlotMachine solid carbide roughing end mill HPC / TPC, TiAlN, Ø d11 DC: 16 mm


Order data

Order number	205555 16
GTIN	4062406275662
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_f : 64 mm

Overall length L: 123 mm

Shank Ø D_s : 16 mm

Corner chamfer width at 45°: 0.8 mm

Feed f_z for slot milling in steel < 900 N/mm²: 0.07 mm

Technical description

Tolerance nominal Ø	d11
---------------------	-----

Direction of infeed	horizontal, oblique and vertical
Feed f_z for side milling in steel $< 900 \text{ N/mm}^2$	0.09 mm
Shank $\varnothing D_s$	16 mm
Helix angle	42 degrees
Shank	DIN 6535 HB to h6
Corner chamfer angle	45 degrees
Feed f_z for slot milling in steel $< 900 \text{ N/mm}^2$	0.07 mm
Cutting edge $\varnothing D_c$	16 mm
Overall length L	123 mm
No. of teeth Z	5
Corner chamfer width at 45°	0.8 mm
Flute length L_c	64 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	HPC
Machining strategy	TPC
Colour ring	green
Type of product	End mill