Garant

GARANT Master Steel SlotMachine solid carbide roughing end mill HPC, TiAlN, ⌀ d11 DC: 10 mm

Order data

Order number	205556 10
GTIN	4062406112134
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 ⌀: 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: 22 mm
Overhang length L_1 incl. recess: 58 mm
minimum shank recess dia. D_5: 9 mm
maximum shank recess dia. D_6: 9.7 mm
Overall length L: 100 mm

Technical description

Shank	DIN 6535 HB to h6
Cutting edge ⌀ D_C	10 mm
Overhang length L_1 incl. recess	58 mm
Feed f_z for side milling in steel < 900 N/mm^2	0.06 mm
Helix angle	42 degrees
Overall length L	100 mm
No. of teeth Z	5
maximum shank recess dia. D_6	9.7 mm
minimum shank recess dia. D_5	9 mm
Tolerance nominal ⌀	d11
Flute length L_c	22 mm
Shank ⌀ D_s	10 mm
Corner chamfer width at 45°	0.5 mm
Direction of infeed	horizontal, oblique and vertical
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