Garant

GARANT Master UNI solid carbide roughing end mill HPC, TiSiN, ∅ e8 DC: 8 mm

Order data

Order number	203062 8
GTIN	4062406569563
Item class	11Z

Description

Version:
For **roughing and finishing at very high feed rates** with smooth cutting action. **Newly developed geometry and high-performance coating** for outstanding production results and very long tool life with a variety of materials. Unequal spacing gives **high intrinsic stability** and smooth cutting action.
Advantage:
· **Particularly low vibration running.**
· **Special flute profile, large flutes.**
· **Specially matched edge honing.**
· **Optimised substrate for hardness and toughness.**
Tolerance nominal ∅: e8
No. of teeth Z: 4
Helix angle: 42 degrees
Direction of infeed: horizontal, oblique and vertical
Shank: DIN 6535 HB to h6
No. of teeth Z: 4
Flute length L_c: 12 mm
Overhang length L_1 incl. recess: 20 mm
Recess ∅ D_1: 7.7 mm
Overall length L: 58 mm
Shank ∅ D_s: 8 mm

Technical description

Flute length L_c	12 mm

Direction of infeed	horizontal, oblique and vertical
Feed f_z for slot milling in steel < 900 N/mm^2	0.05 mm
Feed f_z for slot milling in stainless steel > 900 N/mm^2	0.025 mm
Recess ∅ D_1	7.7 mm
Corner rounding r_v	0.2 mm
Cutting edge ∅ D_C	8 mm
Shank	DIN 6535 HB to h6
Helix angle	42 degrees
No. of teeth Z	4
Feed f_z for side milling in steel < 900 N/mm^2	0.06 mm
Feed f_z for side milling in INOX > 900 N/mm^2	0.03 mm
Tolerance nominal ∅	e8
Shank ∅ D_s	8 mm
Overhang length L_1 incl. recess	20 mm
Overall length L	58 mm
Series	GARANT Master UNI
Coating	TiSiN
Tool material	solid carbide
Standard	Manufacturer's standard
Type	N
Helix angle characteristic	unequal spacing
Spacing of the cutters	unequal spacing
Cutting width a_e for milling operation	Full slot cutting depth 1×D
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Through-coolant	no
Machining strategy	HPC
Colour ring	green
Type of product	End mill