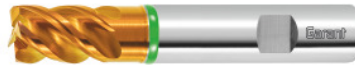


Garant

GARANT Master UNI solid carbide roughing end mill HPC, TiSiN, Ø e8 DC: 4 mm



Order data

Order number	203062 4
GTIN	4062406569532
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 Ø: 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 : 8 mm

Overhang length L_1 incl. recess: 14 mm

Recess Ø D_1 : 3.8 mm

Overall length L: 54 mm

Shank Ø D_s : 6 mm

Technical description

Flute length L_c	8 mm
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Shank	DIN 6535 HB to h6
No. of teeth Z	4
Feed f_z for side milling in INOX > 900 N/mm ²	0.015 mm
Overall length L	54 mm
Feed f_z for slot milling in stainless steel > 900 N/mm ²	0.12 mm
Tolerance nominal \varnothing	e8
Recess $\varnothing D_1$	3.8 mm
Cutting edge $\varnothing D_c$	4 mm
Helix angle	42 degrees
Overhang length L_1 incl. recess	14 mm
Corner rounding r_v	0.1 mm
Shank $\varnothing D_s$	6 mm
Feed f_z for slot milling in steel < 900 N/mm ²	0.02 mm
Direction of infeed	horizontal, oblique and vertical
Feed f_z for side milling in steel < 900 N/mm ²	0.025 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 1xD
Cutting width a_e for milling operation	Full slot cutting depth 1xD
Through-coolant	no
Machining strategy	HPC
Colour ring	green
Type of product	End mill

