

GARANT Master UNI solid carbide roughing end mill HPC, TiSiN, Ø e8 DC: 6mm



Order data

Order number	203062 6		
GTIN	4062406569556		
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 °

Direction of infeed: horizontal, oblique and vertical

Shank: DIN 6535 HB to h6

No. of teeth Z: 4 Flute length L_c: 10 mm

Overhang length L₁ incl. recess: 16 mm

Recess \emptyset D₁: 5.8 mm Overall length L: 54 mm Shank \emptyset D₄: 6 mm

Technical description

Tolerance nominal Ø e8

Feed f_z for slot milling in steel < 900 N/mm ²	0.04 mm		
Recess Ø D ₁	5.8 mm		
Direction of infeed	horizontal, oblique and vertical		
Cutting edge Ø D _c	6 mm		
Shank Ø D _s	6 mm		
Overall length L	54 mm		
Feed f_z for side milling in INOX > 900 N/mm ²	0.03 mm		
Shank	DIN 6535 HB to h6		
Corner rounding r _v	0.1 mm		
Feed f_z for side 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		
Overhang length L ₁ incl. recess	16 mm		
Flute length L _c	10 mm		
No. of teeth Z	4		
Helix angle	42 °		
Coating	TiSiN		
Tool material	solid carbide		
Standard	Manufacturer's standard		
Туре	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		
Cutting width a _e for milling operation	Full slot cutting depth 1×D		
Through-coolant	no		
Machining strategy	HPC		
Colour ring	green		
Type of product	End / face mill		

User data

Suitability	V _c	ISO code
suitable only under restricted conditions	280 m/min	N
suitable	260 m/min	Р
suitable	240 m/min	Р
suitable	190 m/min	Р
suitable	180 m/min	Р
suitable	150 m/min	Р
suitable	90 m/min	M
suitable	80 m/min	M
suitable only under restricted conditions	40 m/min	S
suitable	250 m/min	K
suitable		
suitable		
suitable only under restricted conditions		
suitable		
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