

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

**Order data**

Order number	203067 4
GTIN	4062406569624
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:**

Especially for **MTC (Multi Task Cutting)** use on the new generation of turning / milling centres.

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  $L_c$ : 11 mm

Overhang length  $L_1$  incl. recess: 17 mm

Recess Ø  $D_1$ : 3.8 mm

Overall length L: 57 mm

Shank Ø  $D_s$ : 6 mm

**Technical description**

Feed $f_z$ for slot milling in steel < 900 N/mm <sup>2</sup>	0.02 mm
Direction of infeed	horizontal, oblique and vertical
Overhang length $L_1$ incl. recess	17 mm

Shank	DIN 6535 HB to h6
Corner rounding $r_v$	0.08 mm
Feed $f_z$ for side milling in steel < 900 N/mm <sup>2</sup>	0.025 mm
Flute length $L_c$	11 mm
Feed $f_z$ for side milling in INOX > 900 N/mm <sup>2</sup>	0.015 mm
Tolerance nominal $\varnothing$	e8
Shank $\varnothing D_s$	6 mm
Overall length L	57 mm
No. of teeth Z	4
Feed $f_z$ for slot milling in stainless steel > 900 N/mm <sup>2</sup>	0.012 mm
Recess $\varnothing D_1$	3.8 mm
Cutting edge $\varnothing D_c$	4 mm
Helix angle	42 degrees
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	0.3×D for side milling
Cutting width $a_e$ for milling operation	Full slot cutting depth 1×D
Through-coolant	no
Machining strategy	MTC
Colour ring	green
Type of product	End mill