

Garant
GARANT Master UNI solid carbide roughing end mill HPC, TiSiN, Ø e8 DC: 25 mm

Order data

Order number	203067 25
GTIN	4062406569709
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 : 68 mm

Overhang length L_1 incl. recess: 80 mm

Recess Ø D_1 : 24.5 mm

Overall length L: 136 mm

Shank Ø D_s : 25 mm

Technical description

Shank Ø D_s	25 mm
Feed f_z for side milling in INOX > 900 N/mm ²	0.09 mm
Feed f_z for slot milling in steel < 900 N/mm ²	0.12 mm

Recess $\varnothing D_1$	24.5 mm
Overall length L	136 mm
Feed f_z for side milling in steel $< 900 \text{ N/mm}^2$	0.16 mm
Shank	DIN 6535 HB to h6
Corner rounding r_v	0.3 mm
Helix angle	42 degrees
Feed f_z for slot milling in stainless steel $> 900 \text{ N/mm}^2$	0.08 mm
Overhang length L_1 incl. recess	80 mm
No. of teeth Z	4
Cutting edge $\varnothing D_c$	25 mm
Flute length L_c	68 mm
Direction of infeed	horizontal, oblique and vertical
Tolerance nominal $\varnothing$	e8
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	$0.3 \times D$ for side milling
Cutting width a_e for milling operation	Full slot cutting depth $1 \times D$
Through-coolant	no
Machining strategy	MTC
Colour ring	green
Type of product	End mill