

Garant
GARANT Master Steel solid carbide roughing end mill HPC, TiAlN, Ø f8 DC: 6 mm

Order data

Order number	203036 6
GTIN	4045197718853
Item class	11X

Description
Version:

For **roughing and finishing** up to $0.7 \times D$ into solid material **at very high feed rates** with smooth cutting action.

Advantage:

Optimised flute form, eccentric relief ground, wide chip space.

Tolerance nominal \varnothing : f8

No. of teeth Z: 4

Helix angle: 38 degrees

Direction of infeed: horizontal, oblique and vertical

Shank: DIN 6535 HB to h6

No. of teeth Z: 4

Flute length L_c : 13 mm

Overhang length L_1 incl. recess: 25 mm

Recess $\varnothing D_1$: 5.8 mm

Overall length L: 62 mm

Shank $\varnothing D_s$: 6 mm

Technical description

Cutting edge $\varnothing D_c$	6 mm
Feed f_z for slot milling in steel $< 900 \text{ N/mm}^2$	0.04 mm
Feed f_z for side milling in steel $< 900 \text{ N/mm}^2$	0.05 mm
Corner chamfer width at 45°	0.12 mm
Recess $\varnothing D_1$	5.8 mm

No. of teeth Z	4
Overhang length L ₁ incl. recess	25 mm
Shank Ø D _s	6 mm
Overall length L	62 mm
Flute length L _c	13 mm
Direction of infeed	horizontal, oblique and vertical
Shank	DIN 6535 HB to h6
Tolerance nominal Ø	f8
Helix angle	38 degrees
Corner chamfer angle	45 degrees
Series	GARANT Master Steel
Coating	TiAlN
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	0.25×D for side milling
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 mill