

Garant
GARANT Master Steel solid carbide roughing end mill HPC, TiAlN, Ø f8 DC: 14 mm

Order data

Order number	203039 14
GTIN	4062406230944
Item class	11X

Description
Version:

For **roughing and finishing**.

Up to 1.5xD into solid material **at very high feed rates** with smooth cutting action.

Advantage:

Optimised flute form, eccentric relief ground, generous chip spaces.

Tolerance nominal Ø: 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 : 26 mm

Overhang length L_1 incl. recess: 36 mm

Recess Ø D_1 : 13.8 mm

Overall length L: 83 mm

Shank Ø D_s : 14 mm

Technical description

No. of teeth Z	4
Corner chamfer width at 45°	0.1 mm
Flute length L_c	26 mm
Feed f_z for side milling in steel < 900 N/mm ²	0.1 mm
Cutting edge Ø D_c	14 mm

Overhang length L_1 incl. recess	36 mm
Recess $\varnothing D_1$	13.8 mm
Tolerance nominal \varnothing	f8
Helix angle	38 degrees
Direction of infeed	horizontal, oblique and vertical
Shank	DIN 6535 HB to h6
Feed f_z for slot milling in steel < 900 N/mm ²	0.08 mm
Overall length L	83 mm
Shank $\varnothing D_s$	14 mm
Corner chamfer angle	45 degrees
Series	GARANT Master Steel
Coating	TiAlN
Tool material	Solid carbide
Standard	DIN 6527
Type	N
Helix angle characteristic	unequal spacing
Spacing of the cutters	unequal spacing
Cutting width a_e for milling operation	Full slot cutting depth $1 \times D$
Cutting width a_e for milling operation	$0.03 \times D$ for copy milling
Through-coolant	no
Machining strategy	HPC
Colour ring	green
Type of product	End mill