

## Garant

### GARANT Master Steel solid carbide finishing cutter HPC, TiAlN, Ø f8 DC: 4 mm



## Order data

Order number	204012 4
GTIN	4045197886378
Item class	11X

## Description

### Version:

For **finishing operations**.

Special geometry for optimum chip evacuation.

Unequal spacing gives high **intrinsic stability and smooth cutting action**.

For **profile milling as a finishing operation**.

### Note:

$$a_{e\max} = 0.1 \times D$$

Can be reground from  $\varnothing D_c = 6$  mm.

Tolerance nominal  $\varnothing$ : f8

No. of teeth Z: 7

Helix angle: 45 degrees

Direction of infeed: horizontal

Shank: DIN 6535 HA to h6

Balance quality with shank: G 2.5 with HA

No. of teeth Z: 7

Flute length  $L_c$ : 11 mm

Overall length L: 57 mm

Shank  $\varnothing D_s$ : 6 mm

Corner chamfer width at 45°: 0.04 mm

Feed  $f_z$  for side milling in steel < 900 N/mm<sup>2</sup>: 0.02 mm

## Technical description

Shank $\varnothing D_s$	6 mm
Overall length L	57 mm
Cutting edge $\varnothing D_c$	4 mm

Flute length $L_c$	11 mm
Balance quality with shank	G 2.5 with HA
Corner chamfer width at 45°	0.04 mm
Feed $f_z$ for side milling in steel < 900 N/mm <sup>2</sup>	0.02 mm
No. of teeth Z	7
Shank	DIN 6535 HA to h6
Tolerance nominal $\varnothing$	f8
Direction of infeed	horizontal
Helix angle	45 degrees
Corner chamfer angle	45 degrees
Series	GARANT Master Steel
Coating	TiAlN
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	N
Spacing of the cutters	unequal spacing
Cutting width $a_e$ for milling operation	0.1×D for side milling
Through-coolant	no
Machining strategy	HPC
Colour ring	green
Type of product	End mill

## Services

Shank grinding Type HB	129100 HB
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