

**Garant**
**GARANT Master Steel solid carbide finishing cutter HPC, TiAlN, Ø f8 DC: 8 mm**

**Order data**

Order number	204015 8
GTIN	4045197954503
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:**

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

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

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  $L_c$ : 24 mm

Overall length L: 68 mm

Shank  $\varnothing D_s$ : 8 mm

Feed  $f_z$  for side milling in steel  $< 900$  N/mm<sup>2</sup>: 0.058 mm

**Technical description**

No. of teeth Z	7
Tolerance nominal $\varnothing$	f8
Flute length $L_c$	24 mm
Shank	DIN 6535 HA to h6

Helix angle	45 degrees
Shank $\varnothing D_s$	8 mm
Cutting edge $\varnothing D_c$	8 mm
Balance quality with shank	G 2.5 with HA
Feed $f_z$ for side milling in steel $< 900 \text{ N/mm}^2$	0.058 mm
Overall length L	68 mm
Direction of infeed	horizontal
Corner chamfer angle	90 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	$0.1 \times D$ for side milling
Through-coolant	no
Machining strategy	HPC
Colour ring	green
Type of product	End mill

## Services

Shank grinding Type HB	129100 HB
------------------------	-----------