

Garant

GARANT Master Steel solid carbide finishing cutter HPC, TiAlN, Ø f8 DC: 12 mm



Order data

Order number	204018 12
GTIN	4045197886873
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**.

Particularly long cutting edges for efficient finishing.

Note:

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

$a_{e\max} = 0.05 \times D$

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 : 60 mm

Overall length L: 112 mm

Shank $\varnothing D_s$: 12 mm

Corner chamfer width at 45°: 0.12 mm

Feed f_z for side milling in steel < 900 N/mm²: 0.08 mm

Technical description

Cutting edge $\varnothing D_c$	12 mm
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Feed f_z for side milling in steel $< 900 \text{ N/mm}^2$	0.08 mm
Shank	DIN 6535 HA to h6
Shank $\varnothing D_s$	12 mm
Balance quality with shank	G 2.5 with HA
Flute length L_c	60 mm
Overall length L	112 mm
Direction of infeed	horizontal
Corner chamfer width at 45°	0.12 mm
No. of teeth Z	7
Tolerance nominal \varnothing	f8
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	$0.05 \times D$ for side milling
Through-coolant	no
Machining strategy	HPC
Colour ring	green
Type of product	End mill

Services

Shank clamping flats for shrink-fit chucks, with retainer function Shank \varnothing tool 12 mm	SZ2025 12
Shank grinding Type HB	129100 HB

