

Garant

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



Order data

Order number	204016 12
GTIN	4045197886804
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:

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

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 : 48 mm

Overall length L: 100 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

Shank	DIN 6535 HA to h6
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Overall length L	100 mm
No. of teeth Z	7
Balance quality with shank	G 2.5 with HA
Flute length L _c	48 mm
Direction of infeed	horizontal
Tolerance nominal Ø	f8
Feed f _z for side milling in steel < 900 N/mm ²	0.08 mm
Cutting edge Ø D _c	12 mm
Shank Ø D _s	12 mm
Corner chamfer width at 45°	0.12 mm
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×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 Ø tool 12 mm	SZ2025 12
Shank grinding Type HB	129100 HB

