

Garant

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



Order data

Order number	204019 12
GTIN	4045197954237
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

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

Technical description

Cutting edge $\varnothing D_c$	12 mm
Helix angle	45 degrees

Shank $\varnothing D_s$	12 mm
Overall length L	112 mm
No. of teeth Z	7
Balance quality with shank	G 2.5 with HA
Flute length L_c	60 mm
Feed f_z for side milling in steel $< 900 \text{ N/mm}^2$	0.08 mm
Tolerance nominal \varnothing	f8
Direction of infeed	horizontal
Shank	DIN 6535 HA to h6
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	$0.05 \times D$ 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