

Garant
GARANT Master Steel solid carbide finishing cutter HPC, TiAlN, Ø f8 DC: 10mm

Order data

Order number	204018 10
GTIN	4045197886866
Item class	11X

Description
Version:

Particularly long cutting edges for efficient finishing.

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.

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

Tolerance nominal \varnothing : f8

No. of teeth Z: 7

Helix angle: 45°

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 : 50 mm

Overall length L: 96 mm

Shank $\varnothing D_s$: 10 mm

Corner chamfer width at 45°: 0.1 mm

Feed f_z for side milling in steel < 900 N/mm²: 0.065 mm

Technical description

Overall length L	96 mm
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Feed f_z for side milling in steel < 900 N/mm ²	0.065 mm
Cutting edge $\varnothing D_c$	10 mm
Direction of infeed	horizontal
Shank $\varnothing D_s$	10 mm
Tolerance nominal \varnothing	f8
No. of teeth Z	7
Flute length L_c	50 mm
Corner chamfer width at 45°	0.1 mm
Shank	DIN 6535 HA to h6
Balance quality with shank	G 2.5 with HA
Helix angle	45°
Corner chamfer angle	45°
Series	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 / face mill

User data

	Suitability	V_c	ISO code
Steel < 500 N/mm ²	suitable	240 m/min	P
Steel < 750 N/mm ²	suitable	220 m/min	P
Steel < 900 N/mm ²	suitable	200 m/min	P

Steel < 1100 N/mm ²	suitable	180 m/min	P
Steel < 1400 N/mm ²	suitable	150 m/min	P
INOX < 900 N/mm ²	suitable	90 m/min	M
INOX > 900 N/mm ²	suitable	80 m/min	M
GG(G)	suitable	200 m/min	K
wet maximum	suitable only under restricted conditions		
wet minimum	suitable only under restricted conditions		
dry	suitable only under restricted conditions		
Air	suitable		

Services

Shank grinding Type HB

129100 HB