

GARANT Steel solid carbide milling cutter HPC, TiAIN, Ø f8 DC: 4mm



Order data

Order number	203057 4
GTIN	4069515028431
Item class	11Z

Description

Version:

For **roughing and finishing.** For use in unstable machining processes and for machining complex components.

Up to 1.5×D into solid material **at very high feed rates** with smooth cutting action.

Advantage:

Optimised flute form, eccentric relief ground, wide chip space.

Note:

Successor product to No. 203041.

Technical description

Cutting edge \emptyset D_c	4 mm	
Corner chamfer angle	45 degrees	
Overall length L	57 mm	
Feed f_z for side milling in steel < 900 N/mm ²	0.025 mm	
No. of teeth Z	4	
Corner chamfer width at 45°	0.08 mm	
Shank	DIN 6535 HB	
Feed f_z for slot milling in steel < 900 N/mm ²	0.02 mm	
Helix angle	38 degrees	
Shank Ø D _s	6 mm	
Direction of infeed	horizontal, oblique and vertical	

Data sheet

Flute length L _c	11 mm	
Tolerance nominal Ø	f8	
Series	Master Steel	
Coating	TiAlN	
Tool material	Solid carbide	
andard DIN 6527		
Туре	N	
Helix angle characteristic	unequal spacing	
Spacing of the cutters	unequal spacing	
Cutting width a _e for milling operation	Full slot cutting depth 1×D	
Cutting width a _e for milling operation	0.3×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	250 m/min	Р
Steel < 750 N/mm ²	suitable	200 m/min	Р
Steel < 900 N/mm ²	suitable	180 m/min	Р
Steel < 1100 N/mm ²	suitable	160 m/min	Р
INOX < 900 N/mm ²	suitable	70 m/min	M
INOX > 900 N/mm ²	suitable	50 m/min	M
GG(G)	suitable	120 m/min	K
Uni	suitable		
wet maximum	suitable		
wet minimum	suitable only under restricted conditions		

Data sheet

dry	suitable	
Air	suitable	