

GARANT Master Ni-Based solid carbide milling cutter HPC/TPC, TiAIN, Ø e8 DC: 4mm



Order data

Order number	203161 4		
GTIN	4062406565770		
Item class	11Z		

Description

Version:

Specially ground with Torus-like corner radius.

Innovative substrate specially for machining **nickel-based alloys.** Newly developed coating.

Application:

For milling nickel-based alloys with high red hardness.

Note:

Successor product to No. 203082.

Technical description

Helix angle	38 degrees		
Direction of infeed	horizontal, oblique and vertical		
Cutting edge Ø D _C	4 mm		
Overall length L	57 mm		
Overhang length L₁ incl. recess	17 mm		
Corner rounding r _v	0.2 mm		
Shank Ø D _s	6 mm		
Tolerance nominal Ø	e8		
Recess Ø D ₁	3.8 mm		
Shank	DIN 6535 HB to h6		

Feed f _z for side milling in Inconel®	0.035 mm		
Balance quality with shank	G 2.5 with HB		
No. of teeth Z	5		
Flute length L _c	11 mm		
Series	Master Ni-based		
Coating	TiAlN		
Tool material	Solid carbide		
Standard	DIN 6527		
Туре	N		
Helix angle characteristic	unequal spacing		
Spacing of the cutters	unequal spacing		
Cutting width a_e for milling operation	0.3×D for side milling		
Cutting width a_e for milling operation	0,08×D		
Through-coolant	no		
Machining strategy	HPC		
Machining strategy	HPC		
Colour ring	pink		
Type of product	End / face mill		

User data

	Suitability	V _c	ISO code
Inconel	suitable	40 m/min	S
wet maximum	suitable		