

Garant
**GARANT Master Ni-Based solid carbide milling cutter HPC/TPC, TiAlN, 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.

Tolerance nominal Ø: e8

No. of teeth Z: 5

Helix angle: 38 °

Direction of infeed: horizontal, oblique and vertical

Shank: DIN 6535 HB to h6

Balance quality with shank: G 2.5 with HB

No. of teeth Z: 5

Flute length L_c : 11 mm

Overhang length L_1 incl. recess: 17 mm

Recess Ø D_1 : 3.8 mm

Overall length L: 57 mm

Shank Ø D_s : 6 mm

Technical description

Helix angle	38 °
Direction of infeed	horizontal, oblique and vertical

Cutting edge $\varnothing D_c$	4 mm
Overall length L	57 mm
Overhang length L_1 incl. recess	17 mm
Corner rounding r_v	0.2 mm
Shank $\varnothing D_s$	6 mm
Tolerance nominal \varnothing	e8
Recess $\varnothing D_1$	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
Type	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
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Inconel	suitable	40 m/min	S
wet maximum	suitable		