

Garant**GARANT Master Ni-Based solid carbide milling cutter HPC / TPC, TiAlN, Ø DC: 6 mm****Order data**

Order number	203048 6
GTIN	4062406565718
Item class	11Z

Description**Version:**

Specially ground with **corner radii similar to torus cutters**.

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. 203028.

Tolerance nominal Ø: e8

No. of teeth Z: 4

Helix angle: 35 degrees

Direction of infeed: horizontal, oblique and vertical

Shank: DIN 6535 HB to h6

No. of teeth Z: 4

Flute length L_c : 13 mm

Overhang length L_1 incl. recess: 19 mm

Recess Ø D_1 : 5.8 mm

Overall length L: 57 mm

Shank Ø D_s : 6 mm

Technical description

Tolerance nominal Ø	e8
Corner rounding r_v	0.2 mm
Helix angle	35 degrees

Direction of infeed	horizontal, oblique and vertical
Recess $\varnothing D_1$	5.8 mm
Overhang length L_1 incl. recess	19 mm
Feed f_z for side milling in Inconel®	0.05 mm
No. of teeth Z	4
Cutting edge $\varnothing D_c$	6 mm
Flute length L_c	13 mm
Shank $\varnothing D_s$	6 mm
Overall length L	57 mm
Shank	DIN 6535 HB to h6
Series	GARANT Master Ni-Based
Coating	TiAlN
Tool material	Solid carbide
Standard	DIN 6527
Type	N
Spacing of the cutters	unequal spacing
Cutting width a_e for milling operation	0,08×D
Through-coolant	no
Machining strategy	TPC
Machining strategy	HPC
Colour ring	pink
Type of product	End mill

Services

Shank grinding Type HB	129100 HB
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