

Garant
GARANT Master Ni-Based solid carbide milling cutter HPC / TPC, TiAlN, Ø DC: 12 mm

Order data

Order number	203048 12
GTIN	4062406565749
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 : 26 mm

Overhang length L_1 incl. recess: 36 mm

Recess Ø D_1 : 11.6 mm

Overall length L: 83 mm

Shank Ø D_s : 12 mm

Technical description

Feed f_z for side milling in Inconel®	0.075 mm
Overhang length L_1 incl. recess	36 mm
Recess Ø D_1	11.6 mm

Shank Ø D _s	12 mm
Corner rounding r _v	0.2 mm
Tolerance nominal Ø	e8
Cutting edge Ø D _c	12 mm
Helix angle	35 degrees
Shank	DIN 6535 HB to h6
Flute length L _c	26 mm
No. of teeth Z	4
Direction of infeed	horizontal, oblique and vertical
Overall length L	83 mm
Series	GARANT Master Titan
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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