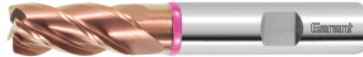


Garant

GARANT Master Ni-Based solid carbide milling cutter HPC / TPC, TiAlN, Ø DC: 10mm



Order data

Order number	203048 10
GTIN	4062406565732
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 °

Direction of infeed: horizontal, oblique and vertical

Shank: DIN 6535 HB to h6

No. of teeth Z: 4

Flute length L_c : 22 mm

Overhang length L_1 incl. recess: 30 mm

Recess Ø D_1 : 9.7 mm

Overall length L: 72 mm

Shank Ø D_s : 10 mm

Technical description

Flute length L_c	22 mm
Tolerance nominal Ø	e8
Overhang length L_1 incl. recess	30 mm

Feed f_z for side milling in Inconel®	0.07 mm
Shank $\varnothing D_s$	10 mm
Overall length L	72 mm
Direction of infeed	horizontal, oblique and vertical
Recess $\varnothing D_1$	9.7 mm
Shank	DIN 6535 HB to h6
Corner rounding r_v	0.2 mm
Helix angle	35 °
No. of teeth Z	4
Cutting edge $\varnothing D_c$	10 mm
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	0,08×D
Through-coolant	no
Machining strategy	TPC
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		

Services

Shank grinding Type HB

129100 HB