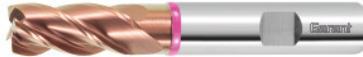


## Garant

### GARANT Master Ni-Based solid carbide milling cutter HPC / TPC, TiAlN, Ø DC: 16mm



#### Order data

Order number	203048 16
GTIN	4062406565756
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.

#### Technical description

Corner rounding $r_v$	0.3 mm
Shank	DIN 6535 HB to h6
Direction of infeed	horizontal, oblique and vertical
Feed $f_z$ for side milling in Inconel®	0.08 mm
Flute length $L_c$	36 mm
Shank $\varnothing D_s$	16 mm
Recess $\varnothing D_1$	15.5 mm
Helix angle	35 degrees
Cutting edge $\varnothing D_c$	16 mm
Tolerance nominal $\varnothing$	e8

Overhang length $L_1$ incl. recess	42 mm
Overall length L	92 mm
No. of teeth Z	4
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	0,08×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
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