

Garant
**GARANT Master Ni-Based solid carbide milling cutter HPC/TPC, TiAlN, Ø e8
DC: 12mm**

Order data

Order number	203161 12
GTIN	4062406565824
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.

Technical description

Direction of infeed	horizontal, oblique and vertical
Flute length L_c	26 mm
No. of teeth Z	5
Recess $\varnothing D_1$	11.6 mm
Helix angle	38 degrees
Corner rounding r_v	0.2 mm
Overhang length L_1 incl. recess	36 mm
Shank	DIN 6535 HB to h6
Balance quality with shank	G 2.5 with HB
Tolerance nominal \varnothing	e8

Shank $\varnothing D_s$	12 mm
Cutting edge $\varnothing D_c$	12 mm
Feed f_z for side milling in Inconel®	0.075 mm
Overall length L	83 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
Inconel	suitable	40 m/min	S
wet maximum	suitable		