

Garant
**GARANT Master Ni-Based solid carbide milling cutter HPC/TPC, TiAlN, Ø e8
DC: 5mm**

Order data

| | |
|--------------|---------------|
| Order number | 203161 5 |
| GTIN | 4062406565787 |
| 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

| | |
|---|---------------|
| Helix angle | 38 degrees |
| Tolerance nominal Ø | e8 |
| Corner rounding r_v | 0.2 mm |
| Cutting edge Ø D_c | 5 mm |
| Recess Ø D_1 | 4.8 mm |
| Overhang length L_1 incl. recess | 19 mm |
| Balance quality with shank | G 2.5 with HB |
| Feed f_z for side milling in Inconel® | 0.04 mm |
| Shank Ø D_s | 6 mm |
| Overall length L | 57 mm |

| | |
|---|----------------------------------|
| Flute length L_c | 13 mm |
| No. of teeth Z | 5 |
| Direction of infeed | horizontal, oblique and vertical |
| Shank | DIN 6535 HB to h6 |
| 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 | | |