

Garant
GARANT Master Ni-Based torus cutter HPC, TiAlN, Ø f8 DC / R1: 16/1,0mm

Order data

| | |
|--------------|---------------|
| Order number | 206373 16/1,0 |
| GTIN | 4062406565466 |
| Item class | 11Z |

Description
Version:

Innovative substrate specially for machining **nickel-based alloys**. Newly developed coating.

Application:

For milling **nickel-based alloys with high red hardness**.

For finishing operations.

Technical description

| | |
|---|-------------------|
| Recess $\varnothing D_1$ | 15.8 mm |
| Overhang length L_1 incl. recess | 61 mm |
| No. of teeth Z | 8 |
| Shank $\varnothing D_s$ | 16 mm |
| Corner radius R_1 | 1 mm |
| Overall length L | 111 mm |
| Helix angle | 50 degrees |
| Flute length L_c | 49 mm |
| Cutting edge $\varnothing D_c$ | 16 mm |
| Shank | DIN 6535 HA to h6 |
| Feed f_z for side milling in Inconel® | 0.06 mm |
| Series | Master Ni-based |

| | |
|---|--------------------------------------|
| Coating | TiAlN |
| Tool material | Solid carbide |
| Standard | Manufacturer's standard |
| Type | N |
| Tolerance nominal \varnothing | e8 |
| Helix angle characteristic | unequal spacing |
| Spacing of the cutters | unequal spacing |
| Direction of infeed | horizontal, oblique and vertical |
| Cutting width a_e for milling operation | Full slot cutting depth $1 \times D$ |
| Cutting width a_e for milling operation | $0.05 \times D$ for copy milling |
| Through-coolant | no |
| Machining strategy | HPC |
| Shank tolerance | h6 |
| Colour ring | pink |
| Type of product | Torus cutter |

User data

| | Suitability | V_c | ISO code |
|-------------|-------------|----------|----------|
| Inconel | suitable | 50 m/min | S |
| wet maximum | suitable | | |