

**Garant**
**GARANT Master INOX solid carbide ball nose slot drill HPC, TiAlN, Ø f8 DC / DS: 3/6 mm**

**Order data**

|              |               |
|--------------|---------------|
| Order number | 207473 3/6    |
| GTIN         | 4062406130282 |
| Item class   | 11X           |

**Description**
**Version:**

HPC milling cutters with **newly developed high-performance coating** for **outstanding service life** and **optimum metal removal rates** in a wide range of stainless steels.

**Greater oxidation resistance** and **high-temperature hardness**.

Can be used at **high cutting speeds**, particularly suitable even for TOOLOX®.

Tolerance: Radius contour = **±0.005 mm**.

No. of teeth Z: 4

Helix angle: 45 degrees

No. of teeth Z: 4

Flute length  $L_c$ : 5 mm

Overall length L: 54 mm

Shank Ø  $D_s$ : 6 mm

Feed  $f_z$  for side milling in INOX < 900 N/mm<sup>2</sup>: 0.006 mm

Feed  $f_z$  for copy milling in stainless steel < 900 N/mm<sup>2</sup>: 0.007 mm

**Technical description**

|                                                             |          |
|-------------------------------------------------------------|----------|
| Flute length $L_c$                                          | 5 mm     |
| Feed $f_z$ for side milling in INOX < 900 N/mm <sup>2</sup> | 0.006 mm |
| Correction factor for $v_c$                                 | 1.25     |
| Cutting edge Ø $D_c$                                        | 3 mm     |
| No. of teeth Z                                              | 4        |

|                                                                       |                                      |
|-----------------------------------------------------------------------|--------------------------------------|
| Helix angle                                                           | 45 degrees                           |
| Feed $f_z$ for copy milling in stainless steel $< 900 \text{ N/mm}^2$ | 0.007 mm                             |
| Overall length L                                                      | 54 mm                                |
| Shank $\varnothing D_s$                                               | 6 mm                                 |
| Radius R                                                              | 1.5 mm                               |
| Series                                                                | GARANT Master INOX                   |
| Coating                                                               | TiAlN                                |
| Tool material                                                         | Solid carbide                        |
| Standard                                                              | Manufacturer's standard              |
| Type                                                                  | N                                    |
| Tolerance nominal $\varnothing$                                       | f8                                   |
| 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 side milling     |
| Shank                                                                 | DIN 6535 HA to h6                    |
| Through-coolant                                                       | no                                   |
| Machining strategy                                                    | HPC                                  |
| Colour ring                                                           | blue                                 |
| Type of product                                                       | End mill                             |

## Services

|                        |           |
|------------------------|-----------|
| Shank grinding Type HB | 129100 HB |
|------------------------|-----------|