

## Garant

### GARANT Master INOX M solid carbide milling cutter HPC / TPC, TiAlN, Ø e8 DC: 10 mm



#### Order data

|              |               |
|--------------|---------------|
| Order number | 202989 10     |
| GTIN         | 4062406245047 |
| Item class   | 11X           |

#### Description

##### Version:

Milling cutter with newly **developed high-performance coating** for **outstanding tool working life** and **optimum metal removal rates** in a wide range of stainless steels. Can be used at high **cutting speeds**, e.g. in duplex steels.

##### Note:

**Successor product to No. 203009.**

Tolerance nominal Ø: e8

No. of teeth Z: 4

Helix angle: 42 degrees

Direction of infeed: horizontal, oblique and vertical

Shank: DIN 6535 HB to h6

No. of teeth Z: 4

Flute length  $L_c$ : 22 mm

Overhang length  $L_1$  incl. recess: 30 mm

Recess Ø  $D_1$ : 9.7 mm

Overall length L: 72 mm

Shank Ø  $D_s$ : 10 mm

#### Technical description

|   |                   |
|---|-------------------|
| Shank   | DIN 6535 HB to h6 |
| Feed $f_z$ for side milling in INOX > 900 N/mm <sup>2</sup> | 0.08 mm           |
| No. of teeth Z  | 4                 |
| Helix angle   | 42 degrees        |

|   |                                      |
|---|--------------------------------------|
| Overall length L  | 72 mm                                |
| Feed $f_z$ for slot milling in stainless steel $> 900 \text{ N/mm}^2$ | 0.07 mm                              |
| Direction of infeed   | horizontal, oblique and vertical     |
| Recess $\varnothing D_1$  | 9.7 mm                               |
| Overhang length $L_1$ incl. recess                                    | 30 mm                                |
| Cutting edge $\varnothing D_c$  | 10 mm                                |
| Tolerance nominal $\varnothing$                                       | e8                                   |
| Flute length $L_c$  | 22 mm                                |
| Shank $\varnothing D_s$   | 10 mm                                |
| Corner rounding $r_v$   | 0.2 mm                               |
| Series  | GARANT Master INOX                   |
| Coating   | TiAlN                                |
| Tool material   | Solid carbide                        |
| Standard  | Manufacturer's standard              |
| Type  | N                                    |
| Helix angle characteristic  | unequal spacing                      |
| Spacing of the cutters  | unequal spacing                      |
| Cutting width $a_e$ for milling operation                             | Full slot cutting depth $1 \times D$ |
| Cutting width $a_e$ for milling operation                             | $0.03 \times D$ for copy milling     |
| Cutting width $a_e$ for milling operation                             | $0.1 \times D$                       |
| Through-coolant   | no                                   |
| Machining strategy  | HPC                                  |
| Machining strategy  | TPC                                  |
| Colour ring   | blue                                 |
| Type of product   | End mill                             |

## Services

|                        |             |
|------------------------|-------------|
| Shank recess Type FRST | 209900 FRST |
|------------------------|-------------|

