

## Garant

### GARANT Master INOX solid carbide torus cutter HPC DIN 6535 HA, TiAlN, Ø DC / R1: 3/0,5 mm



#### Order data

|              |               |
|--------------|---------------|
| Order number | 206345 3/0,5  |
| GTIN         | 4045197851925 |
| Item class   | 11X           |

#### Description

##### Version:

Dimensions similar to DIN 6527.

HPC milling cutter with **newly developed high-performance coating**.

For **outstanding tool life** and **optimum metal removal rate** in a very wide range of stainless steels.

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

##### Advantage:

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

No. of teeth Z: 4

Helix angle: 40 degrees

Shank: DIN 6535 HA to h6

No. of teeth Z: 4

Flute length  $L_c$ : 8 mm

Corner radius  $R_1$ : 0.5 mm

Overhang length  $L_1$  incl. recess: 14 mm

Recess  $\varnothing D_1$ : 2.9 mm

Overall length L: 57 mm

#### Technical description

|                          |        |
|--------------------------|--------|
| Overall length L         | 57 mm  |
| Flute length $L_c$       | 8 mm   |
| Recess $\varnothing D_1$ | 2.9 mm |
| Corner radius $R_1$      | 0.5 mm |

|   |                                  |
|---|----------------------------------|
| Cutting edge $\varnothing D_c$  | 3 mm                             |
| Feed $f_z$ for copy milling in stainless steel $> 900 \text{ N/mm}^2$ | 0.016 mm                         |
| Feed $f_z$ for side milling in INOX $> 900 \text{ N/mm}^2$            | 0.013 mm                         |
| Shank $\varnothing D_s$   | 6 mm                             |
| No. of teeth Z  | 4                                |
| Overhang length $L_1$ incl. recess                                    | 14 mm                            |
| Shank   | DIN 6535 HA to h6                |
| Helix angle   | 40 degrees                       |
| Series  | GARANT Master INOX               |
| Coating   | TiAlN                            |
| Tool material   | Solid carbide                    |
| Standard  | Manufacturer's standard          |
| Type  | N                                |
| Tolerance nominal $\varnothing$                                       | h10                              |
| 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                             | $0.3 \times D$ for side milling  |
| 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   | blue                             |
| Type of product   | End mill                         |

## Services

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