

**Garant**
**GARANT Master Steel solid carbide torus cutter HPC, TiAlN, Ø DC / R1: 10/3,0 mm**

**Order data**

|              |               |
|--------------|---------------|
| Order number | 206359 10/3,0 |
| GTIN         | 4045197943460 |
| Item class   | 11X           |

**Description**
**Version:**

Dimensions to DIN 6527 and 38° flutes.

Tolerance: Corner radius  $R_1 = \pm 0.01$  mm.

**Advantage:**

HPC milling cutters with various corner radii for all radial transitions.

Optimised flute form, eccentric relief ground, wide chip space.

No. of teeth Z: 4

Helix angle: 38 degrees

Shank: DIN 6535 HB to h6

No. of teeth Z: 4

Flute length  $L_c$ : 22 mm

Corner radius  $R_1$ : 3 mm

Overhang length  $L_1$  incl. recess: 38 mm

Recess Ø  $D_1$ : 9.7 mm

Overall length L: 80 mm

**Technical description**

|  |            |
|--|------------|
| Flute length $L_c$   | 22 mm      |
| Corner radius $R_1$  | 3 mm       |
| Feed $f_z$ for slot milling in steel < 900 N/mm <sup>2</sup> | 0.06 mm    |
| Overhang length $L_1$ incl. recess                           | 38 mm      |
| Helix angle  | 38 degrees |

|  |                                  |
|--|----------------------------------|
| Cutting edge $\varnothing D_c$                               | 10 mm                            |
| Shank  | DIN 6535 HB to h6                |
| No. of teeth Z   | 4                                |
| Overall length L   | 80 mm                            |
| Shank $\varnothing D_s$                                      | 10 mm                            |
| Recess $\varnothing D_1$                                     | 9.7 mm                           |
| Feed $f_z$ for side milling in steel < 900 N/mm <sup>2</sup> | 0.08 mm                          |
| Series   | GARANT Master Steel              |
| Coating  | TiAlN                            |
| Tool material  | Solid carbide                    |
| Standard   | Manufacturer's standard          |
| Type   | N                                |
| Tolerance nominal $\varnothing$                              | f8                               |
| 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×D      |
| Cutting width $a_e$ for milling operation                    | 0.3×D for side milling           |
| Through-coolant  | no                               |
| Machining strategy   | HPC                              |
| Colour ring  | green                            |
| Type of product  | End mill                         |