

**Garant**
**Solid carbide torus cutter, DLC, Ø h6 DC / R1: 20/5,0 mm**

**Order data**

|              |               |
|--------------|---------------|
| Order number | 206250 20/5,0 |
| GTIN         | 4062406127848 |
| Item class   | 11X           |

**Description**
**Version:**

Dimensions to manufacturer's standard.

With the latest generation of **DLC coating sp<sup>2</sup>**.

**Eccentric relief ground**, additionally **polish ground** in the flutes for **outstanding chip evacuation** in long-chipping aluminium components.

Tolerances:

- **Corner radius**

**R<sub>1</sub> = 0.5 tolerance ±0.02.**

**R<sub>1</sub> > 0.5 – 1.5 tolerance ±0.03.**

**R<sub>1</sub> > 1.5 tolerance ±0.05.**

**Note:**

**NEW GENERATION AVAILABLE! Recommended successor product is No. 206261.**

No. of teeth Z: 3

Helix angle: 45 degrees

Shank: DIN 6535 HA to h6

Balance quality with shank: G 2.5 with HA

No. of teeth Z: 3

Flute length L<sub>c</sub>: 32 mm

Corner radius R<sub>1</sub>: 5 mm

Overhang length L<sub>1</sub> incl. recess: 98 mm

Recess Ø D<sub>1</sub>: 19 mm

Overall length L: 150 mm

**Technical description**

|                         |       |
|-------------------------|-------|
| Recess Ø D <sub>1</sub> | 19 mm |
| Shank Ø D <sub>s</sub>  | 20 mm |

|   |                                  |
|---|----------------------------------|
| Shank   | DIN 6535 HA to h6                |
| Overall length L  | 150 mm                           |
| No. of teeth Z  | 3                                |
| Feed $f_z$ for copy milling in short-chipping aluminium | 0.13 mm                          |
| Overhang length $L_1$ incl. recess                      | 98 mm                            |
| Corner radius $R_1$                                     | 5 mm                             |
| Cutting edge $\varnothing D_c$                          | 20 mm                            |
| Feed $f_z$ for side milling in short-chipping aluminium | 0.12 mm                          |
| Balance quality with shank                              | G 2.5 with HA                    |
| Flute length $L_c$                                      | 32 mm                            |
| Helix angle   | 45 degrees                       |
| Coating   | DLC                              |
| Tool material   | Solid carbide                    |
| Standard  | Manufacturer's standard          |
| Type  | W                                |
| Tolerance nominal $\varnothing$                         | h6                               |
| Direction of infeed                                     | horizontal, oblique and vertical |
| Cutting width $a_e$ for milling operation               | 0.3×D for side milling           |
| Cutting width $a_e$ for milling operation               | 0.05×D for copy milling          |
| Through-coolant   | no                               |
| Shank tolerance   | h6                               |
| Colour ring   | yellow                           |
| Type of product   | End mill                         |

## Services

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