

**Garant**
**Solid carbide ball nose slot drill, Diamond, Ø f8 DC / DS: 2 mm**

**Order data**

|              |               |
|--------------|---------------|
| Order number | 209776 2      |
| GTIN         | 4045197544155 |
| Item class   | 11Y           |

**Description**
**Version:**

With the latest generation of **crystalline diamond coating sp<sup>3</sup>**, for process reliability in machining **fibre-reinforced composites, CRP, GRP and graphite**. Double relief ground side clearance angle.

Tolerance: Radius contour = **±0.01 mm**.

No. of teeth Z: 2

Helix angle: 30 degrees

No. of teeth Z: 2

Flute length L<sub>c</sub>: 4 mm

Overhang length L<sub>1</sub> incl. recess: 8 mm

Recess Ø D<sub>1</sub>: 1.92 mm

Overall length L: 50 mm

Shank Ø D<sub>s</sub>: 3 mm

**Technical description**

|  |          |
|--|----------|
| Feed f <sub>z</sub> for copy milling in graphite | 0.022 mm |
| Feed f <sub>z</sub> for side milling in graphite | 0.022 mm |
| No. of teeth Z                                   | 2        |
| Overhang length L <sub>1</sub> incl. recess      | 8 mm     |
| Recess Ø D <sub>1</sub>                          | 1.92 mm  |
| Cutting edge Ø D <sub>c</sub>                    | 2 mm     |
| Shank Ø D <sub>s</sub>                           | 3 mm     |

|  |                                  |
|--|----------------------------------|
| Overall length L                                   | 50 mm                            |
| Flute length L <sub>c</sub>                        | 4 mm                             |
| Helix angle  | 30 degrees                       |
| Radius R   | 1 mm                             |
| Coating  | Diamond                          |
| Tool material                                      | Solid carbide                    |
| Standard   | Manufacturer's standard          |
| Tolerance nominal Ø                                | f8                               |
| Direction of infeed                                | horizontal, oblique and vertical |
| Cutting width a <sub>e</sub> for milling operation | 0.05×D for copy milling          |
| Cutting width a <sub>e</sub> for milling operation | 0.2×D for side milling           |
| Shank  | DIN 6535 HA with h6              |
| Through-coolant                                    | no                               |
| Colour ring  | black                            |
| Type of product                                    | End mill                         |