

**Garant**
**Diabolo solid carbide ball nose slot drill HPC, TiAlN, Ø f8 DC / DS: 10 mm**

**Order data**

|              |               |
|--------------|---------------|
| Order number | 207472 10     |
| GTIN         | 4045197600622 |
| Item class   | 11X           |

**Description**
**Version:**
**GARANT Diabolo:**

Special geometry, newly developed coating and carbide for hard machining. 4 centre cutting edges to the centre. Therefore can be used as a true **4-edge drill** at all depths of cut.

Tolerance: Radius contour = **±0.005 mm.**

No. of teeth Z: 4

Helix angle: 30 degrees

No. of teeth Z: 4

Flute length  $L_c$ : 14 mm

Overall length L: 66 mm

Shank Ø  $D_s$ : 10 mm

Feed  $f_z$  for side milling in steel < 65 HRC: 0.07 mm

Feed  $f_z$  for copy milling in steel < 65 HRC: 0.07 mm

**Technical description**

|   |         |
|---|---------|
| Feed $f_z$ for side milling in steel < 65 HRC | 0.07 mm |
| Feed $f_z$ for copy milling in steel < 65 HRC | 0.07 mm |
| No. of teeth Z                                | 4       |
| Cutting edge Ø $D_c$                          | 10 mm   |
| Shank Ø $D_s$                                 | 10 mm   |
| Overall length L                              | 66 mm   |
| Flute length $L_c$                            | 14 mm   |

|   |                                  |
|---|----------------------------------|
| Helix angle                               | 30 degrees                       |
| Radius R                                  | 5 mm                             |
| Series                                    | Diabolo                          |
| Coating                                   | TiAlN                            |
| Tool material                             | Solid carbide                    |
| Standard                                  | Manufacturer's standard          |
| Type                                      | H                                |
| Tolerance nominal $\varnothing$           | f8                               |
| Direction of infeed                       | horizontal, oblique and vertical |
| Cutting width $a_e$ for milling operation | 0.05×D for copy milling          |
| Cutting width $a_e$ for milling operation | 0.2×D for side milling           |
| Shank                                     | DIN 6535 HA to h6                |
| Through-coolant                           | no                               |
| Machining strategy                        | HPC                              |
| Colour ring                               | red                              |
| Type of product                           | End mill                         |

## Services

|                        |             |
|------------------------|-------------|
| Shank recess Type FRST | 209900 FRST |
| Shank grinding Type HB | 129100 HB   |