

**Garant**
**Diabolo solid carbide milling cutter HPC, TiAlN, Ø e8 DC: 6 mm**

**Order data**

|              |               |
|--------------|---------------|
| Order number | 203382 6      |
| GTIN         | 4045197597601 |
| Item class   | 11X           |

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

Special geometry, coating and carbide, specially for hard machining.

**Application:**

**For profile milling as finishing.**

(Plunge cutting only to shallow depths).

Tolerance nominal Ø: e8

No. of teeth Z: 6

Helix angle: 50 degrees

Direction of infeed: horizontal and oblique

Shank: DIN 6535 HA to h6

No. of teeth Z: 6

Flute length  $L_c$ : 16 mm

Overhang length  $L_1$  incl. recess: 40 mm

Recess Ø  $D_1$ : 5.8 mm

Overall length L: 80 mm

Shank Ø  $D_s$ : 6 mm

**Technical description**

|   |          |
|---|----------|
| Overhang length $L_1$ incl. recess            | 40 mm    |
| No. of teeth Z                                | 6        |
| Feed $f_z$ for side milling in steel < 65 HRC | 0.014 mm |
| Cutting edge Ø $D_c$                          | 6 mm     |
| Recess Ø $D_1$                                | 5.8 mm   |

|   |                         |
|---|-------------------------|
| Shank $\varnothing D_s$                   | 6 mm                    |
| Overall length L                          | 80 mm                   |
| Flute length $L_c$                        | 16 mm                   |
| Direction of infeed                       | horizontal and oblique  |
| Shank                                     | DIN 6535 HA to h6       |
| Tolerance nominal $\varnothing$           | e8                      |
| Helix angle                               | 50 degrees              |
| Corner chamfer angle                      | 90 degrees              |
| Series                                    | Diabolo                 |
| Coating                                   | TiAlN                   |
| Tool material                             | Solid carbide           |
| Standard                                  | Manufacturer's standard |
| Type                                      | H                       |
| Helix angle characteristic                | unequal spacing         |
| Cutting width $a_e$ for milling operation | 0.05×D for side milling |
| 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   |