

**Garant**
**Solid carbide HPC drill Weldon shank DIN 6535 HB, DLC, Ø DC h7: 4,6 mm**

**Order data**

|              |               |
|--------------|---------------|
| Order number | 122307 4,6    |
| GTIN         | 4045197756602 |
| Item class   | 11E           |

**Description**
**Version:**

**DLC coating sp<sup>2</sup>** of the latest generation with **low coefficient of friction** results in **outstanding chip clearance**. For **high-performance milling** of aluminium materials. **High roundness** and **alignment accuracy of the deep hole**, thanks to **6 guide chamfers**.

**Recommendation:**
**Maximum drilling depth:**

clamping slot length (see table) less 1.5×nominal Ø.

**Note:**

Flute length  $L_c = L_2 + 1.5 \times D_c$ .

Standard: DIN 6537 K

Tolerance nominal Ø: h7

Number of cutting edges Z: 2

Tolerance nominal Ø: h7

recommended maximum drilling depth  $L_2$ : 17.1 mm

Overall length L: 66 mm

Shank Ø  $D_s$ : 6 mm

Feed f in aluminium short-chipping: 0.35 mm/rev.

**Technical description**

|                     |        |
|---------------------|--------|
| Overall length L    | 66 mm  |
| Nominal Ø $D_c$     | 4.6 mm |
| Flute length $L_c$  | 24 mm  |
| Shank tolerance     | h6     |
| Tolerance nominal Ø | h7     |

|   |                   |
|---|-------------------|
| Standard  | DIN 6537 K        |
| Number of cutting edges Z                         | 2                 |
| Shank $\varnothing D_s$                           | 6 mm              |
| Feed f in aluminium short-chipping                | 0.35 mm/rev.      |
| recommended maximum drilling depth L <sub>2</sub> | 17.1 mm           |
| Coating   | DLC               |
| Tool material                                     | solid carbide     |
| Drill depth up to                                 | 4xD               |
| Type  | W                 |
| Point angle                                       | 135 degrees       |
| Shank   | DIN 6535 HB to h6 |
| Through-coolant                                   | Yes, with 25 bar  |
| Machining strategy                                | HPC               |
| Semi-Standard                                     | yes               |
| Colour ring                                       | yellow            |
| Type of product                                   | Jobber drill      |