

## Garant

### Solid carbide HPC drill, plain shank DIN 6535 HA, DLC, Ø DC h7: 5,9 mm



#### Order data

|              |               |
|--------------|---------------|
| Order number | 122602 5,9    |
| GTIN         | 4045197752666 |
| 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 alignment accuracy** and **roundness of the hole**, thanks to **6 guide chamfers**.

Size 1 - 1.5 with 4 guide chamfers.

##### Recommendation:

##### Maximum drilling depth:

flute length (see table) less 1.5×nominal Ø.

##### Note:

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

Form HB and HE supplied at the same price as HA.

Form **HB**: order with **No. 122603**.

Form **HE**: order with **No. 122602 + 129100HE**.

Standard: DIN 6537

Tolerance nominal Ø: h7

Number of cutting edges Z: 2

Tolerance nominal Ø: h7

recommended maximum drilling depth  $L_2$ : 35.2 mm

Overall length L: 82 mm

Shank Ø  $D_s$ : 6 mm

Feed f in aluminium short-chipping: 0.45 mm/rev.

#### Technical description

|                     |       |
|---------------------|-------|
| Tolerance nominal Ø | h7    |
| Flute length $L_c$  | 44 mm |

|  |                   |
|--|-------------------|
| Standard                                 | DIN 6537          |
| Overall length L                         | 82 mm             |
| Feed f in aluminium short-chipping       | 0.45 mm/rev.      |
| Number of cutting edges Z                | 2                 |
| Nominal $\varnothing D_c$                | 5.9 mm            |
| Shank tolerance                          | h6                |
| Shank $\varnothing D_s$                  | 6 mm              |
| recommended maximum drilling depth $L_2$ | 35.2 mm           |
| Coating                                  | DLC               |
| Tool material                            | solid carbide     |
| Drill depth up to                        | 6xD               |
| Type                                     | W                 |
| Point angle                              | 135 degrees       |
| Shank                                    | DIN 6535 HA to h6 |
| Through-coolant                          | yes, with 25 bar  |
| Machining strategy                       | HPC               |
| Semi-Standard                            | yes               |
| Colour ring                              | yellow            |
| Type of product                          | Jobber drill      |

## Services

|                        |           |
|------------------------|-----------|
| Shank grinding Type HE | 129100 HE |
|------------------------|-----------|