

**Garant**
**Solid carbide HPC drill Weldon shank DIN 6535 HB, DLC, Ø DC h7: 16,5 mm**

**Order data**

|              |               |
|--------------|---------------|
| Order number | 122603 16,5   |
| GTIN         | 4045197758446 |
| Item class   | 11E           |

**Description**
**Version:**

**DLC coating  $sp^2$**  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  $1.5 \times$  nominal  $\varnothing$ .

**Note:**

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

Standard: DIN 6537

Tolerance nominal  $\varnothing$ : h7

Number of cutting edges Z: 2

Tolerance nominal  $\varnothing$ : h7

recommended maximum drilling depth  $L_2$ : 68.3 mm

Overall length L: 143 mm

Shank  $\varnothing D_s$ : 18 mm

Feed f in aluminium short-chipping: 0.7 mm/rev.

**Technical description**

|                           |          |
|---------------------------|----------|
| Shank tolerance           | h6       |
| Flute length $L_c$        | 93 mm    |
| Standard                  | DIN 6537 |
| Nominal $\varnothing D_c$ | 16.5 mm  |
| Overall length L          | 143 mm   |

|  |                   |
|--|-------------------|
| Feed f in aluminium short-chipping       | 0.7 mm/rev.       |
| Number of cutting edges Z                | 2                 |
| Tolerance nominal $\varnothing$          | h7                |
| Shank $\varnothing D_s$                  | 18 mm             |
| recommended maximum drilling depth $L_2$ | 68.3 mm           |
| Coating                                  | DLC               |
| Tool material                            | solid carbide     |
| Drill depth up to                        | 6xD               |
| 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      |