

**Garant**
**Solid carbide HPC drill, plain shank DIN 6535 HA, DLC, Ø DC h7: 10,06-Xmm**


## Order data

|              |                |
|--------------|----------------|
| Order number | 122306 10,06-X |
| GTIN         | 4062406058814  |
| 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.

### 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. 122307**.

Form **HE**: order with **No. 122306 + 129100HE**. Delivery time: 12 working weeks

Minimum order quantity: 3 pcs

Items made to order for a specific customer:

Cancellation only up to a maximum of 3 working days after receipt of order acknowledgement.

Items cannot be returned. We reserve the right to over-deliver or under-deliver by  $\pm 10\%$  (minimum 1 piece).

## Technical description

|                                    |              |
|------------------------------------|--------------|
| Number of cutting edges Z          | 2            |
| Feed f in aluminium short-chipping | 0.55 mm/rev. |
| Standard                           | DIN 6537 K   |
| Shank Ø D <sub>s</sub>             | 12 mm        |
| Tolerance nominal Ø                | h7           |
| Overall length L                   | 102 mm       |

|                    |                   |
|--------------------|-------------------|
| Flute length $L_c$ | 55 mm             |
| Ø range            | 10.06 - 12.05 mm  |
| Coating            | DLC               |
| Tool material      | solid carbide     |
| Version            | 4×D               |
| 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      |

## User data

|                            | Suitability | $V_c$     | ISO code |
|----------------------------|-------------|-----------|----------|
| Alu plastics               | suitable    | 360 m/min | N        |
| Aluminium (short chipping) | suitable    | 400 m/min | N        |
| Alu > 10% Si               | suitable    | 350 m/min | N        |
| PMMA acrylic               | suitable    | 150 m/min | N        |
| PEEK                       | suitable    | 120 m/min | N        |
| PVDF GF20                  | suitable    | 90 m/min  | N        |
| PA 66 GF30                 | suitable    | 80 m/min  | N        |
| PEEK GF30                  | suitable    | 70 m/min  | N        |
| PTFE CF25                  | suitable    | 80 m/min  | N        |
| Cu                         | suitable    | 160 m/min | N        |
| CuZn                       | suitable    | 200 m/min | N        |
| GRP                        | suitable    | 80 m/min  | N        |

|             |          |          |   |
|-------------|----------|----------|---|
| CRP         | suitable | 80 m/min | N |
| wet maximum | suitable |          |   |
| wet minimum | suitable |          |   |