

## Garant

**Solid carbide special drill DIN 6535 HA, uncoated, Ø DC ±0.003: 5,97 mm**



### Order data

|              |               |
|--------------|---------------|
| Order number | 121201 5,97   |
| GTIN         | 4045197715739 |
| Item class   | 11E           |

### Description

#### Version:

**Spiral flute** precision drill for plastics. **Self-centring** with **1-cutter geometry**, achieves **very high alignment accuracy**. **Polished** helical flutes for **optimum chip evacuation**.

**Maintains** the **tolerance band IT7** from entry Ø through to exit Ø, **due to special point geometry**.

#### Recommendation:

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

#### 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.121201 + 129100HB**.

Form **HE**: order with **No.121201 + 129100HE**.

Standard: DIN 6537

Tolerance nominal Ø: ±0.003

Number of cutting edges Z: 1

Semi-Standard: yes

Tolerance nominal Ø: ±0.003

recommended maximum drilling depth  $L_2$ : 35.1 mm

Overall length L: 82 mm

Shank Ø  $D_s$ : 6 mm

Feed f in PEEK: 0.15 mm/rev.

### Technical description

|                    |       |
|--------------------|-------|
| Shank tolerance    | h6    |
| Flute length $L_c$ | 44 mm |

|  |                   |
|--|-------------------|
| Nominal $\varnothing D_c$                | 5.97 mm           |
| Number of cutting edges Z                | 1                 |
| Tolerance nominal $\varnothing$          | $\pm 0.003$       |
| Shank $\varnothing D_s$                  | 6 mm              |
| Overall length L                         | 82 mm             |
| Feed f in PEEK                           | 0.15 mm/rev.      |
| Standard                                 | DIN 6537          |
| recommended maximum drilling depth $L_2$ | 35.1 mm           |
| Semi-Standard                            | yes               |
| Coating                                  | uncoated          |
| Tool material                            | Solid carbide     |
| Drill depth up to                        | 5×D               |
| Point angle                              | 120 degrees       |
| Shank                                    | DIN 6535 HA to h6 |
| Through-coolant                          | no                |
| Colour ring                              | without           |
| Type of product                          | Jobber drill      |

## Services

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