

## Garant

**Solid carbide special drill DIN 6535 HA, uncoated, Ø DC ±0.003: 8,02 mm**



### Order data

|              |               |
|--------------|---------------|
| Order number | 121201 8,02   |
| GTIN         | 4045197715920 |
| 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:

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

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

Through-coolant: no

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  $L_2$ : 41 mm

Overall length L: 91 mm

Shank Ø  $D_s$ : 8 mm

Feed f in PEEK: 0.2 mm/rev.

### Technical description

|                 |         |
|-----------------|---------|
| Nominal Ø $D_c$ | 8.02 mm |
|-----------------|---------|

|   |                   |
|---|-------------------|
| Number of cutting edges Z                         | 1                 |
| Flute length L <sub>c</sub>                       | 53 mm             |
| Shank tolerance                                   | h6                |
| Tolerance nominal Ø                               | ±0.003            |
| Shank Ø D <sub>s</sub>                            | 8 mm              |
| Overall length L                                  | 91 mm             |
| Feed f in PEEK                                    | 0.2 mm/rev.       |
| Standard  | DIN 6537          |
| recommended maximum drilling depth L <sub>2</sub> | 41 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 HE | 129100 HE |
| Shank grinding Type HB | 129100 HB |