

## Garant

**Solid carbide HPC drill, plain shank DIN 6535 HA, TiAlSiN, Ø DC m7: 3,5mm**



### Order data

|              |               |
|--------------|---------------|
| Order number | 122680 3,5    |
| GTIN         | 4062406779443 |
| Item class   | 11E           |

### Description

#### Version:

Specially for machining **titanium-based and nickel-based alloys**. With wear-resistant, ultra-smooth TiAlSiN high-performance coating for a **long tool life** combined with **optimum bore quality** and **very low burr formation**.

#### Note:

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

HB and HE shanks are available at the same price as HA.

For **HB**: use order **No. 122681**.

For **HE**: use order **No. 122680** and **129100HE**.

### Technical description

|  |              |
|--|--------------|
| Flute length $L_c$                         | 28.05 mm     |
| Standard                                   | DIN 6537     |
| Shank Ø $D_s$                              | 6 mm         |
| recommended maximum drilling depth $L_2$   | 22.8 mm      |
| Tolerance nominal Ø                        | m7           |
| Number of cutting edges Z                  | 2            |
| Feed f in titanium > 850 N/mm <sup>2</sup> | 0.05 mm/rev. |
| Overall length L                           | 66 mm        |
| Nominal Ø $D_c$                            | 3.5 mm       |
| Coating                                    | TiAlSiN      |

|                    |                   |
|--------------------|-------------------|
| Tool material      | Solid carbide     |
| Version            | 6xD               |
| Point angle        | 140 degrees       |
| Shank              | DIN 6535 HA to h6 |
| Through-coolant    | yes, with 25 bar  |
| Machining strategy | HPC               |
| Semi-Standard      | yes               |
| Colour ring        | pink              |
| Type of product    | Jobber drill      |

### User data

|                            | Suitability | V <sub>c</sub> | ISO code |
|----------------------------|-------------|----------------|----------|
| Ti > 850 N/mm <sup>2</sup> | suitable    |                |          |
| Inconel                    | suitable    |                |          |
| wet maximum                | suitable    |                |          |

### Services

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