

## Garant

**Solid carbide HPC drill Weldon shank DIN 6535 HB, TiAlSiN, Ø DC m7: 6mm**



### Order data

|              |               |
|--------------|---------------|
| Order number | 122681 6      |
| GTIN         | 4062406791797 |
| 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  $L_c = L_2 + 1.5 \times D_c$ .

### Technical description

|   |               |
|---|---------------|
| Shank Ø $D_s$                               | 6 mm          |
| Feed $f$ in titanium $> 850 \text{ N/mm}^2$ | 0.08 mm/rev.  |
| recommended maximum drilling depth $L_2$    | 35 mm         |
| Overall length $L$                          | 82 mm         |
| Number of cutting edges $Z$                 | 2             |
| Flute length $L_c$                          | 44 mm         |
| Tolerance nominal Ø                         | m7            |
| Standard                                    | DIN 6537      |
| Nominal Ø $D_c$                             | 6 mm          |
| Coating                                     | TiAlSiN       |
| Tool material                               | Solid carbide |
| Version                                     | 6xD           |

|                    |                   |
|--------------------|-------------------|
| Point angle        | 140 degrees       |
| Shank              | DIN 6535 HB 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    |                |          |