

**Garant**
**Solid carbide HPC drill, plain shank DIN 6535 HA, TiAlSiN, Ø DC m7: 16mm**

**Order data**

|              |               |
|--------------|---------------|
| Order number | 122480 16     |
| GTIN         | 4062406779399 |
| 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. 122481**.

For **HE**: use order **No. 122480** and **129100HE**.

**Technical description**

|   |              |
|---|--------------|
| recommended maximum drilling depth $L_2$  | 41 mm        |
| Number of cutting edges Z                 | 2            |
| Overall length L                          | 115 mm       |
| Nominal $\varnothing D_c$                 | 16 mm        |
| Feed f in titanium $> 850 \text{ N/mm}^2$ | 0.18 mm/rev. |
| Shank $\varnothing D_s$                   | 16 mm        |
| Tolerance nominal $\varnothing$           | m7           |
| Flute length $L_c$                        | 65 mm        |
| Standard                                  | DIN 6537 K   |
| Coating                                   | TiAlSiN      |

|                    |                   |
|--------------------|-------------------|
| Tool material      | Solid carbide     |
| Version            | 4xD               |
| 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 |
|------------------------|-----------|