

## Garant

### Solid carbide HPC drill Weldon shank DIN 6535 HB, TiAlN, Ø DC h7: 16 mm



#### Order data

|              |               |
|--------------|---------------|
| Order number | 123115 16     |
| GTIN         | 4045197402189 |
| Item class   | 11E           |

#### Description

##### Version:

Cutting chisel edge with **high centring accuracy** due to **strong core and special point geometry**.

Particularly high alignment accuracy due to **4 guide chamfers** which stabilise the drill even at extreme depths!

**Straight major cutting edges** with honed edges and special flute profile for **short chips**, even on long chipping materials.

##### Advantage:

**High process reliability and surface quality of the hole.**

##### Recommendation:

##### Maximum drilling depth:

Flute length (see table) less 1.5×nominal Ø.

##### Note:

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

Standard: Manufacturer's standard

Tolerance nominal Ø: h7

Number of cutting edges Z: 2

Tolerance nominal Ø: h7

recommended maximum drilling depth  $L_2$ : 162 mm

Overall length L: 236 mm

Shank Ø  $D_s$ : 16 mm

Feed f in stainless steel < 900 N/mm<sup>2</sup>: 0.2 mm/rev.

#### Technical description

|                           |       |
|---------------------------|-------|
| Number of cutting edges Z | 2     |
| Nominal Ø $D_c$           | 16 mm |

|   |                         |
|---|-------------------------|
| Feed f in stainless steel < 900 N/mm <sup>2</sup> | 0.2 mm/rev.             |
| Shank tolerance                                   | h6                      |
| Flute length L <sub>c</sub>                       | 186 mm                  |
| Tolerance nominal Ø                               | h7                      |
| Shank Ø D <sub>s</sub>                            | 16 mm                   |
| Overall length L                                  | 236 mm                  |
| Standard  | Manufacturer's standard |
| recommended maximum drilling depth L <sub>2</sub> | 162 mm                  |
| Coating   | TiAlN                   |
| Tool material                                     | Solid carbide           |
| Drill depth up to                                 | 10×D                    |
| Point angle                                       | 135 degrees             |
| Cutting direction                                 | right-hand              |
| Shank   | DIN 6535 HB to h6       |
| Through-coolant                                   | yes, with 25 bar        |
| Machining strategy                                | HPC                     |
| Semi-Standard                                     | yes                     |
| Colour ring                                       | blue                    |
| Type of product                                   | Jobber drill            |