

## Garant

### Diabolo solid carbide HPC drill, plain shank DIN 6535 HA, TiAlN, Ø DC h7: 10,3 mm



#### Order data

|              |               |
|--------------|---------------|
| Order number | 122641 10,3   |
| GTIN         | 4045197969675 |
| Item class   | 11E           |

#### Description

##### Version:

Cutting chisel edge with **high centring accuracy** due to **strong core and special point geometry**. **Convex major cutting edges** with **defined honed edge** ensure the drill has high stability and maximum load capacity.

**Special multi-nano layer coating** for drilling in hardened steels.

##### 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. 122642 / 122652**.

Form **HE**: order with **No. 122641 / 122651 + 129100HE**.

Standard: DIN 6537

Tolerance nominal Ø: h7

Number of cutting edges Z: 2

Tolerance nominal Ø: h7

recommended maximum drilling depth  $L_2$ : 55.6 mm

Overall length L: 118 mm

Shank Ø  $D_s$ : 12 mm

Feed f in steel < 60 HRC: 0.11 mm/rev.

#### Technical description

|                     |          |
|---------------------|----------|
| Tolerance nominal Ø | h7       |
| Standard            | DIN 6537 |

|   |                   |
|---|-------------------|
| Number of cutting edges Z                         | 2                 |
| recommended maximum drilling depth L <sub>2</sub> | 55.6 mm           |
| Nominal Ø D <sub>c</sub>                          | 10.3 mm           |
| Overall length L                                  | 118 mm            |
| Flute length L <sub>c</sub>                       | 71 mm             |
| Shank Ø D <sub>s</sub>                            | 12 mm             |
| Feed f in steel < 60 HRC                          | 0.11 mm/rev.      |
| Series  | Diabolo           |
| Coating   | TiAlN             |
| Tool material                                     | Solid carbide     |
| Drill depth up to                                 | 6×D               |
| Type  | H                 |
| Point angle                                       | 140 degrees       |
| Shank   | DIN 6535 HA to h6 |
| Through-coolant                                   | no                |
| Machining strategy                                | HPC               |
| Semi-Standard                                     | yes               |
| Colour ring                                       | red               |
| Type of product                                   | Jobber drill      |

## Services

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