

**Garant**
**Deep hole drill HSS-E, TiAlN, Ø DC h8: 2,7 mm**

**Order data**

|              |               |
|--------------|---------------|
| Order number | 116063 2,7    |
| GTIN         | 4045197871091 |
| Item class   | 11B           |

**Description**
**Version:**

Significantly **strengthened core** without taper.

Precision ground point.

With **specially shaped slots**. Designed for deep holes up to 10×D and materials with critical chip formation characteristics.

With **TiAlN coating** for long tool lives.

**Recommendation:**
**Maximum drilling depth:**

$$L_2 = L_c - 1.5 \times D_c.$$

**Note:**

Suitable NC spotting drills No. 112120, 112140 and 112170 with **142° tip angle** for enhanced process reliability

Through-coolant: no

Standard: DIN 340

Tolerance nominal Ø: h8

Point angle: 130 degrees

Number of cutting edges Z: 2

recommended maximum drilling depth  $L_2$ : 62 mm

Flute length  $L_c$ : 66 mm

Overall length L: 100 mm

Shank Ø  $D_s$ : 2.7 mm

Feed  $f$  in steel < 750 N/mm<sup>2</sup>: 0.03 mm/rev.

**Technical description**

|                    |        |
|--------------------|--------|
| Overall length L   | 100 mm |
| Flute length $L_c$ | 66 mm  |

|                                                   |              |
|---------------------------------------------------|--------------|
| Standard                                          | DIN 340      |
| Feed f in steel < 750 N/mm <sup>2</sup>           | 0.03 mm/rev. |
| Shank Ø D <sub>s</sub>                            | 2.7 mm       |
| Number of cutting edges Z                         | 2            |
| Nominal Ø D <sub>c</sub>                          | 2.7 mm       |
| recommended maximum drilling depth L <sub>2</sub> | 62 mm        |
| Tolerance nominal Ø                               | h8           |
| Point angle                                       | 130 degrees  |
| Coating                                           | TiAlN        |
| Tool material                                     | HSS E        |
| Type                                              | FS           |
| Helix angle                                       | 38 degrees   |
| Shank                                             | Plain shank  |
| Through-coolant                                   | no           |
| Colour ring                                       | without      |
| Type of product                                   | Jobber drill |