

**Garant**
**Stub drill HSS-E N, TiN, Ø DC h8: 8,2 mm**

**Order data**

|              |               |
|--------------|---------------|
| Order number | 113230 8,2    |
| GTIN         | 4045197005861 |
| Item class   | 11B           |

**Description**
**Version:**

Particularly robust and strong due to strengthened core.  
Ground flutes, with high concentricity.

**Advantage:**

**Ideal for drilling shallow holes (approx. 2 - 4×D)** on NC machines and automatic machines.

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

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

Through-coolant: no

Standard: DIN 1897

Tolerance nominal Ø: h8

Point angle: 130 degrees

Number of cutting edges Z: 2

recommended maximum drilling depth  $L_2$ : 24.7 mm

Flute length  $L_c$ : 37 mm

Overall length L: 79 mm

Shank Ø  $D_s$ : 8.2 mm

Feed f in steel < 900 N/mm<sup>2</sup>: 0.1 mm/rev.

**Technical description**

|                                         |             |
|-----------------------------------------|-------------|
| Nominal Ø $D_c$                         | 8.2 mm      |
| Number of cutting edges Z               | 2           |
| Flute length $L_c$                      | 37 mm       |
| Feed f in steel < 900 N/mm <sup>2</sup> | 0.1 mm/rev. |

|                                          |              |
|------------------------------------------|--------------|
| Tolerance nominal $\varnothing$          | h8           |
| Shank $\varnothing D_s$                  | 8.2 mm       |
| Overall length L                         | 79 mm        |
| Standard                                 | DIN 1897     |
| recommended maximum drilling depth $L_2$ | 24.7 mm      |
| Point angle                              | 130 degrees  |
| Coating                                  | TiN          |
| Tool material                            | HSS E        |
| Type                                     | N            |
| Shank                                    | Plain shank  |
| Through-coolant                          | no           |
| Colour ring                              | without      |
| Type of product                          | Jobber drill |