

**Garant**
**Stub drill HSS-E FS, uncoated, Ø DC h8: 9,5 mm**

**Order data**

|              |               |
|--------------|---------------|
| Order number | 113020 9,5    |
| GTIN         | 4045197002754 |
| Item class   | 11B           |

**Description**
**Version:**

Particularly **robust and strong** due to **strengthened core**.

Ground flutes, with high concentricity.

Bright finish flutes, nitrided lands.

With point geometry shape C up to 3.9 mm; shape S (special) from 4 mm.

**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: 135 degrees

Number of cutting edges Z: 2

recommended maximum drilling depth  $L_2$ : 25.8 mm

Flute length  $L_c$ : 40 mm

Overall length L: 84 mm

Shank Ø  $D_s$ : 9.5 mm

Feed f in steel < 750 N/mm<sup>2</sup>: 0.1 mm/rev.

**Technical description**

|   |             |
|---|-------------|
| Flute length $L_c$                      | 40 mm       |
| Feed f in steel < 750 N/mm <sup>2</sup> | 0.1 mm/rev. |
| Number of cutting edges Z               | 2           |

|  |              |
|--|--------------|
| Nominal $\varnothing D_c$                | 9.5 mm       |
| Tolerance nominal $\varnothing$          | h8           |
| Shank $\varnothing D_s$                  | 9.5 mm       |
| Overall length L                         | 84 mm        |
| Standard                                 | DIN 1897     |
| recommended maximum drilling depth $L_2$ | 25.8 mm      |
| Point angle                              | 135 degrees  |
| Coating                                  | uncoated     |
| Tool material                            | HSS E        |
| Type                                     | FS           |
| Helix angle                              | 38 degrees   |
| Shank                                    | Plain shank  |
| Through-coolant                          | no           |
| Colour ring                              | without      |
| Type of product                          | Jobber drill |