

**Garant**
**Jobber drill long HSS N, uncoated, Ø DC h8: 11,5 mm**

**Order data**

|              |               |
|--------------|---------------|
| Order number | 116000 11,5   |
| GTIN         | 4045197025678 |
| Item class   | 11B           |

**Description**
**Version:**

Vaporised from 2.4 mm. Particularly for deep hole drilling (for deep holes, repeated chip evacuation is necessary).

With point geometry shape A from size 4 mm.

**Advantage:**

Especially suitable for **long reach purposes**. (When used to drill deep holes, low feed rates and frequent drill pecks are necessary).

**Recommendation:**

Maximum drilling depth:

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

**Note:**

Suitable NC spotting drills No. 112103, 112110 and 112160 with **120° tip angle** for enhanced process reliability.

Through-coolant: no

Standard: DIN 340

Tolerance nominal Ø: h8

Point angle: 118 degrees

Number of cutting edges Z: 2

recommended maximum drilling depth  $L_2$ : 110.75 mm

Flute length  $L_c$ : 128 mm

Overall length L: 195 mm

Shank Ø  $D_s$ : 11.5 mm

Feed f in steel < 750 N/mm<sup>2</sup>: 0.07 mm/rev.

**Technical description**

|   |              |
|---|--------------|
| Feed f in steel < 750 N/mm <sup>2</sup> | 0.07 mm/rev. |
|---|--------------|

|  |              |
|--|--------------|
| Number of cutting edges Z                | 2            |
| Nominal $\varnothing D_c$                | 11.5 mm      |
| Flute length $L_c$                       | 128 mm       |
| Tolerance nominal $\varnothing$          | h8           |
| Shank $\varnothing D_s$                  | 11.5 mm      |
| Overall length L                         | 195 mm       |
| Standard                                 | DIN 340      |
| recommended maximum drilling depth $L_2$ | 110.75 mm    |
| Point angle                              | 118 degrees  |
| Coating                                  | uncoated     |
| Tool material                            | HSS          |
| Type                                     | N            |
| Shank                                    | Plain shank  |
| Through-coolant                          | no           |
| Colour ring                              | without      |
| Type of product                          | Jobber drill |