

**Garant**
**Jobber drill, long, HSS-E VA, uncoated, Ø DC h8: 9,1 mm**

**Order data**

Order number	116070 9,1
GTIN	4045197027900
Item class	11B

**Description**
**Version:**

Profile ground. Standard core thickness and core taper. Bright finish.  
With point geometry shape C.

**Advantage:**

For drilling with drill bushes or long reach applications.

**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  $L_2$ : 101.4 mm

Flute length  $L_c$ : 115 mm

Overall length L: 175 mm

Shank Ø  $D_s$ : 9.1 mm

Feed f in stainless steel < 900 N/mm<sup>2</sup>: 0.08 mm/rev.

**Technical description**

Number of cutting edges Z	2
Feed f in stainless steel < 900 N/mm <sup>2</sup>	0.08 mm/rev.
Nominal Ø $D_c$	9.1 mm

Flute length $L_c$	115 mm
Tolerance nominal $\varnothing$	h8
Shank $\varnothing D_s$	9.1 mm
Overall length L	175 mm
Standard	DIN 340
recommended maximum drilling depth $L_2$	101.4 mm
Point angle	130 degrees
Coating	uncoated
Tool material	HSS E
Helix angle	35-40 degrees
Shank	Plain shank
Through-coolant	no
Colour ring	blue
Type of product	Jobber drill