

**Garant**
**HSS jobber drill N, uncoated, Ø DC h8 (mm or inch): 11,9**

**Order data**

Order number	114150 11,9
GTIN	4045197013682
Item class	11B

**Description**
**Version:**

Profile ground: Jobber drill with high pitch accuracy and concentricity as well as precision ground point.

Steam tempered from Ø 2.4 mm.

With point geometry shape C from size 4 mm

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

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

**Note:**

Size 16 - 20: Drills with shank Ø 16 mm.

Through-coolant: no

Standard: DIN 338

Tolerance nominal Ø: h8

Point angle: 118 degrees

Number of cutting edges Z: 2

recommended maximum drilling depth  $L_2$ : 83.2 mm

Flute length  $L_c$ : 101 mm

Overall length L: 151 mm

Shank Ø  $D_s$ : 11.9 mm

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

**Technical description**

Nominal Ø $D_c$	11.9 mm
Flute length $L_c$	101 mm
Number of cutting edges Z	2

Feed f in steel < 750 N/mm <sup>2</sup>	0.1 mm/rev.
Tolerance nominal Ø	h8
Shank Ø D <sub>s</sub>	11.9 mm
Overall length L	151 mm
Standard	DIN 338
recommended maximum drilling depth L <sub>2</sub>	83.2 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