

**Garant**
**HSS jobber drill N, uncoated, Ø DC h8 (mm or inch): 13,8**

**Order data**

Order number	114150 13,8
GTIN	4045197013767
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  $L_2$ : 87.3 mm

Flute length  $L_c$ : 108 mm

Overall length L: 160 mm

Shank Ø  $D_s$ : 13.8 mm

Feed f in steel < 750 N/mm<sup>2</sup>: 0.16 mm/rev.

**Technical description**

Number of cutting edges Z	2
Flute length $L_c$	108 mm
Nominal Ø $D_c$	13.8 mm

Feed f in steel < 750 N/mm <sup>2</sup>	0.16 mm/rev.
Tolerance nominal Ø	h8
Shank Ø D <sub>s</sub>	13.8 mm
Overall length L	160 mm
Standard	DIN 338
recommended maximum drilling depth L <sub>2</sub>	87.3 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