

**Garant**
**Jobber drill HSS-E H, uncoated, Ø DC h8: 4,5 mm**

**Order data**

Order number	114470 4,5
GTIN	4045197019417
Item class	11B

**Description**
**Version:**

**Profile ground:** this ensures high concentricity and pitch accuracy. Precision ground point. Drill for production use.

**Strengthened core,** bright, **flute length to DIN 1897, overall length DIN 338.**

Also for **HARDOX materials.**

With point geometry shape C.

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

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

Through-coolant: no

Standard: DIN 338

Tolerance nominal Ø: h8

Point angle: 135 degrees

Number of cutting edges Z: 2

recommended maximum drilling depth  $L_2$ : 17.3 mm

Flute length  $L_c$ : 24 mm

Overall length L: 80 mm

Shank Ø  $D_s$ : 4.5 mm

Feed f in steel < 750 N/mm<sup>2</sup>: 0.05 mm/rev.

**Technical description**

Number of cutting edges Z	2
Flute length $L_c$	24 mm
Feed f in steel < 750 N/mm <sup>2</sup>	0.05 mm/rev.
Nominal Ø $D_c$	4.5 mm

Tolerance nominal $\varnothing$	h8
Shank $\varnothing D_s$	4.5 mm
Overall length L	80 mm
Standard	DIN 338
recommended maximum drilling depth $L_2$	17.3 mm
Point angle	135 degrees
Coating	uncoated
Tool material	HSS E
Type	H
Shank	Plain shank
Through-coolant	no
Colour ring	pink
Type of product	Jobber drill