

**Garant**
**Jobber drill HSS-E, uncoated, Ø DC h8: 4,8 mm**

**Order data**

Order number	114400 4,8
GTIN	4045197017635
Item class	11B

**Description**
**Version:**

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

**Reinforced core,** bright finish.

With point geometry shape C from size 2 mm

**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: 130 degrees

Number of cutting edges Z: 2

recommended maximum drilling depth  $L_2$ : 44.8 mm

Flute length  $L_c$ : 52 mm

Overall length L: 86 mm

Shank Ø  $D_s$ : 4.8 mm

Feed f in steel < 900 N/mm<sup>2</sup>: 0.05 mm/rev.

**Technical description**

Number of cutting edges Z	2
Feed f in steel < 900 N/mm <sup>2</sup>	0.05 mm/rev.
Nominal Ø $D_c$	4.8 mm
Flute length $L_c$	52 mm
Tolerance nominal Ø	h8

Shank $\varnothing D_s$	4.8 mm
Overall length L	86 mm
Standard	DIN 338
recommended maximum drilling depth $L_2$	44.8 mm
Point angle	130 degrees
Coating	uncoated
Tool material	HSS E
Type	N
Shank	Plain shank
Through-coolant	no
Colour ring	red
Type of product	Jobber drill