

**Garant**
**Jobber drill HSS-E FS, uncoated, Ø DC h8: 11,8 mm**

**Order data**

Order number	114450 11,8
GTIN	4045197019271
Item class	11B

**Description**
**Version:**

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

**Strengthened core.**

Bright finish **parabolic flutes**, from 3 mm nitrided lands.

With point geometry shape C up to size 3.9 mm

With point geometry shape S from size 4 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  $L_2$ : 76.3 mm

Flute length  $L_c$ : 94 mm

Overall length L: 142 mm

Shank Ø  $D_s$ : 11.8 mm

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

**Technical description**

Flute length $L_c$	94 mm
Number of cutting edges Z	2
Nominal Ø $D_c$	11.8 mm

Feed f in steel < 750 N/mm <sup>2</sup>	0.1 mm/rev.
Tolerance nominal Ø	h8
Shank Ø D <sub>s</sub>	11.8 mm
Overall length L	142 mm
Standard	DIN 338
recommended maximum drilling depth L <sub>2</sub>	76.3 mm
Point angle	130 degrees
Coating	uncoated
Tool material	HSS E
Type	FS
Shank	Plain shank
Through-coolant	no
Colour ring	without
Type of product	Jobber drill