

## Garant

### Jobber drill HSS-E FS, uncoated, Ø DC h8: 8,9 mm



#### Order data

Order number	114450 8,9
GTIN	4045197019080
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  $L_2$ : 67.7 mm

Flute length  $L_c$ : 81 mm

Overall length L: 125 mm

Shank Ø  $D_s$ : 8.9 mm

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

#### Technical description

Number of cutting edges Z	2
Feed f in steel < 750 N/mm <sup>2</sup>	0.1 mm/rev.
Flute length $L_c$	81 mm

Nominal $\varnothing D_c$	8.9 mm
Tolerance nominal $\varnothing$	h8
Shank $\varnothing D_s$	8.9 mm
Overall length L	125 mm
Standard	DIN 338
recommended maximum drilling depth $L_2$	67.7 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