

## Garant

### Jobber drill HSS-E FS, uncoated, Ø DC h8: 1,5 mm



#### Order data

Order number	114450 1,5
GTIN	4045197018342
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:

flute length (see table) less 1.5×nominal Ø.

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<sub>2</sub>: 15.8 mm

Flute length L<sub>c</sub>: 18 mm

Overall length L: 40 mm

Shank Ø D<sub>s</sub>: 1.5 mm

Feed f in steel < 750 N/mm<sup>2</sup>: 0.03 mm/rev.

#### Technical description

Number of cutting edges Z	2
Flute length L <sub>c</sub>	18 mm
Nominal Ø D <sub>c</sub>	1.5 mm

Feed f in steel < 750 N/mm <sup>2</sup>	0.03 mm/rev.
Tolerance nominal Ø	h8
Shank Ø D <sub>s</sub>	1.5 mm
Overall length L	40 mm
Standard	DIN 338
recommended maximum drilling depth L <sub>2</sub>	15.8 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

## Accessories

Jobber drill set HSS-E No. 114450 in a case Type 1-10	115320 1-10
Jobber drill set HSS-E No. 114450 in a case Type 1-13	115320 1-13
Jobber drill set HSS-E No. 114500 as refill set Type 1-10	115355 1-10