

Garant
Jobber drill HSS-E FS, uncoated, Ø DC h8: 13 mm

Order data

Order number	114450 13
GTIN	4045197019325
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_2 : 81.5 mm

Flute length L_c : 101 mm

Overall length L: 151 mm

Shank Ø D_s : 13 mm

Feed f in steel < 750 N/mm²: 0.16 mm/rev.

Technical description

Feed f in steel < 750 N/mm ²	0.16 mm/rev.
Flute length L_c	101 mm
Nominal Ø D_c	13 mm

Number of cutting edges Z	2
Tolerance nominal Ø	h8
Shank Ø D _s	13 mm
Overall length L	151 mm
Standard	DIN 338
recommended maximum drilling depth L ₂	81.5 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 1-13	115320 1-13
---	-------------