

Garant
Jobber drill HSS-E FS, uncoated, Ø DC h8: 1,9 mm

Order data

Order number	114450 1,9
GTIN	4045197018380
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 : 19.2 mm

Flute length L_C : 22 mm

Overall length L: 46 mm

Shank Ø D_s : 1.9 mm

Feed f in steel < 750 N/mm²: 0.03 mm/rev.

Technical description

Feed f in steel < 750 N/mm ²	0.03 mm/rev.
Number of cutting edges Z	2
Nominal Ø D_C	1.9 mm

Flute length L_c	22 mm
Tolerance nominal \varnothing	h8
Shank $\varnothing D_s$	1.9 mm
Overall length L	46 mm
Standard	DIN 338
recommended maximum drilling depth L_2	19.2 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