

**Garant**
**Stub drill HSS-E FS, uncoated, Ø DC h8: 6,8 mm**


## Order data

Order number	113020 6,8
GTIN	4045197002464
Item class	11B

## Description

### Version:

Particularly **robust and strong** due to **strengthened core**.

Ground flutes, with high concentricity.

Bright finish flutes, nitrided lands.

With point geometry shape C up to 3.9 mm; shape S (special) from 4 mm.

### Advantage:

**Ideal for drilling shallow holes (approx. 2 - 4×D)** on NC machines and automatic machines.

### Recommendation:

#### Maximum drilling depth:

$$L_2 = L_c - 1.5 \times D_c$$

Through-coolant: no

Standard: DIN 1897

Tolerance nominal Ø: h8

Point angle: 135 degrees

Number of cutting edges Z: 2

recommended maximum drilling depth  $L_2$ : 23.8 mm

Flute length  $L_c$ : 34 mm

Overall length L: 74 mm

Shank Ø  $D_s$ : 6.8 mm

Feed  $f$  in steel < 750 N/mm<sup>2</sup>: 0.07 mm/rev.

## Technical description

Flute length $L_c$	34 mm
Nominal Ø $D_c$	6.8 mm
Number of cutting edges Z	2

Feed f in steel < 750 N/mm <sup>2</sup>	0.07 mm/rev.
Tolerance nominal Ø	h8
Shank Ø D <sub>s</sub>	6.8 mm
Overall length L	74 mm
Standard	DIN 1897
recommended maximum drilling depth L <sub>2</sub>	23.8 mm
Point angle	135 degrees
Coating	uncoated
Tool material	HSS E
Type	FS
Helix angle	38 degrees
Shank	Plain shank
Through-coolant	no
Colour ring	without
Type of product	Jobber drill