

# Stub drill HSS-E FS, uncoated, Ø DC h8: 19,75 mm



## Order data

Order number	113020 19,75
GTIN	4045197003140
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:

flute length (see table) less  $1.5 \times \text{nominal } \emptyset$ .

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<sub>2</sub>: 36.4 mm

Flute length  $L_c$ : 66 mm Overall length L: 131 mm Shank  $\varnothing$  D<sub>s</sub>: 19.75 mm

Feed f in steel < 750 N/mm<sup>2</sup>: 0.2 mm/rev.

# **Technical description**

Feed f in steel < 750 N/mm <sup>2</sup>	0.2 mm/rev.
Number of cutting edges Z	2
Nominal Ø D <sub>c</sub>	19.75 mm

Flute length L <sub>c</sub>	66 mm
Tolerance nominal Ø	h8
Shank Ø D <sub>s</sub>	19.75 mm
Overall length L	131 mm
Standard	DIN 1897
recommended maximum drilling depth $L_2$	36.4 mm
Point angle	135 degrees
Coating	uncoated
Tool material	HSS E
Туре	FS
Helix angle	38 degrees
Shank	Plain shank
Through-coolant	no
Colour ring	without
Type of product	Jobber drill