

## Garant

### Stub drill HSS-E N, uncoated, Ø DC h8: 4,6 mm



#### Order data

Order number	113150 4,6
GTIN	4045197004444
Item class	11B

#### Description

##### Version:

Particularly robust and strong due to strengthened core.

Ground flutes, with high concentricity.

Bright finish.

##### 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×nominal Ø.

Through-coolant: no

Standard: DIN 1897

Tolerance nominal Ø: h8

Point angle: 130 degrees

Number of cutting edges Z: 2

recommended maximum drilling depth L<sub>2</sub>: 17.1 mm

Flute length L<sub>c</sub>: 24 mm

Overall length L: 58 mm

Shank Ø D<sub>s</sub>: 4.6 mm

Feed f in steel < 900 N/mm<sup>2</sup>: 0.05 mm/rev.

#### Technical description

Flute length L <sub>c</sub>	24 mm
Number of cutting edges Z	2
Nominal Ø D <sub>c</sub>	4.6 mm
Feed f in steel < 900 N/mm <sup>2</sup>	0.05 mm/rev.

Tolerance nominal $\varnothing$	h8
Shank $\varnothing D_s$	4.6 mm
Overall length L	58 mm
Standard	DIN 1897
recommended maximum drilling depth $L_2$	17.1 mm
Point angle	130 degrees
Coating	uncoated
Tool material	HSS E
Type	N
Shank	Plain shank
Through-coolant	no
Colour ring	without
Type of product	Jobber drill

## Accessories

Stub drill set HSS-E No. 113150, type N as a refill set,  
without case Type 1-13

113730 1-13