

## Garant

### Stub drill HSS-E N, uncoated, Ø DC h8: 10 mm



#### Order data

|              |               |
|--------------|---------------|
| Order number | 113150 10     |
| GTIN         | 4045197005021 |
| 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  $L_2$ : 28 mm

Flute length  $L_c$ : 43 mm

Overall length L: 89 mm

Shank Ø  $D_s$ : 10 mm

Feed f in steel < 900 N/mm<sup>2</sup>: 0.1 mm/rev.

#### Technical description

|   |             |
|---|-------------|
| Feed f in steel < 900 N/mm <sup>2</sup> | 0.1 mm/rev. |
| Number of cutting edges Z               | 2           |
| Flute length $L_c$                      | 43 mm       |
| Nominal Ø $D_c$                         | 10 mm       |

|  |              |
|--|--------------|
| Tolerance nominal $\varnothing$          | h8           |
| Shank $\varnothing D_s$                  | 10 mm        |
| Overall length L                         | 89 mm        |
| Standard                                 | DIN 1897     |
| recommended maximum drilling depth $L_2$ | 28 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 1-10,5 | 113730 1-10,5 |
| Stub drill set HSS-E No. 113150, type N as a refill set, without case Type 1-13   | 113730 1-13   |
| Stub drill set HSS-E No. 113150, type N as a refill set, without case Type 1-10   | 113730 1-10   |