

**Garant**
**Stub drill with 3 clamping faces HSS-E, uncoated, Ø DC h8: 12 mm**

**Order data**

Order number	113001 12
GTIN	4045197749871
Item class	11B

**Description**
**Version:**

Stable and sturdy stub drill with **strengthened core diameter**. Ground flutes, with high concentricity. Precision ground point. Three **drive flats on the shank** for use in a 3-jaw chuck.

**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: 130 degrees

Number of cutting edges Z: 2

recommended maximum drilling depth  $L_2$ : 33 mm

Flute length  $L_c$ : 51 mm

Overall length L: 102 mm

Shank Ø  $D_s$ : 12 mm

Feed  $f$  in steel < 900 N/mm<sup>2</sup>: 0.16 mm/rev.

**Technical description**

Number of cutting edges Z	2
Shank Ø $D_s$	12 mm
Nominal Ø $D_c$	12 mm
Overall length L	102 mm
Flute length $L_c$	51 mm
Tolerance nominal Ø	h8

Feed f in steel < 900 N/mm <sup>2</sup>	0.16 mm/rev.
Standard	DIN 1897
recommended maximum drilling depth L <sub>2</sub>	33 mm
Point angle	130 degrees
Coating	uncoated
Tool material	HSS E
Type	N
Shank	Three drive flats shank
Through-coolant	no
Colour ring	without
Type of product	Jobber drill