

**Garant**
**Jobber drill long HSS W, uncoated, Ø DC h8: 9 mm**

**Order data**

Order number	116040 9
GTIN	4045197025906
Item class	11B

**Description**
**Version:**

With point geometry shape A from size 2.5 mm.

Strengthened core **without core taper**. Precision ground point. Wide flutes with heavily honed back edges. Bright ground surface finish.

**Advantage:**

For deep hole drilling and for use with drill bushings.

**Recommendation:**
**Maximum drilling depth:**

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

**Note:**

Suitable NC spotting drills No. 112120, 112140 and 112170 with **142° tip angle** for enhanced process reliability.

Through-coolant: no

Standard: DIN 340

Tolerance nominal Ø: h8

Point angle: 130 degrees

Number of cutting edges Z: 2

recommended maximum drilling depth  $L_2$ : 101.5 mm

Flute length  $L_c$ : 115 mm

Overall length L: 175 mm

Shank Ø  $D_s$ : 9 mm

Feed f in aluminium short-chipping: 0.18 mm/rev.

**Technical description**

Feed f in aluminium short-chipping	0.18 mm/rev.
Number of cutting edges Z	2

Nominal $\varnothing D_c$	9 mm
Flute length $L_c$	115 mm
Tolerance nominal $\varnothing$	h8
Shank $\varnothing D_s$	9 mm
Overall length L	175 mm
Standard	DIN 340
recommended maximum drilling depth $L_2$	101.5 mm
Point angle	130 degrees
Coating	uncoated
Tool material	HSS
Type	W
Helix angle	30-40 degrees
Shank	Plain shank
Through-coolant	no
Colour ring	yellow
Type of product	Jobber drill