

**Garant**
**Jobber drill long HSS W, uncoated, Ø DC h8: 4mm**

**Order data**

Order number	116040 4
GTIN	4045197025791
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.

**Technical description**

Nominal Ø D <sub>c</sub>	4 mm
Flute length L <sub>c</sub>	78 mm
Number of cutting edges Z	2
Feed f in aluminium short-chipping	0.05 mm/rev.
Tolerance nominal Ø	h8
Shank Ø D <sub>s</sub>	4 mm
Overall length L	119 mm
Standard	DIN 340
recommended maximum drilling depth L <sub>2</sub>	72 mm

Point angle	130 degrees
Shank	Plain shank
Coating	uncoated
Tool material	HSS
Type	W
Helix angle	30-40 degrees
Through-coolant	no
Colour ring	yellow
Type of product	Jobber drill

### User data

	Suitability	V <sub>c</sub>	ISO code
Alu plastics	suitable	70 m/min	N
Aluminium (short chipping)	suitable	45 m/min	N
Alu > 10% Si	suitable only under restricted conditions	40 m/min	N
Oil	suitable		
wet maximum	suitable		