

**Garant**
**HSS jobber drill W, uncoated, Ø DC h8: 3,1mm**

**Order data**

Order number	114200 3,1
GTIN	4045197015396
Item class	11B

**Description**
**Version:**

Standard core without core taper.  
 Precision ground point.  
 Ground flute with high helix.  
 Bright ground surface finish.  
 With point geometry shape A from size 2.0 mm.

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

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

**Technical description**

Number of cutting edges Z	2
Nominal Ø D <sub>c</sub>	3.1 mm
Flute length L <sub>c</sub>	36 mm
Tolerance nominal Ø	h8
Shank Ø D <sub>s</sub>	3.1 mm
Overall length L	65 mm
Feed f in long-chipping aluminium plastics	0.05 mm/rev.
Standard	DIN 338
recommended maximum drilling depth L <sub>2</sub>	31.4 mm
Point angle	130 degrees
Shank	Plain shank

Coating	uncoated
Tool material	HSS
Type	W
Helix angle	35-40 degrees
Through-coolant	no
Colour ring	yellow
Type of product	Jobber drill

### User data

	<b>Suitability</b>	<b>V<sub>c</sub></b>	<b>ISO code</b>
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		