

# Jobber drill extra long HSS FS, uncoated, $\varnothing$ DC h8 $\times$ overall length L: 4X220mm

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Order number	116240 4X220	
GTIN	4045197028679	
Item class	11B	

## **Description**

#### **Version:**

With precision ground point.

Significantly strengthened core without core taper. Bright finish flutes, nitrided chamfers. With point geometry shape C.

#### **Advantage:**

**Special deep hole drills. For particularly deep or recessed holes.** Good chip evacuation due to parabolic flutes, resulting in fewer chip evacuations even in particularly deep holes.

### **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**

Number of cutting edges Z	2	
Feed f in steel < 750 N/mm <sup>2</sup>	0.05 mm/rev.	
Nominal Ø D <sub>c</sub>	4 mm	
Flute length L <sub>c</sub>	150 mm	
Tolerance nominal Ø	h8	
Shank Ø D <sub>s</sub>	4 mm	
Overall length L	220 mm	

Standard	DIN 1869	
recommended maximum drilling depth L <sub>2</sub>	144 mm	
Point angle	130 degrees	
Shank	Plain shank	
Coating	uncoated	
Tool material	HSS	
Туре	FS	
Helix angle	38 degrees	
Through-coolant	no	
Colour ring	without	
Type of product	Jobber drill	

## **User data**

	Suitability	$\mathbf{V}_{\mathrm{c}}$	ISO code
Alu plastics	suitable only under restricted conditions	50 m/min	N
Aluminium (short chipping)	suitable only under restricted conditions	32 m/min	N
Steel < 500 N/mm <sup>2</sup>	suitable	28 m/min	Р
Steel < 750 N/mm <sup>2</sup>	suitable	21 m/min	Р
GG(G)	suitable	18 m/min	K
Oil	suitable		
wet maximum	suitable		