

# Jobber drill, extra long HSS-E FS, uncoated, $\varnothing$ DC h8 $\times$ overall length L: 4,5X235mm

#### **Order data**

Order number	116250 4,5X235		
GTIN	4062406265847		
Item class	11B		

#### **Description**

#### **Version:**

With precision ground point.

Special 4-chamfer relief ground for very good guidance within the bore. 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**

Flute length L <sub>c</sub>	160 mm	
Shank Ø D <sub>s</sub>	4.5 mm	
Standard	DIN 1869	
Nominal Ø D <sub>c</sub>	4.5 mm	
Tolerance nominal Ø	h8	
Number of cutting edges Z	2	

Feed f in steel < 750 N/mm <sup>2</sup>	0.05 mm/rev.	
recommended maximum drilling depth L <sub>2</sub>	153.3 mm	
Overall length L	235 mm	
Point angle	130 degrees	
Shank	Plain shank	
Coating	uncoated	
Tool material	HSS E	
Туре	FS	
Helix angle	38 degrees	
Through-coolant	no	
Colour ring	without	
Type of product	Jobber drill	

## **User data**

	Suitability	$\mathbf{V}_{c}$	ISO code
Alu plastics	suitable only under restricted conditions	55 m/min	N
Aluminium (short chipping)	suitable only under restricted conditions	30 m/min	N
Steel < 500 N/mm <sup>2</sup>	suitable	32 m/min	Р
Steel < 750 N/mm <sup>2</sup>	suitable	25 m/min	Р
Steel < 900 N/mm <sup>2</sup>	suitable	20 m/min	Р
Steel < 1100 N/mm <sup>2</sup>	suitable	5 m/min	Р
INOX < 900 N/mm <sup>2</sup>	suitable only under restricted conditions	8 m/min	М
INOX > 900 N/mm <sup>2</sup>	suitable only under restricted conditions	4 m/min	М
GG(G)	suitable only under restricted conditions	20 m/min	K
Oil	suitable		

## Data sheet

## **⚠** Hoffmann Group

wet maximum suitable