

### Solid carbide HPC drill plain shank DIN 6535 HA, TiAIN, Ø DC h7: 13mm



#### **Order data**

Order number	123110 13		
GTIN	4045197357847		
Item class	11E		

#### **Description**

#### **Version:**

Cutting chisel edge with **high centring accuracy** due to **strong core and special point geometry.** 

Particularly high alignment accuracy due to **4 guide chamfers** which stabilise the drill even at extreme depths!

**Straight major cutting edges** with honed edges and special flute profile for **short chips**, even on long chipping materials.

#### **Advantage:**

High process reliability and surface quality of the hole.

#### Note:

Flute length  $L_c = L_2 + 1.5 \times D_c$ .

Form HB and HE supplied at the same price as HA.

Form **HB**: order with **No. 123115**.

Form **HE**: order with **No. 123110 + 129100 HE**.

## **Technical description**

Feed f in stainless steel < 900 N/mm <sup>2</sup>	0.2 mm/rev.	
Flute length L <sub>c</sub>	160 mm	
Number of cutting edges Z	2	
Nominal Ø D <sub>c</sub>	13 mm	
Shank tolerance	h6	
Tolerance nominal Ø	h7	
Shank Ø D <sub>s</sub> 14 mm		

Overall length L	208 mm	
Standard	Manufacturer's standard	
recommended maximum drilling depth L <sub>2</sub>	140.5 mm	
Coating	TIAIN	
Tool material	Solid carbide	
Version	10×D	
Point angle	135 degrees	
Shank	DIN 6535 HA to h6	
Through-coolant	yes, with 25 bar	
Machining strategy	HPC	
Semi-Standard	yes	
Colour ring	blue	
Type of product	Jobber drill	

## **User data**

	Suitability	<b>V</b> <sub>c</sub>	ISO code
Aluminium (short chipping)	suitable only under restricted conditions	200 m/min	N
Alu > 10% Si	suitable only under restricted conditions	180 m/min	N
Steel < 500 N/mm <sup>2</sup>	suitable	110 m/min	Р
Steel < 750 N/mm <sup>2</sup>	suitable	80 m/min	Р
Steel < 900 N/mm <sup>2</sup>	suitable	70 m/min	Р
INOX < 900 N/mm <sup>2</sup>	suitable	65 m/min	M
$INOX > 900 \text{ N/mm}^2$	suitable	55 m/min	М
Ti > 850 N/mm <sup>2</sup>	suitable	25 m/min	S
wet maximum	suitable		
wet minimum	suitable		

## Services

## Data sheet

# **⚠** Hoffmann Group

Shank grinding Type HE

129100 HE