

## Garant

### GARANT Diabolo solid carbide HPC drill, plain shank DIN 6535 HA, TiAlN, Ø DC h7 (mm or inch): 5,1



#### Order data

Order number	122371 5,1
GTIN	4045197969088
Item class	11E

#### Description

##### Version:

Cutting chisel edge with **high centring accuracy** due to strong core and special point geometry. **Convex major cutting edges** with **defined honed edge** ensure the drill has high stability and maximum load capacity.

**Special multi-nano layer coating** for drilling in hardened steels.

##### 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. 122362 / 122372**.

Form **HE**: order with **No. 122361 / 122371 + 129100HE**.

#### Technical description

Number of cutting edges Z	2
Shank Ø D <sub>s</sub>	6 mm
Feed f in steel < 60 HRC	0.055 mm/rev.
Nominal Ø D <sub>c</sub>	5.1 mm
Overall length L	66 mm
Standard	DIN 6537 K
Flute length L <sub>c</sub>	28 mm
recommended maximum drilling depth L <sub>2</sub>	20.4 mm
Tolerance nominal Ø	h7

Series	Diabolo
Coating	TiAlN
Tool material	Solid carbide
Version	4xD
Type	H
Point angle	140 degrees
Shank	DIN 6535 HA to h6
Through-coolant	yes, with 25 bar
Machining strategy	HPC
Semi-Standard	yes
Colour ring	red
Type of product	Jobber drill

## User data

	Suitability	V <sub>c</sub>	ISO code
Steel < 500 N/mm <sup>2</sup>	suitable only under restricted conditions	120 m/min	P
Steel < 750 N/mm <sup>2</sup>	suitable	100 m/min	P
Steel < 900 N/mm <sup>2</sup>	suitable	85 m/min	P
Steel < 1100 N/mm <sup>2</sup>	suitable	70 m/min	P
Steel < 1400 N/mm <sup>2</sup>	suitable	55 m/min	P
Steel < 55 HRC	suitable	28 m/min	H
Steel < 60 HRC	suitable	16 m/min	H
Steel < 65 HRC	suitable	14 m/min	H
Steel < 67 HRC	suitable	10 m/min	H
GG(G)	suitable	70 m/min	K
Uni	suitable		
wet maximum	suitable		
wet minimum	suitable		

Air  
**Services**

suitable

Shank grinding Type HE

129100 HE