

## Garant

**Solid carbide HPC drill plain shank DIN 6535 HA, TiAlN, Ø DC m6 (Ø DC X = h7)  
(mm or inch): 5/16**



### Order data

Order number	122659 5/16
GTIN	4062406115432
Item class	11E

### Description

#### Version:

Cutting chisel edge with **high centring accuracy** due to **strong core and special point geometry**. High roundness and alignment accuracy of the deep hole, thanks to **4 guide chamfers**. Outstanding chip evacuation due to **4 internal cooling channels** from Ø 3.8 mm. Up to 3.7 mm Ø with 2 internal cooling channels. **Straight major cutting edges** with honed edges and special flute profile for **short chips**, even on long chipping materials.

#### Attention:

Sizes **ending with X** = cutter Ø tolerance **h7**.

#### 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. 122661**.

Form **HE**: order with **No. 122659 + 129100HE**.

Standard: DIN 6537

Tolerance nominal Ø: m6

Number of cutting edges Z: 2

recommended maximum drilling depth  $L_2$ : 41.2 mm

Tolerance nominal Ø: m6

Overall length L: 91 mm

Shank Ø  $D_s$ : 8 mm

Feed f in stainless steel > 900 N/mm<sup>2</sup>: 0.12 mm/rev.

### Technical description

Shank tolerance	h6
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Feed f in stainless steel > 900 N/mm <sup>2</sup>	0.12 mm/rev.
recommended maximum drilling depth L <sub>2</sub>	41.2 mm
Number of cutting edges Z	2
Standard	DIN 6537
Overall length L	91 mm
Flute length L <sub>c</sub>	53 mm
Tolerance nominal Ø	m6
Shank Ø D <sub>s</sub>	8 mm
Inch nominal Ø corresponds to	7.94 mm
Coating	TiAlN
Tool material	Solid carbide
Version	6×D
Point angle	140°
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	V <sub>c</sub>	ISO code
Steel < 500 N/mm <sup>2</sup>	suitable	170 m/min	P
Steel < 750 N/mm <sup>2</sup>	suitable	140 m/min	P
Steel < 900 N/mm <sup>2</sup>	suitable	130 m/min	P
Steel < 1100 N/mm <sup>2</sup>	suitable	110 m/min	P
Steel < 1400 N/mm <sup>2</sup>	suitable	70 m/min	P
INOX < 900 N/mm <sup>2</sup>	suitable	90 m/min	M
INOX > 900 N/mm <sup>2</sup>	suitable	80 m/min	M

GG(G)	suitable	95 m/min	K
wet maximum	suitable		
wet minimum	suitable		
Air	suitable		

**Services**

Shank grinding Type HE	129100 HE
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