

## Garant

**Solid carbide HPC drill plain shank DIN 6535 HA, TiAlN, Ø DC m6 (Ø DC X = h7)  
(mm or inch): 18,8 mm or inch**



### Order data

Order number	122659 18,8
GTIN	4045197456748
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.

#### Recommendation:

##### Maximum drilling depth:

Flute length (see table) less 1.5×nominal Ø.

##### 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

Tolerance nominal Ø: m6

recommended maximum drilling depth  $L_2$ : 72.8 mm

Overall length L: 153 mm

Shank Ø  $D_s$ : 20 mm

Feed f in stainless steel > 900 N/mm<sup>2</sup>: 0.25 mm/rev.

### Technical description

Number of cutting edges Z	2
Flute length L <sub>c</sub>	101 mm
Feed f in stainless steel > 900 N/mm <sup>2</sup>	0.25 mm/rev.
Shank tolerance	h6
Nominal Ø D <sub>c</sub>	18.8 mm
Tolerance nominal Ø	m6
Shank Ø D <sub>s</sub>	20 mm
Overall length L	153 mm
Standard	DIN 6537
recommended maximum drilling depth L <sub>2</sub>	72.8 mm
Coating	TiAlN
Tool material	Solid carbide
Drill depth up to	6×D
Point angle	140 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

## Services

Shank grinding Type HE	129100 HE
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