

## Garant

**Solid carbide HPC drill plain shank DIN 6535 HA, TiAlN, Ø DC m6 (Ø DC X = h7)  
(mm or inch): 14,2**



### Order data

Order number	122659 14,2
GTIN	4045197456601
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  $L_2$ : 61.7 mm

Tolerance nominal Ø: m6

Overall length L: 133 mm

Shank Ø  $D_s$ : 16 mm

Feed f in stainless steel > 900 N/mm<sup>2</sup>: 0.2 mm/rev.

### Technical description

Number of cutting edges Z	2
Shank tolerance	h6

Nominal $\varnothing D_c$	14.2 mm
Flute length $L_c$	83 mm
Feed $f$ in stainless steel $> 900 \text{ N/mm}^2$	0.2 mm/rev.
Tolerance nominal $\varnothing$	m6
Shank $\varnothing D_s$	16 mm
Overall length $L$	133 mm
Standard	DIN 6537
recommended maximum drilling depth $L_2$	61.7 mm
Coating	TiAlN
Tool material	Solid carbide
Version	6xD
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	$V_c$	ISO code
Steel $< 500 \text{ N/mm}^2$	suitable	170 m/min	P
Steel $< 750 \text{ N/mm}^2$	suitable	140 m/min	P
Steel $< 900 \text{ N/mm}^2$	suitable	130 m/min	P
Steel $< 1100 \text{ N/mm}^2$	suitable	110 m/min	P
Steel $< 1400 \text{ N/mm}^2$	suitable	70 m/min	P
INOX $< 900 \text{ N/mm}^2$	suitable	90 m/min	M
INOX $> 900 \text{ N/mm}^2$	suitable	80 m/min	M
GG(G)	suitable	95 m/min	K

wet maximum	suitable
wet minimum	suitable
<del>Air</del>	<del>suitable</del>
<b>Services</b>	
Shank grinding Type HE	129100 HE