

**Garant**

**Solid carbide HPC drill Weldon shank DIN 6535 HB, TiAlN, Ø DC m6 (Ø DC X = h7): 16,8mm**


**Order data**

Order number	122661 16,8
GTIN	4045197458148
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  $L_c = L_2 + 1.5 \times D_c$ .

**Technical description**

Feed f in stainless steel > 900 N/mm <sup>2</sup>	0.25 mm/rev.
Shank tolerance	h6
Number of cutting edges Z	2
Flute length $L_c$	93 mm
Nominal Ø $D_c$	16.8 mm
Tolerance nominal Ø	m6
Shank Ø $D_s$	18 mm
Overall length L	143 mm
Standard	DIN 6537

recommended maximum drilling depth $L_2$	67.8 mm
Coating	TiAlN
Tool material	Solid carbide
Version	6×D
Point angle	140 degrees
Shank	DIN 6535 HB 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 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
Uni	suitable		
wet maximum	suitable		
wet minimum	suitable		
Air	suitable		