

**Garant**
**Solid carbide HPC drill, Weldon shank DIN 6535 HB, TiAlN, Ø DC h7: 18,06-Xmm**

**Order data**

Order number	122385 18,06-X
GTIN	4062406076917
Item class	11E

**Description**
**Version:**

Cutting chisel edge with **high centring accuracy** due to **strong core and special point geometry**. **Straight major cutting edges** with slightly honed edges and special flute profile produce **short chips**.

**Note:**

Flute length  $L_c = L_2 + 1.5 \times D_c$ . Delivery time: 12 working weeks

Minimum order quantity: 3 pcs

Items made to order for a specific customer:

Cancellation only up to a maximum of 3 working days after receipt of order acknowledgement.

Items cannot be returned. We reserve the right to over-deliver or under-deliver by  $\pm 10\%$  (minimum 1 piece).

**Technical description**

Overall length L	131 mm
Flute length $L_c$	79 mm
Standard	DIN 6537 K
Shank $\varnothing D_s$	20 mm
Number of cutting edges Z	2
Tolerance nominal $\varnothing$	h7
Feed f in stainless steel < 900 N/mm <sup>2</sup>	0.2 mm/rev.
$\varnothing$ range	18.06 - 20.05 mm

Coating	TiAlN
Tool material	Solid carbide
Version	4xD
Point angle	135 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 <sub>c</sub>	ISO code
Aluminium (short chipping)	suitable only under restricted conditions	245 m/min	N
Steel < 500 N/mm <sup>2</sup>	suitable	110 m/min	P
Steel < 750 N/mm <sup>2</sup>	suitable	90 m/min	P
Steel < 900 N/mm <sup>2</sup>	suitable	85 m/min	P
Steel < 1100 N/mm <sup>2</sup>	suitable	60 m/min	P
Steel < 1400 N/mm <sup>2</sup>	suitable only under restricted conditions	35 m/min	P
INOX < 900 N/mm <sup>2</sup>	suitable	55 m/min	M
INOX > 900 N/mm <sup>2</sup>	suitable	50 m/min	M
Ti > 850 N/mm <sup>2</sup>	suitable	35 m/min	S
Uni	suitable		
wet maximum	suitable		
wet minimum	suitable		
Air	suitable		

