

**Garant**

**Solid carbide NC high performance drill FS, plain shank DIN 6535 HB, TiAlN, Ø DC h7: 16,06-Xmm**


**Order data**

Order number	122545 16,06-X
GTIN	4062406077884
Item class	11E

**Description**
**Version:**

**Particularly strong** due to strengthened core and **special profile**. Special point geometry. **High concentricity** and **long tool life**. **Precision drilling qualities**.

**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**

Number of cutting edges Z	2
Feed f in steel < 750 N/mm <sup>2</sup>	0.45 mm/rev.
Standard	DIN 6537
Shank Ø D <sub>s</sub>	18 mm
Overall length L	143 mm
Flute length L <sub>c</sub>	93 mm
Tolerance nominal Ø	h7
Ø range	16.06 - 18.05 mm
Coating	TiAlN

Tool material	Solid carbide
Version	6×D
Type	FS
Point angle	140 degrees
Shank	DIN 6535 HB to h6
Through-coolant	no
Semi-Standard	yes
Colour ring	green
Type of product	Jobber drill

### User data

	Suitability	V <sub>c</sub>	ISO code
Alu plastics	suitable	190 m/min	N
Aluminium (short chipping)	suitable	170 m/min	N
Alu > 10% Si	suitable	140 m/min	N
Steel < 500 N/mm <sup>2</sup>	suitable	90 m/min	P
Steel < 750 N/mm <sup>2</sup>	suitable	85 m/min	P
Steel < 900 N/mm <sup>2</sup>	suitable	75 m/min	P
Steel < 1100 N/mm <sup>2</sup>	suitable	65 m/min	P
Steel < 1400 N/mm <sup>2</sup>	suitable	40 m/min	P
INOX < 900 N/mm <sup>2</sup>	suitable only under restricted conditions	40 m/min	M
INOX > 900 N/mm <sup>2</sup>	suitable only under restricted conditions	30 m/min	M
Ti > 850 N/mm <sup>2</sup>	suitable only under restricted conditions	25 m/min	S
GG(G)	suitable only under restricted conditions	70 m/min	K
CuZn	suitable only under restricted conditions	160 m/min	N

Uni	suitable
wet maximum	suitable
dry	suitable