

Garant
**Solid carbide HPC drill type FS plain shank DIN 6535 HA, TiAlN, Ø DC h7:
16,06-Xmm**

Order data

Order number	122670 16,06-X
GTIN	4062406079048
Item class	11E

Description
Version:

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

High bore quality.

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. 122675**.

Form **HE**: order with **No. 122670 + 129100HE**. 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 titanium $> 850 \text{ N/mm}^2$	0.16 mm/rev.
Shank Ø D_s	18 mm
Flute length L_c	93 mm
Standard	DIN 6537
Overall length L	143 mm

Tolerance nominal \varnothing	h7
\varnothing range	16.06 - 18.05 mm
Coating	TiAlN
Tool material	Solid carbide
Version	6xD
Type	FS
Point angle	140 degrees
Shank	DIN 6535 HA to h6
Through-coolant	yes, with 25 bar
Machining strategy	HPC
Semi-Standard	yes
Colour ring	pink
Type of product	Jobber drill

User data

	Suitability	V_c	ISO code
Alu plastics	suitable	260 m/min	N
Aluminium (short chipping)	suitable	240 m/min	N
Alu > 10% Si	suitable	160 m/min	N
Steel < 500 N/mm ²	suitable	110 m/min	P
Steel < 750 N/mm ²	suitable	90 m/min	P
Steel < 900 N/mm ²	suitable	85 m/min	P
Steel < 1100 N/mm ²	suitable	60 m/min	P
Steel < 1400 N/mm ²	suitable only under restricted conditions	30 m/min	P
INOX < 900 N/mm ²	suitable	40 m/min	M
INOX > 900 N/mm ²	suitable	35 m/min	M
Ti > 850 N/mm ²	suitable	35 m/min	S

wet maximum	suitable
wet minimum	suitable
Air	suitable