

**Garant**
**Solid carbide HPC drill plain shank DIN 6535 HA, TiAlN, Ø DC h7: 19,5mm**

**Order data**

Order number	122690 19,5
GTIN	
Item class	11E

**Description**
**Version:**

**3 guide chamfers** for particularly high accuracy and surface quality at tight hole tolerances.

**Asymmetrical tip geometry** for **very high metal removal rates**. New generation of **innovative high-performance drills for cast iron** in the HPC field.

**Advantage:**

For HPC high performance drilling in castings. **Outstandingly suitable for bainite cast iron (ADI).**

**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. 122690 + 129100HB**.

Form **HE**: order with **No. 122690 + 129100HE**.

**Technical description**

Nominal Ø $D_c$	19.5 mm
Feed $f$ in GJS ADI > 800 N/mm <sup>2</sup>	0.46 mm/rev.
Tolerance nominal Ø	h7
Overall length $L$	153 mm
Shank Ø $D_s$	20 mm
Flute length $L_c$	101 mm
recommended maximum drilling depth $L_2$	71.8 mm
Standard	DIN 6537

Number of cutting edges Z	2
Coating	TiAlN
Tool material	Solid carbide
Version	6×D
Point angle	135 °
Shank	DIN 6535 HA to h6
Through-coolant	yes, with 25 bar
Machining strategy	HPC
Semi-Standard	yes
Colour ring	white
Type of product	Jobber drill

## User data

	Suitability	V <sub>c</sub>	ISO code
GG	suitable	110 m/min	K
GGG	suitable	90 m/min	K
GJS, ADI > 800N/mm <sup>2</sup>	suitable	70 m/min	K
wet maximum	suitable		
wet minimum	suitable		

## Services

Shank grinding Type HE	129100 HE
Shank grinding Type HB	129100 HB