

## Garant

**Solid carbide HPC drill plain shank DIN 6535 HA H7, TiAlN, Ø DC: 4,99 mm**



### Order data

Order number	122790 4,99
GTIN	4045197059055
Item class	11E

### Description

#### Version:

**Drilling and reaming in a single operation.** Cutting chisel edge with **high centring accuracy** due to **strong core and special point geometry**. Particularly high alignment accuracy due to **4 guide chamfers**.

#### Advantage:

Very tight **manufacturing tolerances** with **H7 fit** can be produced without additional reaming.

#### Recommendation:

#### Maximum drilling depth:

Flute length (see table) less 1.5×nominal Ø.

#### Note:

Form HB and HE supplied at the same price as HA.

Form **HB**: order with **No. 122790 + 129100HB** .

Form **HE**: order with **No. 122790 + 129100HE**.

Flute length  $L_c = L_2 + 1.5 \times D_c$ .

Solid carbide precision fit drills for machining aluminium available on request.

Machining strategy: HPC

Bore Ø tolerance: H7

Standard: DIN 6537

Number of cutting edges Z: 2

Bore Ø tolerance: H7

recommended maximum drilling depth  $L_2$ : 36.6 mm

Overall length L: 82 mm

Shank Ø  $D_s$ : 6 mm

Feed f in steel < 900 N/mm<sup>2</sup>: 0.16 mm/rev.

### Technical description

Feed f in steel < 900 N/mm <sup>2</sup>	0.16 mm/rev.
Number of cutting edges Z	2
Flute length L <sub>c</sub>	44 mm
Nominal Ø D <sub>c</sub>	4.99 mm
Shank tolerance	h6
Shank Ø D <sub>s</sub>	6 mm
Overall length L	82 mm
Standard	DIN 6537
recommended maximum drilling depth L <sub>2</sub>	36.6 mm
Bore Ø tolerance	H7
Coating	TiAlN
Tool material	Solid carbide
Drill depth up to	6×D
Point angle	140 degrees
Shank	DIN 6535 HA to h6
Through-coolant	yes, with 25 bar
Machining strategy	HPC
Colour ring	green
Type of product	Jobber drill

## Services

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