

## Garant

### Solid carbide HPC drill plain shank DIN 6535 HA, TiAlN, Ø DC h7: 11,5 mm



#### Order data

Order number	123101 11,5
GTIN	4045197452016
Item class	11E

#### Description

##### Version:

Cutting chisel edge with **high centring accuracy** due to **strong core and special point geometry**.

Particularly high alignment accuracy due to **4 guide chamfers** which stabilise the drill even at extreme depths!

**Convex cutting edges** with honed edges and special flute profile for **short chips**, even on long chipping materials.

##### Advantage:

**High process reliability and surface quality of the hole.**

##### Recommendation:

##### Maximum drilling depth:

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

##### 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. 123102**.

Form **HE**: order with **No. 123101 + 129100 HE**.

##### NEW GENERATION AVAILABLE!

**Recommended successor products are No. 123025 and 123035.**

Standard: Manufacturer's standard

Tolerance nominal Ø: h7

Number of cutting edges Z: 2

Tolerance nominal Ø: h7

recommended maximum drilling depth  $L_2$ : 96.8 mm

Overall length L: 162 mm

Shank Ø  $D_s$ : 12 mm

Feed f in steel < 1100 N/mm<sup>2</sup>: 0.2 mm/rev.

## Technical description

Shank tolerance	h6
Feed f in steel < 1100 N/mm <sup>2</sup>	0.2 mm/rev.
Nominal $\varnothing D_c$	11.5 mm
Number of cutting edges Z	2
Flute length L <sub>c</sub>	114 mm
Tolerance nominal $\varnothing$	h7
Shank $\varnothing D_s$	12 mm
Overall length L	162 mm
Standard	Manufacturer's standard
recommended maximum drilling depth L <sub>2</sub>	96.8 mm
Coating	TiAlN
Tool material	Solid carbide
Drill depth up to	8×D
Point angle	135 degrees
Shank	DIN 6535 HA to h6
Through-coolant	yes, with 25 bar
Machining strategy	HPC
Semi-Standard	yes
Colour ring	green
Type of product	Jobber drill

## Services

Shank grinding Type HE	129100 HE
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