

## Garant

**Solid carbide HPC drill Weldon shank DIN 6535 HB, TiAlN, Ø DC h7: 4,6 mm**



### Order data

Order number	123102 4,6
GTIN	4045197458346
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:

clamping slot length (see table) less  $1.5 \times \text{nominal } \varnothing$ .

#### Note:

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

#### **NEW GENERATION AVAILABLE!**

**Recommended successor products are No. 123026 and 123036.**

Standard: Manufacturer's standard

Tolerance nominal  $\varnothing$ : h7

Number of cutting edges Z: 2

Tolerance nominal  $\varnothing$ : h7

recommended maximum drilling depth  $L_2$ : 36.1 mm

Overall length L: 81 mm

Shank  $\varnothing D_s$ : 6 mm

Feed f in steel <  $1100 \text{ N/mm}^2$ : 0.1 mm/rev.

### Technical description

Feed f in steel < $1100 \text{ N/mm}^2$	0.1 mm/rev.
---	-------------

Nominal $\varnothing D_c$	4.6 mm
Number of cutting edges Z	2
Flute length $L_c$	43 mm
Shank tolerance	h6
Tolerance nominal $\varnothing$	h7
Shank $\varnothing D_s$	6 mm
Overall length L	81 mm
Standard	Manufacturer's standard
recommended maximum drilling depth $L_2$	36.1 mm
Coating	TiAlN
Tool material	Solid carbide
Drill depth up to	8×D
Point angle	135 degrees
Cutting direction	right-hand
Shank	DIN 6535 HB to h6
Through-coolant	yes, with 25 bar
Machining strategy	HPC
Semi-Standard	yes
Colour ring	green
Type of product	Jobber drill