

**Garant**
**Solid carbide HPC drill Weldon shank DIN 6535 HB, DLC, Ø DC h7: 12 mm**


## Order data

Order number	122307 12
GTIN	4045197757210
Item class	11E

## Description

### Version:

**DLC coating  $sp^2$**  of the latest generation with **low coefficient of friction** results in **outstanding chip clearance**. For **high-performance milling** of aluminium materials. **High roundness** and **alignment accuracy of the deep hole**, thanks to **6 guide chamfers**.

### Recommendation:

#### Maximum drilling depth:

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

#### Note:

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

Standard: DIN 6537 K

Tolerance nominal  $\varnothing$ : h7

Number of cutting edges Z: 2

Tolerance nominal  $\varnothing$ : h7

recommended maximum drilling depth  $L_2$ : 37 mm

Overall length L: 102 mm

Shank  $\varnothing D_s$ : 12 mm

Feed f in aluminium short-chipping: 0.55 mm/rev.

## Technical description

Feed f in aluminium short-chipping	0.55 mm/rev.
Flute length $L_c$	55 mm
Shank $\varnothing D_s$	12 mm
Nominal $\varnothing D_c$	12 mm
Overall length L	102 mm

Number of cutting edges Z	2
Tolerance nominal $\varnothing$	h7
Shank tolerance	h6
Standard	DIN 6537 K
recommended maximum drilling depth L <sub>2</sub>	37 mm
Coating	DLC
Tool material	solid carbide
Drill depth up to	4xD
Type	W
Point angle	135 degrees
Shank	DIN 6535 HB to h6
Through-coolant	Yes, with 25 bar
Machining strategy	HPC
Semi-Standard	yes
Colour ring	yellow
Type of product	Jobber drill