

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


## Order data

Order number	122306 12
GTIN	4045197751850
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 alignment accuracy** and **roundness of the hole**, thanks to **6 guide chamfers**.

Size 1 - 1.5 with 4 guide chamfers.

### 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. 122307**.

Form **HE**: order with **No. 122306 + 129100HE**.

## Technical description

Tolerance nominal Ø	h7
Flute length $L_c$	55 mm
Standard	DIN 6537 K
Overall length L	102 mm
Nominal Ø $D_c$	12 mm
Feed f in aluminium short-chipping	0.55 mm/rev.
Shank Ø $D_s$	12 mm
Shank tolerance	h6
Number of cutting edges Z	2

recommended maximum drilling depth L <sub>2</sub>	37 mm
Coating	DLC
Tool material	solid carbide
Version	4xD
Type	W
Point angle	135 degrees
Shank	DIN 6535 HA to h6
Through-coolant	yes, with 25 bar
Machining strategy	HPC
Semi-Standard	yes
Colour ring	yellow
Type of product	Jobber drill

## User data

	Suitability	V <sub>c</sub>	ISO code
Alu plastics	suitable	360 m/min	N
Aluminium (short chipping)	suitable	400 m/min	N
Alu > 10% Si	suitable	350 m/min	N
PMMA acrylic	suitable	150 m/min	N
PEEK	suitable	120 m/min	N
PVDF GF20	suitable	90 m/min	N
PA 66 GF30	suitable	80 m/min	N
PEEK GF30	suitable	70 m/min	N
PTFE CF25	suitable	80 m/min	N
Cu	suitable	160 m/min	N
CuZn	suitable	200 m/min	N
GRP	suitable	80 m/min	N
CRP	suitable	80 m/min	N

wet maximum	suitable
wet minimum	suitable

**Services**

Shank grinding Type HE	129100 HE
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