

**Garant**
**Solid carbide HPC drill, plain shank DIN 6535 HA, DLC, Ø DC h7: 18mm**


## Order data

Order number	122602 18
GTIN	4045197753373
Item class	11E

## Description

### Version:

**DLC coating sp<sup>2</sup>** 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. 122603**.

Form **HE**: order with **No. 122602 + 129100HE**.

## Technical description

Nominal Ø D <sub>c</sub>	18 mm
Tolerance nominal Ø	h7
Shank tolerance	h6
Number of cutting edges Z	2
Flute length L <sub>c</sub>	93 mm
Feed f in aluminium short-chipping	0.7 mm/rev.
Overall length L	143 mm
Shank Ø D <sub>s</sub>	18 mm
Standard	DIN 6537
recommended maximum drilling depth L <sub>2</sub>	66 mm

Coating	DLC
Tool material	solid carbide
Version	6xD
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  
**Services**

suitable

Shank grinding Type HE

129100 HE