

**Garant**
**GARANT Master Alu FEED solid carbide drill, plain shank DIN 6535 HA, DLC, Ø DC h7: 12mm**

**Order data**

Order number	122595 12
GTIN	4062406719876
Item class	11E

**Description**
**Version:**

**With DLC coating** – for longer tool lives, especially with aluminium with a higher Si content.

**Coating on order – no return.** Delivery time approx. 3 weeks if the basic item is available ex stock. **Please note the minimum order quantity.**

**3-cutter tool**, specially developed for use at **very high feed rates** in aluminium. Outstandingly suitable for machines with **high power consumption** and stable machining conditions.

- **Specially developed cutter geometry, designed for very high feed rates, reduced cutting pressure and controlled chip breaking.**
- **Precision flute profile for reliable evacuation of chips.**
- **Achieve outstanding feed rates and tool life thanks to the third cutting edge.**

The sector-leading technology of the drill point for the tool guarantees optimum self-centring behaviour and permits spot drilling on irregular surfaces. 3 guide chamfers guarantee a stable exit from the hole and an exact roundness of the hole.

**Note:**

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

HB shanks are available at the same price as HA.

For **HB**: use order **No. 122596**.

**Technical description**

Flute length $L_c$	71 mm
Number of cutting edges $Z$	3
Shank Ø $D_s$	12 mm
recommended maximum drilling depth $L_2$	53 mm

Standard	DIN 6537
Tolerance nominal Ø	h7
Feed f in aluminium short-chipping	1.18 mm/rev.
Overall length L	118 mm
Nominal Ø D <sub>c</sub>	12 mm
Series	Master Alu
Coating	DLC
Tool material	solid carbide
Version	6×D
Type	W
Point angle	130 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	300 m/min	N
Aluminium (short chipping)	suitable	250 m/min	N
Alu > 10% Si	suitable	200 m/min	N
CuZn	suitable	200 m/min	N
wet maximum	suitable		
wet minimum	suitable		