

Garant

GARANT Master Alu FEED solid carbide drill, Weldon shank DIN 6535 HB, DLC, Ø DC h7: 4,5mm



Order data

Order number	122596 4,5
GTIN	4062406724870
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 guidance lands guarantee a stable exit from the hole and an exact roundness of the hole.

Note:

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

Technical description

Standard	DIN 6537
Nominal Ø D_c	4.5 mm
Flute length L_c	36 mm
Tolerance nominal Ø	h7
recommended maximum drilling depth L_2	29.3 mm

Overall length L	74 mm
Number of cutting edges Z	3
Feed f in aluminium short-chipping	0.58 mm/rev.
Shank $\varnothing D_s$	6 mm
Series	Master Alu
Coating	DLC
Tool material	solid carbide
Version	6xD
Type	W
Point angle	130 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

User data

	Suitability	V_c	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		