

Garant

GARANT Master Alu FEED solid carbide drill, plain shank DIN 6535 HA, uncoated, Ø DC h7: 4,5mm



Order data

Order number	122590 4,5
GTIN	4062406711269
Item class	11E

Description

Version:

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 and HE shanks are available at the same price as HA.

For **HB**: use order **No. 122591**.

For **HE**: use order **No. 122590 + 129100HE**.

Technical description

Shank Ø D_s	6 mm
Flute length L_c	36 mm
Overall length L	74 mm
Feed f in aluminium short-chipping	0.58 mm/rev.
recommended maximum drilling depth L_2	29.3 mm

Standard	DIN 6537
Tolerance nominal \varnothing	h7
Nominal $\varnothing D_c$	4.5 mm
Number of cutting edges Z	3
Series	Master Alu
Coating	uncoated
Tool material	solid carbide
Version	6xD
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_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 only under restricted conditions		

Services

Shank grinding Type HE	129100 HE
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