

Garant

GARANT Master Alu solid carbide high-performance reamers HPC through hole, DLC, Nominal Ø DC: 12H7 mm



Order data

Order number	164400 12H7
GTIN	4062406282097
Item class	10P

Description

Version:

Special HPC reamers of the latest generation, **for machining aluminium**, with improved tooth geometry and further developed carbide substrate. Extra-short teeth for increased cutting performance values. Optimised cooling strategy with radially arranged coolant outlets aligned directly to the teeth. **Version suitable for NC** with straight shank Ø for standard arbors especially in **hydraulic chucks** or **high precision collet chucks**. Very high concentricity and process reliability due to unequal spacing of the teeth and special profile of the round chamfer width.

Reamers finish ground to match your specifications.

Both versions with straight flutes with DLC coating sp^2 .

Application:

Special version for through holes.

Bore Ø tolerance: H7

Number of cutting edges Z: 6

Bore Ø tolerance: H7

Flute length L_c : 12 mm

Overhang L_1 : 75 mm

Overall length L: 120 mm

Number of cutting edges Z: 6

Shank Ø D_s : 12 mm

Technical description

Series	GARANT Master Alu
recommended drill Ø in cast aluminium	11.8 mm

Nominal $\varnothing D_c$	12 mm
Bore \varnothing tolerance	H7
Flute length L_c	12 mm
Overhang L_1	75 mm
Overall length L	120 mm
Feed f in cast alu	2.1 mm/rev.
Shank $\varnothing D_s$	12 mm
Number of cutting edges Z	6
Coating	DLC
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	W
Through-coolant	yes, with 25 bar
Shank	DIN 6535 HA with h6
Machining strategy	HPC
Application for type of drilling	for through holes
Colour ring	yellow
Type of product	Phillips bit

User data

	Suitability	V_c	ISO code
Alu plastics	suitable	250 m/min	N
Aluminium (short chipping)	suitable	250 m/min	N
Alu > 10% Si	suitable	250 m/min	N
wet maximum	suitable		
wet minimum	suitable		