

Garant
GARANT Master Alu solid carbide high-performance reamer HPC through hole, DLC, Nominal Ø DC: 16H7mm

Order data

Order number	164400 16H7
GTIN	4062406282110
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.

Version with DLC sp² coating.

Tolerance specifications:

Configurable: Reamers finish ground to match your specification.

H7: Version to DIN1420 for H7 bore tolerance.

Application:

Special version for through holes.

Technical description

Overall length L	150 mm
Flute length L _c	15 mm
Nominal Ø D _c	16 mm
Tolerance	H7
Overhang L ₁	102 mm
Number of cutting edges Z	6

Series	Master Alu
Feed f in cast alu	2.1 mm/rev.
Shank $\varnothing D_s$	16 mm
Reaming oversize in diameter	0.2 mm
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
Aluminium	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		