Garant

GARANT Master Alu solid carbide high-performance reamer HPC blind hole, DLC, Nominal ∅ DC: 13mm

Order data

Order number	164405 13
GTIN	4062406284046
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 arrangedcoolant outlets aligned directly to the teeth. **Version suitable for NC** with straight shank ∅ 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 sp^2 coating.
Tolerance specifications:
Configurable: Reamers finish ground to match your specification.
H7: Version to DIN1420 for H7 bore tolerance.
Application:
Special version for blind holes.

Technical description

Series	Master Alu
Overall length L	130 mm
Overhang L_1	85 mm
Nominal ∅ D_C	13 mm
∅ range	12.201 - 13.2 mm
Feed f in cast alu	2.1 mm/rev.

Shank ∅ D_s	14 mm
Flute length L_c	15 mm
Number of cutting edges Z	6
Tolerance	configurable
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 blind 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		