

GARANT Master Tap Alu machine tap, DLC, M: M4



Order data

Order number	134260 M4
GTIN	4067263830368
Item class	111

Description

Version:

High-performance tap, specially developed for aluminium and non-ferrous alloys. Dynamic helical pitch of the clamping slots ensure optimum chip evacuation and process reliability.

- · HSS-E-PM tool material for high cutting edge stability.
- · Ultra-smooth DLC coating for wear resistance and avoidance of edge build-up.
- · Dynamic helical pitch of the flutes.
- · Short lead chamfer form E.

Technical description

Thread type	M	
Thread depth	12 mm	
Tool material	HSS E PM	
Tolerance class	ISO 2X 6HX	
Thread Ø	4 mm	
Number of cutting edges Z	3	
Number of clamping slots	lamping slots 3	
Thread pitch	0.7 mm	
Shank Ø D _s	4.5 mm	
Overall length L	63 mm	
Standard	Works standard	
Shank square □	3.4 mm	

Tapping hole Ø	3.3 mm	
Coating	DLC	
Flank angle	60 degrees	
Thread standard	DIN 13	
Taper lead form	E	
Helix angle	45 degrees	
Shank	Plain shank with h9	
Through-coolant	no	
Application for type of drilling	up to 3×D for blind holes	
Cutting direction	right-hand	
Type of threading tool	Machine tap for dynamic machining	
Helix angle characteristic	unequal spacing	
Colour ring	yellow	
Series	Master Tap	
Type of product	Тар	

User data

	Suitability	\mathbf{V}_{c}	ISO code
Aluminium	suitable	35 m/min	N
Aluminium (short chipping)	suitable		
Alu > 10% Si	suitable		
PMMA acrylic	suitable only under restricted conditions	20 m/min	N
PA 66	suitable only under restricted conditions	18 m/min	N
PEEK	suitable	18 m/min	N
Cu	suitable	18 m/min	N
CuZn	suitable		
Oil	suitable		

Data sheet



wet maximum	suitable	
wet minimum	suitable	