Garant

GARANT Master Tap Alu machine tap, DLC, M: M2

Order data

Order number	134260 M2
GTIN	4067263830337
Item class	11I

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.**
Note:
Suitable up to thread depth 2.5×D.

Technical description

Number of cutting edges Z	2
Tool material	HSS E PM
Thread type	M
Thread pitch	0.4 mm
Overall length L	45 mm
Tapping hole ∅	1.6 mm
Number of clamping slots	2
Thread ∅	2 mm
Thread depth	6 mm
Standard	Works standard

Tolerance class	ISO 2X 6HX
Shank square ☐	2.1 mm
Shank ∅ D_s	2.8 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	Tap

User data

	Suitability	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
wet maximum	suitable
wet minimum	suitable