Garant

GARANT Master Tap machine tap HSS-E-PM, AlTiX, UNF: 3/8-24

Order data

Order number	138010 3/8-24
GTIN	4045197984364
Item class	11I

Description

Version:

GARANT Master Tap Universal tap, designed for use in a wide spectrum of materials with high process reliability.

· **HSS-E-PM tool material for maximum wear resistance.**
· **Reduced coefficient of friction due to the new high-performance coating.**
· **Special geometry for optimum swarf evacuation.**
Application:
For UNF uniform fine threads ASME − B1.1.
Thread type: UNF
Tool material: HSS E PM
Standard: DIN 371
Threads per inch: 24
Thread ∅: 9.53 mm
Overall length L: 90 mm
Shank ∅ D_s: 10 mm
Shank square □: 8 mm
Tapping hole ∅: 8.5 mm

Technical description

Threads per inch	24
Thread pitch	1.058 mm
Thread type	UNF
Number of clamping slots	3
Standard	DIN 371

Number of cutting edges Z	3
Thread Ø	9.53 mm
Overall length L	90 mm
Tool material	HSS E PM
Shank Ø D_s	10 mm
Tapping hole Ø	8.5 mm
Thread depth	23.83 mm
Shank square □	8 mm
Thread size	3/8-24 UNF
Series	Master Tap
Coating	AlTiX
Flank angle	60 °
Tolerance class	2BX
Taper lead form	C
Helix angle	40 °
Shank	Plain shank with h9
Through-coolant	no
Application for type of drilling	up to 2.5×D for blind holes
Cutting direction	right-hand
Type of threading tool	Machine tap for dynamic machining
Colour ring	green
Type of product	Tap

User data

	Suitability	V_c	ISO code
Alu plastics	suitable	30 m/min	N
Aluminium (short chipping)	suitable	35 m/min	N
Alu > 10% Si	suitable	20 m/min	N

Steel < 500 N/mm²	suitable	30 m/min	P
Steel < 750 N/mm²	suitable	30 m/min	P
Steel < 900 N/mm²	suitable	25 m/min	P
Steel < 1100 N/mm²	suitable	12 m/min	P
Steel < 1400 N/mm²	suitable	8 m/min	P
INOX < 900 N/mm²	suitable	10 m/min	M
INOX > 900 N/mm²	suitable	8 m/min	M
GG(G)	suitable	20 m/min	K
CuZn	suitable	20 m/min	N
Uni	suitable		
Oil	suitable		
wet maximum	suitable		