Garant

GARANT Master Tap machine tap HSS-E-PM, AlTiX, UNF: 5-44

Order data

Order number	138010 5-44
GTIN	4062406209247
Item class	11l

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: 44
Thread ∅: 3.17 mm
Overall length L: 56 mm
Shank ∅ D_s: 3.5 mm
Shank square □: 2.7 mm
Tapping hole ∅: 2.7 mm

Technical description

Thread ∅	3.17 mm
Tool material	HSS E PM
Thread type	UNF
Threads per inch	44
Tapping hole ∅	2.7 mm

Number of clamping slots	3
Thread size	5-44 UNF
Overall length L	56 mm
Thread pitch	0.577 mm
Number of cutting edges Z	3
Shank ⌀ D_s	3.5 mm
Standard	DIN 371
Thread depth	7.925 mm
Shank square ☐	2.7 mm
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		