Hoffmann Group

GARANT Master Tap machine tap HSS-E-PM, AlTiX, UNF: 10-32

Order data

Order number	133410 10-32
GTIN	4045197899903
Item class	11I

Description

Version:
GARANT Master Tap general-purpose tap, designed for use on 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 unified fine threads ASME – B1.1.
Thread type: UNF
Tool material: HSS E PM
Standard: DIN 371
Threads per inch: 32
Thread $\varnothing$: 4.83 mm
Overall length L: 70 mm
Shank $\varnothing$ D_s: 6 mm
Shank square □: 4.9 mm
Tapping hole $\varnothing$: 4.1 mm

Technical description

Thread depth	14.49 mm
Overall length L	70 mm
Thread $\varnothing$	4.83 mm
Tool material	HSS E PM
Thread type	UNF

Standard	DIN 371
Tapping hole Ø	4.1 mm
Number of cutting edges Z	3
Threads per inch	32
Shank Ø D_s	6 mm
Thread size	10-32 UNF
Thread pitch	0.794 mm
Shank square □	4.9 mm
Number of clamping slots	3
Series	Master Tap
Coating	AlTiX
Flank angle	60 °
Tolerance class	2BX
Taper lead form	B
Shank	Plain shank with h9
Through-coolant	no
Application for type of drilling	up to 3×D for through 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		