Garant

GARANT Master Tap machine tap HSS-E-PM Form C, AlTiX, M: M7

Order data

Order number	135960 M7
GTIN	4062406208844
Item class	11I

Description

Version:
Universal taps, designed for use in a wide spectrum of materials with high process reliability.
· **HSS-E-PM tool material for a high degree of wear resistance.**
· **Reduced coefficient of friction due to the new high-performance coating.**
· **Special geometry for optimum swarf evacuation.**
Corresponds to **ISO 2X/6HX**.
Thread type: M
Tool material: HSS E PM
Standard: DIN 371
Tolerance class: ISO 2X 6HX
Thread pitch: 1 mm
Overall length L: 80 mm
Shank ∅ D_s: 7 mm
Shank square ☐: 5.5 mm
Tapping hole ∅: 6 mm

Technical description

Number of clamping slots	3
Standard	DIN 371
Tool material	HSS E PM
Thread ∅	7 mm
Thread depth	17.5 mm
Thread pitch	1 mm

Thread type	M
Number of cutting edges Z	3
Tapping hole ∅	6 mm
Overall length L	80 mm
Shank square ☐	5.5 mm
Shank ∅ D_s	7 mm
Tolerance class	ISO 2X 6HX
Thread size	M7
Coating	AlTiX
Flank angle	60 °
Thread standard	DIN 13
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
Series	Master Tap
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		