Hoffmann Group

Garant

GARANT Master Tap machine tap HSS-E-PM, AlTiX, G: G1/16

Order data

Order number	133330 G1/16
GTIN	4045197984210
Item class	11I

Description

Version:
GARANT Master Tap Universal taps, 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 Whitworth parallel pipe threads DIN-ISO 228/1 (threads that do not form a seal within the connection).
Tool material: HSS E PM
Threads per inch: 28
Thread $\varnothing$: 7.72 mm
Overall length L: 90 mm
Shank $\varnothing$ D_s: 6 mm
Shank square $\square$: 4.9 mm
Tapping hole $\varnothing$: 6.8 mm

Technical description

Threads per inch	28
Number of cutting edges Z	3
Overall length L	90 mm
Thread pitch	0.91 mm
Tool material	HSS E PM

Thread depth	23.16 mm
Thread Ø	7.72 mm
Shank Ø D_s	6 mm
Tapping hole Ø	6.8 mm
Shank square □	4.9 mm
Number of clamping slots	3
Thread size	G1/16
Series	Master Tap
Coating	AlTiX
Thread type	G
Flank angle	55 °
Standard	DIN 5156
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		