Garant

GARANT Master Tap machine tap HSS-E-PM Form C 7GX, AlTiX, M: M16

Order data

Order number	136162 M16
GTIN	4062406715496
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.**
Tolerance class: 7GX
Application:
For components which are galvanised or shrink slightly when hardened.
Recommendation:
We recommend increasing the size of the tapping hole Ø by the tolerance allowance.
Thread type: M
Tool material: HSS E PM
Standard: DIN 376
Tolerance class: 7GX
Thread pitch: 2 mm
Overall length L: 110 mm
Shank Ø D_s: 12 mm
Shank square □: 9 mm
Tapping hole Ø: 14 mm

Technical description

Standard	DIN 376
Thread depth	40 mm
Overall length L	110 mm
Number of clamping slots	3

Thread pitch	2 mm
Shank Ø D_s	12 mm
Thread type	M
Tolerance class	7GX
Tapping hole Ø	14 mm
Number of cutting edges Z	3
Tool material	HSS E PM
Thread size	M16
Shank square □	9 mm
Thread Ø	16 mm
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		