

GARANT Master Tap machine tap HSS-E-PM Form C 6GX, AITIX, M: M16



Order data

Order number	136158 M16
GTIN	4045197900173
Item class	111

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: ISO 3X/6GX

Application:

For components which are galvanised or shrink slightly when hardened.

Recommendation:

We recommend increasing the size of the tapping hole \emptyset by the tolerance allowance.

Thread type: M

Tool material: HSS E PM Standard: DIN 376

Tolerance class: ISO 3X 6GX

Thread pitch: 2 mm Overall length L: 110 mm Shank Ø D₅: 12 mm Shank square □: 9 mm Tapping hole Ø: 14 mm

Technical description

Number of clamping slots	3
Thread Ø	16 mm
Overall length L	110 mm
Number of cutting edges Z	3

Tapping hole Ø	14 mm		
Tolerance class	ISO 3X 6GX		
Shank Ø D _s	12 mm		
Standard	DIN 376		
Thread depth	40 mm		
Tool material	HSS E PM		
Shank square □	9 mm		
Thread pitch	2 mm		
Thread type	M		
Thread size	M16		
Coating	AlTiX		
Flank angle	60 °		
Thread standard	DIN 13		
Taper lead form	С		
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	Тар		

User data

	Suitability	\mathbf{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/mm ²	suitable	30 m/min	Р
Steel < 750 N/mm ²	suitable	30 m/min	Р
Steel < 900 N/mm ²	suitable	25 m/min	Р
Steel < 1100 N/mm ²	suitable	12 m/min	Р
Steel < 1400 N/mm ²	suitable	8 m/min	Р
INOX < 900 N/mm ²	suitable	10 m/min	M
INOX > 900 N/mm ²	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		