

# **GARANT Master Tap machine tap HSS-E-PM 6GX, AITIX, MF: 12X1**



### **Order data**

Order number	137161 12X1
GTIN	4067263108405
Item class	111

### **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.

**Tolerance class: ISO 3X/6GX**. For components which are **galvanised** or shrink slightly when hardened.

# **Technical description**

Number of cutting edges Z	3	
Tool material	HSS E PM	
Shank Ø D <sub>s</sub>	9 mm	
Shank square □	7 mm	
Tolerance class	ISO 3X 6GX	
Thread size	M12×1	
Thread type	MF	
Tapping hole Ø	11 mm	
Number of clamping slots	3	
Thread depth	30 mm	
Standard	DIN 374	

Thread Ø	12 mm	
Thread pitch	1 mm	
Overall length L	100 mm	
Coating	AlTiX	
Flank angle	60 degrees	
Thread standard	DIN 13	
Taper lead form	С	
Helix angle	40 degrees	
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 <sup>2</sup>	suitable	30 m/min	Р
Steel < 750 N/mm <sup>2</sup>	suitable	30 m/min	Р
Steel < 900 N/mm <sup>2</sup>	suitable	25 m/min	Р
Steel < 1100 N/mm <sup>2</sup>	suitable	121 m/min	Р
Steel < 1400 N/mm <sup>2</sup>	suitable	8 m/min	Р
INOX < 900 N/mm <sup>2</sup>	suitable	10 m/min	М

$INOX > 900 \text{ N/mm}^2$	suitable	8 m/min	М
GG(G)	suitable	20 m/min	K
CuZn	suitable	20 m/min	N
Uni	suitable		
Oil	suitable		
wet maximum	suitable		