

## Garant

### GARANT Master Tap machine tap extra long HSS-E-PM 6HX, AlTiX, MF: 10X1



#### Order data

Order number	137162 10X1
GTIN	4062406209049
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.**

With extra long shank.

##### Advantage:

Designed for tapping threads where access is difficult.

#### Technical description

Tapping hole $\varnothing$	9 mm
Thread type	MF
Tool material	HSS E PM
Tolerance class	ISO 2X 6HX
Number of cutting edges Z	3
Thread depth	25 mm
Shank square $\square$	5.5 mm
Shank $\varnothing D_s$	7 mm
Thread $\varnothing$	10 mm
Number of clamping slots	3
Standard	Manufacturer's standard

Thread size	M10×1
Thread pitch	1 mm
Overall length L	180 mm
Coating	AlTiX
Flank angle	60 degrees
Thread standard	DIN 13
Taper lead form	C
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	Tap

## User data

	Suitability	V <sub>c</sub>	ISO code
Alu plastics	suitable	24 m/min	N
Aluminium (short chipping)	suitable	28 m/min	N
Alu > 10% Si	suitable	16 m/min	N
Steel < 500 N/mm <sup>2</sup>	suitable	24 m/min	P
Steel < 750 N/mm <sup>2</sup>	suitable	24 m/min	P
Steel < 900 N/mm <sup>2</sup>	suitable	20 m/min	P
Steel < 1100 N/mm <sup>2</sup>	suitable	10 m/min	P
Steel < 1400 N/mm <sup>2</sup>	suitable	6 m/min	P
INOX < 900 N/mm <sup>2</sup>	suitable	8 m/min	M

INOX > 900 N/mm <sup>2</sup>	suitable	6 m/min	M
GG(G)	suitable	16 m/min	K
CuZn	suitable	16 m/min	N
Uni	suitable		
Oil	suitable		
wet maximum	suitable		