

Garant
GARANT Master Tap machine tap HSS-E-PM extra long Form C 6HX, AlTiX, M: M12

Order data

Order number	134680 M12
GTIN	4045197901262
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.**

With extra long shank. **Shank to DIN 376.**

Advantage:

Designed for tapping threads where access is difficult.

Technical description

Thread type	M
Number of clamping slots	3
Number of cutting edges Z	3
Tool material	HSS E PM
Shank square □	7 mm
Tapping hole Ø	10.2 mm
Shank Ø D _s	9 mm
Standard	Manufacturer's standard
Overall length L	200 mm
Thread Ø	12 mm

Thread depth	30 mm
Tolerance class	ISO 2X 6HX
Thread size	M12
Thread pitch	1.75 mm
Coating	AlTiX
Flank angle	60 degrees
Thread standard	DIN 13
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 _c	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 ²	suitable	24 m/min	P
Steel < 750 N/mm ²	suitable	24 m/min	P
Steel < 900 N/mm ²	suitable	20 m/min	P
Steel < 1100 N/mm ²	suitable	10 m/min	P
Steel < 1400 N/mm ²	suitable	6 m/min	P
INOX < 900 N/mm ²	suitable	8 m/min	M

INOX > 900 N/mm ²	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		