

Garant

GARANT Master Tap machine tap left-hand thread HSS-E-PM 6HX, AlTiX, M-LH: M14



Order data

Order number	136190 M14
GTIN	4045197900654
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.**

Thread type: M-LH

Tool material: HSS E PM

Standard: DIN 376

Tolerance class: ISO 2X 6HX

Thread pitch: 2 mm

Overall length L: 110 mm

Shank Ø D_s: 11 mm

Shank square □: 9 mm

Tapping hole Ø: 12 mm

Technical description

Shank square □	9 mm
Standard	DIN 376
Number of clamping slots	3
Tolerance class	ISO 2X 6HX
Thread pitch	2 mm
Number of cutting edges Z	3

Tool material	HSS E PM
Thread Ø	14 mm
Shank Ø D _s	11 mm
Thread depth	35 mm
Overall length L	110 mm
Tapping hole Ø	12 mm
Thread type	M-LH
Thread size	M14 LH
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	left-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/mm ²	suitable	30 m/min	P

Steel < 750 N/mm ²	suitable	30 m/min	P
Steel < 900 N/mm ²	suitable	25 m/min	P
Steel < 1100 N/mm ²	suitable	12 m/min	P
Steel < 1400 N/mm ²	suitable	8 m/min	P
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		