

Garant**GARANT Master Tap INOX machine tap HSS-E-PM, TiAlN, MF: 12X1,25****Order data**

Order number	137053 12X1,25
GTIN	4062406081751
Item class	111

Description**Version:****GARANT Master Tap INOX:**

High-performance tap, specially developed for **good process reliability in stainless and acid-resistant steels** and **duplex materials**.

The 45° helix angle of the flutes facilitates chip formation especially in ductile austenitic CrNi steels.

- **HSS-E-PM tool material for a high degree of wear resistance**
- **The latest generation of TiAlN multi-layer coating**
- **Parameterised flute geometry for optimum chip formation and torsional rigidity**

Thread type: MF

Tool material: HSS E PM

Standard: DIN 374

Tolerance class: ISO 2X 6HX

Thread pitch: 1.25 mm

Overall length L: 100 mm

Shank Ø D_s: 9 mm

Shank square □: 7 mm

Tapping hole Ø: 10.8 mm

Technical description

Thread Ø	12 mm
Standard	DIN 374
Tolerance class	ISO 2X 6HX
Tapping hole Ø	10.8 mm

Thread pitch	1.25 mm
Number of clamping slots	4
Shank $\varnothing D_s$	9 mm
Tool material	HSS E PM
Shank square \square	7 mm
Thread depth	30 mm
Thread type	MF
Number of cutting edges Z	4
Overall length L	100 mm
Thread size	M12 \times 1.25
Coating	TiAlN
Flank angle	60°
Thread standard	DIN 13
Taper lead form	C
Helix angle	45°
Shank	Plain shank with h9
Through-coolant	no
Application for type of drilling	up to 3 \times D for through holes
Cutting direction	right-hand
Type of threading tool	Machine tap for dynamic machining
Colour ring	blue
Series	Master Tap
Type of product	Tap

User data

	Suitability	V_c	ISO code
Aluminium (short chipping)	suitable only under restricted conditions	28 m/min	N

Steel < 750 N/mm ²	suitable only under restricted conditions	23 m/min	P
Steel < 900 N/mm ²	suitable only under restricted conditions	23 m/min	P
Steel < 1100 N/mm ²	suitable	12 m/min	P
INOX < 900 N/mm ²	suitable	11 m/min	M
INOX > 900 N/mm ²	suitable	9 m/min	M
Oil	suitable		
wet maximum	suitable		