

Garant**GARANT Master Tap INOX machine tap HSS-E-PM Form C 6HX, TiAlN, M: M12****Order data**

Order number	GG1300 M12
GTIN	4069515044844
Item class	GGN

Description**Version:**

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 maximum wear resistance**
- **The latest generation of TiAlN multi-layer coating**
- **Parameterised flute geometry for optimum chip formation and rigidity**

Same as No. 135732.

Technical description

Shank square ☐	7 mm
Contents	5"
Standard	DIN 376
Tapping hole Ø	10.2 mm
Number of cutting edges Z	4
Thread pitch	1.75 mm

Data sheet

Thread type	M
Overall length L	110 mm
Number of clamping slots	4
Tolerance class	ISO 2X 6HX
Thread depth	30 mm
Shank Ø D _s	9 mm
Thread size	M12
Tool material	HSS E PM
Thread Ø	12 mm
Coating	TiAlN
Flank angle	60 degrees
Thread standard	DIN 13
Taper lead form	C
Helix angle	45 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	blue
Series	Master Tap
Type of product	Taps

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		

Suitable products

No Shop URL available for: GG1300 M12