# Garant

#### GARANT Master Tap INOX machine tap HSS-E-PM Form B 6GX, TiAIN, M: M12



### Order data

Order number	132193 M12
GTIN	4062406209346
Item class	111

### Description

#### Version:

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

· 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 torsional rigidity

**Tolerance class: ISO 3X/6GX**. For components which are **galvanised** or shrink slightly when hardened.

Thread type: M Tool material: HSS E PM Standard: DIN 376 Tolerance class: ISO 3X 6GX Thread pitch: 1.75 mm Overall length L: 110 mm Shank  $\emptyset$  D<sub>s</sub>: 9 mm Shank square  $\Box$ : 7 mm Tapping hole  $\emptyset$ : 10.2 mm

#### **Technical description**

Standard	DIN 376
Number of clamping slots	3
Tolerance class	ISO 3X 6GX
Thread pitch	1.75 mm
Tool material	HSS E PM

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Thread type	М		
Thread Ø	12 mm		
Shank Ø D <sub>s</sub>	9 mm		
Shank square 🗆	7 mm		
Number of cutting edges Z	3		
Thread depth	36 mm		
Overall length L	110 mm		
Tapping hole Ø	10.2 mm		
Thread size	M12		
Coating	TiAIN		
Flank angle	60 °		
Thread standard	DIN 13		
Taper lead form	В		
Shank	Plain shank with h9		
Through-coolant	no		
Application for type of drilling	up to 3×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	Тар		

## User data

	Suitability	V <sub>c</sub>	ISO code
Aluminium (short chipping)	suitable only under restricted conditions	28 m/min	Ν
Steel < 750 N/mm²	suitable only under restricted conditions	23 m/min	Р
Steel < 900 N/mm²	suitable only under restricted conditions	23 m/min	Р

Steel < 1100 N/mm <sup>2</sup>	suitable	12 m/min	Р
INOX < 900 N/mm <sup>2</sup>	suitable	11 m/min	Μ
INOX > 900 N/mm <sup>2</sup>	suitable	9 m/min	Μ
Oil	Suitable		
wet maximum	suitable		