

GARANT Master Tap INOX machine tap HSS-E-PM Form B 6GX, TiAIN, M: M5



Order data

Order number	132193 M5
GTIN	4062406209308
Item class	111

Description

Version:

High-performance tap, specially developed for **good process reliability in stainless and acid-resistant 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 371

Tolerance class: ISO 3X 6GX

Thread pitch: 0.8 mm Overall length L: 70 mm Shank Ø D_s: 6 mm

Shank square \square : 4.9 mm Tapping hole \varnothing : 4.2 mm

Technical description

Thread size	M5
Thread pitch	0.8 mm
Tapping hole Ø	4.2 mm
Thread depth	15 mm
Thread type	M

Shank square □	4.9 mm		
Thread Ø	5 mm		
Standard	DIN 371		
Shank Ø D _s	6 mm		
Overall length L	70 mm		
Tool material	HSS E PM		
Number of cutting edges Z	3		
Tolerance class	ISO 3X 6GX		
Number of clamping slots	3		
Coating	TiAlN		
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 _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	Р
Steel < 900 N/mm ²	suitable only under restricted conditions	23 m/min	Р

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