

## Garant

### GARANT Master Tap INOX machine tap HSS-E-PM Form E 6HX, TiAlN, M: M5



#### Order data

Order number	135736 M5
GTIN	4062406081584
Item class	11I

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

Form E (lead chamfer: 1.5 - 2 turns).

Thread type: M

Tool material: HSS E PM

Standard: DIN 371

Tolerance class: ISO 2X 6HX

Thread pitch: 0.8 mm

Overall length L: 70 mm

Shank  $\varnothing D_s$ : 6 mm

Shank square  $\square$ : 4.9 mm

Tapping hole  $\varnothing$ : 4.2 mm

#### Technical description

Shank $\varnothing D_s$	6 mm
Number of clamping slots	3
Number of cutting edges Z	3
Thread pitch	0.8 mm

Tolerance class	ISO 2X 6HX
Thread type	M
Thread Ø	5 mm
Tool material	HSS E PM
Thread depth	12.5 mm
Standard	DIN 371
Tapping hole Ø	4.2 mm
Overall length L	70 mm
Shank square □	4.9 mm
Thread size	M5
Coating	TiAlN
Flank angle	60 degrees
Thread standard	DIN 13
Taper lead form	E
Helix angle	45 degrees
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	GARANT Master Tap
Type of product	Tap