

**Garant**
**GARANT Master Tap INOX machine tap HSS-E-PM Form E 6HX, TiAlN, M: M10**

**Order data**

Order number	135736 M10
GTIN	4062406081614
Item class	111

**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: 1.5 mm

Overall length L: 100 mm

Shank  $\varnothing$  D<sub>s</sub>: 10 mm

Shank square  $\square$ : 8 mm

Tapping hole  $\varnothing$ : 8.5 mm

**Technical description**

Number of cutting edges Z	3
Overall length L	100 mm
Tapping hole $\varnothing$	8.5 mm
Shank square $\square$	8 mm

Thread pitch	1.5 mm
Thread depth	25 mm
Tool material	HSS E PM
Standard	DIN 371
Tolerance class	ISO 2X 6HX
Shank $\varnothing D_s$	10 mm
Thread $\varnothing$	10 mm
Thread type	M
Number of clamping slots	3
Thread size	M10
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 3xD 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