

**Garant**
**GARANT Master Tap INOX machine tap HSS-E-PM, TiAlN, UNF: 1-12**

**Order data**

Order number	138007 1-12
GTIN	4062406210298
Item class	111

**Description**
**Version:**
**GARANT Master Tap INOX:**

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

**The 45° helix angle** of the chip 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 torsional rigidity**

**Application:**

**For UNF uniform fine threads ASME – B1.1.**

Thread type: UNF

Tool material: HSS E PM

Standard: DIN 374

Threads per inch: 12

Thread Ø: 25.4 mm

Overall length L: 140 mm

Shank Ø D<sub>s</sub>: 18 mm

Shank square □: 14.5 mm

Tapping hole Ø: 23.25 mm

**Technical description**

Shank Ø D <sub>s</sub>	18 mm
Shank square □	14.5 mm

Standard	DIN 374
Number of cutting edges Z	5
Overall length L	140 mm
Tool material	HSS E PM
Threads per inch	12
Tapping hole Ø	23.25 mm
Thread Ø	25.4 mm
Thread type	UNF
Thread depth	63.5 mm
Number of clamping slots	5
Thread pitch	2.117 mm
Thread size	1-12 UNF
Series	GARANT Master Tap
Coating	TiAlN
Flank angle	60 degrees
Tolerance class	2BX
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
Type of product	Tap