

**Garant**
**GARANT Master Tap INOX machine tap HSS-E-PM, TiAlN, UNC: 1/4-20**

**Order data**

Order number	133356 1/4-20
GTIN	4062406209551
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**

**Application:**

**For UNC uniform coarse threads ASME – B1.1.**

Thread type: UNC

Tool material: HSS E PM

Standard: DIN 371

Threads per inch: 20

Thread Ø: 6.35 mm

Overall length L: 80 mm

Shank Ø D<sub>s</sub>: 7 mm

Shank square □: 5.5 mm

Tapping hole Ø: 5.1 mm

**Technical description**

Shank square □	5.5 mm
Thread Ø	6.35 mm
Number of cutting edges Z	3
Thread pitch	1.27 mm

Shank $\varnothing D_s$	7 mm
Threads per inch	20
Tapping hole $\varnothing$	5.1 mm
Number of clamping slots	3
Overall length L	80 mm
Tool material	HSS E PM
Thread type	UNC
Thread size	1/4-20 UNC
Thread depth	19.05 mm
Standard	DIN 371
Series	GARANT Master Tap
Coating	TiAlN
Flank angle	60 degrees
Tolerance class	2BX
Taper lead form	B
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
Type of product	Tap