

Garant
GARANT Master Tap INOX machine tap HSS-E-PM, TiAlN, UNF: 1/2-20

Order data

Order number	138007 1/2-20
GTIN	4062406210250
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: 20

Thread Ø: 12.7 mm

Overall length L: 100 mm

Shank Ø D_s: 9 mm

Shank square □: 7 mm

Tapping hole Ø: 11.5 mm

Technical description

Thread Ø	12.7 mm
Threads per inch	20

Standard	DIN 374
Number of cutting edges Z	4
Thread size	1/2-20 UNF
Tool material	HSS E PM
Number of clamping slots	4
Thread type	UNF
Tapping hole \varnothing	11.5 mm
Shank $\varnothing D_s$	9 mm
Thread depth	31.75 mm
Overall length L	100 mm
Shank square \square	7 mm
Thread pitch	1.27 mm
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