

Garant
GARANT Master Tap INOX machine tap HSS-E-PM, TiAlN, UNC: 3/8-16

Order data

Order number	137857 3/8-16
GTIN	4062406210083
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 rigidity.**

Application:

For UNC uniform coarse threads ASME – B1.1.

Thread type: UNC

Tool material: HSS E PM

Standard: DIN 371

Threads per inch: 16

Thread Ø: 9.53 mm

Overall length L: 100 mm

Shank Ø D_s: 9 mm

Shank square □: 7 mm

Tapping hole Ø: 8 mm

Technical description

Thread pitch	1.587 mm
Tool material	HSS E PM
Number of clamping slots	3
Tapping hole Ø	8 mm
Thread type	UNC

Thread size	3/8-16 UNC
Shank $\varnothing D_s$	9 mm
Thread depth	23.83 mm
Overall length L	100 mm
Standard	DIN 371
Threads per inch	16
Number of cutting edges Z	3
Shank square \square	7 mm
Thread \varnothing	9.53 mm
Series	Master Tap
Coating	TiAlN
Flank angle	60°
Tolerance class	2BX
Taper lead form	C
Helix angle	45°
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

User data

	Suitability	V_c	ISO code
Aluminium (short chipping)	suitable only under restricted conditions	28 m/min	N
Steel < 750 N/mm ²	suitable	23 m/min	P

Steel < 900 N/mm ²	suitable only under restricted conditions	23 m/min	P
Steel < 1100 N/mm ²	suitable	12 m/min	P
INOX < 900 N/mm ²	suitable	11 m/min	M
INOX > 900 N/mm ²	suitable	9 m/min	M
Oil	suitable		
wet maximum	suitable		