

Garant
GARANT Master Tap INOX machine tap HSS-E-PM, TiAlN, UNC: 7/16-14

Order data

Order number	137857 7/16-14
GTIN	4062406210090
Item class	11I

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 376

Threads per inch: 14

Thread Ø: 11.11 mm

Overall length L: 100 mm

Shank Ø D_s: 8 mm

Shank square □: 6.2 mm

Tapping hole Ø: 9.4 mm

Technical description

Overall length L	100 mm
Tool material	HSS E PM
Shank Ø D _s	8 mm
Thread type	UNC

Thread Ø	11.11 mm
Standard	DIN 376
Threads per inch	14
Thread depth	27.78 mm
Thread size	7/16-14 UNC
Tapping hole Ø	9.4 mm
Shank square □	6.2 mm
Thread pitch	1.814 mm
Number of clamping slots	4
Number of cutting edges Z	4
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		