



GARANT Master Tap INOX machine tap HSS-E-PM, TiAlN, UNC: 2-56



Order data

Order number	137857 2-56
GTIN	4062406208110
Item class	11I

Description

Version:

High-performance tap, specially developed for **good process reliability in stainless and acid-resistant steels** and **duplex materials**. The 45° helix angle of the 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 rigidity.**

Application:

For UNC uniform coarse threads ASME – B1.1.

Technical description

Number of clamping slots	3
Threads per inch	56
Thread type	UNC
Overall length L	45 mm
Thread depth	5.45 mm
Shank Ø D _s	2.8 mm
Thread Ø	2.18 mm
Thread size	2-56 UNC
Shank square □	2.1 mm
Number of cutting edges Z	3

Data sheet

Tool material	HSS E PM
Standard	DIN 371
Thread pitch	0.454 mm
Tapping hole Ø	1.85 mm
Series	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

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
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