

## Garant

### GARANT Master Tap INOX machine tap HSS-E-PM, TiAlN, MF: 10X1,25



#### Order data

Order number	137053 10X1,25
GTIN	4062406081737
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 flutes facilitates chip formation especially in ductile austenitic CrNi steels.

- **HSS-E-PM tool material for a high degree of wear resistance**
- **The latest generation of TiAlN multi-layer coating**
- **Parameterised flute geometry for optimum chip formation and torsional rigidity**

Thread type: MF

Tool material: HSS E PM

Standard: DIN 374

Tolerance class: ISO 2X 6HX

Thread pitch: 1.25 mm

Overall length L: 100 mm

Shank  $\varnothing D_s$ : 7 mm

Shank square  $\square$ : 5.5 mm

Tapping hole  $\varnothing$ : 8.8 mm

#### Technical description

Shank square $\square$	5.5 mm
Number of clamping slots	3
Standard	DIN 374
Tapping hole $\varnothing$	8.8 mm

Tool material	HSS E PM
Thread pitch	1.25 mm
Thread type	MF
Thread depth	25 mm
Shank $\varnothing D_s$	7 mm
Overall length L	100 mm
Thread $\varnothing$	10 mm
Tolerance class	ISO 2X 6HX
Number of cutting edges Z	3
Thread size	M10×1.25
Coating	TiAlN
Flank angle	60°
Thread standard	DIN 13
Taper lead form	C
Helix angle	45°
Shank	Plain shank with h9
Through-coolant	no
Application for type of drilling	up to 3×D for through holes
Cutting direction	right-hand
Type of threading tool	Machine tap for dynamic machining
Colour ring	blue
Series	Master Tap
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 <sup>2</sup>	suitable only under restricted conditions	23 m/min	P
Steel < 900 N/mm <sup>2</sup>	suitable only under restricted conditions	23 m/min	P
Steel < 1100 N/mm <sup>2</sup>	suitable	12 m/min	P
INOX < 900 N/mm <sup>2</sup>	suitable	11 m/min	M
INOX > 900 N/mm <sup>2</sup>	suitable	9 m/min	M
Oil	suitable		
wet maximum	suitable		