

**Garant**
**GARANT Master Tap INOX machine tap HSS-E-PM, TiAlN, MF: 5X0,5**

**Order data**

Order number	132875 5X0,5
GTIN	4062406080938
Item class	111

**Description**
**Version:**
**GARANT Master Tap INOX:**

Powerful tap, specially developed for **tapping to high process reliability in stainless and acid-resistant steels** and also **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 torsional rigidity**

Thread type: MF

Tool material: HSS E PM

Standard: DIN 374

Tolerance class: ISO 2X 6HX

Thread pitch: 0.5 mm

Overall length L: 70 mm

Shank  $\varnothing D_s$ : 3.5 mm

Shank square  $\square$ : 2.7 mm

Tapping hole  $\varnothing$ : 4.5 mm

**Technical description**

Thread $\varnothing$	5 mm
Number of clamping slots	3
Shank square $\square$	2.7 mm
Standard	DIN 374
Tool material	HSS E PM

Tolerance class	ISO 2X 6HX
Thread pitch	0.5 mm
Thread type	MF
Shank $\varnothing D_s$	3.5 mm
Thread depth	15 mm
Number of cutting edges Z	3
Overall length L	70 mm
Tapping hole $\varnothing$	4.5 mm
Thread size	M5×0.5
Coating	TiAlN
Flank angle	60 °
Thread standard	DIN 13
Taper lead form	B
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		