

**Garant**
**GARANT Master Tap INOX machine tap HSS-E-PM, TiAlN, MF: 4X0,5**

**Order data**

Order number	132875 4X0,5
GTIN	4062406080921
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: 63 mm

Shank  $\varnothing D_s$ : 2.8 mm

Shank square  $\square$ : 2.1 mm

Tapping hole  $\varnothing$ : 3.5 mm

**Technical description**

Thread type	MF
Shank $\varnothing D_s$	2.8 mm
Thread depth	12 mm
Overall length L	63 mm
Number of cutting edges Z	3

Shank square <input type="checkbox"/>	2.1 mm
Number of clamping slots	3
Thread $\varnothing$	4 mm
Tool material	HSS E PM
Tolerance class	ISO 2X 6HX
Tapping hole $\varnothing$	3.5 mm
Standard	DIN 374
Thread pitch	0.5 mm
Thread size	M4×0.5
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 <sub>c</sub>	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		