

Garant
GARANT Master Tap INOX machine tap HSS-E-PM Form B 6HX, TiAlN, M: M1,6

Order data

Order number	132180 M1,6
GTIN	4062406080709
Item class	111

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 torsional rigidity**

Thread type: M

Tool material: HSS E PM

Standard: DIN 371

Tolerance class: ISO 2X 6HX

Thread pitch: 0.35 mm

Overall length L: 40 mm

Shank $\varnothing D_s$: 2.5 mm

Shank square \square : 2.1 mm

Tapping hole \varnothing : 1.25 mm

Technical description

Number of clamping slots	2
Thread type	M
Overall length L	40 mm
Tapping hole \varnothing	1.25 mm
Thread \varnothing	1.6 mm
Tolerance class	ISO 2X 6HX

Thread pitch	0.35 mm
Shank $\varnothing D_s$	2.5 mm
Thread depth	4.8 mm
Standard	DIN 371
Tool material	HSS E PM
Shank square \square	2.1 mm
Number of cutting edges Z	2
Thread size	M1.6
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 ²	suitable only under restricted conditions	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		