

Garant
GARANT Master Tap INOX machine tap HSS-E-PM Form B 6GX, TiAlN, M: M10

Order data

Order number	132193 M10
GTIN	4062406209339
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**

Tolerance class: ISO 3X/6GX. For components which are **galvanised** or shrink slightly when hardened.

Thread type: M

Tool material: HSS E PM

Standard: DIN 371

Tolerance class: ISO 3X 6GX

Thread pitch: 1.5 mm

Overall length L: 100 mm

Shank \varnothing D_s: 10 mm

Shank square □: 8 mm

Tapping hole \varnothing : 8.5 mm

Technical description

Thread depth	30 mm
Thread size	M10
Thread type	M
Shank square □	8 mm
Number of cutting edges Z	3

Tool material	HSS E PM
Tolerance class	ISO 3X 6GX
Shank $\varnothing D_s$	10 mm
Standard	DIN 371
Number of clamping slots	3
Tapping hole \varnothing	8.5 mm
Thread pitch	1.5 mm
Thread \varnothing	10 mm
Overall length L	100 mm
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		