

Garant

GARANT Master Tap INOX machine tap HSS-E-PM IC / Form C 6HX, TiAlN, M: M10



Order data

Order number	135734 M10
GTIN	4062406081508
Item class	11I

Description

Version:

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**

With internal coolant supply

Thread type: M

Tool material: HSS E PM

Standard: DIN 371

Tolerance class: ISO 2X 6HX

Thread pitch: 1.5 mm

Overall length L: 100 mm

Shank Ø D_s: 10 mm

Shank square □: 8 mm

Tapping hole Ø: 8.5 mm

Technical description

Thread depth	25 mm
Tapping hole Ø	8.5 mm
Standard	DIN 371

Number of cutting edges Z	3
Number of clamping slots	3
Shank $\varnothing D_s$	10 mm
Thread pitch	1.5 mm
Thread \varnothing	10 mm
Tool material	HSS E PM
Tolerance class	ISO 2X 6HX
Shank square \square	8 mm
Overall length L	100 mm
Thread type	M
Thread size	M10
Coating	TiAlN
Flank angle	60°
Thread standard	DIN 13
Taper lead form	C
Helix angle	45°
Shank	Plain shank with h9
Through-coolant	yes
Application for type of drilling	up to 2.5×D for blind 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		