

GARANT Master Tap INOX machine tap HSS-E-PM Form E 6HX, TiAIN, M: M20



Order data

Order number	135736 M20
GTIN	4062406081652
Item class	111

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

Form E (lead chamfer: 1.5 - 2 turns).

Thread type: M

Tool material: HSS E PM Standard: DIN 376

Tolerance class: ISO 2X 6HX

Thread pitch: 2.5 mm Overall length L: 140 mm Shank Ø D₃: 16 mm Shank square □: 12 mm Tapping hole Ø: 17.5 mm

Technical description

Thread pitch	2.5 mm
Shank Ø D _s	16 mm
Shank square □	12 mm
Thread Ø	20 mm

Number of clamping slots	4		
Standard	DIN 376		
Thread depth	50 mm		
Tool material	HSS E PM		
Tapping hole Ø	17.5 mm		
Overall length L	140 mm		
Number of cutting edges Z	4		
Tolerance class	ISO 2X 6HX		
Thread type	M		
Thread size	M20		
Coating	TiAlN		
Flank angle	60 °		
Thread standard	DIN 13		
Taper lead form	E		
Helix angle	45 °		
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	Тар		

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	Р
Steel < 900 N/mm ²	suitable only under restricted conditions	23 m/min	Р
Steel < 1100 N/mm ²	suitable	12 m/min	Р
INOX < 900 N/mm ²	suitable	11 m/min	М
INOX > 900 N/mm ²	suitable	9 m/min	М
Oil	suitable		
wet maximum	suitable		