

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



Order data

Order number	132193 M20
GTIN	4062406209377
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 376

Tolerance class: ISO 3X 6GX Thread pitch: 2.5 mm Overall length L: 140 mm Shank Ø D₅: 16 mm Shank square □: 12 mm Tapping hole Ø: 17.5 mm

Technical description

Tolerance class	ISO 3X 6GX
Number of cutting edges Z	3
Overall length L	140 mm
Thread type	M
Shank Ø D _s	16 mm

Tool material	HSS E PM		
Shank square □	12 mm		
Thread depth	60 mm		
Thread pitch	2.5 mm		
Number of clamping slots	3		
Standard	DIN 376		
Thread size	M20		
Tapping hole ∅	17.5 mm		
Thread Ø	20 mm		
Coating	TiAlN		
Flank angle	60°		
Thread standard	DIN 13		
Taper lead form	В		
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	\mathbf{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		