

Garant
GARANT Master Tap INOX machine tap extra long HSS-E-PM Form B 6HX, TiAlN, M: M12

Order data

Order number	132195 M12
GTIN	4062406209445
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**

With extra long shank. Shank to DIN376.

Advantage:

Designed for tapping threads where access is difficult.

Technical description

Tool material	HSS E PM
Tolerance class	ISO 2X 6HX
Overall length L	220 mm
Thread pitch	1.75 mm
Thread Ø	12 mm
Thread size	M12
Standard	Manufacturer's standard
Shank Ø D _s	9 mm
Number of clamping slots	3
Number of cutting edges Z	3

Thread type	M
Tapping hole \varnothing	10.2 mm
Shank square \square	7 mm
Thread depth	36 mm
Coating	TiAlN
Flank angle	60 degrees
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	20 m/min	N
Steel < 750 N/mm ²	suitable only under restricted conditions	16 m/min	P
Steel < 900 N/mm ²	suitable only under restricted conditions	16 m/min	P
Steel < 1100 N/mm ²	suitable	8 m/min	P
INOX < 900 N/mm ²	suitable	7 m/min	M
INOX > 900 N/mm ²	suitable	6 m/min	M
Oil	suitable		
wet maximum	suitable		

