

Garant
GARANT Master Tap INOX machine tap HSS-E-PM Form E 6HX, TiAlN, M: M16

Order data

Order number	135736 M16
GTIN	4062406081645
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 mm

Overall length L: 110 mm

Shank $\varnothing D_s$: 12 mm

Shank square \square : 9 mm

Tapping hole \varnothing : 14 mm

Technical description

Thread type	M
Tool material	HSS E PM
Shank $\varnothing D_s$	12 mm
Tolerance class	ISO 2X 6HX

Tapping hole Ø	14 mm
Standard	DIN 376
Overall length L	110 mm
Shank square □	9 mm
Thread pitch	2 mm
Thread Ø	16 mm
Number of clamping slots	4
Number of cutting edges Z	4
Thread depth	40 mm
Thread size	M16
Coating	TiAlN
Flank angle	60 degrees
Thread standard	DIN 13
Taper lead form	E
Helix angle	45 degrees
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	GARANT Master Tap
Type of product	Tap