

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

**Order data**

Order number	132180 M16
GTIN	4062406080822
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**

**Standard:**
**GARANT Master Tap INOX:**

powerful tap, specially developed for **tapping to high process reliability in rust-resistant and acid-resistant steels** and also **duplex materials**.

- **HSS-E-PM tool material for a high degree of wear resistance**
- **The latest generation of TiAlN multi-layer coating**
- **Parameterised chip flute geometry for optimum chip formation and torsional stiffness**

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<sub>s</sub>: 12 mm

Shank square  $\square$ : 9 mm

Tapping hole  $\varnothing$ : 14 mm

**Technical description**

Shank square $\square$	9 mm
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Shank $\varnothing D_s$	12 mm
Thread type	M
Number of cutting edges Z	3
Overall length L	110 mm
Standard	DIN 376
Tool material	HSS E PM
Tolerance class	ISO 2X 6HX
Thread pitch	2 mm
Thread $\varnothing$	16 mm
Number of clamping slots	3
Thread depth	48 mm
Tapping hole $\varnothing$	14 mm
Thread size	M16
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 3xD 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