

**Garant**
**GARANT Master Tap machine tap HSS-E-PM, ALTiX, MF: 12X1**

**Order data**

Order number	137160 12X1
GTIN	4045197900821
Item class	111

**Description**
**Version:**

**GARANT Master Tap Universal taps**, designed for use in a wide spectrum of materials with high process reliability.

- **HSS-E-PM tool material for maximum wear resistance.**
- **Reduced coefficient of friction due to the new high-performance coating.**
- **Special geometry for optimum swarf evacuation.**

Thread type: MF

Tool material: HSS E PM

Standard: DIN 374

Tolerance class: ISO 2X 6HX

Thread pitch: 1 mm

Overall length L: 100 mm

Shank  $\varnothing D_s$ : 9 mm

Shank square  $\square$ : 7 mm

Tapping hole  $\varnothing$ : 11 mm

**Technical description**

Shank square $\square$	7 mm
Tapping hole $\varnothing$	11 mm
Tool material	HSS E PM
Overall length L	100 mm
Shank $\varnothing D_s$	9 mm
Thread pitch	1 mm

Thread Ø	12 mm
Standard	DIN 374
Number of cutting edges Z	3
Tolerance class	ISO 2X 6HX
Thread depth	30 mm
Number of clamping slots	3
Thread type	MF
Thread size	M12×1
Coating	AlTiX
Flank angle	60 degrees
Thread standard	DIN 13
Taper lead form	C
Helix angle	40 degrees
Shank	Plain shank with h9
Through-coolant	no
Application for type of drilling	up to 2.5×D for blind holes
Cutting direction	right-hand
Type of threading tool	Machine tap for dynamic machining
Colour ring	green
Series	GARANT Master Tap
Type of product	Tap