

**Garant**
**GARANT Master Tap machine tap HSS-E-PM, ALTiX, MF: 9X1**

**Order data**

Order number	137160 9X1
GTIN	4062406209018
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: 90 mm

Shank  $\varnothing D_s$ : 7 mm

Shank square  $\square$ : 5.5 mm

Tapping hole  $\varnothing$ : 8 mm

**Technical description**

Shank $\varnothing D_s$	7 mm
Shank square $\square$	5.5 mm
Standard	DIN 374
Tapping hole $\varnothing$	8 mm
Thread depth	22.5 mm
Tool material	HSS E PM

Number of cutting edges Z	3
Number of clamping slots	3
Overall length L	90 mm
Thread Ø	9 mm
Thread pitch	1 mm
Thread type	MF
Tolerance class	ISO 2X 6HX
Thread size	M9×1
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