

## Garant

### GARANT Master Form Steel fluteless machine tap with oil grooves HSS-E-PM Form C 6HX, TiAlN, M: M12



## Order data

Order number	139194 M12
GTIN	4062406383329
Item class	11I

## Description

### Version:

The latest generation of **high-performance fluteless taps**, specially developed for **use in steel materials**.

- **Optimised polygon geometry for a lower torque.**
- **Multi-layer HIPIMS coating for high wear resistance.**
- **HSS-E-PM substrate for exceptional process reliability.**

**DIN 2174** ( $\approx$  **DIN 371**  $\leq$  M10;  $\approx$  **DIN 376**  $\geq$  M12).

**Tolerance class:** ISO 2X/6HX.

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Thread pitch: 1.75 mm

Overall length L: 110 mm

Shank  $\varnothing$  D<sub>s</sub>: 9 mm

Shank square □: 7 mm

Tapping hole  $\varnothing$  guide value: 11.2 mm

## Technical description

Tolerance class	ISO 2X 6HX
Number of clamping slots	8
Number of cutting edges Z	8
Thread pitch	1.75 mm
Overall length L	110 mm
Thread size	M12

Thread Ø	12 mm
Series	GARANT Master Steel
Shank square □	7 mm
Tapping hole Ø guide value	11.2 mm
Thread depth	36 mm
Shank Ø D <sub>s</sub>	9 mm
Coating	TiAlN
Thread type	M
Flank angle	60 degrees
Tool material	HSS E PM
Standard	DIN 2174
Thread standard	DIN 13
Taper lead form	C
Shank	Plain shank with h9
Through-coolant	no
Application for type of drilling	up to 3×D for blind holes and through holes
Cutting direction	right-hand
Colour ring	without
Type of product	Fluteless tap