

**Garant**
**GARANT Master Form Steel fluteless machine tap with oil grooves HSS-E-PM Form C 6HX, TiAlN, M: M4**

**Order data**

Order number	139194 M4
GTIN	4062406381165
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** (≈ **DIN 371** ≤ M10; ≈ **DIN 376** ≥ M12).

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

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Thread pitch: 0.7 mm

Overall length L: 63 mm

Shank Ø D<sub>s</sub>: 4.5 mm

Shank square □: 3.4 mm

Tapping hole Ø guide value: 3.7 mm

**Technical description**

Shank square □	3.4 mm
Tapping hole Ø guide value	3.7 mm
Tolerance class	ISO 2X 6HX
Shank Ø D <sub>s</sub>	4.5 mm
Number of clamping slots	5
Thread depth	12 mm

Thread size	M4
Thread Ø	4 mm
Overall length L	63 mm
Number of cutting edges Z	5
Thread pitch	0.7 mm
Series	GARANT Master Steel
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 3xD for blind holes and through holes
Cutting direction	right-hand
Colour ring	without
Type of product	Fluteless tap