

Garant
Fluteless machine tap with oil grooves HSS-E-PM Form E 6HX, TiAlN, M: M16

Order data

Order number	139198 M16
GTIN	4062406383459
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.

Form E (lead-in 1.5 – 2 turns) **for deep threads with short run-out.** The thread is tapped almost to the bottom of the hole.

Tolerance class: ISO 2X 6HX

Thread pitch: 2 mm

Overall length L: 110 mm

Shank \varnothing D_s: 12 mm

Shank square \square : 9 mm

Tapping hole \varnothing guide value: 15.1 mm

Technical description

Tolerance class	ISO 2X 6HX
Tapping hole \varnothing guide value	15.1 mm
Shank square \square	9 mm
Number of clamping slots	8
Series	GARANT Master Steel

Number of cutting edges Z	8
Thread pitch	2 mm
Overall length L	110 mm
Thread Ø	16 mm
Thread depth	48 mm
Thread size	M16
Shank Ø D _s	12 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	E
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