

Garant
Fluteless machine tap with oil grooves HSS-E-PM Form E 6HX, TiAlN, M: M3,5

Order data

Order number	139198 M3,5
GTIN	4062406383381
Item class	111

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: 0.6 mm

Overall length L: 56 mm

Shank \varnothing D_s: 4 mm

Shank square □: 3 mm

Tapping hole \varnothing guide value: 3.25 mm

Technical description

Thread depth	10.5 mm
Number of cutting edges Z	4
Shank \varnothing D _s	4 mm
Series	GARANT Master Steel
Overall length L	56 mm

Number of clamping slots	4
Thread size	M3.5
Shank square □	3 mm
Tolerance class	ISO 2X 6HX
Thread Ø	2.9 mm
Thread pitch	0.6 mm
Tapping hole Ø guide value	3.25 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