

Garant
Fluteless machine tap with oil grooves HSS-E-PM Form C 6HX, TiAlN, M: M4

Order data

Order number	139171 M4
GTIN	4045197541819
Item class	11H

Description
Version:

DIN 2174 (\approx DIN 371 \leq M10; \approx DIN 376 \geq M12). **With oil grooves; optimum lubrication effect even in deeper threads.**

Tolerance class: ISO 2X/6HX.

The **innovative polygon form** permits a wide application spectrum. The **multi-function layer structure** achieves **maximum service life** even in **high-tensile materials**.

Special **TiAlN coating**, highly suitable for **aluminium alloys**.

Tolerance class: ISO 2X 6HX

Thread pitch: 0.7 mm

Overall length L: 63 mm

Shank \varnothing D_s: 4.5 mm

Shank square □: 3.4 mm

Tapping hole \varnothing guide value: 3.7 mm

Technical description

Number of cutting edges Z	4
Thread pitch	0.7 mm
Thread \varnothing	4 mm
Number of clamping slots	4
Shank \varnothing D _s	4.5 mm
Shank square □	3.4 mm
Overall length L	63 mm
Tapping hole \varnothing guide value	3.7 mm

Tolerance class	ISO 2X 6HX
Thread depth	12 mm
Thread size	M4
Coating	TiAlN
Thread type	M
Flank angle	60 °
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
Application for type of drilling	up to 3×D for through holes
Cutting direction	right-hand
Colour ring	yellow
Type of product	Fluteless tap

User data

	Suitability	V _c	ISO code
Alu plastics	suitable	42 m/min	N
Aluminium (short chipping)	suitable	42 m/min	N
Alu > 10% Si	suitable	28 m/min	N
Steel < 500 N/mm ²	suitable	32 m/min	P
Oil	suitable		
wet maximum	suitable		