

**Garant**
**Fluteless machine tap with oil grooves HSS-E-PM Form C 6HX, TiAlN, M: M5**

**Order data**

Order number	139171 M5
GTIN	4045197541826
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: 0.8 mm

Overall length L: 70 mm

Shank  $\varnothing D_s$ : 6 mm

Shank square  $\square$ : 4.9 mm

Tapping hole  $\varnothing$  guide value: 4.65 mm

**Technical description**

Number of clamping slots	4
Thread $\varnothing$	5 mm
Thread pitch	0.8 mm
Number of cutting edges Z	4
Shank $\varnothing D_s$	6 mm
Shank square $\square$	4.9 mm
Overall length L	70 mm
Tapping hole $\varnothing$ guide value	4.65 mm

Tolerance class	ISO 2X 6HX
Thread depth	15 mm
Thread size	M5
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 <sub>c</sub>	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 <sup>2</sup>	suitable	32 m/min	P
Oil	suitable		
wet maximum	suitable		