

**Garant**
**Synchronised fluteless machine tap with oil grooves HSS-E-PM Form E, TiN, M: M5**

**Order data**

Order number	139215 M5
GTIN	4045197509413
Item class	11H

**Description**
**Version:**

**Special polygon geometry and shank to DIN 1835-B** for machines with **synchronised spindle drive**. **With oil grooves; optimal lubrication effect even in deeper threads.**

The **innovative polygon form** permits a wide application spectrum. The **multi-function layered coating** achieves **maximum service life** even in **high-tensile materials** in **fixed** applications.

**Form E** (lead-in: 1.5 – 2 turns) **for deep threads with short run-out.**

**Note:**

**For use on synchronised spindles**, the **GARANT** quick-change tapping chuck **No. 338100 – 338121 with minimum length adjustment (MLA)** ensures the highest process reliability.

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  $\varnothing$  with guide value: 4.65 mm

**Technical description**

Thread $\varnothing$	5 mm
Number of cutting edges Z	5
Number of clamping slots	5
Thread pitch	0.8 mm
Shank $\varnothing D_s$	6 mm

Shank square □	4.9 mm
Overall length L	70 mm
Tapping hole Ø with guide value	4.65 mm
Tolerance class	ISO 2X 6HX
Thread depth	12.5 mm
Thread size	M5
Coating	TiN
Thread type	M
Flank angle	60 degrees
Tool material	HSS E PM
Standard	Manufacturer's standard
Thread standard	DIN 13
Taper lead form	E
Shank	DIN 1835 B with h6
Through-coolant	no
Application for type of drilling	up to 2.5×D for blind holes and through holes
Cutting direction	right-hand
Shank tolerance	h6
Colour ring	green
Type of product	Fluteless tap