

Garant
Synchronised fluteless machine tap with oil grooves HSS-E-PM Form E, TiN, M: M10

Order data

Order number	139215 M10
GTIN	4045197509444
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: 1.5 mm

Overall length L: 100 mm

Shank $\varnothing D_s$: 10 mm

Shank square \square : 8 mm

Tapping hole \varnothing with guide value: 9.35 mm

Technical description

Thread \varnothing	10 mm
Number of clamping slots	5
Thread pitch	1.5 mm
Number of cutting edges Z	5
Shank $\varnothing D_s$	10 mm

Shank square □	8 mm
Overall length L	100 mm
Tapping hole Ø with guide value	9.35 mm
Tolerance class	ISO 2X 6HX
Thread depth	25 mm
Thread size	M10
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