

Garant

Synchronised fluteless machine tap with oil grooves HSS-E-PM Form E, TiN, M: M12



Order data

Order number	139215 M12
GTIN	4045197509451
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: 1.75 mm

Overall length L: 110 mm

Shank $\varnothing D_s$: 12 mm

Shank square \square : 9 mm

Tapping hole \varnothing with guide value: 11.2 mm

Technical description

Thread \varnothing	12 mm
Number of clamping slots	5
Number of cutting edges Z	5
Thread pitch	1.75 mm
Shank $\varnothing D_s$	12 mm

Shank square □	9 mm
Overall length L	110 mm
Tapping hole Ø with guide value	11.2 mm
Tolerance class	ISO 2X 6HX
Thread depth	30 mm
Thread size	M12
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