

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

Order data

Order number	139210 M12
GTIN	4045197446954
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.

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 pitch	1.75 mm
Number of clamping slots	5
Thread \varnothing	12 mm
Number of cutting edges Z	5
Shank $\varnothing D_s$	12 mm
Shank square \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	C
Shank	DIN 1835 B with h6
Through-coolant	no
Application for type of drilling	up to 2.5xD for blind holes and through holes
Cutting direction	right-hand
Shank tolerance	h6
Colour ring	green
Type of product	Fluteless tap