

Garant
Machine tap for synchronised spindles HSS-E-PM Form E, TiAlN, M: M12

Order data

Order number	132560 M12
GTIN	4045197585363
Item class	11H

Description
Version:

Sturdy design with shank to DIN 1835-B. Special geometry for use on machines with **synchronised spindle drives**. The tap is controlled by the synchronising spindle of the machine. **Special TiAlN coating for optimum tool life.** For use with **emulsion** (fat content minimum 8 %).

Also outstandingly suitable for **bainite cast iron (ADI)**.

Note:

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

Thread type: M

Tool material: HSS E PM

Standard: Manufacturer's standard

Tolerance class: ISO 2X 6HX

Thread pitch: 1.75 mm

Overall length L: 110 mm

Shank Ø D_s: 12 mm

Shank square □: 9 mm

Tapping hole Ø: 10.2 mm

Technical description

Thread pitch	1.75 mm
Number of cutting edges Z	4
Thread Ø	12 mm
Number of clamping slots	4
Tapping hole Ø	10.2 mm

Standard	Manufacturer's standard
Shank $\varnothing D_s$	12 mm
Overall length L	110 mm
Shank square \square	9 mm
Tolerance class	ISO 2X 6HX
Tool material	HSS E PM
Thread depth	30 mm
Thread type	M
Thread size	M12
Coating	TiAlN
Flank angle	60 degrees
Thread standard	DIN 13
Taper lead form	E
Shank	DIN 1835 B with h6
Through-coolant	no
Application for type of drilling	up to 2.5xD for blind holes and through holes
Cutting direction	right-hand
Shank tolerance	h6
Type of threading tool	Machine tap for synchronous machining
Colour ring	white
Type of product	Tap