

**Garant**
**Synchronised fluteless machine tap with oil grooves Solid carbide, TiAlN, M: M12**

**Order data**

Order number	139242 M12
GTIN	4045197365637
Item class	11H

**Description**
**Version:**

**Special polygon geometry and shank to DIN 6535-HA** for use on machines with **synchronised spindle drives. With oil grooves; optimal lubrication effect even in deeper threads.**

**Special solid carbide tool material** for high cutting speeds and long tool life. **TiAlN and anti-friction coating** ensure low wear and low tendency to edge build-up.

**Note:**

**For use on synchronised spindles, the GARANT quick-change tapping chuck No. 338100 – 338121 with minimum length adjustment (MLA)** ensures very high 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
Thread $\varnothing$	12 mm
Number of clamping slots	6
Number of cutting edges Z	6
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	36 mm
Thread size	M12
Coating	TiAlN
Thread type	M
Flank angle	60 degrees
Tool material	Solid carbide
Standard	Manufacturer's standard
Thread standard	DIN 13
Taper lead form	C
Shank	DIN 6535 HA with h6
Through-coolant	no
Application for type of drilling	up to 3×D for blind holes and through holes
Cutting direction	right-hand
Shank tolerance	h6
Colour ring	without
Type of product	Fluteless tap