

**Garant**
**Machine tap for synchronised spindles HSS-E-PM IC / Form C, TiAlN, M: M10**

**Order data**

Order number	136176 M10
GTIN	4045197508478
Item class	11H

**Description**
**Version:**
**Sturdy design with right-hand chip flutes and shank to DIN 1835-B.**

Special geometry for **universal applications** on machines with **synchronised spindle drive**. The tap is guided by the synchronised spindle on the machine. Special **TiAlN-S coating** for optimum tool life.

For use with **emulsion** (fat content minimum 8%).

**Internal coolant feed** for maximum tool life.

**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.

Thread type: M

Tool material: HSS E PM

Standard: Manufacturer's standard

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  $\varnothing$ : 8.5 mm

**Technical description**

Thread pitch	1.5 mm
Number of cutting edges Z	3
Thread $\varnothing$	10 mm
Tapping hole $\varnothing$	8.5 mm

Number of clamping slots	3
Standard	Manufacturer's standard
Shank $\varnothing D_s$	10 mm
Overall length L	100 mm
Shank square $\square$	8 mm
Tolerance class	ISO 2X 6HX
Tool material	HSS E PM
Thread depth	30 mm
Thread type	M
Thread size	M10
Coating	TiAlN
Flank angle	60 degrees
Thread standard	DIN 13
Taper lead form	C
Helix angle	40 degrees
Shank	DIN 1835 B to h6
Through-coolant	yes
Application for type of drilling	up to 3xD for blind holes
Cutting direction	right-hand
Shank tolerance	h6
Type of threading tool	Machine tap for synchronous machining
Colour ring	green
Type of product	Tap