

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

Order data

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|--------------|---------------|
| Order number | 136173 M10 |
| GTIN | 4045197508416 |
| 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%).

Form E (lead chamfer: 1.5 - 2 turns) for the deepest possible thread depths.

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

| | |
|---------------------------|--------|
| Number of cutting edges Z | 4 |
| Number of clamping slots | 4 |
| Thread \varnothing | 10 mm |
| Thread pitch | 1.5 mm |

| | |
|----------------------------------|---------------------------------------|
| Tapping hole Ø | 8.5 mm |
| Standard | Manufacturer's standard |
| Shank Ø D _s | 10 mm |
| Overall length L | 100 mm |
| Shank 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 | E |
| Helix angle | 40 degrees |
| Shank | DIN 1835 B to h6 |
| Through-coolant | no |
| Application for type of drilling | up to 3×D 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 |