

**Garant**
**Machine tap for synchronised spindles HSS-E-PM, TiAlN, M: M16**

**Order data**

|              |               |
|--------------|---------------|
| Order number | 132280 M16    |
| GTIN         | 4045197446169 |
| Item class   | 11H           |

**Description**
**Version:**

**Sturdy design with spiral point and 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-S coating** for optimum tool life. For use with **emulsion** (fat content minimum 8%).

**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: 2 mm

Overall length L: 110 mm

Shank  $\varnothing$  D<sub>s</sub>: 12 mm

Shank square □: 9 mm

Tapping hole  $\varnothing$ : 14 mm

**Technical description**

|                            |       |
|----------------------------|-------|
| Number of cutting edges Z  | 3     |
| Thread $\varnothing$       | 16 mm |
| Tapping hole $\varnothing$ | 14 mm |
| Number of clamping slots   | 3     |
| Thread pitch               | 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                     | 40 mm                                 |
| Thread type                      | M                                     |
| Thread size                      | M16                                   |
| Coating                          | TiAlN                                 |
| Flank angle                      | 60 degrees                            |
| Thread standard                  | DIN 13                                |
| Taper lead form                  | B                                     |
| Shank                            | DIN 1835 B with h6                    |
| Through-coolant                  | no                                    |
| Application for type of drilling | up to 2.5xD for through holes         |
| Cutting direction                | right-hand                            |
| Shank tolerance                  | h6                                    |
| Type of threading tool           | Machine tap for synchronous machining |
| Colour ring                      | blue                                  |
| Type of product                  | Tap                                   |