

**Garant**
**Fluteless machine tap with oil grooves HSS-E-PM Form C 6HX, TiAlN, M: M16**

**Order data**

|              |               |
|--------------|---------------|
| Order number | 139171 M16    |
| GTIN         | 4045197541871 |
| Item class   | 11H           |

**Description**
**Version:**

**DIN 2174** ( $\approx$  DIN 371  $\leq$  M10;  $\approx$  DIN 376  $\geq$  M12). **With oil grooves; optimum lubrication effect even in deeper threads.**

**Tolerance class:** ISO 2X/6HX.

The **innovative polygon form** permits a wide application spectrum. The **multi-function layer structure** achieves **maximum service life** even in **high-tensile materials**.

Special **TiAlN coating**, highly suitable for **aluminium alloys**.

Tolerance class: ISO 2X 6HX

Thread pitch: 2 mm

Overall length L: 110 mm

Shank  $\varnothing D_s$ : 12 mm

Shank square  $\square$ : 9 mm

Tapping hole  $\varnothing$  with guide value: 15.1 mm

**Technical description**

|                                             |         |
|---------------------------------------------|---------|
| Number of clamping slots                    | 6       |
| Thread $\varnothing$                        | 16 mm   |
| Number of cutting edges Z                   | 6       |
| Thread pitch                                | 2 mm    |
| Shank $\varnothing D_s$                     | 12 mm   |
| Shank square $\square$                      | 9 mm    |
| Overall length L                            | 110 mm  |
| Tapping hole $\varnothing$ with guide value | 15.1 mm |

|                                  |                                             |
|----------------------------------|---------------------------------------------|
| Tolerance class                  | ISO 2X 6HX                                  |
| Thread depth                     | 48 mm                                       |
| Thread size                      | M16                                         |
| Coating                          | TiAlN                                       |
| Thread type                      | M                                           |
| Flank angle                      | 60 degrees                                  |
| Tool material                    | HSS E PM                                    |
| Standard                         | DIN 2174                                    |
| Thread standard                  | DIN 13                                      |
| Taper lead form                  | C                                           |
| Shank                            | Plain shank with h9                         |
| Through-coolant                  | no                                          |
| Application for type of drilling | up to 3×D for blind holes and through holes |
| Cutting direction                | right-hand                                  |
| Colour ring                      | yellow                                      |
| Type of product                  | Fluteless tap                               |