

**Garant**
**GARANT Master Tap machine tap Left-hand thread, AlTiX, MF-LH: 16X1,5**

**Order data**

|              |               |
|--------------|---------------|
| Order number | 137190 16X1,5 |
| GTIN         | 4045197901439 |
| Item class   | 11I           |

**Description**
**Version:**

**Universal taps**, designed for use in a wide spectrum of materials with high process reliability.

- **HSS-E-PM tool material for a high degree of wear resistance.**
- **Reduced coefficient of friction due to the new high-performance coating.**
- **Special geometry for optimum swarf evacuation.**

Thread type: MF-LH

Tool material: HSS E PM

Standard: DIN 374

Tolerance class: ISO 2X 6HX

Thread pitch: 1.5 mm

Overall length L: 100 mm

Shank Ø D<sub>s</sub>: 12 mm

Shank square □: 9 mm

Tapping hole Ø: 14.5 mm

**Technical description**

|                           |            |
|---------------------------|------------|
| Shank Ø D <sub>s</sub>    | 12 mm      |
| Tolerance class           | ISO 2X 6HX |
| Number of clamping slots  | 3          |
| Thread size               | M16×1.5 LH |
| Thread type               | MF-LH      |
| Standard                  | DIN 374    |
| Number of cutting edges Z | 3          |

|                                  |                                   |
|----------------------------------|-----------------------------------|
| Tapping hole Ø                   | 14.5 mm                           |
| Shank square □                   | 9 mm                              |
| Overall length L                 | 100 mm                            |
| Tool material                    | HSS E PM                          |
| Thread pitch                     | 1.5 mm                            |
| Thread depth                     | 48 mm                             |
| Thread Ø                         | 16 mm                             |
| Coating                          | AlTiX                             |
| Flank angle                      | 60 degrees                        |
| Thread standard                  | DIN 13                            |
| Taper lead form                  | C                                 |
| Helix angle                      | 40 degrees                        |
| Shank                            | Plain shank with h9               |
| Through-coolant                  | no                                |
| Application for type of drilling | up to 2.5×D for blind holes       |
| Cutting direction                | left-hand                         |
| Type of threading tool           | Machine tap for dynamic machining |
| Colour ring                      | green                             |
| Series                           | GARANT Master Tap                 |
| Type of product                  | Tap                               |