

**Garant****GARANT Master Tap INOX machine tap HSS-E-PM, TiAlN, UNF: 4-48****Order data**

|              |               |
|--------------|---------------|
| Order number | 133406 4-48   |
| GTIN         | 4062406209643 |
| Item class   | 11I           |

**Description****Version:**

High-performance tap, specially developed for **good process reliability in stainless and acid-resistant steels** and **duplex materials**.

- **HSS-E-PM tool material for maximum wear resistance**
- **The latest generation of TiAlN multi-layer coating**
- **Parameterised flute geometry for optimum chip formation and torsional rigidity.**

**Application:**

**For UNF uniform fine threads** ASME – B1.1.

Thread type: UNF

Tool material: HSS E PM

Standard: DIN 371

Threads per inch: 48

Thread Ø: 2.84 mm

Overall length L: 56 mm

Shank Ø D<sub>s</sub>: 3.5 mm

Shank square □: 2.7 mm

Tapping hole Ø: 2.4 mm

**Technical description**

|                  |          |
|------------------|----------|
| Shank square □   | 2.7 mm   |
| Threads per inch | 48       |
| Thread size      | 4-48 UNF |
| Thread type      | UNF      |
| Thread depth     | 8.52 mm  |

|                                  |                                   |
|----------------------------------|-----------------------------------|
| Overall length L                 | 56 mm                             |
| Number of clamping slots         | 3                                 |
| Thread Ø                         | 2.84 mm                           |
| Tool material                    | HSS E PM                          |
| Thread pitch                     | 0.529 mm                          |
| Tapping hole Ø                   | 2.4 mm                            |
| Standard                         | DIN 371                           |
| Shank Ø D <sub>s</sub>           | 3.5 mm                            |
| Number of cutting edges Z        | 3                                 |
| Series                           | GARANT Master Tap                 |
| Coating                          | TiAlN                             |
| Flank angle                      | 60 degrees                        |
| Tolerance class                  | 2BX                               |
| Taper lead form                  | B                                 |
| Shank                            | Plain shank with h9               |
| Through-coolant                  | no                                |
| Application for type of drilling | up to 3×D for through holes       |
| Cutting direction                | right-hand                        |
| Type of threading tool           | Machine tap for dynamic machining |
| Colour ring                      | blue                              |
| Type of product                  | Tap                               |