

**Garant**
**GARANT Master Tap INOX machine tap HSS-E-PM Form C 6GX, TiAlN, M: M2**

**Order data**

|              |               |
|--------------|---------------|
| Order number | 135737 M2     |
| GTIN         | 4062406208097 |
| Item class   | 11I           |

**Description**
**Version:**

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

**The 45° helix angle** of the flutes facilitates chip formation especially in ductile austenitic CrNi steels.

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

**Tolerance class ISO 3X/6GX.** For components which are **galvanised** or shrink slightly when hardened.

Thread type: M

Tool material: HSS E PM

Standard: DIN 371

Tolerance class: ISO 3X 6GX

Thread pitch: 0.4 mm

Overall length L: 45 mm

Shank Ø D<sub>s</sub>: 2.8 mm

Shank square □: 2.1 mm

Tapping hole Ø: 1.6 mm

**Technical description**

|                        |            |
|------------------------|------------|
| Shank Ø D <sub>s</sub> | 2.8 mm     |
| Thread type            | M          |
| Shank square □         | 2.1 mm     |
| Tolerance class        | ISO 3X 6GX |

|                                  |                                   |
|----------------------------------|-----------------------------------|
| Thread Ø                         | 2 mm                              |
| Tool material                    | HSS E PM                          |
| Tapping hole Ø                   | 1.6 mm                            |
| Number of clamping slots         | 3                                 |
| Thread size                      | M2                                |
| Thread pitch                     | 0.4 mm                            |
| Standard                         | DIN 371                           |
| Thread depth                     | 5 mm                              |
| Overall length L                 | 45 mm                             |
| Number of cutting edges Z        | 3                                 |
| Coating                          | TiAlN                             |
| Flank angle                      | 60 degrees                        |
| Thread standard                  | DIN 13                            |
| Taper lead form                  | C                                 |
| Helix angle                      | 45 degrees                        |
| Shank                            | Plain shank with h9               |
| Through-coolant                  | no                                |
| Application for type of drilling | up to 2.5×D for blind holes       |
| Cutting direction                | right-hand                        |
| Type of threading tool           | Machine tap for dynamic machining |
| Colour ring                      | blue                              |
| Series                           | GARANT Master Tap                 |
| Type of product                  | Tap                               |