

**Garant****GARANT Master Tap machine tap HSS-E-PM Form C, AlTiX, M: M22****Order data**

|              |               |
|--------------|---------------|
| Order number | 135960 M22    |
| GTIN         | 4062406266547 |
| 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.**

Corresponds to **ISO 2X/6HX**.

Thread type: M

Tool material: HSS E PM

Standard: DIN 376

Tolerance class: ISO 2X 6HX

Thread pitch: 2.5 mm

Overall length L: 140 mm

Shank Ø D<sub>s</sub>: 18 mm

Shank square □: 14.5 mm

Tapping hole Ø: 19.5 mm

**Technical description**

|                           |        |
|---------------------------|--------|
| Thread type               | M      |
| Thread pitch              | 2.5 mm |
| Number of cutting edges Z | 4      |
| Number of clamping slots  | 4      |
| Thread depth              | 55 mm  |
| Thread size               | M22    |

|                                  |                                   |
|----------------------------------|-----------------------------------|
| Shank Ø D <sub>s</sub>           | 18 mm                             |
| Tool material                    | HSS E PM                          |
| Tapping hole Ø                   | 19.5 mm                           |
| Thread Ø                         | 22 mm                             |
| Tolerance class                  | ISO 2X 6HX                        |
| Standard                         | DIN 376                           |
| Overall length L                 | 140 mm                            |
| Shank square □                   | 14.5 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                | right-hand                        |
| Type of threading tool           | Machine tap for dynamic machining |
| Colour ring                      | green                             |
| Series                           | GARANT Master Tap                 |
| Type of product                  | Tap                               |