

Garant

GARANT Master Tap INOX machine tap HSS-E-PM Form E, TiAlN, G: G1/2 inch



Order data

| | |
|--------------|---------------|
| Order number | 137752 G1/2 |
| GTIN | 4062406210328 |
| Item class | 11I |

Description

Version:

GARANT Master Tap INOX:

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

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

- **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**

Form E (1.5-2 turns lead chamfer).

Application:

For Whitworth parallel pipe threads DIN-ISO 228/1 (threads that do not form a seal within the connection).

Tool material: HSS E PM

Threads per inch: 14

Thread Ø: 20.96 mm

Overall length L: 125 mm

Shank Ø D_s: 16 mm

Shank square □: 12 mm

Tapping hole Ø: 19 mm

Technical description

| | |
|------------------------|----------|
| Shank Ø D _s | 16 mm |
| Thread pitch | 1.814 mm |

| | |
|----------------------------------|-----------------------------------|
| Number of clamping slots | 5 |
| Tool material | HSS E PM |
| Threads per inch | 14 |
| Thread depth | 52.4 mm |
| Shank square □ | 12 mm |
| Thread Ø | 20.96 mm |
| Overall length L | 125 mm |
| Tapping hole Ø | 19 mm |
| Number of cutting edges Z | 5 |
| Thread size | G1/2 |
| Series | GARANT Master Tap |
| Coating | TiAlN |
| Thread type | G |
| Flank angle | 55 degrees |
| Standard | DIN 5156 |
| Taper lead form | E |
| 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 |
| Type of product | Tap |