

Garant
GARANT Master Tap INOX machine tap HSS-E-PM, TiAlN, UNC: 1/4-20

Order data

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|--------------|---------------|
| Order number | 137857 1/4-20 |
| GTIN | 4062406210069 |
| Item class | 111 |

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 rigidity.**

Application:

For UNC uniform coarse threads ASME – B1.1.

Thread type: UNC

Tool material: HSS E PM

Standard: DIN 371

Threads per inch: 20

Thread Ø: 6.35 mm

Overall length L: 80 mm

Shank Ø D_s: 7 mm

Shank square □: 5.5 mm

Tapping hole Ø: 5.1 mm

Technical description

| | |
|--------------------------|----------|
| Tool material | HSS E PM |
| Number of clamping slots | 3 |
| Thread type | UNC |
| Threads per inch | 20 |
| Thread pitch | 1.27 mm |

| | |
|----------------------------------|-----------------------------------|
| Overall length L | 80 mm |
| Thread Ø | 6.35 mm |
| Thread depth | 15.88 mm |
| Number of cutting edges Z | 3 |
| Shank square □ | 5.5 mm |
| Thread size | 1/4-20 UNC |
| Tapping hole Ø | 5.1 mm |
| Standard | DIN 371 |
| Shank Ø D _s | 7 mm |
| Series | GARANT Master Tap |
| Coating | TiAlN |
| Flank angle | 60 degrees |
| Tolerance class | 2BX |
| 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 |
| Type of product | Tap |