

Garant
GARANT Master Tap machine tap HSS-E-PM, ALTiX, UNF: 2-64

Order data

| | |
|--------------|---------------|
| Order number | 138010 2-64 |
| GTIN | 4062406209216 |
| Item class | 111 |

Description
Version:

GARANT Master Tap Universal tap, designed for use in a wide spectrum of materials with high process reliability.

- **HSS-E-PM tool material for maximum wear resistance.**
- **Reduced coefficient of friction due to the new high-performance coating.**
- **Special geometry for optimum swarf evacuation.**

Application:

For UNF uniform fine threads ASME – B1.1.

Thread type: UNF

Tool material: HSS E PM

Standard: DIN 371

Threads per inch: 64

Thread Ø: 2.18 mm

Overall length L: 45 mm

Shank Ø D_s: 2.8 mm

Shank square □: 2.1 mm

Tapping hole Ø: 1.85 mm

Technical description

| | |
|--------------------------|----------|
| Overall length L | 45 mm |
| Thread pitch | 0.399 mm |
| Thread depth | 5.45 mm |
| Shank square □ | 2.1 mm |
| Number of clamping slots | 3 |

| | |
|----------------------------------|-----------------------------------|
| Number of cutting edges Z | 3 |
| Thread Ø | 2.18 mm |
| Tapping hole Ø | 1.85 mm |
| Standard | DIN 371 |
| Shank Ø D _s | 2.8 mm |
| Thread type | UNF |
| Threads per inch | 64 |
| Thread size | 2-64 UNF |
| Tool material | HSS E PM |
| Series | Master Tap |
| Coating | AlTiX |
| Flank angle | 60° |
| Tolerance class | 2BX |
| Taper lead form | C |
| Helix angle | 40° |
| 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 |
| Type of product | Tap |

User data

| | Suitability | V _c | ISO code |
|----------------------------|-------------|----------------|----------|
| Alu plastics | suitable | 30 m/min | N |
| Aluminium (short chipping) | suitable | 35 m/min | N |
| Alu > 10% Si | suitable | 20 m/min | N |

| | | | |
|--------------------------------|----------|----------|---|
| Steel < 500 N/mm ² | suitable | 30 m/min | P |
| Steel < 750 N/mm ² | suitable | 30 m/min | P |
| Steel < 900 N/mm ² | suitable | 25 m/min | P |
| Steel < 1100 N/mm ² | suitable | 12 m/min | P |
| Steel < 1400 N/mm ² | suitable | 8 m/min | P |
| INOX < 900 N/mm ² | suitable | 10 m/min | M |
| INOX > 900 N/mm ² | suitable | 8 m/min | M |
| GG(G) | suitable | 20 m/min | K |
| CuZn | suitable | 20 m/min | N |
| Uni | suitable | | |
| Oil | suitable | | |
| wet maximum | suitable | | |