

Garant
GARANT Master Tap machine tap extra long HSS-E-PM, ALTiX, G: G3/8

Order data

| | |
|--------------|---------------|
| Order number | 133333 G3/8 |
| GTIN | 4062406208622 |
| Item class | 111 |

Description
Version:

GARANT Master Tap Universal taps, 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.**

With extra-long shank

Advantage:

Ideal for tapping threads in places where access is difficult.

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: 19

Thread Ø: 16.66 mm

Overall length L: 200 mm

Shank Ø D_s: 12 mm

Shank square □: 9 mm

Tapping hole Ø: 15.25 mm

Technical description

| | |
|------------------|----------|
| Tapping hole Ø | 15.25 mm |
| Tool material | HSS E PM |
| Overall length L | 200 mm |
| Threads per inch | 19 |

| | |
|----------------------------------|-----------------------------------|
| Number of cutting edges Z | 2 |
| Thread size | G3/8 |
| Shank $\varnothing D_s$ | 12 mm |
| Thread pitch | 1.337 mm |
| Number of clamping slots | 2 |
| Thread depth | 49.98 mm |
| Shank square \square | 9 mm |
| Thread \varnothing | 16.66 mm |
| Series | Master Tap |
| Coating | AlTiX |
| Thread type | G |
| Flank angle | 55° |
| Standard | Manufacturer's standard |
| Taper lead form | B |
| Shank | Plain shank with h9 |
| Through-coolant | no |
| Application for type of drilling | up to 3×D for through 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 | 24 m/min | N |
| Aluminium (short chipping) | suitable | 28 m/min | N |
| Alu > 10% Si | suitable | 16 m/min | N |
| Steel < 500 N/mm ² | suitable | 24 m/min | P |

| | | | |
|--------------------------------|----------|----------|---|
| Steel < 750 N/mm ² | suitable | 24 m/min | P |
| Steel < 900 N/mm ² | suitable | 20 m/min | P |
| Steel < 1100 N/mm ² | suitable | 10 m/min | P |
| Steel < 1400 N/mm ² | suitable | 6 m/min | P |
| INOX < 900 N/mm ² | suitable | 8 m/min | M |
| INOX > 900 N/mm ² | suitable | 6 m/min | M |
| GG(G) | suitable | 16 m/min | K |
| CuZn | suitable | 20 m/min | N |
| Uni | suitable | | |
| Oil | suitable | | |
| wet maximum | suitable | | |