

Garant
GARANT Master Tap machine tap extra long HSS-E-PM 6HX, ALTiX, MF: 20X1,5

Order data

| | |
|--------------|---------------|
| Order number | 137162 20X1,5 |
| GTIN | 4062406209094 |
| 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:

Designed for tapping threads where access is difficult.

Technical description

| | |
|---------------------------|------------|
| Thread size | M20×1.5 |
| Shank square □ | 12 mm |
| Number of cutting edges Z | 4 |
| Thread pitch | 1.5 mm |
| Tolerance class | ISO 2X 6HX |
| Number of clamping slots | 4 |
| Shank Ø D _s | 16 mm |
| Thread Ø | 20 mm |
| Thread type | MF |
| Tapping hole Ø | 18.5 mm |

| | |
|----------------------------------|-----------------------------------|
| Standard | Manufacturer's standard |
| Thread depth | 50 mm |
| Overall length L | 250 mm |
| Tool material | HSS E PM |
| 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 | Master Tap |
| 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 | 16 m/min | N |
| Uni | suitable | | |
| Oil | suitable | | |
| wet maximum | suitable | | |