

## Garant

### GARANT Master Tap machine tap extra-long HSS-E-PM, 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.

Thread type: MF

Tool material: HSS E PM

Standard: Manufacturer's standard

Tolerance class: ISO 2X 6HX

Thread pitch: 1.5 mm

Overall length L: 250 mm

Shank  $\varnothing$  D<sub>s</sub>: 16 mm

Shank square □: 12 mm

Tapping hole  $\varnothing$ : 18.5 mm

#### 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 $\varnothing D_s$	16 mm
Thread $\varnothing$	20 mm
Thread type	MF
Tapping hole $\varnothing$	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 2.5xD for blind holes
Cutting direction	right-hand
Type of threading tool	Machine tap for dynamic machining
Colour ring	green
Series	GARANT Master Tap
Type of product	Tap