

Garant

GARANT Master Tap machine tap extra long HSS-E-PM Form C, ALTiX, G: G1/2



Order data

Order number	137807 G1/2
GTIN	4062406209148
Item class	111

Description

Version:

Universal taps, designed for use in a wide spectrum of materials with high process reliability.

- **HSS-E-PM tool material for a high degree of 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.

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: 14

Thread Ø: 20.96 mm

Overall length L: 250 mm

Shank Ø D_s: 16 mm

Shank square □: 12 mm

Tapping hole Ø: 19 mm

Technical description

Tapping hole Ø	19 mm
Shank square □	12 mm
Number of cutting edges Z	3
Overall length L	250 mm

Tool material	HSS E PM
Thread Ø	20.96 mm
Thread size	G1/2
Threads per inch	14
Thread pitch	1.814 mm
Number of clamping slots	3
Shank Ø D _s	16 mm
Thread depth	52.4 mm
Series	Master Tap
Coating	AlTiX
Thread type	G
Flank angle	55 °
Standard	Manufacturer's standard
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	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		