

**Garant****GARANT Master Tap machine tap HSS-E-PM, ALTiX, UNC: 3/8-16****Order data**

Order number	133360 3/8-16
GTIN	4045197901705
Item class	11I

**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.**

**Application:**

**For UNC uniform coarse threads** ASME – B1.1.

Thread type: UNC

Tool material: HSS E PM

Standard: DIN 371

Threads per inch: 16

Thread Ø: 9.53 mm

Overall length L: 100 mm

Shank Ø D<sub>s</sub>: 10 mm

Shank square □: 8 mm

Tapping hole Ø: 8 mm

**Technical description**

Overall length L	100 mm
Shank Ø D <sub>s</sub>	10 mm
Number of cutting edges Z	3
Tool material	HSS E PM
Thread size	3/8-16 UNC

Standard	DIN 371
Shank square □	8 mm
Number of clamping slots	3
Thread pitch	1.587 mm
Tapping hole Ø	8 mm
Thread type	UNC
Threads per inch	16
Thread Ø	9.53 mm
Thread depth	28.59 mm
Series	Master Tap
Coating	AlTiX
Flank angle	60°
Tolerance class	2BX
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 <sub>c</sub>	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 <sup>2</sup>	suitable	30 m/min	P

Steel < 750 N/mm <sup>2</sup>	suitable	30 m/min	P
Steel < 900 N/mm <sup>2</sup>	suitable	25 m/min	P
Steel < 1100 N/mm <sup>2</sup>	suitable	12 m/min	P
Steel < 1400 N/mm <sup>2</sup>	suitable	8 m/min	P
INOX < 900 N/mm <sup>2</sup>	suitable	10 m/min	M
INOX > 900 N/mm <sup>2</sup>	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		