

**Garant**
**GARANT Master Tap machine tap HSS-E-PM Form C 6HX DIN 376, AlTiX, M: M5**

**Order data**

Order number	135962 M5
GTIN	4062406278618
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.**

**All sizes: Shank to DIN 376 (= shank Ø relieved);** thus suitable for greater operating depths.

Thread type: M

Tool material: HSS E PM

Standard: DIN 371

Tolerance class: ISO 2X 6HX

Thread pitch: 0.8 mm

Overall length L: 70 mm

Shank Ø D<sub>s</sub>: 3.5 mm

Shank square □: 2.7 mm

Tapping hole Ø: 4.2 mm

**Technical description**

Tool material	HSS E PM
Shank Ø D <sub>s</sub>	3.5 mm
Overall length L	70 mm
Thread pitch	0.8 mm
Tapping hole Ø	4.2 mm
Thread type	M

Number of clamping slots	3
Tolerance class	ISO 2X 6HX
Thread depth	12.5 mm
Thread size	M5
Standard	DIN 371
Number of cutting edges Z	3
Shank square □	2.7 mm
Thread Ø	5 mm
Coating	AlTiX
Flank angle	60°
Thread standard	DIN 13
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
Series	Master Tap
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		