

**Garant**
**GARANT Master Tap machine tap Form B 6HX DIN 376, AlTiX, M: M10**

**Order data**

Order number	132726 M10
GTIN	4062406278588
Item class	11I

**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 376

Tolerance class: ISO 2X 6HX

Thread pitch: 1.5 mm

Overall length L: 100 mm

Shank Ø D<sub>s</sub>: 7 mm

Shank square □: 5.5 mm

Tapping hole Ø: 8.5 mm

**Technical description**

Tool material	HSS E PM
Standard	DIN 376
Tapping hole Ø	8.5 mm
Thread size	M10
Number of cutting edges Z	3
Shank square □	5.5 mm

Thread pitch	1.5 mm
Overall length L	100 mm
Thread type	M
Shank $\varnothing D_s$	7 mm
Thread depth	30 mm
Number of clamping slots	3
Tolerance class	ISO 2X 6HX
Thread $\varnothing$	10 mm
Coating	AlTiX
Flank angle	60°
Thread standard	DIN 13
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
Series	Master Tap
Type of product	Tap

## User data

	Suitability	$V_c$	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		