

**Garant**
**GARANT Master Tap machine tap Form B, ALTiX, M: M30**

**Order data**

Order number	132721 M30
GTIN	4062406208240
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.**

Corresponds to **ISO 2X/6HX**.

Thread type: M

Tool material: HSS E PM

Standard: DIN 376

Tolerance class: ISO 2X 6HX

Thread pitch: 3.5 mm

Overall length L: 180 mm

Shank  $\varnothing$  D<sub>s</sub>: 22 mm

Shank square □: 18 mm

Tapping hole  $\varnothing$ : 26.5 mm

**Technical description**

Thread $\varnothing$	30 mm
Overall length L	180 mm
Number of clamping slots	4
Tool material	HSS E PM
Thread type	M
Thread pitch	3.5 mm

Tapping hole $\varnothing$	26.5 mm
Number of cutting edges Z	4
Shank square $\square$	18 mm
Shank $\varnothing D_s$	22 mm
Thread depth	90 mm
Tolerance class	ISO 2X 6HX
Standard	DIN 376
Thread size	M30
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 <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		