

**Garant**
**GARANT Master Tap machine tap HSS-E-PM, ALTiX, MF: 6,5X0,75**

**Order data**

Order number	137160 6,5X0,75
GTIN	4045197984340
Item class	111

**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.**

Thread type: MF

Tool material: HSS E PM

Standard: DIN 374

Tolerance class: ISO 2X 6HX

Thread pitch: 0.75 mm

Overall length L: 80 mm

Shank  $\varnothing$  D<sub>s</sub>: 5.5 mm

Shank square □: 4.3 mm

Tapping hole  $\varnothing$ : 5.8 mm

**Technical description**

Tapping hole $\varnothing$	5.8 mm
Tolerance class	ISO 2X 6HX
Standard	DIN 374
Number of cutting edges Z	3
Shank square □	4.3 mm
Overall length L	80 mm

Thread depth	16.25 mm
Tool material	HSS E PM
Thread pitch	0.75 mm
Shank $\varnothing D_s$	5.5 mm
Thread $\varnothing$	6.5 mm
Number of clamping slots	3
Thread type	MF
Thread size	M6x0.75
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 2.5xD 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	$V_c$	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		