

# GARANT Master Tap machine tap left-hand thread HSS-E-PM 6HX, AlTiX, M-LH: M10



### **Order data**

Order number	132805 M10
GTIN	4045197900722
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: M-LH Tool material: HSS E PM Standard: DIN 371

Tolerance class: ISO 2X 6HX

Thread pitch: 1.5 mm Overall length L: 100 mm Shank Ø D<sub>s</sub>: 10 mm Shank square □: 8 mm Tapping hole Ø: 8.5 mm

## **Technical description**

Tool material	HSS E PM
Number of cutting edges Z	3
Thread Ø	10 mm
Tolerance class	ISO 2X 6HX
Shank Ø D <sub>s</sub>	10 mm

Thread pitch Thread pitch 1.5 mm Number of clamping slots 3 Overall length L 5hank square □ 8 mm Standard DiN 371 Thread type M-LH Thread size M10 LH Coating AITIX Flank angle 60 ° Thread standard DiN 13 Taper lead form B Shank Plain shank with h9 Through-coolant Application for type of drilling Cutting direction Type of threading tool Amachine tap for dynamic machining Colour ring Series Master Tap Type of product Tape for dynamic machining Tape product Tap	Tapping hole Ø	8.5 mm		
Number of clamping slots       3         Overall length L       100 mm         Shank square □       8 mm         Standard       DIN 371         Thread type       M-LH         Thread size       M10 LH         Coating       AITiX         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       left-hand         Type of threading tool       Machine tap for dynamic machining         Colour ring       green         Series       Master Tap	Thread depth	30 mm		
Overall length L Shank square □ Standard DIN 371 Thread type M-LH Thread size M10 LH Coating AITIX Flank angle Flank angle Thread standard DIN 13 Taper lead form B Shank Plain shank with h9 Through-coolant Application for type of drilling Cutting direction Type of threading tool Colour ring Series Master Tap	Thread pitch	1.5 mm		
Shank square □ 8 mm  Standard DIN 371  Thread type M-LH  Thread size M10 LH  Coating AITIX  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 left-hand  Type of threading tool Machine tap for dynamic machining  Colour ring green  Series Master Tap	Number of clamping slots	3		
Standard DIN 371 Thread type M-LH Thread size M10 LH Coating AITiX 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 left-hand Type of threading tool Machine tap for dynamic machining Colour ring green Series Master Tap	Overall length L	100 mm		
Thread type  M-LH  Thread size  M10 LH  Coating  AITiX  Flank angle  60 °  Thread standard  DIN 13  Taper lead form  B  Shank  Plain shank with h9  Through-coolant  no  Application for type of drilling  Cutting direction  Type of threading tool  Colour ring  Series  Master Tap	Shank square □	8 mm		
Thread size  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  Cutting direction  Type of threading tool  Colour ring  Series  Master Tap	Standard	DIN 371		
Coating  Flank angle  60°  Thread standard  DIN 13  Taper lead form  B  Shank  Plain shank with h9  Through-coolant  no  Application for type of drilling  Cutting direction  Type of threading tool  Colour ring  Series  AlTiX  AlTiX  AlTiX  AlTiX  Machine tap for o  Machine tap for dynamic machining  green  Master Tap	Thread type	M-LH		
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 left-hand  Type of threading tool Machine tap for dynamic machining  Colour ring green  Series Master Tap	Thread size	M10 LH		
Thread standard  Taper lead form  B  Shank  Plain shank with h9  Through-coolant  Application for type of drilling  Cutting direction  Type of threading tool  Colour ring  Series  DIN 13  B  Application shank with h9  Plain shank with h9  up to 3×D for through holes  Left-hand  Machine tap for dynamic machining  green  Master Tap	Coating	AlTiX		
Taper lead form  Shank  Plain shank with h9  Through-coolant  Application for type of drilling  Cutting direction  Type of threading tool  Colour ring  Series  B  Plain shank with h9  no  up to 3×D for through holes  left-hand  Machine tap for dynamic machining  green  Master Tap	Flank angle	60 °		
Shank Plain shank with h9 Through-coolant no Application for type of drilling up to 3×D for through holes Cutting direction left-hand Type of threading tool Machine tap for dynamic machining Colour ring green Series Master Tap	Thread standard	DIN 13		
Through-coolant no  Application for type of drilling up to 3×D for through holes  Cutting direction left-hand  Type of threading tool Machine tap for dynamic machining  Colour ring green  Series Master Tap	Taper lead form	В		
Application for type of drilling up to 3×D for through holes  Cutting direction left-hand  Type of threading tool Machine tap for dynamic machining  Colour ring green  Series Master Tap	Shank	Plain shank with h9		
Cutting direction left-hand  Type of threading tool Machine tap for dynamic machining  Colour ring green  Series Master Tap	Through-coolant	no		
Type of threading tool  Colour ring  Geries  Machine tap for dynamic machining  green  Master Tap	Application for type of drilling	up to 3×D for through holes		
Colour ring green Series Master Tap	Cutting direction	left-hand		
Series Master Tap	Type of threading tool	Machine tap for dynamic machining		
· · · · · · · · · · · · · · · · · · ·	Colour ring	green		
Type of product Tap	Series	Master Tap		
	Type of product	Тар		

## **User data**

	Suitability	<b>V</b> <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	Р

Steel < 750 N/mm <sup>2</sup>	suitable	30 m/min	Р
Steel < 900 N/mm <sup>2</sup>	suitable	25 m/min	Р
Steel < 1100 N/mm <sup>2</sup>	suitable	12 m/min	Р
Steel < 1400 N/mm <sup>2</sup>	suitable	8 m/min	Р
INOX < 900 N/mm <sup>2</sup>	suitable	10 m/min	М
INOX > 900 N/mm <sup>2</sup>	suitable	8 m/min	М
GG(G)	suitable	20 m/min	K
CuZn	suitable	20 m/min	N
Uni	suitable		
Oil	suitable		
wet maximum	suitable		