# Garant

#### GARANT Master Tap machine tap HSS-E-PM Form C, AlTiX, M: M5

#### Order data

Order number	135960 M5
GTIN	4045197900005
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 371 Tolerance class: ISO 2X 6HX Thread pitch: 0.8 mm Overall length L: 70 mm Shank  $\emptyset$  D<sub>s</sub>: 6 mm Shank square  $\Box$ : 4.9 mm Tapping hole  $\emptyset$ : 4.2 mm

#### **Technical description**

Tolerance class	ISO 2X 6HX
Shank square 🗆	4.9 mm
Tapping hole Ø	4.2 mm
Tool material	HSS E PM
Thread Ø	5 mm
Overall length L	70 mm
Number of clamping slots	3

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Thread depth12.5 mmShank Ø D,6 mmStandardDIN 371Thread pitch0.8 mmThread typeMThread sizeMSCoatingAlTIXFlank angle60 degreesThread standardDIN 13Taper lead formCHelix angle40 degreesShankPlain shank with h9Through-coolantnoApplication for type of drillingup to 2.5×D for blind holesCutting directionMachine tap for dynamic machiningColour ringgreenSeriesGARANT Master TapType of productTap	Number of cutting edges Z	3
StandardDIN 371Thread pitch0.8 mmThread type0.8 mmThread sizeMCoatingAlTiXFlank angle60 degreesThread standardOIN 13Taper lead formCHelix angle40 degreesShankPlain shank with h9Through-coolantup to 2.5×D for blind holesApplication for type of drillingup to 2.5×D for blind holesType of threading toolMachine tap for dynamic machiningColour ringGARANT Master Tap	Thread depth	12.5 mm
Thread pitch0.8 mmThread typeMThread sizeM5CoatingAlTiXFlank angle60 degreesThread standardDIN 13Taper lead formCHelix angle40 degreesShankPlain shank with h9Through-coolantup to 2.5×D for blind holesCutting directionright-handType of threading toolMachine tap for dynamic machiningColour ringGARANT Master Tap	Shank Ø D <sub>s</sub>	6 mm
Thread typeMThread sizeM5CoatingAITiXFlank angle60 degreesThread standardDIN 13Taper lead formCHelix angle40 degreesShankPlain shank with h9Through-coolantnoApplication for type of drillingup to 2.5×D for blind holesCutting directionright-handType of threading toolMachine tap for dynamic machiningColour ringGRANT Master Tap	Standard	DIN 371
Thread sizeM5CoatingAlTiXFlank angle60 degreesThread standardDIN 13Taper lead formCHelix angle40 degreesShankPlain shank with h9Through-coolantnoApplication for type of drillingup to 2.5×D for blind holesCutting directionright-handType of threading toolMachine tap for dynamic machiningColour ringGARANT Master Tap	Thread pitch	0.8 mm
CoatingAITiXFlank angle60 degreesFlank angleDIN 13Taper lead formCHelix angle40 degreesShankPlain shank with h9Through-coolantup to 2.5×D for blind holesApplication for type of drillingup to 2.5×D for blind holesCutting directionMachine tap for dynamic machiningType of threading toolgreenSeriesGARANT Master Tap	Thread type	М
Flank angle60 degreesFlank angleDIN 13Taper lead formCHelix angle40 degreesShankPlain shank with h9Through-coolantnoApplication for type of drillingup to 2.5×D for blind holesCutting directionright-handType of threading toolMachine tap for dynamic machiningColour ringGARANT Master Tap	Thread size	M5
Thread standardDIN 13Taper lead formCHelix angle40 degreesShankPlain shank with h9Through-coolantNoApplication for type of drillingup to 2.5×D for blind holesCutting directionright-handType of threading toolMachine tap for dynamic machiningColour ringGARANT Master Tap	Coating	AlTiX
Taper lead formCHelix angle40 degreesShankPlain shank with h9Through-coolantNoApplication for type of drillingup to 2.5×D for blind holesCutting directionright-handType of threading toolMachine tap for dynamic machiningColour ringgreenSeriesGARANT Master Tap	Flank angle	60 degrees
Helix angle40 degreesShankPlain shank with h9Through-coolantnoApplication for type of drillingup to 2.5×D for blind holesCutting directionright-handType of threading toolMachine tap for dynamic machiningColour ringgreenSeriesGARANT Master Tap	Thread standard	DIN 13
ShankPlain shank with h9Through-coolantnoApplication for type of drillingup to 2.5×D for blind holesCutting directionright-handType of threading toolMachine tap for dynamic machiningColour ringgreenSeriesGARANT Master Tap	Taper lead form	C
Through-coolantnoApplication for type of drillingup to 2.5×D for blind holesCutting directionright-handType of threading toolMachine tap for dynamic machiningColour ringgreenSeriesGARANT Master Tap	Helix angle	40 degrees
Application for type of drillingup to 2.5×D for blind holesCutting directionright-handType of threading toolMachine tap for dynamic machiningColour ringgreenSeriesGARANT Master Tap	Shank	Plain shank with h9
Cutting directionright-handType of threading toolMachine tap for dynamic machiningColour ringgreenSeriesGARANT Master Tap	Through-coolant	no
Type of threading tool Machine tap for dynamic machining   Colour ring green   Series GARANT Master Tap	Application for type of drilling	up to 2.5×D for blind holes
Colour ring green   Series GARANT Master Tap	Cutting direction	right-hand
Series GARANT Master Tap	Type of threading tool	Machine tap for dynamic machining
	Colour ring	green
Type of product Tap	Series	GARANT Master Tap
	Type of product	Тар

## Accessories

GARANT Master Tap blind hole machine taps for metric threads M3-12

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