# Garant

## GARANT Master Tap machine tap HSS-E-PM, AlTiX, MF: 14X1,5



#### Order data

Order number	137160 14X1,5
GTIN	4045197900852
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: 1.5 mm Overall length L: 100 mm Shank  $\emptyset$  D<sub>s</sub>: 11 mm Shank square  $\Box$ : 9 mm Tapping hole  $\emptyset$ : 12.5 mm

#### **Technical description**

Thread depth	35 mm
Number of cutting edges Z	3
Shank square 🗆	9 mm
Thread pitch	1.5 mm
Tool material	HSS E PM
Tapping hole Ø	12.5 mm

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Number of clamping slots3Shank Ø D,11 mmThread Ø14 mmStandardDIN 374StandardISO 2X 6HXTolerance classISO 2X 6HXThread typeMFThread sizeM14×1.5Coating60 degreesThread standardBOIN 13Flank 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 TapType of productTap	Overall length L	100 mm
Thread Ø14 mmStandardDIN 374StandardDIN 374Tolerance classISO 2X 6HXThread typeMFThread sizeM14×1.5CoatingAlTiXFlank angle60 degreesThread standardDIN 13Taper lead formCHelix angle40 degreesShankPlain shank with h9Through-coolantnoApplication for type of drillingup to 2.5×D for blind holesType of threading toolMachine tap for dynamic machiningColour ringgreenSeriesGARANT Master Tap	Number of clamping slots	3
StandardDIN 374StandardDIN 374Tolerance classISO 2X 6HXThread typeMFThread sizeM14×1.5CoatingAlTiXFlank 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	Shank Ø D <sub>s</sub>	11 mm
Tolerance classISO 2X 6HXThread typeMFThread sizeM14×1.5CoatingAlTiXFlank 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	Thread Ø	14 mm
Thread typeMFThread sizeM14×1.5CoatingAlTiXFlank angle60 degreesThread standardDIN 13Taper lead formCHelix angle40 degreesShankPlain shank with h9Through-coolantnoApplication for type of drillingup to 2.5×D for blind holesType of threading toolright-handCutting directiongreenSeriesGARANT Master Tap	Standard	DIN 374
Thread sizeM14×1.5CoatingAlTiXFlank angle60 degreesThread standardDIN 13Taper lead formCHelix angle40 degreesShankPlain shank with h9Through-coolantnoApplication for type of drillingup to 2.5×D for blind holesType of threading toolright-handColour ringgreenSeriesGARANT Master Tap	Tolerance class	ISO 2X 6HX
CoatingAITIXFlank angle60 degreesThread standardDIN 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 machiningColour ringGARANT Master Tap	Thread type	MF
Flank angle60 degreesFlank angleDIN 13Taper lead formCHelix angle40 degreesShankPlain shank with h9Through-coolantnoApplication for type of drillingup to 2.5×D for blind holesCutting directionMachine tap for dynamic machiningType of threading toolgreenSeriesGARANT Master Tap	Thread size	M14×1.5
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 ringGARANT 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 toolMachine tap for dynamic machiningColour ringgreenSeriesGARANT 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