Garant

GARANT Master Tap machine tap HSS-E-PM, AlTiX, MF: 12X1



Order data

Order number	137160 12X1
GTIN	4045197900821
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 mm Overall length L: 100 mm Shank \emptyset D_s: 9 mm Shank square \Box : 7 mm Tapping hole \emptyset : 11 mm

Technical description

Shank square 🗆	7 mm
Tapping hole Ø	11 mm
Tool material	HSS E PM
Overall length L	100 mm
Shank Ø D _s	9 mm
Thread pitch	1 mm

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StandardDIN 374Number of cutting edges Z3Tolerance classISO 2X 6HXThread depth30 mmNumber of clamping slots3Thread typeMFThread sizeM12×1Coating60 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	Thread Ø	12 mm
Tolerance classISO 2X 6HXThread depth30 mmNumber of clamping slots3Thread typeMFThread sizeM12×1CoatingAlTiXFlank 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	Standard	DIN 374
Thread depth30 mmNumber of clamping slots3Thread typeMFThread sizeM12×1CoatingAlTiXFlank 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	Number of cutting edges Z	3
Number of clamping slots3Thread typeMFThread sizeM12×1CoatingAlTiXFlank 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	Tolerance class	ISO 2X 6HX
Thread typeMFThread sizeM12×1CoatingAlTiXFlank 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 ringgreenSeriesGARANT Master Tap	Thread depth	30 mm
Thread sizeM12×1CoatingAlTiXFlank 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	Number of clamping slots	3
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 ringgreenSeriesGARANT 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 directionright-handType of threading toolMachine tap for dynamic machiningColour ringGARANT Master Tap	Thread size	M12×1
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 ringgreenSeriesGARANT 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 degreesHelix 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 ringgreenSeriesGARANT 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