# Garant

### Fluteless machine tap with oil grooves HSS-E-PM, TiN, M: 12X1



#### **Order data**

Order number	139260 12X1
GTIN	4045197509482
Item class	11H

## Description

#### Version:

**DIN 2174** ( $\approx$  DIN 374). With oil grooves; optimum lubrication effect even in deeper threads. The innovative polygon form permits a wide application spectrum. The multi-function layer structure achieves maximum service life even in high-tensile materials.

Tolerance class: ISO 2X 6HX Thread pitch: 1 mm Overall length L: 100 mm Shank  $\emptyset$  D<sub>s</sub>: 9 mm Shank square  $\Box$ : 7 mm Tapping hole  $\emptyset$  with guide value: 11.55 mm

# **Technical description**

Number of clamping slots	6
Number of cutting edges Z	б
Thread Ø	12 mm
Shank Ø D <sub>s</sub>	9 mm
Shank square 🗆	7 mm
Overall length L	100 mm
Tapping hole $\varnothing$ with guide value	11.55 mm
Thread depth	36 mm
Thread pitch	1 mm

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Thread sizeM12×1CoatingTiNThread typeMFFlank angle60 degreesTool materialHSS E PMStandardDIN 2174Thread standardDIN 13Taper lead formCShankPlain shank with h9Through-coolantnoApplication for type of drillingup to 3×D for blind holes and through holesCutting directionright-handCutting directionJuleType of productFluteless tap	Tolerance class	ISO 2X 6HX
Thread typeMFFlank angle60 degreesTool materialHSS E PMStandardDIN 2174Thread standardDIN 13Taper lead formCShankPlain shank with h9Through-coolantnoApplication for type of drillingup to 3×D for blind holes and through holesCutting directionright-handColour ringblue	Thread size	M12×1
Flank angle60 degreesTool materialHSS E PMStandardDIN 2174Thread standardDIN 13Taper lead formCShankPlain shank with h9Through-coolantnoApplication for type of drillingup to 3×D for blind holes and through holesCutting directionright-handColour ringblue	Coating	TiN
Tool materialHSS E PMStandardDIN 2174StandardDIN 13Taper lead formCShankPlain shank with h9Through-coolantnoApplication for type of drillingup to 3×D for blind holes and through holesCutting directionright-handColour ringblue	Thread type	MF
StandardDIN 2174Thread standardDIN 13Taper lead formCShankPlain shank with h9Through-coolantnoApplication for type of drillingup to 3×D for blind holes and through holesCutting directionright-handColour ringblue	Flank angle	60 degrees
Thread standardDIN 13Taper lead formCShankPlain shank with h9Through-coolantnoApplication for type of drillingup to 3×D for blind holes and through holesCutting directionright-handColour ringblue	Tool material	HSS E PM
Taper lead formCShankPlain shank with h9Through-coolantnoApplication for type of drillingup to 3×D for blind holes and through holesCutting directionright-handColour ringblue	Standard	DIN 2174
ShankPlain shank with h9Through-coolantnoApplication for type of drillingup to 3×D for blind holes and through holesCutting directionright-handColour ringblue	Thread standard	DIN 13
Through-coolantnoApplication for type of drillingup to 3×D for blind holes and through holesCutting directionright-handColour ringblue	Taper lead form	C
Application for type of drillingup to 3×D for blind holes and through holesCutting directionright-handColour ringblue	Shank	Plain shank with h9
Application for type of drilling holes and through holes   Cutting direction right-hand   Colour ring blue	Through-coolant	no
Colour ring blue	Application for type of drilling	
5	Cutting direction	right-hand
Type of product Fluteless tap	Colour ring	blue
	Type of product	Fluteless tap