

Garant
GARANT Master Tap machine tap HSS-E-PM, ALTiX, MF: 13X1

Order data

Order number	137160 13X1
GTIN	4062406265687
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 $\varnothing D_s$: 11 mm

Shank square \square : 9 mm

Tapping hole \varnothing : 12 mm

Technical description

Shank square \square	9 mm
Tapping hole \varnothing	12 mm
Number of clamping slots	3
Tool material	HSS E PM
Thread size	M13x1
Standard	DIN 374

Number of cutting edges Z	3
Thread Ø	13 mm
Overall length L	100 mm
Thread depth	32.5 mm
Shank Ø D _s	11 mm
Thread pitch	1 mm
Tolerance class	ISO 2X 6HX
Thread type	MF
Coating	AlTiX
Flank angle	60 degrees
Thread standard	DIN 13
Taper lead form	C
Helix angle	40 degrees
Shank	Plain shank with h9
Through-coolant	no
Application for type of drilling	up to 2.5×D for blind holes
Cutting direction	right-hand
Type of threading tool	Machine tap for dynamic machining
Colour ring	green
Series	GARANT Master Tap
Type of product	Tap