

Garant

GARANT Master Tap INOX machine tap HSS-E-PM, TiAlN, MF: 30X1,5



Order data

Order number	137053 30X1,5
GTIN	4062406081843
Item class	111

Description

Version:

GARANT Master Tap INOX:

High-performance tap, specially developed for **good process reliability in stainless and acid-resistant steels** and **duplex materials**.

The 45° helix angle of the flutes facilitates chip formation especially in ductile austenitic CrNi steels.

- **HSS-E-PM tool material for a high degree of wear resistance**
- **The latest generation of TiAlN multi-layer coating**
- **Parameterised flute geometry for optimum chip formation and torsional rigidity**

Thread type: MF

Tool material: HSS E PM

Standard: DIN 374

Tolerance class: ISO 2X 6HX

Thread pitch: 1.5 mm

Overall length L: 150 mm

Shank Ø D_s: 22 mm

Shank square □: 18 mm

Tapping hole Ø: 28.5 mm

Technical description

Thread type	MF
Overall length L	150 mm
Thread pitch	1.5 mm
Standard	DIN 374

Thread Ø	30 mm
Shank square □	18 mm
Number of cutting edges Z	5
Tolerance class	ISO 2X 6HX
Shank Ø D _s	22 mm
Tapping hole Ø	28.5 mm
Thread depth	75 mm
Number of clamping slots	5
Tool material	HSS E PM
Thread size	M30×1.5
Coating	TiAlN
Flank angle	60°
Thread standard	DIN 13
Taper lead form	C
Helix angle	45°
Shank	Plain shank with h9
Through-coolant	no
Application for type of drilling	up to 3×D for through holes
Cutting direction	right-hand
Type of threading tool	Machine tap for dynamic machining
Colour ring	blue
Series	Master Tap
Type of product	Tap

User data

	Suitability	V _c	ISO code
Aluminium (short chipping)	suitable only under restricted conditions	28 m/min	N

Steel < 750 N/mm ²	suitable only under restricted conditions	23 m/min	P
Steel < 900 N/mm ²	suitable only under restricted conditions	23 m/min	P
Steel < 1100 N/mm ²	suitable	12 m/min	P
INOX < 900 N/mm ²	suitable	11 m/min	M
INOX > 900 N/mm ²	suitable	9 m/min	M
Oil	suitable		
wet maximum	suitable		