Hoffmann Group

GARANT Master Tap INOX machine tap HSS-E-PM Form C, TiAlN, G: G1/4

Order data

Order number	137750 G1/4
GTIN	4062406081850
Item class	11I

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 chip flutes facilitates chip formation especially in ductile austenitic CrNi steels.
· **HSS-E-PM tool material for maximum wear resistance**
· **The latest generation of TiALN multi-layer coating**
· **Parameterised flute geometry for optimum chip formation and torsional rigidity**
Application:
For Whitworth parallel pipe threads DIN-ISO 228/1 (threads that do not form a seal within the connection).
Tool material: HSS E PM
Threads per inch: 19
Thread Ø: 13.16 mm
Overall length L: 100 mm
Shank Ø D_s: 11 mm
Shank square □: 9 mm
Tapping hole Ø: 11.8 mm

Technical description

Overall length L	100 mm
Thread depth	32.9 mm
Thread Ø	13.16 mm

Number of cutting edges Z	4
Shank square □	9 mm
Thread pitch	1.337 mm
Threads per inch	19
Tapping hole Ø	11.8 mm
Shank Ø D_s	11 mm
Number of clamping slots	4
Tool material	HSS E PM
Thread size	G1/4
Series	Master Tap
Coating	TiAlN
Thread type	G
Flank angle	55 °
Standard	DIN 5156
Taper lead form	C
Helix angle	45 °
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	blue
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/mm²	suitable only under restricted conditions	23 m/min	P
Steel < 900 N/mm²	suitable only under restricted conditions	23 m/min	P
Steel < 1100 N/mm²	suitable	12 m/min	P
INOX < 900 N/mm²	suitable	11 m/min	M
INOX > 900 N/mm²	suitable	9 m/min	M
Oil	suitable		
wet maximum	suitable		