

Garant
GARANT Master Tap INOX machine tap HSS-E-PM Form E, TiAlN, G: G3/8

Order data

Order number	137752 G3/8
GTIN	4062406210311
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**

Form E (1.5-2 turns lead chamfer).

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: 16.66 mm

Overall length L: 100 mm

Shank Ø D_s: 12 mm

Shank square □: 9 mm

Tapping hole Ø: 15.25 mm

Technical description

Number of cutting edges Z	4
Shank square □	9 mm

Threads per inch	19
Tool material	HSS E PM
Tapping hole Ø	15.25 mm
Thread depth	41.65 mm
Thread Ø	16.66 mm
Thread pitch	1.337 mm
Overall length L	100 mm
Number of clamping slots	4
Shank Ø D _s	12 mm
Thread size	G3/8
Series	Master Tap
Coating	TiAlN
Thread type	G
Flank angle	55 °
Standard	DIN 5156
Taper lead form	E
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/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		