Garant

GARANT Master Tap INOX machine tap HSS-E-PM Form C 6GX, TiAlN, M: M5

Order data

Order number	135737 M5
GTIN	4062406209810
Item class	11l

Description

Version:
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**
Tolerance class ISO 3X/6GX. For components which are **galvanised** or shrink slightly when hardened.
Thread type: M
Tool material: HSS E PM
Standard: DIN 371
Tolerance class: ISO 3X 6GX
Thread pitch: 0.8 mm
Overall length L: 70 mm
Shank ∅ D_s: 6 mm
Shank square ☐: 4.9 mm
Tapping hole ∅: 4.2 mm

Technical description

Thread pitch	0.8 mm
Thread ∅	5 mm
Tolerance class	ISO 3X 6GX
Tapping hole ∅	4.2 mm

Thread size	M5
Shank ⌀ D_s	6 mm
Overall length L	70 mm
Tool material	HSS E PM
Standard	DIN 371
Thread type	M
Shank square ☐	4.9 mm
Thread depth	12.5 mm
Number of cutting edges Z	3
Number of clamping slots	3
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 2.5×D for blind 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/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		