Garant

GARANT Master Tap machine tap HSS-E-PM Form C 6GX, AlTiX, M: M10

Order data

Order number	136158 M10
GTIN	4045197900142
Item class	11l

Description

Version:
Universal taps, designed for use in a wide spectrum of materials with high process reliability.
· **HSS-E-PM tool material for a high degree of wear resistance.**
· **Reduced coefficient of friction due to the new high-performance coating.**
· **Special geometry for optimum swarf evacuation.**
Tolerance class: ISO 3X/6GX
Application:
For components which are galvanised or shrink slightly when hardened.
Recommendation:
We recommend increasing the size of the tapping hole ∅ by the tolerance allowance.
Thread type: M
Tool material: HSS E PM
Standard: DIN 371
Tolerance class: ISO 3X 6GX
Thread pitch: 1.5 mm
Overall length L: 100 mm
Shank ∅ D_s: 10 mm
Shank square □: 8 mm
Tapping hole ∅: 8.5 mm

Technical description

Thread ∅	10 mm
Tapping hole ∅	8.5 mm
Thread depth	25 mm
Shank ∅ D_s	10 mm

Number of clamping slots	3
Overall length L	100 mm
Tolerance class	ISO 3X 6GX
Shank square ☐	8 mm
Standard	DIN 371
Number of cutting edges Z	3
Thread pitch	1.5 mm
Tool material	HSS E PM
Thread type	M
Thread size	M10
Coating	AlTiX
Flank angle	60 °
Thread standard	DIN 13
Taper lead form	C
Helix angle	40 °
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	Master Tap
Type of product	Tap

User data

	Suitability	V_c	ISO code
Alu plastics	suitable	30 m/min	N
Aluminium (short chipping)	suitable	35 m/min	N

Alu > 10% Si	suitable	20 m/min	N
Steel < 500 N/mm²	suitable	30 m/min	P
Steel < 750 N/mm²	suitable	30 m/min	P
Steel < 900 N/mm²	suitable	25 m/min	P
Steel < 1100 N/mm²	suitable	12 m/min	P
Steel < 1400 N/mm²	suitable	8 m/min	P
INOX < 900 N/mm²	suitable	10 m/min	M
INOX > 900 N/mm²	suitable	8 m/min	M
GG(G)	suitable	20 m/min	K
CuZn	suitable	20 m/min	N
Uni	suitable		
Oil	suitable		
wet maximum	suitable		