Garant

GARANT Master Tap machine tap HSS-E-PM extra long Form B 6HX DIN 376, AlTiX, M: M6

Order data

Order number	132738 M6
GTIN	4062406719036
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.**
All sizes with shank to DIN 376 (= **shank ∅ tapered**). Therefore suitable for greater operating depths.
Advantage:
Designed for tapping threads where access is difficult.
Thread type: M
Tool material: HSS E PM
Standard: Manufacturer's standard
Tolerance class: ISO 2X 6HX
Thread pitch: 1 mm
Overall length L: 160 mm
Shank ∅ D_s: 4.5 mm
Shank square □: 3.4 mm
Tapping hole ∅: 5 mm

Technical description

Thread ∅	6 mm
Tolerance class	ISO 2X 6HX
Thread type	M
Thread size	M6

Shank square ☐	3.4 mm
Tapping hole ⌀	5 mm
Thread pitch	1 mm
Number of cutting edges Z	3
Overall length L	160 mm
Standard	Manufacturer's standard
Shank ⌀ D_s	4.5 mm
Tool material	HSS E PM
Thread depth	18 mm
Number of clamping slots	3
Coating	AlTiX
Flank angle	60 °
Thread standard	DIN 13
Taper lead form	B
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	green
Series	Master Tap
Type of product	Tap

User data

	Suitability	V_c	ISO code
Alu plastics	suitable	24 m/min	N
Aluminium (short chipping)	suitable	28 m/min	N
Alu > 10% Si	suitable	16 m/min	N

Steel < 500 N/mm²	suitable	24 m/min	P
Steel < 750 N/mm²	suitable	24 m/min	P
Steel < 900 N/mm²	suitable	20 m/min	P
Steel < 1100 N/mm²	suitable	10 m/min	P
Steel < 1400 N/mm²	suitable	6 m/min	P
INOX < 900 N/mm²	suitable	8 m/min	M
INOX > 900 N/mm²	suitable	6 m/min	M
GG(G)	suitable	16 m/min	K
CuZn	suitable	16 m/min	N
Uni	suitable		
Oil	suitable		
wet maximum	suitable		