

Garant
GARANT Master Tap machine tap HSS-E-PM, ALTiX, UNF: 6-40

Order data

Order number	138010 6-40
GTIN	4062406209254
Item class	111

Description
Version:

GARANT Master Tap Universal tap, designed for use in a wide spectrum of materials with high process reliability.

- **HSS-E-PM tool material for maximum wear resistance.**
- **Reduced coefficient of friction due to the new high-performance coating.**
- **Special geometry for optimum swarf evacuation.**

Application:

For UNF uniform fine threads ASME – B1.1.

Thread type: UNF

Tool material: HSS E PM

Standard: DIN 371

Threads per inch: 40

Thread Ø: 3.51 mm

Overall length L: 56 mm

Shank Ø D_s: 4 mm

Shank square □: 3 mm

Tapping hole Ø: 2.95 mm

Technical description

Shank Ø D _s	4 mm
Thread type	UNF
Thread depth	27.78 mm
Thread pitch	0.635 mm
Thread size	6-40 UNF

Tool material	HSS E PM
Thread Ø	3.51 mm
Overall length L	56 mm
Number of clamping slots	3
Shank square □	3 mm
Number of cutting edges Z	3
Tapping hole Ø	2.95 mm
Standard	DIN 371
Threads per inch	40
Series	Master Tap
Coating	AlTiX
Flank angle	60°
Tolerance class	2BX
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
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/mm ²	suitable	30 m/min	P
Steel < 750 N/mm ²	suitable	30 m/min	P
Steel < 900 N/mm ²	suitable	25 m/min	P
Steel < 1100 N/mm ²	suitable	12 m/min	P
Steel < 1400 N/mm ²	suitable	8 m/min	P
INOX < 900 N/mm ²	suitable	10 m/min	M
INOX > 900 N/mm ²	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		