

Garant

GARANT Master Tap machine tap for wire thread inserts HSS-E-PM, AlTiX, EG-M: EG-M4



Order data

Order number	138210 EG-M4
GTIN	4062406208882
Item class	111

Description

Version:

Tap to DIN 40435 (similar to DIN 371 / DIN 376).

GARANT Master Tap Universal taps, 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 production of AC mounting thread to metric ISO threads **DIN 8140** for **STI** (Screw Thread Insert) wire thread inserts.

Note:

Please ensure without fail the correct **tapping drill Ø (see table)!**

Tool material: HSS E PM

Standard: DIN 40435

Tolerance class: 6HX mod.

Thread pitch: 0.7 mm

Overall length L: 70 mm

Shank Ø D_s: 6 mm

Shank square □: 4.9 mm

Tapping hole Ø: 4.2 mm

Technical description

Thread pitch	0.7 mm
Standard	DIN 40435

Thread Ø	4 mm
Number of clamping slots	3
Tapping hole Ø	4.2 mm
Number of cutting edges Z	3
Shank Ø D _s	6 mm
Thread depth	10 mm
Tolerance class	6HX mod.
Overall length L	70 mm
Tool material	HSS E PM
Thread size	M4
Shank square □	4.9 mm
Coating	AlTiX
Thread type	EG-M
Flank angle	60°
Taper lead form	E
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/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		