

**Garant**
**GARANT Master Tap Alu machine tap for wire thread inserts, DLC, EG-M: EG-M3**

**Order data**

Order number	133555 EG-M3
GTIN	4067263830245
Item class	111

**Description**
**Version:**

**High-performance tap**, specially developed for **aluminium and non-ferrous alloys**. **Extra-long flutes** and neck length for usable **thread depths up to 4xD**.

- **HSS-E-PM tool material for high cutting edge stability.**
- **Ultra-smooth DLC coating for wear resistance and avoidance of edge build-up.**
- **Extra-long flute geometry.**

**Application:**

For production of EG mounting thread according to metric ISO thread **DIN 8140** for **STI wire thread inserts** (Screw Thread Insert).

**Note:**

Please be sure to observe the correct **tapping hole Ø (see table)**!

**Technical description**

Thread pitch	0.5 mm
Tolerance class	6HX mod.
Thread Ø	3 mm
Shank square □	3.4 mm
Shank Ø D <sub>s</sub>	4.5 mm
Tapping hole Ø	3.15 mm
Standard	Works standard
Thread depth	12 mm

Overall length L	63 mm
Number of cutting edges Z	3
Number of clamping slots	3
Tool material	HSS E PM
Coating	DLC
Thread type	EG-M
Flank angle	60 degrees
Taper lead form	B
Shank	Plain shank with h9
Through-coolant	no
Application for type of drilling	up to 4xD for through holes
Cutting direction	right-hand
Type of threading tool	Machine tap for dynamic machining
Colour ring	yellow
Series	Master Tap
Type of product	Taps

## User data

	Suitability	V <sub>c</sub>	ISO code
Aluminium	suitable	35 m/min	N
Aluminium (short chipping)	suitable	32 m/min	N
Alu > 10% Si	suitable	20 m/min	N
PMMA acrylic	suitable only under restricted conditions	20 m/min	N
PA 66	suitable only under restricted conditions	18 m/min	N
PEEK	suitable	18 m/min	N
Cu	suitable	18 m/min	N
CuZn	suitable	25 m/min	N

Oil	suitable
wet maximum	suitable
wet minimum	suitable