

Garant
GARANT Master Tap Alu machine tap for wire thread inserts, DLC, EG-M: EG-M12

Order data

Order number	133555 EG-M12
GTIN	4067263830306
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

Number of cutting edges Z	3
Standard	Works standard
Thread pitch	1.75 mm
Overall length L	125 mm
Tool material	HSS E PM
Number of clamping slots	3
Shank square □	9 mm
Thread depth	48 mm

Shank $\varnothing D_s$	11 mm
Tolerance class	6HX mod.
Tapping hole \varnothing	12.5 mm
Thread \varnothing	12 mm
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_c	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