

Overall length	Thread length	Thread + Neck length	Shank length	Shank dia.	Size of square	Length of square
L	ℓ	ℓn	ℓs	Ds	K	ℓk

- ① Spiral Fluted Taps (for blind hole)
- ② Spiral Fluted Taps (for through hole)
- ③ Spiral Pointed Taps (for through hole)
- ④ Hand Taps
- ⑤ Cemented Carbide Taps
- ⑥ Roll Taps
- ⑦ Special Thread Taps (Simple inspection tools)
- ⑧ Pipe Taps
- ⑨ Thread Mills (Premium Thread Mills)
- ⑩ Dies
- ⑪ Center Drills (Centering Tools)
- ⑫ Precision Machinery/ Medical Surgical Instruments



MG-HT

Hand Taps with Short Chamfer for Magnesium Alloy Castings



Specification



Tapping Speeds depending on Materials

Aluminum alloy castings アルミ合金鋳物	Magnesium alloy die castings マグネシウム合金鋳物	Zinc alloy castings 亜鉛合金鋳物
5~15 (m/min)	5~15 (m/min)	5~15 (m/min)

Product Features

- The number of threads in the cutting chamfer is 1 thread or less. It is ideal for threading holes that require the full thread length to be as close to the bottom of the hole as possible.
- The flute shape is ideally suitable for tapping magnesium alloy and aluminum die casting.
- Coating is available on request.

Tapping Data

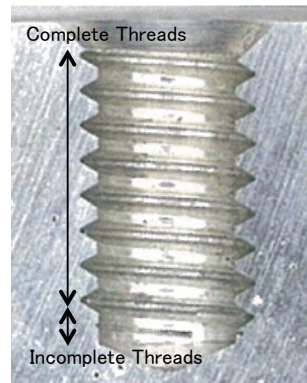
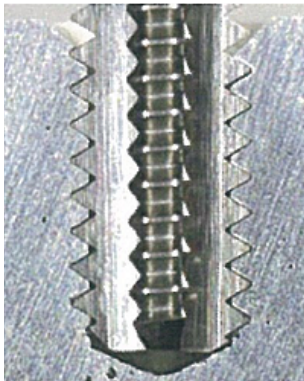
Tapping Conditions [M2.5×0.45]

Part Name	PC parts
Workpiece Material	Magnesium alloy
Bored Hole Shape	Blind hole
Bored Hole Length	4.5mm
Tapping Length	4.0mm
Machinery Type	CNC tapping machine
Processing Direction	Vertical machining
Feed	Synchronous feed
Tapping Speed	20m/min
Cutting Fluid	Water soluble cutting fluid
Number of Holes Processed	10,000 holes

Tapping Conditions [M2×0.4]

Part Name	PC parts
Workpiece Material	Magnesium alloy
Bored Hole Shape	Blind hole
Bored Hole Length	3.0mm
Tapping Length	2.5mm
Machinery Type	CNC tapping machine
Processing Direction	Vertical machining
Feed	Synchronous feed
Tapping Speed	15m/min
Cutting fluid	Water soluble cutting fluid
Number of Holes Processed	10,000 holes

Internal thread situation



Access to the introduction by Manga.



* In magnesium alloy processing there is a risk of the chips catching on fire. Be sure to take all measures against fire prevention.

Overall length	Thread length	Thread + Neck length	Shank length	Shank dia.	Size of square	Length of square
L	ℓ	ℓ _n	ℓ _s	D _s	K	ℓ _k

Spiral Fluted Taps
(for blind hole) ①

Spiral Fluted Taps
(for through hole) ②

Spiral Pointed Taps
(for through hole) ③

Hand Taps ④

Cemented Carbide Taps ⑤

Roll Taps ⑥

Special Thread Taps
Simple Inspection Tools ⑦

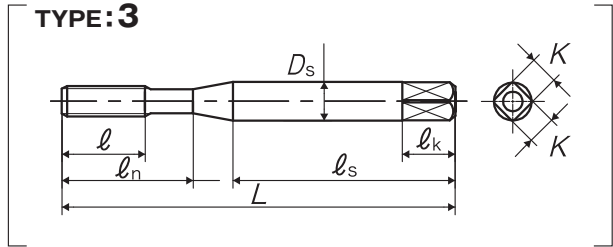
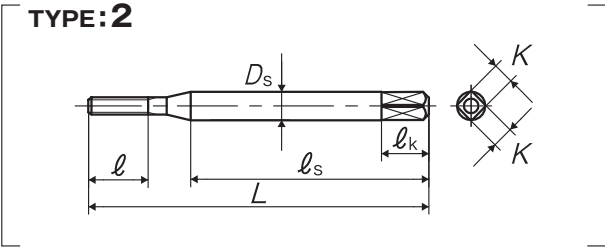
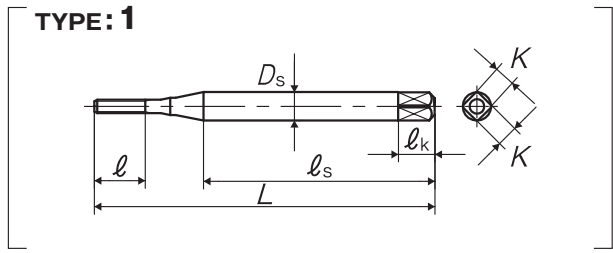
Pipe Taps ⑧

Thread Mills
Premium Thread Mills ⑨

Dies ⑩

Center Drills
Centering Tools ⑪

Precision Machinery/
Metal/Surgical Instruments ⑫



Segment : 1A

Size	Class	Code	Chamfer	L (mm)	ℓ (mm)	ℓ _n (mm)	ℓ _s (mm)	D _s (mm)	K (mm)	ℓ _k (mm)	No. of flutes	TYPE	MSRP
For Metric Threads													
M1.4 × 0.3	P2	TMGMQ1.4C1	1P	36	5.4	-	24	3	2.5	5	3	1	¥ 3,770 ※
M1.6 × 0.35	P2	TMGMQ1.6D1	1P	36	6.3	-	24	3	2.5	5	3	2	¥ 3,610 ※
M1.7 × 0.35	P2	TMGMQ1.7D1	1P	36	6.3	-	24	3	2.5	5	3	2	¥ 3,610 ※
M2 × 0.4	P2	TMGMQ2.0E1	1P	42	7.2	12	27	3	2.5	5	3	3	¥ 2,890 ※
M2.5 × 0.45	P2	TMGMQ2.5F1	1P	46	8.1	14	29	3	2.5	5	3	3	¥ 2,220 ※
M2.6 × 0.45	P2	TMGMQ2.6F1	1P	46	8.1	14	29	3	2.5	5	3	3	¥ 2,220 ※
M3 × 0.5	P2	TMGMQ3.0G1	1P	46	9	14	26	4	3.2	6	3	3	¥ 1,560 ※