

# ③ Spiral Pointed Tap Series for through hole

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



## AL-PO

### Spiral Pointed Taps for Aluminum

#### Specification

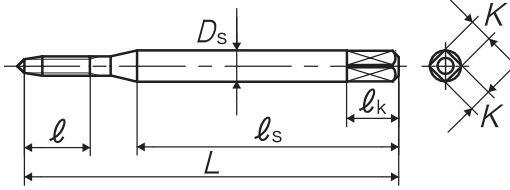


■ In tapping of aluminum die casting and aluminum casting, AL-PO solves chip jamming and chip clogging trouble, and eliminates torn threads.

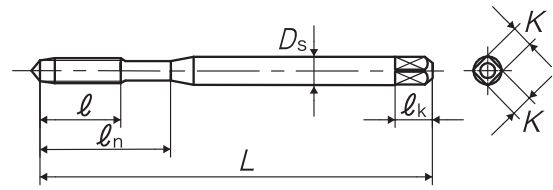
#### Tapping Speed depending on Materials

Brass 黄銅	Brass castings 黄銅鑄物	Bronze 青銅	Wrought aluminum アルミ圧延材	Aluminum alloy castings アルミ合金鑄物	Magnesium alloy die castings マグネシウム合金鑄物	Zinc alloy castings 亜鉛合金鑄物
5~15 (m/min)	5~15 (m/min)	5~15 (m/min)	5~15 (m/min)	5~15 (m/min)	5~15 (m/min)	5~15 (m/min)

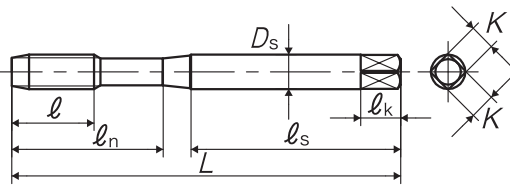
TYPE: 1



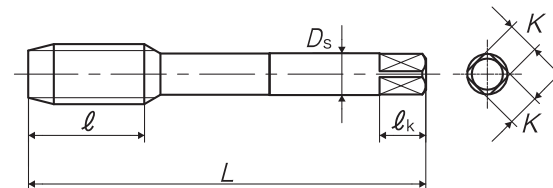
TYPE: 2



TYPE: 3



TYPE: 4



Segment: 1F

Size	Class	Code	Chamfer	L (inch)	ℓ (inch)	ℓn (inch)	Ds (inch)	K (inch)	ℓk (inch)	No. of flutes	TYPE
For Metric Threads											
M3 × 0.5	D3	386228M	5P	2.205	0.433	0.736	0.141	0.11	0.187	3	2
M3.5 × 0.6	D4	386229M	5P	2.205	0.433	0.748	0.141	0.11	0.187	3	2
M4 × 0.7	D4	386230M	5P	2.48	0.512	0.815	0.168	0.131	0.25	3	2
M5 × 0.8	D4	386231M	5P	2.756	0.551	0.984	0.194	0.152	0.25	3	2
M6 × 1	D5	386232M	5P	3.15	0.591	1.181	0.255	0.191	0.312	3	2
M7 × 1	D5	386233M	5P	3.543	0.748	1.339	0.318	0.238	0.375	3	3
M8 × 1.25	D5	386235M	5P	3.543	0.748	1.378	0.318	0.238	0.375	3	3
M8 × 1	D5	386234M	5P	3.543	0.748	1.378	0.318	0.238	0.375	3	3
M10 × 1.5	D6	386237M	5P	3.937	0.906	1.535	0.381	0.286	0.437	3	3
M10 × 1.25	D5	386236M	5P	3.937	0.906	1.535	0.381	0.286	0.437	3	3
M12 × 1.75	D6	386240M	5P	4.331	1.024	-	0.367	0.275	0.437	3	4
M12 × 1.5	D5	386239M	5P	4.331	1.024	-	0.367	0.275	0.437	3	4
M12 × 1.25	D5	386238M	5P	4.331	1.024	-	0.367	0.275	0.437	3	4
For Unified Threads											
No.2-56UNC	GH2	386200M	5P	1.772	0.314	-	0.141	0.11	0.187	2	1
No.4-40UNC	GH2	386201M	5P	2.205	0.354	0.709	0.141	0.11	0.187	2	2
No.5-40UNC	GH2	386202M	5P	2.205	0.433	0.736	0.141	0.11	0.187	3	2

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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

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This product is different from JIS products in shape and dimensions, please be careful when using.

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

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Size	Class	Code	Chamfer	L (inch)	ℓ (inch)	ℓn (inch)	Ds (inch)	K (inch)	ℓk (inch)	No. of flutes	TYPE
No.6-32UNC	GH3	386203M	5P	2.205	0.433	0.748	0.141	0.11	0.187	3	2
No.8-32UNC	GH3	386204M	5P	2.48	0.512	0.827	0.168	0.131	0.25	3	2
No.10-24UNC	GH3	386205M	5P	2.756	0.551	0.945	0.194	0.152	0.25	3	2
No.10-32UNF	GH3	386206M	5P	2.756	0.551	0.945	0.194	0.152	0.25	3	2
1/4-20UNC	GH3	386207M	5P	3.15	0.591	1.181	0.255	0.191	0.312	3	2
1/4-20UNC	GH5	386208M	5P	3.15	0.591	1.181	0.255	0.191	0.312	3	2
1/4-28UNF	GH3	386209M	5P	3.15	0.591	1.181	0.255	0.191	0.312	3	2
1/4-28UNF	GH4	386211M	5P	3.15	0.591	1.181	0.255	0.191	0.312	3	2
5/16-18UNC	GH3	386212M	5P	3.543	0.748	1.378	0.318	0.238	0.375	3	3
5/16-18UNC	GH5	386213M	5P	3.543	0.748	1.378	0.318	0.238	0.375	3	3
5/16-24UNF	GH3	386214M	5P	3.543	0.748	1.378	0.318	0.238	0.375	3	3
5/16-24UNF	GH4	386215M	5P	3.543	0.748	1.378	0.318	0.238	0.375	3	3
3/8-16UNC	GH3	386216M	5P	3.937	0.906	1.535	0.381	0.286	0.437	3	3
3/8-16UNC	GH5	386217M	5P	3.937	0.906	1.535	0.381	0.286	0.437	3	3
3/8-24UNF	GH3	386218M	5P	3.937	0.906	1.535	0.381	0.286	0.437	3	3
3/8-24UNF	GH4	386219M	5P	3.937	0.906	1.535	0.381	0.286	0.437	3	3
7/16-14UNC	GH3	386220M	5P	3.937	0.906	-	0.323	0.242	0.406	3	4
7/16-14UNC	GH5	386221M	5P	3.937	0.906	-	0.323	0.242	0.406	3	4
7/16-20UNF	GH3	386222M	5P	3.937	0.906	-	0.323	0.242	0.406	3	4
7/16-20UNF	GH5	386223M	5P	3.937	0.906	-	0.323	0.242	0.406	3	4
1/2-13UNC	GH3	386224M	5P	4.331	1.024	-	0.367	0.275	0.437	3	4
1/2-13UNC	GH5	386225M	5P	4.331	1.024	-	0.367	0.275	0.437	3	4
1/2-20UNF	GH3	386226M	5P	4.331	1.024	-	0.367	0.275	0.437	3	4
1/2-20UNF	GH5	386227M	5P	4.331	1.024	-	0.367	0.275	0.437	3	4

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

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