

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

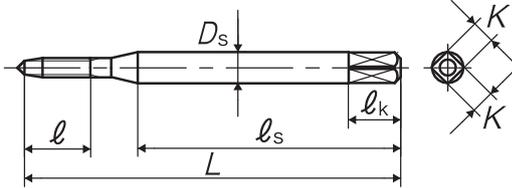


■ In tapping of aluminum die casting and aluminum casting, AL-PO solves chip jamming and chip clogging trouble, and eliminates torn threads.

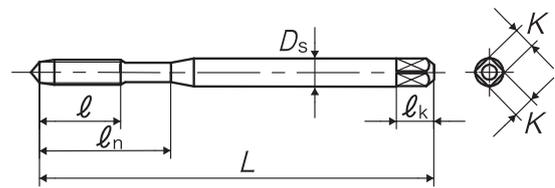
Tapping Speed depending on Materials

| | | | | | | |
|-----------------|------------------------|-----------------|----------------------------|------------------------------------|--|-------------------------------|
| 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) |

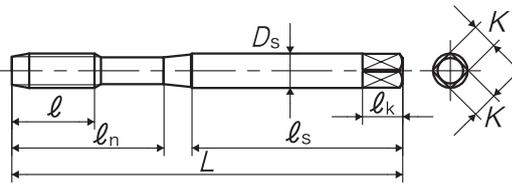
TYPE: 1



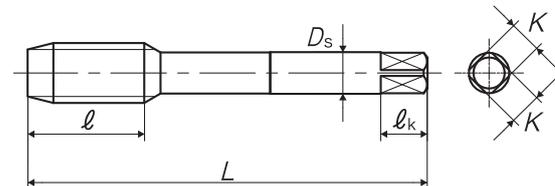
TYPE: 2



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 |

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

3

ANSI

| 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

ANSI

③-92