

| Overall length | Chamfer + full thread | Thread length | Thread + Neck length | Shank length | Shank dia. | Size of square | Length of square |
|----------------|-----------------------|---------------|----------------------|--------------|------------|----------------|------------------|
| L | ℓ_t | ℓ | ℓ_n | ℓ_s | Ds | K | ℓ_k |



SP Spiral Fluted Taps



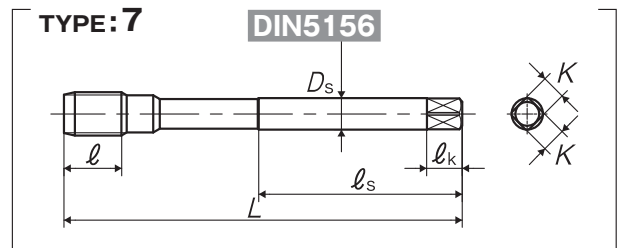
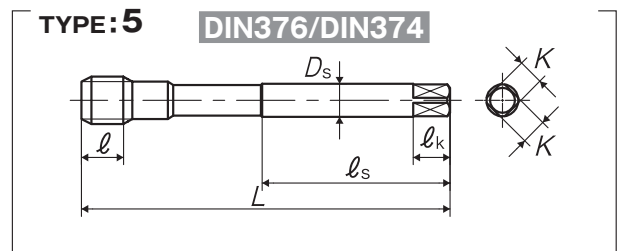
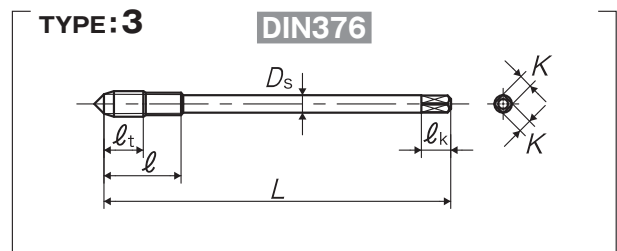
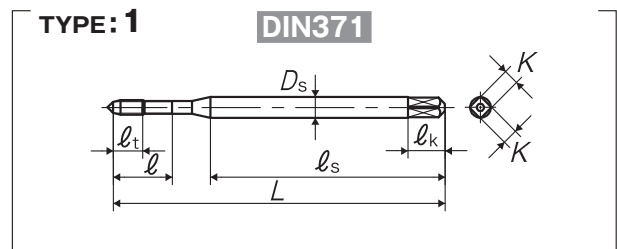
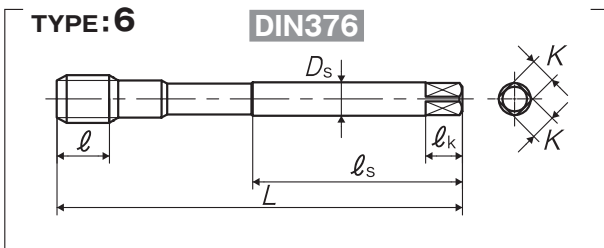
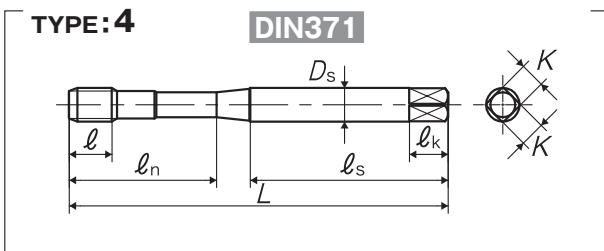
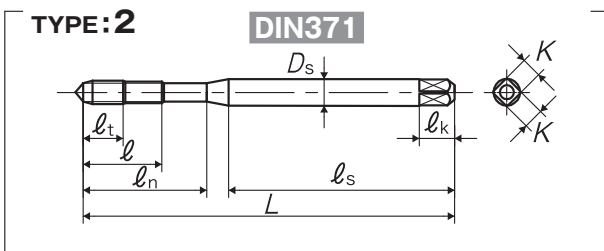
Specification



■ Spiral flutes continuously curl the chips and discharge them back toward the shank of the tap. Spiral flute taps are the most suitable for blind hole processing.

Tapping Speeds depending on Materials

| | |
|------------------------------|----------------------------|
| Medium carbon steels 中炭素鋼 | High carbon steels 高炭素鋼 |
| 5~10 (m/min) | 5~10 (m/min) |



- 1 **DIN** 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/Metal Surgical Instruments

1 Spiral Fluted Tap Series for blind hole

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

DIN

SP Spiral Fluted Taps

Segment : 1D (G=1H)

| Size | Class | Code | Chamfer | L (mm) | ℓt (mm) | ℓ (mm) | ℓn (mm) | ℓs (mm) | Ds (mm) | K (mm) | ℓk (mm) | No. of flutes | TYPE |
|--------------------|-------|------------|---------|--------|---------|--------|---------|---------|---------|--------|---------|---------------|------|
| For Metric Threads | | | | | | | | | | | | | |
| M2 × 0.4 | ISO2 | SD2.0EANEB | 2.5P | 45 | 4 | 8 | - | 32 | 2.8 | 2.1 | 5 | 2 | 1 |
| M2.2 × 0.45 | ISO2 | SD2.2FANEB | 2.5P | 45 | 4 | 9 | - | 32 | 2.8 | 2.1 | 5 | 2 | 1 |
| M2.5 × 0.45 | ISO2 | SD2.5FANEB | 2.5P | 50 | 4 | 8 | 15 | 33 | 2.8 | 2.1 | 5 | 2 | 2 |
| M2.6 × 0.45 | ISO2 | SD2.6FANEB | 2.5P | 50 | 4 | 8 | 15 | 33 | 2.8 | 2.1 | 5 | 2 | 2 |
| M3 × 0.5 | ISO2 | SD3.0GANEB | 2.5P | 56 | 5 | 9 | 18 | 34 | 3.5 | 2.7 | 6 | 3 | 2 |
| M3 × 0.5 | ISO3 | SD3.0GMNEB | 2.5P | 56 | 5 | 9 | 18 | 34 | 3.5 | 2.7 | 6 | 3 | 2 |
| M3.5 × 0.6 | ISO2 | SD3.5HANEB | 2.5P | 56 | 7 | 11 | 20 | 32 | 4 | 3 | 6 | 3 | 2 |
| M4 × 0.7 | ISO2 | SD4.0IANEB | 2.5P | 63 | 7 | 13 | 21 | 38 | 4.5 | 3.4 | 6 | 3 | 2 |
| M4 × 0.7 | ISO2 | SG4.0IANEB | 2.5P | 63 | 7 | 13 | - | - | 2.8 | 2.1 | 5 | 3 | 3 |
| M4 × 0.7 | ISO3 | SD4.0IMNEB | 2.5P | 63 | 7 | 13 | 21 | 38 | 4.5 | 3.4 | 6 | 3 | 2 |
| M5 × 0.8 | ISO2 | SD5.0KANEB | 2.5P | 70 | 9 | 14 | 25 | 39 | 6 | 4.9 | 8 | 3 | 2 |
| M5 × 0.8 | ISO2 | SG5.0KANEB | 2.5P | 70 | 9 | 14 | - | - | 3.5 | 2.7 | 6 | 3 | 3 |
| M5 × 0.8 | ISO3 | SD5.0KMNEB | 2.5P | 70 | 9 | 14 | 25 | 39 | 6 | 4.9 | 8 | 3 | 2 |
| M6 × 1 | ISO2 | SD6.0MANEB | 2.5P | 80 | 11 | 15 | 30 | 45 | 6 | 4.9 | 8 | 3 | 2 |
| M6 × 1 | ISO2 | SG6.0MANEB | 2.5P | 80 | 11 | 15 | - | - | 4.5 | 3.4 | 6 | 3 | 3 |
| M6 × 1 | ISO3 | SD6.0MMNEB | 2.5P | 80 | 11 | 15 | 30 | 45 | 6 | 4.9 | 8 | 3 | 2 |
| M7 × 1 | ISO2 | SD7.0MANEB | 2.5P | 80 | - | 11 | 30 | 45 | 7 | 5.5 | 8 | 3 | 4 |
| M7 × 0.75 | ISO2 | SM7.0JANEB | 2.5P | 80 | - | 8 | - | 41 | 5.5 | 4.3 | 7 | 3 | 5 |
| M7 × 0.5 | ISO2 | SM7.0GANEB | 2.5P | 80 | - | 8 | - | 41 | 5.5 | 4.3 | 7 | 3 | 5 |
| M8 × 1.25 | ISO2 | SD8.0NANEB | 2.5P | 90 | - | 12 | 35 | 47 | 8 | 6.2 | 9 | 3 | 4 |
| M8 × 1.25 | ISO2 | SG8.0NANEB | 2.5P | 90 | - | 12 | - | 46 | 6 | 4.9 | 8 | 3 | 5 |
| M8 × 1.25 | ISO3 | SD8.0NMNEB | 2.5P | 90 | - | 12 | 35 | 47 | 8 | 6.2 | 9 | 3 | 4 |
| M8 × 1 | ISO2 | SM8.0MANEB | 2.5P | 90 | - | 12 | - | 46 | 6 | 4.9 | 8 | 3 | 5 |
| M8 × 0.75 | ISO2 | SM8.0JANEB | 2.5P | 80 | - | 12 | - | 41 | 6 | 4.9 | 8 | 3 | 5 |
| M8 × 0.5 | ISO2 | SM8.0GANEB | 2.5P | 80 | - | 10 | - | 41 | 6 | 4.9 | 8 | 3 | 5 |
| M9 × 1.25 | ISO2 | SG9.0NANEB | 2.5P | 90 | - | 12 | - | 46 | 7 | 5.5 | 8 | 3 | 5 |
| M9 × 1.25 | ISO2 | SD9.0NANEB | 2.5P | 90 | - | 12 | 35 | 48 | 9 | 7 | 10 | 3 | 4 |
| M9 × 1.25 | ISO3 | SD9.0NMNEB | 2.5P | 90 | - | 12 | 35 | 48 | 9 | 7 | 10 | 3 | 4 |
| M9 × 1 | ISO2 | SM9.0MANEB | 2.5P | 90 | - | 12 | - | 46 | 7 | 5.5 | 8 | 3 | 5 |
| M10 × 1.5 | ISO2 | SD010OANEB | 2.5P | 100 | - | 13 | 39 | 52.5 | 10 | 8 | 11 | 3 | 4 |
| M10 × 1.5 | ISO2 | SG010OANEB | 2.5P | 100 | - | 13 | - | 51 | 7 | 5.5 | 8 | 3 | 5 |
| M10 × 1.5 | ISO3 | SD010OMNEB | 2.5P | 100 | - | 13 | 39 | 52.5 | 10 | 8 | 11 | 3 | 4 |
| M10 × 1.25 | ISO2 | SM010NANEB | 2.5P | 100 | - | 13 | - | 51 | 7 | 5.5 | 8 | 3 | 5 |
| M10 × 1 | ISO2 | SM010MANEB | 2.5P | 90 | - | 13 | - | 46 | 7 | 5.5 | 8 | 3 | 5 |
| M10 × 0.75 | ISO2 | SM010JANEB | 2.5P | 90 | - | 13 | - | 46 | 7 | 5.5 | 8 | 3 | 5 |
| M11 × 1.5 | ISO2 | SG011OANEB | 2.5P | 100 | - | 13 | - | 51 | 8 | 6.2 | 9 | 3 | 5 |
| M12 × 1.75 | ISO2 | SG012PANEB | 2.5P | 110 | - | 15 | - | 56 | 9 | 7 | 10 | 3 | 6 |
| M12 × 1.75 | ISO3 | SG012PMNEB | 2.5P | 110 | - | 15 | - | 56 | 9 | 7 | 10 | 3 | 6 |
| M12 × 1.5 | ISO2 | SM012OANEB | 2.5P | 100 | - | 15 | - | 51 | 9 | 7 | 10 | 3 | 5 |
| M12 × 1.25 | ISO2 | SM012NANEB | 2.5P | 100 | - | 15 | - | 51 | 9 | 7 | 10 | 3 | 5 |
| M12 × 1 | ISO2 | SM012MANEB | 2.5P | 100 | - | 15 | - | 51 | 9 | 7 | 10 | 3 | 5 |
| M14 × 2 | ISO2 | SG014QANEB | 2.5P | 110 | - | 18 | - | 56 | 11 | 9 | 12 | 3 | 6 |
| M14 × 2 | ISO3 | SG014QMNEB | 2.5P | 110 | - | 18 | - | 56 | 11 | 9 | 12 | 3 | 6 |
| M14 × 1.5 | ISO2 | SM014OANEB | 2.5P | 100 | - | 14 | - | 51 | 11 | 9 | 12 | 3 | 5 |
| M14 × 1.25 | ISO2 | SM014NANEB | 2.5P | 100 | - | 14 | - | 51 | 11 | 9 | 12 | 3 | 5 |
| M14 × 1 | ISO2 | SM014MANEB | 2.5P | 100 | - | 14 | - | 51 | 11 | 9 | 12 | 3 | 5 |
| M16 × 2 | ISO2 | SG016QANEB | 2.5P | 110 | - | 18 | - | 56 | 12 | 9 | 12 | 3 | 6 |
| M16 × 2 | ISO3 | SG016QMNEB | 2.5P | 110 | - | 18 | - | 56 | 12 | 9 | 12 | 3 | 6 |
| M16 × 1.5 | ISO2 | SM016OANEB | 2.5P | 100 | - | 14 | - | 51 | 12 | 9 | 12 | 3 | 5 |

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

DIN

①-55

Think threads with **YAMAWA**

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

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

SP Spiral Fluted Taps

| Size | Class | Code | Chamfer | L (mm) | ℓt (mm) | ℓ (mm) | ℓn (mm) | ℓs (mm) | Ds (mm) | K (mm) | ℓk (mm) | No. of flutes | TYPE |
|-----------|-------|------------|---------|--------|---------|--------|---------|---------|---------|--------|---------|---------------|------|
| M16 × 1 | ISO2 | SM016MANEB | 2.5P | 100 | - | 14 | - | 51 | 12 | 9 | 12 | 3 | 5 |
| M18 × 2.5 | ISO2 | SG018RANEB | 2.5P | 125 | - | 20 | - | 64 | 14 | 11 | 14 | 4 | 6 |
| M18 × 2 | ISO2 | SM018QANEB | 2.5P | 125 | - | 18 | - | 64 | 14 | 11 | 14 | 4 | 5 |
| M18 × 1.5 | ISO2 | SM018OANEB | 2.5P | 110 | - | 14 | - | 56 | 14 | 11 | 14 | 4 | 5 |
| M18 × 1 | ISO2 | SM018MANEB | 2.5P | 110 | - | 14 | - | 56 | 14 | 11 | 14 | 4 | 5 |
| M20 × 2.5 | ISO2 | SG020RANEB | 2.5P | 140 | - | 20 | - | 71 | 16 | 12 | 15 | 4 | 6 |
| M20 × 2 | ISO2 | SM020QANEB | 2.5P | 140 | - | 18 | - | 71 | 16 | 12 | 15 | 4 | 5 |
| M20 × 1.5 | ISO2 | SM020OANEB | 2.5P | 125 | - | 14 | - | 64 | 16 | 12 | 15 | 4 | 5 |
| M20 × 1 | ISO2 | SM020MANEB | 2.5P | 125 | - | 14 | - | 64 | 16 | 12 | 15 | 4 | 5 |
| M22 × 2.5 | ISO2 | SG022RANEB | 2.5P | 140 | - | 20 | - | 71 | 18 | 14.5 | 17 | 4 | 6 |
| M22 × 2 | ISO2 | SM022QANEB | 2.5P | 140 | - | 18 | - | 71 | 18 | 14.5 | 17 | 4 | 5 |
| M22 × 1.5 | ISO2 | SM022OANEB | 2.5P | 125 | - | 14 | - | 64 | 18 | 14.5 | 17 | 4 | 5 |
| M22 × 1 | ISO2 | SM022MANEB | 2.5P | 125 | - | 14 | - | 64 | 18 | 14.5 | 17 | 4 | 5 |
| M24 × 3 | ISO2 | SG024SANEB | 2.5P | 160 | - | 25 | - | 82 | 18 | 14.5 | 17 | 4 | 6 |
| M24 × 2 | ISO2 | SM024QANEB | 2.5P | 140 | - | 18 | - | 71 | 18 | 14.5 | 17 | 4 | 5 |
| M24 × 1.5 | ISO2 | SM024OANEB | 2.5P | 140 | - | 18 | - | 71 | 18 | 14.5 | 17 | 4 | 5 |
| M24 × 1 | ISO2 | SM024MANEB | 2.5P | 140 | - | 18 | - | 71 | 18 | 14.5 | 17 | 4 | 5 |
| M25 × 1.5 | ISO2 | SM025OANEB | 2.5P | 140 | - | 18 | - | 71 | 18 | 14.5 | 17 | 4 | 5 |
| M26 × 1.5 | ISO2 | SM026OANEB | 2.5P | 140 | - | 18 | - | 71 | 18 | 14.5 | 17 | 4 | 5 |
| M27 × 3 | ISO2 | SG027SANEB | 2.5P | 160 | - | 25 | - | 82 | 20 | 16 | 19 | 4 | 6 |
| M27 × 2 | ISO2 | SM027QANEB | 2.5P | 140 | - | 20 | - | 71 | 20 | 16 | 19 | 4 | 5 |
| M27 × 1.5 | ISO2 | SM027OANEB | 2.5P | 140 | - | 20 | - | 71 | 20 | 16 | 19 | 4 | 5 |
| M27 × 1 | ISO2 | SM027MANEB | 2.5P | 140 | - | 20 | - | 71 | 20 | 16 | 19 | 4 | 5 |
| M28 × 2 | ISO2 | SM028QANEB | 2.5P | 140 | - | 20 | - | 71 | 20 | 16 | 19 | 4 | 5 |
| M28 × 1.5 | ISO2 | SM028OANEB | 2.5P | 140 | - | 20 | - | 71 | 20 | 16 | 19 | 4 | 5 |
| M28 × 1 | ISO2 | SM028MANEB | 2.5P | 140 | - | 20 | - | 71 | 20 | 16 | 19 | 4 | 5 |
| M30 × 3.5 | ISO2 | SG030TANEB | 2.5P | 180 | - | 30 | - | 92 | 22 | 18 | 21 | 4 | 6 |
| M30 × 2 | ISO2 | SM030QANEB | 2.5P | 150 | - | 20 | - | 77 | 22 | 18 | 21 | 4 | 5 |
| M30 × 1.5 | ISO2 | SM030OANEB | 2.5P | 150 | - | 20 | - | 77 | 22 | 18 | 21 | 4 | 5 |
| M30 × 1 | ISO2 | SM030MANEB | 2.5P | 150 | - | 20 | - | 77 | 22 | 18 | 21 | 4 | 5 |
| M32 × 2 | ISO2 | SM032QANEB | 2.5P | 150 | - | 20 | - | 77 | 22 | 18 | 21 | 4 | 5 |
| M32 × 1.5 | ISO2 | SM032OANEB | 2.5P | 150 | - | 20 | - | 77 | 22 | 18 | 21 | 4 | 5 |
| M32 × 1 | ISO2 | SM032MANEB | 2.5P | 150 | - | 20 | - | 77 | 22 | 18 | 21 | 4 | 5 |
| M33 × 3.5 | ISO2 | SG033TANEB | 2.5P | 180 | - | 30 | - | 92 | 25 | 20 | 23 | 4 | 6 |
| M33 × 2 | ISO2 | SM033QANEB | 2.5P | 160 | - | 20 | - | 82 | 25 | 20 | 23 | 4 | 5 |
| M33 × 1.5 | ISO2 | SM033OANEB | 2.5P | 160 | - | 20 | - | 82 | 25 | 20 | 23 | 4 | 5 |
| M33 × 1 | ISO2 | SM033MANEB | 2.5P | 160 | - | 20 | - | 82 | 25 | 20 | 23 | 4 | 5 |
| M36 × 4 | ISO2 | SG036UANEB | 2.5P | 200 | - | 40 | - | 102 | 28 | 22 | 25 | 4 | 6 |
| M36 × 3 | ISO2 | SM036SANEB | 2.5P | 200 | - | 30 | - | 102 | 28 | 22 | 25 | 4 | 5 |
| M36 × 2 | ISO2 | SM036QANEB | 2.5P | 170 | - | 20 | - | 87 | 28 | 22 | 25 | 4 | 5 |
| M36 × 1.5 | ISO2 | SM036OANEB | 2.5P | 170 | - | 20 | - | 87 | 28 | 22 | 25 | 4 | 5 |
| M36 × 1 | ISO2 | SM036MANEB | 2.5P | 170 | - | 20 | - | 87 | 28 | 22 | 25 | 4 | 5 |
| M39 × 4 | ISO2 | SG039UANEB | 2.5P | 200 | - | 40 | - | 102 | 32 | 24 | 27 | 4 | 6 |
| M39 × 2 | ISO2 | SM039QANEB | 2.5P | 170 | - | 20 | - | 87 | 32 | 24 | 27 | 4 | 5 |
| M39 × 1.5 | ISO2 | SM039OANEB | 2.5P | 170 | - | 20 | - | 87 | 32 | 24 | 27 | 4 | 5 |
| M39 × 1 | ISO2 | SM039MANEB | 2.5P | 170 | - | 20 | - | 87 | 32 | 24 | 27 | 4 | 5 |
| M42 × 4.5 | ISO2 | SG042VANEB | 2.5P | 200 | - | 40 | - | 102 | 32 | 24 | 27 | 4 | 6 |
| M42 × 2 | ISO2 | SM042QANEB | 2.5P | 170 | - | 20 | - | 87 | 32 | 24 | 27 | 4 | 5 |
| M42 × 1.5 | ISO2 | SM042OANEB | 2.5P | 170 | - | 20 | - | 87 | 32 | 24 | 27 | 4 | 5 |
| M42 × 1 | ISO2 | SM042MANEB | 2.5P | 170 | - | 20 | - | 87 | 32 | 24 | 27 | 4 | 5 |

1

DIN

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

1 Spiral Fluted Tap Series for blind hole

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

DIN

SP Spiral Fluted Taps

| Size | Class | Code | Chamfer | L (mm) | ℓt (mm) | ℓ (mm) | ℓn (mm) | ℓs (mm) | Ds (mm) | K (mm) | ℓk (mm) | No. of flutes | TYPE |
|---------------------|-------|-----------|---------|--------|---------|--------|---------|---------|---------|--------|---------|---------------|------|
| M45 × 4.5 | ISO2 | SG045VANE | 2.5P | 220 | - | 45 | - | 112 | 36 | 29 | 32 | 4 | 6 |
| M45 × 3 | ISO2 | SM045SANE | 2.5P | 200 | - | 40 | - | 102 | 36 | 29 | 32 | 4 | 5 |
| M45 × 2 | ISO2 | SM045QANE | 2.5P | 180 | - | 25 | - | 92 | 36 | 29 | 32 | 4 | 5 |
| M45 × 1.5 | ISO2 | SM045OANE | 2.5P | 180 | - | 25 | - | 92 | 36 | 29 | 32 | 4 | 5 |
| M45 × 1 | ISO2 | SM045MANE | 2.5P | 180 | - | 25 | - | 92 | 36 | 29 | 32 | 4 | 5 |
| M48 × 5 | ISO2 | SG048WANE | 2.5P | 250 | - | 45 | - | 128 | 36 | 29 | 32 | 4 | 6 |
| M48 × 3 | ISO2 | SM048SANE | 2.5P | 225 | - | 40 | - | 115 | 36 | 29 | 32 | 4 | 5 |
| M48 × 2 | ISO2 | SM048QANE | 2.5P | 190 | - | 25 | - | 97 | 36 | 29 | 32 | 4 | 5 |
| M48 × 1.5 | ISO2 | SM048OANE | 2.5P | 190 | - | 25 | - | 97 | 36 | 29 | 32 | 4 | 5 |
| M48 × 1 | ISO2 | SM048MANE | 2.5P | 190 | - | 25 | - | 97 | 36 | 29 | 32 | 4 | 5 |
| For Unified Threads | | | | | | | | | | | | | |
| No.4-40UNC | 2B | SDUN4HXNE | 2.5P | 56 | 11 | 5 | 18 | 34 | 3.5 | 2.7 | 6 | 2 | 2 |
| No.4-48UNF | 2B | SDUN4FXNE | 2.5P | 56 | 11 | 5 | 18 | 34 | 3.5 | 2.7 | 6 | 2 | 2 |
| No.5-40UNC | 2B | SDUN5HXNE | 2.5P | 56 | 5 | 11 | 18 | 34 | 3.5 | 2.7 | 6 | 3 | 2 |
| No.5-44UNF | 2B | SDUN5GXNE | 2.5P | 56 | 5 | 11 | 18 | 34 | 3.5 | 2.7 | 6 | 3 | 2 |
| No.6-32UNC | 2B | SDUN6JXNE | 2.5P | 56 | 7 | 11 | 19 | 32 | 4 | 3 | 6 | 3 | 2 |
| No.6-40UNF | 2B | SDUN6HXNE | 2.5P | 56 | 7 | 11 | 19 | 32 | 4 | 3 | 6 | 3 | 2 |
| No.8-32UNC | 2B | SDUN8JXNE | 2.5P | 63 | 7 | 13 | 21 | 38 | 4.5 | 3.4 | 6 | 3 | 2 |
| No.8-36UNF | 2B | SDUN8IXNE | 2.5P | 63 | 7 | 13 | 21 | 38 | 4.5 | 3.4 | 6 | 3 | 2 |
| No.10-24UNC | 2B | SDUNAMXNE | 2.5P | 70 | 9 | 14 | 24 | 39 | 6 | 4.9 | 8 | 3 | 2 |
| No.10-32UNF | 2B | SDUNAJXNE | 2.5P | 70 | 9 | 14 | 24 | 39 | 6 | 4.9 | 8 | 3 | 2 |
| No.12-24UNC | 2B | SDUNCMXNE | 2.5P | 80 | 9 | 15 | 28 | 45 | 6 | 4.9 | 8 | 3 | 2 |
| No.12-28UNF | 2B | SDUNCXNE | 2.5P | 80 | 9 | 15 | 28 | 45 | 6 | 4.9 | 8 | 3 | 2 |
| 1/4-20UNC | 2B | SDU04NXNE | 2.5P | 80 | 11 | 15 | 30 | 42 | 7 | 5.5 | 8 | 3 | 2 |
| 1/4-28UNF | 2B | SDU04KXNE | 2.5P | 80 | 11 | 15 | 30 | 42 | 7 | 5.5 | 8 | 3 | 2 |
| 5/16-18UNC | 2B | SDU05OXNE | 2.5P | 90 | - | 12 | 35 | 47 | 8 | 6.2 | 9 | 3 | 4 |
| 5/16-24UNF | 2B | SMU05MXNE | 2.5P | 90 | - | 12 | - | 46 | 6 | 4.9 | 8 | 3 | 5 |
| 3/8-16UNC | 2B | SDU06PXNE | 2.5P | 100 | - | 13 | 39 | 54.5 | 9 | 7 | 10 | 3 | 4 |
| 3/8-24UNF | 2B | SMU06MXNE | 2.5P | 100 | - | 13 | - | 51 | 7 | 5.5 | 8 | 3 | 5 |
| 7/16-14UNC | 2B | SGU07QXNE | 2.5P | 100 | - | 13 | - | 51 | 8 | 6.2 | 9 | 3 | 6 |
| 7/16-20UNF | 2B | SMU07NXNE | 2.5P | 100 | - | 13 | - | 51 | 8 | 6.2 | 9 | 3 | 5 |
| 1/2-13UNC | 2B | SGU08RXNE | 2.5P | 110 | - | 15 | - | 56 | 9 | 7 | 10 | 3 | 6 |
| 1/2-20UNF | 2B | SMU08NXNE | 2.5P | 100 | - | 15 | - | 51 | 9 | 7 | 10 | 3 | 5 |
| 9/16-12UNC | 2B | SGU09SXNE | 2.5P | 110 | - | 18 | - | 56 | 11 | 9 | 12 | 3 | 6 |
| 9/16-18UNF | 2B | SMU09OXNE | 2.5P | 100 | - | 14 | - | 51 | 11 | 9 | 12 | 3 | 5 |
| 5/8-11UNC | 2B | SGU10UXNE | 2.5P | 110 | - | 18 | - | 56 | 12 | 9 | 12 | 3 | 6 |
| 5/8-18UNF | 2B | SMU10OXNE | 2.5P | 100 | - | 14 | - | 51 | 12 | 9 | 12 | 3 | 5 |
| 3/4-10UNC | 2B | SGU12VXNE | 2.5P | 125 | - | 20 | - | 64 | 14 | 11 | 14 | 4 | 6 |
| 3/4-16UNF | 2B | SMU12PXNE | 2.5P | 110 | - | 14 | - | 56 | 14 | 11 | 14 | 4 | 5 |
| 7/8-9UNC | 2B | SGU14WXNE | 2.5P | 140 | - | 20 | - | 71 | 18 | 14.5 | 17 | 4 | 6 |
| 7/8-14UNF | 2B | SMU14QXNE | 2.5P | 125 | - | 20 | - | 64 | 18 | 14.5 | 17 | 4 | 5 |
| 1 -8UNC | 2B | SGU16XXNE | 2.5P | 160 | - | 25 | - | 82 | 18 | 14.5 | 17 | 4 | 6 |
| 1 -12UNF | 2B | SMU16SXNE | 2.5P | 140 | - | 18 | - | 71 | 18 | 14.5 | 17 | 4 | 5 |
| 1 1/8-7UNC | 2B | SGU18YXNE | 2.5P | 180 | - | 30 | - | 92 | 22 | 18 | 21 | 4 | 6 |
| 1 1/8-12UNF | 2B | SMU18SXNE | 2.5P | 150 | - | 20 | - | 77 | 22 | 18 | 21 | 4 | 5 |
| 1 1/4-7UNC | 2B | SGU20YXNE | 2.5P | 180 | - | 30 | - | 92 | 22 | 18 | 21 | 4 | 6 |
| 1 1/4-12UNF | 2B | SMU20SXNE | 2.5P | 150 | - | 20 | - | 77 | 22 | 18 | 21 | 4 | 5 |
| 1 3/8-6UNC | 2B | SGU22ZXNE | 2.5P | 200 | - | 40 | - | 102 | 28 | 22 | 25 | 4 | 6 |
| 1 3/8-12UNF | 2B | SMU22SXNE | 2.5P | 170 | - | 20 | - | 87 | 28 | 20 | 23 | 4 | 5 |
| 1 1/2-6UNC | 2B | SGU24ZXNE | 2.5P | 200 | - | 40 | - | 102 | 32 | 24 | 27 | 4 | 6 |

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

DIN

①-57



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

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

SP Spiral Fluted Taps

| Size | Class | Code | Chamfer | L (mm) | ℓt (mm) | ℓ (mm) | ℓn (mm) | ℓs (mm) | Ds (mm) | K (mm) | ℓk (mm) | No. of flutes | TYPE |
|---------------|-------|------------|---------|--------|---------|--------|---------|---------|---------|--------|---------|---------------|------|
| 1 1/2-12UNF | 2B | SMU24SXNEB | 2.5P | 170 | - | 20 | - | 87 | 32 | 24 | 27 | 4 | 5 |
| 1 3/4-5UNC | 2B | SGU280XNEB | 2.5P | 220 | - | 45 | - | 112 | 36 | 29 | 32 | 4 | 6 |
| 1 3/4-12UN | 2B | SMU28SXNEB | 2.5P | 180 | - | 20 | - | 92 | 36 | 29 | 32 | 4 | 5 |
| For G Threads | | | | | | | | | | | | | |
| G 1/16-28 | - | SVG0010NEB | 2.5P | 90 | - | 12 | - | 46 | 6 | 4.9 | 8 | 3 | 7 |
| G 1/8-28 | - | SVG0020NEB | 2.5P | 90 | - | 12 | - | 46 | 7 | 5.5 | 8 | 3 | 7 |
| G 1/4-19 | - | SVG0040NEB | 2.5P | 100 | - | 14 | - | 51 | 11 | 9 | 12 | 3 | 7 |
| G 3/8-19 | - | SVG0060NEB | 2.5P | 100 | - | 14 | - | 51 | 12 | 9 | 12 | 3 | 7 |
| G 1/2-14 | - | SVG0080NEB | 2.5P | 125 | - | 18 | - | 64 | 16 | 12 | 15 | 4 | 7 |
| G 3/4-14 | - | SVG0120NEB | 2.5P | 140 | - | 20 | - | 71 | 20 | 16 | 19 | 4 | 7 |
| G 7/8-14 | - | SVG0140NEB | 2.5P | 150 | - | 20 | - | 77 | 22 | 18 | 21 | 4 | 7 |
| G 1-11 | - | SVG0160NEB | 2.5P | 160 | - | 20 | - | 82 | 25 | 20 | 23 | 4 | 7 |
| G 1 1/8-11 | - | SVG0180NEB | 2.5P | 170 | - | 20 | - | 87 | 28 | 22 | 25 | 4 | 7 |
| G 1 1/4-11 | - | SVG0200NEB | 2.5P | 170 | - | 20 | - | 87 | 32 | 24 | 27 | 4 | 7 |
| G 1 1/2-11 | - | SVG0240NEB | 2.5P | 190 | - | 25 | - | 97 | 36 | 29 | 32 | 4 | 7 |

1

DIN

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

DIN

①-58