

| 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 |

JIS

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

⑧ Pipe Taps

⑨ Thread Mills
Premium Thread Mills

⑩ Simple Inspection Tools
Related Products

⑪ Dies

⑫ Center Drills
Centering Tools

⑬ Precision Machinery/
Medical Surgical Instruments

JIS

④-133



LS-PM-HT

Long, Hand Taps for Hard-to-Machine Materials



Specification

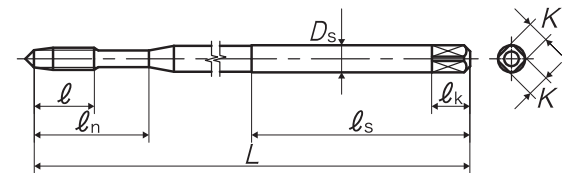


■EH-HT is the hand tap suitable for hard steels of 25-45HRC, such as forgings and thermal refined steels of high carbon steels and alloy steels, and die steels.

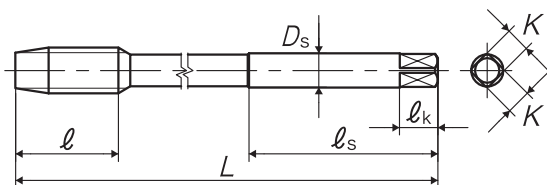
Tapping Speeds depending on Materials

| | | | | | | |
|---------------------------|------------------------------|----------------------------|-------------------------------|-------------------------------|--------------------|----------------------------|
| Low carbon steels 低炭素鋼 | Medium carbon steels 中炭素鋼 | High carbon steels 高炭素鋼 | Thermal refined steels 調質鋼 | Thermal refined steels 調質鋼 | Tool steels 工具鋼 | Ductile cast irons 強靱鑄鐵 |
| 3~5 (m/min) | 3~5 (m/min) | 3~5 (m/min) | 3~5 (m/min) | 3~5 (m/min) | 3~5 (m/min) | 3~5 (m/min) |
| | | | 25~35HRC | 35~45HRC | | |

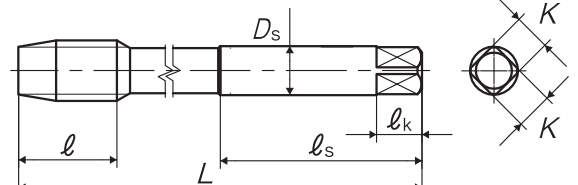
TYPE: 1



TYPE: 2



TYPE: 3



Segment : 1B

| 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 | | | | | | | | | | | | | |
| M3 × 0.5 | P3 | T43.0GRDPB5E | 5P | 100 | 9 | 18 | 40 | 4 | 3.2 | 6 | 3 | 1 | ¥ 5,540 ※ |
| M3 × 0.5 | P3 | T43.0GRDPBCE | 2.5P | 100 | 9 | 18 | 40 | 4 | 3.2 | 6 | 3 | 1 | ¥ 5,540 ※ |
| M4 × 0.7 | P3 | T44.0IRDPA5E | 5P | 100 | 11 | 21 | 40 | 5 | 4 | 7 | 3 | 1 | ¥ 5,040 ※ |
| M4 × 0.7 | P3 | T44.0IRDPA5CE | 2.5P | 100 | 11 | 21 | 40 | 5 | 4 | 7 | 3 | 1 | ¥ 5,040 ※ |
| M5 × 0.8 | P3 | T45.0KRDPB5E | 5P | 100 | 13 | 25 | 40 | 5.5 | 4.5 | 7 | 3 | 1 | ¥ 4,440 ※ |
| M5 × 0.8 | P3 | T45.0KRDPB5CE | 2.5P | 100 | 13 | 25 | 40 | 5.5 | 4.5 | 7 | 3 | 1 | ¥ 4,440 ※ |
| M6 × 1 | P3 | T46.0MRDPB5E | 5P | 100 | 15 | 30 | 40 | 6 | 4.5 | 7 | 3 | 1 | ¥ 3,770 ※ |
| M6 × 1 | P3 | T46.0MRDPB5G | 5P | 150 | 15 | 30 | 40 | 6 | 4.5 | 7 | 3 | 1 | ¥ 6,680 ※ |
| M6 × 1 | P3 | T46.0MRDPB5CE | 2.5P | 100 | 15 | 30 | 40 | 6 | 4.5 | 7 | 3 | 1 | ¥ 3,770 ※ |
| M6 × 1 | P3 | T46.0MRDPB5CG | 2.5P | 150 | 15 | 30 | 40 | 6 | 4.5 | 7 | 3 | 1 | ¥ 6,680 ※ |
| M8 × 1.25 | P4 | TY8.0NSDPB5E | 5P | 100 | 19 | - | 50 | 6.2 | 5 | 8 | 4 | 2 | ¥ 4,820 ※ |
| M8 × 1.25 | P4 | TY8.0NSDPB5G | 5P | 150 | 19 | - | 50 | 6.2 | 5 | 8 | 4 | 2 | ¥ 8,190 ※ |
| M8 × 1.25 | P4 | TY8.0NSDPB5CE | 2.5P | 100 | 19 | - | 50 | 6.2 | 5 | 8 | 4 | 2 | ¥ 4,820 ※ |
| M8 × 1.25 | P4 | TY8.0NSDPB5CG | 2.5P | 150 | 19 | - | 50 | 6.2 | 5 | 8 | 4 | 2 | ¥ 8,190 ※ |
| M10 × 1.5 | P4 | TY10.0OSDPB5G | 5P | 150 | 23 | - | 50 | 7 | 5.5 | 8 | 4 | 2 | ¥ 9,530 ※ |
| M10 × 1.5 | P4 | TY10.0OSDPB5CG | 2.5P | 150 | 23 | - | 50 | 7 | 5.5 | 8 | 4 | 2 | ¥ 9,530 ※ |
| M10 × 1.25 | P4 | TY10.0NSDPB5G | 5P | 150 | 23 | - | 50 | 7 | 5.5 | 8 | 4 | 2 | ¥ 9,530 ※ |
| M10 × 1.25 | P4 | TY10.0NSDPB5CG | 2.5P | 150 | 23 | - | 50 | 7 | 5.5 | 8 | 4 | 2 | ¥ 9,530 ※ |

Think threads with
YAMAWA

※ = Specified Distribution Items. Made to order products.

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

| Size | Class | Code | Chamfer | L (mm) | ℓ (mm) | ℓn (mm) | ℓs (mm) | Ds (mm) | K (mm) | ℓk (mm) | No. of flutes | TYPE | MSRP |
|------------|-------|--------------|---------|--------|--------|---------|---------|---------|--------|---------|---------------|------|-----------------------|
| M12 × 1.75 | P4 | TY012PSDPB5G | 5P | 150 | 26 | - | 50 | 8.5 | 6.5 | 9 | 4 | 2 | ¥ 12,000 [※] |
| M12 × 1.75 | P4 | TY012PSDPBCG | 2.5P | 150 | 26 | - | 50 | 8.5 | 6.5 | 9 | 4 | 2 | ¥ 12,000 [※] |
| M12 × 1.5 | P4 | TY012OSDPB5G | 5P | 150 | 26 | - | 50 | 8.5 | 6.5 | 9 | 4 | 2 | ¥ 12,000 [※] |
| M12 × 1.5 | P4 | TY012OSDPBCG | 2.5P | 150 | 26 | - | 50 | 8.5 | 6.5 | 9 | 4 | 2 | ¥ 12,000 [※] |
| M12 × 1.25 | P4 | TY012NSDPB5G | 5P | 150 | 26 | - | 50 | 8.5 | 6.5 | 9 | 4 | 2 | ¥ 12,000 [※] |
| M12 × 1.25 | P4 | TY012NSDPBCG | 2.5P | 150 | 26 | - | 50 | 8.5 | 6.5 | 9 | 4 | 2 | ¥ 12,000 [※] |
| M14 × 2 | P5 | TY014QTDPB5G | 5P | 150 | 26 | - | 60 | 10.5 | 8 | 11 | 4 | 2 | ¥ 15,000 [※] |
| M14 × 2 | P5 | TY014QTDPBCG | 2.5P | 150 | 26 | - | 60 | 10.5 | 8 | 11 | 4 | 2 | ¥ 15,000 [※] |
| M14 × 1.5 | P4 | TY014OSDPB5G | 5P | 150 | 26 | - | 60 | 10.5 | 8 | 11 | 4 | 2 | ¥ 15,000 [※] |
| M14 × 1.5 | P4 | TY014OSDPBCG | 2.5P | 150 | 26 | - | 60 | 10.5 | 8 | 11 | 4 | 2 | ¥ 15,000 [※] |
| M16 × 2 | P5 | TY016QTDPB5G | 5P | 150 | 26 | - | 60 | 12.5 | 10 | 13 | 4 | 2 | ¥ 16,200 [※] |
| M16 × 2 | P5 | TY016QTDPBCG | 2.5P | 150 | 26 | - | 60 | 12.5 | 10 | 13 | 4 | 2 | ¥ 16,200 [※] |
| M16 × 1.5 | P4 | TY016OSDPB5G | 5P | 150 | 26 | - | 60 | 12.5 | 10 | 13 | 4 | 2 | ¥ 16,200 [※] |
| M16 × 1.5 | P4 | TY016OSDPBCG | 2.5P | 150 | 26 | - | 60 | 12.5 | 10 | 13 | 4 | 2 | ¥ 16,200 [※] |
| M18 × 2.5 | P5 | TY018RTDPB5G | 5P | 150 | 33 | - | 70 | 14 | 11 | 14 | 4 | 2 | ¥ 22,100 [※] |
| M18 × 2.5 | P5 | TY018RTDPBCG | 2.5P | 150 | 33 | - | 70 | 14 | 11 | 14 | 4 | 2 | ¥ 22,100 [※] |
| M18 × 1.5 | P4 | TY018OSDPB5G | 5P | 150 | 33 | - | 70 | 14 | 11 | 14 | 4 | 2 | ¥ 22,100 [※] |
| M18 × 1.5 | P4 | TY018OSDPBCG | 2.5P | 150 | 33 | - | 70 | 14 | 11 | 14 | 4 | 2 | ¥ 22,100 [※] |
| M20 × 2.5 | P5 | TY020RTDPB5G | 5P | 150 | 33 | - | 70 | 15 | 12 | 15 | 4 | 3 | ¥ 28,500 [※] |
| M20 × 2.5 | P5 | TY020RTDPBCG | 2.5P | 150 | 33 | - | 70 | 15 | 12 | 15 | 4 | 3 | ¥ 28,500 [※] |
| M20 × 1.5 | P4 | TY020OSDPB5G | 5P | 150 | 33 | - | 70 | 15 | 12 | 15 | 4 | 3 | ¥ 28,500 [※] |
| M20 × 1.5 | P4 | TY020OSDPBCG | 2.5P | 150 | 33 | - | 70 | 15 | 12 | 15 | 4 | 3 | ¥ 28,500 [※] |
| M22 × 2.5 | P5 | TY022RTDPB5K | 5P | 200 | 33 | - | 70 | 17 | 13 | 16 | 4 | 3 | ¥ 39,500 [※] |
| M22 × 2.5 | P5 | TY022RTDPBCK | 2.5P | 200 | 33 | - | 70 | 17 | 13 | 16 | 4 | 3 | ¥ 39,500 [※] |
| M22 × 1.5 | P4 | TY022OSDPB5K | 5P | 200 | 33 | - | 70 | 17 | 13 | 16 | 4 | 3 | ¥ 39,500 [※] |
| M22 × 1.5 | P4 | TY022OSDPBCK | 2.5P | 200 | 33 | - | 70 | 17 | 13 | 16 | 4 | 3 | ¥ 39,500 [※] |
| M24 × 3 | P5 | TY024STDPB5K | 5P | 200 | 39 | - | 80 | 19 | 15 | 18 | 4 | 3 | ¥ 44,300 [※] |
| M24 × 3 | P5 | TY024STDPBCK | 2.5P | 200 | 39 | - | 80 | 19 | 15 | 18 | 4 | 3 | ¥ 44,300 [※] |
| M24 × 1.5 | P4 | TY024OSDPB5K | 5P | 200 | 39 | - | 80 | 19 | 15 | 18 | 4 | 3 | ¥ 44,300 [※] |
| M24 × 1.5 | P4 | TY024OSDPBCK | 2.5P | 200 | 39 | - | 80 | 19 | 15 | 18 | 4 | 3 | ¥ 44,300 [※] |
| M27 × 3 | P5 | TY027STDPB5K | 5P | 200 | 39 | - | 80 | 20 | 15 | 18 | 4 | 3 | ¥ 49,100 [※] |
| M27 × 3 | P5 | TY027STDPBCK | 2.5P | 200 | 39 | - | 80 | 20 | 15 | 18 | 4 | 3 | ¥ 49,100 [※] |
| M27 × 1.5 | P4 | TY027OSDPB5K | 5P | 200 | 39 | - | 80 | 20 | 15 | 18 | 4 | 3 | ¥ 49,100 [※] |
| M27 × 1.5 | P4 | TY027OSDPBCK | 2.5P | 200 | 39 | - | 80 | 20 | 15 | 18 | 4 | 3 | ¥ 49,100 [※] |
| M30 × 3.5 | P5 | TY030TTDPB5K | 5P | 200 | 46 | - | 80 | 23 | 17 | 20 | 4 | 3 | ¥ 63,000 [※] |
| M30 × 3.5 | P5 | TY030TTDPBCK | 2.5P | 200 | 46 | - | 80 | 23 | 17 | 20 | 4 | 3 | ¥ 63,000 [※] |
| M30 × 1.5 | P4 | TY030OSDPB5K | 5P | 200 | 46 | - | 80 | 23 | 17 | 20 | 4 | 3 | ¥ 63,000 [※] |
| M30 × 1.5 | P4 | TY030OSDPBCK | 2.5P | 200 | 46 | - | 80 | 23 | 17 | 20 | 4 | 3 | ¥ 63,000 [※] |

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 ⑦

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Thread Mills
Premium Thread Mills ⑨

Simple Inspection Tools
Related Products ⑩

Dies ⑪

Center Drills
Centering Tools ⑫

Precision Machinery/
Medical Surgical Instruments ⑬