

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

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 (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

JIS

④-67



## HT LH

Hand Taps for Left Hand Threads



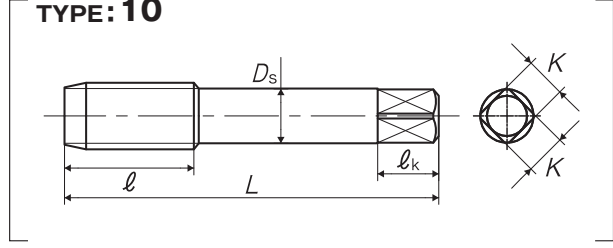
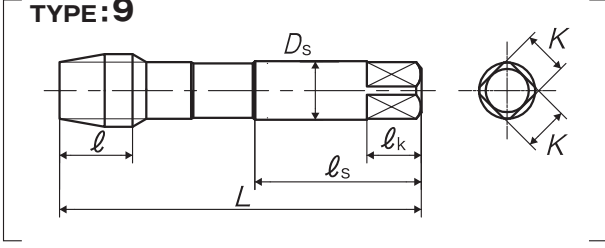
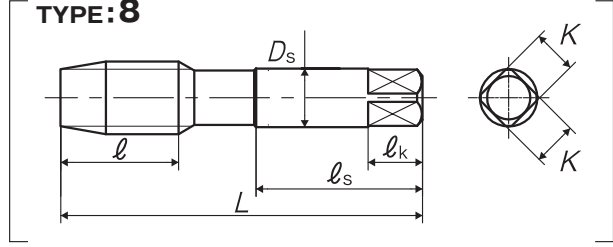
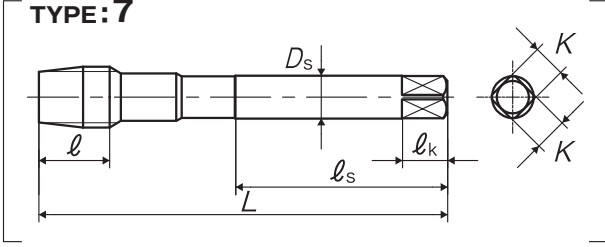
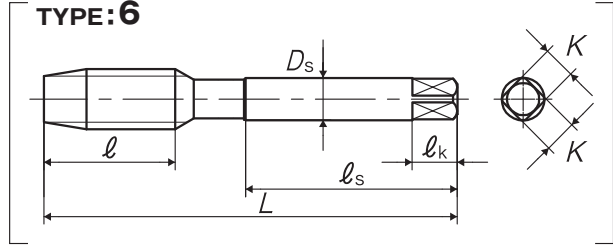
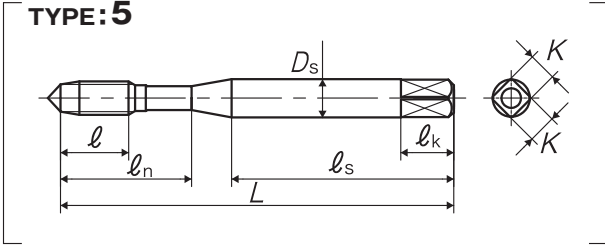
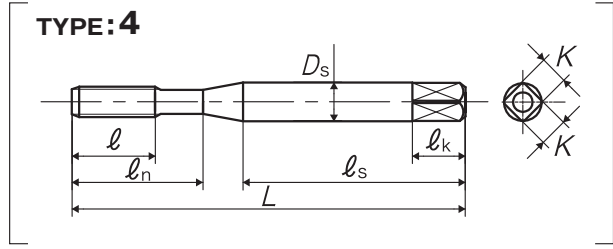
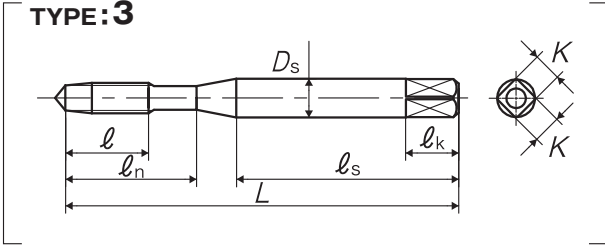
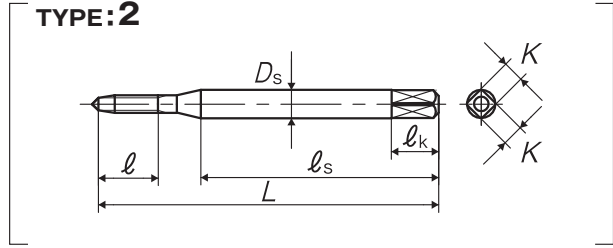
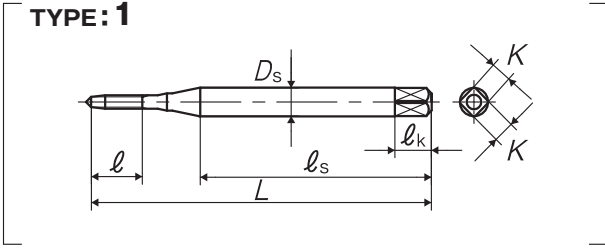
### Specification



■ The HT LH is a hand tap for left thread tapping.

### 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
5~10 (m/min)	5~10 (m/min)	5~10 (m/min)



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

4

JIS

Segment : 1A

Size	Class	Code	Chamfer	L (mm)	ℓ (mm)	ℓn (mm)	ℓs (mm)	Ds (mm)	K (mm)	ℓk (mm)	No. of flutes	TYPE	MSRP
For Metric Threads													
M1 × 0.25	P1	TNMP1.0B5-L	5P	36	4.5	-	24	3	2.5	5	3	1	¥ 5,340 <sup>**</sup>
M1 × 0.25	P1	TNMP1.0B1-L	1.5P	36	4.5	-	24	3	2.5	5	3	1	¥ 5,340 <sup>**</sup>
M1.2 × 0.25	P1	TNMP1.2B5-L	5P	36	4.5	-	24	3	2.5	5	3	1	¥ 5,340 <sup>**</sup>
M1.2 × 0.25	P1	TNMP1.2B1-L	1.5P	36	4.5	-	24	3	2.5	5	3	1	¥ 5,340 <sup>**</sup>
M1.4 × 0.3	P1	TNMP1.4C5-L	5P	36	5.4	-	24	3	2.5	5	3	1	¥ 4,370 <sup>**</sup>
M1.4 × 0.3	P1	TNMP1.4C1-L	1.5P	36	5.4	-	24	3	2.5	5	3	1	¥ 4,370 <sup>**</sup>
M1.6 × 0.35	P2	TNMQ1.6D5-L	5P	36	6.3	-	24	3	2.5	5	3	2	¥ 4,180 <sup>**</sup>
M1.6 × 0.35	P2	TNMQ1.6D1-L	1.5P	36	6.3	-	24	3	2.5	5	3	2	¥ 4,180 <sup>**</sup>
M1.7 × 0.35	P1	TNMP1.7D5-L	5P	36	6.3	-	24	3	2.5	5	3	2	¥ 4,180 <sup>**</sup>
M1.7 × 0.35	P1	TNMP1.7D1-L	1.5P	36	6.3	-	24	3	2.5	5	3	2	¥ 4,180 <sup>**</sup>
M2 × 0.4	P1	TNMP2.0E5-L	5P	42	7.2	12	27	3	2.5	5	3	3	¥ 3,350 <sup>**</sup>
M2 × 0.4	P1	TNMP2.0E1-L	1.5P	42	7.2	12	27	3	2.5	5	3	3	¥ 3,350 <sup>**</sup>
M2.3 × 0.4	P1	TNMP2.3E5-L	5P	42	7.2	12	27	3	2.5	5	3	3	¥ 3,040 <sup>**</sup>
M2.3 × 0.4	P1	TNMP2.3E1-L	1.5P	42	7.2	12	27	3	2.5	5	3	3	¥ 3,040 <sup>**</sup>
M2.5 × 0.45	P2	TNMQ2.5F5-L	5P	46	8.1	14	29	3	2.5	5	3	3	¥ 2,570 <sup>**</sup>
M2.5 × 0.45	P2	TNMQ2.5F1-L	1.5P	46	8.1	14	29	3	2.5	5	3	3	¥ 2,570 <sup>**</sup>
M2.6 × 0.45	P1	TNMP2.6F5-L	5P	46	8.1	14	29	3	2.5	5	3	3	¥ 2,570 <sup>**</sup>
M2.6 × 0.45	P1	TNMP2.6F1-L	1.5P	46	8.1	14	29	3	2.5	5	3	3	¥ 2,570 <sup>**</sup>
M3 × 0.5	P2	TNMQ3.0G5-L	5P	46	9	14	26	4	3.2	6	3	3	¥ 1,800
M3 × 0.5	P2	TNMQ3.0G1-L	1.5P	46	9	14	26	4	3.2	6	3	3	¥ 1,800
3M0.6	P2	TNMQ3.0H5-L	5P	46	9	14	26	4	3.2	6	3	3	¥ 1,800 <sup>**</sup>
3M0.6	P2	TNMQ3.0H1-L	1.5P	46	9	14	26	4	3.2	6	3	3	¥ 1,800 <sup>**</sup>
M3 × 0.35	P2	TNMQ3.0D5-L	5P	46	6.5	14	26	4	3.2	6	3	5	¥ 3,050 <sup>**</sup>
M3 × 0.35	P2	TNMQ3.0D1-L	1.5P	46	6.5	14	26	4	3.2	6	3	5	¥ 3,050 <sup>**</sup>
M3.5 × 0.6	P2	TNMQ3.5H5-L	5P	52	11	16	29	5	4	7	3	3	¥ 1,800 <sup>**</sup>
M3.5 × 0.6	P2	TNMQ3.5H1-L	1.5P	52	11	16	29	5	4	7	3	3	¥ 1,800 <sup>**</sup>
M4 × 0.7	P2	TNMQ4.0I53-L	5P	52	11	17	29	5	4	7	3	3	¥ 1,800
M4 × 0.7	P2	TNMQ4.0I13-L	1.5P	52	11	17	29	5	4	7	3	3	¥ 1,800
4M0.75	P2	TNMQ4.0J53-L	5P	52	11	17	29	5	4	7	3	3	¥ 1,800 <sup>**</sup>
4M0.75	P2	TNMQ4.0J13-L	1.5P	52	11	17	29	5	4	7	3	3	¥ 1,800 <sup>**</sup>
M4 × 0.5	P2	TNMQ4.0G5-L	5P	52	9	17	29	5	4	7	4	5	¥ 2,630 <sup>**</sup>
M4 × 0.5	P2	TNMQ4.0G1-L	1.5P	52	9	17	29	5	4	7	4	5	¥ 2,630 <sup>**</sup>
M5 × 0.8	P3	TNMR5.0K53-L	5P	60	13	22	33	5.5	4.5	7	3	3	¥ 1,820
M5 × 0.8	P3	TNMR5.0K13-L	1.5P	60	13	22	33	5.5	4.5	7	3	3	¥ 1,820
M5 × 0.8	P3	TNMR5.0K13FL	1.5P	60	13	22	33	5.5	4.5	7	3	4	¥ 1,820
5M0.9	P2	TNMQ5.0L53-L	5P	60	13	22	33	5.5	4.5	7	3	3	¥ 1,820 <sup>**</sup>
5M0.9	P2	TNMQ5.0L13-L	1.5P	60	13	22	33	5.5	4.5	7	3	3	¥ 1,820 <sup>**</sup>
M5 × 0.5	P2	TNMQ5.0G5-L	5P	60	9	22	33	5.5	4.5	7	4	5	¥ 2,630 <sup>**</sup>
M5 × 0.5	P2	TNMQ5.0G1-L	1.5P	60	9	22	33	5.5	4.5	7	4	5	¥ 2,630 <sup>**</sup>
M6 × 1	P2	TNMQ6.0M53-L	5P	62	15	26	33	6	4.5	7	3	3	¥ 2,000
M6 × 1	P2	TNMQ6.0M13-L	1.5P	62	15	26	33	6	4.5	7	3	3	¥ 2,000
M6 × 1	P2	TNMQ6.0M13FL	1.5P	62	15	26	33	6	4.5	7	3	4	¥ 2,000
M6 × 0.75	P2	TNMQ6.0J5-L	5P	62	15	26	33	6	4.5	7	4	3	¥ 2,800 <sup>**</sup>
M6 × 0.75	P2	TNMQ6.0J1-L	1.5P	62	15	26	33	6	4.5	7	4	3	¥ 2,800 <sup>**</sup>
M6 × 0.5	P2	TNMQ6.0G5-L	5P	62	9	26	33	6	4.5	7	4	5	¥ 2,800 <sup>**</sup>
M6 × 0.5	P2	TNMQ6.0G1-L	1.5P	62	9	26	33	6	4.5	7	4	5	¥ 2,800 <sup>**</sup>
M7 × 1	P2	TNMQ7.0M5-L	5P	70	19	-	36	6.2	5	8	4	6	¥ 2,380 <sup>**</sup>
M7 × 1	P2	TNMQ7.0M1-L	1.5P	70	19	-	36	6.2	5	8	4	6	¥ 2,380 <sup>**</sup>

Spiral Fluted Taps  
(for blind hole) ①Spiral Fluted Taps  
(for through hole) ②Spiral 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 ⑪Precision Machinery/  
Metal Surgical Instruments ⑫

JIS

④-68

Think threads with  
**YAMAWA**

※ = Specified Distribution Items. Made to order products.

# 4 Hand Tap Series

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

JIS

## HT LH Hand Taps for Left Hand Threads

Size	Class	Code	Chamfer	L (mm)	ℓ (mm)	ℓn (mm)	ℓs (mm)	Ds (mm)	K (mm)	ℓk (mm)	No. of flutes	TYPE	MSRP
M7 × 0.75	P2	TNMQ7.0J5-L	5P	70	19	-	36	6.2	5	8	4	6	¥ 3,520 <sup>**</sup>
M7 × 0.75	P2	TNMQ7.0J1-L	1.5P	70	19	-	36	6.2	5	8	4	6	¥ 3,520 <sup>**</sup>
M8 × 1.25	P3	TNMR8.0N5TL	5P	70	19	-	36	6.2	5	8	3	6	¥ 2,730 <sup>**</sup>
M8 × 1.25	P3	TNMR8.0N1TL	1.5P	70	19	-	36	6.2	5	8	3	6	¥ 2,730 <sup>**</sup>
M8 × 1.25	P3	TNMR8.0N5-L	5P	70	19	-	36	6.2	5	8	4	6	¥ 2,730
M8 × 1.25	P3	TNMR8.0N1-L	1.5P	70	19	-	36	6.2	5	8	4	6	¥ 2,730
M8 × 1	P2	TNMQ8.0M5-L	5P	70	19	-	36	6.2	5	8	4	6	¥ 3,100 <sup>**</sup>
M8 × 1	P2	TNMQ8.0M1-L	1.5P	70	19	-	36	6.2	5	8	4	6	¥ 3,100 <sup>**</sup>
M8 × 0.75	P2	TNMQ8.0J5-L	5P	70	19	-	36	6.2	5	8	4	6	¥ 3,520 <sup>**</sup>
M8 × 0.75	P2	TNMQ8.0J1-L	1.5P	70	19	-	36	6.2	5	8	4	6	¥ 3,520 <sup>**</sup>
M8 × 0.5	P2	TNMQ8.0G5-L	5P	70	10	-	36	6.2	5	8	4	7	¥ 4,370 <sup>**</sup>
M8 × 0.5	P2	TNMQ8.0G1-L	1.5P	70	10	-	36	6.2	5	8	4	7	¥ 4,370 <sup>**</sup>
M9 × 1.25	P3	TNMR9.0N5-L	5P	75	23	-	38	7	5.5	8	4	6	¥ 3,470 <sup>**</sup>
M9 × 1.25	P3	TNMR9.0N1-L	1.5P	75	23	-	38	7	5.5	8	4	6	¥ 3,470 <sup>**</sup>
M9 × 1	P2	TNMQ9.0M5-L	5P	75	23	-	38	7	5.5	8	4	6	¥ 4,130 <sup>**</sup>
M9 × 1	P2	TNMQ9.0M1-L	1.5P	75	23	-	38	7	5.5	8	4	6	¥ 4,130 <sup>**</sup>
M9 × 0.75	P2	TNMQ9.0J5-L	5P	75	13	-	38	7	5.5	8	4	7	¥ 5,020 <sup>**</sup>
M9 × 0.75	P2	TNMQ9.0J1-L	1.5P	75	13	-	38	7	5.5	8	4	7	¥ 5,020 <sup>**</sup>
M10 × 1.5	P3	TNMR010O5-L	5P	75	23	-	38	7	5.5	8	4	6	¥ 3,470
M10 × 1.5	P3	TNMR010O1-L	1.5P	75	23	-	38	7	5.5	8	4	6	¥ 3,470
M10 × 1.25	P3	TNMR010N5-L	5P	75	23	-	38	7	5.5	8	4	6	¥ 3,470
M10 × 1.25	P3	TNMR010N1-L	1.5P	75	23	-	38	7	5.5	8	4	6	¥ 3,470
M10 × 1	P3	TNMR010M5-L	5P	75	23	-	38	7	5.5	8	4	6	¥ 4,130 <sup>**</sup>
M10 × 1	P3	TNMR010M1-L	1.5P	75	23	-	38	7	5.5	8	4	6	¥ 4,130 <sup>**</sup>
M11 × 1.5	P4	TNMS011O5-L	5P	82	26	-	42	8.5	6.5	9	4	6	¥ 4,920 <sup>**</sup>
M11 × 1.5	P4	TNMS011O1-L	1.5P	82	26	-	42	8.5	6.5	9	4	6	¥ 4,920 <sup>**</sup>
M11 × 1.25	P3	TNMR011N5-L	5P	82	26	-	42	8.5	6.5	9	4	6	¥ 4,920 <sup>**</sup>
M11 × 1.25	P3	TNMR011N1-L	1.5P	82	26	-	42	8.5	6.5	9	4	6	¥ 4,920 <sup>**</sup>
M11 × 1	P3	TNMR011M5-L	5P	82	26	-	42	8.5	6.5	9	4	6	¥ 5,780 <sup>**</sup>
M11 × 1	P3	TNMR011M1-L	1.5P	82	26	-	42	8.5	6.5	9	4	6	¥ 5,780 <sup>**</sup>
M12 × 1.75	P3	TNMR012P5-L	5P	82	26	-	42	8.5	6.5	9	4	6	¥ 4,920
M12 × 1.75	P3	TNMR012P1-L	1.5P	82	26	-	42	8.5	6.5	9	4	6	¥ 4,920
M12 × 1.5	P3	TNMR012O5-L	5P	82	26	-	42	8.5	6.5	9	4	6	¥ 4,920
M12 × 1.5	P3	TNMR012O1-L	1.5P	82	26	-	42	8.5	6.5	9	4	6	¥ 4,920
M12 × 1.25	P4	TNMS012N5-L	5P	82	26	-	42	8.5	6.5	9	4	6	¥ 4,920
M12 × 1.25	P4	TNMS012N1-L	1.5P	82	26	-	42	8.5	6.5	9	4	6	¥ 4,920
M12 × 1	P3	TNMR012M5-L	5P	82	26	-	42	8.5	6.5	9	4	6	¥ 5,780 <sup>**</sup>
M12 × 1	P3	TNMR012M1-L	1.5P	82	26	-	42	8.5	6.5	9	4	6	¥ 5,780 <sup>**</sup>
M13 × 1.5	P3	TNMR013O5-L	5P	88	26	-	45	10.5	8	11	4	6	¥ 7,790 <sup>**</sup>
M13 × 1.5	P3	TNMR013O1-L	1.5P	88	26	-	45	10.5	8	11	4	6	¥ 7,790 <sup>**</sup>
M13 × 1.25	P4	TNMS013N5-L	5P	88	26	-	45	10.5	8	11	4	6	¥ 7,790 <sup>**</sup>
M13 × 1.25	P4	TNMS013N1-L	1.5P	88	26	-	45	10.5	8	11	4	6	¥ 7,790 <sup>**</sup>
M13 × 1	P3	TNMR013M5-L	5P	88	26	-	45	10.5	8	11	4	6	¥ 7,790 <sup>**</sup>
M13 × 1	P3	TNMR013M1-L	1.5P	88	26	-	45	10.5	8	11	4	6	¥ 7,790 <sup>**</sup>
M14 × 2	P3	TNMR014Q5-L	5P	88	26	-	45	10.5	8	11	4	6	¥ 6,700
M14 × 2	P3	TNMR014Q1-L	1.5P	88	26	-	45	10.5	8	11	4	6	¥ 6,700
M14 × 1.5	P3	TNMR014O5-L	5P	88	26	-	45	10.5	8	11	4	6	¥ 6,700
M14 × 1.5	P3	TNMR014O1-L	1.5P	88	26	-	45	10.5	8	11	4	6	¥ 6,700
M14 × 1.25	P4	TNMS014N5-L	5P	88	26	-	45	10.5	8	11	4	6	¥ 7,790 <sup>**</sup>
M14 × 1.25	P4	TNMS014N1-L	1.5P	88	26	-	45	10.5	8	11	4	6	¥ 7,790 <sup>**</sup>

- 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



<sup>\*\*</sup> = 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

## HT LH Hand Taps for Left Hand Threads

Size	Class	Code	Chamfer	L (mm)	ℓ (mm)	ℓn (mm)	ℓs (mm)	Ds (mm)	K (mm)	ℓk (mm)	No. of flutes	TYPE	MSRP
M14 × 1	P3	TNMR014M5-L	5P	88	26	-	45	10.5	8	11	4	6	¥ 7,790*
M14 × 1	P3	TNMR014M1-L	1.5P	88	26	-	45	10.5	8	11	4	6	¥ 7,790*
M15 × 1.5	P3	TNMR015O5-L	5P	95	26	-	48	12.5	10	13	4	6	¥ 8,970*
M15 × 1.5	P3	TNMR015O1-L	1.5P	95	26	-	48	12.5	10	13	4	6	¥ 8,970*
M15 × 1.25	P4	TNMS015N5-L	5P	95	26	-	48	12.5	10	13	4	6	¥ 10,700*
M15 × 1.25	P4	TNMS015N1-L	1.5P	95	26	-	48	12.5	10	13	4	6	¥ 10,700*
M15 × 1	P3	TNMR015M5-L	5P	95	26	-	48	12.5	10	13	4	6	¥ 10,700*
M15 × 1	P3	TNMR015M1-L	1.5P	95	26	-	48	12.5	10	13	4	6	¥ 10,700*
M16 × 2	P3	TNMR016Q5-L	5P	95	26	-	48	12.5	10	13	4	6	¥ 8,970
M16 × 2	P3	TNMR016Q1-L	1.5P	95	26	-	48	12.5	10	13	4	6	¥ 8,970
M16 × 1.5	P3	TNMR016O5-L	5P	95	26	-	48	12.5	10	13	4	6	¥ 8,970
M16 × 1.5	P3	TNMR016O1-L	1.5P	95	26	-	48	12.5	10	13	4	6	¥ 8,970
M16 × 1.25	P4	TNMS016N5-L	5P	95	26	-	48	12.5	10	13	4	6	¥ 10,700*
M16 × 1.25	P4	TNMS016N1-L	1.5P	95	26	-	48	12.5	10	13	4	6	¥ 10,700*
M16 × 1	P3	TNMR016M5-L	5P	95	26	-	48	12.5	10	13	4	6	¥ 10,700*
M16 × 1	P3	TNMR016M1-L	1.5P	95	26	-	48	12.5	10	13	4	6	¥ 10,700*
M17 × 2	P3	TNMR017Q5-L	5P	100	33	-	51	14	11	14	4	6	¥ 12,000*
M17 × 2	P3	TNMR017Q1-L	1.5P	100	33	-	51	14	11	14	4	6	¥ 12,000*
M17 × 1.5	P4	TNMS017O5-L	5P	100	33	-	51	14	11	14	4	6	¥ 12,000*
M17 × 1.5	P4	TNMS017O1-L	1.5P	100	33	-	51	14	11	14	4	6	¥ 12,000*
M17 × 1	P3	TNMR017M5-L	5P	100	18	-	51	14	11	14	4	7	¥ 15,400*
M17 × 1	P3	TNMR017M1-L	1.5P	100	18	-	51	14	11	14	4	7	¥ 15,400*
M18 × 2.5	P4	TNMS018R5-L	5P	100	33	-	51	14	11	14	4	6	¥ 12,000*
M18 × 2.5	P4	TNMS018R1-L	1.5P	100	33	-	51	14	11	14	4	6	¥ 12,000*
M18 × 2	P4	TNMS018Q5-L	5P	100	33	-	51	14	11	14	4	6	¥ 12,000*
M18 × 2	P4	TNMS018Q1-L	1.5P	100	33	-	51	14	11	14	4	6	¥ 12,000*
M18 × 1.5	P3	TNMR018O5-L	5P	100	33	-	51	14	11	14	4	6	¥ 12,000
M18 × 1.5	P3	TNMR018O1-L	1.5P	100	33	-	51	14	11	14	4	6	¥ 12,000
M18 × 1	P3	TNMR018M5-L	5P	100	18	-	51	14	11	14	4	7	¥ 15,400*
M18 × 1	P3	TNMR018M1-L	1.5P	100	18	-	51	14	11	14	4	7	¥ 15,400*
M19 × 2	P4	TNMS019Q5-L	5P	105	33	-	50	15	12	15	4	8	¥ 16,400*
M19 × 2	P4	TNMS019Q1-L	1.5P	105	33	-	50	15	12	15	4	8	¥ 16,400*
M19 × 1.5	P3	TNMR019O5-L	5P	105	33	-	50	15	12	15	4	8	¥ 16,400*
M19 × 1.5	P3	TNMR019O1-L	1.5P	105	33	-	50	15	12	15	4	8	¥ 16,400*
M19 × 1	P3	TNMR019M5-L	5P	105	18	-	50	15	12	15	4	9	¥ 20,700*
M19 × 1	P3	TNMR019M1-L	1.5P	105	18	-	50	15	12	15	4	9	¥ 20,700*
M20 × 2.5	P4	TNMS020R5-L	5P	105	33	-	50	15	12	15	4	8	¥ 16,400
M20 × 2.5	P4	TNMS020R1-L	1.5P	105	33	-	50	15	12	15	4	8	¥ 16,400
M20 × 2	P4	TNMS020Q5-L	5P	105	33	-	50	15	12	15	4	8	¥ 16,400*
M20 × 2	P4	TNMS020Q1-L	1.5P	105	33	-	50	15	12	15	4	8	¥ 16,400*
M20 × 1.5	P3	TNMR020O5-L	5P	105	33	-	50	15	12	15	4	8	¥ 16,400
M20 × 1.5	P3	TNMR020O1-L	1.5P	105	33	-	50	15	12	15	4	8	¥ 16,400
M20 × 1	P3	TNMR020M5-L	5P	105	18	-	50	15	12	15	4	9	¥ 20,700*
M20 × 1	P3	TNMR020M1-L	1.5P	105	18	-	50	15	12	15	4	9	¥ 20,700*
M21 × 2	P4	TNMS021Q5-L	5P	115	33	-	55	17	13	16	4	8	¥ 21,000*
M21 × 2	P4	TNMS021Q1-L	1.5P	115	33	-	55	17	13	16	4	8	¥ 21,000*
M21 × 1.5	P3	TNMR021O5-L	5P	115	33	-	55	17	13	16	4	8	¥ 21,000*
M21 × 1.5	P3	TNMR021O1-L	1.5P	115	33	-	55	17	13	16	4	8	¥ 21,000*
M21 × 1	P3	TNMR021M5-L	5P	115	19	-	55	17	13	16	4	9	¥ 27,000*
M21 × 1	P3	TNMR021M1-L	1.5P	115	19	-	55	17	13	16	4	9	¥ 27,000*

\* = Specified Distribution Items. Made to order products.

# 4 Hand Tap Series

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

JIS

## HT LH Hand Taps for Left Hand Threads

Size	Class	Code	Chamfer	L (mm)	ℓ (mm)	ℓn (mm)	ℓs (mm)	Ds (mm)	K (mm)	ℓk (mm)	No. of flutes	TYPE	MSRP
M22 × 2.5	P4	TNMS022R5-L	5P	115	33	-	55	17	13	16	4	8	¥ 21,000 <sup>**</sup>
M22 × 2.5	P4	TNMS022R1-L	1.5P	115	33	-	55	17	13	16	4	8	¥ 21,000 <sup>**</sup>
M22 × 2	P4	TNMS022Q5-L	5P	115	33	-	55	17	13	16	4	8	¥ 21,000 <sup>**</sup>
M22 × 2	P4	TNMS022Q1-L	1.5P	115	33	-	55	17	13	16	4	8	¥ 21,000 <sup>**</sup>
M22 × 1.5	P3	TNMR022O5-L	5P	115	33	-	55	17	13	16	4	8	¥ 21,000 <sup>**</sup>
M22 × 1.5	P3	TNMR022O1-L	1.5P	115	33	-	55	17	13	16	4	8	¥ 21,000 <sup>**</sup>
M22 × 1	P3	TNMR022M5-L	5P	115	19	-	55	17	13	16	4	9	¥ 27,000 <sup>**</sup>
M22 × 1	P3	TNMR022M1-L	1.5P	115	19	-	55	17	13	16	4	9	¥ 27,000 <sup>**</sup>
M23 × 1.5	P3	TNMR023O5-L	5P	120	39	-	55	19	15	18	4	8	¥ 26,200 <sup>**</sup>
M23 × 1.5	P3	TNMR023O1-L	1.5P	120	39	-	55	19	15	18	4	8	¥ 26,200 <sup>**</sup>
M23 × 1	P3	TNMR023M5-L	5P	120	19	-	55	19	15	18	4	9	¥ 33,300 <sup>**</sup>
M23 × 1	P3	TNMR023M1-L	1.5P	120	19	-	55	19	15	18	4	9	¥ 33,300 <sup>**</sup>
M24 × 3	P4	TNMS024S5-L	5P	120	39	-	55	19	15	18	4	8	¥ 26,200
M24 × 3	P4	TNMS024S1-L	1.5P	120	39	-	55	19	15	18	4	8	¥ 26,200
M24 × 2	P4	TNMS024Q5-L	5P	120	39	-	55	19	15	18	4	8	¥ 26,200 <sup>**</sup>
M24 × 2	P4	TNMS024Q1-L	1.5P	120	39	-	55	19	15	18	4	8	¥ 26,200 <sup>**</sup>
M24 × 1.5	P3	TNMR024O5-L	5P	120	39	-	55	19	15	18	4	8	¥ 26,200 <sup>**</sup>
M24 × 1.5	P3	TNMR024O1-L	1.5P	120	39	-	55	19	15	18	4	8	¥ 26,200 <sup>**</sup>
M24 × 1	P3	TNMR024M5-L	5P	120	19	-	55	19	15	18	4	9	¥ 33,300 <sup>**</sup>
M24 × 1	P3	TNMR024M1-L	1.5P	120	19	-	55	19	15	18	4	9	¥ 33,300 <sup>**</sup>
M25 × 3	P4	TNMS025S5-L	5P	125	39	-	58	19	15	18	4	8	¥ 33,800 <sup>**</sup>
M25 × 3	P4	TNMS025S1-L	1.5P	125	39	-	58	19	15	18	4	8	¥ 33,800 <sup>**</sup>
M25 × 2	P4	TNMS025Q5-L	5P	125	39	-	58	19	15	18	4	8	¥ 33,800 <sup>**</sup>
M25 × 2	P4	TNMS025Q1-L	1.5P	125	39	-	58	19	15	18	4	8	¥ 33,800 <sup>**</sup>
M25 × 1.5	P3	TNMR025O5-L	5P	125	39	-	58	19	15	18	4	8	¥ 33,800 <sup>**</sup>
M25 × 1.5	P3	TNMR025O1-L	1.5P	125	39	-	58	19	15	18	4	8	¥ 33,800 <sup>**</sup>
M25 × 1	P3	TNMR025M5-L	5P	125	20	-	58	19	15	18	4	9	¥ 39,900 <sup>**</sup>
M25 × 1	P3	TNMR025M1-L	1.5P	125	20	-	58	19	15	18	4	9	¥ 39,900 <sup>**</sup>
M26 × 2	P4	TNMS026Q5-L	5P	130	39	-	60	20	15	18	4	8	¥ 36,300 <sup>**</sup>
M26 × 2	P4	TNMS026Q1-L	1.5P	130	39	-	60	20	15	18	4	8	¥ 36,300 <sup>**</sup>
M26 × 1.5	P3	TNMR026O5-L	5P	130	39	-	60	20	15	18	4	8	¥ 36,300 <sup>**</sup>
M26 × 1.5	P3	TNMR026O1-L	1.5P	130	39	-	60	20	15	18	4	8	¥ 36,300 <sup>**</sup>
M26 × 1	P3	TNMR026M5-L	5P	130	20	-	60	20	15	18	4	9	¥ 44,700 <sup>**</sup>
M26 × 1	P3	TNMR026M1-L	1.5P	130	20	-	60	20	15	18	4	9	¥ 44,700 <sup>**</sup>
M27 × 3	P4	TNMS027S5-L	5P	130	39	-	60	20	15	18	4	8	¥ 36,300 <sup>**</sup>
M27 × 3	P4	TNMS027S1-L	1.5P	130	39	-	60	20	15	18	4	8	¥ 36,300 <sup>**</sup>
M27 × 2	P5	TNMT027Q5-L	5P	130	39	-	60	20	15	18	4	8	¥ 36,300 <sup>**</sup>
M27 × 2	P5	TNMT027Q1-L	1.5P	130	39	-	60	20	15	18	4	8	¥ 36,300 <sup>**</sup>
M27 × 1.5	P3	TNMR027O5-L	5P	130	39	-	60	20	15	18	4	8	¥ 36,300 <sup>**</sup>
M27 × 1.5	P3	TNMR027O1-L	1.5P	130	39	-	60	20	15	18	4	8	¥ 36,300 <sup>**</sup>
M27 × 1	P3	TNMR027M5-L	5P	130	20	-	60	20	15	18	4	9	¥ 44,700 <sup>**</sup>
M27 × 1	P3	TNMR027M1-L	1.5P	130	20	-	60	20	15	18	4	9	¥ 44,700 <sup>**</sup>
M28 × 2	P4	TNMS028Q5-L	5P	135	46	-	62	23	17	20	4	8	¥ 46,100 <sup>**</sup>
M28 × 2	P4	TNMS028Q1-L	1.5P	135	46	-	62	23	17	20	4	8	¥ 46,100 <sup>**</sup>
M28 × 1.5	P3	TNMR028O5-L	5P	135	46	-	62	23	17	20	4	8	¥ 46,100 <sup>**</sup>
M28 × 1.5	P3	TNMR028O1-L	1.5P	135	46	-	62	23	17	20	4	8	¥ 46,100 <sup>**</sup>
M28 × 1	P3	TNMR028M5-L	5P	135	20	-	62	23	17	20	4	9	¥ 57,600 <sup>**</sup>
M28 × 1	P3	TNMR028M1-L	1.5P	135	20	-	62	23	17	20	4	9	¥ 57,600 <sup>**</sup>
M30 × 3.5	P4	TNMS030T5-L	5P	135	46	-	62	23	17	20	4	8	¥ 46,100
M30 × 3.5	P4	TNMS030T1-L	1.5P	135	46	-	62	23	17	20	4	8	¥ 46,100

- 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

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

### HT LH Hand Taps for Left Hand Threads

Size	Class	Code	Chamfer	L (mm)	ℓ (mm)	ℓn (mm)	ℓs (mm)	Ds (mm)	K (mm)	ℓk (mm)	No. of flutes	TYPE	MSRP
M30 × 3	P5	TNMT030S5-L	5P	135	46	-	62	23	17	20	4	8	¥ 46,100*
M30 × 3	P5	TNMT030S1-L	1.5P	135	46	-	62	23	17	20	4	8	¥ 46,100*
M30 × 2	P4	TNMS030Q5-L	5P	135	46	-	62	23	17	20	4	8	¥ 46,100*
M30 × 2	P4	TNMS030Q1-L	1.5P	135	46	-	62	23	17	20	4	8	¥ 46,100*
M30 × 1.5	P3	TNMR030O5-L	5P	135	46	-	62	23	17	20	4	8	¥ 46,100*
M30 × 1.5	P3	TNMR030O1-L	1.5P	135	46	-	62	23	17	20	4	8	¥ 46,100*
M30 × 1	P3	TNMR030M5-L	5P	135	21	-	62	23	17	20	4	9	¥ 57,600*
M30 × 1	P3	TNMR030M1-L	1.5P	135	21	-	62	23	17	20	4	9	¥ 57,600*
M32 × 2	P4	TNMS032Q5-L	5P	145	46	-	67	24	19	22	4	8	¥ 53,800*
M32 × 2	P4	TNMS032Q1-L	1.5P	145	46	-	67	24	19	22	4	8	¥ 53,800*
M32 × 1.5	P4	TNMS032O5-L	5P	145	46	-	67	24	19	22	4	8	¥ 53,800*
M32 × 1.5	P4	TNMS032O1-L	1.5P	145	46	-	67	24	19	22	4	8	¥ 53,800*
M33 × 3.5	P4	TNMS033T5-L	5P	145	46	-	67	25	19	22	4	8	¥ 53,800*
M33 × 3.5	P4	TNMS033T1-L	1.5P	145	46	-	67	25	19	22	4	8	¥ 53,800*
M33 × 3	P5	TNMT033S5-L	5P	145	46	-	67	25	19	22	4	8	¥ 53,800*
M33 × 3	P5	TNMT033S1-L	1.5P	145	46	-	67	25	19	22	4	8	¥ 53,800*
M33 × 2	P4	TNMS033Q5-L	5P	145	46	-	67	25	19	22	4	8	¥ 53,800*
M33 × 2	P4	TNMS033Q1-L	1.5P	145	46	-	67	25	19	22	4	8	¥ 53,800*
M33 × 1.5	P4	TNMS033O5-L	5P	145	46	-	67	25	19	22	4	8	¥ 53,800*
M33 × 1.5	P4	TNMS033O1-L	1.5P	145	46	-	67	25	19	22	4	8	¥ 53,800*
M34 × 2	P4	TNMS034Q5-L	5P	155	52	-	71	28	21	24	4	8	¥ 62,300*
M34 × 2	P4	TNMS034Q1-L	1.5P	155	52	-	71	28	21	24	4	8	¥ 62,300*
M34 × 1.5	P4	TNMS034O5-L	5P	155	26	-	71	28	21	24	4	9	¥ 62,300*
M34 × 1.5	P4	TNMS034O1-L	1.5P	155	26	-	71	28	21	24	4	9	¥ 62,300*
M35 × 2	P5	TNMT035Q5-L	5P	155	52	-	71	28	21	24	4	8	¥ 62,300*
M35 × 2	P5	TNMT035Q1-L	1.5P	155	52	-	71	28	21	24	4	8	¥ 62,300*
M35 × 1.5	P4	TNMS035O5-L	5P	155	26	-	71	28	21	24	4	9	¥ 62,300*
M35 × 1.5	P4	TNMS035O1-L	1.5P	155	26	-	71	28	21	24	4	9	¥ 62,300*
M36 × 4	P5	TNMT036U5-L	5P	155	52	-	71	28	21	24	4	8	¥ 62,300*
M36 × 4	P5	TNMT036U1-L	1.5P	155	52	-	71	28	21	24	4	8	¥ 62,300*
M36 × 3	P5	TNMT036S5-L	5P	155	52	-	71	28	21	24	4	8	¥ 62,300*
M36 × 3	P5	TNMT036S1-L	1.5P	155	52	-	71	28	21	24	4	8	¥ 62,300*
M36 × 2	P4	TNMS036Q5-L	5P	155	52	-	71	28	21	24	4	8	¥ 62,300*
M36 × 2	P4	TNMS036Q1-L	1.5P	155	52	-	71	28	21	24	4	8	¥ 62,300*
M36 × 1.5	P4	TNMS036O5-L	5P	155	26	-	71	28	21	24	4	9	¥ 62,300*
M36 × 1.5	P4	TNMS036O1-L	1.5P	155	26	-	71	28	21	24	4	9	¥ 62,300*
M38 × 2	P4	TNMS038Q5-L	5P	165	52	-	76	30	23	26	4	8	¥ 71,400*
M38 × 2	P4	TNMS038Q1-L	1.5P	165	52	-	76	30	23	26	4	8	¥ 71,400*
M38 × 1.5	P4	TNMS038O5-L	5P	165	26	-	76	30	23	26	4	9	¥ 71,400*
M38 × 1.5	P4	TNMS038O1-L	1.5P	165	26	-	76	30	23	26	4	9	¥ 71,400*
M39 × 4	P5	TNMT039U5-L	5P	165	52	-	76	30	23	26	4	8	¥ 71,400*
M39 × 4	P5	TNMT039U1-L	1.5P	165	52	-	76	30	23	26	4	8	¥ 71,400*
M39 × 3	P5	TNMT039S5-L	5P	165	52	-	76	30	23	26	4	8	¥ 71,400*
M39 × 3	P5	TNMT039S1-L	1.5P	165	52	-	76	30	23	26	4	8	¥ 71,400*
M39 × 2	P5	TNMT039Q5-L	5P	165	52	-	76	30	23	26	4	8	¥ 71,400*
M39 × 2	P5	TNMT039Q1-L	1.5P	165	52	-	76	30	23	26	4	8	¥ 71,400*
M39 × 1.5	P4	TNMS039O5-L	5P	165	26	-	76	30	23	26	4	9	¥ 71,400*
M39 × 1.5	P4	TNMS039O1-L	1.5P	165	26	-	76	30	23	26	4	9	¥ 71,400*
M40 × 3	P5	TNMT040S5-L	5P	175	59	-	81	32	26	30	4	8	¥ 86,800*
M40 × 3	P5	TNMT040S1-L	1.5P	175	59	-	81	32	26	30	4	8	¥ 86,800*
M40 × 2	P4	TNMS040Q5-L	5P	175	59	-	81	32	26	30	4	8	¥ 86,800*
M40 × 2	P4	TNMS040Q1-L	1.5P	175	59	-	81	32	26	30	4	8	¥ 86,800*

- 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/ Metal Surgical Instruments

# 4 Hand Tap Series

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

JIS

## HT LH Hand Taps for Left Hand Threads

- ① Spiral Fluted Taps (for blind hole)
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- ⑩ Dies
- ⑪ Center Drills (Centering Tools)
- ⑫ Precision Machinery/ Medical Surgical Instruments

Size	Class	Code	Chamfer	L (mm)	ℓ (mm)	ℓn (mm)	ℓs (mm)	Ds (mm)	K (mm)	ℓk (mm)	No. of flutes	TYPE	MSRP
M40 × 1.5	P4	TNMS04005-L	5P	175	27	-	81	32	26	30	4	9	¥ 86,800 <sup>**</sup>
M40 × 1.5	P4	TNMS04001-L	1.5P	175	27	-	81	32	26	30	4	9	¥ 86,800 <sup>**</sup>
M42 × 4.5	P5	TNMT042V5-L	5P	175	59	-	81	32	26	30	4	8	¥ 86,800 <sup>**</sup>
M42 × 4.5	P5	TNMT042V1-L	1.5P	175	59	-	81	32	26	30	4	8	¥ 86,800 <sup>**</sup>
M42 × 3	P5	TNMT042S5-L	5P	175	59	-	81	32	26	30	4	8	¥ 86,800 <sup>**</sup>
M42 × 3	P5	TNMT042S1-L	1.5P	175	59	-	81	32	26	30	4	8	¥ 86,800 <sup>**</sup>
M42 × 2	P4	TNMS042Q5-L	5P	175	59	-	81	32	26	30	4	8	¥ 86,800 <sup>**</sup>
M42 × 2	P4	TNMS042Q1-L	1.5P	175	59	-	81	32	26	30	4	8	¥ 86,800 <sup>**</sup>
M42 × 1.5	P4	TNMS042O5-L	5P	175	27	-	81	32	26	30	4	9	¥ 86,800 <sup>**</sup>
M42 × 1.5	P4	TNMS042O1-L	1.5P	175	27	-	81	32	26	30	4	9	¥ 86,800 <sup>**</sup>
M45 × 4.5	P5	TNMT045V5-L	5P	180	59	-	83	35	26	30	4	8	¥ 101,000 <sup>**</sup>
M45 × 4.5	P5	TNMT045V1-L	1.5P	180	59	-	83	35	26	30	4	8	¥ 101,000 <sup>**</sup>
M45 × 3	P5	TNMT045S5-L	5P	180	59	-	83	35	26	30	4	8	¥ 101,000 <sup>**</sup>
M45 × 3	P5	TNMT045S1-L	1.5P	180	59	-	83	35	26	30	4	8	¥ 101,000 <sup>**</sup>
M45 × 2	P4	TNMS045Q5-L	5P	180	59	-	83	35	26	30	4	8	¥ 101,000 <sup>**</sup>
M45 × 2	P4	TNMS045Q1-L	1.5P	180	59	-	83	35	26	30	4	8	¥ 101,000 <sup>**</sup>
M45 × 1.5	P4	TNMS045O5-L	5P	180	27	-	83	35	26	30	4	9	¥ 101,000 <sup>**</sup>
M45 × 1.5	P4	TNMS045O1-L	1.5P	180	27	-	83	35	26	30	4	9	¥ 101,000 <sup>**</sup>
M48 × 5	P5	TNMT048W5-L	5P	185	65	-	85	38	29	32	4	8	¥ 126,000 <sup>**</sup>
M48 × 5	P5	TNMT048W1-L	1.5P	185	65	-	85	38	29	32	4	8	¥ 126,000 <sup>**</sup>
M48 × 3	P6	TNMT048S5-L	5P	185	65	-	85	38	29	32	4	8	¥ 126,000 <sup>**</sup>
M48 × 3	P6	TNMT048S1-L	1.5P	185	65	-	85	38	29	32	4	8	¥ 126,000 <sup>**</sup>
M48 × 2	P4	TNMS048Q5-L	5P	185	65	-	85	38	29	32	4	8	¥ 126,000 <sup>**</sup>
M48 × 2	P4	TNMS048Q1-L	1.5P	185	65	-	85	38	29	32	4	8	¥ 126,000 <sup>**</sup>
M48 × 1.5	P4	TNMS048O5-L	5P	185	28	-	85	38	29	32	4	9	¥ 126,000 <sup>**</sup>
M48 × 1.5	P4	TNMS048O1-L	1.5P	185	28	-	85	38	29	32	4	9	¥ 126,000 <sup>**</sup>
M50 × 3	II	TH2050S5-L	5P	180	80	-	-	40	32	35	4	10	¥ 137,000 <sup>**</sup>
M50 × 3	II	TH2050S1-L	1.5P	180	80	-	-	40	32	35	4	10	¥ 137,000 <sup>**</sup>
M50 × 2	II	TH2050Q5-L	5P	130	45	-	-	40	32	35	4	10	¥ 137,000 <sup>**</sup>
M50 × 2	II	TH2050Q1-L	1.5P	130	45	-	-	40	32	35	4	10	¥ 137,000 <sup>**</sup>
M50 × 1.5	II	TH2050O5-L	5P	130	45	-	-	40	32	35	4	10	¥ 137,000 <sup>**</sup>
M50 × 1.5	II	TH2050O1-L	1.5P	130	45	-	-	40	32	35	4	10	¥ 137,000 <sup>**</sup>
For Unified Threads													
No.5-40UNC	P2	TNMQU05H5-L	5P	52	11	16	28	5	4	7	3	3	¥ 2,100 <sup>**</sup>
No.5-40UNC	P2	TNMQU05H1-L	1.5P	52	11	16	28	5	4	7	3	3	¥ 2,100 <sup>**</sup>
No.10-24UNC	P2	TNMQU05AM5-L	5P	60	13	22	32	5.5	4.5	7	4	3	¥ 2,120 <sup>**</sup>
No.10-24UNC	P2	TNMQU05AM1-L	1.5P	60	13	22	32	5.5	4.5	7	4	3	¥ 2,120 <sup>**</sup>
No.12-28UNF	P2	TNMQU05NCK5-L	5P	62	15	26	32	6	4.5	7	4	3	¥ 2,270 <sup>**</sup>
No.12-28UNF	P2	TNMQU05NCK1-L	1.5P	62	15	26	32	6	4.5	7	4	3	¥ 2,270 <sup>**</sup>
1/4-28UNF	P2	TNMQU04K5-L	5P	62	15	26	33	6	4.5	7	4	3	¥ 2,270 <sup>**</sup>
1/4-28UNF	P2	TNMQU04K1-L	1.5P	62	15	26	33	6	4.5	7	4	3	¥ 2,270 <sup>**</sup>
5/16-24UNF	P2	TNMQU05M5-L	5P	70	19	-	36	6.2	5	8	4	6	¥ 3,150 <sup>**</sup>
5/16-24UNF	P2	TNMQU05M1-L	1.5P	70	19	-	36	6.2	5	8	4	6	¥ 3,150 <sup>**</sup>
7/16-20UNF	P3	TNMRU07N5-L	5P	82	26	-	42	8.5	6.5	9	4	6	¥ 5,660 <sup>**</sup>
7/16-20UNF	P3	TNMRU07N1-L	1.5P	82	26	-	42	8.5	6.5	9	4	6	¥ 5,660 <sup>**</sup>
9/16-18UNF	P3	TNMRU09O5-L	5P	95	26	-	48	12.5	10	13	4	6	¥ 8,970 <sup>**</sup>
9/16-18UNF	P3	TNMRU09O1-L	1.5P	95	26	-	48	12.5	10	13	4	6	¥ 8,970 <sup>**</sup>
5/8-11UNC	P4	TNMSU10U5-L	5P	95	26	-	48	12.5	10	13	4	6	¥ 8,970 <sup>**</sup>
5/8-11UNC	P4	TNMSU10U1-L	1.5P	95	26	-	48	12.5	10	13	4	6	¥ 8,970 <sup>**</sup>
5/8-18UNF	P3	TNMRU10O5-L	5P	95	26	-	48	12.5	10	13	4	6	¥ 8,970 <sup>**</sup>
5/8-18UNF	P3	TNMRU10O1-L	1.5P	95	26	-	48	12.5	10	13	4	6	¥ 8,970 <sup>**</sup>

Think threads with **YAMAWA**

<sup>\*\*</sup> = 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

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## HT LH Hand Taps for Left Hand Threads

Size	Class	Code	Chamfer	L (mm)	ℓ (mm)	ℓn (mm)	ℓs (mm)	Ds (mm)	K (mm)	ℓk (mm)	No. of flutes	TYPE	MSRP
3/4-16UNF	P3	TNMRU12P5-L	5P	105	33	-	50	15	12	15	4	8	¥ 16,400*
7/8-9UNC	P4	TNMSU14W5-L	5P	115	33	-	55	17	13	16	4	8	¥ 23,200*
7/8-9UNC	P4	TNMSU14W1-L	1.5P	115	33	-	55	17	13	16	4	8	¥ 23,200*
1-8UNC	P4	TNMSU16X5-L	5P	125	39	-	58	19	15	18	4	8	¥ 33,800*
1-8UNC	P4	TNMSU16X1-L	1.5P	125	39	-	58	19	15	18	4	8	¥ 33,800*
1-12UNF	P4	TNMSU16S5-L	5P	125	39	-	58	19	15	18	4	8	¥ 33,800*
1-12UNF	P4	TNMSU16S1-L	1.5P	125	39	-	58	19	15	18	4	8	¥ 33,800*
For Whitworth Threads													
1/8W40	P2	TNMQW02H5-L	5P	52	11	16	28	5	4	7	3	3	¥ 2,600*
1/8W40	P2	TNMQW02H1-L	1.5P	52	11	16	28	5	4	7	3	3	¥ 2,600*
3/16W24	P3	TNMRW03M5-L	5P	60	13	21	32	5.5	4.5	7	4	3	¥ 2,120*
3/16W24	P3	TNMRW03M1-L	1.5P	60	13	21	32	5.5	4.5	7	4	3	¥ 2,120*
1/4W20	P3	TNMRW04N5-L	5P	62	15	26	33	6	4.5	7	4	3	¥ 2,270*
1/4W20	P3	TNMRW04N1-L	1.5P	62	15	26	33	6	4.5	7	4	3	¥ 2,270*
5/16W18	P3	TNMRW05O5-L	5P	70	19	-	36	6.2	5	8	4	6	¥ 3,150*
5/16W18	P3	TNMRW05O1-L	1.5P	70	19	-	36	6.2	5	8	4	6	¥ 3,150*
3/8W16	P3	TNMRW06P5-L	5P	75	23	-	38	7	5.5	8	4	6	¥ 4,040*
3/8W16	P3	TNMRW06P1-L	1.5P	75	23	-	38	7	5.5	8	4	6	¥ 4,040*
7/16W14	P4	TNMSW07Q5-L	5P	82	26	-	42	8.5	6.5	9	4	6	¥ 5,660*
7/16W14	P4	TNMSW07Q1-L	1.5P	82	26	-	42	8.5	6.5	9	4	6	¥ 5,660*
1/2W12	P4	TNMSW08S5-L	5P	88	26	-	45	10.5	8	11	4	6	¥ 6,000*
1/2W12	P4	TNMSW08S1-L	1.5P	88	26	-	45	10.5	8	11	4	6	¥ 6,000*
9/16W12	P4	TNMSW09S5-L	5P	95	26	-	48	12.5	10	13	4	6	¥ 8,970*
9/16W12	P4	TNMSW09S1-L	1.5P	95	26	-	48	12.5	10	13	4	6	¥ 8,970*
5/8W11	P4	TNMSW10U5-L	5P	95	26	-	48	12.5	10	13	4	6	¥ 8,970*
5/8W11	P4	TNMSW10U1-L	1.5P	95	26	-	48	12.5	10	13	4	6	¥ 8,970*
3/4W10	P4	TNMSW12V5-L	5P	105	33	-	50	15	12	15	4	8	¥ 16,400*
3/4W10	P4	TNMSW12V1-L	1.5P	105	33	-	50	15	12	15	4	8	¥ 16,400*
7/8W9	P5	TNMTW14W5-L	5P	115	33	-	55	17	13	16	4	8	¥ 23,200*
7/8W9	P5	TNMTW14W1-L	1.5P	115	33	-	55	17	13	16	4	8	¥ 23,200*
1 W8	P5	TNMTW16X5-L	5P	125	39	-	58	19	15	18	4	8	¥ 33,800*
1 W8	P5	TNMTW16X1-L	1.5P	125	39	-	58	19	15	18	4	8	¥ 33,800*
1 1/8W7	P5	TNMTW18Y5-L	5P	135	46	-	62	23	17	20	4	8	¥ 46,100*
1 1/8W7	P5	TNMTW18Y1-L	1.5P	135	46	-	62	23	17	20	4	8	¥ 46,100*

Spiral Fluted Taps  
(for blind hole)Spiral Fluted Taps  
(for through hole)Spiral Pointed Taps  
(for through hole)

Hand Taps

Cemented Carbide Taps

Roll Taps

Special Thread Taps  
Simple Inspection Tools

Pipe Taps

Thread Mills  
Premium Thread Mills

Dies

Center Drills  
Centering ToolsPrecision Machinery/  
Metal/Surgical Instruments

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※ = Specified Distribution Items. Made to order products.

Think threads with  
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