

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

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

JIS ④-5



HT Hand Taps



Specification



Tapping Speeds depending on Materials

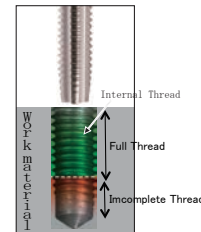
Low carbon steels 低炭素鋼	Medium carbon steels 中炭素鋼	High carbon steels 高炭素鋼
5~10 (m/min)	5~10 (m/min)	5~10 (m/min)

Product Features

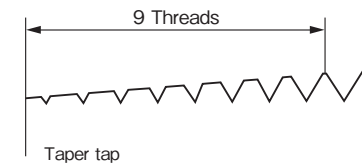
- Suitable for workpiece materials where the chips are powdery or where the chips are produced as a small curl.
- The cutting edge strength is high.
- It is easy to sharpen.

Working part of the cutting chamfer

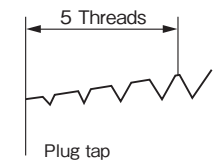
- The tap cuts an internal thread with the chamfer section.
- The chamfer section is tapered towards the tip to facilitate cutting into a prepared hole.
- Since the cutting chamfer portion of the tap has incomplete threads, the tapped internal threads also have imperfect threads as shown on the right.
(Please be aware that the component will not have perfect threads unless all of the chamfer portion is passed through the designated thread length.)



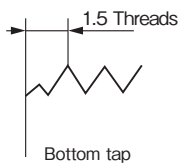
Difference in length of chamfer portion.



The cutting chamfer length of the taper tap is 9 threads long. The taper tap is used first because the long chamfer gradually cuts the full thread height easily with a small metal removal per thread pitch. However, in blind holes, the nine thread chamfer portion leaves a large number of incomplete threads that must be removed with a different tap. When tapping a through hole the full cutting chamfer length can be fed through the hole to complete all the threads.



The cutting chamfer length of a plug (middle) tap is 5 threads long. The plug (middle) tap is used after a taper tap to lengthen the number of full threads in a blind hole. The plug (middle) tap will produce 5 incomplete threads. When tapping a blind hole, the taps are used in the order of a taper tap → a plug (middle) tap and → a bottom tap. The plug tap is used after the taper tap and before the bottom tap. The plug tap can be used as a starter tap if necessary.



The cutting chamfer length of a bottom tap is 1.5 threads long. The bottom tap is used after the plug (middle) tap to lengthen the number of full threads in a blind hole. The bottom tap is difficult to use manually to start the thread cutting process. The bottom tap can create full threads to within 1.5 threads of the bottom of a blind hole.

In the past, it was common for hand taps to be used manually in sets of three chamfer lengths (taper, plug (middle) and bottom) for the same diameter and pitch thread. Today, most methods of thread processing on tapping machines, drilling machines, CNC machines and special machines allow for the use of just one type of tap chamfer length to be used that best suits the components requirements. This saves time while producing quality threads with just one tap. Therefore, due to the decrease in demands for the taper tap, YAMAWA stopped production of taper taps in March 2013.

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

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

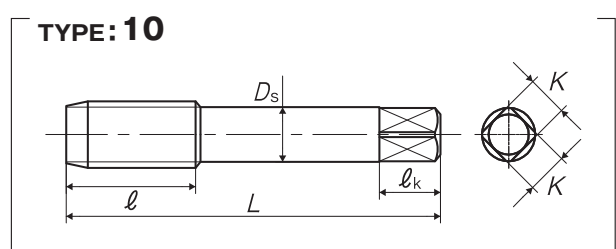
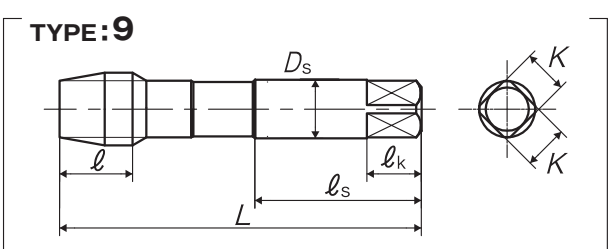
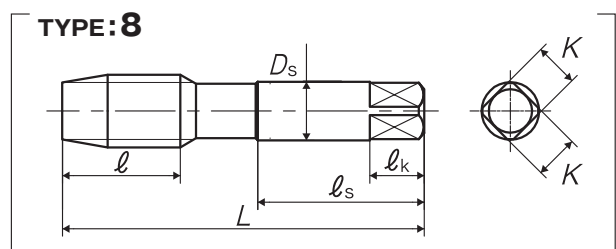
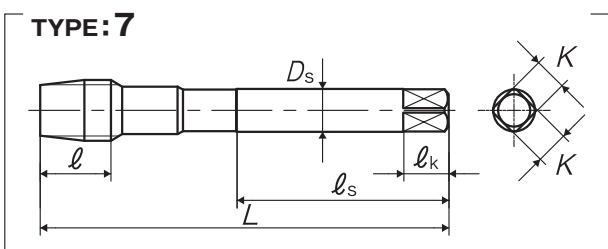
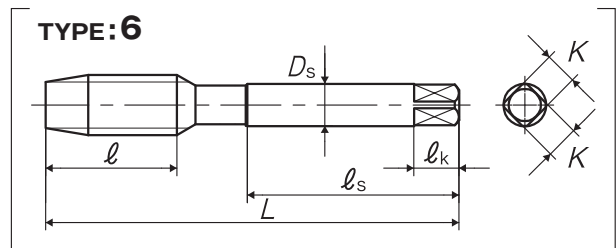
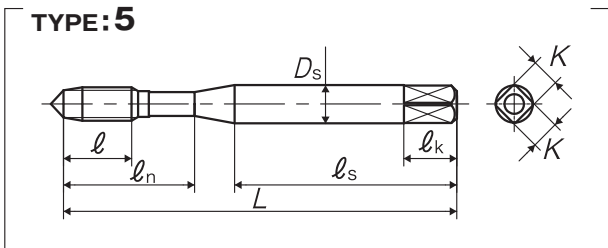
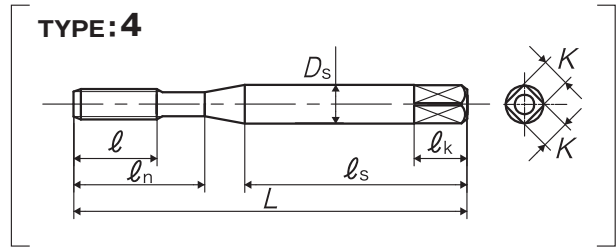
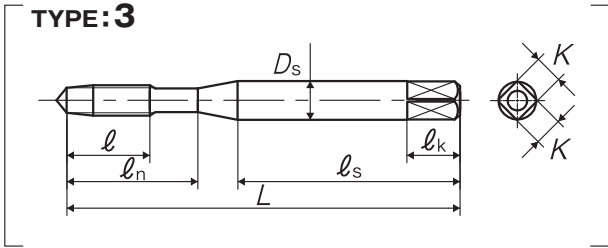
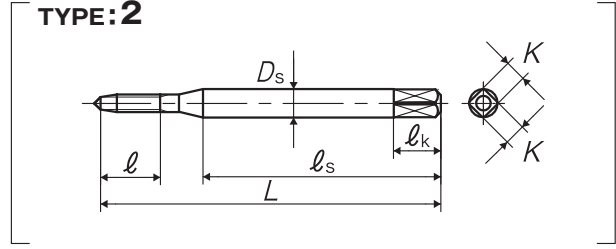
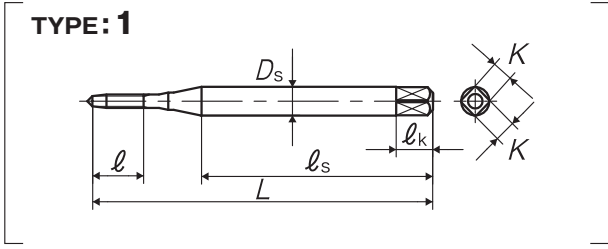
Pipe Taps ⑧

Thread Mills
Premium Thread Mills ⑨

Dies ⑩

Center Drills
Centering Tools ⑪

Precision Machinery/
Metal Surgical Instruments ⑫



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 Hand Taps

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	5P	36	4.5	-	24	3	2.5	5	3	1	¥ 3,420
M1 × 0.25	P1	TNMP1.0B1	1.5P	36	4.5	-	24	3	2.5	5	3	1	¥ 3,420
M1 × 0.2	P1	TNMP1.0A5	5P	36	3.6	-	24	3	2.5	5	3	1	¥ 4,760 ※
M1 × 0.2	P1	TNMP1.0A1	1.5P	36	3.6	-	24	3	2.5	5	3	1	¥ 4,760 ※
M1.1 × 0.25	P1	TNMP1.1B5	5P	36	4.5	-	24	3	2.5	5	3	1	¥ 3,420
M1.1 × 0.25	P1	TNMP1.1B1	1.5P	36	4.5	-	24	3	2.5	5	3	1	¥ 3,420
M1.1 × 0.2	P1	TNMP1.1A5	5P	36	3.6	-	24	3	2.5	5	3	1	¥ 4,760 ※
M1.1 × 0.2	P1	TNMP1.1A1	1.5P	36	3.6	-	24	3	2.5	5	3	1	¥ 4,760 ※
M1.2 × 0.25	P1	TNMP1.2B5	5P	36	4.5	-	24	3	2.5	5	3	1	¥ 3,420
M1.2 × 0.25	P1	TNMP1.2B1	1.5P	36	4.5	-	24	3	2.5	5	3	1	¥ 3,420
M1.2 × 0.25	P3	TNMR1.2B5	5P	36	4.5	-	24	3	2.5	5	3	1	¥ 3,420 ※
M1.2 × 0.25	P3	TNMR1.2B1	1.5P	36	4.5	-	24	3	2.5	5	3	1	¥ 3,420 ※
M1.2 × 0.2	P1	TNMP1.2A5	5P	36	3.6	-	24	3	2.5	5	3	1	¥ 4,760 ※
M1.2 × 0.2	P1	TNMP1.2A1	1.5P	36	3.6	-	24	3	2.5	5	3	1	¥ 4,760 ※
M1.4 × 0.3	P1	TNMP1.4C5	5P	36	5.4	-	24	3	2.5	5	3	1	¥ 2,800
M1.4 × 0.3	P1	TNMP1.4C1	1.5P	36	5.4	-	24	3	2.5	5	3	1	¥ 2,800
M1.4 × 0.3	P3	TNMR1.4C5	5P	36	5.4	-	24	3	2.5	5	3	1	¥ 2,800 ※
M1.4 × 0.3	P3	TNMR1.4C1	1.5P	36	5.4	-	24	3	2.5	5	3	1	¥ 2,800 ※
M1.4 × 0.2	P1	TNMP1.4A5	5P	36	3.6	-	24	3	2.5	5	3	1	¥ 4,200 ※
M1.4 × 0.2	P1	TNMP1.4A1	1.5P	36	3.6	-	24	3	2.5	5	3	1	¥ 4,200 ※
M1.6 × 0.35	P2	TNMQ1.6D5	5P	36	6.3	-	24	3	2.5	5	3	2	¥ 2,670
M1.6 × 0.35	P2	TNMQ1.6D1	1.5P	36	6.3	-	24	3	2.5	5	3	2	¥ 2,670
M1.6 × 0.2	P1	TNMP1.6A5	5P	36	3.6	-	24	3	2.5	5	3	2	¥ 3,900 ※
M1.6 × 0.2	P1	TNMP1.6A1	1.5P	36	3.6	-	24	3	2.5	5	3	2	¥ 3,900 ※
M1.7 × 0.35	P1	TNMP1.7D5	5P	36	6.3	-	24	3	2.5	5	3	2	¥ 2,670
M1.7 × 0.35	P1	TNMP1.7D1	1.5P	36	6.3	-	24	3	2.5	5	3	2	¥ 2,670
M1.7 × 0.35	P3	TNMR1.7D5	5P	36	6.3	-	24	3	2.5	5	3	2	¥ 2,670 ※
M1.7 × 0.35	P3	TNMR1.7D1	1.5P	36	6.3	-	24	3	2.5	5	3	2	¥ 2,670 ※
M1.7 × 0.2	P1	TNMP1.7A5	5P	36	3.6	-	24	3	2.5	5	3	2	¥ 3,900 ※
M1.7 × 0.2	P1	TNMP1.7A1	1.5P	36	3.6	-	24	3	2.5	5	3	2	¥ 3,900 ※
M1.8 × 0.35	P2	TNMQ1.8D5	5P	42	6.3	-	27	3	2.5	5	3	2	¥ 2,670
M1.8 × 0.35	P2	TNMQ1.8D1	1.5P	42	6.3	-	27	3	2.5	5	3	2	¥ 2,670
M1.8 × 0.2	P1	TNMP1.8A5	5P	42	3.6	-	27	3	2.5	5	3	2	¥ 3,900 ※
M1.8 × 0.2	P1	TNMP1.8A1	1.5P	42	3.6	-	27	3	2.5	5	3	2	¥ 3,900 ※
M2 × 0.4	P1	TNMP2.0E5	5P	42	7.2	12	27	3	2.5	5	3	3	¥ 2,140
M2 × 0.4	P1	TNMP2.0E1	1.5P	42	7.2	12	27	3	2.5	5	3	3	¥ 2,140
M2 × 0.4	P3	TNMR2.0E5	5P	42	7.2	12	27	3	2.5	5	3	3	¥ 2,140
M2 × 0.4	P3	TNMR2.0E1	1.5P	42	7.2	12	27	3	2.5	5	3	3	¥ 2,140
M2 × 0.4	P4	TNMS2.0E5	5P	42	7.2	12	27	3	2.5	5	3	3	¥ 2,140 ※
M2 × 0.4	P4	TNMS2.0E1	1.5P	42	7.2	12	27	3	2.5	5	3	3	¥ 2,140 ※
M2 × 0.25	P1	TNMP2.0B5	5P	42	4.5	12	27	3	2.5	5	3	5	¥ 3,280
M2 × 0.25	P1	TNMP2.0B1	1.5P	42	4.5	12	27	3	2.5	5	3	5	¥ 3,280
M2.2 × 0.45	P2	TNMQ2.2F5	5P	42	8.1	12	27	3	2.5	5	3	3	¥ 1,940
M2.2 × 0.45	P2	TNMQ2.2F1	1.5P	42	8.1	12	27	3	2.5	5	3	3	¥ 1,940
M2.2 × 0.25	P1	TNMP2.2B5	5P	42	4.5	12	27	3	2.5	5	3	5	¥ 3,280 ※
M2.2 × 0.25	P1	TNMP2.2B1	1.5P	42	4.5	12	27	3	2.5	5	3	5	¥ 3,280 ※
M2.3 × 0.4	P1	TNMP2.3E5	5P	42	7.2	12	27	3	2.5	5	3	3	¥ 1,940
M2.3 × 0.4	P1	TNMP2.3E1	1.5P	42	7.2	12	27	3	2.5	5	3	3	¥ 1,940

- 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



※ = 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 Hand Taps

Size	Class	Code	Chamfer	L (mm)	ℓ (mm)	ℓn (mm)	ℓs (mm)	Ds (mm)	K (mm)	ℓk (mm)	No. of flutes	TYPE	MSRP
M2.3 × 0.4	P3	TNMR2.3E5	5P	42	7.2	12	27	3	2.5	5	3	3	¥ 1,940*
M2.3 × 0.4	P3	TNMR2.3E1	1.5P	42	7.2	12	27	3	2.5	5	3	3	¥ 1,940*
M2.3 × 0.4	P4	TNMS2.3E5	5P	42	7.2	12	27	3	2.5	5	3	3	¥ 1,940*
M2.3 × 0.4	P4	TNMS2.3E1	1.5P	42	7.2	12	27	3	2.5	5	3	3	¥ 1,940*
M2.3 × 0.25	P1	TNMP2.3B5	5P	42	4.5	12	27	3	2.5	5	3	5	¥ 3,280*
M2.3 × 0.25	P1	TNMP2.3B1	1.5P	42	4.5	12	27	3	2.5	5	3	5	¥ 3,280*
M2.5 × 0.45	P2	TNMQ2.5F5	5P	46	8.1	14	29	3	2.5	5	3	3	¥ 1,640
M2.5 × 0.45	P2	TNMQ2.5F1	1.5P	46	8.1	14	29	3	2.5	5	3	3	¥ 1,640
M2.5 × 0.45	P3	TNMR2.5F5	5P	46	8.1	14	29	3	2.5	5	3	3	¥ 1,640
M2.5 × 0.45	P3	TNMR2.5F1	1.5P	46	8.1	14	29	3	2.5	5	3	3	¥ 1,640
M2.5 × 0.45	P4	TNMS2.5F5	5P	46	8.1	14	29	3	2.5	5	3	3	¥ 1,640*
M2.5 × 0.45	P4	TNMS2.5F1	1.5P	46	8.1	14	29	3	2.5	5	3	3	¥ 1,640*
M2.5 × 0.35	P2	TNMQ2.5D5	5P	46	6.3	14	29	3	2.5	5	3	5	¥ 2,410*
M2.5 × 0.35	P2	TNMQ2.5D1	1.5P	46	6.3	14	29	3	2.5	5	3	5	¥ 2,410*
M2.6 × 0.45	P1	TNMP2.6F5	5P	46	8.1	14	29	3	2.5	5	3	3	¥ 1,640
M2.6 × 0.45	P1	TNMP2.6F1	1.5P	46	8.1	14	29	3	2.5	5	3	3	¥ 1,640
M2.6 × 0.45	P3	TNMR2.6F5	5P	46	8.1	14	29	3	2.5	5	3	3	¥ 1,640
M2.6 × 0.45	P3	TNMR2.6F1	1.5P	46	8.1	14	29	3	2.5	5	3	3	¥ 1,640
M2.6 × 0.45	P4	TNMS2.6F5	5P	46	8.1	14	29	3	2.5	5	3	3	¥ 1,640*
M2.6 × 0.45	P4	TNMS2.6F1	1.5P	46	8.1	14	29	3	2.5	5	3	3	¥ 1,640*
M2.6 × 0.35	P2	TNMQ2.6D5	5P	46	6.3	14	29	3	2.5	5	3	5	¥ 2,410*
M2.6 × 0.35	P2	TNMQ2.6D1	1.5P	46	6.3	14	29	3	2.5	5	3	5	¥ 2,410*
M3 × 0.5	P2	TNMQ3.0G5	5P	46	9	14	26	4	3.2	6	3	3	¥ 1,150
M3 × 0.5	P2	TNMQ3.0G1	1.5P	46	9	14	26	4	3.2	6	3	3	¥ 1,150
M3 × 0.5	P3	TNMR3.0G5	5P	46	9	14	26	4	3.2	6	3	3	¥ 1,150
M3 × 0.5	P3	TNMR3.0G1	1.5P	46	9	14	26	4	3.2	6	3	3	¥ 1,150
M3 × 0.5	P4	TNMS3.0G5	5P	46	9	14	26	4	3.2	6	3	3	¥ 1,150*
M3 × 0.5	P4	TNMS3.0G1	1.5P	46	9	14	26	4	3.2	6	3	3	¥ 1,150*
M3 × 0.5	P5	TNMT3.0G5	5P	46	9	14	26	4	3.2	6	3	3	¥ 1,150*
M3 × 0.5	P5	TNMT3.0G1	1.5P	46	9	14	26	4	3.2	6	3	3	¥ 1,150*
3M0.6	P2	TNMQ3.0H5	5P	46	9	14	26	4	3.2	6	3	3	¥ 1,150
3M0.6	P2	TNMQ3.0H1	1.5P	46	9	14	26	4	3.2	6	3	3	¥ 1,150
M3 × 0.35	P2	TNMQ3.0D5	5P	46	6.5	14	26	4	3.2	6	3	5	¥ 1,950
M3 × 0.35	P2	TNMQ3.0D1	1.5P	46	6.5	14	26	4	3.2	6	3	5	¥ 1,950
M3.5 × 0.6	P2	TNMQ3.5H5	5P	52	11	16	29	5	4	7	3	3	¥ 1,150
M3.5 × 0.6	P2	TNMQ3.5H1	1.5P	52	11	16	29	5	4	7	3	3	¥ 1,150
M3.5 × 0.6	P3	TNMR3.5H5	5P	52	11	16	29	5	4	7	3	3	¥ 1,150*
M3.5 × 0.6	P3	TNMR3.5H1	1.5P	52	11	16	29	5	4	7	3	3	¥ 1,150*
M3.5 × 0.6	P4	TNMS3.5H5	5P	52	11	16	29	5	4	7	3	3	¥ 1,150*
M3.5 × 0.6	P4	TNMS3.5H1	1.5P	52	11	16	29	5	4	7	3	3	¥ 1,150*
M3.5 × 0.35	P2	TNMQ3.5D5	5P	52	6.5	16	29	5	4	7	3	5	¥ 1,950
M3.5 × 0.35	P2	TNMQ3.5D1	1.5P	52	6.5	16	29	5	4	7	3	5	¥ 1,950
M4 × 0.7	P2	TNMQ4.0I5	5P	52	11	17	29	5	4	7	3	3	¥ 1,150
M4 × 0.7	P2	TNMQ4.0I1	1.5P	52	11	17	29	5	4	7	3	3	¥ 1,150
M4 × 0.7	P3	TNMR4.0I53	5P	52	11	17	29	5	4	7	3	3	¥ 1,150
M4 × 0.7	P3	TNMR4.0I13	1.5P	52	11	17	29	5	4	7	3	3	¥ 1,150
M4 × 0.7	P4	TNMS4.0I53	5P	52	11	17	29	5	4	7	3	3	¥ 1,150*
M4 × 0.7	P4	TNMS4.0I13	1.5P	52	11	17	29	5	4	7	3	3	¥ 1,150*
M4 × 0.7	P5	TNMT4.0I53	5P	52	11	17	29	5	4	7	3	3	¥ 1,150*
M4 × 0.7	P5	TNMT4.0I13	1.5P	52	11	17	29	5	4	7	3	3	¥ 1,150*

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 Hand Taps

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

Size	Class	Code	Chamfer	L (mm)	ℓ (mm)	ℓn (mm)	ℓs (mm)	Ds (mm)	K (mm)	ℓk (mm)	No. of flutes	TYPE	MSRP
4M0.75	P2	TNMQ4.0J53	5P	52	11	17	29	5	4	7	3	3	¥ 1,150
4M0.75	P2	TNMQ4.0J13	1.5P	52	11	17	29	5	4	7	3	3	¥ 1,150
M4 × 0.5	P2	TNMQ4.0G5	5P	52	9	17	29	5	4	7	4	5	¥ 1,680
M4 × 0.5	P2	TNMQ4.0G1	1.5P	52	9	17	29	5	4	7	4	5	¥ 1,680
M4.5 × 0.75	P2	TNMQ4.5J53	5P	60	13	21	33	5.5	4.5	7	3	3	¥ 1,160
M4.5 × 0.75	P2	TNMQ4.5J13	1.5P	60	13	21	33	5.5	4.5	7	3	3	¥ 1,160
M4.5 × 0.5	P2	TNMQ4.5G5	5P	60	9	21	33	5.5	4.5	7	4	5	¥ 1,680*
M4.5 × 0.5	P2	TNMQ4.5G1	1.5P	60	9	21	33	5.5	4.5	7	4	5	¥ 1,680*
M5 × 0.8	P3	TNMR5.0K5	5P	60	13	22	33	5.5	4.5	7	3	3	¥ 1,160
M5 × 0.8	P3	TNMR5.0K1	1.5P	60	13	22	33	5.5	4.5	7	3	3	¥ 1,160
M5 × 0.8	P3	TNMR5.0K1F	1.5P	60	13	22	33	5.5	4.5	7	3	4	¥ 1,160
M5 × 0.8	P4	TNMS5.0K53	5P	60	13	22	33	5.5	4.5	7	3	3	¥ 1,160*
M5 × 0.8	P4	TNMS5.0K13	1.5P	60	13	22	33	5.5	4.5	7	3	3	¥ 1,160*
M5 × 0.8	P4	TNMS5.0K13F	1.5P	60	13	22	33	5.5	4.5	7	3	4	¥ 1,160*
M5 × 0.8	P5	TNMT5.0K53	5P	60	13	22	33	5.5	4.5	7	3	3	¥ 1,160*
M5 × 0.8	P5	TNMT5.0K13	1.5P	60	13	22	33	5.5	4.5	7	3	3	¥ 1,160*
5M0.9	P2	TNMQ5.0L53	5P	60	13	22	33	5.5	4.5	7	3	3	¥ 1,160
5M0.9	P2	TNMQ5.0L13	1.5P	60	13	22	33	5.5	4.5	7	3	3	¥ 1,160
M5 × 0.75	P2	TNMQ5.0J5	5P	60	13	22	33	5.5	4.5	7	4	3	¥ 1,680*
M5 × 0.75	P2	TNMQ5.0J1	1.5P	60	13	22	33	5.5	4.5	7	4	3	¥ 1,680*
M5 × 0.5	P2	TNMQ5.0G5	5P	60	9	22	33	5.5	4.5	7	4	5	¥ 1,680
M5 × 0.5	P2	TNMQ5.0G1	1.5P	60	9	22	33	5.5	4.5	7	4	5	¥ 1,680
M5 × 0.5	P3	TNMR5.0G5	5P	60	9	22	33	5.5	4.5	7	4	5	¥ 1,680*
M5 × 0.5	P3	TNMR5.0G1	1.5P	60	9	22	33	5.5	4.5	7	4	5	¥ 1,680*
M5.5 × 0.9	P2	TNMQ5.5L5	5P	62	15	26	33	6	4.5	7	4	3	¥ 1,270*
M5.5 × 0.9	P2	TNMQ5.5L1	1.5P	62	15	26	33	6	4.5	7	4	3	¥ 1,270*
M5.5 × 0.75	P2	TNMQ5.5J5	5P	62	15	26	33	6	4.5	7	4	3	¥ 1,790*
M5.5 × 0.75	P2	TNMQ5.5J1	1.5P	62	15	26	33	6	4.5	7	4	3	¥ 1,790*
M5.5 × 0.5	P2	TNMQ5.5G5	5P	62	9	26	33	6	4.5	7	4	5	¥ 1,790*
M5.5 × 0.5	P2	TNMQ5.5G1	1.5P	62	9	26	33	6	4.5	7	4	5	¥ 1,790*
M6 × 1	P2	TNMQ6.0M5	5P	62	15	26	33	6	4.5	7	3	3	¥ 1,270
M6 × 1	P2	TNMQ6.0M1	1.5P	62	15	26	33	6	4.5	7	3	3	¥ 1,270
M6 × 1	P2	TNMQ6.0M1F	1.5P	62	15	26	33	6	4.5	7	3	4	¥ 1,270
M6 × 1	P3	TNMR6.0M53	5P	62	15	26	33	6	4.5	7	3	3	¥ 1,270
M6 × 1	P3	TNMR6.0M13	1.5P	62	15	26	33	6	4.5	7	3	3	¥ 1,270
M6 × 1	P3	TNMR6.0M13F	1.5P	62	15	26	33	6	4.5	7	3	4	¥ 1,270
M6 × 1	P4	TNMS6.0M53	5P	62	15	26	33	6	4.5	7	3	3	¥ 1,270
M6 × 1	P4	TNMS6.0M13	1.5P	62	15	26	33	6	4.5	7	3	3	¥ 1,270
M6 × 1	P4	TNMS6.0M13F	1.5P	62	15	26	33	6	4.5	7	3	4	¥ 1,270
M6 × 1	P5	TNMT6.0M53	5P	62	15	26	33	6	4.5	7	3	3	¥ 1,270*
M6 × 1	P5	TNMT6.0M13	1.5P	62	15	26	33	6	4.5	7	3	3	¥ 1,270*
M6 × 0.75	P2	TNMQ6.0J5	5P	62	15	26	33	6	4.5	7	4	3	¥ 1,790
M6 × 0.75	P2	TNMQ6.0J1	1.5P	62	15	26	33	6	4.5	7	4	3	¥ 1,790
M6 × 0.75	P3	TNMR6.0J5	5P	62	15	26	33	6	4.5	7	4	3	¥ 1,790*
M6 × 0.75	P3	TNMR6.0J1	1.5P	62	15	26	33	6	4.5	7	4	3	¥ 1,790*
M6 × 0.75	P4	TNMS6.0J5	5P	62	15	26	33	6	4.5	7	4	3	¥ 1,790*
M6 × 0.75	P4	TNMS6.0J1	1.5P	62	15	26	33	6	4.5	7	4	3	¥ 1,790*
M6 × 0.5	P2	TNMQ6.0G5	5P	62	9	26	33	6	4.5	7	4	5	¥ 1,790
M6 × 0.5	P2	TNMQ6.0G1	1.5P	62	9	26	33	6	4.5	7	4	5	¥ 1,790

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

HT Hand Taps

Size	Class	Code	Chamfer	L (mm)	ℓ (mm)	ℓn (mm)	ℓs (mm)	Ds (mm)	K (mm)	ℓk (mm)	No. of flutes	TYPE	MSRP
M6.5 × 0.5	P2	TNMQ6.5G5	5P	70	10	-	36	6.2	5	8	4	7	¥ 2,800*
M6.5 × 0.5	P2	TNMQ6.5G1	1.5P	70	10	-	36	6.2	5	8	4	7	¥ 2,800*
M7 × 1	P2	TNMQ7.0M5T	5P	70	19	-	36	6.2	5	8	3	6	¥ 1,520*
M7 × 1	P2	TNMQ7.0M1T	1.5P	70	19	-	36	6.2	5	8	3	6	¥ 1,520*
M7 × 1	P2	TNMQ7.0M5	5P	70	19	-	36	6.2	5	8	4	6	¥ 1,520
M7 × 1	P2	TNMQ7.0M1	1.5P	70	19	-	36	6.2	5	8	4	6	¥ 1,520
M7 × 1	P3	TNMR7.0M5	5P	70	19	-	36	6.2	5	8	4	6	¥ 1,520*
M7 × 1	P3	TNMR7.0M1	1.5P	70	19	-	36	6.2	5	8	4	6	¥ 1,520*
M7 × 1	P4	TNMS7.0M5	5P	70	19	-	36	6.2	5	8	4	6	¥ 1,520*
M7 × 1	P4	TNMS7.0M1	1.5P	70	19	-	36	6.2	5	8	4	6	¥ 1,520*
M7 × 0.75	P2	TNMQ7.0J5	5P	70	19	-	36	6.2	5	8	4	6	¥ 2,250
M7 × 0.75	P2	TNMQ7.0J1	1.5P	70	19	-	36	6.2	5	8	4	6	¥ 2,250
M7 × 0.5	P2	TNMQ7.0G5	5P	70	10	-	36	6.2	5	8	4	7	¥ 2,800*
M7 × 0.5	P2	TNMQ7.0G1	1.5P	70	10	-	36	6.2	5	8	4	7	¥ 2,800*
M7.5 × 0.5	P2	TNMQ7.5G5	5P	70	10	-	36	6.2	5	8	4	7	¥ 2,800*
M7.5 × 0.5	P2	TNMQ7.5G1	1.5P	70	10	-	36	6.2	5	8	4	7	¥ 2,800*
M8 × 1.25	P3	TNMR8.0N5	5P	70	19	-	36	6.2	5	8	3	6	¥ 1,740
M8 × 1.25	P3	TNMR8.0N1	1.5P	70	19	-	36	6.2	5	8	3	6	¥ 1,740
M8 × 1.25	P3	TNMR8.0N5F	5P	70	19	-	36	6.2	5	8	4	6	¥ 1,740
M8 × 1.25	P3	TNMR8.0N1F	1.5P	70	19	-	36	6.2	5	8	4	6	¥ 1,740
M8 × 1.25	P4	TNMS8.0N5F	5P	70	19	-	36	6.2	5	8	4	6	¥ 1,740
M8 × 1.25	P4	TNMS8.0N1F	1.5P	70	19	-	36	6.2	5	8	4	6	¥ 1,740
M8 × 1.25	P5	TNMT8.0N5F	5P	70	19	-	36	6.2	5	8	4	6	¥ 1,740*
M8 × 1.25	P5	TNMT8.0N1F	1.5P	70	19	-	36	6.2	5	8	4	6	¥ 1,740*
M8 × 1	P2	TNMQ8.0M5T	5P	70	19	-	36	6.2	5	8	3	6	¥ 1,980*
M8 × 1	P2	TNMQ8.0M1T	1.5P	70	19	-	36	6.2	5	8	3	6	¥ 1,980*
M8 × 1	P2	TNMQ8.0M5	5P	70	19	-	36	6.2	5	8	4	6	¥ 1,980
M8 × 1	P2	TNMQ8.0M1	1.5P	70	19	-	36	6.2	5	8	4	6	¥ 1,980
M8 × 1	P3	TNMR8.0M5	5P	70	19	-	36	6.2	5	8	4	6	¥ 1,980*
M8 × 1	P3	TNMR8.0M1	1.5P	70	19	-	36	6.2	5	8	4	6	¥ 1,980*
M8 × 1	P4	TNMS8.0M5	5P	70	19	-	36	6.2	5	8	4	6	¥ 1,980*
M8 × 1	P4	TNMS8.0M1	1.5P	70	19	-	36	6.2	5	8	4	6	¥ 1,980*
M8 × 0.75	P2	TNMQ8.0J5	5P	70	19	-	36	6.2	5	8	4	6	¥ 2,250
M8 × 0.75	P2	TNMQ8.0J1	1.5P	70	19	-	36	6.2	5	8	4	6	¥ 2,250
M8 × 0.5	P2	TNMQ8.0G5	5P	70	10	-	36	6.2	5	8	4	7	¥ 2,800
M8 × 0.5	P2	TNMQ8.0G1	1.5P	70	10	-	36	6.2	5	8	4	7	¥ 2,800
M8.5 × 1	P2	TNMQ8.5M5	5P	75	23	-	38	7	5.5	8	4	6	¥ 3,210*
M8.5 × 1	P2	TNMQ8.5M1	1.5P	75	23	-	38	7	5.5	8	4	6	¥ 3,210*
M8.5 × 0.75	P2	TNMQ8.5J5	5P	75	13	-	38	7	5.5	8	4	7	¥ 3,210*
M8.5 × 0.75	P2	TNMQ8.5J1	1.5P	75	13	-	38	7	5.5	8	4	7	¥ 3,210*
M8.5 × 0.5	P2	TNMQ8.5G5	5P	75	11	-	38	7	5.5	8	4	7	¥ 3,490*
M8.5 × 0.5	P2	TNMQ8.5G1	1.5P	75	11	-	38	7	5.5	8	4	7	¥ 3,490*
M9 × 1.25	P3	TNMR9.0N5	5P	75	23	-	38	7	5.5	8	4	6	¥ 2,220*
M9 × 1.25	P3	TNMR9.0N1	1.5P	75	23	-	38	7	5.5	8	4	6	¥ 2,220*
M9 × 1	P2	TNMQ9.0M5	5P	75	23	-	38	7	5.5	8	4	6	¥ 2,640
M9 × 1	P2	TNMQ9.0M1	1.5P	75	23	-	38	7	5.5	8	4	6	¥ 2,640
M9 × 0.75	P2	TNMQ9.0J5	5P	75	13	-	38	7	5.5	8	4	7	¥ 3,210
M9 × 0.75	P2	TNMQ9.0J1	1.5P	75	13	-	38	7	5.5	8	4	7	¥ 3,210
M9 × 0.5	P2	TNMQ9.0G5	5P	75	11	-	38	7	5.5	8	4	7	¥ 3,490*
M9 × 0.5	P2	TNMQ9.0G1	1.5P	75	11	-	38	7	5.5	8	4	7	¥ 3,490*

- 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 Hand Taps

- 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

Size	Class	Code	Chamfer	L (mm)	ℓ (mm)	ℓn (mm)	ℓs (mm)	Ds (mm)	K (mm)	ℓk (mm)	No. of flutes	TYPE	MSRP
M9.5 × 1	P2	TNMQ9.5M5	5P	75	23	-	38	7	5.5	8	4	6	¥ 3,210*
M9.5 × 1	P2	TNMQ9.5M1	1.5P	75	23	-	38	7	5.5	8	4	6	¥ 3,210*
M9.5 × 0.75	P2	TNMQ9.5J5	5P	75	13	-	38	7	5.5	8	4	7	¥ 3,210*
M9.5 × 0.75	P2	TNMQ9.5J1	1.5P	75	13	-	38	7	5.5	8	4	7	¥ 3,210*
M9.5 × 0.5	P2	TNMQ9.5G5	5P	75	11	-	38	7	5.5	8	4	7	¥ 3,490*
M9.5 × 0.5	P2	TNMQ9.5G1	1.5P	75	11	-	38	7	5.5	8	4	7	¥ 3,490*
M10 × 1.5	P3	TNMR010O5T	5P	75	23	-	38	7	5.5	8	3	6	¥ 2,220
M10 × 1.5	P3	TNMR010O1T	1.5P	75	23	-	38	7	5.5	8	3	6	¥ 2,220
M10 × 1.5	P3	TNMR010O5	5P	75	23	-	38	7	5.5	8	4	6	¥ 2,220
M10 × 1.5	P3	TNMR010O1	1.5P	75	23	-	38	7	5.5	8	4	6	¥ 2,220
M10 × 1.5	P4	TNMS010O5	5P	75	23	-	38	7	5.5	8	4	6	¥ 2,220*
M10 × 1.5	P4	TNMS010O1	1.5P	75	23	-	38	7	5.5	8	4	6	¥ 2,220*
M10 × 1.5	P5	TNMT010O5	5P	75	23	-	38	7	5.5	8	4	6	¥ 2,220*
M10 × 1.5	P5	TNMT010O1	1.5P	75	23	-	38	7	5.5	8	4	6	¥ 2,220*
M10 × 1.25	P3	TNMR010N5T	5P	75	23	-	38	7	5.5	8	3	6	¥ 2,220*
M10 × 1.25	P3	TNMR010N1T	1.5P	75	23	-	38	7	5.5	8	3	6	¥ 2,220*
M10 × 1.25	P3	TNMR010N5	5P	75	23	-	38	7	5.5	8	4	6	¥ 2,220
M10 × 1.25	P3	TNMR010N1	1.5P	75	23	-	38	7	5.5	8	4	6	¥ 2,220
M10 × 1.25	P4	TNMS010N5	5P	75	23	-	38	7	5.5	8	4	6	¥ 2,220*
M10 × 1.25	P4	TNMS010N1	1.5P	75	23	-	38	7	5.5	8	4	6	¥ 2,220*
M10 × 1.25	P5	TNMT010N5	5P	75	23	-	38	7	5.5	8	4	6	¥ 2,220*
M10 × 1.25	P5	TNMT010N1	1.5P	75	23	-	38	7	5.5	8	4	6	¥ 2,220*
M10 × 1	P3	TNMR010M5	5P	75	23	-	38	7	5.5	8	4	6	¥ 2,640
M10 × 1	P3	TNMR010M1	1.5P	75	23	-	38	7	5.5	8	4	6	¥ 2,640
M10 × 1	P4	TNMS010M5	5P	75	23	-	38	7	5.5	8	4	6	¥ 2,640*
M10 × 1	P4	TNMS010M1	1.5P	75	23	-	38	7	5.5	8	4	6	¥ 2,640*
M10 × 0.75	P3	TNMR010J5	5P	75	13	-	38	7	5.5	8	4	7	¥ 3,210
M10 × 0.75	P3	TNMR010J1	1.5P	75	13	-	38	7	5.5	8	4	7	¥ 3,210
M10 × 0.5	P2	TNMQ010G5	5P	75	11	-	38	7	5.5	8	4	7	¥ 3,490
M10 × 0.5	P2	TNMQ010G1	1.5P	75	11	-	38	7	5.5	8	4	7	¥ 3,490
M11 × 1.5	P4	TNMS011O5	5P	82	26	-	42	8.5	6.5	9	4	6	¥ 3,150*
M11 × 1.5	P4	TNMS011O1	1.5P	82	26	-	42	8.5	6.5	9	4	6	¥ 3,150*
M11 × 1.25	P3	TNMR011N5	5P	82	26	-	42	8.5	6.5	9	4	6	¥ 3,150*
M11 × 1.25	P3	TNMR011N1	1.5P	82	26	-	42	8.5	6.5	9	4	6	¥ 3,150*
M11 × 1	P3	TNMR011M5	5P	82	26	-	42	8.5	6.5	9	4	6	¥ 3,700
M11 × 1	P3	TNMR011M1	1.5P	82	26	-	42	8.5	6.5	9	4	6	¥ 3,700
M11 × 0.75	P3	TNMR011J5	5P	82	14	-	42	8.5	6.5	9	4	7	¥ 4,720*
M11 × 0.75	P3	TNMR011J1	1.5P	82	14	-	42	8.5	6.5	9	4	7	¥ 4,720*
M11 × 0.5	P2	TNMQ011G5	5P	82	12	-	42	8.5	6.5	9	4	7	¥ 4,720*
M11 × 0.5	P2	TNMQ011G1	1.5P	82	12	-	42	8.5	6.5	9	4	7	¥ 4,720*
M12 × 1.75	P3	TNMR012P5T	5P	82	26	-	42	8.5	6.5	9	3	6	¥ 3,150*
M12 × 1.75	P3	TNMR012P1T	1.5P	82	26	-	42	8.5	6.5	9	3	6	¥ 3,150*
M12 × 1.75	P3	TNMR012P5	5P	82	26	-	42	8.5	6.5	9	4	6	¥ 3,150
M12 × 1.75	P3	TNMR012P1	1.5P	82	26	-	42	8.5	6.5	9	4	6	¥ 3,150
M12 × 1.75	P4	TNMS012P5	5P	82	26	-	42	8.5	6.5	9	4	6	¥ 3,150*
M12 × 1.75	P4	TNMS012P1	1.5P	82	26	-	42	8.5	6.5	9	4	6	¥ 3,150*
M12 × 1.75	P5	TNMT012P5	5P	82	26	-	42	8.5	6.5	9	4	6	¥ 3,150*
M12 × 1.75	P5	TNMT012P1	1.5P	82	26	-	42	8.5	6.5	9	4	6	¥ 3,150*



* = 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 Hand Taps

Size	Class	Code	Chamfer	L (mm)	ℓ (mm)	ℓn (mm)	ℓs (mm)	Ds (mm)	K (mm)	ℓk (mm)	No. of flutes	TYPE	MSRP
M12 × 1.5	P3	TNMR012O5	5P	82	26	-	42	8.5	6.5	9	4	6	¥ 3,150
M12 × 1.5	P3	TNMR012O1	1.5P	82	26	-	42	8.5	6.5	9	4	6	¥ 3,150
M12 × 1.5	P4	TNMS012O5	5P	82	26	-	42	8.5	6.5	9	4	6	¥ 3,150*
M12 × 1.5	P4	TNMS012O1	1.5P	82	26	-	42	8.5	6.5	9	4	6	¥ 3,150*
M12 × 1.5	P5	TNMT012O5	5P	82	26	-	42	8.5	6.5	9	4	6	¥ 3,150*
M12 × 1.5	P5	TNMT012O1	1.5P	82	26	-	42	8.5	6.5	9	4	6	¥ 3,150*
M12 × 1.25	P4	TNMS012N5T	5P	82	26	-	42	8.5	6.5	9	3	6	¥ 3,150*
M12 × 1.25	P4	TNMS012N1T	1.5P	82	26	-	42	8.5	6.5	9	3	6	¥ 3,150*
M12 × 1.25	P4	TNMS012N5	5P	82	26	-	42	8.5	6.5	9	4	6	¥ 3,150
M12 × 1.25	P4	TNMS012N1	1.5P	82	26	-	42	8.5	6.5	9	4	6	¥ 3,150
M12 × 1.25	P5	TNMT012N5	5P	82	26	-	42	8.5	6.5	9	4	6	¥ 3,150*
M12 × 1.25	P5	TNMT012N1	1.5P	82	26	-	42	8.5	6.5	9	4	6	¥ 3,150*
M12 × 1	P3	TNMR012M5	5P	82	26	-	42	8.5	6.5	9	4	6	¥ 3,700
M12 × 1	P3	TNMR012M1	1.5P	82	26	-	42	8.5	6.5	9	4	6	¥ 3,700
M12 × 1	P4	TNMS012M5	5P	82	26	-	42	8.5	6.5	9	4	6	¥ 3,700*
M12 × 1	P4	TNMS012M1	1.5P	82	26	-	42	8.5	6.5	9	4	6	¥ 3,700*
M12 × 0.75	P3	TNMR012J5	5P	82	14	-	42	8.5	6.5	9	4	7	¥ 4,720*
M12 × 0.75	P3	TNMR012J1	1.5P	82	14	-	42	8.5	6.5	9	4	7	¥ 4,720*
M12 × 0.5	P2	TNMQ012G5	5P	82	12	-	42	8.5	6.5	9	4	7	¥ 4,720
M12 × 0.5	P2	TNMQ012G1	1.5P	82	12	-	42	8.5	6.5	9	4	7	¥ 4,720
M13 × 1.75	P3	TNMR013P5	5P	88	26	-	45	10.5	8	11	4	6	¥ 4,990*
M13 × 1.75	P3	TNMR013P1	1.5P	88	26	-	45	10.5	8	11	4	6	¥ 4,990*
M13 × 1.5	P3	TNMR013O5	5P	88	26	-	45	10.5	8	11	4	6	¥ 4,990*
M13 × 1.5	P3	TNMR013O1	1.5P	88	26	-	45	10.5	8	11	4	6	¥ 4,990*
M13 × 1.25	P4	TNMS013N5	5P	88	26	-	45	10.5	8	11	4	6	¥ 4,990*
M13 × 1.25	P4	TNMS013N1	1.5P	88	26	-	45	10.5	8	11	4	6	¥ 4,990*
M13 × 1	P3	TNMR013M5	5P	88	26	-	45	10.5	8	11	4	6	¥ 4,990
M13 × 1	P3	TNMR013M1	1.5P	88	26	-	45	10.5	8	11	4	6	¥ 4,990
M13 × 0.75	P3	TNMR013J5	5P	88	14	-	45	10.5	8	11	4	7	¥ 6,370*
M13 × 0.75	P3	TNMR013J1	1.5P	88	14	-	45	10.5	8	11	4	7	¥ 6,370*
M13 × 0.5	P2	TNMQ013G5	5P	88	12	-	45	10.5	8	11	4	7	¥ 6,370*
M13 × 0.5	P2	TNMQ013G1	1.5P	88	12	-	45	10.5	8	11	4	7	¥ 6,370*
M14 × 2	P3	TNMR014Q5	5P	88	26	-	45	10.5	8	11	4	6	¥ 4,290
M14 × 2	P3	TNMR014Q1	1.5P	88	26	-	45	10.5	8	11	4	6	¥ 4,290
M14 × 2	P4	TNMS014Q5	5P	88	26	-	45	10.5	8	11	4	6	¥ 4,290*
M14 × 2	P4	TNMS014Q1	1.5P	88	26	-	45	10.5	8	11	4	6	¥ 4,290*
M14 × 2	P5	TNMT014Q5	5P	88	26	-	45	10.5	8	11	4	6	¥ 4,290*
M14 × 2	P5	TNMT014Q1	1.5P	88	26	-	45	10.5	8	11	4	6	¥ 4,290*
M14 × 1.75	P3	TNMR014P5	5P	88	26	-	45	10.5	8	11	4	6	¥ 4,990*
M14 × 1.75	P3	TNMR014P1	1.5P	88	26	-	45	10.5	8	11	4	6	¥ 4,990*
M14 × 1.5	P3	TNMR014O5	5P	88	26	-	45	10.5	8	11	4	6	¥ 4,290
M14 × 1.5	P3	TNMR014O1	1.5P	88	26	-	45	10.5	8	11	4	6	¥ 4,290
M14 × 1.5	P4	TNMS014O5	5P	88	26	-	45	10.5	8	11	4	6	¥ 4,290*
M14 × 1.5	P4	TNMS014O1	1.5P	88	26	-	45	10.5	8	11	4	6	¥ 4,290*
M14 × 1.5	P5	TNMT014O5	5P	88	26	-	45	10.5	8	11	4	6	¥ 4,290*
M14 × 1.5	P5	TNMT014O1	1.5P	88	26	-	45	10.5	8	11	4	6	¥ 4,290*
M14 × 1.25	P4	TNMS014N5	5P	88	26	-	45	10.5	8	11	4	6	¥ 4,990
M14 × 1.25	P4	TNMS014N1	1.5P	88	26	-	45	10.5	8	11	4	6	¥ 4,990

- 4
- JIS
- 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

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 Hand Taps

- 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

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	5P	88	26	-	45	10.5	8	11	4	6	¥ 4,990
M14 × 1	P3	TNMR014M1	1.5P	88	26	-	45	10.5	8	11	4	6	¥ 4,990
M14 × 1	P4	TNMS014M5	5P	88	26	-	45	10.5	8	11	4	6	¥ 4,990 [*]
M14 × 1	P4	TNMS014M1	1.5P	88	26	-	45	10.5	8	11	4	6	¥ 4,990 [*]
M14 × 0.75	P3	TNMR014J5	5P	88	15	-	45	10.5	8	11	4	7	¥ 6,370 [*]
M14 × 0.75	P3	TNMR014J1	1.5P	88	15	-	45	10.5	8	11	4	7	¥ 6,370 [*]
M14 × 0.5	P2	TNMQ014G5	5P	88	12	-	45	10.5	8	11	4	7	¥ 6,370
M14 × 0.5	P2	TNMQ014G1	1.5P	88	12	-	45	10.5	8	11	4	7	¥ 6,370
M15 × 2	P3	TNMR015Q5	5P	95	26	-	48	12.5	10	13	4	6	¥ 5,740 [*]
M15 × 2	P3	TNMR015Q1	1.5P	95	26	-	48	12.5	10	13	4	6	¥ 5,740 [*]
M15 × 1.5	P3	TNMR015O5	5P	95	26	-	48	12.5	10	13	4	6	¥ 5,740
M15 × 1.5	P3	TNMR015O1	1.5P	95	26	-	48	12.5	10	13	4	6	¥ 5,740
M15 × 1.25	P4	TNMS015N5	5P	95	26	-	48	12.5	10	13	4	6	¥ 6,840 [*]
M15 × 1.25	P4	TNMS015N1	1.5P	95	26	-	48	12.5	10	13	4	6	¥ 6,840 [*]
M15 × 1	P3	TNMR015M5	5P	95	26	-	48	12.5	10	13	4	6	¥ 6,840
M15 × 1	P3	TNMR015M1	1.5P	95	26	-	48	12.5	10	13	4	6	¥ 6,840
M15 × 0.75	P3	TNMR015J5	5P	95	15	-	48	12.5	10	13	4	7	¥ 9,000 [*]
M15 × 0.75	P3	TNMR015J1	1.5P	95	15	-	48	12.5	10	13	4	7	¥ 9,000 [*]
M15 × 0.5	P2	TNMQ015G5	5P	95	13	-	48	12.5	10	13	4	7	¥ 9,000 [*]
M15 × 0.5	P2	TNMQ015G1	1.5P	95	13	-	48	12.5	10	13	4	7	¥ 9,000 [*]
M16 × 2	P3	TNMR016Q5	5P	95	26	-	48	12.5	10	13	4	6	¥ 5,740
M16 × 2	P3	TNMR016Q1	1.5P	95	26	-	48	12.5	10	13	4	6	¥ 5,740
M16 × 2	P4	TNMS016Q5	5P	95	26	-	48	12.5	10	13	4	6	¥ 5,740 [*]
M16 × 2	P4	TNMS016Q1	1.5P	95	26	-	48	12.5	10	13	4	6	¥ 5,740 [*]
M16 × 2	P5	TNMT016Q5	5P	95	26	-	48	12.5	10	13	4	6	¥ 5,740 [*]
M16 × 2	P5	TNMT016Q1	1.5P	95	26	-	48	12.5	10	13	4	6	¥ 5,740 [*]
M16 × 1.5	P3	TNMR016O5	5P	95	26	-	48	12.5	10	13	4	6	¥ 5,740
M16 × 1.5	P3	TNMR016O1	1.5P	95	26	-	48	12.5	10	13	4	6	¥ 5,740
M16 × 1.5	P4	TNMS016O5	5P	95	26	-	48	12.5	10	13	4	6	¥ 5,740 [*]
M16 × 1.5	P4	TNMS016O1	1.5P	95	26	-	48	12.5	10	13	4	6	¥ 5,740 [*]
M16 × 1.5	P5	TNMT016O5	5P	95	26	-	48	12.5	10	13	4	6	¥ 5,740 [*]
M16 × 1.5	P5	TNMT016O1	1.5P	95	26	-	48	12.5	10	13	4	6	¥ 5,740 [*]
M16 × 1.25	P4	TNMS016N5	5P	95	26	-	48	12.5	10	13	4	6	¥ 6,840 [*]
M16 × 1.25	P4	TNMS016N1	1.5P	95	26	-	48	12.5	10	13	4	6	¥ 6,840 [*]
M16 × 1	P3	TNMR016M5	5P	95	26	-	48	12.5	10	13	4	6	¥ 6,840
M16 × 1	P3	TNMR016M1	1.5P	95	26	-	48	12.5	10	13	4	6	¥ 6,840
M16 × 1	P4	TNMS016M5	5P	95	26	-	48	12.5	10	13	4	6	¥ 6,840 [*]
M16 × 1	P4	TNMS016M1	1.5P	95	26	-	48	12.5	10	13	4	6	¥ 6,840 [*]
M16 × 0.75	P3	TNMR016J5	5P	95	15	-	48	12.5	10	13	4	7	¥ 9,000 [*]
M16 × 0.75	P3	TNMR016J1	1.5P	95	15	-	48	12.5	10	13	4	7	¥ 9,000 [*]
M16 × 0.5	P2	TNMQ016G5	5P	95	13	-	48	12.5	10	13	4	7	¥ 9,000 [*]
M16 × 0.5	P2	TNMQ016G1	1.5P	95	13	-	48	12.5	10	13	4	7	¥ 9,000 [*]
M17 × 2	P3	TNMR017Q5	5P	100	33	-	51	14	11	14	4	6	¥ 7,660 [*]
M17 × 2	P3	TNMR017Q1	1.5P	100	33	-	51	14	11	14	4	6	¥ 7,660 [*]
M17 × 1.5	P4	TNMS017O5	5P	100	33	-	51	14	11	14	4	6	¥ 7,660 [*]
M17 × 1.5	P4	TNMS017O1	1.5P	100	33	-	51	14	11	14	4	6	¥ 7,660 [*]
M17 × 1.25	P4	TNMS017N5	5P	100	33	-	51	14	11	14	4	6	¥ 9,790 [*]
M17 × 1.25	P4	TNMS017N1	1.5P	100	33	-	51	14	11	14	4	6	¥ 9,790 [*]
M17 × 1	P3	TNMR017M5	5P	100	18	-	51	14	11	14	4	7	¥ 9,790
M17 × 1	P3	TNMR017M1	1.5P	100	18	-	51	14	11	14	4	7	¥ 9,790

JIS



* = 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 Hand Taps

Size	Class	Code	Chamfer	L (mm)	ℓ (mm)	ℓn (mm)	ℓs (mm)	Ds (mm)	K (mm)	ℓk (mm)	No. of flutes	TYPE	MSRP
M17 × 0.75	P3	TNMR017J5	5P	100	16	-	51	14	11	14	4	7	¥ 12,800 ※
M17 × 0.75	P3	TNMR017J1	1.5P	100	16	-	51	14	11	14	4	7	¥ 12,800 ※
M17 × 0.5	P2	TNMQ017G5	5P	100	13	-	51	14	11	14	4	7	¥ 12,800 ※
M17 × 0.5	P2	TNMQ017G1	1.5P	100	13	-	51	14	11	14	4	7	¥ 12,800 ※
M18 × 2.5	P4	TNMS018R5	5P	100	33	-	51	14	11	14	4	6	¥ 7,660
M18 × 2.5	P4	TNMS018R1	1.5P	100	33	-	51	14	11	14	4	6	¥ 7,660
M18 × 2.5	P5	TNMT018R5	5P	100	33	-	51	14	11	14	4	6	¥ 7,660 ※
M18 × 2.5	P5	TNMT018R1	1.5P	100	33	-	51	14	11	14	4	6	¥ 7,660 ※
M18 × 2	P4	TNMS018Q5	5P	100	33	-	51	14	11	14	4	6	¥ 7,660
M18 × 2	P4	TNMS018Q1	1.5P	100	33	-	51	14	11	14	4	6	¥ 7,660
M18 × 1.5	P3	TNMR018O5	5P	100	33	-	51	14	11	14	4	6	¥ 7,660
M18 × 1.5	P3	TNMR018O1	1.5P	100	33	-	51	14	11	14	4	6	¥ 7,660
M18 × 1.5	P4	TNMS018O5	5P	100	33	-	51	14	11	14	4	6	¥ 7,660 ※
M18 × 1.5	P4	TNMS018O1	1.5P	100	33	-	51	14	11	14	4	6	¥ 7,660 ※
M18 × 1.5	P5	TNMT018O5	5P	100	33	-	51	14	11	14	4	6	¥ 7,660 ※
M18 × 1.5	P5	TNMT018O1	1.5P	100	33	-	51	14	11	14	4	6	¥ 7,660 ※
M18 × 1.25	P4	TNMS018N5	5P	100	33	-	51	14	11	14	4	6	¥ 9,790 ※
M18 × 1.25	P4	TNMS018N1	1.5P	100	33	-	51	14	11	14	4	6	¥ 9,790 ※
M18 × 1	P3	TNMR018M5	5P	100	18	-	51	14	11	14	4	7	¥ 9,790
M18 × 1	P3	TNMR018M1	1.5P	100	18	-	51	14	11	14	4	7	¥ 9,790
M18 × 0.75	P3	TNMR018J5	5P	100	16	-	51	14	11	14	4	7	¥ 12,800 ※
M18 × 0.75	P3	TNMR018J1	1.5P	100	16	-	51	14	11	14	4	7	¥ 12,800 ※
M18 × 0.5	P2	TNMQ018G5	5P	100	13	-	51	14	11	14	4	7	¥ 12,800 ※
M18 × 0.5	P2	TNMQ018G1	1.5P	100	13	-	51	14	11	14	4	7	¥ 12,800 ※
M19 × 2.5	P4	TNMS019R5	5P	105	33	-	50	15	12	15	4	8	¥ 10,400 ※
M19 × 2.5	P4	TNMS019R1	1.5P	105	33	-	50	15	12	15	4	8	¥ 10,400 ※
M19 × 2	P4	TNMS019Q5	5P	105	33	-	50	15	12	15	4	8	¥ 10,400 ※
M19 × 2	P4	TNMS019Q1	1.5P	105	33	-	50	15	12	15	4	8	¥ 10,400 ※
M19 × 1.5	P3	TNMR019O5	5P	105	33	-	50	15	12	15	4	8	¥ 10,400 ※
M19 × 1.5	P3	TNMR019O1	1.5P	105	33	-	50	15	12	15	4	8	¥ 10,400 ※
M19 × 1	P3	TNMR019M5	5P	105	18	-	50	15	12	15	4	9	¥ 13,200 ※
M19 × 1	P3	TNMR019M1	1.5P	105	18	-	50	15	12	15	4	9	¥ 13,200 ※
M19 × 0.75	P3	TNMR019J5	5P	105	14	-	50	15	12	15	4	9	¥ 16,900 ※
M19 × 0.75	P3	TNMR019J1	1.5P	105	14	-	50	15	12	15	4	9	¥ 16,900 ※
M19 × 0.5	P2	TNMQ019G5	5P	105	14	-	50	15	12	15	4	9	¥ 16,900 ※
M19 × 0.5	P2	TNMQ019G1	1.5P	105	14	-	50	15	12	15	4	9	¥ 16,900 ※
M20 × 2.5	P4	TNMS020R5	5P	105	33	-	50	15	12	15	4	8	¥ 10,400
M20 × 2.5	P4	TNMS020R1	1.5P	105	33	-	50	15	12	15	4	8	¥ 10,400
M20 × 2.5	P5	TNMT020R5	5P	105	33	-	50	15	12	15	4	8	¥ 10,400 ※
M20 × 2.5	P5	TNMT020R1	1.5P	105	33	-	50	15	12	15	4	8	¥ 10,400 ※
M20 × 2	P4	TNMS020Q5	5P	105	33	-	50	15	12	15	4	8	¥ 10,400
M20 × 2	P4	TNMS020Q1	1.5P	105	33	-	50	15	12	15	4	8	¥ 10,400
M20 × 1.5	P3	TNMR020O5	5P	105	33	-	50	15	12	15	4	8	¥ 10,400
M20 × 1.5	P3	TNMR020O1	1.5P	105	33	-	50	15	12	15	4	8	¥ 10,400
M20 × 1.5	P4	TNMS020O5	5P	105	33	-	50	15	12	15	4	8	¥ 10,400 ※
M20 × 1.5	P4	TNMS020O1	1.5P	105	33	-	50	15	12	15	4	8	¥ 10,400 ※
M20 × 1.5	P5	TNMT020O5	5P	105	33	-	50	15	12	15	4	8	¥ 10,400 ※
M20 × 1.5	P5	TNMT020O1	1.5P	105	33	-	50	15	12	15	4	8	¥ 10,400 ※
M20 × 1.25	P4	TNMS020N5	5P	105	18	-	50	15	12	15	4	9	¥ 13,200 ※
M20 × 1.25	P4	TNMS020N1	1.5P	105	18	-	50	15	12	15	4	9	¥ 13,200 ※

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

※ = 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 Hand Taps

- 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

Size	Class	Code	Chamfer	L (mm)	ℓ (mm)	ℓn (mm)	ℓs (mm)	Ds (mm)	K (mm)	ℓk (mm)	No. of flutes	TYPE	MSRP
M20 × 1	P3	TNMR020M5	5P	105	18	-	50	15	12	15	4	9	¥ 13,200
M20 × 1	P3	TNMR020M1	1.5P	105	18	-	50	15	12	15	4	9	¥ 13,200
M20 × 0.75	P3	TNMR020J5	5P	105	14	-	50	15	12	15	4	9	¥ 16,900*
M20 × 0.75	P3	TNMR020J1	1.5P	105	14	-	50	15	12	15	4	9	¥ 16,900*
M20 × 0.5	P2	TNMQ020G5	5P	105	14	-	50	15	12	15	4	9	¥ 16,900*
M20 × 0.5	P2	TNMQ020G1	1.5P	105	14	-	50	15	12	15	4	9	¥ 16,900*
M21 × 2	P4	TNMS021Q5	5P	115	33	-	55	17	13	16	4	8	¥ 13,400*
M21 × 2	P4	TNMS021Q1	1.5P	115	33	-	55	17	13	16	4	8	¥ 13,400*
M21 × 1.5	P3	TNMR021O5	5P	115	33	-	55	17	13	16	4	8	¥ 13,400*
M21 × 1.5	P3	TNMR021O1	1.5P	115	33	-	55	17	13	16	4	8	¥ 13,400*
M21 × 1	P3	TNMR021M5	5P	115	19	-	55	17	13	16	4	9	¥ 17,300*
M21 × 1	P3	TNMR021M1	1.5P	115	19	-	55	17	13	16	4	9	¥ 17,300*
M22 × 2.5	P4	TNMS022R5	5P	115	33	-	55	17	13	16	4	8	¥ 13,400
M22 × 2.5	P4	TNMS022R1	1.5P	115	33	-	55	17	13	16	4	8	¥ 13,400
M22 × 2.5	P5	TNMT022R5	5P	115	33	-	55	17	13	16	4	8	¥ 13,400*
M22 × 2.5	P5	TNMT022R1	1.5P	115	33	-	55	17	13	16	4	8	¥ 13,400*
M22 × 2	P4	TNMS022Q5	5P	115	33	-	55	17	13	16	4	8	¥ 13,400
M22 × 2	P4	TNMS022Q1	1.5P	115	33	-	55	17	13	16	4	8	¥ 13,400
M22 × 1.5	P3	TNMR022O5	5P	115	33	-	55	17	13	16	4	8	¥ 13,400
M22 × 1.5	P3	TNMR022O1	1.5P	115	33	-	55	17	13	16	4	8	¥ 13,400
M22 × 1.5	P4	TNMS022O5	5P	115	33	-	55	17	13	16	4	8	¥ 13,400*
M22 × 1.5	P4	TNMS022O1	1.5P	115	33	-	55	17	13	16	4	8	¥ 13,400*
M22 × 1.5	P5	TNMT022O5	5P	115	33	-	55	17	13	16	4	8	¥ 13,400*
M22 × 1.5	P5	TNMT022O1	1.5P	115	33	-	55	17	13	16	4	8	¥ 13,400*
M22 × 1.25	P4	TNMS022N5	5P	115	19	-	55	17	13	16	4	9	¥ 17,300*
M22 × 1.25	P4	TNMS022N1	1.5P	115	19	-	55	17	13	16	4	9	¥ 17,300*
M22 × 1	P3	TNMR022M5	5P	115	19	-	55	17	13	16	4	9	¥ 17,300
M22 × 1	P3	TNMR022M1	1.5P	115	19	-	55	17	13	16	4	9	¥ 17,300
M22 × 0.75	P3	TNMR022J5	5P	115	14	-	55	17	13	16	4	9	¥ 20,600*
M22 × 0.75	P3	TNMR022J1	1.5P	115	14	-	55	17	13	16	4	9	¥ 20,600*
M22 × 0.5	P2	TNMQ022G5	5P	115	14	-	55	17	13	16	4	9	¥ 20,600*
M22 × 0.5	P2	TNMQ022G1	1.5P	115	14	-	55	17	13	16	4	9	¥ 20,600*
M23 × 2	P4	TNMS023Q5	5P	120	39	-	55	19	15	18	4	8	¥ 16,700*
M23 × 2	P4	TNMS023Q1	1.5P	120	39	-	55	19	15	18	4	8	¥ 16,700*
M23 × 1.5	P3	TNMR023O5	5P	120	39	-	55	19	15	18	4	8	¥ 16,700*
M23 × 1.5	P3	TNMR023O1	1.5P	120	39	-	55	19	15	18	4	8	¥ 16,700*
M23 × 1	P3	TNMR023M5	5P	120	19	-	55	19	15	18	4	9	¥ 21,300*
M23 × 1	P3	TNMR023M1	1.5P	120	19	-	55	19	15	18	4	9	¥ 21,300*
M24 × 3	P4	TNMS024S5	5P	120	39	-	55	19	15	18	4	8	¥ 16,700
M24 × 3	P4	TNMS024S1	1.5P	120	39	-	55	19	15	18	4	8	¥ 16,700
M24 × 3	P5	TNMT024S5	5P	120	39	-	55	19	15	18	4	8	¥ 16,700*
M24 × 3	P5	TNMT024S1	1.5P	120	39	-	55	19	15	18	4	8	¥ 16,700*
M24 × 2	P4	TNMS024Q5	5P	120	39	-	55	19	15	18	4	8	¥ 16,700
M24 × 2	P4	TNMS024Q1	1.5P	120	39	-	55	19	15	18	4	8	¥ 16,700
M24 × 1.5	P3	TNMR024O5	5P	120	39	-	55	19	15	18	4	8	¥ 16,700
M24 × 1.5	P3	TNMR024O1	1.5P	120	39	-	55	19	15	18	4	8	¥ 16,700
M24 × 1.5	P4	TNMS024O5	5P	120	39	-	55	19	15	18	4	8	¥ 16,700*
M24 × 1.5	P4	TNMS024O1	1.5P	120	39	-	55	19	15	18	4	8	¥ 16,700*
M24 × 1.5	P5	TNMT024O5	5P	120	39	-	55	19	15	18	4	8	¥ 16,700*
M24 × 1.5	P5	TNMT024O1	1.5P	120	39	-	55	19	15	18	4	8	¥ 16,700*



* = 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 Hand Taps

Size	Class	Code	Chamfer	L (mm)	ℓ (mm)	ℓn (mm)	ℓs (mm)	Ds (mm)	K (mm)	ℓk (mm)	No. of flutes	TYPE	MSRP
M24 × 1.25	P4	TNMS024N5	5P	120	19	-	55	19	15	18	4	9	¥ 21,300 [*]
M24 × 1.25	P4	TNMS024N1	1.5P	120	19	-	55	19	15	18	4	9	¥ 21,300 [*]
M24 × 1	P3	TNMR024M5	5P	120	19	-	55	19	15	18	4	9	¥ 21,300
M24 × 1	P3	TNMR024M1	1.5P	120	19	-	55	19	15	18	4	9	¥ 21,300
M24 × 0.75	P3	TNMR024J5	5P	120	15	-	55	19	15	18	4	9	¥ 26,000 [*]
M24 × 0.75	P3	TNMR024J1	1.5P	120	15	-	55	19	15	18	4	9	¥ 26,000 [*]
M24 × 0.5	P2	TNMQ024G5	5P	120	15	-	55	19	15	18	4	9	¥ 26,000 [*]
M24 × 0.5	P2	TNMQ024G1	1.5P	120	15	-	55	19	15	18	4	9	¥ 26,000 [*]
M25 × 3	P4	TNMS025S5	5P	125	39	-	58	19	15	18	4	8	¥ 21,600 [*]
M25 × 3	P4	TNMS025S1	1.5P	125	39	-	58	19	15	18	4	8	¥ 21,600 [*]
M25 × 2	P4	TNMS025Q5	5P	125	39	-	58	19	15	18	4	8	¥ 21,600
M25 × 2	P4	TNMS025Q1	1.5P	125	39	-	58	19	15	18	4	8	¥ 21,600
M25 × 1.5	P3	TNMR025O5	5P	125	39	-	58	19	15	18	4	8	¥ 21,600
M25 × 1.5	P3	TNMR025O1	1.5P	125	39	-	58	19	15	18	4	8	¥ 21,600
M25 × 1	P3	TNMR025M5	5P	125	20	-	58	19	15	18	4	9	¥ 25,500
M25 × 1	P3	TNMR025M1	1.5P	125	20	-	58	19	15	18	4	9	¥ 25,500
M25 × 0.75	P3	TNMR025J5	5P	125	15	-	58	19	15	18	4	9	¥ 30,600 [*]
M25 × 0.75	P3	TNMR025J1	1.5P	125	15	-	58	19	15	18	4	9	¥ 30,600 [*]
M26 × 3	P4	TNMS026S5	5P	130	39	-	60	20	15	18	4	8	¥ 23,200 [*]
M26 × 3	P4	TNMS026S1	1.5P	130	39	-	60	20	15	18	4	8	¥ 23,200 [*]
M26 × 2	P4	TNMS026Q5	5P	130	39	-	60	20	15	18	4	8	¥ 23,200 [*]
M26 × 2	P4	TNMS026Q1	1.5P	130	39	-	60	20	15	18	4	8	¥ 23,200 [*]
M26 × 1.5	P3	TNMR026O5	5P	130	39	-	60	20	15	18	4	8	¥ 23,200
M26 × 1.5	P3	TNMR026O1	1.5P	130	39	-	60	20	15	18	4	8	¥ 23,200
M26 × 1	P3	TNMR026M5	5P	130	20	-	60	20	15	18	4	9	¥ 28,600 [*]
M26 × 1	P3	TNMR026M1	1.5P	130	20	-	60	20	15	18	4	9	¥ 28,600 [*]
M27 × 3	P4	TNMS027S5	5P	130	39	-	60	20	15	18	4	8	¥ 23,200
M27 × 3	P4	TNMS027S1	1.5P	130	39	-	60	20	15	18	4	8	¥ 23,200
M27 × 2	P5	TNMT027Q5	5P	130	39	-	60	20	15	18	4	8	¥ 23,200
M27 × 2	P5	TNMT027Q1	1.5P	130	39	-	60	20	15	18	4	8	¥ 23,200
M27 × 1.5	P3	TNMR027O5	5P	130	39	-	60	20	15	18	4	8	¥ 23,200
M27 × 1.5	P3	TNMR027O1	1.5P	130	39	-	60	20	15	18	4	8	¥ 23,200
M27 × 1	P3	TNMR027M5	5P	130	20	-	60	20	15	18	4	9	¥ 28,600
M27 × 1	P3	TNMR027M1	1.5P	130	20	-	60	20	15	18	4	9	¥ 28,600
M27 × 0.75	P3	TNMR027J5	5P	130	15	-	60	20	15	18	4	9	¥ 34,400 [*]
M27 × 0.75	P3	TNMR027J1	1.5P	130	15	-	60	20	15	18	4	9	¥ 34,400 [*]
M28 × 3	P4	TNMS028S5	5P	135	46	-	62	23	17	20	4	8	¥ 29,500 [*]
M28 × 3	P4	TNMS028S1	1.5P	135	46	-	62	23	17	20	4	8	¥ 29,500 [*]
M28 × 2	P4	TNMS028Q5	5P	135	46	-	62	23	17	20	4	8	¥ 29,500
M28 × 2	P4	TNMS028Q1	1.5P	135	46	-	62	23	17	20	4	8	¥ 29,500
M28 × 1.5	P3	TNMR028O5	5P	135	46	-	62	23	17	20	4	8	¥ 29,500
M28 × 1.5	P3	TNMR028O1	1.5P	135	46	-	62	23	17	20	4	8	¥ 29,500
M28 × 1	P3	TNMR028M5	5P	135	20	-	62	23	17	20	4	9	¥ 36,900
M28 × 1	P3	TNMR028M1	1.5P	135	20	-	62	23	17	20	4	9	¥ 36,900
M29 × 1.5	P3	TNMR029O5	5P	135	46	-	62	23	17	20	4	8	¥ 29,500 [*]
M29 × 1.5	P3	TNMR029O1	1.5P	135	46	-	62	23	17	20	4	8	¥ 29,500 [*]
M30 × 3.5	P4	TNMS030T5	5P	135	46	-	62	23	17	20	4	8	¥ 29,500
M30 × 3.5	P4	TNMS030T1	1.5P	135	46	-	62	23	17	20	4	8	¥ 29,500
M30 × 3	P5	TNMT030S5	5P	135	46	-	62	23	17	20	4	8	¥ 29,500
M30 × 3	P5	TNMT030S1	1.5P	135	46	-	62	23	17	20	4	8	¥ 29,500

*M25×0.75, M27×0.75, and M32×0.75 can also be used as taps for microscope objective lenses. (See the related page ⑦-43.)

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

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 Hand Taps

- 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

Size	Class	Code	Chamfer	L (mm)	ℓ (mm)	ℓn (mm)	ℓs (mm)	Ds (mm)	K (mm)	ℓk (mm)	No. of flutes	TYPE	MSRP
M30 × 2	P4	TNMS030Q5	5P	135	46	-	62	23	17	20	4	8	¥ 29,500
M30 × 2	P4	TNMS030Q1	1.5P	135	46	-	62	23	17	20	4	8	¥ 29,500
M30 × 1.5	P3	TNMR030O5	5P	135	46	-	62	23	17	20	4	8	¥ 29,500
M30 × 1.5	P3	TNMR030O1	1.5P	135	46	-	62	23	17	20	4	8	¥ 29,500
M30 × 1	P3	TNMR030M5	5P	135	21	-	62	23	17	20	4	9	¥ 36,900
M30 × 1	P3	TNMR030M1	1.5P	135	21	-	62	23	17	20	4	9	¥ 36,900
M32 × 3.5	P4	TNMS032T5	5P	145	46	-	67	24	19	22	4	8	¥ 34,400*
M32 × 3.5	P4	TNMS032T1	1.5P	145	46	-	67	24	19	22	4	8	¥ 34,400*
M32 × 3	P5	TNMT032S5	5P	145	46	-	67	24	19	22	4	8	¥ 34,400*
M32 × 3	P5	TNMT032S1	1.5P	145	46	-	67	24	19	22	4	8	¥ 34,400*
M32 × 2	P4	TNMS032Q5	5P	145	46	-	67	24	19	22	4	8	¥ 34,400*
M32 × 2	P4	TNMS032Q1	1.5P	145	46	-	67	24	19	22	4	8	¥ 34,400*
M32 × 1.5	P4	TNMS032O5	5P	145	46	-	67	24	19	22	4	8	¥ 34,400*
M32 × 1.5	P4	TNMS032O1	1.5P	145	46	-	67	24	19	22	4	8	¥ 34,400*
M32 × 1	P3	TNMR032M5	5P	145	21	-	67	24	19	22	4	9	¥ 42,400*
M32 × 1	P3	TNMR032M1	1.5P	145	21	-	67	24	19	22	4	9	¥ 42,400*
M32 × 0.75	P3	TNMR032J5	5P	145	16	-	67	24	19	22	4	9	¥ 50,900*
M32 × 0.75	P3	TNMR032J1	1.5P	145	16	-	67	24	19	22	4	9	¥ 50,900*
M33 × 3.5	P4	TNMS033T5	5P	145	46	-	67	25	19	22	4	8	¥ 34,400
M33 × 3.5	P4	TNMS033T1	1.5P	145	46	-	67	25	19	22	4	8	¥ 34,400
M33 × 3	P5	TNMT033S5	5P	145	46	-	67	25	19	22	4	8	¥ 34,400*
M33 × 3	P5	TNMT033S1	1.5P	145	46	-	67	25	19	22	4	8	¥ 34,400*
M33 × 2	P4	TNMS033Q5	5P	145	46	-	67	25	19	22	4	8	¥ 34,400*
M33 × 2	P4	TNMS033Q1	1.5P	145	46	-	67	25	19	22	4	8	¥ 34,400*
M33 × 1.5	P4	TNMS033O5	5P	145	46	-	67	25	19	22	4	8	¥ 34,400*
M33 × 1.5	P4	TNMS033O1	1.5P	145	46	-	67	25	19	22	4	8	¥ 34,400*
M33 × 1	P3	TNMR033M5	5P	145	21	-	67	25	19	22	4	9	¥ 42,400*
M33 × 1	P3	TNMR033M1	1.5P	145	21	-	67	25	19	22	4	9	¥ 42,400*
M34 × 3	P5	TNMT034S5	5P	155	52	-	71	28	21	24	4	8	¥ 39,900*
M34 × 3	P5	TNMT034S1	1.5P	155	52	-	71	28	21	24	4	8	¥ 39,900*
M34 × 2	P4	TNMS034Q5	5P	155	52	-	71	28	21	24	4	8	¥ 39,900*
M34 × 2	P4	TNMS034Q1	1.5P	155	52	-	71	28	21	24	4	8	¥ 39,900*
M34 × 1.5	P4	TNMS034O5	5P	155	26	-	71	28	21	24	4	9	¥ 39,900*
M34 × 1.5	P4	TNMS034O1	1.5P	155	26	-	71	28	21	24	4	9	¥ 39,900*
M34 × 1	P3	TNMR034M5	5P	155	26	-	71	28	21	24	4	9	¥ 47,200*
M34 × 1	P3	TNMR034M1	1.5P	155	26	-	71	28	21	24	4	9	¥ 47,200*
M35 × 3	P5	TNMT035S5	5P	155	52	-	71	28	21	24	4	8	¥ 39,900*
M35 × 3	P5	TNMT035S1	1.5P	155	52	-	71	28	21	24	4	8	¥ 39,900*
M35 × 2	P5	TNMT035Q5	5P	155	52	-	71	28	21	24	4	8	¥ 39,900*
M35 × 2	P5	TNMT035Q1	1.5P	155	52	-	71	28	21	24	4	8	¥ 39,900*
M35 × 1.5	P4	TNMS035O5	5P	155	26	-	71	28	21	24	4	9	¥ 39,900*
M35 × 1.5	P4	TNMS035O1	1.5P	155	26	-	71	28	21	24	4	9	¥ 39,900*
M35 × 1	P3	TNMR035M5	5P	155	26	-	71	28	21	24	4	9	¥ 47,200*
M35 × 1	P3	TNMR035M1	1.5P	155	26	-	71	28	21	24	4	9	¥ 47,200*
M36 × 4	P5	TNMT036U5	5P	155	52	-	71	28	21	24	4	8	¥ 39,900
M36 × 4	P5	TNMT036U1	1.5P	155	52	-	71	28	21	24	4	8	¥ 39,900
M36 × 3	P5	TNMT036S5	5P	155	52	-	71	28	21	24	4	8	¥ 39,900*
M36 × 3	P5	TNMT036S1	1.5P	155	52	-	71	28	21	24	4	8	¥ 39,900*
M36 × 2	P4	TNMS036Q5	5P	155	52	-	71	28	21	24	4	8	¥ 39,900*
M36 × 2	P4	TNMS036Q1	1.5P	155	52	-	71	28	21	24	4	8	¥ 39,900*

*M25×0.75, M27×0.75, and M32×0.75 can also be used as taps for microscope objective lenses. (See the related page ⑦-43.)



* = 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 Hand Taps

Size	Class	Code	Chamfer	L (mm)	ℓ (mm)	ℓn (mm)	ℓs (mm)	Ds (mm)	K (mm)	ℓk (mm)	No. of flutes	TYPE	MSRP
M36 × 1.5	P4	TNMS036O5	5P	155	26	-	71	28	21	24	4	9	¥ 39,900*
M36 × 1.5	P4	TNMS036O1	1.5P	155	26	-	71	28	21	24	4	9	¥ 39,900*
M36 × 1	P3	TNMR036M5	5P	155	26	-	71	28	21	24	4	9	¥ 47,200*
M36 × 1	P3	TNMR036M1	1.5P	155	26	-	71	28	21	24	4	9	¥ 47,200*
M37 × 1.5	P4	TNMS037O5	5P	165	26	-	76	30	23	26	4	9	¥ 45,700*
M37 × 1.5	P4	TNMS037O1	1.5P	165	26	-	76	30	23	26	4	9	¥ 45,700*
M38 × 3	P5	TNMT038S5	5P	165	52	-	76	30	23	26	4	8	¥ 45,700*
M38 × 3	P5	TNMT038S1	1.5P	165	52	-	76	30	23	26	4	8	¥ 45,700*
M38 × 2	P4	TNMS038Q5	5P	165	52	-	76	30	23	26	4	8	¥ 45,700*
M38 × 2	P4	TNMS038Q1	1.5P	165	52	-	76	30	23	26	4	8	¥ 45,700*
M38 × 1.5	P4	TNMS038O5	5P	165	26	-	76	30	23	26	4	9	¥ 45,700*
M38 × 1.5	P4	TNMS038O1	1.5P	165	26	-	76	30	23	26	4	9	¥ 45,700*
M38 × 1	P3	TNMR038M5	5P	165	26	-	76	30	23	26	4	9	¥ 53,500*
M38 × 1	P3	TNMR038M1	1.5P	165	26	-	76	30	23	26	4	9	¥ 53,500*
M39 × 4	P5	TNMT039U5	5P	165	52	-	76	30	23	26	4	8	¥ 45,700
M39 × 4	P5	TNMT039U1	1.5P	165	52	-	76	30	23	26	4	8	¥ 45,700
M39 × 3	P5	TNMT039S5	5P	165	52	-	76	30	23	26	4	8	¥ 45,700*
M39 × 3	P5	TNMT039S1	1.5P	165	52	-	76	30	23	26	4	8	¥ 45,700*
M39 × 2	P5	TNMT039Q5	5P	165	52	-	76	30	23	26	4	8	¥ 45,700*
M39 × 2	P5	TNMT039Q1	1.5P	165	52	-	76	30	23	26	4	8	¥ 45,700*
M39 × 1.5	P4	TNMS039O5	5P	165	26	-	76	30	23	26	4	9	¥ 45,700*
M39 × 1.5	P4	TNMS039O1	1.5P	165	26	-	76	30	23	26	4	9	¥ 45,700*
M39 × 1	P3	TNMR039M5	5P	165	26	-	76	30	23	26	4	9	¥ 53,500*
M39 × 1	P3	TNMR039M1	1.5P	165	26	-	76	30	23	26	4	9	¥ 53,500*
M40 × 4	P5	TNMT040U5	5P	175	59	-	81	32	26	30	4	8	¥ 55,600*
M40 × 4	P5	TNMT040U1	1.5P	175	59	-	81	32	26	30	4	8	¥ 55,600*
M40 × 3	P5	TNMT040S5	5P	175	59	-	81	32	26	30	4	8	¥ 55,600*
M40 × 3	P5	TNMT040S1	1.5P	175	59	-	81	32	26	30	4	8	¥ 55,600*
M40 × 2	P4	TNMS040Q5	5P	175	59	-	81	32	26	30	4	8	¥ 55,600*
M40 × 2	P4	TNMS040Q1	1.5P	175	59	-	81	32	26	30	4	8	¥ 55,600*
M40 × 1.5	P4	TNMS040O5	5P	175	27	-	81	32	26	30	4	9	¥ 55,600*
M40 × 1.5	P4	TNMS040O1	1.5P	175	27	-	81	32	26	30	4	9	¥ 55,600*
M40 × 1	P3	TNMR040M5	5P	175	27	-	81	32	26	30	4	9	¥ 63,900*
M40 × 1	P3	TNMR040M1	1.5P	175	27	-	81	32	26	30	4	9	¥ 63,900*
M42 × 4.5	P5	TNMT042V5	5P	175	59	-	81	32	26	30	4	8	¥ 55,600
M42 × 4.5	P5	TNMT042V1	1.5P	175	59	-	81	32	26	30	4	8	¥ 55,600
M42 × 4	P6	TNMT042U5	5P	175	59	-	81	32	26	30	4	8	¥ 55,600*
M42 × 4	P6	TNMT042U1	1.5P	175	59	-	81	32	26	30	4	8	¥ 55,600*
M42 × 3	P5	TNMT042S5	5P	175	59	-	81	32	26	30	4	8	¥ 55,600*
M42 × 3	P5	TNMT042S1	1.5P	175	59	-	81	32	26	30	4	8	¥ 55,600*
M42 × 2	P4	TNMS042Q5	5P	175	59	-	81	32	26	30	4	8	¥ 55,600*
M42 × 2	P4	TNMS042Q1	1.5P	175	59	-	81	32	26	30	4	8	¥ 55,600*
M42 × 1.5	P4	TNMS042O5	5P	175	27	-	81	32	26	30	4	9	¥ 55,600*
M42 × 1.5	P4	TNMS042O1	1.5P	175	27	-	81	32	26	30	4	9	¥ 55,600*
M42 × 1	P3	TNMR042M5	5P	175	27	-	81	32	26	30	4	9	¥ 63,900*
M42 × 1	P3	TNMR042M1	1.5P	175	27	-	81	32	26	30	4	9	¥ 63,900*
M44 × 4	P6	TNMT044U5	5P	180	59	-	83	35	26	30	4	8	¥ 64,400*
M44 × 4	P6	TNMT044U1	1.5P	180	59	-	83	35	26	30	4	8	¥ 64,400*
M44 × 3	P5	TNMT044S5	5P	180	59	-	83	35	26	30	4	8	¥ 64,400*
M44 × 3	P5	TNMT044S1	1.5P	180	59	-	83	35	26	30	4	8	¥ 64,400*

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 Tools

Precision Machinery/
Metal Surgical Instruments

JIS

4-18

* = Specified Distribution Items. Made to order products.

 Think threads with
YAMAWA

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 Hand Taps

- 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

Size	Class	Code	Chamfer	L (mm)	ℓ (mm)	ℓn (mm)	ℓs (mm)	Ds (mm)	K (mm)	ℓk (mm)	No. of flutes	TYPE	MSRP
M44 × 2	P4	TNMS044Q5	5P	180	59	-	83	35	26	30	4	8	¥ 64,400 ^{**}
M44 × 2	P4	TNMS044Q1	1.5P	180	59	-	83	35	26	30	4	8	¥ 64,400 ^{**}
M44 × 1.5	P4	TNMS044O5	5P	180	27	-	83	35	26	30	4	9	¥ 64,400 ^{**}
M44 × 1.5	P4	TNMS044O1	1.5P	180	27	-	83	35	26	30	4	9	¥ 64,400 ^{**}
M44 × 1	P3	TNMR044M5	5P	180	27	-	83	35	26	30	4	9	¥ 77,700 ^{**}
M44 × 1	P3	TNMR044M1	1.5P	180	27	-	83	35	26	30	4	9	¥ 77,700 ^{**}
M45 × 4.5	P5	TNMT045V5	5P	180	59	-	83	35	26	30	4	8	¥ 64,400
M45 × 4.5	P5	TNMT045V1	1.5P	180	59	-	83	35	26	30	4	8	¥ 64,400
M45 × 4	P6	TNMT045U5	5P	180	59	-	83	35	26	30	4	8	¥ 64,400 ^{**}
M45 × 4	P6	TNMT045U1	1.5P	180	59	-	83	35	26	30	4	8	¥ 64,400 ^{**}
M45 × 3	P5	TNMT045S5	5P	180	59	-	83	35	26	30	4	8	¥ 64,400 ^{**}
M45 × 3	P5	TNMT045S1	1.5P	180	59	-	83	35	26	30	4	8	¥ 64,400 ^{**}
M45 × 2	P4	TNMS045Q5	5P	180	59	-	83	35	26	30	4	8	¥ 64,400 ^{**}
M45 × 2	P4	TNMS045Q1	1.5P	180	59	-	83	35	26	30	4	8	¥ 64,400 ^{**}
M45 × 1.5	P4	TNMS045O5	5P	180	27	-	83	35	26	30	4	9	¥ 64,400 ^{**}
M45 × 1.5	P4	TNMS045O1	1.5P	180	27	-	83	35	26	30	4	9	¥ 64,400 ^{**}
M45 × 1	P3	TNMR045M5	5P	180	27	-	83	35	26	30	4	9	¥ 77,700 ^{**}
M45 × 1	P3	TNMR045M1	1.5P	180	27	-	83	35	26	30	4	9	¥ 77,700 ^{**}
M46 × 4	P6	TNMT046U5	5P	185	65	-	85	38	29	32	4	8	¥ 77,800 ^{**}
M46 × 4	P6	TNMT046U1	1.5P	185	65	-	85	38	29	32	4	8	¥ 77,800 ^{**}
M46 × 3	P6	TNMT046S5	5P	185	65	-	85	38	29	32	4	8	¥ 77,800 ^{**}
M46 × 3	P6	TNMT046S1	1.5P	185	65	-	85	38	29	32	4	8	¥ 77,800 ^{**}
M46 × 2	P4	TNMS046Q5	5P	185	65	-	85	38	29	32	4	8	¥ 77,800 ^{**}
M46 × 2	P4	TNMS046Q1	1.5P	185	65	-	85	38	29	32	4	8	¥ 77,800 ^{**}
M46 × 1.5	P4	TNMS046O5	5P	185	28	-	85	38	29	32	4	9	¥ 77,800 ^{**}
M46 × 1.5	P4	TNMS046O1	1.5P	185	28	-	85	38	29	32	4	9	¥ 77,800 ^{**}
M48 × 5	P5	TNMT048W5	5P	185	65	-	85	38	29	32	4	8	¥ 80,400
M48 × 5	P5	TNMT048W1	1.5P	185	65	-	85	38	29	32	4	8	¥ 80,400
M48 × 4	P6	TNMT048U5	5P	185	65	-	85	38	29	32	4	8	¥ 80,400 ^{**}
M48 × 4	P6	TNMT048U1	1.5P	185	65	-	85	38	29	32	4	8	¥ 80,400 ^{**}
M48 × 3	P6	TNMT048S5	5P	185	65	-	85	38	29	32	4	8	¥ 80,400 ^{**}
M48 × 3	P6	TNMT048S1	1.5P	185	65	-	85	38	29	32	4	8	¥ 80,400 ^{**}
M48 × 2	P4	TNMS048Q5	5P	185	65	-	85	38	29	32	4	8	¥ 80,400 ^{**}
M48 × 2	P4	TNMS048Q1	1.5P	185	65	-	85	38	29	32	4	8	¥ 80,400 ^{**}
M48 × 1.5	P4	TNMS048O5	5P	185	28	-	85	38	29	32	4	9	¥ 80,400 ^{**}
M48 × 1.5	P4	TNMS048O1	1.5P	185	28	-	85	38	29	32	4	9	¥ 80,400 ^{**}
M48 × 1	P3	TNMR048M5	5P	185	28	-	85	38	29	32	4	9	¥ 97,000 ^{**}
M48 × 1	P3	TNMR048M1	1.5P	185	28	-	85	38	29	32	4	9	¥ 97,000 ^{**}
M50 × 5	II	TH2050W5	5P	195	90	-	-	40	32	35	4	10	¥ 87,400 ^{**}
M50 × 5	II	TH2050W1	1.5P	195	90	-	-	40	32	35	4	10	¥ 87,400 ^{**}
M50 × 4	II	TH2050U5	5P	180	80	-	-	40	32	35	4	10	¥ 87,400 ^{**}
M50 × 4	II	TH2050U1	1.5P	180	80	-	-	40	32	35	4	10	¥ 87,400 ^{**}
M50 × 3	II	TH2050S5	5P	180	80	-	-	40	32	35	4	10	¥ 87,400 ^{**}
M50 × 3	II	TH2050S1	1.5P	180	80	-	-	40	32	35	4	10	¥ 87,400 ^{**}
M50 × 2	II	TH2050Q5	5P	130	45	-	-	40	32	35	4	10	¥ 87,400 ^{**}
M50 × 2	II	TH2050Q1	1.5P	130	45	-	-	40	32	35	4	10	¥ 87,400 ^{**}
M50 × 1.5	II	TH2050O5	5P	130	45	-	-	40	32	35	4	10	¥ 87,400 ^{**}
M50 × 1.5	II	TH2050O1	1.5P	130	45	-	-	40	32	35	4	10	¥ 87,400 ^{**}
M50 × 1	II	TH2050M5	5P	130	30	-	-	40	32	35	4	10	¥ 104,000 ^{**}
M50 × 1	II	TH2050M1	1.5P	130	30	-	-	40	32	35	4	10	¥ 104,000 ^{**}



^{**} = 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 Hand Taps

Size	Class	Code	Chamfer	L (mm)	ℓ (mm)	ℓn (mm)	ℓs (mm)	Ds (mm)	K (mm)	ℓk (mm)	No. of flutes	TYPE	MSRP
M52 × 5	II	TH2052W5	5P	195	90	-	-	42	32	35	4	10	¥ 99,200 ※
M52 × 5	II	TH2052W1	1.5P	195	90	-	-	42	32	35	4	10	¥ 99,200 ※
M52 × 4	II	TH2052U5	5P	180	80	-	-	42	32	35	4	10	¥ 95,600 ※
M52 × 4	II	TH2052U1	1.5P	180	80	-	-	42	32	35	4	10	¥ 95,600 ※
M52 × 3	II	TH2052S5	5P	180	80	-	-	42	32	35	4	10	¥ 95,600 ※
M52 × 3	II	TH2052S1	1.5P	180	80	-	-	42	32	35	4	10	¥ 95,600 ※
M52 × 2	II	TH2052Q5	5P	130	50	-	-	42	32	35	4	10	¥ 92,500 ※
M52 × 2	II	TH2052Q1	1.5P	130	50	-	-	42	32	35	4	10	¥ 92,500 ※
M52 × 1.5	II	TH2052O5	5P	130	45	-	-	42	32	35	4	10	¥ 92,500 ※
M52 × 1.5	II	TH2052O1	1.5P	130	45	-	-	42	32	35	4	10	¥ 92,500 ※
M55 × 4	II	TH2055U5	5P	180	80	-	-	44	35	38	4	10	¥ 102,000 ※
M55 × 4	II	TH2055U1	1.5P	180	80	-	-	44	35	38	4	10	¥ 102,000 ※
M55 × 3	II	TH2055S5	5P	180	80	-	-	44	35	38	4	10	¥ 102,000 ※
M55 × 3	II	TH2055S1	1.5P	180	80	-	-	44	35	38	4	10	¥ 102,000 ※
M55 × 2	II	TH2055Q5	5P	135	50	-	-	44	35	38	4	10	¥ 101,000 ※
M55 × 2	II	TH2055Q1	1.5P	135	50	-	-	44	35	38	4	10	¥ 101,000 ※
M55 × 1.5	II	TH2055O5	5P	135	45	-	-	44	35	38	4	10	¥ 101,000 ※
M55 × 1.5	II	TH2055O1	1.5P	135	45	-	-	44	35	38	4	10	¥ 101,000 ※
M56 × 5.5	II	TH2056X5	5P	205	95	-	-	44	35	38	4	10	¥ 114,000 ※
M56 × 5.5	II	TH2056X1	1.5P	205	95	-	-	44	35	38	4	10	¥ 114,000 ※
M56 × 4	II	TH2056U5	5P	180	80	-	-	44	35	38	4	10	¥ 107,000 ※
M56 × 4	II	TH2056U1	1.5P	180	80	-	-	44	35	38	4	10	¥ 107,000 ※
M56 × 3	II	TH2056S5	5P	180	80	-	-	44	35	38	4	10	¥ 107,000 ※
M56 × 3	II	TH2056S1	1.5P	180	80	-	-	44	35	38	4	10	¥ 107,000 ※
M56 × 2	II	TH2056Q5	5P	135	50	-	-	44	35	38	4	10	¥ 103,000 ※
M56 × 2	II	TH2056Q1	1.5P	135	50	-	-	44	35	38	4	10	¥ 103,000 ※
M56 × 1.5	II	TH2056O5	5P	135	45	-	-	44	35	38	4	10	¥ 103,000 ※
M56 × 1.5	II	TH2056O1	1.5P	135	45	-	-	44	35	38	4	10	¥ 103,000 ※
M58 × 4	II	TH2058U5	5P	180	80	-	-	46	35	38	4	10	¥ 121,000 ※
M58 × 4	II	TH2058U1	1.5P	180	80	-	-	46	35	38	4	10	¥ 121,000 ※
M58 × 3	II	TH2058S5	5P	180	80	-	-	46	35	38	4	10	¥ 121,000 ※
M58 × 3	II	TH2058S1	1.5P	180	80	-	-	46	35	38	4	10	¥ 121,000 ※
M58 × 2	II	TH2058Q5	5P	135	50	-	-	46	35	38	4	10	¥ 112,000 ※
M58 × 2	II	TH2058Q1	1.5P	135	50	-	-	46	35	38	4	10	¥ 112,000 ※
M58 × 1.5	II	TH2058O5	5P	135	45	-	-	46	35	38	4	10	¥ 112,000 ※
M58 × 1.5	II	TH2058O1	1.5P	135	45	-	-	46	35	38	4	10	¥ 112,000 ※
M60 × 5.5	II	TH2060X5	5P	215	100	-	-	46	35	38	4	10	¥ 138,000 ※
M60 × 5.5	II	TH2060X1	1.5P	215	100	-	-	46	35	38	4	10	¥ 138,000 ※
M60 × 4	II	TH2060U5	5P	185	85	-	-	46	35	38	4	10	¥ 128,000 ※
M60 × 4	II	TH2060U1	1.5P	185	85	-	-	46	35	38	4	10	¥ 128,000 ※
M60 × 3	II	TH2060S5	5P	185	85	-	-	46	35	38	4	10	¥ 128,000 ※
M60 × 3	II	TH2060S1	1.5P	185	85	-	-	46	35	38	4	10	¥ 128,000 ※
M60 × 2	II	TH2060Q5	5P	140	55	-	-	46	35	38	4	10	¥ 116,000 ※
M60 × 2	II	TH2060Q1	1.5P	140	55	-	-	46	35	38	4	10	¥ 116,000 ※
M60 × 1.5	II	TH2060O5	5P	140	45	-	-	46	35	38	4	10	¥ 116,000 ※
M60 × 1.5	II	TH2060O1	1.5P	140	45	-	-	46	35	38	4	10	¥ 116,000 ※
M62 × 4	II	TH2062U5	5P	185	85	-	-	48	38	42	4	10	¥ 143,000 ※
M62 × 4	II	TH2062U1	1.5P	185	85	-	-	48	38	42	4	10	¥ 143,000 ※
M62 × 3	II	TH2062S5	5P	185	85	-	-	48	38	42	4	10	¥ 143,000 ※
M62 × 3	II	TH2062S1	1.5P	185	85	-	-	48	38	42	4	10	¥ 143,000 ※

- 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

※ = 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 Hand Taps

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

Size	Class	Code	Chamfer	L (mm)	ℓ (mm)	ℓn (mm)	ℓs (mm)	Ds (mm)	K (mm)	ℓk (mm)	No. of flutes	TYPE	MSRP
M62 × 2	II	TH2062Q5	5P	140	55	-	-	48	38	42	4	10	¥128,000*
M62 × 2	II	TH2062Q1	1.5P	140	55	-	-	48	38	42	4	10	¥128,000*
M62 × 1.5	II	TH2062O5	5P	140	45	-	-	48	38	42	4	10	¥128,000*
M62 × 1.5	II	TH2062O1	1.5P	140	45	-	-	48	38	42	4	10	¥128,000*
M64 × 6	II	TH2064Y5	5P	225	105	-	-	48	38	42	4	10	¥164,000*
M64 × 6	II	TH2064Y1	1.5P	225	105	-	-	48	38	42	4	10	¥164,000*
M64 × 4	II	TH2064U5	5P	185	85	-	-	48	38	42	4	10	¥151,000*
M64 × 4	II	TH2064U1	1.5P	185	85	-	-	48	38	42	4	10	¥151,000*
M64 × 3	II	TH2064S5	5P	185	85	-	-	48	38	42	4	10	¥151,000*
M64 × 3	II	TH2064S1	1.5P	185	85	-	-	48	38	42	4	10	¥151,000*
M64 × 2	II	TH2064Q5	5P	140	55	-	-	48	38	42	4	10	¥137,000*
M64 × 2	II	TH2064Q1	1.5P	140	55	-	-	48	38	42	4	10	¥137,000*
M64 × 1.5	II	TH2064O5	5P	140	45	-	-	48	38	42	4	10	¥137,000*
M64 × 1.5	II	TH2064O1	1.5P	140	45	-	-	48	38	42	4	10	¥137,000*
M65 × 6	II	TH2065Y5	5P	225	105	-	-	50	38	42	4	10	¥170,000*
M65 × 6	II	TH2065Y1	1.5P	225	105	-	-	50	38	42	4	10	¥170,000*
M65 × 4	II	TH2065U5	5P	185	85	-	-	50	38	42	4	10	¥153,000*
M65 × 4	II	TH2065U1	1.5P	185	85	-	-	50	38	42	4	10	¥153,000*
M65 × 3	II	TH2065S5	5P	185	85	-	-	50	38	42	4	10	¥153,000*
M65 × 3	II	TH2065S1	1.5P	185	85	-	-	50	38	42	4	10	¥153,000*
M65 × 2	II	TH2065Q5	5P	140	55	-	-	50	38	42	4	10	¥143,000*
M65 × 2	II	TH2065Q1	1.5P	140	55	-	-	50	38	42	4	10	¥143,000*
M65 × 1.5	II	TH2065O5	5P	140	45	-	-	50	38	42	4	10	¥143,000*
M65 × 1.5	II	TH2065O1	1.5P	140	45	-	-	50	38	42	4	10	¥143,000*
M68 × 6	II	TH2068Y5	5P	235	110	-	-	52	41	44	4	10	¥189,000*
M68 × 6	II	TH2068Y1	1.5P	235	110	-	-	52	41	44	4	10	¥189,000*
M68 × 4	II	TH2068U5	5P	190	85	-	-	52	41	44	4	10	¥170,000*
M68 × 4	II	TH2068U1	1.5P	190	85	-	-	52	41	44	4	10	¥170,000*
M68 × 3	II	TH2068S5	5P	190	85	-	-	52	41	44	4	10	¥170,000*
M68 × 3	II	TH2068S1	1.5P	190	85	-	-	52	41	44	4	10	¥170,000*
M68 × 2	II	TH2068Q5	5P	140	55	-	-	52	41	44	4	10	¥159,000*
M68 × 2	II	TH2068Q1	1.5P	140	55	-	-	52	41	44	4	10	¥159,000*
M68 × 1.5	II	TH2068O5	5P	140	45	-	-	52	41	44	4	10	¥159,000*
M68 × 1.5	II	TH2068O1	1.5P	140	45	-	-	52	41	44	4	10	¥159,000*
M70 × 6	II	TH2070Y5	5P	240	115	-	-	55	41	44	4	10	¥199,000*
M70 × 6	II	TH2070Y1	1.5P	240	115	-	-	55	41	44	4	10	¥199,000*
M70 × 4	II	TH2070U5	5P	190	85	-	-	55	41	44	4	10	¥180,000*
M70 × 4	II	TH2070U1	1.5P	190	85	-	-	55	41	44	4	10	¥180,000*
M70 × 3	II	TH2070S5	5P	190	85	-	-	55	41	44	4	10	¥180,000*
M70 × 3	II	TH2070S1	1.5P	190	85	-	-	55	41	44	4	10	¥180,000*
M70 × 2	II	TH2070Q5	5P	140	55	-	-	55	41	44	4	10	¥167,000*
M70 × 2	II	TH2070Q1	1.5P	140	55	-	-	55	41	44	4	10	¥167,000*
M70 × 1.5	II	TH2070O5	5P	140	45	-	-	55	41	44	4	10	¥167,000*
M70 × 1.5	II	TH2070O1	1.5P	140	45	-	-	55	41	44	4	10	¥167,000*
M72 × 6	II	TH2072Y5	5P	240	115	-	-	55	41	44	4	10	¥219,000*
M72 × 6	II	TH2072Y1	1.5P	240	115	-	-	55	41	44	4	10	¥219,000*
M72 × 4	II	TH2072U5	5P	190	85	-	-	55	41	44	4	10	¥200,000*
M72 × 4	II	TH2072U1	1.5P	190	85	-	-	55	41	44	4	10	¥200,000*
M72 × 3	II	TH2072S5	5P	190	85	-	-	55	41	44	4	10	¥200,000*
M72 × 3	II	TH2072S1	1.5P	190	85	-	-	55	41	44	4	10	¥200,000*



* = 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 Hand Taps

Size	Class	Code	Chamfer	L (mm)	ℓ (mm)	ℓn (mm)	ℓs (mm)	Ds (mm)	K (mm)	ℓk (mm)	No. of flutes	TYPE	MSRP
M72 × 2	II	TH2072Q5	5P	140	55	-	-	55	41	44	4	10	¥185,000*
M72 × 2	II	TH2072Q1	1.5P	140	55	-	-	55	41	44	4	10	¥185,000*
M72 × 1.5	II	TH2072O5	5P	140	45	-	-	55	41	44	4	10	¥185,000*
M72 × 1.5	II	TH2072O1	1.5P	140	45	-	-	55	41	44	4	10	¥185,000*
M75 × 6	II	TH2075Y5	5P	240	115	-	-	58	46	50	4	10	¥226,000*
M75 × 6	II	TH2075Y1	1.5P	240	115	-	-	58	46	50	4	10	¥226,000*
M75 × 4	II	TH2075U5	5P	190	85	-	-	58	46	50	4	10	¥211,000*
M75 × 4	II	TH2075U1	1.5P	190	85	-	-	58	46	50	4	10	¥211,000*
M75 × 3	II	TH2075S5	5P	190	85	-	-	58	46	50	4	10	¥211,000*
M75 × 3	II	TH2075S1	1.5P	190	85	-	-	58	46	50	4	10	¥211,000*
M75 × 2	II	TH2075Q5	5P	145	55	-	-	58	46	50	4	10	¥197,000*
M75 × 2	II	TH2075Q1	1.5P	145	55	-	-	58	46	50	4	10	¥197,000*
M75 × 1.5	II	TH2075O5	5P	145	50	-	-	58	46	50	4	10	¥197,000*
M75 × 1.5	II	TH2075O1	1.5P	145	50	-	-	58	46	50	4	10	¥197,000*
M76 × 6	II	TH2076Y5	5P	240	115	-	-	58	46	50	4	10	¥238,000*
M76 × 6	II	TH2076Y1	1.5P	240	115	-	-	58	46	50	4	10	¥238,000*
M76 × 4	II	TH2076U5	5P	190	85	-	-	58	46	50	4	10	¥220,000*
M76 × 4	II	TH2076U1	1.5P	190	85	-	-	58	46	50	4	10	¥220,000*
M76 × 3	II	TH2076S5	5P	190	85	-	-	58	46	50	4	10	¥220,000*
M76 × 3	II	TH2076S1	1.5P	190	85	-	-	58	46	50	4	10	¥220,000*
M76 × 2	II	TH2076Q5	5P	145	55	-	-	58	46	50	4	10	¥205,000*
M76 × 2	II	TH2076Q1	1.5P	145	55	-	-	58	46	50	4	10	¥205,000*
M76 × 1.5	II	TH2076O5	5P	145	50	-	-	58	46	50	4	10	¥205,000*
M76 × 1.5	II	TH2076O1	1.5P	145	50	-	-	58	46	50	4	10	¥205,000*
M78 × 3	II	TH2078S5	5P	190	85	-	-	58	46	50	6	10	¥238,000*
M78 × 3	II	TH2078S1	1.5P	190	85	-	-	58	46	50	6	10	¥238,000*
M78 × 2	II	TH2078Q5	5P	150	55	-	-	58	46	50	6	10	¥221,000*
M78 × 2	II	TH2078Q1	1.5P	150	55	-	-	58	46	50	6	10	¥221,000*
M80 × 6	II	TH2080Y5	5P	245	115	-	-	58	46	50	6	10	¥277,000*
M80 × 6	II	TH2080Y1	1.5P	245	115	-	-	58	46	50	6	10	¥277,000*
M80 × 4	II	TH2080U5	5P	190	85	-	-	58	46	50	6	10	¥247,000*
M80 × 4	II	TH2080U1	1.5P	190	85	-	-	58	46	50	6	10	¥247,000*
M80 × 3	II	TH2080S5	5P	190	85	-	-	58	46	50	6	10	¥247,000*
M80 × 3	II	TH2080S1	1.5P	190	85	-	-	58	46	50	6	10	¥247,000*
M80 × 2	II	TH2080Q5	5P	145	55	-	-	58	46	50	6	10	¥234,000*
M80 × 2	II	TH2080Q1	1.5P	145	55	-	-	58	46	50	6	10	¥234,000*
M80 × 1.5	II	TH2080O5	5P	145	50	-	-	58	46	50	6	10	¥234,000*
M80 × 1.5	II	TH2080O1	1.5P	145	50	-	-	58	46	50	6	10	¥234,000*
M82 × 2	II	TH2082Q5	5P	145	55	-	-	58	46	50	6	10	¥254,000*
M82 × 2	II	TH2082Q1	1.5P	145	55	-	-	58	46	50	6	10	¥254,000*
M85 × 6	II	TH2085Y5	5P	245	115	-	-	60	46	50	6	10	¥314,000*
M85 × 6	II	TH2085Y1	1.5P	245	115	-	-	60	46	50	6	10	¥314,000*
M85 × 4	II	TH2085U5	5P	190	85	-	-	60	46	50	6	10	¥277,000*
M85 × 4	II	TH2085U1	1.5P	190	85	-	-	60	46	50	6	10	¥277,000*
M85 × 3	II	TH2085S5	5P	190	85	-	-	60	46	50	6	10	¥277,000*
M85 × 3	II	TH2085S1	1.5P	190	85	-	-	60	46	50	6	10	¥277,000*
M85 × 2	II	TH2085Q5	5P	150	55	-	-	60	46	50	6	10	¥270,000*
M85 × 2	II	TH2085Q1	1.5P	150	55	-	-	60	46	50	6	10	¥270,000*
M90 × 6	II	TH2090Y5	5P	250	120	-	-	60	46	50	6	10	¥362,000*
M90 × 6	II	TH2090Y1	1.5P	250	120	-	-	60	46	50	6	10	¥362,000*

- 4
- JIS
- 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

* = 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 Hand Taps

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

Size	Class	Code	Chamfer	L (mm)	ℓ (mm)	ℓn (mm)	ℓs (mm)	Ds (mm)	K (mm)	ℓk (mm)	No. of flutes	TYPE	MSRP
M90 × 4	II	TH2090U5	5P	195	90	-	-	60	46	50	6	10	¥ 326,000*
M90 × 4	II	TH2090U1	1.5P	195	90	-	-	60	46	50	6	10	¥ 326,000*
M90 × 3	II	TH2090S5	5P	195	90	-	-	60	46	50	6	10	¥ 326,000*
M90 × 3	II	TH2090S1	1.5P	195	90	-	-	60	46	50	6	10	¥ 326,000*
M90 × 2	II	TH2090Q5	5P	155	60	-	-	60	46	50	6	10	¥ 308,000*
M90 × 2	II	TH2090Q1	1.5P	155	60	-	-	60	46	50	6	10	¥ 308,000*
M95 × 6	II	TH2095Y5	5P	250	120	-	-	65	50	52	6	10	¥ 409,000*
M95 × 6	II	TH2095Y1	1.5P	250	120	-	-	65	50	52	6	10	¥ 409,000*
M95 × 4	II	TH2095U5	5P	200	90	-	-	65	50	52	6	10	¥ 373,000*
M95 × 4	II	TH2095U1	1.5P	200	90	-	-	65	50	52	6	10	¥ 373,000*
M95 × 3	II	TH2095S5	5P	200	90	-	-	65	50	52	6	10	¥ 373,000*
M95 × 3	II	TH2095S1	1.5P	200	90	-	-	65	50	52	6	10	¥ 373,000*
M95 × 2	II	TH2095Q5	5P	155	60	-	-	65	50	52	6	10	¥ 353,000*
M95 × 2	II	TH2095Q1	1.5P	155	60	-	-	65	50	52	6	10	¥ 353,000*
M100 × 6	II	TH2100Y5	5P	250	120	-	-	65	50	52	6	10	¥ 461,000*
M100 × 6	II	TH2100Y1	1.5P	250	120	-	-	65	50	52	6	10	¥ 461,000*
M100 × 4	II	TH2100U5	5P	200	90	-	-	65	50	52	6	10	¥ 425,000*
M100 × 4	II	TH2100U1	1.5P	200	90	-	-	65	50	52	6	10	¥ 425,000*
M100 × 3	II	TH2100S5	5P	200	90	-	-	65	50	52	6	10	¥ 425,000*
M100 × 3	II	TH2100S1	1.5P	200	90	-	-	65	50	52	6	10	¥ 425,000*
M100 × 2	II	TH2100Q5	5P	155	60	-	-	65	50	52	6	10	¥ 397,000*
M100 × 2	II	TH2100Q1	1.5P	155	60	-	-	65	50	52	6	10	¥ 397,000*
For Unified Threads													
No.0-80UNF	P1	TNMPUN0B5	5P	36	6.3	-	24	3	2.5	5	3	2	¥ 3,170
No.0-80UNF	P1	TNMPUN0B1	1.5P	36	6.3	-	24	3	2.5	5	3	2	¥ 3,170
No.1-64UNC	P1	TNMPUN1D5	5P	42	7.2	-	27	3	2.5	5	3	2	¥ 3,170*
No.1-64UNC	P1	TNMPUN1D1	1.5P	42	7.2	-	27	3	2.5	5	3	2	¥ 3,170*
No.1-72UNF	P1	TNMPUN1C5	5P	42	7.2	-	27	3	2.5	5	3	2	¥ 3,170
No.1-72UNF	P1	TNMPUN1C1	1.5P	42	7.2	-	27	3	2.5	5	3	2	¥ 3,170
No.2-56UNC	P1	TNMPUN2E5	5P	42	8.1	12	27	3	2.5	5	3	3	¥ 2,230
No.2-56UNC	P1	TNMPUN2E1	1.5P	42	8.1	12	27	3	2.5	5	3	3	¥ 2,230
No.2-64UNF	P1	TNMPUN2D5	5P	42	8.1	12	27	3	2.5	5	3	3	¥ 2,230*
No.2-64UNF	P1	TNMPUN2D1	1.5P	42	8.1	12	27	3	2.5	5	3	3	¥ 2,230*
No.3-48UNC	P1	TNMPUN3F5	5P	46	8.1	14	29	3	2.5	5	3	3	¥ 1,890*
No.3-48UNC	P1	TNMPUN3F1	1.5P	46	8.1	14	29	3	2.5	5	3	3	¥ 1,890*
No.3-56UNF	P1	TNMPUN3E5	5P	46	8.1	14	29	3	2.5	5	3	3	¥ 1,890*
No.3-56UNF	P1	TNMPUN3E1	1.5P	46	8.1	14	29	3	2.5	5	3	3	¥ 1,890*
No.4-40UNC	P2	TNMQUN4H5	5P	46	9	14	25	4	3.2	6	3	3	¥ 1,440
No.4-40UNC	P2	TNMQUN4H1	1.5P	46	9	14	25	4	3.2	6	3	3	¥ 1,440
No.4-40UNC	P3	TNMRUN4H5	5P	46	9	14	25	4	3.2	6	3	3	¥ 1,440*
No.4-40UNC	P3	TNMRUN4H1	1.5P	46	9	14	25	4	3.2	6	3	3	¥ 1,440*
No.4-48UNF	P1	TNMPUN4F5	5P	46	9	14	25	4	3.2	6	3	3	¥ 1,440*
No.4-48UNF	P1	TNMPUN4F1	1.5P	46	9	14	25	4	3.2	6	3	3	¥ 1,440*
No.4-48UNF	P3	TNMRUN4F5	5P	46	9	14	25	4	3.2	6	3	3	¥ 1,440*
No.4-48UNF	P3	TNMRUN4F1	1.5P	46	9	14	25	4	3.2	6	3	3	¥ 1,440*
No.5-40UNC	P2	TNMQUN5H5	5P	52	11	16	28	5	4	7	3	3	¥ 1,340*
No.5-40UNC	P2	TNMQUN5H1	1.5P	52	11	16	28	5	4	7	3	3	¥ 1,340*
No.5-40UNC	P3	TNMRUN5H5	5P	52	11	16	28	5	4	7	3	3	¥ 1,340*
No.5-40UNC	P3	TNMRUN5H1	1.5P	52	11	16	28	5	4	7	3	3	¥ 1,340*
No.5-44UNF	P1	TNMPUN5G5	5P	52	11	16	28	5	4	7	3	3	¥ 1,340*



* = 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 Hand Taps

Size	Class	Code	Chamfer	L (mm)	ℓ (mm)	ℓn (mm)	ℓs (mm)	Ds (mm)	K (mm)	ℓk (mm)	No. of flutes	TYPE	MSRP
No.5-44UNF	P1	TNMPUN5G1	1.5P	52	11	16	28	5	4	7	3	3	¥ 1,340*
No.5-44UNF	P3	TNMRUN5G5	5P	52	11	16	28	5	4	7	3	3	¥ 1,340*
No.5-44UNF	P3	TNMRUN5G1	1.5P	52	11	16	28	5	4	7	3	3	¥ 1,340*
No.6-32UNC	P2	TNMQUN6J5	5P	52	11	17	27	5	4	7	3	3	¥ 1,340
No.6-32UNC	P2	TNMQUN6J1	1.5P	52	11	17	27	5	4	7	3	3	¥ 1,340
No.6-32UNC	P3	TNMRUN6J5	5P	52	11	17	27	5	4	7	3	3	¥ 1,340*
No.6-32UNC	P3	TNMRUN6J1	1.5P	52	11	17	27	5	4	7	3	3	¥ 1,340*
No.6-40UNF	P2	TNMQUN6H5	5P	52	11	17	27	5	4	7	3	3	¥ 1,340*
No.6-40UNF	P2	TNMQUN6H1	1.5P	52	11	17	27	5	4	7	3	3	¥ 1,340*
No.6-40UNF	P3	TNMRUN6H5	5P	52	11	17	27	5	4	7	3	3	¥ 1,340*
No.6-40UNF	P3	TNMRUN6H1	1.5P	52	11	17	27	5	4	7	3	3	¥ 1,340*
No.8-32UNC	P2	TNMQUN8J5	5P	60	13	22	31	5.5	4.5	7	4	3	¥ 1,350
No.8-32UNC	P2	TNMQUN8J1	1.5P	60	13	22	31	5.5	4.5	7	4	3	¥ 1,350
No.8-32UNC	P3	TNMRUN8J5	5P	60	13	22	31	5.5	4.5	7	4	3	¥ 1,350*
No.8-32UNC	P3	TNMRUN8J1	1.5P	60	13	22	31	5.5	4.5	7	4	3	¥ 1,350*
No.8-32UNC	P4	TNMSUN8J5	5P	60	13	22	31	5.5	4.5	7	4	3	¥ 1,350*
No.8-32UNC	P4	TNMSUN8J1	1.5P	60	13	22	31	5.5	4.5	7	4	3	¥ 1,350*
No.8-36UNF	P2	TNMQUN8I5	5P	60	13	22	31	5.5	4.5	7	4	3	¥ 1,350*
No.8-36UNF	P2	TNMQUN8I1	1.5P	60	13	22	31	5.5	4.5	7	4	3	¥ 1,350*
No.8-36UNF	P3	TNMRUN8I5	5P	60	13	22	31	5.5	4.5	7	4	3	¥ 1,350*
No.8-36UNF	P3	TNMRUN8I1	1.5P	60	13	22	31	5.5	4.5	7	4	3	¥ 1,350*
No.10-24UNC	P2	TNMQUNAM5	5P	60	13	22	32	5.5	4.5	7	4	3	¥ 1,350
No.10-24UNC	P2	TNMQUNAM1	1.5P	60	13	22	32	5.5	4.5	7	4	3	¥ 1,350
No.10-24UNC	P3	TNMRUNAM5	5P	60	13	22	32	5.5	4.5	7	4	3	¥ 1,350*
No.10-24UNC	P3	TNMRUNAM1	1.5P	60	13	22	32	5.5	4.5	7	4	3	¥ 1,350*
No.10-32UNF	P2	TNMQUNAJ5	5P	60	13	22	32	5.5	4.5	7	4	3	¥ 1,350
No.10-32UNF	P2	TNMQUNAJ1	1.5P	60	13	22	32	5.5	4.5	7	4	3	¥ 1,350
No.10-32UNF	P3	TNMRUNAJ5	5P	60	13	22	32	5.5	4.5	7	4	3	¥ 1,350*
No.10-32UNF	P3	TNMRUNAJ1	1.5P	60	13	22	32	5.5	4.5	7	4	3	¥ 1,350*
No.12-24UNC	P2	TNMQUNCM5	5P	62	15	26	32	6	4.5	7	4	3	¥ 1,450*
No.12-24UNC	P2	TNMQUNCM1	1.5P	62	15	26	32	6	4.5	7	4	3	¥ 1,450*
No.12-24UNC	P3	TNMRUNCM5	5P	62	15	26	32	6	4.5	7	4	3	¥ 1,450*
No.12-28UNF	P2	TNMQUNCK5	5P	62	15	26	32	6	4.5	7	4	3	¥ 1,450*
No.12-28UNF	P2	TNMQUNCK1	1.5P	62	15	26	32	6	4.5	7	4	3	¥ 1,450*
No.12-28UNF	P3	TNMRUNCK5	5P	62	15	26	32	6	4.5	7	4	3	¥ 1,450*
No.12-28UNF	P3	TNMRUNCK1	1.5P	62	15	26	32	6	4.5	7	4	3	¥ 1,450*
No.12-32UNEF	P2	TNMQUNCJ5	5P	62	15	26	32	6	4.5	7	4	3	¥ 2,160*
No.12-32UNEF	P2	TNMQUNCJ1	1.5P	62	15	26	32	6	4.5	7	4	3	¥ 2,160*
1/4-20UNC	P2	TNMQU04N5	5P	62	15	26	33	6	4.5	7	4	3	¥ 1,450
1/4-20UNC	P2	TNMQU04N1	1.5P	62	15	26	33	6	4.5	7	4	3	¥ 1,450
1/4-20UNC	P3	TNMRU04N5	5P	62	15	26	33	6	4.5	7	4	3	¥ 1,450*
1/4-20UNC	P3	TNMRU04N1	1.5P	62	15	26	33	6	4.5	7	4	3	¥ 1,450*
1/4-20UNC	P4	TNMSU04N5	5P	62	15	26	33	6	4.5	7	4	3	¥ 1,450*
1/4-20UNC	P4	TNMSU04N1	1.5P	62	15	26	33	6	4.5	7	4	3	¥ 1,450*
1/4-28UNF	P2	TNMQU04K5	5P	62	15	26	33	6	4.5	7	4	3	¥ 1,450
1/4-28UNF	P2	TNMQU04K1	1.5P	62	15	26	33	6	4.5	7	4	3	¥ 1,450
1/4-28UNF	P4	TNMSU04K5	5P	62	15	26	33	6	4.5	7	4	3	¥ 1,450*
1/4-28UNF	P4	TNMSU04K1	1.5P	62	15	26	33	6	4.5	7	4	3	¥ 1,450*
1/4-32UNEF	P2	TNMQU04J5	5P	62	15	26	33	6	4.5	7	4	3	¥ 2,160*
1/4-32UNEF	P2	TNMQU04J1	1.5P	62	15	26	33	6	4.5	7	4	3	¥ 2,160*

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 Hand Taps

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

Size	Class	Code	Chamfer	L (mm)	ℓ (mm)	ℓn (mm)	ℓs (mm)	Ds (mm)	K (mm)	ℓk (mm)	No. of flutes	TYPE	MSRP
1/4-36UNS	P2	TNMQU04I5	5P	62	15	26	33	6	4.5	7	4	3	¥ 2,510*
1/4-36UNS	P2	TNMQU04I1	1.5P	62	15	26	33	6	4.5	7	4	3	¥ 2,510*
5/16-18UNC	P3	TNMRU05O5	5P	70	19	-	36	6.2	5	8	4	6	¥ 2,010
5/16-18UNC	P3	TNMRU05O1	1.5P	70	19	-	36	6.2	5	8	4	6	¥ 2,010
5/16-18UNC	P4	TNMSU05O5	5P	70	19	-	36	6.2	5	8	4	6	¥ 2,010*
5/16-18UNC	P4	TNMSU05O1	1.5P	70	19	-	36	6.2	5	8	4	6	¥ 2,010*
5/16-24UNF	P2	TNMQU05M5	5P	70	19	-	36	6.2	5	8	4	6	¥ 2,010
5/16-24UNF	P2	TNMQU05M1	1.5P	70	19	-	36	6.2	5	8	4	6	¥ 2,010
5/16-24UNF	P4	TNMSU05M5	5P	70	19	-	36	6.2	5	8	4	6	¥ 2,010*
5/16-24UNF	P4	TNMSU05M1	1.5P	70	19	-	36	6.2	5	8	4	6	¥ 2,010*
5/16-32UNEF	P2	TNMQU05J5	5P	70	19	-	36	6.2	5	8	4	6	¥ 2,800*
5/16-32UNEF	P2	TNMQU05J1	1.5P	70	19	-	36	6.2	5	8	4	6	¥ 2,800*
3/8-16UNC	P3	TNMRU06P5	5P	75	23	-	38	7	5.5	8	4	6	¥ 2,580
3/8-16UNC	P3	TNMRU06P1	1.5P	75	23	-	38	7	5.5	8	4	6	¥ 2,580
3/8-16UNC	P4	TNMSU06P5	5P	75	23	-	38	7	5.5	8	4	6	¥ 2,580*
3/8-16UNC	P4	TNMSU06P1	1.5P	75	23	-	38	7	5.5	8	4	6	¥ 2,580*
3/8-24UNF	P3	TNMRU06M5	5P	75	23	-	38	7	5.5	8	4	6	¥ 2,580
3/8-24UNF	P3	TNMRU06M1	1.5P	75	23	-	38	7	5.5	8	4	6	¥ 2,580
3/8-24UNF	P4	TNMSU06M5	5P	75	23	-	38	7	5.5	8	4	6	¥ 2,580*
3/8-24UNF	P4	TNMSU06M1	1.5P	75	23	-	38	7	5.5	8	4	6	¥ 2,580*
3/8-32UNEF	P2	TNMQU06J5	5P	75	13	-	38	7	5.5	8	4	7	¥ 3,210*
3/8-32UNEF	P2	TNMQU06J1	1.5P	75	13	-	38	7	5.5	8	4	7	¥ 3,210*
7/16-14UNC	P3	TNMRU07Q5	5P	82	26	-	42	8.5	6.5	9	4	6	¥ 3,620
7/16-14UNC	P3	TNMRU07Q1	1.5P	82	26	-	42	8.5	6.5	9	4	6	¥ 3,620
7/16-14UNC	P4	TNMSU07Q5	5P	82	26	-	42	8.5	6.5	9	4	6	¥ 3,620*
7/16-14UNC	P4	TNMSU07Q1	1.5P	82	26	-	42	8.5	6.5	9	4	6	¥ 3,620*
7/16-20UNF	P3	TNMRU07N5	5P	82	26	-	42	8.5	6.5	9	4	6	¥ 3,620
7/16-20UNF	P3	TNMRU07N1	1.5P	82	26	-	42	8.5	6.5	9	4	6	¥ 3,620
7/16-20UNF	P4	TNMSU07N5	5P	82	26	-	42	8.5	6.5	9	4	6	¥ 3,620*
7/16-20UNF	P4	TNMSU07N1	1.5P	82	26	-	42	8.5	6.5	9	4	6	¥ 3,620*
7/16-24UNS	P3	TNMRU07M5	5P	82	26	-	42	8.5	6.5	9	4	6	¥ 4,720*
7/16-24UNS	P3	TNMRU07M1	1.5P	82	26	-	42	8.5	6.5	9	4	6	¥ 4,720*
7/16-28UNEF	P2	TNMQU07K5	5P	82	26	-	42	8.5	6.5	9	4	6	¥ 4,720*
7/16-28UNEF	P2	TNMQU07K1	1.5P	82	26	-	42	8.5	6.5	9	4	6	¥ 4,720*
1/2-13UNC	P3	TNMRU08R5	5P	88	26	-	45	10.5	8	11	4	6	¥ 3,840
1/2-13UNC	P3	TNMRU08R1	1.5P	88	26	-	45	10.5	8	11	4	6	¥ 3,840
1/2-13UNC	P4	TNMSU08R5	5P	88	26	-	45	10.5	8	11	4	6	¥ 3,840*
1/2-13UNC	P4	TNMSU08R1	1.5P	88	26	-	45	10.5	8	11	4	6	¥ 3,840*
1/2-20UNF	P3	TNMRU08N5	5P	88	26	-	45	10.5	8	11	4	6	¥ 3,840
1/2-20UNF	P3	TNMRU08N1	1.5P	88	26	-	45	10.5	8	11	4	6	¥ 3,840
1/2-20UNF	P4	TNMSU08N5	5P	88	26	-	45	10.5	8	11	4	6	¥ 3,840*
1/2-20UNF	P4	TNMSU08N1	1.5P	88	26	-	45	10.5	8	11	4	6	¥ 3,840*
1/2-24UNS	P3	TNMRU08M5	5P	88	26	-	45	10.5	8	11	4	6	¥ 5,680*
1/2-24UNS	P3	TNMRU08M1	1.5P	88	26	-	45	10.5	8	11	4	6	¥ 5,680*
1/2-28UNEF	P2	TNMQU08K5	5P	88	26	-	45	10.5	8	11	4	6	¥ 5,680*
1/2-28UNEF	P2	TNMQU08K1	1.5P	88	26	-	45	10.5	8	11	4	6	¥ 5,680*
1/2-32UN	P2	TNMQU08J5	5P	88	14	-	45	10.5	8	11	4	7	¥ 5,680*
1/2-32UN	P2	TNMQU08J1	1.5P	88	14	-	45	10.5	8	11	4	7	¥ 5,680*
9/16-12UNC	P3	TNMRU09S5	5P	95	26	-	48	12.5	10	13	4	6	¥ 5,740*
9/16-12UNC	P3	TNMRU09S1	1.5P	95	26	-	48	12.5	10	13	4	6	¥ 5,740*



* = 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 Hand Taps

Size	Class	Code	Chamfer	L (mm)	ℓ (mm)	ℓn (mm)	ℓs (mm)	Ds (mm)	K (mm)	ℓk (mm)	No. of flutes	TYPE	MSRP
9/16-18UNF	P3	TNMRU09O5	5P	95	26	-	48	12.5	10	13	4	6	¥ 5,740
9/16-18UNF	P3	TNMRU09O1	1.5P	95	26	-	48	12.5	10	13	4	6	¥ 5,740
9/16-18UNF	P4	TNMSU09O5	5P	95	26	-	48	12.5	10	13	4	6	¥ 5,740*
9/16-18UNF	P4	TNMSU09O1	1.5P	95	26	-	48	12.5	10	13	4	6	¥ 5,740*
9/16-20UN	P3	TNMRU09N5	5P	95	26	-	48	12.5	10	13	4	6	¥ 8,210*
9/16-20UN	P3	TNMRU09N1	1.5P	95	26	-	48	12.5	10	13	4	6	¥ 8,210*
9/16-24UNEF	P3	TNMRU09M5	5P	95	26	-	48	12.5	10	13	4	6	¥ 8,210*
9/16-24UNEF	P3	TNMRU09M1	1.5P	95	26	-	48	12.5	10	13	4	6	¥ 8,210*
5/8-11UNC	P4	TNMSU10U5	5P	95	26	-	48	12.5	10	13	4	6	¥ 5,740
5/8-11UNC	P4	TNMSU10U1	1.5P	95	26	-	48	12.5	10	13	4	6	¥ 5,740
5/8-18UNF	P3	TNMRU10O5	5P	95	26	-	48	12.5	10	13	4	6	¥ 5,740
5/8-18UNF	P3	TNMRU10O1	1.5P	95	26	-	48	12.5	10	13	4	6	¥ 5,740
5/8-18UNF	P4	TNMSU10O5	5P	95	26	-	48	12.5	10	13	4	6	¥ 5,740*
5/8-18UNF	P4	TNMSU10O1	1.5P	95	26	-	48	12.5	10	13	4	6	¥ 5,740*
5/8-20UN	P3	TNMRU10N5	5P	95	26	-	48	12.5	10	13	4	6	¥ 8,210*
5/8-20UN	P3	TNMRU10N1	1.5P	95	26	-	48	12.5	10	13	4	6	¥ 8,210*
5/8-24UNEF	P3	TNMRU10M5	5P	95	26	-	48	12.5	10	13	4	6	¥ 8,210*
5/8-24UNEF	P3	TNMRU10M1	1.5P	95	26	-	48	12.5	10	13	4	6	¥ 8,210*
3/4-10UNC	P4	TNMSU12V5	5P	105	33	-	50	15	12	15	4	8	¥ 10,400
3/4-10UNC	P4	TNMSU12V1	1.5P	105	33	-	50	15	12	15	4	8	¥ 10,400
3/4-16UNF	P3	TNMRU12P5	5P	105	33	-	50	15	12	15	4	8	¥ 10,400
3/4-16UNF	P3	TNMRU12P1	1.5P	105	33	-	50	15	12	15	4	8	¥ 10,400
3/4-16UNF	P4	TNMSU12P5	5P	105	33	-	50	15	12	15	4	8	¥ 10,400*
3/4-16UNF	P4	TNMSU12P1	1.5P	105	33	-	50	15	12	15	4	8	¥ 10,400*
3/4-20UNEF	P3	TNMRU12N5	5P	105	33	-	50	15	12	15	4	8	¥ 13,200*
3/4-20UNEF	P3	TNMRU12N1	1.5P	105	33	-	50	15	12	15	4	8	¥ 13,200*
7/8-9UNC	P4	TNMSU14W5	5P	115	33	-	55	17	13	16	4	8	¥ 14,800
7/8-9UNC	P4	TNMSU14W1	1.5P	115	33	-	55	17	13	16	4	8	¥ 14,800
7/8-14UNF	P4	TNMSU14Q5	5P	115	33	-	55	17	13	16	4	8	¥ 14,800
7/8-14UNF	P4	TNMSU14Q1	1.5P	115	33	-	55	17	13	16	4	8	¥ 14,800
7/8-20UNEF	P3	TNMRU14N5	5P	115	33	-	55	17	13	16	4	8	¥ 20,600*
7/8-20UNEF	P3	TNMRU14N1	1.5P	115	33	-	55	17	13	16	4	8	¥ 20,600*
1 -8UNC	P4	TNMSU16X5	5P	125	39	-	58	19	15	18	4	8	¥ 21,600
1 -8UNC	P4	TNMSU16X1	1.5P	125	39	-	58	19	15	18	4	8	¥ 21,600
1 -12UNF	P4	TNMSU16S5	5P	125	39	-	58	19	15	18	4	8	¥ 21,600
1 -12UNF	P4	TNMSU16S1	1.5P	125	39	-	58	19	15	18	4	8	¥ 21,600
1 -14UNS	P4	TNMSU16Q5	5P	125	39	-	58	19	15	18	4	8	¥ 28,600*
1 -14UNS	P4	TNMSU16Q1	1.5P	125	39	-	58	19	15	18	4	8	¥ 28,600*
1 -20UNEF	P3	TNMRU16N5	5P	125	39	-	58	19	15	18	4	8	¥ 28,600*
1 -20UNEF	P3	TNMRU16N1	1.5P	125	39	-	58	19	15	18	4	8	¥ 28,600*
1 1/16-12UN	P4	TNMSU17S5	5P	130	39	-	60	20	15	18	4	8	¥ 28,600*
1 1/16-12UN	P4	TNMSU17S1	1.5P	130	39	-	60	20	15	18	4	8	¥ 28,600*
1 1/16-14UNS	P4	TNMSU17Q5	5P	130	39	-	60	20	15	18	4	8	¥ 28,600*
1 1/16-14UNS	P4	TNMSU17Q1	1.5P	130	39	-	60	20	15	18	4	8	¥ 28,600*
1 1/8-7UNC	P5	TNMTU18Y5	5P	135	46	-	62	23	17	20	4	8	¥ 29,500*
1 1/8-7UNC	P5	TNMTU18Y1	1.5P	135	46	-	62	23	17	20	4	8	¥ 29,500*
1 1/8-8UN	P5	TNMTU18X5	5P	135	46	-	62	23	17	20	4	8	¥ 35,400*
1 1/8-8UN	P5	TNMTU18X1	1.5P	135	46	-	62	23	17	20	4	8	¥ 35,400*
1 1/8-12UNF	P4	TNMSU18S5	5P	135	46	-	62	23	17	20	4	8	¥ 29,500*
1 1/8-12UNF	P4	TNMSU18S1	1.5P	135	46	-	62	23	17	20	4	8	¥ 29,500*

- 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 Hand Taps

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

Size	Class	Code	Chamfer	L (mm)	ℓ (mm)	ℓn (mm)	ℓs (mm)	Ds (mm)	K (mm)	ℓk (mm)	No. of flutes	TYPE	MSRP
1 3/16-12UN	P4	TNMSU19S5	5P	145	46	-	67	24	19	22	4	8	¥ 35,400*
1 3/16-12UN	P4	TNMSU19S1	1.5P	145	46	-	67	24	19	22	4	8	¥ 35,400*
1 1/4-7UNC	P5	TNMTU20Y5	5P	145	46	-	67	24	19	22	4	8	¥ 34,400*
1 1/4-7UNC	P5	TNMTU20Y1	1.5P	145	46	-	67	24	19	22	4	8	¥ 34,400*
1 1/4-8UN	P5	TNMTU20X5	5P	145	46	-	67	24	19	22	4	8	¥ 41,200*
1 1/4-8UN	P5	TNMTU20X1	1.5P	145	46	-	67	24	19	22	4	8	¥ 41,200*
1 1/4-12UNF	P4	TNMSU20S5	5P	145	46	-	67	24	19	22	4	8	¥ 34,400*
1 1/4-12UNF	P4	TNMSU20S1	1.5P	145	46	-	67	24	19	22	4	8	¥ 34,400*
1 5/16-12UN	P4	TNMSU21S5	5P	155	52	-	71	28	21	24	4	8	¥ 41,200*
1 5/16-12UN	P4	TNMSU21S1	1.5P	155	52	-	71	28	21	24	4	8	¥ 41,200*
1 3/8-6UNC	P5	TNMTU22Z5	5P	155	52	-	71	28	21	24	4	8	¥ 39,900*
1 3/8-6UNC	P5	TNMTU22Z1	1.5P	155	52	-	71	28	21	24	4	8	¥ 39,900*
1 3/8-8UN	P5	TNMTU22X5	5P	155	52	-	71	28	21	24	4	8	¥ 47,900*
1 3/8-8UN	P5	TNMTU22X1	1.5P	155	52	-	71	28	21	24	4	8	¥ 47,900*
1 3/8-12UNF	P4	TNMSU22S5	5P	155	52	-	71	28	21	24	4	8	¥ 39,900*
1 3/8-12UNF	P4	TNMSU22S1	1.5P	155	52	-	71	28	21	24	4	8	¥ 39,900*
1 1/2-6UNC	P5	TNMTU24Z5	5P	165	52	-	76	30	23	26	4	8	¥ 57,100*
1 1/2-6UNC	P5	TNMTU24Z1	1.5P	165	52	-	76	30	23	26	4	8	¥ 57,100*
1 1/2-8UN	P5	TNMTU24X5	5P	165	52	-	76	30	23	26	4	8	¥ 57,100*
1 1/2-8UN	P5	TNMTU24X1	1.5P	165	52	-	76	30	23	26	4	8	¥ 57,100*
1 1/2-12UNF	P4	TNMSU24S5	5P	165	52	-	76	30	23	26	4	8	¥ 57,100*
1 1/2-12UNF	P4	TNMSU24S1	1.5P	165	52	-	76	30	23	26	4	8	¥ 57,100*
1 5/8-5UNS	P5	TNMTU2605	5P	175	59	-	81	32	26	30	4	8	¥ 58,500*
1 5/8-5UNS	P5	TNMTU2601	1.5P	175	59	-	81	32	26	30	4	8	¥ 58,500*
1 5/8-8UN	P5	TNMTU26X5	5P	175	59	-	81	32	26	30	4	8	¥ 66,900*
1 5/8-8UN	P5	TNMTU26X1	1.5P	175	59	-	81	32	26	30	4	8	¥ 66,900*
1 5/8-12UN	P4	TNMSU26S5	5P	175	59	-	81	32	26	30	4	8	¥ 66,900*
1 5/8-12UN	P4	TNMSU26S1	1.5P	175	59	-	81	32	26	30	4	8	¥ 66,900*
1 3/4-5UNC	P6	TNMTU2805	5P	180	59	-	83	35	26	30	4	8	¥ 79,600*
1 3/4-5UNC	P6	TNMTU2801	1.5P	180	59	-	83	35	26	30	4	8	¥ 79,600*
1 3/4-8UN	P5	TNMTU28X5	5P	180	59	-	83	35	26	30	4	8	¥ 79,600*
1 3/4-8UN	P5	TNMTU28X1	1.5P	180	59	-	83	35	26	30	4	8	¥ 79,600*
1 3/4-12UN	P4	TNMSU28S5	5P	180	59	-	83	35	26	30	4	8	¥ 79,600*
1 3/4-12UN	P4	TNMSU28S1	1.5P	180	59	-	83	35	26	30	4	8	¥ 79,600*
1 7/8-8UN	P5	TNMTU30X5	5P	185	65	-	85	38	29	32	4	8	¥ 92,200*
1 7/8-8UN	P5	TNMTU30X1	1.5P	185	65	-	85	38	29	32	4	8	¥ 92,200*
1 7/8-12UN	P4	TNMSU30S5	5P	185	65	-	85	38	29	32	4	8	¥ 92,200*
1 7/8-12UN	P4	TNMSU30S1	1.5P	185	65	-	85	38	29	32	4	8	¥ 92,200*
2 -4 1/2UNC	II	TH2U3295	5P	195	92	-	-	40	32	35	4	10	¥ 126,000*
2 -4 1/2UNC	II	TH2U3291	1.5P	195	92	-	-	40	32	35	4	10	¥ 126,000*
2 -8UN	II	TH2U32X5	5P	180	80	-	-	40	32	35	4	10	¥ 126,000*
2 -8UN	II	TH2U32X1	1.5P	180	80	-	-	40	32	35	4	10	¥ 126,000*
2 -12UN	II	TH2U32S5	5P	130	45	-	-	40	32	35	4	10	¥ 126,000*
2 -12UN	II	TH2U32S1	1.5P	130	45	-	-	40	32	35	4	10	¥ 126,000*
2 1/4-8UN	II	TH2U36X5	5P	180	80	-	-	44	35	38	4	10	¥ 138,000*
2 1/4-8UN	II	TH2U36X1	1.5P	180	80	-	-	44	35	38	4	10	¥ 138,000*
2 1/2-8UN	II	TH2U40X5	5P	185	85	-	-	48	38	42	4	10	¥ 189,000*
2 1/2-8UN	II	TH2U40X1	1.5P	185	85	-	-	48	38	42	4	10	¥ 189,000*
2 3/4-8UN	II	TH2U44X5	5P	190	85	-	-	55	41	44	4	10	¥ 233,000*



* = 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 Hand Taps

Size	Class	Code	Chamfer	L (mm)	ℓ (mm)	ℓn (mm)	ℓs (mm)	Ds (mm)	K (mm)	ℓk (mm)	No. of flutes	TYPE	MSRP
2 3/4-8UN	II	TH2U44X1	1.5P	190	85	-	-	55	41	44	4	10	¥233,000*
3 -8UN	II	TH2U48X5	5P	190	85	-	-	58	46	50	4	10	¥279,000*
3 -8UN	II	TH2U48X1	1.5P	190	85	-	-	58	46	50	4	10	¥279,000*
For Whitworth Threads													
1/16W60	P2	TNMQW01-5	5P	36	6.3	-	24	3	2.5	5	3	2	¥ 3,060*
1/16W60	P2	TNMQW01-1	1.5P	36	6.3	-	24	3	2.5	5	3	2	¥ 3,060*
3/32W48	P2	TNMQW1HF5	5P	46	8.1	14	28	3	2.5	5	3	3	¥ 1,890*
3/32W48	P2	TNMQW1HF1	1.5P	46	8.1	14	28	3	2.5	5	3	3	¥ 1,890*
1/8W40	P2	TNMQW02H5	5P	52	11	16	28	5	4	7	3	3	¥ 1,660*
1/8W40	P2	TNMQW02H1	1.5P	52	11	16	28	5	4	7	3	3	¥ 1,660*
5/32W32	P2	TNMQW2HJ5	5P	52	11	17	29	5	4	7	4	3	¥ 1,340*
5/32W32	P2	TNMQW2HJ1	1.5P	52	11	17	29	5	4	7	4	3	¥ 1,340*
3/16W24	P3	TNMRW03M5	5P	60	13	21	32	5.5	4.5	7	4	3	¥ 1,350*
3/16W24	P3	TNMRW03M1	1.5P	60	13	21	32	5.5	4.5	7	4	3	¥ 1,350*
7/32W24	P3	TNMRW3HM5	5P	62	15	26	32	6	4.5	7	4	3	¥ 1,450*
7/32W24	P3	TNMRW3HM1	1.5P	62	15	26	32	6	4.5	7	4	3	¥ 1,450*
1/4W20	P3	TNMRW04N5	5P	62	15	26	33	6	4.5	7	4	3	¥ 1,450*
1/4W20	P3	TNMRW04N1	1.5P	62	15	26	33	6	4.5	7	4	3	¥ 1,450*
5/16W18	P3	TNMRW05O5T	5P	70	19	-	36	6.2	5	8	3	6	¥ 2,010*
5/16W18	P3	TNMRW05O1T	1.5P	70	19	-	36	6.2	5	8	3	6	¥ 2,010*
5/16W18	P3	TNMRW05O5	5P	70	19	-	36	6.2	5	8	4	6	¥ 2,010*
5/16W18	P3	TNMRW05O1	1.5P	70	19	-	36	6.2	5	8	4	6	¥ 2,010*
3/8W16	P3	TNMRW06P5	5P	75	23	-	38	7	5.5	8	4	6	¥ 2,580*
3/8W16	P3	TNMRW06P1	1.5P	75	23	-	38	7	5.5	8	4	6	¥ 2,580*
7/16W14	P4	TNMSW07Q5	5P	82	26	-	42	8.5	6.5	9	4	6	¥ 3,620*
7/16W14	P4	TNMSW07Q1	1.5P	82	26	-	42	8.5	6.5	9	4	6	¥ 3,620*
1/2W12	P4	TNMSW08S5	5P	88	26	-	45	10.5	8	11	4	6	¥ 3,840*
1/2W12	P4	TNMSW08S1	1.5P	88	26	-	45	10.5	8	11	4	6	¥ 3,840*
9/16W12	P4	TNMSW09S5	5P	95	26	-	48	12.5	10	13	4	6	¥ 5,740*
9/16W12	P4	TNMSW09S1	1.5P	95	26	-	48	12.5	10	13	4	6	¥ 5,740*
5/8W11	P4	TNMSW10U5	5P	95	26	-	48	12.5	10	13	4	6	¥ 5,740*
5/8W11	P4	TNMSW10U1	1.5P	95	26	-	48	12.5	10	13	4	6	¥ 5,740*
3/4W10	P4	TNMSW12V5	5P	105	33	-	50	15	12	15	4	8	¥ 10,400*
3/4W10	P4	TNMSW12V1	1.5P	105	33	-	50	15	12	15	4	8	¥ 10,400*
7/8W9	P5	TNMTW14W5	5P	115	33	-	55	17	13	16	4	8	¥ 14,800*
7/8W9	P5	TNMTW14W1	1.5P	115	33	-	55	17	13	16	4	8	¥ 14,800*
1 W8	P5	TNMTW16X5	5P	125	39	-	58	19	15	18	4	8	¥ 21,600*
1 W8	P5	TNMTW16X1	1.5P	125	39	-	58	19	15	18	4	8	¥ 21,600*
1 1/8W7	P5	TNMTW18Y5	5P	135	46	-	62	23	17	20	4	8	¥ 29,500*
1 1/8W7	P5	TNMTW18Y1	1.5P	135	46	-	62	23	17	20	4	8	¥ 29,500*
1 1/4W7	P5	TNMTW20Y5	5P	145	46	-	67	24	19	22	4	8	¥ 34,400*
1 1/4W7	P5	TNMTW20Y1	1.5P	145	46	-	67	24	19	22	4	8	¥ 34,400*
1 3/8W6	P6	TNMUW22Z5	5P	155	52	-	71	28	21	24	4	8	¥ 39,900*
1 3/8W6	P6	TNMUW22Z1	1.5P	155	52	-	71	28	21	24	4	8	¥ 39,900*
1 1/2W6	P6	TNMUW24Z5	5P	165	52	-	76	30	23	26	4	8	¥ 57,100*
1 1/2W6	P6	TNMUW24Z1	1.5P	165	52	-	76	30	23	26	4	8	¥ 57,100*
1 5/8W5	P6	TNMUW26O5	5P	175	59	-	81	32	26	30	4	8	¥ 58,500*
1 5/8W5	P6	TNMUW26O1	1.5P	175	59	-	81	32	26	30	4	8	¥ 58,500*
1 3/4W5	P6	TNMUW28O5	5P	180	59	-	83	35	26	30	4	8	¥ 79,600*
1 3/4W5	P6	TNMUW28O1	1.5P	180	59	-	83	35	26	30	4	8	¥ 79,600*

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 Hand Taps

- 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

Size	Class	Code	Chamfer	L (mm)	ℓ (mm)	ℓn (mm)	ℓs (mm)	Ds (mm)	K (mm)	ℓk (mm)	No. of flutes	TYPE	MSRP
1 7/8W4 1/2	P6	TNMUW3095	5P	185	65	-	85	38	29	32	4	8	¥ 92,200 ^{**}
1 7/8W4 1/2	P6	TNMUW3091	1.5P	185	65	-	85	38	29	32	4	8	¥ 92,200 ^{**}
2 W4 1/2	II	TH2W3295	5P	195	92	-	-	40	32	35	4	10	¥ 126,000 ^{**}
2 W4 1/2	II	TH2W3291	1.5P	195	92	-	-	40	32	35	4	10	¥ 126,000 ^{**}
2 1/4W4	II	TH2W3685	5P	210	100	-	-	44	35	38	4	10	¥ 138,000 ^{**}
2 1/4W4	II	TH2W3681	1.5P	210	100	-	-	44	35	38	4	10	¥ 138,000 ^{**}
2 1/2W4	II	TH2W4085	5P	225	105	-	-	48	38	42	4	10	¥ 189,000 ^{**}
2 1/2W4	II	TH2W4081	1.5P	225	105	-	-	48	38	42	4	10	¥ 189,000 ^{**}
2 3/4W3 1/2	II	TH2W4475	5P	240	115	-	-	55	41	44	4	10	¥ 233,000 ^{**}
2 3/4W3 1/2	II	TH2W4471	1.5P	240	115	-	-	55	41	44	4	10	¥ 233,000 ^{**}
3 W3 1/2	II	TH2W4875	5P	250	120	-	-	58	46	50	4	10	¥ 279,000 ^{**}
3 W3 1/2	II	TH2W4871	1.5P	250	120	-	-	58	46	50	4	10	¥ 279,000 ^{**}
3 1/4W3 1/4	II	TH2W52-5	5P	265	125	-	-	58	46	50	6	10	¥ 367,000 ^{**}
3 1/4W3 1/4	II	TH2W52-1	1.5P	265	125	-	-	58	46	50	6	10	¥ 367,000 ^{**}
3 1/2W3 1/4	II	TH2W56-5	5P	275	130	-	-	60	46	50	6	10	¥ 423,000 ^{**}
3 1/2W3 1/4	II	TH2W56-1	1.5P	275	130	-	-	60	46	50	6	10	¥ 423,000 ^{**}
3 3/4W3	II	TH2W6065	5P	285	135	-	-	65	50	52	6	10	¥ 475,000 ^{**}
3 3/4W3	II	TH2W6061	1.5P	285	135	-	-	65	50	52	6	10	¥ 475,000 ^{**}
4 W3	II	TH2W6465	5P	295	135	-	-	65	50	52	6	10	¥ 550,000 ^{**}
4 W3	II	TH2W6461	1.5P	295	135	-	-	65	50	52	6	10	¥ 550,000 ^{**}
For Screw Threads used on Sewing Machines													
1/16SM80	P1	TNMPS04B5	5P	36	6.3	-	24	3	2.5	5	3	2	¥ 3,730 ^{**}
1/16SM80	P1	TNMPS04B1	1.5P	36	6.3	-	24	3	2.5	5	3	2	¥ 3,730 ^{**}
5/64SM64	P1	TNMPS05D5	5P	42	7.2	12	27	3	2.5	5	3	3	¥ 3,000 ^{**}
5/64SM64	P1	TNMPS05D1	1.5P	42	7.2	12	27	3	2.5	5	3	3	¥ 3,000 ^{**}
3/32SM56	P1	TNMPS06E5	5P	46	8.1	14	29	3	2.5	5	3	3	¥ 2,270 ^{**}
3/32SM56	P1	TNMPS06E1	1.5P	46	8.1	14	29	3	2.5	5	3	3	¥ 2,270 ^{**}
3/32SM100	P1	TNMPS06A5	5P	46	3.4	14	29	3	2.5	5	3	5	¥ 3,400 ^{**}
3/32SM100	P1	TNMPS06A1	1.5P	46	3.4	14	29	3	2.5	5	3	5	¥ 3,400 ^{**}
1/8SM40	P2	TNMQS08H5	5P	52	11	16	28	5	4	7	3	3	¥ 1,660 ^{**}
1/8SM40	P2	TNMQS08H1	1.5P	52	11	16	28	5	4	7	3	3	¥ 1,660 ^{**}
1/8SM44	P2	TNMQS08G5	5P	52	11	16	28	5	4	7	3	3	¥ 1,660 ^{**}
1/8SM44	P2	TNMQS08G1	1.5P	52	11	16	28	5	4	7	3	3	¥ 1,660 ^{**}
9/64SM40	P2	TNMQS09H5	5P	52	11	16	29	5	4	7	3	3	¥ 1,660 ^{**}
9/64SM40	P2	TNMQS09H1	1.5P	52	11	16	29	5	4	7	3	3	¥ 1,660 ^{**}
11/64SM32	P2	TNMQS11J5	5P	60	13	21	33	5.5	4.5	7	4	3	¥ 1,630 ^{**}
11/64SM32	P2	TNMQS11J1	1.5P	60	13	21	33	5.5	4.5	7	4	3	¥ 1,630 ^{**}
11/64SM40	P2	TNMQS11H5	5P	60	13	21	33	5.5	4.5	7	4	3	¥ 1,630 ^{**}
11/64SM40	P2	TNMQS11H1	1.5P	60	13	21	33	5.5	4.5	7	4	3	¥ 1,630 ^{**}
3/16SM24	P2	TNMQS12M5	5P	60	13	21	32	5.5	4.5	7	4	3	¥ 1,630 ^{**}
3/16SM24	P2	TNMQS12M1	1.5P	60	13	21	32	5.5	4.5	7	4	3	¥ 1,630 ^{**}
3/16SM28	P2	TNMQS12K5	5P	60	13	21	32	5.5	4.5	7	4	3	¥ 1,630 ^{**}
3/16SM28	P2	TNMQS12K1	1.5P	60	13	21	32	5.5	4.5	7	4	3	¥ 1,630 ^{**}
3/16SM32	P2	TNMQS12J5	5P	60	13	21	32	5.5	4.5	7	4	3	¥ 1,630 ^{**}
3/16SM32	P2	TNMQS12J1	1.5P	60	13	21	32	5.5	4.5	7	4	3	¥ 1,630 ^{**}
3/16SM40	P2	TNMQS12H5	5P	60	13	21	32	5.5	4.5	7	4	3	¥ 2,350 ^{**}
3/16SM40	P2	TNMQS12H1	1.5P	60	13	21	32	5.5	4.5	7	4	3	¥ 2,350 ^{**}
15/64SM28	P2	TNMQS15K5	5P	62	15	26	33	6	4.5	7	4	3	¥ 1,750 ^{**}
15/64SM28	P2	TNMQS15K1	1.5P	62	15	26	33	6	4.5	7	4	3	¥ 1,750 ^{**}



^{**} = 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 Hand Taps

Size	Class	Code	Chamfer	L (mm)	ℓ (mm)	ℓn (mm)	ℓs (mm)	Ds (mm)	K (mm)	ℓk (mm)	No. of flutes	TYPE	MSRP
1/4SM24	P2	TNMQS16M5	5P	62	15	26	33	6	4.5	7	4	3	¥ 1,750 [*]
1/4SM24	P2	TNMQS16M1	1.5P	62	15	26	33	6	4.5	7	4	3	¥ 1,750 [*]
1/4SM28	P2	TNMQS16K5	5P	62	15	26	33	6	4.5	7	4	3	¥ 1,750 [*]
1/4SM28	P2	TNMQS16K1	1.5P	62	15	26	33	6	4.5	7	4	3	¥ 1,750 [*]
1/4SM40	P2	TNMQS16H5	5P	62	8.6	26	33	6	4.5	7	4	5	¥ 2,510 [*]
1/4SM40	P2	TNMQS16H1	1.5P	62	8.6	26	33	6	4.5	7	4	5	¥ 2,510 [*]
9/32SM28	P2	TNMQS18K5	5P	70	19	-	36	6.2	5	8	4	6	¥ 2,780 [*]
9/32SM28	P2	TNMQS18K1	1.5P	70	19	-	36	6.2	5	8	4	6	¥ 2,780 [*]
5/16SM24	P2	TNMQS20M5	5P	70	19	-	36	6.2	5	8	4	6	¥ 2,010 [*]
5/16SM24	P2	TNMQS20M1	1.5P	70	19	-	36	6.2	5	8	4	6	¥ 2,010 [*]
11/32SM28	P2	TNMQS22K5	5P	75	23	-	38	7	5.5	8	4	6	¥ 3,110 [*]
11/32SM28	P2	TNMQS22K1	1.5P	75	23	-	38	7	5.5	8	4	6	¥ 3,110 [*]

4

JIS

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

JIS

④-30