

4 Hand Tap Series

Overall length	Thread length	Thread + neck length	Shank length	Shank dia.	Size of square	Length of square
L	ℓ	ℓ _n	ℓ _s	D _s	K	ℓ _k

JIS

① Spiral Fluted Taps (for blind hole)

② Spiral Fluted Taps (for through hole)

③ Spiral Pointed Taps (for through hole)

④ Hand Taps

⑤ Cemented Carbide Taps

⑥ Roll Taps

⑦ Special Thread Taps (Simple inspection tools)

⑧ Pipe Taps

⑨ Thread Mills

⑩ Dies

⑪ Center Drills (Centering tools)

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HT Hand Taps

Specification



Recommended Tapping Speeds depending on Materials

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

For icon explanation, refer to icon-1

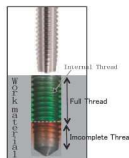


Product features

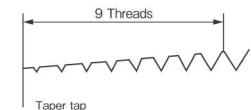
- Suitable for workpiece materials where the chips are powdery or where the chips are produced as a small curl.
- The cutting edge strength is high.
- It is easy to resharpen.

Working part of the cutting chamfer

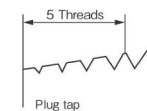
- The tap cuts an internal thread with the chamfer section.
- The chamfer section is tapered towards the tip to facilitate cutting into a prepared hole.
- Since the cutting chamfer portion of the tap has incomplete threads, the tapped internal threads also have imperfect threads as shown on the right.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



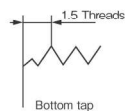
Difference in length of chamfer portion.



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 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.

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Overall length	Thread length	Thread + neck length	Shank length	Shank dia.	Size of square	Length of square
L	ℓ	ℓ _n	ℓ _s	D _s	K	ℓ _k

4

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

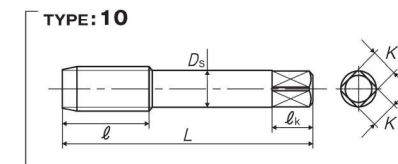
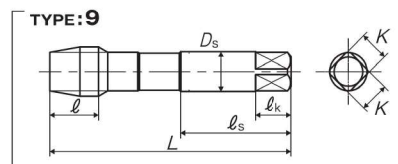
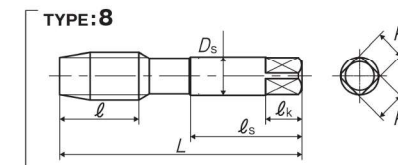
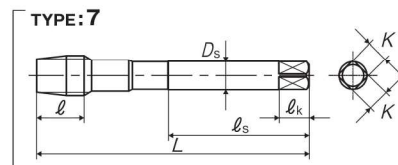
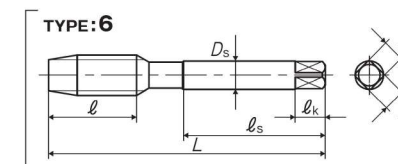
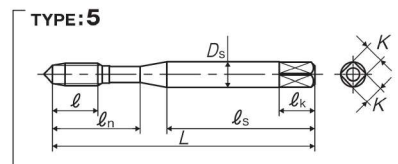
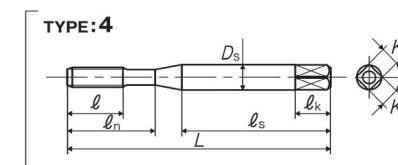
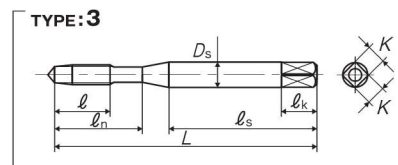
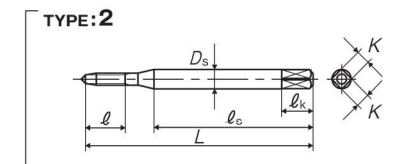
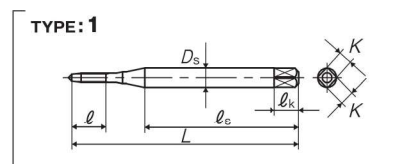
⑦ Special Thread Taps (Simple inspection tools)

⑧ Pipe Taps

⑨ Thread Mills

⑩ Dies

⑪ Center Drills (Centering tools)



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④-6

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

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HT Hand Taps

Segment : 1A
Oversize

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	¥ 3,050
M1 × 0.25	P1	TNMP1.0B1	1.5P	36	4.5	-	24	3	2.5	5	3	1	¥ 3,050
M1 × 0.2	P1	TNMP1.0A5	5P	36	3.6	-	24	3	2.5	5	3	1	¥ 4,250*
M1 × 0.2	P1	TNMP1.0A1	1.5P	36	3.6	-	24	3	2.5	5	3	1	¥ 4,250*
M1.1 × 0.25	P1	TNMP1.1B5	5P	36	4.5	-	24	3	2.5	5	3	1	¥ 3,050
M1.1 × 0.25	P1	TNMP1.1B1	1.5P	36	4.5	-	24	3	2.5	5	3	1	¥ 3,050
M1.1 × 0.2	P1	TNMP1.1A5	5P	36	3.6	-	24	3	2.5	5	3	1	¥ 4,250*
M1.1 × 0.2	P1	TNMP1.1A1	1.5P	36	3.6	-	24	3	2.5	5	3	1	¥ 4,250*
M1.2 × 0.25	P1	TNMP1.2B5	5P	36	4.5	-	24	3	2.5	5	3	1	¥ 3,050
M1.2 × 0.25	P1	TNMP1.2B1	1.5P	36	4.5	-	24	3	2.5	5	3	1	¥ 3,050
M1.2 × 0.25	P3	TNMR1.2B5	5P	36	4.5	-	24	3	2.5	5	3	1	¥ 3,050*
M1.2 × 0.25	P3	TNMR1.2B1	1.5P	36	4.5	-	24	3	2.5	5	3	1	¥ 3,050*
M1.2 × 0.2	P1	TNMP1.2A5	5P	36	3.6	-	24	3	2.5	5	3	1	¥ 4,250*
M1.2 × 0.2	P1	TNMP1.2A1	1.5P	36	3.6	-	24	3	2.5	5	3	1	¥ 4,250*
M1.4 × 0.3	P1	TNMP1.4C5	5P	36	5.4	-	24	3	2.5	5	3	1	¥ 2,500
M1.4 × 0.3	P1	TNMP1.4C1	1.5P	36	5.4	-	24	3	2.5	5	3	1	¥ 2,500
M1.4 × 0.3	P3	TNMR1.4C5	5P	36	5.4	-	24	3	2.5	5	3	1	¥ 2,500*
M1.4 × 0.3	P3	TNMR1.4C1	1.5P	36	5.4	-	24	3	2.5	5	3	1	¥ 2,500*
M1.4 × 0.2	P1	TNMP1.4A5	5P	36	3.6	-	24	3	2.5	5	3	1	¥ 3,750*
M1.4 × 0.2	P1	TNMP1.4A1	1.5P	36	3.6	-	24	3	2.5	5	3	1	¥ 3,750*
M1.6 × 0.35	P2	TNMQ1.6D5	5P	36	6.3	-	24	3	2.5	5	3	2	¥ 2,380
M1.6 × 0.35	P2	TNMQ1.6D1	1.5P	36	6.3	-	24	3	2.5	5	3	2	¥ 2,380
M1.6 × 0.2	P1	TNMP1.6A5	5P	36	3.6	-	24	3	2.5	5	3	2	¥ 3,480*
M1.6 × 0.2	P1	TNMP1.6A1	1.5P	36	3.6	-	24	3	2.5	5	3	2	¥ 3,480*
M1.7 × 0.35	P1	TNMP1.7D5	5P	36	6.3	-	24	3	2.5	5	3	2	¥ 2,380
M1.7 × 0.35	P1	TNMP1.7D1	1.5P	36	6.3	-	24	3	2.5	5	3	2	¥ 2,380
M1.7 × 0.35	P3	TNMR1.7D5	5P	36	6.3	-	24	3	2.5	5	3	2	¥ 2,380*
M1.7 × 0.35	P3	TNMR1.7D1	1.5P	36	6.3	-	24	3	2.5	5	3	2	¥ 2,380*
M1.7 × 0.2	P1	TNMP1.7A5	5P	36	3.6	-	24	3	2.5	5	3	2	¥ 3,480*
M1.7 × 0.2	P1	TNMP1.7A1	1.5P	36	3.6	-	24	3	2.5	5	3	2	¥ 3,480*
M1.8 × 0.35	P2	TNMQ1.8D5	5P	42	6.3	-	27	3	2.5	5	3	2	¥ 2,380*
M1.8 × 0.35	P2	TNMQ1.8D1	1.5P	42	6.3	-	27	3	2.5	5	3	2	¥ 2,380*
M1.8 × 0.2	P1	TNMP1.8A5	5P	42	3.6	-	27	3	2.5	5	3	2	¥ 3,480*
M1.8 × 0.2	P1	TNMP1.8A1	1.5P	42	3.6	-	27	3	2.5	5	3	2	¥ 3,480*
M2 × 0.4	P1	TNMP2.0E5	5P	42	7.2	12	27	3	2.5	5	3	3	¥ 1,910
M2 × 0.4	P1	TNMP2.0E1	1.5P	42	7.2	12	27	3	2.5	5	3	3	¥ 1,910
M2 × 0.4	P3	TNMR2.0E5	5P	42	7.2	12	27	3	2.5	5	3	3	¥ 1,910
M2 × 0.4	P3	TNMR2.0E1	1.5P	42	7.2	12	27	3	2.5	5	3	3	¥ 1,910
M2 × 0.4	P4	TNMS2.0E5	5P	42	7.2	12	27	3	2.5	5	3	3	¥ 1,910*
M2 × 0.4	P4	TNMS2.0E1	1.5P	42	7.2	12	27	3	2.5	5	3	3	¥ 1,910*
M2 × 0.25	P1	TNMP2.0B5	5P	42	4.5	12	27	3	2.5	5	3	5	¥ 2,920
M2 × 0.25	P1	TNMP2.0B1	1.5P	42	4.5	12	27	3	2.5	5	3	5	¥ 2,920
M2.2 × 0.45	P2	TNMQ2.2F5	5P	42	8.1	12	27	3	2.5	5	3	3	¥ 1,730
M2.2 × 0.45	P2	TNMQ2.2F1	1.5P	42	8.1	12	27	3	2.5	5	3	3	¥ 1,730
M2.2 × 0.25	P1	TNMP2.2B5	5P	42	4.5	12	27	3	2.5	5	3	5	¥ 2,920*
M2.2 × 0.25	P1	TNMP2.2B1	1.5P	42	4.5	12	27	3	2.5	5	3	5	¥ 2,920*
M2.3 × 0.4	P1	TNMP2.3E5	5P	42	7.2	12	27	3	2.5	5	3	3	¥ 1,730
M2.3 × 0.4	P1	TNMP2.3E1	1.5P	42	7.2	12	27	3	2.5	5	3	3	¥ 1,730

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Think threads with **YAMAWA**
* = Specified Distribution Items. Made to order products.
For improvement, spec may change without advance notice.

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

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	¥ 1,730*
M2.3 × 0.4	P3	TNMR2.3E1	1.5P	42	7.2	12	27	3	2.5	5	3	3	¥ 1,730*
M2.3 × 0.4	P4	TNMS2.3E5	5P	42	7.2	12	27	3	2.5	5	3	3	¥ 1,730*
M2.3 × 0.4	P4	TNMS2.3E1	1.5P	42	7.2	12	27	3	2.5	5	3	3	¥ 1,730*
M2.3 × 0.25	P1	TNMP2.3B5	5P	42	4.5	12	27	3	2.5	5	3	5	¥ 2,920*
M2.3 × 0.25	P1	TNMP2.3B1	1.5P	42	4.5	12	27	3	2.5	5	3	5	¥ 2,920*
M2.5 × 0.45	P2	TNMQ2.5F5	5P	46	8.1	14	29	3	2.5	5	3	3	¥ 1,460
M2.5 × 0.45	P2	TNMQ2.5F1	1.5P	46	8.1	14	29	3	2.5	5	3	3	¥ 1,460
M2.5 × 0.45	P3	TNMR2.5F5	5P	46	8.1	14	29	3	2.5	5	3	3	¥ 1,460
M2.5 × 0.45	P3	TNMR2.5F1	1.5P	46	8.1	14	29	3	2.5	5	3	3	¥ 1,460
M2.5 × 0.45	P4	TNMS2.5F5	5P	46	8.1	14	29	3	2.5	5	3	3	¥ 1,460*
M2.5 × 0.45	P4	TNMS2.5F1	1.5P	46	8.1	14	29	3	2.5	5	3	3	¥ 1,460*
M2.5 × 0.35	P2	TNMQ2.5D5	5P	46	6.3	14	29	3	2.5	5	3	5	¥ 2,150*
M2.5 × 0.35	P2	TNMQ2.5D1	1.5P	46	6.3	14	29	3	2.5	5	3	5	¥ 2,150*
M2.6 × 0.45	P1	TNMP2.6F5	5P	46	8.1	14	29	3	2.5	5	3	3	¥ 1,460
M2.6 × 0.45	P1	TNMP2.6F1	1.5P	46	8.1	14	29	3	2.5	5	3	3	¥ 1,460
M2.6 × 0.45	P3	TNMR2.6F5	5P	46	8.1	14	29	3	2.5	5	3	3	¥ 1,460
M2.6 × 0.45	P3	TNMR2.6F1	1.5P	46	8.1	14	29	3	2.5	5	3	3	¥ 1,460
M2.6 × 0.45	P4	TNMS2.6F5	5P	46	8.1	14	29	3	2.5	5	3	3	¥ 1,460*
M2.6 × 0.45	P4	TNMS2.6F1	1.5P	46	8.1	14	29	3	2.5	5	3	3	¥ 1,460*
M2.6 × 0.35	P2	TNMQ2.6D5	5P	46	6.3	14	29	3	2.5	5	3	5	¥ 2,150*
M2.6 × 0.35	P2	TNMQ2.6D1	1.5P	46	6.3	14	29	3	2.5	5	3	5	¥ 2,150*
M3 × 0.5	P2	TNMQ3.0G5	5P	46	9	14	26	4	3.2	6	3	3	¥ 1,020
M3 × 0.5	P2	TNMQ3.0G1	1.5P	46	9	14	26	4	3.2	6	3	3	¥ 1,020
M3 × 0.5	P3	TNMR3.0G5	5P	46	9	14	26	4	3.2	6	3	3	¥ 1,020
M3 × 0.5	P3	TNMR3.0G1	1.5P	46	9	14	26	4	3.2	6	3	3	¥ 1,020
M3 × 0.5	P4	TNMS3.0G5	5P	46	9	14	26	4	3.2	6	3	3	¥ 1,020*
M3 × 0.5	P4	TNMS3.0G1	1.5P	46	9	14	26	4	3.2	6	3	3	¥ 1,020*
M3 × 0.5	P5	TNMT3.0G5	5P	46	9	14	26	4	3.2	6	3	3	¥ 1,020*
M3 × 0.5	P5	TNMT3.0G1	1.5P	46	9	14	26	4	3.2	6	3	3	¥ 1,020*
3M0.6	P2	TNMQ3.0H5	5P	46	9	14	26	4	3.2	6	3	3	¥ 1,020
3M0.6	P2	TNMQ3.0H1	1.5P	46	9	14	26	4	3.2	6	3	3	¥ 1,020
M3 × 0.35	P2	TNMQ3.0D5	5P	46	6.5	14	26	4	3.2	6	3	5	¥ 1,740
M3 × 0.35	P2	TNMQ3.0D1	1.5P	46	6.5	14	26	4	3.2	6	3	5	¥ 1,740
M3.5 × 0.6	P2	TNMQ3.5H5	5P	52	11	16	29	5	4	7	3	3	¥ 1,020
M3.5 × 0.6	P2	TNMQ3.5H1	1.5P	52	11	16	29	5	4	7	3	3	¥ 1,020
M3.5 × 0.6	P3	TNMR3.5H5	5P	52	11	16	29	5	4	7	3	3	¥ 1,020*
M3.5 × 0.6	P3	TNMR3.5H1	1.5P	52	11	16</							

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

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	¥ 1,020
4M0.75	P2	TNMQ4.0J13	1.5P	52	11	17	29	5	4	7	3	3	¥ 1,020
M4 × 0.5	P2	TNMQ4.0G5	5P	52	9	17	29	5	4	7	4	5	¥ 1,500
M4 × 0.5	P2	TNMQ4.0G1	1.5P	52	9	17	29	5	4	7	4	5	¥ 1,500
M4.5 × 0.75	P2	TNMQ4.5J53	5P	60	13	21	33	5.5	4.5	7	3	3	¥ 1,030
M4.5 × 0.75	P2	TNMQ4.5J13	1.5P	60	13	21	33	5.5	4.5	7	3	3	¥ 1,030
M4.5 × 0.5	P2	TNMQ4.5G5	5P	60	9	21	33	5.5	4.5	7	4	5	¥ 1,500*
M4.5 × 0.5	P2	TNMQ4.5G1	1.5P	60	9	21	33	5.5	4.5	7	4	5	¥ 1,500*
M5 × 0.8	P3	TNMR5.0K5	5P	60	13	22	33	5.5	4.5	7	3	3	¥ 1,030
M5 × 0.8	P3	TNMR5.0K1	1.5P	60	13	22	33	5.5	4.5	7	3	3	¥ 1,030
M5 × 0.8	P3	TNMR5.0K1F	1.5P	60	13	22	33	5.5	4.5	7	3	4	¥ 1,030
M5 × 0.8	P4	TNMS5.0K53	5P	60	13	22	33	5.5	4.5	7	3	3	¥ 1,030*
M5 × 0.8	P4	TNMS5.0K13	1.5P	60	13	22	33	5.5	4.5	7	3	3	¥ 1,030*
M5 × 0.8	P4	TNMS5.0K13F	1.5P	60	13	22	33	5.5	4.5	7	3	4	¥ 1,030*
M5 × 0.8	P5	TNMT5.0K53	5P	60	13	22	33	5.5	4.5	7	3	3	¥ 1,030*
M5 × 0.8	P5	TNMT5.0K13	1.5P	60	13	22	33	5.5	4.5	7	3	3	¥ 1,030*
5M0.9	P2	TNMQ5.0L53	5P	60	13	22	33	5.5	4.5	7	3	3	¥ 1,030
5M0.9	P2	TNMQ5.0L13	1.5P	60	13	22	33	5.5	4.5	7	3	3	¥ 1,030
M5 × 0.75	P2	TNMQ5.0J5	5P	60	13	22	33	5.5	4.5	7	4	3	¥ 1,500*
M5 × 0.75	P2	TNMQ5.0J1	1.5P	60	13	22	33	5.5	4.5	7	4	3	¥ 1,500*
M5 × 0.5	P2	TNMQ5.0G5	5P	60	9	22	33	5.5	4.5	7	4	5	¥ 1,500
M5 × 0.5	P2	TNMQ5.0G1	1.5P	60	9	22	33	5.5	4.5	7	4	5	¥ 1,500
M5 × 0.5	P3	TNMR5.0G5	5P	60	9	22	33	5.5	4.5	7	4	5	¥ 1,500*
M5 × 0.5	P3	TNMR5.0G1	1.5P	60	9	22	33	5.5	4.5	7	4	5	¥ 1,500*
M5.5 × 0.9	P2	TNMQ5.5L5	5P	62	15	26	33	6	4.5	7	4	3	¥ 1,130*
M5.5 × 0.9	P2	TNMQ5.5L1	1.5P	62	15	26	33	6	4.5	7	4	3	¥ 1,130*
M5.5 × 0.75	P2	TNMQ5.5J5	5P	62	15	26	33	6	4.5	7	4	3	¥ 1,590*
M5.5 × 0.75	P2	TNMQ5.5J1	1.5P	62	15	26	33	6	4.5	7	4	3	¥ 1,590*
M5.5 × 0.5	P2	TNMQ5.5G5	5P	62	9	26	33	6	4.5	7	4	5	¥ 1,590*
M5.5 × 0.5	P2	TNMQ5.5G1	1.5P	62	9	26	33	6	4.5	7	4	5	¥ 1,590*
M6 × 1	P2	TNMQ6.0M5	5P	62	15	26	33	6	4.5	7	3	3	¥ 1,130
M6 × 1	P2	TNMQ6.0M1	1.5P	62	15	26	33	6	4.5	7	3	3	¥ 1,130
M6 × 1	P2	TNMQ6.0M1F	1.5P	62	15	26	33	6	4.5	7	3	4	¥ 1,130
M6 × 1	P3	TNMR6.0M53	5P	62	15	26	33	6	4.5	7	3	3	¥ 1,130
M6 × 1	P3	TNMR6.0M13	1.5P	62	15	26	33	6	4.5	7	3	3	¥ 1,130
M6 × 1	P3	TNMR6.0M13F	1.5P	62	15	26	33	6	4.5	7	3	4	¥ 1,130
M6 × 1	P4	TNMS6.0M53	5P	62	15	26	33	6	4.5	7	3	3	¥ 1,130
M6 × 1	P4	TNMS6.0M13	1.5P	62	15	26	33	6	4.5	7	3	3	¥ 1,130
M6 × 1	P4	TNMS6.0M13F	1.5P	62	15	26	33	6	4.5	7	3	4	¥ 1,130
M6 × 1	P5	TNMT6.0M53	5P	62	15	26	33	6	4.5	7	3	3	¥ 1,130*
M6 × 1	P5	TNMT6.0M13	1.5P	62	15	26	33	6	4.5	7	3	3	¥ 1,130*
M6 × 0.75	P2	TNMQ6.0J5	5P	62	15	26	33	6	4.5	7	4	3	¥ 1,590
M6 × 0.75	P2	TNMQ6.0J1	1.5P	62	15	26	33	6	4.5	7	4	3	¥ 1,590
M6 × 0.75	P3	TNMR6.0J5	5P	62	15	26	33	6	4.5	7	4	3	¥ 1,590*
M6 × 0.75	P3	TNMR6.0J1	1.5P	62	15	26	33	6	4.5	7	4	3	¥ 1,590*
M6 × 0.75	P4	TNMS6.0J5	5P	62	15	26	33	6	4.5	7	4	3	¥ 1,590*
M6 × 0.75	P4	TNMS6.0J1	1.5P	62	15	26	33	6	4.5	7	4	3	¥ 1,590*
M6 × 0.5	P2	TNMQ6.0G5	5P	62	9	26	33	6	4.5	7	4	5	¥ 1,590
M6 × 0.5	P2	TNMQ6.0G1	1.5P	62	9	26	33	6	4.5	7	4	5	¥ 1,590

JIS 4-9

Think threads with **YAMAWA**
 * = Specified Distribution Items. Made to order products.
 For improvement, spec may change without advance notice.

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

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	¥ 2,540*
M6.5 × 0.5	P2	TNMQ6.5G1	1.5P	70	10	-	36	6.2	5	8	4	7	¥ 2,540*
M7 × 1	P2	TNMQ7.0M5T	5P	70	19	-	36	6.2	5	8	3	6	¥ 1,380*
M7 × 1	P2	TNMQ7.0M1T	1.5P	70	19	-	36	6.2	5	8	3	6	¥ 1,380*
M7 × 1	P2	TNMQ7.0M5	5P	70	19	-	36	6.2	5	8	4	6	¥ 1,380
M7 × 1	P2	TNMQ7.0M1	1.5P	70	19	-	36	6.2	5	8	4	6	¥ 1,380
M7 × 1	P3	TNMR7.0M5	5P	70	19	-	36	6.2	5	8	4	6	¥ 1,380*
M7 × 1	P3	TNMR7.0M1	1.5P	70	19	-	36	6.2	5	8	4	6	¥ 1,380*
M7 × 1	P4	TNMS7.0M5	5P	70	19	-	36	6.2	5	8	4	6	¥ 1,380*
M7 × 1	P4	TNMS7.0M1	1.5P	70	19	-	36	6.2	5	8	4	6	¥ 1,380*
M7 × 0.75	P2	TNMQ7.0J5	5P	70	19	-	36	6.2	5	8	4	6	¥ 2,040
M7 × 0.75	P2	TNMQ7.0J1	1.5P	70	19	-	36	6.2	5	8	4	6	¥ 2,040
M7 × 0.5	P2	TNMQ7.0G5	5P	70	10	-	36	6.2	5	8	4	7	¥ 2,540*
M7 × 0.5	P2	TNMQ7.0G1	1.5P	70	10	-	36	6.2	5	8	4	7	¥ 2,540*
M7.5 × 0.5	P2	TNMQ7.5G5	5P	70	10	-	36	6.2	5	8	4	7	¥ 2,540*
M7.5 × 0.5	P2	TNMQ7.5G1	1.5P	70	10	-	36	6.2	5	8	4	7	¥ 2,540*
M8 × 1.25	P3	TNMR8.0N5	5P	70	19	-	36	6.2	5	8	3	6	¥ 1,580
M8 × 1.25	P3	TNMR8.0N1	1.5P	70	19	-	36	6.2	5	8	3	6	¥ 1,580
M8 × 1.25	P3	TNMR8.0N5F	5P	70	19	-	36	6.2	5	8	4	6	¥ 1,580
M8 × 1.25	P3	TNMR8.0N1F	1.5P	70	19	-	36	6.2	5	8	4	6	¥ 1,580
M8 × 1.25	P4	TNMS8.0N5F	5P	70	19	-	36	6.2	5	8	4	6	¥ 1,580*
M8 × 1.25	P4	TNMS8.0N1F	1.5P	70	19	-	36	6.2	5	8	4	6	¥ 1,580*
M8 × 1.25	P5	TNMT8.0N5F	5P	70	19	-	36	6.2	5	8	4	6	¥ 1,580*
M8 × 1.25	P5	TNMT8.0N1F	1.5P	70	19	-	36	6.2	5	8	4	6	¥ 1,580*
M8 × 1	P2	TNMQ8.0M5T	5P	70	19	-	36	6.2	5	8	3	6	¥ 1,800*
M8 × 1	P2	TNMQ8.0M1T	1.5P	70	19	-	36	6.2	5	8	3	6	¥ 1,800*
M8 × 1	P2	TNMQ8.0M5	5P	70	19	-	36	6.2	5	8	4	6	¥ 1,800
M8 × 1	P2	TNMQ8.0M1	1.5P	70	19	-	36	6.2	5	8	4	6	¥ 1,800
M8 × 1	P3	TNMR8.0M5	5P	70	19	-	36	6.2	5	8	4	6	¥ 1,800*
M8 × 1	P3	TNMR8.0M1	1.5P	70	19	-	36	6.2	5	8	4	6	¥ 1,800*
M8 × 1	P4	TNMS8.0M5	5P	70	19	-	36	6.2	5	8	4	6	¥ 1,800*
M8 × 1	P4	TNMS8.0M1	1.5P	70	19	-	36	6.2	5	8	4	6	¥ 1,800*
M8 × 0.75	P2	TNMQ8.0J5	5P	70	19	-	36	6.2	5	8	4	6	¥ 2,040
M8 × 0.75	P2	TNMQ8.0J1	1.5P	70	19	-	36	6.2	5	8	4	6	¥ 2,040
M8 × 0.5	P2	TNMQ8.0G5	5P	70	10	-	36	6.2	5	8	4	7	¥ 2,540
M8 × 0.5	P2	TNMQ8.0G1	1.5P	70	10	-	36	6.2	5	8	4	7	¥ 2,540
M8.5 × 1	P2	TNMQ8.5M5	5P	75	23	-	38	7	5.5	8	4	6	¥ 2,910*
M8.5 × 1	P2	TNMQ8.5M1	1.5P	75	23	-	38	7	5.5	8	4	6	¥ 2,910*
M8.5 × 0.75	P2	TNMQ8.5J5	5P	75	13	-	38	7	5.5	8	4	7	¥ 2,910*
M8.5 × 0.75	P2	TNMQ8.5J1	1.5P	75	13	-	38	7	5.5	8	4	7	¥ 2,910*
M8.5 × 0.5	P2	TNMQ8.5G5	5P	75	11	-	38	7	5.5	8	4	7	¥ 3,170*
M8.5 × 0.5	P2	TNMQ8.5G1	1.5P	75	11	-	38	7	5.5	8	4	7	¥ 3,170*
M9 × 1.25	P3	TNMR9.0N5	5P	75	23	-	38	7	5.5	8	4	6	¥ 2,010*
M9 × 1.25	P3	TNMR9.0N1	1.5P	75	23	-	38	7	5.5	8	4	6	¥ 2,010*
M9 × 1	P2	TNMQ9.0M5	5P	75	23	-	38	7	5.5	8	4	6	¥ 2,400
M9 × 1	P2	TNMQ9.0M1	1.5P	75	23	-	38	7	5.5	8	4	6	¥ 2,400
M9 × 0.75	P2	TNMQ9.0J5	5P	75	13	-	38	7	5.5	8	4	7	¥ 2,910
M9 × 0.75	P2	TNMQ9.0J1	1.5P	75	13	-	38	7	5.5	8	4	7	¥ 2,910
M9 × 0.5	P2	TNMQ9.0G5	5P	75	11	-	38	7	5.5	8	4	7	¥ 3,170*
M9 × 0.5	P2	TNMQ9.0G1	1.5P	75	11	-	38	7	5.5	8	4	7	¥ 3,170*

JIS 4-10

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

⑩ Dies

⑪ Center Drills (Centering Tools)

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	TNM09.5M5	5P	75	23	-	38	7	5.5	8	4	6	¥ 2,910*
M9.5 × 1	P2	TNM09.5M1	1.5P	75	23	-	38	7	5.5	8	4	6	¥ 2,910*
M9.5 × 0.75	P2	TNM09.5J5	5P	75	13	-	38	7	5.5	8	4	7	¥ 2,910*
M9.5 × 0.75	P2	TNM09.5J1	1.5P	75	13	-	38	7	5.5	8	4	7	¥ 2,910*
M9.5 × 0.5	P2	TNM09.5G5	5P	75	11	-	38	7	5.5	8	4	7	¥ 3,170*
M9.5 × 0.5	P2	TNM09.5G1	1.5P	75	11	-	38	7	5.5	8	4	7	¥ 3,170*
M10 × 1.5	P3	TNMR01005T	5P	75	23	-	38	7	5.5	8	3	6	¥ 2,010
M10 × 1.5	P3	TNMR01001T	1.5P	75	23	-	38	7	5.5	8	3	6	¥ 2,010
M10 × 1.5	P3	TNMR01005	5P	75	23	-	38	7	5.5	8	4	6	¥ 2,010
M10 × 1.5	P3	TNMR01001	1.5P	75	23	-	38	7	5.5	8	4	6	¥ 2,010
M10 × 1.5	P4	TNMS01005	5P	75	23	-	38	7	5.5	8	4	6	¥ 2,010*
M10 × 1.5	P4	TNMS01001	1.5P	75	23	-	38	7	5.5	8	4	6	¥ 2,010*
M10 × 1.5	P5	TNMT01005	5P	75	23	-	38	7	5.5	8	4	6	¥ 2,010*
M10 × 1.5	P5	TNMT01001	1.5P	75	23	-	38	7	5.5	8	4	6	¥ 2,010*
M10 × 1.25	P3	TNMR010N5T	5P	75	23	-	38	7	5.5	8	3	6	¥ 2,010*
M10 × 1.25	P3	TNMR010N1T	1.5P	75	23	-	38	7	5.5	8	3	6	¥ 2,010*
M10 × 1.25	P3	TNMR010N5	5P	75	23	-	38	7	5.5	8	4	6	¥ 2,010
M10 × 1.25	P3	TNMR010N1	1.5P	75	23	-	38	7	5.5	8	4	6	¥ 2,010
M10 × 1.25	P4	TNMS010N5	5P	75	23	-	38	7	5.5	8	4	6	¥ 2,010*
M10 × 1.25	P4	TNMS010N1	1.5P	75	23	-	38	7	5.5	8	4	6	¥ 2,010*
M10 × 1.25	P5	TNMT010N5	5P	75	23	-	38	7	5.5	8	4	6	¥ 2,010*
M10 × 1.25	P5	TNMT010N1	1.5P	75	23	-	38	7	5.5	8	4	6	¥ 2,010*
M10 × 1	P3	TNMR010M5	5P	75	23	-	38	7	5.5	8	4	6	¥ 2,400
M10 × 1	P3	TNMR010M1	1.5P	75	23	-	38	7	5.5	8	4	6	¥ 2,400
M10 × 1	P4	TNMS010M5	5P	75	23	-	38	7	5.5	8	4	6	¥ 2,400*
M10 × 1	P4	TNMS010M1	1.5P	75	23	-	38	7	5.5	8	4	6	¥ 2,400*
M10 × 0.75	P3	TNMR010J5	5P	75	13	-	38	7	5.5	8	4	7	¥ 2,910
M10 × 0.75	P3	TNMR010J1	1.5P	75	13	-	38	7	5.5	8	4	7	¥ 2,910
M10 × 0.5	P2	TNM010G5	5P	75	11	-	38	7	5.5	8	4	7	¥ 3,170
M10 × 0.5	P2	TNM010G1	1.5P	75	11	-	38	7	5.5	8	4	7	¥ 3,170
M11 × 1.5	P4	TNMS01105	5P	82	26	-	42	8.5	6.5	9	4	6	¥ 2,860*
M11 × 1.5	P4	TNMS01101	1.5P	82	26	-	42	8.5	6.5	9	4	6	¥ 2,860*
M11 × 1.25	P3	TNMR011N5	5P	82	26	-	42	8.5	6.5	9	4	6	¥ 2,860*
M11 × 1.25	P3	TNMR011N1	1.5P	82	26	-	42	8.5	6.5	9	4	6	¥ 2,860*
M11 × 1	P3	TNMR011M5	5P	82	26	-	42	8.5	6.5	9	4	6	¥ 3,360
M11 × 1	P3	TNMR011M1	1.5P	82	26	-	42	8.5	6.5	9	4	6	¥ 3,360
M11 × 0.75	P3	TNMR011J5	5P	82	14	-	42	8.5	6.5	9	4	7	¥ 4,290*
M11 × 0.75	P3	TNMR011J1	1.5P	82	14	-	42	8.5	6.5	9	4	7	¥ 4,290*
M11 × 0.5	P2	TNM011G5	5P	82	12	-	42	8.5	6.5	9	4	7	¥ 4,290*
M11 × 0.5	P2	TNM011G1	1.5P	82	12	-	42	8.5	6.5	9	4	7	¥ 4,290*
M12 × 1.75	P3	TNMR012P5T	5P	82	26	-	42	8.5	6.5	9	3	6	¥ 2,860*
M12 × 1.75	P3	TNMR012P1T	1.5P	82	26	-	42	8.5	6.5	9	3	6	¥ 2,060*
M12 × 1.75	P3	TNMR012P5	5P	82	26	-	42	8.5	6.5	9	4	6	¥ 2,860
M12 × 1.75	P3	TNMR012P1	1.5P	82	26	-	42	8.5	6.5	9	4	6	¥ 2,860
M12 × 1.5	P4	TNMS012P5	5P	82	26	-	42	8.5	6.5	9	4	6	¥ 2,860*
M12 × 1.5	P4	TNMS012P1	1.5P	82	26	-	42	8.5	6.5	9	4	6	¥ 2,860*
M12 × 1.75	P5	TNMT012P5	5P	82	26	-	42	8.5	6.5	9	4	6	¥ 2,860*
M12 × 1.75	P5	TNMT012P1	1.5P	82	26	-	42	8.5	6.5	9	4	6	¥ 2,860*

Think threads with **YAMAWA**

* = Specified Distribution Items. Made to order products. For improvement, spec may change without advance notice.

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

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

⑩ Dies

⑪ Center Drills (Centering Tools)

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	TNMR01205	5P	82	26	-	42	8.5	6.5	9	4	6	¥ 2,860
M12 × 1.5	P3	TNMR01201	1.5P	82	26	-	42	8.5	6.5	9	4	6	¥ 2,860
M12 × 1.5	P4	TNMS01205	5P	82	26	-	42	8.5	6.5	9	4	6	¥ 2,860*
M12 × 1.5	P4	TNMS01201	1.5P	82	26	-	42	8.5	6.5	9	4	6	¥ 2,860*
M12 × 1.5	P5	TNMT01205	5P	82	26	-	42	8.5	6.5	9	4	6	¥ 2,860*
M12 × 1.5	P5	TNMT01201	1.5P	82	26	-	42	8.5	6.5	9	4	6	¥ 2,860*
M12 × 1.25	P4	TNMS012N5T	5P	82	26	-	42	8.5	6.5	9	3	6	¥ 2,860*
M12 × 1.25	P4	TNMS012N1T	1.5P	82	26	-	42	8.5	6.5	9	3	6	¥ 2,860*
M12 × 1.25	P4	TNMS012N5	5P	82	26	-	42	8.5	6.5	9	4	6	¥ 2,860
M12 × 1.25	P4	TNMS012N1	1.5P	82	26	-	42	8.5	6.5	9	4	6	¥ 2,860
M12 × 1.25	P5	TNMT012N5	5P	82	26	-	42	8.5	6.5	9	4	6	¥ 2,860*
M12 × 1.25	P5	TNMT012N1	1.5P	82	26	-	42	8.5	6.5	9	4	6	¥ 2,860*
M12 × 1	P3	TNMR012M5	5P	82	26	-	42	8.5	6.5	9	4	6	¥ 3,360
M12 × 1	P3	TNMR012M1	1.5P	82	26	-	42	8.5	6.5	9	4	6	¥ 3,360
M12 × 1	P4	TNMS012M5	5P	82	26	-	42	8.5	6.5	9	4	6	¥ 3,360*
M12 × 1	P4	TNMS012M1	1.5P	82	26	-	42	8.5	6.5	9	4	6	¥ 3,360*
M12 × 0.75	P3	TNMR012J5	5P	82	14	-	42	8.5	6.5	9	4	7	¥ 4,290*
M12 × 0.75	P3	TNMR012J1	1.5P	82	14	-	42	8.5	6.5	9	4	7	¥ 4,290*
M12 × 0.5	P2	TNM012G5	5P	82	12	-	42	8.5	6.5	9	4	7	¥ 4,290
M12 × 0.5	P2	TNM012G1	1.5P	82	12	-	42	8.5	6.5	9	4	7	¥ 4,290
M13 × 1.75	P3	TNMR013P5	5P	88	26	-	45	10.5	8	11	4	6	¥ 4,530*
M13 × 1.75	P3	TNMR013P1	1.5P	88	26	-	45	10.5	8	11	4	6	¥ 4,530*
M13 × 1.5	P3	TNMR01305	5P	88	26	-	45	10.5	8	11	4	6	¥ 4,530*
M13 × 1.5	P3	TNMR01301	1.5P	88	26	-	45	10.5	8	11	4	6	¥ 4,530*
M13 × 1.25	P4	TNMS013N5	5P	88	26	-	45	10.5	8	11	4	6	¥ 4,530*
M13 × 1.25	P4	TNMS013N1	1.5P	88	26	-	45	10.5	8	11	4	6	¥ 4,530*
M13 × 1	P3	TNMR013M5	5P	88	26	-	45	10.5	8	11	4	6	¥ 4,530
M13 × 1	P3	TNMR013M1	1.5P	88	26	-	45	10.5	8	11	4	6	¥ 4,530
M13 × 0.75	P3	TNMR013J5	5P	88	14	-	45	10.5	8	11	4	7	¥ 5,790*
M13 × 0.75	P3	TNMR013J1	1.5P	88	14	-	45	10.5	8	11	4	7	¥ 5,790*
M13 × 0.5	P2	TNM013G5	5P	88	12	-	45	10.5	8	11	4	7	¥ 5,790*
M13 × 0.5	P2	TNM013G1	1.5P	88	12	-	45	10.5	8	11	4	7	¥ 5,790*
M14 × 2	P3	TNMR01405	5P	88	26	-	45	10.5	8	11	4	6	¥ 3,900
M14 × 2	P3	TNMR014Q1	1.5P	88	26	-	45	10.5	8	11	4	6	¥ 3,900
M14 × 2	P4	TNMS01405	5P	88	26	-	45	10.5	8	11	4	6	¥ 3,900*
M14 × 2	P4	TNMS014Q1	1.5P	88	26	-	45	10.5	8	11	4	6	¥ 3,900*
M14 × 2	P5	TNMT01405	5P	88	26	-	45	10.5	8	11	4	6	¥ 3,900*
M14 × 2	P5	TNMT014Q1	1.5P	88	26	-	45	10.5	8	11	4	6	¥ 3,900*
M14 × 1.75	P3	TNMR014P5	5P	88	26	-	45	10.5	8	11	4	6	¥ 4,530*
M14 × 1.75	P3	TNMR014P1	1.5P	88	26	-	45	10.5	8	11	4	6	¥ 4,530*
M14 × 1.5	P3	TNMR01405	5P	88	26	-	45	10.5	8	11	4	6	¥ 3,900
M14 × 1.5	P3	TNMR01401	1.5P	88	26	-	45	10.5	8	11	4	6	¥ 3,900
M14 × 1.5	P4	TNMS01405	5P										

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 Coated Carbide Taps

⑥ Roll Taps

⑦ Special Thread Taps (Simple Inspection Tools)

⑧ Pipe Taps

⑨ Thread Mills

⑩ Dies

⑪ Center Drills / Centering Tools

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	¥ 4,530
M14 × 1	P3	TNMR014M1	1.5P	88	26	-	45	10.5	8	11	4	6	¥ 4,530
M14 × 1	P4	TNMS014M5	5P	88	26	-	45	10.5	8	11	4	6	¥ 4,530*
M14 × 1	P4	TNMS014M1	1.5P	88	26	-	45	10.5	8	11	4	6	¥ 4,530*
M14 × 0.75	P3	TNMR014J5	5P	88	15	-	45	10.5	8	11	4	7	¥ 5,790*
M14 × 0.75	P3	TNMR014J1	1.5P	88	15	-	45	10.5	8	11	4	7	¥ 5,790*
M14 × 0.5	P2	TNMQ014G5	5P	88	12	-	45	10.5	8	11	4	7	¥ 5,790*
M14 × 0.5	P2	TNMQ014G1	1.5P	88	12	-	45	10.5	8	11	4	7	¥ 5,790*
M15 × 2	P3	TNMR015Q5	5P	95	26	-	48	12.5	10	13	4	6	¥ 5,210*
M15 × 2	P3	TNMR015Q1	1.5P	95	26	-	48	12.5	10	13	4	6	¥ 5,210*
M15 × 1.5	P3	TNMR015O5	5P	95	26	-	48	12.5	10	13	4	6	¥ 5,210*
M15 × 1.5	P3	TNMR015O1	1.5P	95	26	-	48	12.5	10	13	4	6	¥ 5,210*
M15 × 1.25	P4	TNMS015N5	5P	95	26	-	48	12.5	10	13	4	6	¥ 6,210*
M15 × 1.25	P4	TNMS015N1	1.5P	95	26	-	48	12.5	10	13	4	6	¥ 6,210*
M15 × 1	P3	TNMR015M5	5P	95	26	-	48	12.5	10	13	4	6	¥ 6,210*
M15 × 1	P3	TNMR015M1	1.5P	95	26	-	48	12.5	10	13	4	6	¥ 6,210*
M15 × 0.75	P3	TNMR015J5	5P	95	15	-	48	12.5	10	13	4	7	¥ 8,180*
M15 × 0.75	P3	TNMR015J1	1.5P	95	15	-	48	12.5	10	13	4	7	¥ 8,180*
M15 × 0.5	P2	TNMQ015G5	5P	95	13	-	48	12.5	10	13	4	7	¥ 8,180*
M15 × 0.5	P2	TNMQ015G1	1.5P	95	13	-	48	12.5	10	13	4	7	¥ 8,180*
M16 × 2	P3	TNMR016Q5	5P	95	26	-	48	12.5	10	13	4	6	¥ 5,210*
M16 × 2	P3	TNMR016Q1	1.5P	95	26	-	48	12.5	10	13	4	6	¥ 5,210*
M16 × 2	P4	TNMS016Q5	5P	95	26	-	48	12.5	10	13	4	6	¥ 5,210*
M16 × 2	P4	TNMS016Q1	1.5P	95	26	-	48	12.5	10	13	4	6	¥ 5,210*
M16 × 2	P5	TNMT016Q5	5P	95	26	-	48	12.5	10	13	4	6	¥ 5,210*
M16 × 2	P5	TNMT016Q1	1.5P	95	26	-	48	12.5	10	13	4	6	¥ 5,210*
M16 × 1.5	P3	TNMR016O5	5P	95	26	-	48	12.5	10	13	4	6	¥ 5,210*
M16 × 1.5	P3	TNMR016O1	1.5P	95	26	-	48	12.5	10	13	4	6	¥ 5,210*
M16 × 1.5	P4	TNMS016O5	5P	95	26	-	48	12.5	10	13	4	6	¥ 5,210*
M16 × 1.5	P4	TNMS016O1	1.5P	95	26	-	48	12.5	10	13	4	6	¥ 5,210*
M16 × 1.5	P5	TNMT016O5	5P	95	26	-	48	12.5	10	13	4	6	¥ 5,210*
M16 × 1.5	P5	TNMT016O1	1.5P	95	26	-	48	12.5	10	13	4	6	¥ 5,210*
M16 × 1.25	P4	TNMS016N5	5P	95	26	-	48	12.5	10	13	4	6	¥ 6,210*
M16 × 1.25	P4	TNMS016N1	1.5P	95	26	-	48	12.5	10	13	4	6	¥ 6,210*
M16 × 1	P3	TNMR016M5	5P	95	26	-	48	12.5	10	13	4	6	¥ 6,210*
M16 × 1	P3	TNMR016M1	1.5P	95	26	-	48	12.5	10	13	4	6	¥ 6,210*
M16 × 1	P4	TNMS016M5	5P	95	26	-	48	12.5	10	13	4	6	¥ 6,210*
M16 × 1	P4	TNMS016M1	1.5P	95	26	-	48	12.5	10	13	4	6	¥ 6,210*
M16 × 0.75	P3	TNMR016J5	5P	95	15	-	48	12.5	10	13	4	7	¥ 8,180*
M16 × 0.75	P3	TNMR016J1	1.5P	95	15	-	48	12.5	10	13	4	7	¥ 8,180*
M16 × 0.5	P2	TNMQ016G5	5P	95	13	-	48	12.5	10	13	4	7	¥ 8,180*
M16 × 0.5	P2	TNMQ016G1	1.5P	95	13	-	48	12.5	10	13	4	7	¥ 8,180*
M17 × 2	P3	TNMR017Q5	5P	100	33	-	51	14	11	14	4	6	¥ 9,960*
M17 × 2	P3	TNMR017Q1	1.5P	100	33	-	51	14	11	14	4	6	¥ 9,960*
M17 × 1.5	P4	TNMS017O5	5P	100	33	-	51	14	11	14	4	6	¥ 9,960*
M17 × 1.5	P4	TNMS017O1	1.5P	100	33	-	51	14	11	14	4	6	¥ 9,960*
M17 × 1.25	P4	TNMS017N5	5P	100	33	-	51	14	11	14	4	6	¥ 8,900*
M17 × 1.25	P4	TNMS017N1	1.5P	100	33	-	51	14	11	14	4	6	¥ 8,900*
M17 × 1	P3	TNMR017M5	5P	100	18	-	51	14	11	14	4	7	¥ 8,900*
M17 × 1	P3	TNMR017M1	1.5P	100	18	-	51	14	11	14	4	7	¥ 8,900*

Think threads with **YAMAWA**

* = Specified Distribution Items. Made to order products. For improvement, spec may change without advance notice.

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

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	¥ 11,600*
M17 × 0.75	P3	TNMR017J1	1.5P	100	16	-	51	14	11	14	4	7	¥ 11,600*
M17 × 0.5	P2	TNMQ017G5	5P	100	13	-	51	14	11	14	4	7	¥ 11,600*
M17 × 0.5	P2	TNMQ017G1	1.5P	100	13	-	51	14	11	14	4	7	¥ 11,600*
M18 × 2.5	P4	TNMS018R5	5P	100	33	-	51	14	11	14	4	6	¥ 6,960
M18 × 2.5	P4	TNMS018R1	1.5P	100	33	-	51	14	11	14	4	6	¥ 6,960
M18 × 2.5	P5	TNMT018R5	5P	100	33	-	51	14	11	14	4	6	¥ 6,960*
M18 × 2.5	P5	TNMT018R1	1.5P	100	33	-	51	14	11	14	4	6	¥ 6,960*
M18 × 2	P4	TNMS018O5	5P	100	33	-	51	14	11	14	4	6	¥ 6,960
M18 × 2	P4	TNMS018O1	1.5P	100	33	-	51	14	11	14	4	6	¥ 6,960
M18 × 1.5	P3	TNMR018O5	5P	100	33	-	51	14	11	14	4	6	¥ 6,960
M18 × 1.5	P3	TNMR018O1	1.5P	100	33	-	51	14	11	14	4	6	¥ 6,960
M18 × 1.5	P4	TNMS018O5	5P	100	33	-	51	14	11	14	4	6	¥ 6,960*
M18 × 1.5	P4	TNMS018O1	1.5P	100	33	-	51	14	11	14	4	6	¥ 6,960*
M18 × 1.5	P5	TNMT018O5	5P	100	33	-	51	14	11	14	4	6	¥ 6,960*
M18 × 1.5	P5	TNMT018O1	1.5P	100	33	-	51	14	11	14	4	6	¥ 6,960*
M18 × 1.25	P4	TNMS018N5	5P	100	33	-	51	14	11	14	4	6	¥ 8,900*
M18 × 1.25	P4	TNMS018N1	1.5P	100	33	-	51	14	11	14	4	6	¥ 8,900*
M18 × 1	P3	TNMR018M5	5P	100	18	-	51	14	11	14	4	7	¥ 8,900
M18 × 1	P3	TNMR018M1	1.5P	100	18	-	51	14	11	14	4	7	¥ 8,900
M18 × 0.75	P3	TNMR018J5	5P	100	16	-	51	14	11	14	4	7	¥ 11,600*
M18 × 0.75	P3	TNMR018J1	1.5P	100	16	-	51	14	11	14	4	7	¥ 11,600*
M18 × 0.5	P2	TNMQ018G5	5P	100	13	-	51	14	11	14	4	7	¥ 11,600*
M18 × 0.5	P2	TNMQ018G1	1.5P	100	13	-	51	14	11	14	4	7	¥ 11,600*
M19 × 2.5	P4	TNMS019R5	5P	105	33	-	50	15	12	15	4	8	¥ 9,400*
M19 × 2.5	P4	TNMS019R1	1.5P	105	33	-	50	15	12	15	4	8	¥ 9,400*
M19 × 2	P4	TNMS019O5	5P	105	33	-	50	15	12	15	4	8	¥ 9,400*
M19 × 2	P4	TNMS019O1	1.5P	105	33	-	50	15	12	15	4	8	¥ 9,400*
M19 × 1.5	P3	TNMR019O5	5P	105	33	-	50	15	12	15	4	8	¥ 9,400*
M19 × 1.5	P3	TNMR019O1	1.5P	105	33	-	50	15	12	15	4	8	¥ 9,400*
M19 × 1	P3	TNMR019M5	5P	105	18	-	50	15	12	15	4	9	¥ 12,000*
M19 × 1	P3	TNMR019M1	1.5P	105	18	-	50	15	12	15	4	9	¥ 12,000*
M19 × 0.75	P3	TNMR019J5	5P	105	14	-	50	15	12	15	4	9	¥ 15,300*
M19 × 0.75	P3	TNMR019J1	1.5P	105	14	-	50	15	12	15	4	9	¥ 15,300*
M19 × 0.5	P2	TNMQ019G5	5P	105	14	-	50	15	12	15	4	9	¥ 15,300*
M19 × 0.5	P2	TNMQ019G1	1.5P	105	14	-	50	15	12	15	4	9	¥ 15,300*
M20 × 2.5	P4	TNMS020R5	5P	105	33	-	50	15	12	15	4	8	¥ 9,400
M20 × 2.5	P4	TNMS020R1	1.5P	105	33	-	50	15	12	15	4	8	¥ 9,400
M20 × 2.5	P5	TNMT020R5	5P	105	33	-	50	15	12	15	4	8	¥ 9,400*
M20 × 2.5	P5	TNMT020R1	1.5P	105	33	-	50	15	12	15	4	8	¥ 9,400*
M20 × 2	P4	TNMS020O5	5P	105	33	-	50	15	12	15	4	8	¥ 9,400
M20 × 2	P4	TNMS020O1	1.5P	105	33	-	50	15	12	15	4	8	¥ 9,400
M20 × 1.5	P3	TNMR020O5	5P	105	33	-	50	15	12	15	4	8	¥ 9,400
M20 × 1.5	P3	TNMR020O1	1.5P	105	33	-	50	15	12	15	4	8	¥ 9,400
M20 ×													

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
- ⑩ Dies
- ⑪ Center Drills / Centering Tools

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	¥ 12,000
M20 × 1	P3	TNMR020M1	1.5P	105	18	-	50	15	12	15	4	9	¥ 12,000
M20 × 0.75	P3	TNMR020J5	5P	105	14	-	50	15	12	15	4	9	¥ 15,300*
M20 × 0.75	P3	TNMR020J1	1.5P	105	14	-	50	15	12	15	4	9	¥ 15,300*
M20 × 0.5	P2	TNMQ020G5	5P	105	14	-	50	15	12	15	4	9	¥ 15,300*
M20 × 0.5	P2	TNMQ020G1	1.5P	105	14	-	50	15	12	15	4	9	¥ 15,300*
M21 × 2	P4	TNMS021Q5	5P	115	33	-	55	17	13	16	4	8	¥ 12,100*
M21 × 2	P4	TNMS021Q1	1.5P	115	33	-	55	17	13	16	4	8	¥ 12,100*
M21 × 1.5	P3	TNMR021Q5	5P	115	33	-	55	17	13	16	4	8	¥ 12,100*
M21 × 1.5	P3	TNMR021Q1	1.5P	115	33	-	55	17	13	16	4	8	¥ 12,100*
M21 × 1	P3	TNMR021M5	5P	115	19	-	55	17	13	16	4	9	¥ 15,700*
M21 × 1	P3	TNMR021M1	1.5P	115	19	-	55	17	13	16	4	9	¥ 15,700*
M22 × 2.5	P4	TNMS022R5	5P	115	33	-	55	17	13	16	4	8	¥ 12,100*
M22 × 2.5	P4	TNMS022R1	1.5P	115	33	-	55	17	13	16	4	8	¥ 12,100*
M22 × 2.5	P5	TNMT022R5	5P	115	33	-	55	17	13	16	4	8	¥ 12,100*
M22 × 2.5	P5	TNMT022R1	1.5P	115	33	-	55	17	13	16	4	8	¥ 12,100*
M22 × 2	P4	TNMS022Q5	5P	115	33	-	55	17	13	16	4	8	¥ 12,100*
M22 × 2	P4	TNMS022Q1	1.5P	115	33	-	55	17	13	16	4	8	¥ 12,100*
M22 × 1.5	P3	TNMR022Q5	5P	115	33	-	55	17	13	16	4	8	¥ 12,100*
M22 × 1.5	P3	TNMR022Q1	1.5P	115	33	-	55	17	13	16	4	8	¥ 12,100*
M22 × 1.5	P4	TNMS022Q5	5P	115	33	-	55	17	13	16	4	8	¥ 12,100*
M22 × 1.5	P4	TNMS022Q1	1.5P	115	33	-	55	17	13	16	4	8	¥ 12,100*
M22 × 1.5	P5	TNMT022Q5	5P	115	33	-	55	17	13	16	4	8	¥ 12,100*
M22 × 1.5	P5	TNMT022Q1	1.5P	115	33	-	55	17	13	16	4	8	¥ 12,100*
M22 × 1.25	P4	TNMS022N5	5P	115	19	-	55	17	13	16	4	9	¥ 15,700*
M22 × 1.25	P4	TNMS022N1	1.5P	115	19	-	55	17	13	16	4	9	¥ 15,700*
M22 × 1	P3	TNMR022M5	5P	115	19	-	55	17	13	16	4	9	¥ 15,700*
M22 × 1	P3	TNMR022M1	1.5P	115	19	-	55	17	13	16	4	9	¥ 15,700*
M22 × 0.75	P3	TNMR022J5	5P	115	14	-	55	17	13	16	4	9	¥ 18,700*
M22 × 0.75	P3	TNMR022J1	1.5P	115	14	-	55	17	13	16	4	9	¥ 18,700*
M22 × 0.5	P2	TNMQ022G5	5P	115	14	-	55	17	13	16	4	9	¥ 18,700*
M22 × 0.5	P2	TNMQ022G1	1.5P	115	14	-	55	17	13	16	4	9	¥ 18,700*
M23 × 2	P4	TNMS023Q5	5P	120	39	-	55	19	15	18	4	8	¥ 15,100*
M23 × 2	P4	TNMS023Q1	1.5P	120	39	-	55	19	15	18	4	8	¥ 15,100*
M23 × 1.5	P3	TNMR023Q5	5P	120	39	-	55	19	15	18	4	8	¥ 15,100*
M23 × 1.5	P3	TNMR023Q1	1.5P	120	39	-	55	19	15	18	4	8	¥ 15,100*
M23 × 1	P3	TNMR023M5	5P	120	19	-	55	19	15	18	4	9	¥ 19,300*
M23 × 1	P3	TNMR023M1	1.5P	120	19	-	55	19	15	18	4	9	¥ 19,300*
M24 × 3	P4	TNMS024S5	5P	120	39	-	55	19	15	18	4	8	¥ 15,100*
M24 × 3	P4	TNMS024S1	1.5P	120	39	-	55	19	15	18	4	8	¥ 15,100*
M24 × 3	P5	TNMT024S5	5P	120	39	-	55	19	15	18	4	8	¥ 15,100*
M24 × 3	P5	TNMT024S1	1.5P	120	39	-	55	19	15	18	4	8	¥ 15,100*
M24 × 2	P4	TNMS024Q5	5P	120	39	-	55	19	15	18	4	8	¥ 15,100*
M24 × 2	P4	TNMS024Q1	1.5P	120	39	-	55	19	15	18	4	8	¥ 15,100*
M24 × 1.5	P3	TNMR024Q5	5P	120	39	-	55	19	15	18	4	8	¥ 15,100*
M24 × 1.5	P3	TNMR024Q1	1.5P	120	39	-	55	19	15	18	4	8	¥ 15,100*
M24 × 1.5	P4	TNMS024Q5	5P	120	39	-	55	19	15	18	4	8	¥ 15,100*
M24 × 1.5	P4	TNMS024Q1	1.5P	120	39	-	55	19	15	18	4	8	¥ 15,100*
M24 × 1.5	P5	TNMT024Q5	5P	120	39	-	55	19	15	18	4	8	¥ 15,100*
M24 × 1.5	P5	TNMT024Q1	1.5P	120	39	-	55	19	15	18	4	8	¥ 15,100*

Think threads with **YAMAWA**

* = Specified Distribution Items. Made to order products. For improvement, spec may change without advance notice.

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

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
- ⑩ Dies
- ⑪ Center Drills / Centering Tools

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	¥ 19,300*
M24 × 1.25	P4	TNMS024N1	1.5P	120	19	-	55	19	15	18	4	9	¥ 19,300*
M24 × 1	P3	TNMR024M5	5P	120	19	-	55	19	15	18	4	9	¥ 19,300*
M24 × 1	P3	TNMR024M1	1.5P	120	19	-	55	19	15	18	4	9	¥ 19,300*
M24 × 0.75	P3	TNMR024J5	5P	120	15	-	55	19	15	18	4	9	¥ 23,600*
M24 × 0.75	P3	TNMR024J1	1.5P	120	15	-	55	19	15	18	4	9	¥ 23,600*
M24 × 0.5	P2	TNMQ024G5	5P	120	15	-	55	19	15	18	4	9	¥ 23,600*
M24 × 0.5	P2	TNMQ024G1	1.5P	120	15	-	55	19	15	18	4	9	¥ 23,600*
M25 × 3	P4	TNMS025S5	5P	125	39	-	58	19	15	18	4	8	¥ 20,000*
M25 × 3	P4	TNMS025S1	1.5P	125	39	-	58	19	15	18	4	8	¥ 20,000*
M25 × 2	P4	TNMS025Q5	5P	125	39	-	58	19	15	18	4	8	¥ 20,000*
M25 × 2	P4	TNMS025Q1	1.5P	125	39	-	58	19	15	18	4	8	¥ 20,000*
M25 × 1.5	P3	TNMR025Q5	5P	125	39	-	58	19	15	18	4	8	¥ 20,000*
M25 × 1.5	P3	TNMR025Q1	1.5P	125	39	-	58	19	15	18	4	8	¥ 20,000*
M25 × 1	P3	TNMR025M5	5P	125	20	-	58	19	15	18	4	9	¥ 23,600*
M25 × 1	P3	TNMR025M1	1.5P	125	20	-	58	19	15	18	4	9	¥ 23,600*
M26 × 3	P4	TNMS026S5	5P	130	39	-	60	20	15	18	4	8	¥ 21,400*
M26 × 3	P4	TNMS026S1	1.5P	130	39	-	60	20	15	18	4	8	¥ 21,400*
M26 × 2	P4	TNMS026Q5	5P	130	39	-	60	20	15	18	4	8	¥ 21,400*
M26 × 2	P4	TNMS026Q1	1.5P	130	39	-	60	20	15	18	4	8	¥ 21,400*
M26 × 1.5	P3	TNMR026Q5	5P	130	39	-	60	20	15	18	4	8	¥ 21,400*
M26 × 1.5	P3	TNMR026Q1	1.5P	130	39	-	60	20	15	18	4	8	¥ 21,400*
M26 × 1	P3	TNMR026M5	5P	130	20	-	60	20	15	18	4	9	¥ 26,400*
M26 × 1	P3	TNMR026M1	1.5P	130	20	-	60	20	15	18	4	9	¥ 26,400*
M27 × 3	P4	TNMS027S5	5P	130	39	-	60	20	15	18	4	8	¥ 21,400*
M27 × 3	P4	TNMS027S1	1.5P	130	39	-	60	20	15	18	4	8	¥ 21,400*
M27 × 2	P5	TNMT027Q5	5P	130	39	-	60	20	15	18	4	8	¥ 21,400*
M27 × 2	P5	TNMT027Q1	1.5P	130	39	-	60	20	15	18	4	8	¥ 21,400*
M27 × 1.5	P3	TNMR027Q5	5P	130	39	-	60	20	15	18	4	8	¥ 21,400*
M27 × 1.5	P3	TNMR027Q1	1.5P	130	39	-	60	20	15	18	4	8	¥ 21,400*
M27 × 1	P3	TNMR027M5	5P	130	20	-	60	20	15	18	4	9	¥ 26,400*
M27 × 1	P3	TNMR027M1	1.5P	130	20	-	60	20	15	18	4	9	¥ 26,400*
M28 × 3	P4	TNMS028S5	5P	135	46	-	62	23	17	20	4	8	¥ 27,300*
M28 × 3	P4	TNMS028S1	1.5P	135	46	-	62	23	17	20	4	8	¥ 27,300*
M28 × 2	P4	TNMS028Q5	5P	135	46	-	62	23	17	20	4	8	¥ 27,300*
M28 × 2	P4	TNMS028Q1	1.5P	135	46	-	62	23	17	20	4	8	¥ 27,300*
M28 × 1.5	P3	TNMR028Q5	5P	135	46	-	62	23	17	20	4	8	¥ 27,300*
M28 × 1.5	P3	TNMR028Q1	1.5P	135	46	-	62	23	17	20	4	8	¥ 27,300*
M28 × 1	P3	TNMR028M5	5P	135	20	-	62	23	17	20	4	9	¥ 34,100*
M28 × 1	P3	TNMR028M1	1.5P	135	20	-	62	23	17	20	4	9	¥ 34,100*
M29 × 1.5	P3	TNMR029Q5	5P	135	46	-	62	23	17	20	4	8	¥ 27,300*
M29 × 1.5	P3	TNMR029Q1	1.5P	135	46	-	62	23	17	20	4	8	¥ 27,300*
M30 × 3.5	P4	TNMS030T5	5P	135	46	-	62	23	17	20	4	8	¥ 27,300*
M30 × 3.5	P4	TNMS030T1	1.5P	135	46	-	62	23	17	20	4	8	¥ 27,300*
M30 × 3	P5	TNMT030S5	5P	135	46	-	6						