

## HT Hand Taps

### Specification



### Tapping Speeds depending on Materials

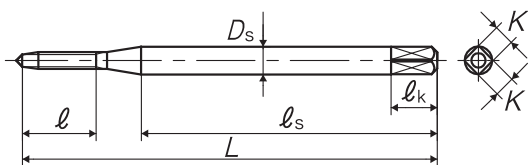
Low carbon steels 低碳素鋼	Medium carbon steels 中炭素鋼	High carbon steels 高炭素鋼
5~10 (m/min)	5~10 (m/min)	5~10 (m/min)

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

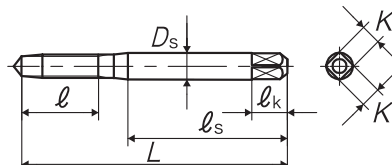


The HT taps produce a chip that is relatively small and is stored in the taps flutes. The HT taps have a high cutting edge strength and can be used on a wide variety of machines from manual drilling machines and machining centers.

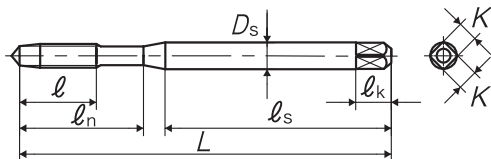
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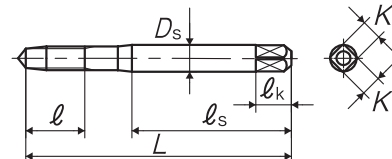
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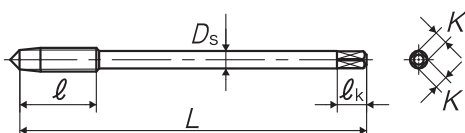
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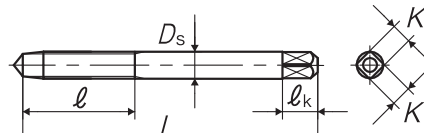
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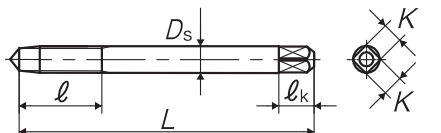
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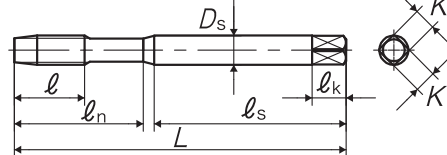
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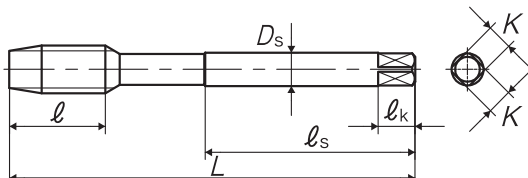
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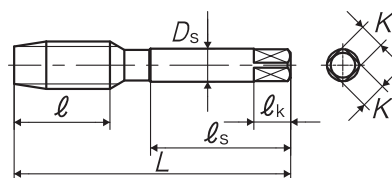
TYPE: 8



TYPE: 9



TYPE: 10



- 4
- DIN
- Spiral Fluted Taps (for blind hole) ①
- Spiral Fluted Taps (for through hole) ②
- Spiral Pointed Taps (for through hole) ③
- Hand Taps ④
- Cemented Carbide Taps ⑤
- Roll Taps ⑥
- Special Thread Taps Simple inspection tools ⑦
- Pipe Taps ⑧
- Thread Mills Premium Thread Mills ⑨
- Dies ⑩
- Center Drills Centering Tools ⑪
- Precision Machinery/Metal Surgical Instruments ⑫

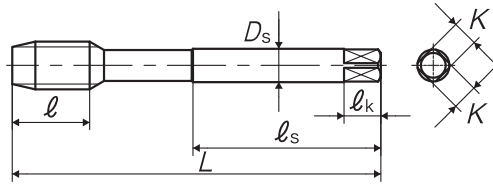
# 4 Hand Tap Series

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

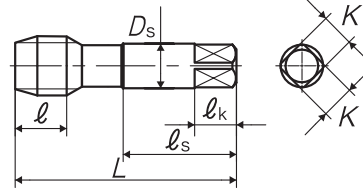
DIN

## HT Hand Taps

TYPE: 11



TYPE: 12



Segment: 1B (Pg.G=1H)

Size	Class	Code	Chamfer	L (mm)	ℓ (mm)	ℓn (mm)	ℓs (mm)	Ds (mm)	K (mm)	ℓk (mm)	No. of flutes	TYPE
For Metric Threads												
M2 × 0.4	ISO2	TD2.0EANBC	2.5P	45	8	-	32	2.8	2.1	5	3	1
M2 × 0.4	ISO2	TQ2.0EANEB2	F	36	8	-	21	2.8	2.1	5	3	2
M2 × 0.4	ISO2	TQ2.0EANEBU	M	36	8	-	21	2.8	2.1	5	3	2
M2 × 0.4	ISO2	TQ2.0EANEB5	V	36	8	-	21	2.8	2.1	5	3	2
M2 × 0.4	ISO2	61102.0S	SET	36	8	-	21	2.8	2.1	5	3	2
M2.2 × 0.45	ISO2	TQ2.2FANEB2	F	36	9	-	21	2.8	2.1	5	3	2
M2.2 × 0.45	ISO2	TQ2.2FANEBU	M	36	9	-	21	2.8	2.1	5	3	2
M2.2 × 0.45	ISO2	TQ2.2FANEB5	V	36	9	-	21	2.8	2.1	5	3	2
M2.2 × 0.45	ISO2	61102.2S	SET	36	9	-	21	2.8	2.1	5	3	2
M2.3 × 0.4	ISO2	TQ2.3EANEB2	F	36	9	-	21	2.8	2.1	5	3	2
M2.3 × 0.4	ISO2	TQ2.3EANEBU	M	36	9	-	21	2.8	2.1	5	3	2
M2.3 × 0.4	ISO2	TQ2.3EANEB5	V	36	9	-	21	2.8	2.1	5	3	2
M2.3 × 0.4	ISO2	61102.3S	SET	36	9	-	21	2.8	2.1	5	3	2
M2.5 × 0.45	ISO2	TD2.5FANBC	2.5P	50	8	-	33	2.8	2.1	5	3	3
M2.5 × 0.45	ISO2	TQ2.5FANEB2	F	40	9	-	27	2.8	2.1	5	3	2
M2.5 × 0.45	ISO2	TQ2.5FANEBU	M	40	9	-	27	2.8	2.1	5	3	2
M2.5 × 0.45	ISO2	TQ2.5FANEB5	V	40	9	-	27	2.8	2.1	5	3	2
M2.5 × 0.45	ISO2	61102.5S	SET	40	9	-	27	2.8	2.1	5	3	2
M2.6 × 0.45	ISO2	TQ2.6FANEB2	F	40	9	-	27	2.8	2.1	5	3	2
M2.6 × 0.45	ISO2	TQ2.6FANEBU	M	40	9	-	27	2.8	2.1	5	3	2
M2.6 × 0.45	ISO2	TQ2.6FANEB5	V	40	9	-	27	2.8	2.1	5	3	2
M2.6 × 0.45	ISO2	61102.6S	SET	40	9	-	27	2.8	2.1	5	3	2
M3 × 0.5	ISO2	TD3.0GANBC	2.5P	56	9	-	34	3.5	2.7	6	3	3
M3 × 0.5	ISO2	TQ3.0GANEB2	F	40	11	-	24	3.5	2.7	6	3	2
M3 × 0.5	ISO2	TQ3.0GANEBU	M	40	11	-	24	3.5	2.7	6	3	2
M3 × 0.5	ISO2	TQ3.0GANEB5	V	40	11	-	24	3.5	2.7	6	3	2
M3 × 0.5	ISO2	61103.0S	SET	40	11	-	24	3.5	2.7	6	3	2
M3 × 0.35	ISO2	TR3.0DANEB2	F	40	9	-	24	3.5	2.7	6	3	4
M3 × 0.35	ISO2	TR3.0DANEB5	V	40	9	-	24	3.5	2.7	6	3	4
M3 × 0.35	ISO2	62113.0DS	SET	40	9	-	24	3.5	2.7	6	3	4
M3.5 × 0.6	ISO2	TQ3.5HANEB2	F	45	13	-	26	4	3	6	3	2
M3.5 × 0.6	ISO2	TQ3.5HANEBU	M	45	13	-	26	4	3	6	3	2
M3.5 × 0.6	ISO2	TQ3.5HANEB5	V	45	13	-	26	4	3	6	3	2
M3.5 × 0.6	ISO2	61103.5S	SET	45	13	-	26	4	3	6	3	2
M3.5 × 0.35	ISO2	TR3.5DANEB2	F	45	10	-	26	4	3	6	3	4
M3.5 × 0.35	ISO2	TR3.5DANEB5	V	45	10	-	26	4	3	6	3	4
M4 × 0.7	ISO2	TD4.0IANBC	2.5P	63	13	-	38	4.5	3.4	6	3	3
M4 × 0.7	ISO2	TQ4.0IANEB2	F	45	13	-	27	4.5	3.4	6	3	2
M4 × 0.7	ISO2	TQ4.0IANEBU	M	45	13	-	27	4.5	3.4	6	3	2
M4 × 0.7	ISO2	TQ4.0IANEB5	V	45	13	-	27	4.5	3.4	6	3	2
M4 × 0.7	ISO2	61104.0S	SET	45	13	-	27	4.5	3.4	6	3	2

1 Spiral Fluted Taps (for blind hole)

2 Spiral Fluted Taps (for through hole)

3 Spiral Pointed Taps (for through hole)

4 Hand Taps

5 Cemented Carbide Taps

6 Roll Taps

7 Special Thread Taps (Simple inspection tools)

8 Pipe Taps

9 Thread Mills (Premium Thread Mills)

10 Dies

11 Center Drills (Centering Tools)

12 Precision Machinery/ Medical Surgical Instruments

DIN



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

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

DIN

## 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
M4 × 0.5	ISO2	TR4.0GANEB2	F	45	10	-	27	4.5	3.4	6	3	4
M4 × 0.5	ISO2	TR4.0GANEB5	V	45	10	-	27	4.5	3.4	6	3	4
M4 × 0.5	ISO2	62114.0GS	SET	45	10	-	27	4.5	3.4	6	3	4
M4.5 × 0.75	ISO2	TQ4.5JANEB2	F	50	16	-	24	6	4.9	8	3	2
M4.5 × 0.75	ISO2	TQ4.5JANEBU	M	50	16	-	24	6	4.9	8	3	2
M4.5 × 0.75	ISO2	TQ4.5JANEB5	V	50	16	-	24	6	4.9	8	3	2
M4.5 × 0.75	ISO2	61104.5S	SET	50	16	-	24	6	4.9	8	3	2
M5 × 0.8	ISO2	TD5.0KANEBBC	2.5P	70	14	-	39	6	4.9	8	3	3
M5 × 0.8	ISO2	TQ5.0KANEB2	F	50	16	-	24	6	4.9	8	3	2
M5 × 0.8	ISO2	TQ5.0KANEBU	M	50	16	-	24	6	4.9	8	3	2
M5 × 0.8	ISO2	TQ5.0KANEB5	V	50	16	-	24	6	4.9	8	3	2
M5 × 0.8	ISO2	61105.0S	SET	50	16	-	24	6	4.9	8	3	2
M5 × 0.5	ISO2	TR5.0GANEB2	F	50	12	-	24	6	4.9	8	3	4
M5 × 0.5	ISO2	TR5.0GANEB5	V	50	12	-	24	6	4.9	8	3	4
M5 × 0.5	ISO2	62115.0GS	SET	50	12	-	24	6	4.9	8	3	4
M6 × 1	ISO2	TD6.0MANEBBC	2.5P	80	15	-	45	6	4.9	8	3	3
M6 × 1	ISO2	TG6.0MANEBBC	2.5P	80	15	-	-	4.5	3.4	6	3	5
M6 × 1	ISO2	TQ6.0MANEB2	F	50	19	-	-	6	4.9	8	3	6
M6 × 1	ISO2	TQ6.0MANEBU	M	50	19	-	-	6	4.9	8	3	6
M6 × 1	ISO2	TQ6.0MANEB5	V	50	19	-	-	6	4.9	8	3	6
M6 × 1	ISO2	61106.0S	SET	50	19	-	-	6	4.9	8	3	6
M6 × 0.75	ISO2	TR6.0JANEB2	F	50	14	-	-	6	4.9	8	3	7
M6 × 0.75	ISO2	TR6.0JANEB5	V	50	14	-	-	6	4.9	8	3	7
M6 × 0.75	ISO2	62116.0JS	SET	50	14	-	-	6	4.9	8	3	7
M6 × 0.5	ISO2	TR6.0GANEB2	F	50	14	-	-	6	4.9	8	3	7
M6 × 0.5	ISO2	TR6.0GANEB5	V	50	14	-	-	6	4.9	8	3	7
M6 × 0.5	ISO2	62116.0GS	SET	50	14	-	-	6	4.9	8	3	7
M7 × 1	ISO2	TD7.0MANEBBC	2.5P	80	15	-	45	7	5.5	8	3	8
M7 × 1	ISO2	TQ7.0MANEB2	F	50	15	-	26	6	4.9	8	4	10
M7 × 1	ISO2	TQ7.0MANEBU	M	50	15	-	26	6	4.9	8	4	10
M7 × 1	ISO2	TQ7.0MANEB5	V	50	15	-	26	6	4.9	8	4	10
M7 × 1	ISO2	61107.0S	SET	50	15	-	26	6	4.9	8	4	10
M7 × 0.75	ISO2	TR7.0JANEB2	F	50	13	-	26	6	4.9	8	4	10
M7 × 0.75	ISO2	TR7.0JANEB5	V	50	13	-	26	6	4.9	8	4	10
M7 × 0.75	ISO2	62117.0JS	SET	50	13	-	26	6	4.9	8	4	10
M8 × 1.25	ISO2	TD8.0NANEBBC	2.5P	90	19	-	47	8	6.2	9	3	8
M8 × 1.25	ISO2	TG8.0NANEBBC	2.5P	90	19	-	46	6	4.9	8	3	9
M8 × 1.25	ISO2	TQ8.0NANEB2	F	56	19	-	29	6	4.9	8	4	10
M8 × 1.25	ISO2	TQ8.0NANEBU	M	56	19	-	29	6	4.9	8	4	10
M8 × 1.25	ISO2	TQ8.0NANEB5	V	56	19	-	29	6	4.9	8	4	10
M8 × 1.25	ISO2	61108.0S	SET	56	19	-	29	6	4.9	8	4	10
M8 × 1	ISO2	TM8.0MANEBBC	2.5P	90	19	-	46	6	4.9	8	3	11
M8 × 1	ISO2	TR8.0MANEB2	F	56	19	-	29	6	4.9	8	4	10
M8 × 1	ISO2	TR8.0MANEB5	V	56	19	-	29	6	4.9	8	4	10
M8 × 1	ISO2	62118.0MS	SET	56	19	-	29	6	4.9	8	4	10
M8 × 0.75	ISO2	TR8.0JANEB2	F	50	15	-	26	6	4.9	8	4	10
M8 × 0.75	ISO2	TR8.0JANEB5	V	50	15	-	26	6	4.9	8	4	10
M8 × 0.75	ISO2	62118.0JS	SET	50	15	-	26	6	4.9	8	4	10
M8 × 0.5	ISO2	TR8.0GANEB2	F	50	15	-	26	6	4.9	8	4	10
M8 × 0.5	ISO2	TR8.0GANEB5	V	50	15	-	26	6	4.9	8	4	10

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

DIN

## 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
M8 × 0.5	ISO2	62118.0GS	SET	50	15	-	26	6	4.9	8	4	10
M9 × 1.25	ISO2	TD9.0NANEBC	2.5P	90	19	-	48	9	7	10	3	8
M9 × 1.25	ISO2	TQ9.0NANEBC	F	63	19	-	32	7	5.5	8	4	10
M9 × 1.25	ISO2	TQ9.0NANEBC	M	63	19	-	32	7	5.5	8	4	10
M9 × 1.25	ISO2	TQ9.0NANEBC	V	63	19	-	32	7	5.5	8	4	10
M9 × 1.25	ISO2	61109.0S	SET	63	19	-	32	7	5.5	8	4	10
M9 × 1	ISO2	TR9.0MANEB2	F	63	19	-	32	7	5.5	8	4	10
M9 × 1	ISO2	TR9.0MANEB5	V	63	19	-	32	7	5.5	8	4	10
M9 × 1	ISO2	62119.0MS	SET	63	19	-	32	7	5.5	8	4	10
M9 × 0.75	ISO2	TR9.0JANEBC	F	56	19	-	29	7	5.5	8	4	10
M9 × 0.75	ISO2	TR9.0JANEBC	V	56	19	-	29	7	5.5	8	4	10
M9 × 0.75	ISO2	62119.0JS	SET	56	19	-	29	7	5.5	8	4	10
M10 × 1.5	ISO2	TD010OANEBC	2.5P	100	23	-	52.5	10	8	11	3	8
M10 × 1.5	ISO2	TG010OANEBC	2.5P	100	23	-	51	7	5.5	8	3	9
M10 × 1.5	ISO2	TQ010OANEBC	F	70	23	-	36	7	5.5	8	4	10
M10 × 1.5	ISO2	TQ010OANEBC	M	70	23	-	36	7	5.5	8	4	10
M10 × 1.5	ISO2	TQ010OANEBC	V	70	23	-	36	7	5.5	8	4	10
M10 × 1.5	ISO2	6110010S	SET	70	23	-	36	7	5.5	8	4	10
M10 × 1.25	ISO2	TM010NANEBC	2.5P	100	23	-	51	7	5.5	8	3	11
M10 × 1.25	ISO2	TR010NANEBC	F	70	23	-	36	7	5.5	8	4	10
M10 × 1.25	ISO2	TR010NANEBC	V	70	23	-	36	7	5.5	8	4	10
M10 × 1.25	ISO2	6211010NS	SET	70	23	-	36	7	5.5	8	4	10
M10 × 1	ISO2	TM010MANEBC	2.5P	90	19	-	46	7	5.5	8	3	11
M10 × 1	ISO2	TR010MANEB2	F	63	19	-	32	7	5.5	8	4	10
M10 × 1	ISO2	TR010MANEB5	V	63	19	-	32	7	5.5	8	4	10
M10 × 1	ISO2	6211010MS	SET	63	19	-	32	7	5.5	8	4	10
M10 × 0.75	ISO2	TR010JANEBC	F	63	19	-	32	7	5.5	8	4	10
M10 × 0.75	ISO2	TR010JANEBC	V	63	19	-	32	7	5.5	8	4	10
M10 × 0.75	ISO2	6211010JS	SET	63	19	-	32	7	5.5	8	4	10
M10 × 0.5	ISO2	TR010GANEB2	F	63	19	-	32	7	5.5	8	4	10
M10 × 0.5	ISO2	TR010GANEB5	V	63	19	-	32	7	5.5	8	4	10
M10 × 0.5	ISO2	6211010GS	SET	63	19	-	32	7	5.5	8	4	10
M11 × 1.5	ISO2	TQ011OANEBC	F	70	23	-	36	8	6.2	9	4	10
M11 × 1.5	ISO2	TQ011OANEBC	M	70	23	-	36	8	6.2	9	4	10
M11 × 1.5	ISO2	TQ011OANEBC	V	70	23	-	36	8	6.2	9	4	10
M12 × 1.75	ISO2	TG012PANEBBC	2.5P	110	26	-	56	9	7	10	3	9
M12 × 1.75	ISO2	TQ012PANEB2	F	75	26	-	38	9	7	10	4	10
M12 × 1.75	ISO2	TQ012PANEB2	M	75	26	-	38	9	7	10	4	10
M12 × 1.75	ISO2	TQ012PANEB2	V	75	26	-	38	9	7	10	4	10
M12 × 1.75	ISO2	6110012S	SET	75	26	-	38	9	7	10	4	10
M12 × 1.5	ISO2	TM012OANEBC	2.5P	100	21	-	51	9	7	10	3	11
M12 × 1.5	ISO2	TR012OANEBC	F	70	21	-	36	9	7	10	4	10
M12 × 1.5	ISO2	TR012OANEBC	V	70	21	-	36	9	7	10	4	10
M12 × 1.5	ISO2	6211012OS	SET	70	21	-	36	9	7	10	4	10
M12 × 1.25	ISO2	TM012NANEBC	2.5P	100	21	-	51	9	7	10	3	11
M12 × 1.25	ISO2	TR012NANEBC	F	70	21	-	36	9	7	10	4	10
M12 × 1.25	ISO2	TR012NANEBC	V	70	21	-	36	9	7	10	4	10
M12 × 1.25	ISO2	6211012NS	SET	70	21	-	36	9	7	10	4	10
M12 × 1	ISO2	TM012MANEBC	2.5P	100	21	-	51	9	7	10	3	11

- ① Spiral Fluted Taps (for blind hole)
- ② Spiral Fluted Taps (for through hole)
- ③ Spiral Pointed Taps (for through hole)
- ④ Hand Taps
- ⑤ Cemented Carbide Taps
- ⑥ Roll Taps
- ⑦ Special Thread Taps (Simple inspection tools)
- ⑧ Pipe Taps
- ⑨ Thread Mills (Premium Thread Mills)
- ⑩ Dies
- ⑪ Center Drills (Centering Tools)
- ⑫ Precision Machinery/ Medical Surgical Instruments

DIN

④-41



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

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

DIN

## 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
M12 × 1	ISO2	TR012MANEB2	F	70	21	-	36	9	7	10	4	10
M12 × 1	ISO2	TR012MANEB5	V	70	21	-	36	9	7	10	4	10
M12 × 1	ISO2	6211012MS	SET	70	21	-	36	9	7	10	4	10
M14 × 2	ISO2	TG014QANEBC	2.5P	110	26	-	56	11	9	12	3	9
M14 × 2	ISO2	TQ014QANEBC	F	80	26	-	41	11	9	12	4	10
M14 × 2	ISO2	TQ014QANEBCU	M	80	26	-	41	11	9	12	4	10
M14 × 2	ISO2	TQ014QANEBC5	V	80	26	-	41	11	9	12	4	10
M14 × 2	ISO2	6110014S	SET	80	26	-	41	11	9	12	4	10
M14 × 1.5	ISO2	TM014OANEBC	2.5P	100	21	-	51	11	9	12	3	11
M14 × 1.5	ISO2	TR014OANEBC	F	70	21	-	36	11	9	12	4	10
M14 × 1.5	ISO2	TR014OANEBC5	V	70	21	-	36	11	9	12	4	10
M14 × 1.5	ISO2	6211014OS	SET	70	21	-	36	11	9	12	4	10
M14 × 1.25	ISO2	TR014NANEBC	F	70	21	-	36	11	9	12	4	10
M14 × 1.25	ISO2	TR014NANEBC5	V	70	21	-	36	11	9	12	4	10
M14 × 1.25	ISO2	6211014NS	SET	70	21	-	36	11	9	12	4	10
M14 × 1	ISO2	TM014MANEBC	2.5P	100	21	-	51	11	9	12	3	11
M14 × 1	ISO2	TR014MANEBC	F	70	21	-	36	11	9	12	4	10
M14 × 1	ISO2	TR014MANEBC5	V	70	21	-	36	11	9	12	4	10
M14 × 1	ISO2	6211014MS	SET	70	21	-	36	11	9	12	4	10
M16 × 2	ISO2	TG016QANEBC	2.5P	110	26	-	56	12	9	12	3	9
M16 × 2	ISO2	TQ016QANEBC	F	80	26	-	41	12	9	12	4	10
M16 × 2	ISO2	TQ016QANEBCU	M	80	26	-	41	12	9	12	4	10
M16 × 2	ISO2	TQ016QANEBC5	V	80	26	-	41	12	9	12	4	10
M16 × 2	ISO2	6110016S	SET	80	26	-	41	12	9	12	4	10
M16 × 1.5	ISO2	TM016OANEBC	2.5P	100	21	-	51	12	9	12	3	11
M16 × 1.5	ISO2	TR016OANEBC	F	70	21	-	36	12	9	12	4	10
M16 × 1.5	ISO2	TR016OANEBC5	V	70	21	-	36	12	9	12	4	10
M16 × 1.5	ISO2	6211016OS	SET	70	21	-	36	12	9	12	4	10
M16 × 1	ISO2	TM016MANEBC	2.5P	100	21	-	51	12	9	12	3	11
M16 × 1	ISO2	TR016MANEBC	F	70	21	-	36	12	9	12	4	10
M16 × 1	ISO2	TR016MANEBC5	V	70	21	-	36	12	9	12	4	10
M16 × 1	ISO2	6211016MS	SET	70	21	-	36	12	9	12	4	10
M18 × 2.5	ISO2	TQ018RANEBC	F	95	33	-	48	14	11	14	4	10
M18 × 2.5	ISO2	TQ018RANEBCU	M	95	33	-	48	14	11	14	4	10
M18 × 2.5	ISO2	TQ018RANEBC5	V	95	33	-	48	14	11	14	4	10
M18 × 2.5	ISO2	6110018S	SET	95	33	-	48	14	11	14	4	10
M18 × 2	ISO2	TM018QANEBC	2.5P	125	33	-	64	14	11	14	3	11
M18 × 2	ISO2	TR018QANEBC	F	80	21	-	41	14	11	14	4	10
M18 × 2	ISO2	TR018QANEBC5	V	80	21	-	41	14	11	14	4	10
M18 × 2	ISO2	6211018QS	SET	80	21	-	41	14	11	14	4	10
M18 × 1.5	ISO2	TM018OANEBC	2.5P	110	24	-	56	14	11	14	3	11
M18 × 1.5	ISO2	TR018OANEBC	F	80	21	-	41	14	11	14	4	10
M18 × 1.5	ISO2	TR018OANEBC5	V	80	21	-	41	14	11	14	4	10
M18 × 1.5	ISO2	6211018OS	SET	80	21	-	41	14	11	14	4	10
M18 × 1	ISO2	TM018MANEBC	2.5P	110	24	-	56	14	11	14	3	11
M18 × 1	ISO2	TR018MANEBC	F	80	21	-	41	14	11	14	4	10
M18 × 1	ISO2	TR018MANEBC5	V	80	21	-	41	14	11	14	4	10
M18 × 1	ISO2	6211018MS	SET	80	21	-	41	14	11	14	4	10
M20 × 2.5	ISO2	TQ020RANEBC	F	95	33	-	48	16	12	15	4	10
M20 × 2.5	ISO2	TQ020RANEBCU	M	95	33	-	48	16	12	15	4	10

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

DIN

## 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
M20 × 2.5	ISO2	TQ020RANEBC	V	95	33	-	48	16	12	15	4	10
M20 × 2.5	ISO2	6110020S	SET	95	33	-	48	16	12	15	4	10
M20 × 2	ISO2	TM020QANEBC	2.5P	140	33	-	71	16	12	15	3	11
M20 × 2	ISO2	TR020QANEBC	F	80	21	-	41	16	12	15	4	10
M20 × 2	ISO2	TR020QANEBC	V	80	21	-	41	16	12	15	4	10
M20 × 2	ISO2	6211020QS	SET	80	21	-	41	16	12	15	4	10
M20 × 1.5	ISO2	TM020OANEBC	2.5P	125	24	-	64	16	12	15	3	11
M20 × 1.5	ISO2	TR020OANEBC	F	80	21	-	41	16	12	15	4	10
M20 × 1.5	ISO2	TR020OANEBC	V	80	21	-	41	16	12	15	4	10
M20 × 1.5	ISO2	6211020OS	SET	80	21	-	41	16	12	15	4	10
M20 × 1	ISO2	TM020MANEBC	2.5P	125	24	-	64	16	12	15	3	11
M20 × 1	ISO2	TR020MANEBC	F	80	21	-	41	16	12	15	4	10
M20 × 1	ISO2	TR020MANEBC	V	80	21	-	41	16	12	15	4	10
M20 × 1	ISO2	6211020MS	SET	80	21	-	41	16	12	15	4	10
M22 × 2.5	ISO2	TQ022RANEBC	F	100	33	-	51	18	14.5	17	4	10
M22 × 2.5	ISO2	TQ022RANEBC	M	100	33	-	51	18	14.5	17	4	10
M22 × 2.5	ISO2	TQ022RANEBC	V	100	33	-	51	18	14.5	17	4	10
M22 × 2.5	ISO2	6110022S	SET	100	33	-	51	18	14.5	17	4	10
M22 × 2	ISO2	TR022QANEBC	F	80	21	-	41	18	14.5	17	4	10
M22 × 2	ISO2	TR022QANEBC	V	80	21	-	41	18	14.5	17	4	10
M22 × 2	ISO2	6211022QS	SET	80	21	-	41	18	14.5	17	4	10
M22 × 1.5	ISO2	TM022OANEBC	2.5P	125	24	-	64	18	14.5	17	3	11
M22 × 1.5	ISO2	TR022OANEBC	F	80	21	-	41	18	14.5	17	4	10
M22 × 1.5	ISO2	TR022OANEBC	V	80	21	-	41	18	14.5	17	4	10
M22 × 1.5	ISO2	6211022OS	SET	80	21	-	41	18	14.5	17	4	10
M22 × 1	ISO2	TR022MANEBC	F	80	21	-	41	18	14.5	17	4	10
M22 × 1	ISO2	TR022MANEBC	V	80	21	-	41	18	14.5	17	4	10
M22 × 1	ISO2	6211022MS	SET	80	21	-	41	18	14.5	17	4	10
M24 × 3	ISO2	TG024SANEBC	2.5P	160	37	-	82	18	14.5	17	3	9
M24 × 3	ISO2	TQ024SANEBC	F	110	39	-	56	18	14.5	17	4	10
M24 × 3	ISO2	TQ024SANEBC	M	110	39	-	56	18	14.5	17	4	10
M24 × 3	ISO2	TQ024SANEBC	V	110	39	-	56	18	14.5	17	4	10
M24 × 3	ISO2	6110024S	SET	110	39	-	56	18	14.5	17	4	10
M24 × 2	ISO2	TM024QANEBC	2.5P	140	27	-	71	18	14.5	17	3	11
M24 × 2	ISO2	TR024QANEBC	F	90	21	-	46	18	14.5	17	4	10
M24 × 2	ISO2	TR024QANEBC	V	90	21	-	46	18	14.5	17	4	10
M24 × 2	ISO2	6211024QS	SET	90	21	-	46	18	14.5	17	4	10
M24 × 1.5	ISO2	TM024OANEBC	2.5P	140	27	-	71	18	14.5	17	3	11
M24 × 1.5	ISO2	TR024OANEBC	F	90	21	-	46	18	14.5	17	4	10
M24 × 1.5	ISO2	TR024OANEBC	V	90	21	-	46	18	14.5	17	4	10
M24 × 1.5	ISO2	6211024OS	SET	90	21	-	46	18	14.5	17	4	10
M24 × 1	ISO2	TM024MANEBC	2.5P	140	27	-	71	18	14.5	17	3	11
M24 × 1	ISO2	TR024MANEBC	F	90	21	-	46	18	14.5	17	4	10
M24 × 1	ISO2	TR024MANEBC	V	90	21	-	46	18	14.5	17	4	10
M24 × 1	ISO2	6211024MS	SET	90	21	-	46	18	14.5	17	4	10
M25 × 2	ISO2	TR025QANEBC	F	90	21	-	46	18	14.5	17	4	10
M25 × 2	ISO2	TR025QANEBC	V	90	21	-	46	18	14.5	17	4	10
M25 × 2	ISO2	6211025QS	SET	90	21	-	46	18	14.5	17	4	10
M25 × 1.5	ISO2	TM025OANEBC	2.5P	140	27	-	71	18	14.5	17	4	11

- ① Spiral Fluted Taps (for blind hole)
- ② Spiral Fluted Taps (for through hole)
- ③ Spiral Pointed Taps (for through hole)
- ④ Hand Taps
- ⑤ Cemented Carbide Taps
- ⑥ Roll Taps
- ⑦ Special Thread Taps (Simple inspection tools)
- ⑧ Pipe Taps
- ⑨ Thread Mills (Premium Thread Mills)
- ⑩ Dies
- ⑪ Center Drills (Centering Tools)
- ⑫ Precision Machinery/ Medical Surgical Instruments

DIN

④-43



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

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

DIN

## 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
M25 × 1.5	ISO2	TR025OANEBC	F	90	21	-	46	18	14.5	17	4	10
M25 × 1.5	ISO2	TR025OANEBC	V	90	21	-	46	18	14.5	17	4	10
M25 × 1.5	ISO2	6211025OS	SET	90	21	-	46	18	14.5	17	4	10
M26 × 1.5	ISO2	TM026OANEBC	2.5P	140	27	-	71	18	14.5	17	4	11
M26 × 1.5	ISO2	TR026OANEBC	F	90	21	-	46	18	14.5	17	4	10
M26 × 1.5	ISO2	TR026OANEBC	V	90	21	-	46	18	14.5	17	4	10
M26 × 1.5	ISO2	6211026OS	SET	90	21	-	46	18	14.5	17	4	10
M27 × 3	ISO2	TG027SANEBC	2.5P	160	37	-	82	20	16	19	4	9
M27 × 3	ISO2	TQ027SANEBC	F	110	39	-	56	20	16	19	4	10
M27 × 3	ISO2	TQ027SANEBC	M	110	39	-	56	20	16	19	4	10
M27 × 3	ISO2	TQ027SANEBC	V	110	39	-	56	20	16	19	4	10
M27 × 3	ISO2	6110027S	SET	110	39	-	56	20	16	19	4	10
M27 × 2	ISO2	TM027QANEBC	2.5P	140	27	-	71	20	16	19	4	11
M27 × 2	ISO2	TR027QANEBC	F	90	21	-	46	20	16	19	4	10
M27 × 2	ISO2	TR027QANEBC	V	90	21	-	46	20	16	19	4	10
M27 × 2	ISO2	6211027QS	SET	90	21	-	46	20	16	19	4	10
M27 × 1.5	ISO2	TR027OANEBC	F	90	21	-	46	20	16	19	4	10
M27 × 1.5	ISO2	TR027OANEBC	V	90	21	-	46	20	16	19	4	10
M27 × 1.5	ISO2	6211027OS	SET	90	21	-	46	20	16	19	4	10
M28 × 2	ISO2	TR028QANEBC	F	90	21	-	46	20	16	19	4	10
M28 × 2	ISO2	TR028QANEBC	V	90	21	-	46	20	16	19	4	10
M28 × 2	ISO2	6211028QS	SET	90	21	-	46	20	16	19	4	10
M28 × 1.5	ISO2	TM028OANEBC	2.5P	140	27	-	71	20	16	19	4	11
M28 × 1.5	ISO2	TR028OANEBC	F	90	21	-	46	20	16	19	4	10
M28 × 1.5	ISO2	TR028OANEBC	V	90	21	-	46	20	16	19	4	10
M28 × 1.5	ISO2	6211028OS	SET	90	21	-	46	20	16	19	4	10
M30 × 3.5	ISO2	TG030TANEBC	2.5P	180	44	-	92	22	18	21	4	9
M30 × 3.5	ISO2	TQ030TANEBC	F	125	46	-	64	22	18	21	4	10
M30 × 3.5	ISO2	TQ030TANEBC	M	125	46	-	64	22	18	21	4	10
M30 × 3.5	ISO2	TQ030TANEBC	V	125	46	-	64	22	18	21	4	10
M30 × 3.5	ISO2	6110030S	SET	125	46	-	64	22	18	21	4	10
M30 × 2	ISO2	TM030QANEBC	2.5P	150	27	-	77	22	18	21	4	11
M30 × 2	ISO2	TR030QANEBC	F	90	21	-	46	22	18	21	4	10
M30 × 2	ISO2	TR030QANEBC	V	90	21	-	46	22	18	21	4	10
M30 × 1.5	ISO2	TM030OANEBC	2.5P	150	27	-	77	22	18	21	4	11
M30 × 1.5	ISO2	TR030OANEBC	F	90	21	-	46	22	18	21	4	10
M30 × 1.5	ISO2	TR030OANEBC	V	90	21	-	46	22	18	21	4	10
M30 × 1.5	ISO2	6211030OS	SET	90	21	-	46	22	18	21	4	10
M30 × 1	ISO2	TM030MANEBC	2.5P	150	27	-	77	22	18	21	4	11
M30 × 1	ISO2	TR030MANEBC	F	90	21	-	46	22	18	21	4	10
M30 × 1	ISO2	TR030MANEBC	V	90	21	-	46	22	18	21	4	10
M30 × 1	ISO2	6211030MS	SET	90	21	-	46	22	18	21	4	10
M32 × 2	ISO2	TM032QANEBC	2.5P	150	27	-	77	22	18	21	4	11
M32 × 2	ISO2	TR032QANEBC	F	90	26	-	46	22	18	21	4	10
M32 × 2	ISO2	TR032QANEBC	V	90	26	-	46	22	18	21	4	10
M32 × 1.5	ISO2	TM032OANEBC	2.5P	150	27	-	77	22	18	21	4	11
M32 × 1.5	ISO2	TR032OANEBC	F	90	26	-	46	22	18	21	4	10

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

DIN

## 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
M32 × 1.5	ISO2	TR032OANEBC	V	90	26	-	46	22	18	21	4	10
M33 × 3.5	ISO2	TG033TANEBC	2.5P	180	46	-	92	25	20	23	4	9
M33 × 3.5	ISO2	TQ033TANEBC	F	125	46	-	64	25	20	23	4	10
M33 × 3.5	ISO2	TQ033TANEBC	M	125	46	-	64	25	20	23	4	10
M33 × 3.5	ISO2	TQ033TANEBC	V	125	46	-	64	25	20	23	4	10
M33 × 3	ISO2	TR033SANEBC	F	125	39	-	64	25	20	23	4	10
M33 × 3	ISO2	TR033SANEBC	V	125	39	-	64	25	20	23	4	10
M33 × 2	ISO2	TM033QANEBC	2.5P	160	29	-	82	25	20	23	4	11
M33 × 2	ISO2	TR033QANEBC	F	100	21	-	51	25	20	23	4	10
M33 × 2	ISO2	TR033QANEBC	V	100	21	-	51	25	20	23	4	10
M33 × 1.5	ISO2	TM033OANEBC	2.5P	160	29	-	82	25	20	23	4	11
M33 × 1.5	ISO2	TR033OANEBC	F	100	21	-	51	25	20	23	4	10
M33 × 1.5	ISO2	TR033OANEBC	V	100	21	-	51	25	20	23	4	10
M34 × 1.5	ISO2	TR034OANEBC	F	100	24	-	51	28	22	25	4	10
M34 × 1.5	ISO2	TR034OANEBC	V	100	24	-	51	28	22	25	4	10
M35 × 1.5	ISO2	TR035OANEBC	F	100	24	-	51	28	22	25	4	10
M35 × 1.5	ISO2	TR035OANEBC	V	100	24	-	51	28	22	25	4	10
M36 × 4	ISO2	TG036UANEBC	2.5P	200	52	-	102	28	22	25	4	9
M36 × 4	ISO2	TQ036UANEBC	F	150	52	-	77	28	22	25	4	10
M36 × 4	ISO2	TQ036UANEBC	M	150	52	-	77	28	22	25	4	10
M36 × 4	ISO2	TQ036UANEBC	V	150	52	-	77	28	22	25	4	10
M36 × 3	ISO2	TR036SANEBC	F	125	39	-	64	28	22	25	4	10
M36 × 3	ISO2	TR036SANEBC	V	125	39	-	64	28	22	25	4	10
M36 × 2	ISO2	TM036QANEBC	2.5P	170	29	-	87	28	22	25	4	11
M36 × 2	ISO2	TR036QANEBC	F	125	39	-	64	28	22	25	4	10
M36 × 2	ISO2	TR036QANEBC	V	125	39	-	64	28	22	25	4	10
M36 × 1.5	ISO2	TM036OANEBC	2.5P	170	29	-	87	28	22	25	4	11
M36 × 1.5	ISO2	TR036OANEBC	F	100	24	-	51	28	22	25	4	10
M36 × 1.5	ISO2	TR036OANEBC	V	100	24	-	51	28	22	25	4	10
M38 × 1.5	ISO2	TR038OANEBC	F	100	24	-	51	28	22	25	4	10
M38 × 1.5	ISO2	TR038OANEBC	V	100	24	-	51	28	22	25	4	10
M39 × 4	ISO2	TG039UANEBC	2.5P	200	52	-	102	32	24	27	4	9
M39 × 4	ISO2	TQ039UANEBC	F	150	52	-	77	32	24	27	4	10
M39 × 4	ISO2	TQ039UANEBC	M	150	52	-	77	32	24	27	4	10
M39 × 4	ISO2	TQ039UANEBC	V	150	52	-	77	32	24	27	4	10
M39 × 2	ISO2	TM039QANEBC	2.5P	170	29	-	87	32	24	27	4	11
M39 × 2	ISO2	TR039QANEBC	F	125	39	-	64	32	24	27	4	10
M39 × 2	ISO2	TR039QANEBC	V	125	39	-	64	32	24	27	4	10
M39 × 1.5	ISO2	TM039OANEBC	2.5P	170	29	-	87	32	24	27	4	11
M39 × 1.5	ISO2	TR039OANEBC	F	110	24	-	56	32	24	27	4	10
M39 × 1.5	ISO2	TR039OANEBC	V	110	24	-	56	32	24	27	4	10
M40 × 2	ISO2	TR040QANEBC	F	125	39	-	64	32	24	27	4	10
M40 × 2	ISO2	TR040QANEBC	V	125	39	-	64	32	24	27	4	10
M40 × 1.5	ISO2	TR040OANEBC	F	110	24	-	56	32	24	27	4	10
M40 × 1.5	ISO2	TR040OANEBC	V	110	24	-	56	32	24	27	4	10
M42 × 4.5	ISO2	TG042VANEBC	2.5P	200	59	-	102	32	24	27	4	9
M42 × 4.5	ISO2	TQ042VANEBC	F	150	59	-	77	32	24	27	4	10
M42 × 4.5	ISO2	TQ042VANEBC	M	150	59	-	77	32	24	27	4	10
M42 × 4.5	ISO2	TQ042VANEBC	V	150	59	-	77	32	24	27	4	10
M42 × 2	ISO2	TM042QANEBC	2.5P	170	29	-	87	32	24	27	4	11

① Spiral Fluted Taps (for blind hole)

② Spiral Fluted Taps (for through hole)

③ Spiral Pointed Taps (for through hole)

④ Hand Taps

⑤ Cemented Carbide Taps

⑥ Roll Taps

⑦ Special Thread Taps (Simple inspection tools)

⑧ Pipe Taps

⑨ Thread Mills (Premium Thread Mills)

⑩ Dies

⑪ Center Drills (Centering Tools)

⑫ Precision Machinery/ Medical Surgical Instruments

DIN

④-45

Think threads with **YAMAWA**

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



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
M42 × 2	ISO2	TR042QANEBC	F	125	39	-	64	32	24	27	4	10
M42 × 2	ISO2	TR042QANEBC	V	125	39	-	64	32	24	27	4	10
M42 × 1.5	ISO2	TM042OANEBC	2.5P	170	29	-	87	32	24	27	4	11
M42 × 1.5	ISO2	TR042OANEBC	F	110	24	-	56	32	24	27	4	10
M42 × 1.5	ISO2	TR042OANEBC	V	110	24	-	56	32	24	27	4	10
M45 × 4.5	ISO2	TG045VANEBC	2.5P	220	59	-	112	36	29	32	4	9
M45 × 4.5	ISO2	TQ045VANEBC	F	160	59	-	82	36	29	32	4	10
M45 × 4.5	ISO2	TQ045VANEBC	M	160	59	-	82	36	29	32	4	10
M45 × 4.5	ISO2	TQ045VANEBC	V	160	59	-	82	36	29	32	4	10
M45 × 3	ISO2	TM045SANEBC	2.5P	200	49	-	102	36	29	32	4	11
M45 × 3	ISO2	TR045SANEBC	F	125	39	-	64	36	29	32	4	10
M45 × 3	ISO2	TR045SANEBC	V	125	39	-	64	36	29	32	4	10
M45 × 2	ISO2	TM045QANEBC	2.5P	180	31	-	92	36	29	32	4	11
M45 × 2	ISO2	TR045QANEBC	F	125	39	-	64	36	29	32	4	10
M45 × 2	ISO2	TR045QANEBC	V	125	39	-	64	36	29	32	4	10
M45 × 1.5	ISO2	TM045OANEBC	2.5P	180	31	-	92	36	29	32	4	11
M45 × 1.5	ISO2	TR045OANEBC	F	110	24	-	56	36	29	32	4	10
M45 × 1.5	ISO2	TR045OANEBC	V	110	24	-	56	36	29	32	4	10
M48 × 5	ISO2	TG048WANEBC	2.5P	250	65	-	128	36	29	32	4	9
M48 × 5	ISO2	TQ048WANEBC	F	180	65	-	92	36	29	32	4	10
M48 × 5	ISO2	TQ048WANEBC	M	180	65	-	92	36	29	32	4	10
M48 × 5	ISO2	TQ048WANEBC	V	180	65	-	92	36	29	32	4	10
M48 × 3	ISO2	TM048SANEBC	2.5P	225	49	-	115	36	29	32	4	11
M48 × 3	ISO2	TR048SANEBC	F	140	39	-	71	36	29	32	4	10
M48 × 3	ISO2	TR048SANEBC	V	140	39	-	71	36	29	32	4	10
M48 × 2	ISO2	TM048QANEBC	2.5P	190	31	-	97	36	29	32	4	11
M48 × 2	ISO2	TR048QANEBC	F	140	39	-	71	36	29	32	4	10
M48 × 2	ISO2	TR048QANEBC	V	140	39	-	71	36	29	32	4	10
M48 × 1.5	ISO2	TM048OANEBC	2.5P	190	31	-	97	36	29	32	4	11
M48 × 1.5	ISO2	TR048OANEBC	F	140	39	-	71	36	29	32	4	10
M48 × 1.5	ISO2	TR048OANEBC	V	140	39	-	71	36	29	32	4	10
For Unified Threads												
No.4-40UNC	2B	TDUN4HXNEBC	2.5P	56	9	18	34	3.5	2.7	6	3	3
No.4-48UNF	2B	TDUN4FXNEBC	2.5P	56	9	18	34	3.5	2.7	6	3	3
No.5-40UNC	2B	TDUN5HXNEBC	2.5P	56	11	18	34	3.5	2.7	6	3	3
No.5-44UNF	2B	TDUN5GXNEBC	2.5P	56	11	18	34	3.5	2.7	6	3	3
No.6-32UNC	2B	TDUN6JXNEBC	2.5P	56	11	19	32	4	3	6	3	3
No.6-40UNF	2B	TDUN6HXNEBC	2.5P	56	11	19	32	4	3	6	3	3
No.8-32UNC	2B	TDUN8JXNEBC	2.5P	63	13	21	38	4.5	3.4	6	3	3
No.8-36UNF	2B	TDUN8IXNEBC	2.5P	63	13	21	38	4.5	3.4	6	3	3
No.10-24UNC	2B	TDUNAMXNEBC	2.5P	70	14	24	39	6	4.9	8	3	3
No.10-32UNF	2B	TDUNAJXNEBC	2.5P	70	14	24	39	6	4.9	8	3	3
No.12-24UNC	2B	TDUNCMXNEBC	2.5P	80	15	28	45	6	4.9	8	3	3
No.12-28UNF	2B	TDUNCKXNEBC	2.5P	80	15	28	45	6	4.9	8	3	3
1/4-20UNC	2B	TDU04NXNEBC	2.5P	80	15	30	42	7	5.5	8	3	3
1/4-28UNF	2B	TDU04KXNEBC	2.5P	80	15	30	42	7	5.5	8	3	3
5/16-18UNC	2B	TDU05OXNEBC	2.5P	90	19	35	47	8	6.2	9	4	8
5/16-24UNF	2B	TMU05MXNEBC	2.5P	90	19	-	46	6	4.9	8	4	11
3/8-16UNC	2B	TDU06PXNEBC	2.5P	100	23	39	54.5	9	7	10	4	8

- ④
- DIN
- 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

DIN

## 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
3/8-24UNF	2B	TMU06MXNEBC	2.5P	100	23	-	51	7	5.5	8	4	11
7/16-14UNC	2B	TGU07QXNEBC	2.5P	100	23	-	51	8	6.2	9	4	9
7/16-20UNF	2B	TMU07NXNEBC	2.5P	100	23	-	51	8	6.2	9	4	11
1/2-13UNC	2B	TGU08RXNEBC	2.5P	110	26	-	56	9	7	10	4	9
1/2-20UNF	2B	TMU08NXNEBC	2.5P	100	21	-	51	9	7	10	4	11
9/16-12UNC	2B	TGU09SXNEBC	2.5P	110	26	-	56	11	9	12	4	9
9/16-18UNF	2B	TMU09OXNEBC	2.5P	100	21	-	51	11	9	12	4	11
5/8-11UNC	2B	TGU10UXNEBC	2.5P	110	26	-	56	12	9	12	4	9
5/8-18UNF	2B	TMU10OXNEBC	2.5P	100	21	-	51	12	9	12	4	11
3/4-10UNC	2B	TGU12VXNEBC	2.5P	125	33	-	64	14	11	14	4	9
3/4-16UNF	2B	TMU12PXNEBC	2.5P	110	24	-	56	14	11	14	4	11
7/8-9UNC	2B	TGU14WXNEBC	2.5P	140	33	-	71	18	14.5	17	4	9
7/8-14UNF	2B	TMU14QXNEBC	2.5P	125	24	-	64	18	14.5	17	4	11
1 -8UNC	2B	TGU16XXNEBC	2.5P	160	37	-	82	18	14.5	17	4	9
1 -12UNF	2B	TMU16SXNEBC	2.5P	140	27	-	71	18	14.5	17	4	11
1 1/8-7UNC	2B	TGU18YXNEBC	2.5P	180	44	-	92	22	18	21	4	9
1 1/8-12UNF	2B	TMU18SXNEBC	2.5P	150	27	-	77	22	18	21	4	11
1 1/4-7UNC	2B	TGU20YXNEBC	2.5P	180	49	-	92	22	18	21	4	9
1 1/4-12UNF	2B	TMU20SXNEBC	2.5P	150	27	-	77	22	18	21	4	11
1 3/8-6UNC	2B	TGU22ZXNEBC	2.5P	200	55	-	102	28	22	25	4	9
1 3/8-12UNF	2B	TMU22SXNEBC	2.5P	170	29	-	87	28	22	25	4	11
1 1/2-6UNC	2B	TGU24ZXNEBC	2.5P	200	59	-	102	32	24	27	4	9
1 1/2-12UNF	2B	TMU24SXNEBC	2.5P	170	29	-	87	32	24	27	4	11
1 3/4-5UNC	2B	TGU280XNEBC	2.5P	220	65	-	112	36	29	32	4	9
1 3/4-12UN	2B	TMU28SXNEBC	2.5P	180	31	-	92	36	29	32	4	11
For Whitworth Threads												
3/32W48	-	TPW1HF0NEB2	F	36	10	-	21	2.8	2.1	5	3	2
3/32W48	-	TPW1HF0NEBU	M	36	10	-	21	2.8	2.1	5	3	2
3/32W48	-	TPW1HF0NEB5	V	36	10	-	21	2.8	2.1	5	3	2
1/8W40	-	TPW02H0NEB2	F	40	11	-	25	3.5	2.7	6	3	2
1/8W40	-	TPW02H0NEBU	M	40	11	-	25	3.5	2.7	6	3	2
1/8W40	-	TPW02H0NEB5	V	40	11	-	25	3.5	2.7	6	3	2
5/32W32	-	TPW2HJ0NEB2	F	45	13	-	27	4.5	3.4	6	3	2
5/32W32	-	TPW2HJ0NEBU	M	45	13	-	27	4.5	3.4	6	3	2
5/32W32	-	TPW2HJ0NEB5	V	45	13	-	27	4.5	3.4	6	3	2
3/16W24	-	TPW03M0NEB2	F	50	17	-	26	5.5	4.3	7	3	2
3/16W24	-	TPW03M0NEBU	M	50	17	-	26	5.5	4.3	7	3	2
3/16W24	-	TPW03M0NEB5	V	50	17	-	26	5.5	4.3	7	3	2
1/4W20	-	TPW04N0NEB2	F	56	21	-	-	6	4.9	8	3	6
1/4W20	-	TPW04N0NEBU	M	56	21	-	-	6	4.9	8	3	6
1/4W20	-	TPW04N0NEB5	V	56	21	-	-	6	4.9	8	3	6
5/16W18	-	TPW05O0NEB2	F	63	19	-	32	6	4.9	8	4	10
5/16W18	-	TPW05O0NEBU	M	63	19	-	32	6	4.9	8	4	10
5/16W18	-	TPW05O0NEB5	V	63	19	-	32	6	4.9	8	4	10
3/8W16	-	TPW06P0NEB2	F	70	23	-	36	7	5.5	8	4	10
3/8W16	-	TPW06P0NEBU	M	70	23	-	36	7	5.5	8	4	10
3/8W16	-	TPW06P0NEB5	V	70	23	-	36	7	5.5	8	4	10
7/16W14	-	TPW07Q0NEB2	F	70	23	-	36	8	6.2	9	4	10
7/16W14	-	TPW07Q0NEBU	M	70	23	-	36	8	6.2	9	4	10

① Spiral Fluted Taps (for blind hole)

② Spiral Fluted Taps (for through hole)

③ Spiral Pointed Taps (for through hole)

④ Hand Taps

⑤ Cemented Carbide Taps

⑥ Roll Taps

⑦ Special Thread Taps Simple inspection tools

⑧ Pipe Taps

⑨ Thread Mills Premium Thread Mills

⑩ Dies

⑪ Center Drills Centering Tools

⑫ Precision Machinery/Medical Surgical Instruments

DIN

④-47

Think threads with **YAMAWA**

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

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

DIN

## 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
7/16W14	-	TPW07Q0NEB5	V	70	23	-	36	8	6.2	9	4	10
1/2W12	-	TPW08S0NEB2	F	80	26	-	41	9	7	10	4	10
1/2W12	-	TPW08S0NEBU	M	80	26	-	41	9	7	10	4	10
1/2W12	-	TPW08S0NEB5	V	80	26	-	41	9	7	10	4	10
9/16W12	-	TPW09S0NEB2	F	80	26	-	41	11	9	12	4	10
9/16W12	-	TPW09S0NEBU	M	80	26	-	41	11	9	12	4	10
9/16W12	-	TPW09S0NEB5	V	80	26	-	41	11	9	12	4	10
5/8W11	-	TPW10U0NEB2	F	90	26	-	46	12	9	12	4	10
5/8W11	-	TPW10U0NEBU	M	90	26	-	46	12	9	12	4	10
5/8W11	-	TPW10U0NEB5	V	90	26	-	46	12	9	12	4	10
3/4W10	-	TPW12V0NEB2	F	95	33	-	48	14	11	14	4	10
3/4W10	-	TPW12V0NEBU	M	95	33	-	48	14	11	14	4	10
3/4W10	-	TPW12V0NEB5	V	95	33	-	48	14	11	14	4	10
7/8W9	-	TPW14W0NEB2	F	100	33	-	51	18	14.5	17	4	10
7/8W9	-	TPW14W0NEBU	M	100	33	-	51	18	14.5	17	4	10
7/8W9	-	TPW14W0NEB5	V	100	33	-	51	18	14.5	17	4	10
1 W8	-	TPW16X0NEB2	F	110	39	-	56	20	16	19	4	10
1 W8	-	TPW16X0NEBU	M	110	39	-	56	20	16	19	4	10
1 W8	-	TPW16X0NEB5	V	110	39	-	56	20	16	19	4	10
1 1/8W7	-	TPW18Y0NEB2	F	125	46	-	64	22	18	21	4	10
1 1/8W7	-	TPW18Y0NEBU	M	125	46	-	64	22	18	21	4	10
1 1/8W7	-	TPW18Y0NEB5	V	125	46	-	64	22	18	21	4	10
1 1/4W7	-	TPW20Y0NEB2	F	125	46	-	64	22	18	21	4	10
1 1/4W7	-	TPW20Y0NEBU	M	125	46	-	64	22	18	21	4	10
1 1/4W7	-	TPW20Y0NEB5	V	125	46	-	64	22	18	21	4	10
1 3/8W6	-	TPW22Z0NEB2	F	150	52	-	77	28	22	25	4	10
1 3/8W6	-	TPW22Z0NEBU	M	150	52	-	77	28	22	25	4	10
1 3/8W6	-	TPW22Z0NEB5	V	150	52	-	77	28	22	25	4	10
1 1/2W6	-	TPW24Z0NEB2	F	150	55	-	77	32	24	27	4	10
1 1/2W6	-	TPW24Z0NEBU	M	150	55	-	77	32	24	27	4	10
1 1/2W6	-	TPW24Z0NEB5	V	150	55	-	77	32	24	27	4	10
1 5/8W5	-	TPW2600NEB2	F	150	66	-	77	32	24	27	4	10
1 5/8W5	-	TPW2600NEBU	M	150	66	-	77	32	24	27	4	10
1 5/8W5	-	TPW2600NEB5	V	150	66	-	77	32	24	27	4	10
1 3/4W5	-	TPW2800NEB2	F	160	66	-	82	36	29	32	4	10
1 3/4W5	-	TPW2800NEBU	M	160	66	-	82	36	29	32	4	10
1 3/4W5	-	TPW2800NEB5	V	160	66	-	82	36	29	32	4	10
For Pg Threads												
Pg 7-20	-	TYPG070NEBU	3.5P	70	21	-	36	9	7	10	4	12
Pg 9-18	-	TYPG090NEBU	3.5P	70	21	-	36	12	9	12	4	12
Pg 11-18	-	TYPG110NEBU	3.5P	80	21	-	41	14	11	14	4	12
Pg 13.5-18	-	TYPG130NEBU	3.5P	80	21	-	41	16	12	15	4	12
Pg 16-18	-	TYPG160NEBU	3.5P	80	21	-	41	18	14.5	17	4	12
Pg 21-16	-	TYPG210NEBU	3.5P	90	21	-	46	22	18	21	4	12
Pg 29-16	-	TYPG290NEBU	3.5P	100	24	-	51	28	22	25	4	12
Pg 36-16	-	TYPG360NEBU	3.5P	140	39	-	71	36	29	32	4	12
For PF Threads												
G 1/16-28	-	TVG0010NEBC	2.5P	90	19	-	46	6	4.9	8	3	11
G 1/16-28	-	T9G0010NEB2	F	56	19	-	29	6	4.9	8	4	12
G 1/16-28	-	T9G0010NEB5	V	56	19	-	29	6	4.9	8	4	12

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

**DIN**

## 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
G 1/8-28	-	TVG0020NEBC	2.5P	90	19	-	46	7	5.5	8	3	11
G 1/8-28	-	T9G0020NEB2	F	63	19	-	32	7	5.5	8	4	12
G 1/8-28	-	T9G0020NEB5	V	63	19	-	32	7	5.5	8	4	12
G 1/8-28	-	6412G02S	SET	63	19	-	32	7	5.5	8	4	12
G 1/4-19	-	TVG0040NEBC	2.5P	100	21	-	51	11	9	12	3	11
G 1/4-19	-	T9G0040NEB2	F	70	21	-	36	11	9	12	4	12
G 1/4-19	-	T9G0040NEB5	V	70	21	-	36	11	9	12	4	12
G 1/4-19	-	6412G04S	SET	70	21	-	36	11	9	12	4	12
G 3/8-19	-	TVG0060NEBC	2.5P	100	21	-	51	12	9	12	3	11
G 3/8-19	-	T9G0060NEB2	F	70	21	-	36	12	9	12	4	12
G 3/8-19	-	T9G0060NEB5	V	70	21	-	36	12	9	12	4	12
G 3/8-19	-	6412G06S	SET	70	21	-	36	12	9	12	4	12
G 1/2-14	-	TVG0080NEBC	2.5P	125	24	-	64	16	12	15	3	11
G 1/2-14	-	T9G0080NEB2	F	80	21	-	41	16	12	15	4	12
G 1/2-14	-	T9G0080NEB5	V	80	21	-	41	16	12	15	4	12
G 1/2-14	-	6412G08S	SET	80	21	-	41	16	12	15	4	12
G 5/8-14	-	TVG0100NEBC	2.5P	125	24	-	64	18	14.5	17	4	11
G 5/8-14	-	T9G0100NEB2	F	80	21	-	41	18	14.5	17	4	12
G 5/8-14	-	T9G0100NEB5	V	80	21	-	41	18	14.5	17	4	12
G 3/4-14	-	TVG0120NEBC	2.5P	140	27	-	71	20	16	19	4	11
G 3/4-14	-	T9G0120NEB2	F	90	21	-	46	20	16	19	4	12
G 3/4-14	-	T9G0120NEB5	V	90	21	-	46	20	16	19	4	12
G 3/4-14	-	6412G12S	SET	90	21	-	46	20	16	19	4	12
G 7/8-14	-	TVG0140NEBC	2.5P	150	27	-	77	22	18	21	4	11
G 7/8-14	-	T9G0140NEB2	F	90	21	-	46	22	18	21	4	12
G 7/8-14	-	T9G0140NEB5	V	90	21	-	46	22	18	21	4	12
G 1 -11	-	TVG0160NEBC	2.5P	160	29	-	82	25	20	23	4	11
G 1 -11	-	T9G0160NEB2	F	100	24	-	51	25	20	23	4	12
G 1 -11	-	T9G0160NEB5	V	100	24	-	51	25	20	23	4	12
G 1 -11	-	6412G16S	SET	100	24	-	51	25	20	23	4	12
G 1 1/8-11	-	TVG0180NEBC	2.5P	170	29	-	87	28	22	25	4	11
G 1 1/8-11	-	T9G0180NEB2	F	125	39	-	64	28	22	25	4	12
G 1 1/8-11	-	T9G0180NEB5	V	125	39	-	64	28	22	25	4	12
G 1 1/4-11	-	TVG0200NEBC	2.5P	170	29	-	87	32	24	27	4	11
G 1 1/4-11	-	T9G0200NEB2	F	125	39	-	64	32	24	27	4	12
G 1 1/4-11	-	T9G0200NEB5	V	125	39	-	64	32	24	27	4	12
G 1 1/2-11	-	TVG0240NEBC	2.5P	190	31	-	97	36	29	32	6	11
G 1 1/2-11	-	T9G0240NEB2	F	140	39	-	71	36	29	32	6	12
G 1 1/2-11	-	T9G0240NEB5	V	140	39	-	71	36	29	32	6	12

- ① Spiral Fluted Taps (for blind hole)
- ② Spiral Fluted Taps (for through hole)
- ③ Spiral Pointed Taps (for through hole)
- ④ Hand Taps
- ⑤ Cemented Carbide Taps
- ⑥ Roll Taps
- ⑦ Special Thread Taps (Simple inspection tools)
- ⑧ Pipe Taps
- ⑨ Thread Mills (Premium Thread Mills)
- ⑩ Dies
- ⑪ Center Drills (Centering Tools)
- ⑫ Precision Machinery/ Medical Surgical Instruments

**DIN**

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