

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	Ds	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
Premium Thread Mills

⑩

Dies

⑪

Center Drills
Centering Tools

⑫

Precision Machinery/
Medical Surgical Instruments

JIS

PM-HT

Hand Taps for Hard-to-Machine Materials



Specification

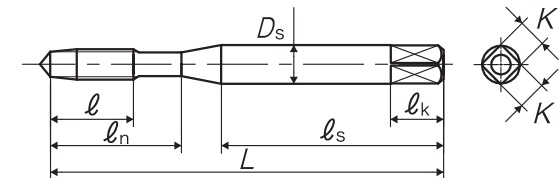


■EH-HT is the hand tap suitable for hard steels of 25-45HRC, such as forgings and thermal refined steels of high carbon steels and alloy steels, and die steels.

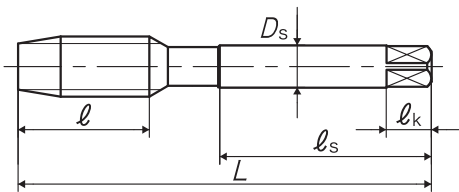
Tapping Speeds depending on Materials

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

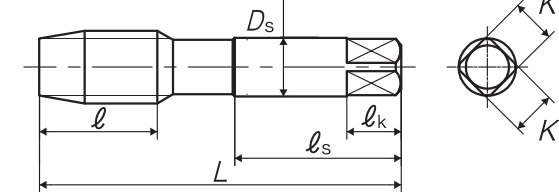
TYPE: 1



TYPE: 2



TYPE: 3



Segment : 1B

Size	Class	Code	Chamfer	L (mm)	ℓ (mm)	ℓ_n (mm)	ℓ_s (mm)	Ds (mm)	K (mm)	ℓ_k (mm)	No. of flutes	TYPE	MSRP
For Metric Threads													
M3 × 0.5	P3	TY3.0GRDPB5	5P	46	9	14	26	4	3.2	6	3	1	¥ 1,940 ※
M3 × 0.5	P3	TY3.0GRDPBC	2.5P	46	9	14	26	4	3.2	6	3	1	¥ 1,940 ※
M4 × 0.7	P3	TY4.0IRDPB5	5P	52	11	17	29	5	4	7	3	1	¥ 1,940 ※
M4 × 0.7	P3	TY4.0IRDPCB	2.5P	52	11	17	29	5	4	7	3	1	¥ 1,940 ※
M5 × 0.8	P3	TY5.0KRDPB5	5P	60	13	22	33	5.5	4.5	7	3	1	¥ 1,960 ※
M5 × 0.8	P3	TY5.0KRDPBC	2.5P	60	13	22	33	5.5	4.5	7	3	1	¥ 1,960 ※
M6 × 1	P3	TY6.0MRDPB5	5P	62	15	26	33	6	4.5	7	3	1	¥ 2,140 ※
M6 × 1	P3	TY6.0MRDPBC	2.5P	62	15	26	33	6	4.5	7	3	1	¥ 2,140 ※
M8 × 1.25	P4	TY8.0NSDPB5	5P	70	19	-	36	6.2	5	8	4	2	¥ 2,930 ※
M8 × 1.25	P4	TY8.0NSDPBC	2.5P	70	19	-	36	6.2	5	8	4	2	¥ 2,930 ※
M10 × 1.5	P4	TY10.0OSDPB5	5P	75	23	-	38	7	5.5	8	4	2	¥ 3,740 ※
M10 × 1.5	P4	TY10.0OSDPBC	2.5P	75	23	-	38	7	5.5	8	4	2	¥ 3,740 ※
M10 × 1.25	P4	TY10.1NSDPB5	5P	75	23	-	38	7	5.5	8	4	2	¥ 3,740 ※
M10 × 1.25	P4	TY10.1NSDPBC	2.5P	75	23	-	38	7	5.5	8	4	2	¥ 3,740 ※
M12 × 1.75	P4	TY12.2PSDPB5	5P	82	26	-	42	8.5	6.5	9	4	2	¥ 5,300 ※
M12 × 1.75	P4	TY12.2PSDPBC	2.5P	82	26	-	42	8.5	6.5	9	4	2	¥ 5,300 ※
M12 × 1.5	P4	TY12.2OSDPB5	5P	82	26	-	42	8.5	6.5	9	4	2	¥ 5,300 ※
M12 × 1.5	P4	TY12.2OSDPBC	2.5P	82	26	-	42	8.5	6.5	9	4	2	¥ 5,300 ※

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

4

JIS

Size	Class	Code	Chamfer	L (mm)	ℓ (mm)	ℓn (mm)	ℓs (mm)	Ds (mm)	K (mm)	ℓk (mm)	No. of flutes	TYPE	MSRP
M12 × 1.25	P4	TY012NSDPB5	5P	82	26	-	42	8.5	6.5	9	4	2	¥ 5,300 [※]
M12 × 1.25	P4	TY012NSDPBC	2.5P	82	26	-	42	8.5	6.5	9	4	2	¥ 5,300 [※]
M14 × 2	P5	TY014QTDPB5	5P	88	26	-	45	10.5	8	11	4	2	¥ 7,220 [※]
M14 × 2	P5	TY014QTDPBC	2.5P	88	26	-	45	10.5	8	11	4	2	¥ 7,220 [※]
M14 × 1.5	P4	TY014OSDPB5	5P	88	26	-	45	10.5	8	11	4	2	¥ 7,220 [※]
M14 × 1.5	P4	TY014OSDPBC	2.5P	88	26	-	45	10.5	8	11	4	2	¥ 7,220 [※]
M16 × 2	P5	TY016QTDPB5	5P	95	26	-	48	12.5	10	13	4	2	¥ 9,650 [※]
M16 × 2	P5	TY016QTDPBC	2.5P	95	26	-	48	12.5	10	13	4	2	¥ 9,650 [※]
M16 × 1.5	P4	TY016OSDPB5	5P	95	26	-	48	12.5	10	13	4	2	¥ 9,650 [※]
M16 × 1.5	P4	TY016OSDPBC	2.5P	95	26	-	48	12.5	10	13	4	2	¥ 9,650 [※]
M18 × 2.5	P5	TY018RTDPB5	5P	100	33	-	51	14	11	14	4	2	¥ 13,000 [※]
M18 × 2.5	P5	TY018RTDPBC	2.5P	100	33	-	51	14	11	14	4	2	¥ 13,000 [※]
M18 × 1.5	P4	TY018OSDPB5	5P	100	33	-	51	14	11	14	4	2	¥ 13,000 [※]
M18 × 1.5	P4	TY018OSDPBC	2.5P	100	33	-	51	14	11	14	4	2	¥ 13,000 [※]
M20 × 2.5	P5	TY020RTDPB5	5P	105	33	-	50	15	12	15	4	3	¥ 17,600 [※]
M20 × 2.5	P5	TY020RTDPBC	2.5P	105	33	-	50	15	12	15	4	3	¥ 17,600 [※]
M20 × 1.5	P4	TY020OSDPB5	5P	105	33	-	50	15	12	15	4	3	¥ 17,600 [※]
M20 × 1.5	P4	TY020OSDPBC	2.5P	105	33	-	50	15	12	15	4	3	¥ 17,600 [※]
M22 × 2.5	P5	TY022RTDPB5	5P	115	33	-	55	17	13	16	4	3	¥ 22,600 [※]
M22 × 2.5	P5	TY022RTDPBC	2.5P	115	33	-	55	17	13	16	4	3	¥ 22,600 [※]
M22 × 1.5	P4	TY022OSDPB5	5P	115	33	-	55	17	13	16	4	3	¥ 22,600 [※]
M22 × 1.5	P4	TY022OSDPBC	2.5P	115	33	-	55	17	13	16	4	3	¥ 22,600 [※]
M24 × 3	P5	TY024STDPB5	5P	120	39	-	55	19	15	18	4	3	¥ 28,100 [※]
M24 × 3	P5	TY024STDPBC	2.5P	120	39	-	55	19	15	18	4	3	¥ 28,100 [※]
M24 × 1.5	P4	TY024OSDPB5	5P	120	39	-	55	19	15	18	4	3	¥ 28,100 [※]
M24 × 1.5	P4	TY024OSDPBC	2.5P	120	39	-	55	19	15	18	4	3	¥ 28,100 [※]
M27 × 3	P5	TY027STDPB5	5P	130	39	-	60	20	15	18	4	3	¥ 39,000 [※]
M27 × 3	P5	TY027STDPBC	2.5P	130	39	-	60	20	15	18	4	3	¥ 39,000 [※]
M27 × 1.5	P4	TY027OSDPB5	5P	130	39	-	60	20	15	18	4	3	¥ 39,000 [※]
M27 × 1.5	P4	TY027OSDPBC	2.5P	130	39	-	60	20	15	18	4	3	¥ 39,000 [※]
M30 × 3.5	P5	TY030TTDPB5	5P	135	46	-	62	23	17	20	4	3	¥ 49,600 [※]
M30 × 3.5	P5	TY030TTDPBC	2.5P	135	46	-	62	23	17	20	4	3	¥ 49,600 [※]
M30 × 1.5	P4	TY030OSDPB5	5P	135	46	-	62	23	17	20	4	3	¥ 49,600 [※]
M30 × 1.5	P4	TY030OSDPBC	2.5P	135	46	-	62	23	17	20	4	3	¥ 49,600 [※]

Spiral Fluted Taps
(for blind hole)

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(for through hole)

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Spiral Pointed Taps
(for through hole)

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Hand Taps

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Special Thread Taps
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Pipe Taps

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Thread Mills
Premium Thread Mills

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Dies

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Centering Tools

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Precision Machinery/
Medical Surgical Instruments

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④-134

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