

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

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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

③-114

MC-PO

Spiral Pointed Taps with Coolant Through Hole



Specification



■ Adopting coolant through hole (radial through type) realizing sufficient coolant supply to the cutting area, MC-PO spiral pointed tap ensures a long tool life and internal threads with good surface finish.

Tapping Speeds depending on Materials

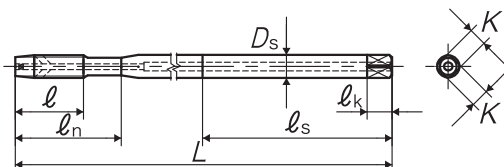
Low carbon steels
低碳素鋼
5~10
(m/min)

Medium carbon steels
中炭素鋼
5~10
(m/min)

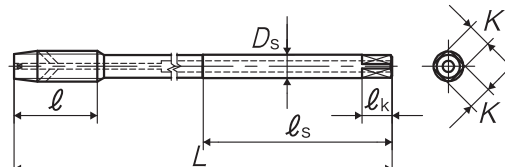
High carbon steels
高炭素鋼
5~10
(m/min)

Alloy steels
合金鋼
5~10
(m/min)

TYPE:1



TYPE:2



Segment : 1E

Size	Class	Code	Chamfer	L (mm)	ℓ (mm)	ℓ _n (mm)	ℓ _s (mm)	D _s (mm)	K (mm)	ℓ _k (mm)	No. of flutes	TYPE	MSRP
For Metric Threads													
M6 × 1	P2	MPHQ6.0ML10	5P	100	19	30	40	6	4.5	7	3	1	¥ 3,390 ▲
M6 × 1	P2	MPHQ6.0ML15	5P	150	19	30	40	6	4.5	7	3	1	¥ 5,790 ▲
M8 × 1.25	P3	MPHR8.0NL10	5P	100	22	-	50	6.2	5	8	3	2	¥ 4,390 ▲
M8 × 1.25	P3	MPHR8.0NL15	5P	150	22	-	50	6.2	5	8	3	2	¥ 7,230 ▲
M10 × 1.5	P3	MPHR010OL10	5P	100	24	-	50	7	5.5	8	3	2	¥ 5,340 ▲
M10 × 1.5	P3	MPHR010OL15	5P	150	24	-	50	7	5.5	8	3	2	¥ 8,440 ▲
M10 × 1.25	P3	MPHR010NL10	5P	100	24	-	50	7	5.5	8	3	2	¥ 5,340 ▲
M10 × 1.25	P3	MPHR010NL15	5P	150	24	-	50	7	5.5	8	3	2	¥ 8,440 ▲
M12 × 1.75	P4	MPHS012PL10	5P	100	29	-	50	8.5	6.5	9	3	2	¥ 6,550 ▲
M12 × 1.75	P4	MPHS012PL15	5P	150	29	-	50	8.5	6.5	9	3	2	¥ 10,600 ▲
M12 × 1.75	P4	MPHS012PL20	5P	200	29	-	50	8.5	6.5	9	3	2	¥ 14,200 ▲
M12 × 1.5	P3	MPHR012OL10	5P	100	29	-	50	8.5	6.5	9	3	2	¥ 6,550 ▲
M12 × 1.5	P3	MPHR012OL15	5P	150	29	-	50	8.5	6.5	9	3	2	¥ 10,600 ▲
M12 × 1.5	P3	MPHR012OL20	5P	200	29	-	50	8.5	6.5	9	3	2	¥ 14,200 ▲
M12 × 1.25	P4	MPHS012NL10	5P	100	24	-	50	8.5	6.5	9	3	2	¥ 6,550 ▲
M12 × 1.25	P4	MPHS012NL15	5P	150	24	-	50	8.5	6.5	9	3	2	¥ 10,600 ▲
M12 × 1.25	P4	MPHS012NL20	5P	200	24	-	50	8.5	6.5	9	3	2	¥ 14,200 ▲
M14 × 2	P4	MPHS014QL15	5P	150	30	-	60	10.5	8	11	3	2	¥ 13,500 ▲
M14 × 2	P4	MPHS014QL20	5P	200	30	-	60	10.5	8	11	3	2	¥ 17,300 ▲
M14 × 1.5	P3	MPHR014OL15	5P	150	30	-	60	10.5	8	11	3	2	¥ 13,500 ▲
M14 × 1.5	P3	MPHR014OL20	5P	200	30	-	60	10.5	8	11	3	2	¥ 17,300 ▲
M16 × 2	P4	MPHS016QL15	5P	150	32	-	60	12.5	10	13	3	2	¥ 14,600 ▲
M16 × 2	P4	MPHS016QL20	5P	200	32	-	60	12.5	10	13	3	2	¥ 18,000 ▲
M16 × 1.5	P3	MPHR016OL15	5P	150	32	-	60	12.5	10	13	3	2	¥ 14,600 ▲

Remarks: Products marked with ▲ in the MSRP column are subject to availability.

※ = Specified Distribution Items. Made to order products.

Think threads with
YAMAWA

③ Spiral Pointed Tap Series for through hole

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

MC-PO Spiral Pointed Taps with Coolant Through Hole

Size	Class	Code	Chamfer	L (mm)	ℓ (mm)	ℓn (mm)	ℓs (mm)	Ds (mm)	K (mm)	ℓk (mm)	No. of flutes	TYPE	MSRP
M16 × 1.5	P3	MPHR016OL20	5P	200	32	-	60	12.5	10	13	3	2	¥ 18,000 ※▲
M18 × 2.5	P4	MPHS018RL15	5P	150	37	-	70	14	11	14	3	2	¥ 16,800 ※▲
M18 × 2.5	P4	MPHS018RL20	5P	200	37	-	70	14	11	14	3	2	¥ 21,900 ※▲
M18 × 1.5	P4	MPHS018OL15	5P	150	29	-	70	14	11	14	3	2	¥ 16,800 ※▲
M18 × 1.5	P4	MPHS018OL20	5P	200	29	-	70	14	11	14	3	2	¥ 21,900 ※▲
M20 × 2.5	P4	MPHS020RL15	5P	150	37	-	70	15	12	15	3	2	¥ 21,400 ※▲
M20 × 2.5	P4	MPHS020RL20	5P	200	37	-	70	15	12	15	3	2	¥ 28,100 ※▲
M20 × 1.5	P4	MPHS020OL15	5P	150	29	-	70	15	12	15	3	2	¥ 21,400 ※▲
M20 × 1.5	P4	MPHS020OL20	5P	200	29	-	70	15	12	15	3	2	¥ 28,100 ※▲
M22 × 2.5	P4	MPHS022RL15	5P	150	38	-	70	17	13	16	3	2	¥ 24,000 ※▲
M22 × 2.5	P4	MPHS022RL20	5P	200	38	-	70	17	13	16	3	2	¥ 31,200 ※▲
M22 × 1.5	P4	MPHS022OL15	5P	150	33	-	70	17	13	16	3	2	¥ 24,000 ※▲
M22 × 1.5	P4	MPHS022OL20	5P	200	33	-	70	17	13	16	3	2	¥ 31,200 ※▲
M24 × 3	P4	MPHS024SL15	5P	150	45	-	80	19	15	18	3	2	¥ 28,100 ※▲
M24 × 3	P4	MPHS024SL20	5P	200	45	-	80	19	15	18	3	2	¥ 35,100 ※▲
M24 × 1.5	P4	MPHS024OL15	5P	150	35	-	80	19	15	18	3	2	¥ 28,100 ※▲
M24 × 1.5	P4	MPHS024OL20	5P	200	35	-	80	19	15	18	3	2	¥ 35,100 ※▲
M27 × 3	P4	MPHS027SL20	5P	200	45	-	80	20	15	18	4	2	¥ 39,600 ※▲
M27 × 3	P4	MPHS027SL25	5P	250	45	-	80	20	15	18	4	2	¥ 53,300 ※▲
M27 × 1.5	P4	MPHS027OL20	5P	200	37	-	80	20	15	18	4	2	¥ 39,600 ※▲
M27 × 1.5	P4	MPHS027OL25	5P	250	37	-	80	20	15	18	4	2	¥ 53,300 ※▲
M30 × 3.5	P5	MPHT030TL20	5P	200	48	-	80	23	17	20	4	2	¥ 50,900 ※▲
M30 × 3.5	P5	MPHT030TL25	5P	250	48	-	80	23	17	20	4	2	¥ 67,300 ※▲
M30 × 1.5	P4	MPHS030OL20	5P	200	37	-	80	23	17	20	4	2	¥ 50,900 ※▲
M30 × 1.5	P4	MPHS030OL25	5P	250	37	-	80	23	17	20	4	2	¥ 67,300 ※▲

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①

Spiral Fluted Taps
(for blind hole)

②

Spiral Fluted Taps
(for through hole)

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Spiral Pointed Taps
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Hand Taps

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Special Thread Taps
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⑧

Pipe Taps

⑨

Thread Mills
Premium Thread Mills

⑩

Dies

⑪

Center Drills
Centering Tools

⑫

Precision Machinery/
Medical Surgical Instruments

JIS

③-115

Think threads with
YAMAWA

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