

# 1 Spiral Fluted Tap Series for blind hole

Overall length	Thread length	Thread + Neck length	Shank length	Shank dia.	Size of square	Length of square
L	ℓ	ℓ <sub>n</sub>	ℓ <sub>s</sub>	D <sub>s</sub>	K	ℓ <sub>k</sub>

- 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



## MC-SP

### Spiral Fluted Taps with Coolant Through Hole



#### Specification

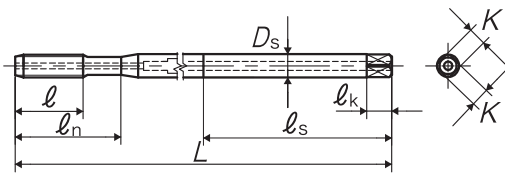


■ Coolant through hole (center through type), satisfactory amount of oil is supplied to the exact cutting area. MC-SP spiral fluted tap ensures a long tool life as well as cuts high precision threads with good surface finish.

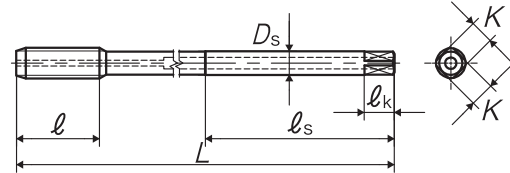
#### Tapping Speeds depending on Materials

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

#### TYPE: 1



#### TYPE: 2



Segment : 1C

Size	Class	Code	Chamfer	L (mm)	ℓ (mm)	ℓ <sub>n</sub> (mm)	ℓ <sub>s</sub> (mm)	D <sub>s</sub> (mm)	K (mm)	ℓ <sub>k</sub> (mm)	No. of flutes	TYPE	MSRP
For Metric Threads													
M6 × 1	P2	MSHQ6.0ML10	2.5P	100	19	28	40	6	4.5	7	3	1	¥ 3,390 ▲*
M6 × 1	P2	MSHQ6.0ML15	2.5P	150	19	28	40	6	4.5	7	3	1	¥ 5,790 ▲*
M8 × 1.25	P2	MSHQ8.0NL10	2.5P	100	22	-	50	6.2	5	8	3	2	¥ 4,390 ▲*
M8 × 1.25	P2	MSHQ8.0NL15	2.5P	150	22	-	50	6.2	5	8	3	2	¥ 7,230 ▲*
M10 × 1.5	P2	MSHQ10.0L10	2.5P	100	24	-	50	7	5.5	8	3	2	¥ 5,340 ▲*
M10 × 1.5	P2	MSHQ10.0L15	2.5P	150	24	-	50	7	5.5	8	3	2	¥ 8,440 ▲*
M10 × 1.25	P2	MSHQ10.0NL10	2.5P	100	24	-	50	7	5.5	8	3	2	¥ 5,340 ▲*
M10 × 1.25	P2	MSHQ10.0NL15	2.5P	150	24	-	50	7	5.5	8	3	2	¥ 8,440 ▲*
M12 × 1.75	P2	MSHQ12.0PL10	2.5P	100	29	-	50	8.5	6.5	9	3	2	¥ 6,550 ▲*
M12 × 1.75	P2	MSHQ12.0PL15	2.5P	150	29	-	50	8.5	6.5	9	3	2	¥ 10,600 ▲*
M12 × 1.75	P2	MSHQ12.0PL20	2.5P	200	29	-	50	8.5	6.5	9	3	2	¥ 14,200 ▲*
M12 × 1.5	P2	MSHQ12.0L10	2.5P	100	29	-	50	8.5	6.5	9	3	2	¥ 6,550 ▲*
M12 × 1.5	P2	MSHQ12.0L15	2.5P	150	29	-	50	8.5	6.5	9	3	2	¥ 10,600 ▲*
M12 × 1.5	P2	MSHQ12.0L20	2.5P	200	29	-	50	8.5	6.5	9	3	2	¥ 14,200 ▲*
M12 × 1.25	P2	MSHQ12.0NL10	2.5P	100	29	-	50	8.5	6.5	9	3	2	¥ 6,550 ▲*
M12 × 1.25	P2	MSHQ12.0NL15	2.5P	150	29	-	50	8.5	6.5	9	3	2	¥ 10,600 ▲*
M12 × 1.25	P2	MSHQ12.0NL20	2.5P	200	29	-	50	8.5	6.5	9	3	2	¥ 14,200 ▲*
M14 × 2	P2	MSHQ14.0QL15	2.5P	150	30	-	60	10.5	8	11	3	2	¥ 13,500 ▲*
M14 × 2	P2	MSHQ14.0QL20	2.5P	200	30	-	60	10.5	8	11	3	2	¥ 17,300 ▲*
M14 × 1.5	P2	MSHQ14.0L15	2.5P	150	30	-	60	10.5	8	11	3	2	¥ 13,500 ▲*
M14 × 1.5	P2	MSHQ14.0L20	2.5P	200	30	-	60	10.5	8	11	3	2	¥ 17,300 ▲*
M16 × 2	P2	MSHQ16.0QL15	2.5P	150	32	-	60	12.5	10	13	3	2	¥ 14,600 ▲*
M16 × 2	P2	MSHQ16.0QL20	2.5P	200	32	-	60	12.5	10	13	3	2	¥ 18,000 ▲*
M16 × 1.5	P2	MSHQ16.0L15	2.5P	150	32	-	60	12.5	10	13	3	2	¥ 14,600 ▲*
M16 × 1.5	P2	MSHQ16.0L20	2.5P	200	32	-	60	12.5	10	13	3	2	¥ 18,000 ▲*

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



\* = 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

Size	Class	Code	Chamfer	L (mm)	ℓ (mm)	ℓn (mm)	ℓs (mm)	Ds (mm)	K (mm)	ℓk (mm)	No. of flutes	TYPE	MSRP
M18 × 2.5	P3	MSHR018RL15	2.5P	150	37	-	70	14	11	14	4	2	¥16,800 **▲
M18 × 2.5	P3	MSHR018RL20	2.5P	200	37	-	70	14	11	14	4	2	¥21,900 **▲
M18 × 1.5	P2	MSHQ018OL15	2.5P	150	37	-	70	14	11	14	4	2	¥16,800 **▲
M18 × 1.5	P2	MSHQ018OL20	2.5P	200	37	-	70	14	11	14	4	2	¥21,900 **▲
M20 × 2.5	P3	MSHR020RL15	2.5P	150	37	-	70	15	12	15	4	2	¥21,400 **▲
M20 × 2.5	P3	MSHR020RL20	2.5P	200	37	-	70	15	12	15	4	2	¥28,100 **▲
M20 × 1.5	P3	MSHR020OL15	2.5P	150	37	-	70	15	12	15	4	2	¥21,400 **▲
M20 × 1.5	P3	MSHR020OL20	2.5P	200	37	-	70	15	12	15	4	2	¥28,100 **▲
M22 × 2.5	P3	MSHR022RL15	2.5P	150	38	-	70	17	13	16	4	2	¥24,000 **▲
M22 × 2.5	P3	MSHR022RL20	2.5P	200	38	-	70	17	13	16	4	2	¥31,200 **▲
M22 × 1.5	P3	MSHR022OL15	2.5P	150	38	-	70	17	13	16	4	2	¥24,000 **▲
M22 × 1.5	P3	MSHR022OL20	2.5P	200	38	-	70	17	13	16	4	2	¥31,200 **▲
M24 × 3	P3	MSHR024SL15	2.5P	150	45	-	80	19	15	18	4	2	¥28,100 **▲
M24 × 3	P3	MSHR024SL20	2.5P	200	45	-	80	19	15	18	4	2	¥35,100 **▲
M24 × 1.5	P3	MSHR024OL15	2.5P	150	45	-	80	19	15	18	4	2	¥28,100 **▲
M24 × 1.5	P3	MSHR024OL20	2.5P	200	45	-	80	19	15	18	4	2	¥35,100 **▲
M27 × 3	P3	MSHR027SL20	2.5P	200	45	-	80	20	15	18	4	2	¥39,600 **▲
M27 × 3	P3	MSHR027SL25	2.5P	250	45	-	80	20	15	18	4	2	¥53,300 **▲
M27 × 1.5	P3	MSHR027OL20	2.5P	200	45	-	80	20	15	18	4	2	¥39,600 **▲
M27 × 1.5	P3	MSHR027OL25	2.5P	250	45	-	80	20	15	18	4	2	¥53,300 **▲
M30 × 3.5	P4	MSHS030TL20	2.5P	200	48	-	80	23	17	20	4	2	¥50,900 **▲
M30 × 3.5	P4	MSHS030TL25	2.5P	250	48	-	80	23	17	20	4	2	¥67,300 **▲
M30 × 1.5	P3	MSHR030OL20	2.5P	200	45	-	80	23	17	20	4	2	¥50,900 **▲
M30 × 1.5	P3	MSHR030OL25	2.5P	250	45	-	80	23	17	20	4	2	¥67,300 **▲

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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

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