

ROLL TAP SERIES



R-Y

N+RZ/N-RZ

LS-N-RZ

N+RS/N-RS

LS-N-RS

R0-1

R0-2

R0-7

R0-8

R0-14

R+V

OL+RZ/OL-RZ

HP+RZ/HP-RZ

SC-TL-RZ

SURZ

R0-16

R0-18

R0-20

R0-23

R0-25

Spiral Fluted Taps (for blind hole)
 Spiral Fluted Taps (for through hole)
 Spiral Fluted Taps (for through hole)
 Spiral Pointed Taps (for through hole)
 Hand Taps
 Cemented Carbide Taps
 Roll Taps
 Special Thread Taps (Simple inspection tools)
 Pipe Taps
 Thread Mills
 Dies
 Center Drills
 Centering Tools

R-Y

Thread Forming Taps for Thin Soft Structural Steel Sheets

Specification

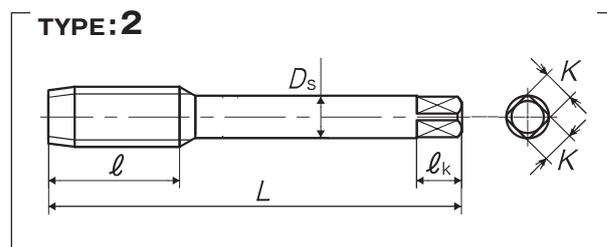
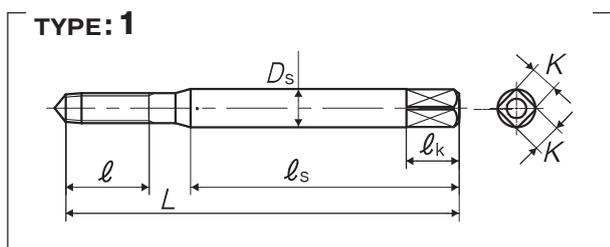
HSS

■ For tapping general fasteners made from such thin steel sheets as SPC and SPH, and from such soft steels as under SS400 and S20C.

Recommended Tapping Speeds depending on Materials

Low carbon steels
 低碳素鋼
 ~5
 (m/min)

For icon explanation, refer to P.24



Segment : 1J

Size	Class	Code	Chamfer	L (mm)	l (mm)	ln (mm)	ls (mm)	Ds (mm)	K (mm)	lk (mm)	Lobe	Type	Stock
For Metric Threads													
M2 × 0.4	6HX	RY2.0E3	3P	42	7	-	31	3	2.5	5	4	1	○
M2.5 × 0.45	6HX	RY2.5F3	3P	44	8	-	33	3	2.5	5	4	1	○
M2.6 × 0.45	6HX	RY2.6F3	3P	44	8	-	33	3	2.5	5	4	1	○
M3 × 0.5	6HX	RY3.0G3	3P	46	9	-	33	4	3.2	6	4	1	○
M4 × 0.7	6HX	RY4.0I3	3P	52	11	-	36	5	4	7	4	1	○
M5 × 0.8	6HX	RY5.0K3	3P	60	12	-	43	5.5	4.5	7	4	1	○
M6 × 1	6HX	RY6.0M3	3P	62	15	-	44	6	4.5	7	4	1	○
M8 × 1.25	6HX	RY8.0N3	3P	70	18	-	-	6.2	5	8	4	2	○

Number of oil grooves : non

※Please use CPR-Y for controlling of bored holes. (For CPR-Y, refer to product page ST-36)

N+RZ/N-RZ

Thread Forming Taps for Steels Specification



Recommended Tapping Speeds depending on Materials

Low carbon steels 低碳素鋼	Medium carbon steels 中炭素鋼
5~15 (m/min)	5~15 (m/min)

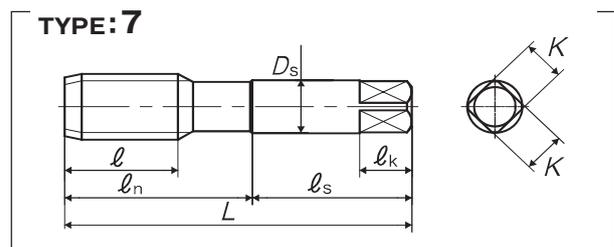
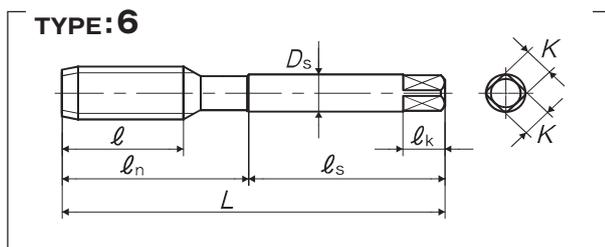
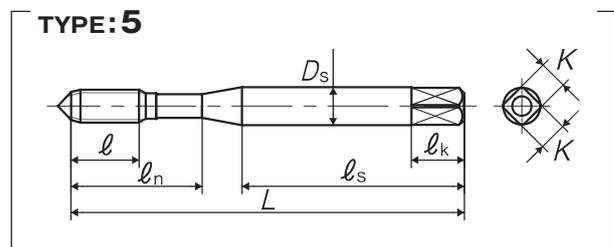
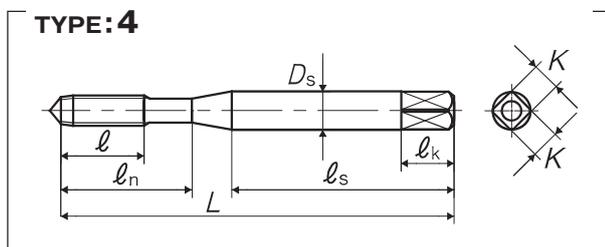
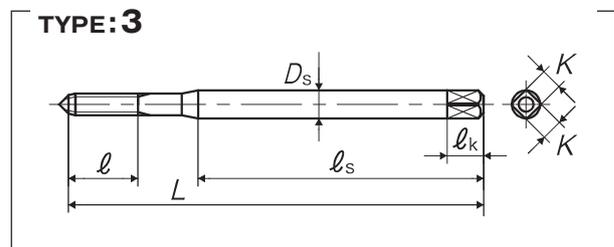
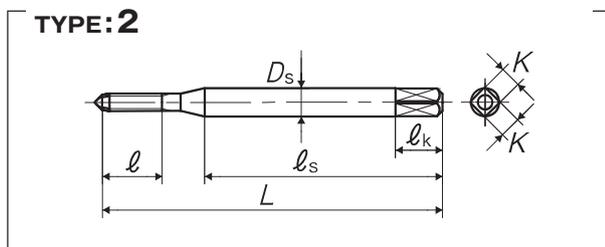
For icon explanation, refer to P.24

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



■N+RZ/N-RZ are the forming taps suitable for ferrous materials such as carbon steels, alloy steels, and normal steels.

N+RZ	~M6 (coarse thread)
N-RZ	M7~



Number of oil grooves : Metric thread : M2.6 and smaller=non, M3~M7=4, M8=3, M10 and larger=4

Spiral Fluted Taps
(for blind hole)

Spiral Fluted Taps
(for through hole)

Spiral Pointed Taps
(for through hole)

Hand Taps

Cemented
Carbide Taps

Roll Taps

Special Thread Taps
Simple Inspection Tools

Pipe Taps

Thread Mills

Dies

Center Drills

Centering Tools

Roll Tap Series

N+RZ/N-RZ Thread Forming Taps for Steels

Recommended class
Segment: 1J

Size	Class	Code	Chamfer	L (mm)	ℓ (mm)	ℓn (mm)	ℓs (mm)	Ds (mm)	K (mm)	ℓk (mm)	Lobe	Type	Stock
For Metric Threads													
M1 × 0.25	G4	NRZP41.0BP	4P	36	4.5	-	24	3	2.5	5	4	1	○
		NRZP41.0BB	2P										△
	G5	NRZP51.0BP	4P										△
		NRZP51.0BB	2P										
M1.2 × 0.25	G4	NRZP41.2BP	4P	36	4.5	-	24	3	2.5	5	4	1	○
		NRZP41.2BB	2P										△
	G5	NRZP51.2BP	4P										△
		NRZP51.2BB	2P										
M1.4 × 0.3	G4	NRZP41.4CP	4P	36	5.4	-	24	3	2.5	5	4	1	◎
		NRZP41.4CB	2P										○
	G5	NRZP51.4CP	4P										○
		NRZP51.4CB	2P										
M1.6 × 0.35	G4	NRZP41.6DP	4P	36	6.3	-	24	3	2.5	5	4	2	○
		NRZP41.6DB	2P										
	G5	NRZP51.6DP	4P										
		NRZP51.6DB	2P										
M1.7 × 0.35	G4	NRZP41.7DP	4P	36	6.3	-	24	3	2.5	5	4	2	◎
		NRZP41.7DB	2P										
	G5	NRZP51.7DP	4P										○
		NRZP51.7DB	2P										
	G6	NRZP61.7DP	4P										○
		NRZP61.7DB	2P										
M1.8 × 0.35	G4	NRZP41.8DP	4P	42	6.3	-	27	3	2.5	5	4	2	△
		NRZP41.8DB	2P										
	G5	NRZP51.8DP	4P										
		NRZP51.8DB	2P										
M2 × 0.4	G4	NRZP42.0EP	4P	42	7.2	-	27	3	2.5	5	4	3	◎
		NRZP42.0EB	2P										
	G5	NRZP52.0EP	4P										○
		NRZP52.0EB	2P										
	G6	NRZP62.0EP	4P										○
		NRZP62.0EB	2P										
M2 × 0.25	G4	NRZM42.0BP	4P	42	4.5	-	27	3	2.5	5	4	3	△
		NRZM42.0BB	2P										
	G5	NRZM52.0BP	4P										
		NRZM52.0BB	2P										
M2.2 × 0.45	G5	NRZP52.2FP	4P	42	8.1	-	27	3	2.5	5	4	3	△
		NRZP52.2FB	2P										
M2.3 × 0.4	G4	NRZP42.3EP	4P	42	7.2	-	27	3	2.5	5	4	3	△
		NRZP42.3EB	2P										
	G5	NRZP52.3EP	4P										△
		NRZP52.3EB	2P										
	G6	NRZP62.3EP	4P										
		NRZP62.3EB	2P										
M2.5 × 0.45	G5	NRZP52.5FP	4P	46	8.1	14	29	3	2.5	5	4	4	○
		NRZP52.5FB	2P										

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

N+RZ/N-RZ Thread Forming Taps for Steels

Size	Class	Code	Chamfer	L (mm)	ℓ (mm)	ℓn (mm)	ℓs (mm)	Ds (mm)	K (mm)	ℓk (mm)	Lobe	Type	Stock
M2.5 × 0.45	G6	NRZP62.5FP	4P	46	8.1	14	29	3	2.5	5	4	4	○
		NRZP62.5FB	2P										
M2.5 × 0.35	G5	NRZM52.5DP	4P	46	6.3	14	29	3	2.5	5	4	5	△
		NRZM52.5DB	2P										
M2.6 × 0.45	G5	NRZP52.6FP	4P	46	8.1	14	29	3	2.5	5	4	4	○
		NRZP52.6FB	2P										
	G6	NRZP62.6FP	4P										
		NRZP62.6FB	2P										
M2.6 × 0.35	G5	NRZM52.6DP	4P	46	6.3	14	29	3	2.5	5	4	5	△
		NRZM52.6DB	2P										
M3 × 0.5	G5	NRZP53.0GP	4P	46	9	14	26	4	3.2	6	4	4	◎
		NRZP53.0GB	2P										
	G6	NRZP63.0GP	4P										
		NRZP63.0GB	2P										
	G7	NRZP73.0GP	4P										
		NRZP73.0GB	2P										
G8	NRZP83.0GP	4P											
	NRZP83.0GB	2P											
M3 × 0.35	G5	NRZM53.0DP	4P	46	6.5	14	26	4	3.2	6	4	5	△
		NRZM53.0DB	2P										
M3.5 × 0.6	G5	NRZP53.5HP	4P	52	11	16	29	5	4	7	4	4	○
		NRZP53.5HB	2P										
	G6	NRZP63.5HP	4P										
		NRZP63.5HB	2P										
	G7	NRZP73.5HP	4P										
		NRZP73.5HB	2P										
M4 × 0.7	G5	NRZP54.0IP	4P	52	11	17	29	5	4	7	4	4	○
		NRZP54.0IB	2P										
	G6	NRZP64.0IP	4P										
		NRZP64.0IB	2P										
	G7	NRZP74.0IP	4P										
		NRZP74.0IB	2P										
	G8	NRZP84.0IP	4P										
		NRZP84.0IB	2P										
M4 × 0.5	G5	NRZM54.0GP	4P	52	9	17	29	5	4	7	4	5	△
		NRZM54.0GB	2P										
	G6	NRZM64.0GP	4P										
		NRZM64.0GB	2P										
	G7	NRZM74.0GB	2P										
M5 × 0.8	G5	NRZP55.0KP	4P	60	13	22	33	5.5	4.5	7	4	4	△
		NRZP55.0KB	2P										
	G6	NRZP65.0KP	4P										
		NRZP65.0KB	2P										
	G7	NRZP75.0KP	4P										
		NRZP75.0KB	2P										
	G8	NRZP85.0KP	4P										
		NRZP85.0KB	2P										
M5 × 0.5	G6	NRZM65.0GP	4P	60	9	22	33	5.5	4.5	7	4	5	△
		NRZM65.0GB	2P										

Spiral Fluted Taps (for blind hole)
 Spiral Fluted Taps (for through hole)
 Spiral Fluted Taps (for through hole)
 Spiral Pointed Taps (for through hole)
 Hand Taps
 Cemented Carbide Taps
 Roll Taps
 Special Thread Taps Simple Inspection Tools
 Pipe Taps
 Thread Mills
 Dies
 Center Drills
 Centering Tools

Roll Tap Series

N+RZ/N-RZ Thread Forming Taps for Steels

Size	Class	Code	Chamfer	L (mm)	ℓ (mm)	ℓn (mm)	ℓs (mm)	Ds (mm)	K (mm)	ℓk (mm)	Lobe	Type	Stock																				
M6 × 1	G5	NRZP56.0MP	4P	62	15	26	33	6	4.5	7	4	4	△																				
		NRZP56.0MB	2P										○																				
	G6	NRZP66.0MP	4P										62	15	26	33	6	4.5	7	4	4	○											
		NRZP66.0MB	2P																														
	G7	NRZP76.0MP	4P																				62	15	26	33	6	4.5	7	4	4	○	
		NRZP76.0MB	2P																														
M6 × 0.75	G6	NRZM66.0JP	4P	62	15	26	33	6	4.5	7	4	4																					△
		NRZM66.0JB	2P																														
	G7	NRZM76.0JP	4P										62	15	26	33	6	4.5	7	4	4	△											
		NRZM76.0JB	2P																														
M6 × 0.5	G6	NRZM66.0GP	4P	62	9	26	33	6	4.5	7	4	5											△										
		NRZM66.0GB	2P																														
M7 × 1	G7	NRZM77.0MP	4P	70	19	-	36	6.2	5	8	4	6	△																				
		NRZM77.0MB	2P																														
M7 × 0.75	G7	NRZM77.0JP	4P	70	19	-	36	6.2	5	8	4	6	△																				
		NRZM77.0JB	2P																														
M8 × 1.25	G7	NRZM78.0NP	4P	70	19	-	36	6.2	5	8	6	6	○																				
		NRZM78.0NB	2P											△																			
	G8	NRZM88.0NP	4P										70		19	-	36	6.2	5	8	6	6	△										
		NRZM88.0NB	2P																														
M8 × 1	G7	NRZM78.0MP	4P	70	19	-	36	6.2	5	8	6	6		△																			
		NRZM78.0MB	2P																														
M8 × 0.75	G7	NRZM78.0JP	4P	70	19	-	36	6.2	5	8	6	6	△																				
		NRZM78.0JB	2P																														
M10 × 1.5	G7	NRZM70100P	4P	75	23	-	38	7	5.5	8	8	6	△																				
		NRZM70100B	2P																														
	G8	NRZM80100P	4P										75	23	-	38	7	5.5	8	8	6	△											
		NRZM80100B	2P																														
M10 × 1.25	G7	NRZM7010NP	4P	75	23	-	38	7	5.5	8	8	6										△											
		NRZM7010NB	2P																														
	G8	NRZM8010NP	4P										75	23	-	38	7	5.5	8	8	6	△											
		NRZM8010NB	2P																														
M10 × 1	G7	NRZM7010MP	4P	75	23	-	38	7	5.5	8	8	6										△											
		NRZM7010MB	2P																														
M12 × 1.75	G8	NRZM8012PP	4P	82	26	-	42	8.5	6.5	9	8	6	△																				
		NRZM8012PB	2P																														
	G9	NRZM9012PP	4P										82	26	-	42	8.5	6.5	9	8	6	△											
		NRZM9012PB	2P																														
M12 × 1.5	G8	NRZM80120P	4P	82	26	-	42	8.5	6.5	9	8	6										△											
		NRZM80120B	2P																														
M12 × 1.25	G8	NRZM8012NP	4P	82	26	-	42	8.5	6.5	9	8	6	△																				
		NRZM8012NB	2P																														
	G9	NRZM9012NP	4P										82	26	-	42	8.5	6.5	9	8	6	△											
		NRZM9012NB	2P																														
M12 × 1	G7	NRZM7012MP	4P	82	26	-	42	8.5	6.5	9	8	6										△											
		NRZM7012MB	2P																														
M14 × 2	G9	NRZM9014QP	4P	88	26	-	45	10.5	8	11	8	6	△																				
		NRZM9014QB	2P																														
	G10	NRZM0014QP	4P										88	26	-	45	10.5	8	11	8	6	△											
		NRZM0014QB	2P																														

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

N+RZ/N-RZ Thread Forming Taps for Steels

Size	Class	Code	Chamfer	L (mm)	ℓ (mm)	ℓn (mm)	ℓs (mm)	Ds (mm)	K (mm)	ℓk (mm)	Lobe	Type	Stock
M14 × 1.5	G9	NRZM90140P	4P	88	26	-	45	10.5	8	11	8	6	△
		NRZM90140B	2P										
M14 × 1	G8	NRZM8014MP	4P	88	26	-	45	10.5	8	11	8	6	△
		NRZM8014MB	2P										
M16 × 2	G9	NRZM9016QP	4P	95	26	-	48	12.5	10	13	8	6	△
		NRZM9016QB	2P										
	G10	NRZM0016QP	4P										
		NRZM0016QB	2P										
M16 × 1.5	G9	NRZM90160P	4P	95	26	-	48	12.5	10	13	8	6	△
		NRZM90160B	2P										
M20 × 1.5	G9	NRZM90200P	4P	105	33	-	50	15	12	15	8	7	△
		NRZM90200B	2P										
	G10	NRZM00200P	4P										
		NRZM00200B	2P										

Spiral Fluted Taps
(for blind hole)

Spiral Fluted Taps
(for through hole)

Spiral Fluted Taps
(for through hole)

Spiral Pointed Taps
(for through hole)

Hand Taps
(for through hole)

Cemented
Carbide Taps

Roll Taps

Special Thread Taps
Simple Inspection Tools

Pipe Taps

Thread Mills

Dies

Center Drills

Centering Tools

LS-N-RZ

Long Shank Thread Forming Taps for Steels

Specification

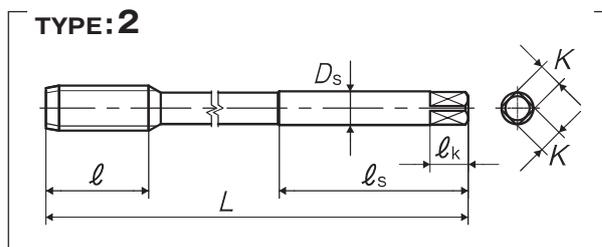
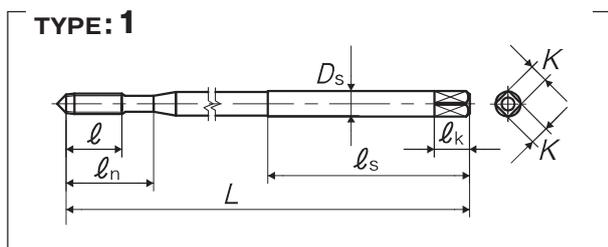


■LS-N-RZ is the long shank forming tap suitable for ferrous materials such as carbon steels, alloy steels and normal steels.

Recommended Tapping Speeds depending on Materials

Low carbon steels 低碳素鋼	Medium carbon steels 中炭素鋼
5~15 (m/min)	5~15 (m/min)

For icon explanation, refer to P.24



Recommended class

Segment: 1J

Size	Class	Code	Chamfer	L (mm)	l (mm)	ln (mm)	ls (mm)	Ds (mm)	K (mm)	lk (mm)	Lobe	Type	Stock
For Metric Threads													
M3 × 0.5	G5	NRZM53.0GP10	4P	100	9	14	40	4	3.2	6	4	1	△
		NRZM53.0GB10	2P										
	G6	NRZM63.0GP10	4P										
		NRZM63.0GB10	2P										
M4 × 0.7	G6	NRZM64.0IP10	4P	100	11	17	40	5	4	7	4	1	△
		NRZM64.0IB10	2P										
	G7	NRZM74.0IP10	4P										
		NRZM74.0IB10	2P										
M5 × 0.8	G6	NRZM65.0KP10	4P	100	13	22	40	5.5	4.5	7	4	1	△
		NRZM65.0KB10	2P										
	G7	NRZM75.0KP10	4P										
		NRZM75.0KB10	2P										
M6 × 1	G7	NRZM76.0MP10	4P	100	15	26	40	6	4.5	7	4	1	△
		NRZM76.0MP15	4P	150									
		NRZM76.0MB10	2P	100									
		NRZM76.0MB15	2P	150									
	G8	NRZM86.0MP10	4P	100									
		NRZM86.0MB10	2P	100									
M8 × 1.25	G7	NRZM78.0NP10	4P	100	19	-	50	6.2	5	8	6	2	△
		NRZM78.0NP15	4P	150									
		NRZM78.0NB10	2P	100									
		NRZM78.0NB15	2P	150									
M10 × 1.5	G7	NRZM70100P10	4P	100	23	-	50	7	5.5	8	8	2	△
		NRZM70100P15	4P	150									
		NRZM70100B10	2P	100									
		NRZM70100B15	2P	150									

Number of oil grooves : M3~M6=4, M8=3, M10=4



◎=Standard ○=Semi standard △=Made to order
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	ℓ _n	ℓ _s	D _s	K	ℓ _k

N+RS/N-RS

Thread Forming Taps for Non-Ferrous Materials

Specification



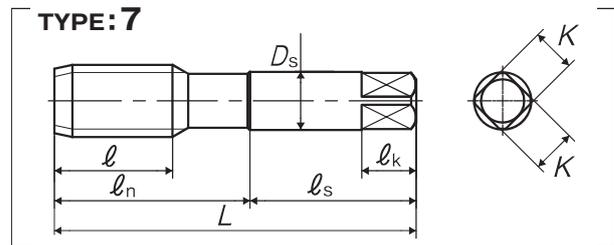
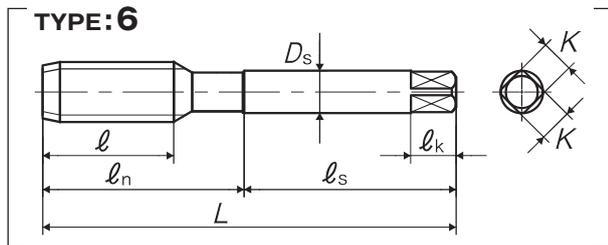
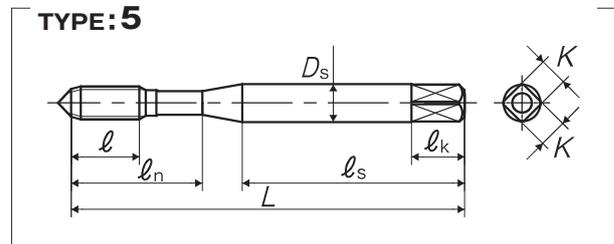
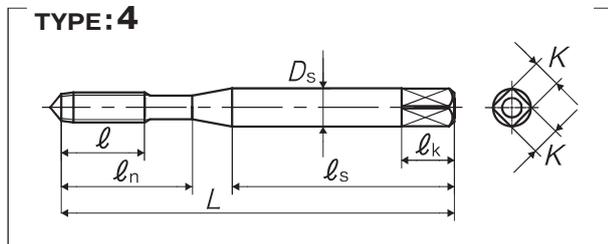
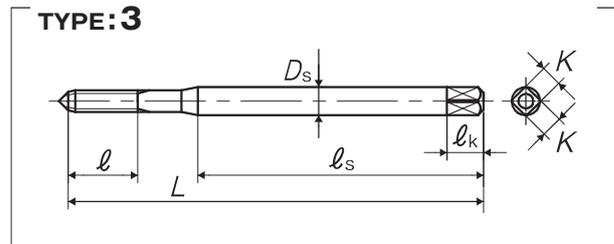
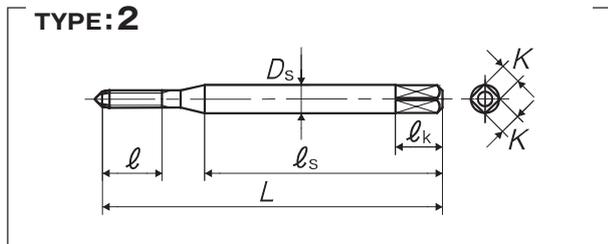
Recommended Tapping Speeds depending on Materials

Wrought aluminum アルミ圧延材 5~15 (m/min)	Aluminum alloy castings アルミ合金鋳物 5~15 (m/min)	Zinc alloy castings 亜鉛合金鋳物 5~15 (m/min)
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For icon explanation, refer to P.24

■N+RS/N-RS are the forming taps suitable for non-ferrous materials such as aluminum castings, aluminum diecasting and brass.

N+RS	~M6 (coarse thread)
N-RS	M7~, all U, all STI



Number of oil grooves :
Metric thread : M2.6 and smaller=non, M3 and larger=1
Unified thread : No.4 and smaller=non, No.5 and larger=1

Spiral Fluted Taps
(for blind hole)

Spiral Fluted Taps
(for through hole)

Spiral Pointed Taps
(for through hole)

Hand Taps

Cemented
Carbide Taps

Roll Taps

Special Thread Taps
Simple Inspection Tools

Pipe Taps

Thread Mills

Dies

Center Drills

Centering Tools

N+RS/N-RS Thread Forming Taps for Non-Ferrous Materials

Recommended class
Segment : 1J

Size	Class	Code	Chamfer	L (mm)	ℓ (mm)	ℓn (mm)	ℓs (mm)	Ds (mm)	K (mm)	ℓk (mm)	Lobe	Type	Stock
For Metric Threads													
M1 × 0.25	G4	NRSP41.0BP	4P	36	4.5	-	24	3	2.5	5	4	1	◎
		NRSP41.0BB	2P										△
	G5	NRSP51.0BP	4P										△
		NRSP51.0BB	2P										
M1.2 × 0.25	G4	NRSP41.2BP	4P	36	4.5	-	24	3	2.5	5	4	1	◎
		NRSP41.2BB	2P										
	G5	NRSP51.2BP	4P										○
		NRSP51.2BB	2P										
M1.4 × 0.3	G4	NRSP41.4CP	4P	36	5.4	-	24	3	2.5	5	4	1	◎
		NRSP41.4CB	2P										
	G5	NRSP51.4CP	4P										
		NRSP51.4CB	2P										
M1.6 × 0.35	G4	NRSP41.6DP	4P	36	6.3	-	24	3	2.5	5	4	2	○
		NRSP41.6DB	2P										
	G5	NRSP51.6DP	4P										◎
		NRSP51.6DB	2P										
M1.7 × 0.35	G4	NRSP41.7DP	4P	36	6.3	-	24	3	2.5	5	4	2	◎
		NRSP41.7DB	2P										
	G5	NRSP51.7DP	4P										○
		NRSP51.7DB	2P										
	G6	NRSP61.7DP	4P										
		NRSP61.7DB	2P										
M1.8 × 0.35	G4	NRSP41.8DP	4P	42	6.3	-	27	3	2.5	5	4	2	△
		NRSP41.8DB	2P										
	G5	NRSP51.8DP	4P										
		NRSP51.8DB	2P										
M2 × 0.4	G4	NRSP42.0EP	4P	42	7.2	-	27	3	2.5	5	4	3	◎
		NRSP42.0EB	2P										
	G5	NRSP52.0EP	4P										
		NRSP52.0EB	2P										
	G6	NRSP62.0EP	4P										
		NRSP62.0EB	2P										
M2 × 0.25	G4	NRSM42.0BP	4P	42	4.5	-	27	3	2.5	5	4	3	△
		NRSM42.0BB	2P										
	G5	NRSM52.0BP	4P										
		NRSM52.0BB	2P										
M2.3 × 0.4	G4	NRSP42.3EP	4P	42	7.2	-	27	3	2.5	5	4	3	○
		NRSP42.3EB	2P										
	G5	NRSP52.3EP	4P										
		NRSP52.3EB	2P										
	G6	NRSP62.3EP	4P										△
		NRSP62.3EB	2P										
M2.5 × 0.45	G5	NRSP52.5FP	4P	46	8.1	14	29	3	2.5	5	4	4	◎
		NRSP52.5FB	2P										
	G6	NRSP62.5FP	4P										○
		NRSP62.5FB	2P										
M2.5 × 0.35	G4	NRSM42.5DP	4P	46	6.3	14	29	3	2.5	5	4	5	△
		NRSM42.5DB	2P										

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

N+RS/N-RS Thread Forming Taps for Non-Ferrous Materials

Size	Class	Code	Chamfer	L (mm)	ℓ (mm)	ℓn (mm)	ℓs (mm)	Ds (mm)	K (mm)	ℓk (mm)	Lobe	Type	Stock
M2.5 × 0.35	G5	NRSM52.5DP	4P	46	6.3	14	29	3	2.5	5	4	5	△
		NRSM52.5DB	2P										△
M2.6 × 0.45	G5	NRSP52.6FP	4P	46	8.1	14	29	3	2.5	5	4	4	◎
		NRSP52.6FB	2P										◎
	G6	NRSP62.6FP	4P										○
		NRSP62.6FB	2P										○
M2.6 × 0.35	G5	NRSM52.6DP	4P	46	6.3	14	29	3	2.5	5	4	5	△
		NRSM52.6DB	2P										△
	G6	NRSM62.6DP	4P										△
		NRSM62.6DB	2P										△
M3 × 0.5	G5	NRSP53.0GP	4P	46	9	14	26	4	3.2	6	4	4	◎
		NRSP53.0GB	2P										◎
	G6	NRSP63.0GP	4P										○
		NRSP63.0GB	2P										○
	G7	NRSP73.0GP	4P										○
		NRSP73.0GB	2P										○
	G8	NRSP83.0GP	4P										△
		NRSP83.0GB	2P										△
M3 × 0.35	G5	NRSM53.0DP	4P	46	6.5	14	26	4	3.2	6	4	5	△
		NRSM53.0DB	2P										△
	G6	NRSM63.0DP	4P										△
		NRSM63.0DB	2P										△
M3.5 × 0.6	G5	NRSP53.5HP	4P	52	11	16	29	5	4	7	4	4	○
		NRSP53.5HB	2P										○
	G6	NRSP63.5HP	4P										△
		NRSP63.5HB	2P										△
	G7	NRSP73.5HP	4P										△
M3.5 × 0.35	G5	NRSM53.5DP	4P	52	6.5	16	29	5	4	7	4	5	△
		NRSM53.5DB	2P										△
	G6	NRSM63.5DP	4P										△
		NRSM63.5DB	2P										△
M4 × 0.7	G5	NRSP54.0IP	4P	52	11	17	29	5	4	7	4	4	○
		NRSP54.0IB	2P										○
	G6	NRSP64.0IP	4P										◎
		NRSP64.0IB	2P										◎
	G7	NRSP74.0IP	4P										○
		NRSP74.0IB	2P										○
	G8	NRSP84.0IP	4P										△
		NRSP84.0IB	2P										△
M4 × 0.5	G6	NRSM64.0GP	4P	52	9	17	29	5	4	7	4	5	△
		NRSM64.0GB	2P										△
	G7	NRSM74.0GP	4P										△
		NRSM74.0GB	2P										△
M5 × 0.8	G5	NRSP55.0KP	4P	60	13	22	33	5.5	4.5	7	4	4	△
		NRSP55.0KB	2P										△
	G6	NRSP65.0KP	4P										◎
		NRSP65.0KB	2P										◎
	G7	NRSP75.0KP	4P										○
		NRSP75.0KB	2P										○
	G8	NRSP85.0KB	2P										△

Spiral Fluted Taps (for blind hole)
 Spiral Fluted Taps (for through hole)
 Spiral Fluted Taps (for through hole)
 Spiral Pointed Taps (for through hole)
 Spiral Pointed Taps (for through hole)
 Hand Taps
 Cemented Carbide Taps
 Roll Taps
 Special Thread Taps
 Simple Inspection Tools
 Pipe Taps
 Thread Mills
 Dies
 Center Drills
 Centering Tools

N+RS/N-RS Thread Forming Taps for Non-Ferrous Materials

Size	Class	Code	Chamfer	L (mm)	ℓ (mm)	ℓn (mm)	ℓs (mm)	Ds (mm)	K (mm)	ℓk (mm)	Lobe	Type	Stock
M5 × 0.5	G6	NRSM65.0GP	4P	60	9	22	33	5.5	4.5	7	4	5	△
		NRSM65.0GB	2P										
	G7	NRSM75.0GP	4P										
		NRSM75.0GB	2P										
M6 × 1	G5	NRSP56.0MP	4P	62	15	26	33	6	4.5	7	4	4	△
		NRSP56.0MB	2P										○
	G6	NRSP66.0MP	4P										○
		NRSP66.0MB	2P										◎
	G7	NRSP76.0MP	4P										◎
		NRSP76.0MB	2P										◎
M6 × 0.75	G6	NRSM66.0JP	4P	62	15	26	33	6	4.5	7	4	4	△
		NRSM66.0JB	2P										
	G7	NRSM76.0JP	4P										
		NRSM76.0JB	2P										
M6 × 0.5	G6	NRSM66.0GP	4P	62	9	26	33	6	4.5	7	4	5	△
		NRSM66.0GB	2P										
M7 × 1	G6	NRSM67.0MP	4P	70	19	-	36	6.2	5	8	4	6	△
		NRSM67.0MB	2P										
	G7	NRSM77.0MP	4P										
		NRSM77.0MB	2P										
M7 × 0.75	G7	NRSM77.0JP	4P	70	19	-	36	6.2	5	8	4	6	△
		NRSM77.0JB	2P										
M8 × 1.25	G7	NRSM78.0NP	4P	70	19	-	36	6.2	5	8	6	6	○
		NRSM78.0NB	2P										
	G8	NRSM88.0NP	4P										
		NRSM88.0NB	2P										
M8 × 1	G7	NRSM78.0MP	4P	70	19	-	36	6.2	5	8	6	6	△
		NRSM78.0MB	2P										
M8 × 0.75	G7	NRSM78.0JP	4P	70	19	-	36	6.2	5	8	6	6	△
		NRSM78.0JB	2P										
M10 × 1.5	G7	NRSM70100P	4P	75	23	-	38	7	5.5	8	6	6	○
		NRSM70100B	2P										△
	G8	NRSM80100P	4P										
		NRSM80100B	2P										
M10 × 1.25	G7	NRSM7010NP	4P	75	23	-	38	7	5.5	8	6	6	△
		NRSM7010NB	2P										
	G8	NRSM8010NP	4P										
		NRSM8010NB	2P										
M10 × 1	G7	NRSM7010MP	4P	75	23	-	38	7	5.5	8	6	6	△
		NRSM7010MB	2P										
M12 × 1.75	G8	NRSM8012PP	4P	82	26	-	42	8.5	6.5	9	6	6	△
		NRSM8012PB	2P										
	G9	NRSM9012PP	4P										
		NRSM9012PB	2P										
M12 × 1.5	G8	NRSM80120P	4P	82	26	-	42	8.5	6.5	9	6	6	△
		NRSM80120B	2P										
	G9	NRSM90120P	4P										
		NRSM90120B	2P										
M12 × 1.25	G8	NRSM8012NP	4P	82	26	-	42	8.5	6.5	9	6	6	△
		NRSM8012NB	2P										

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

N+RS/N-RS Thread Forming Taps for Non-Ferrous Materials

Size	Class	Code	Chamfer	L (mm)	ℓ (mm)	ℓn (mm)	ℓs (mm)	Ds (mm)	K (mm)	ℓk (mm)	Lobe	Type	Stock
M12 × 1.25	G9	NRSM9012NP	4P	82	26	-	42	8.5	6.5	9	6	6	△
		NRSM9012NB	2P										
M12 × 1	G7	NRSM7012MP	4P	82	26	-	42	8.5	6.5	9	6	6	△
		NRSM7012MB	2P										
M14 × 2	G9	NRSM9014QP	4P	88	26	-	45	10.5	8	11	6	6	△
		NRSM9014QB	2P										
	G10	NRSM0014QP	4P										
		NRSM0014QB	2P										
M14 × 1.5	G9	NRSM9014OP	4P	88	26	-	45	10.5	8	11	6	6	△
		NRSM9014OB	2P										
M14 × 1	G8	NRSM8014MP	4P	88	26	-	45	10.5	8	11	6	6	△
		NRSM8014MB	2P										
M16 × 2	G9	NRSM9016QP	4P	95	26	-	48	12.5	10	13	6	6	△
		NRSM9016QB	2P										
	G10	NRSM0016QP	4P										
		NRSM0016QB	2P										
M16 × 1.5	G9	NRSM9016OP	4P	95	26	-	48	12.5	10	13	6	6	△
		NRSM9016OB	2P										
M16 × 1	G8	NRSM8016MP	4P	95	26	-	48	12.5	10	13	6	6	△
		NRSM8016MB	2P										
M18 × 1.5	G9	NRSM9018OP	4P	100	33	-	51	14	11	14	6	6	△
		NRSM9018OB	2P										
M20 × 2.5	G11	NRSM1020RP	4P	105	33	-	50	15	12	15	6	7	△
		NRSM1020RB	2P										
M20 × 1.5	G9	NRSM9020OP	4P	105	33	-	50	15	12	15	6	7	△
		NRSM9020OB	2P										
For Unified Threads													
Size	Class	Code	Chamfer	L (mm)	ℓ (mm)	ℓn (mm)	ℓs (mm)	Ds (mm)	K (mm)	ℓk (mm)	Lobe	Type	Stock
No.0-80UNF	G5	NRSM5UN0BP	4P	36	6.3	-	24	3	2.5	5	3	2	△
		NRSM5UN0BB	2P										
No.1-72UNF	G5	NRSM5UN1CP	4P	42	7.2	-	27	3	2.5	5	3	2	△
		NRSM5UN1CB	2P										
No.2-56UNC	G4	NRSM4UN2EP	4P	42	8.1	-	27	3	2.5	5	4	3	△
		NRSM4UN2EB	2P										
	G5	NRSM5UN2EP	4P										
		NRSM5UN2EB	2P										
	G7	NRSM7UN2EP	4P										
		NRSM7UN2EB	2P										
No.3-48UNC	G4	NRSM4UN3FP	4P	46	8.1	14	29	3	2.5	5	4	4	△
		NRSM4UN3FB	2P										
	G5	NRSM5UN3FP	4P										
		NRSM5UN3FB	2P										
No.4-40UNC	G5	NRSM5UN4HP	4P	46	9	14	26	4	3.2	6	4	4	△
		NRSM5UN4HB	2P										
	G6	NRSM6UN4HP	4P										
		NRSM6UN4HB	2P										
	G7	NRSM7UN4HP	4P										
		NRSM7UN4HB	2P										
No.4-48UNF	G5	NRSM5UN4FP	4P	46	9	14	26	4	3.2	6	4	4	△
		NRSM5UN4FB	2P										

Spiral Fluted Taps (for blind hole)
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 Cemented Carbide Taps
 Roll Taps
 Special Thread Taps Simple Inspection Tools
 Pipe Taps
 Thread Mills
 Dies
 Center Drills
 Centering Tools

N+RS/N-RS Thread Forming Taps for Non-Ferrous Materials

Size	Class	Code	Chamfer	L (mm)	ℓ (mm)	ℓn (mm)	ℓs (mm)	Ds (mm)	K (mm)	ℓk (mm)	Lobe	Type	Stock	
No.4-48UNF	G6	NRSM6UN4FP	4P	46	9	14	26	4	3.2	6	4	4	△	
		NRSM6UN4FB	2P											
No.6-32UNC	G5	NRSM5UN6JP	4P	52	11	16	29	5	4	7	4	4	△	
		NRSM5UN6JB	2P											
	G6	NRSM6UN6JP	4P											
		NRSM6UN6JB	2P											
	G7	NRSM7UN6JP	4P											
		NRSM7UN6JB	2P											
No.6-40UNF	G5	NRSM5UN6HP	4P	52	11	16	29	5	4	7	4	4	△	
		NRSM5UN6HB	2P											
No.8-32UNC	G6	NRSM6UN8JP	4P	60	13	21	33	5.5	4.5	7	4	4	△	
		NRSM6UN8JB	2P											
	G7	NRSM7UN8JP	4P											
		NRSM7UN8JB	2P											
No.8-36UNF	G5	NRSM5UN8IP	4P	60	13	21	33	5.5	4.5	7	4	4	△	
		NRSM5UN8IB	2P											
	G6	NRSM6UN8IB	2P											
No.10-24UNC	G6	NRSM6UNAMP	4P	60	13	22	33	5.5	4.5	7	4	4	△	
		NRSM6UNAMB	2P											
	G7	NRSM7UNAMP	4P											
		NRSM7UNAMB	2P											
No.10-32UNF	G6	NRSM6UNAJP	4P	60	13	22	33	5.5	4.5	7	4	4	△	
		NRSM6UNAJB	2P											
	G7	NRSM7UNAJP	4P											
		NRSM7UNAJB	2P											
1/4-20UNC	G6	NRSM6U04NP	4P	62	15	26	33	6	4.5	7	4	4	△	
		NRSM6U04NB	2P											
	G7	NRSM7U04NP	4P											
		NRSM7U04NB	2P											
1/4-28UNF	G6	NRSM6U04KP	4P	62	15	26	33	6	4.5	7	4	4	△	
		NRSM6U04KB	2P											
For Helical Coil Wire Screw Thread Inserts, for Metric Threads														
Size	Class	Code	Chamfer	Basic major dia (mm)	L (mm)	ℓ (mm)	ℓn (mm)	ℓs (mm)	Ds (mm)	K (mm)	ℓk (mm)	Lobe	Type	Stock
STI M3 × 0.5	G3	RW3.0G3LENP	4P	3.65	52	7.5	17	29	5	4	7	4	4	△
		RW3.0G3LENB	2P											
STI M4 × 0.7	G4	RW4.0I4LENP	4P	4.909	60	13	22	33	5.5	4.5	7	4	4	△
		RW4.0I4LENB	2P											
STI M5 × 0.8	G4	RW5.0K4LENP	4P	6.039	62	15	26	33	6	4.5	7	4	4	△
		RW5.0K4LENB	2P											
STI M6 × 1	G4	RW6.0M4LENP	4P	7.299	70	19	-	36	6.2	5	8	4	6	△
		RW6.0M4LENB	2P											
STI M8 × 1.25	G4	RW8.0N4LENB	2P	9.624	75	23	-	38	7	5.5	8	6	6	△
STI M10 × 1.5	G5	RW01005LENB	2P	11.948	82	26	-	42	8.5	6.5	9	6	6	△
STI M12 × 1.75	G6	RW012P6LENB	2P	14.273	95	26	-	48	12.5	10	13	6	6	△

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

LS-N-RS



Long Shank Thread Forming Taps for Non-Ferrous Materials

Specification

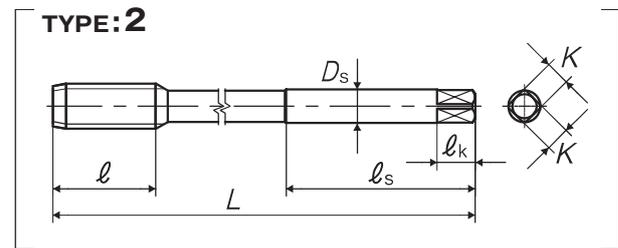
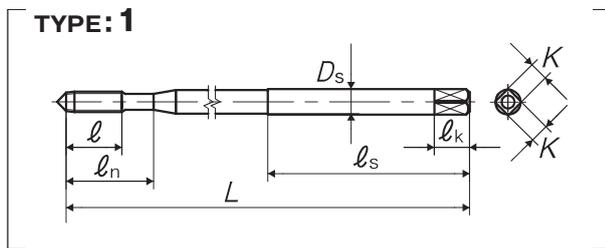


■LS-N-RS is the long shank forming tap suitable for non-ferrous materials such as aluminum castings, aluminum diecasting and brass.

Recommended Tapping Speeds depending on Materials

Wrought aluminum アルミ圧延材 5~15 (m/min)	Aluminum alloy castings アルミ合金鑄物 5~15 (m/min)	Zinc alloy castings 亜鉛合金鑄物 5~15 (m/min)
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For icon explanation, refer to P.24



Recommended class

Segment : 1J

Size	Class	Code	Chamfer	L (mm)	ℓ (mm)	ℓ _n (mm)	ℓ _s (mm)	D _s (mm)	K (mm)	ℓ _k (mm)	Lobe	Type	Stock
For Metric Threads													
M3 × 0.5	G5	NRSM53.0GP10	4P	100	9	14	40	4	3.2	6	4	1	○
		NRSM53.0GB10	2P										
	G6	NRSM63.0GP10	4P										
		NRSM63.0GB10	2P										
M4 × 0.7	G6	NRSM64.0IP10	4P	100	11	17	40	5	4	7	4	1	○
		NRSM64.0IB10	2P										
	G7	NRSM74.0IP10	4P										
		NRSM74.0IB10	2P										
M5 × 0.8	G6	NRSM65.0KP10	4P	100	13	22	40	5.5	4.5	7	4	1	△
		NRSM65.0KB10	2P										
	G7	NRSM75.0KP10	4P										
		NRSM75.0KB10	2P										
M6 × 1	G7	NRSM76.0MP10	4P	100	15	26	40	6	4.5	7	4	1	○
		NRSM76.0MP15	4P	150									
		NRSM76.0MB10	2P	100									
		NRSM76.0MB15	2P	150									
	G8	NRSM86.0MP10	4P	100									
		NRSM86.0MP15	4P	150									
		NRSM86.0MB10	2P	100									
		NRSM86.0MB15	2P	150									
M8 × 1.25	G7	NRSM78.0NP10	4P	100	19	-	50	6.2	5	8	6	2	△
		NRSM78.0NP15	4P	150									
		NRSM78.0NB10	2P	100									
		NRSM78.0NB15	2P	150									
M10 × 1.5	G7	NRSM70100P10	4P	100	23	-	50	7	5.5	8	6	2	△
		NRSM70100P15	4P	150									

Spiral Fluted Taps (for blind hole)
 Spiral Fluted Taps (for through hole)
 Spiral Pointed Taps (for through hole)
 Hand Taps
 Cemented Carbide Taps
 Roll Taps
 Special Thread Taps Simple Inspection Tools
 Pipe Taps
 Thread Mills
 Dies
 Center Drills
 Centering Tools

LS-N-RS Long Shank Thread Forming Taps for Non-Ferrous Materials

Size	Class	Code	Chamfer	L (mm)	ℓ (mm)	ℓn (mm)	ℓs (mm)	Ds (mm)	K (mm)	ℓk (mm)	Lobe	Type	Stock
M10 × 1.5	G7	NRSM70100B10	2P	100	23	-	50	7	5.5	8	6	2	△
		NRSM70100B15		150									

Number of oil grooves : 1

Spiral Fluted Taps
(for blind hole)

Spiral Fluted Taps
(for through hole)

Spiral Pointed Taps
(for through hole)

Hand Taps

Cemented
Carbide Taps

Roll Taps

Special Thread Taps
Simple inspection tools

Pipe Taps

Thread Mills

Dies

Center Drills

Centering Tools

R+V

Thread Forming Taps, Coated Specification

HSS Coating

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

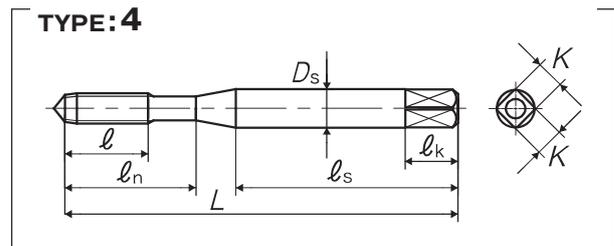
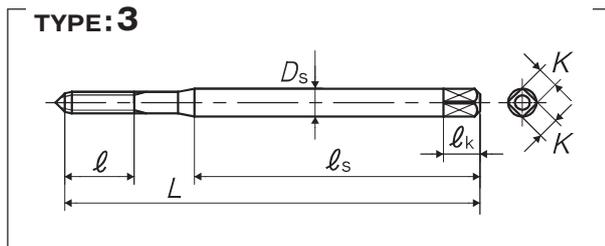
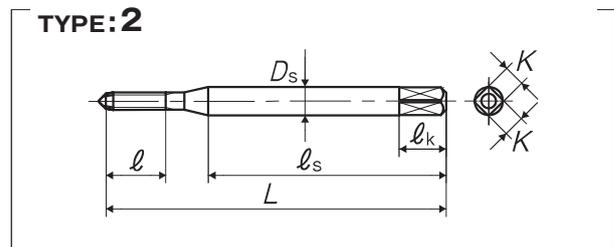
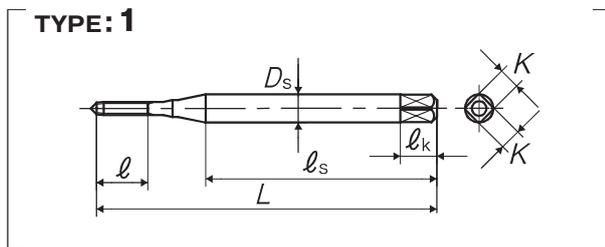


■R+V is coated forming tap for ferrous and non-ferrous materials. Optimum coating suitable to the tapping condition.

Recommended Tapping Speeds depending on Materials

Low carbon steels 低碳素鋼	Medium carbon steels 中炭素鋼
10~20 (m/min)	10~20 (m/min)

For icon explanation, refer to P.24



Recommended class
Segment: 1J

Size	Class	Code	Chamfer	L (mm)	ℓ (mm)	ℓn (mm)	ℓs (mm)	Ds (mm)	K (mm)	ℓk (mm)	Lobe	Type	Stock
For Metric Threads													
M1 × 0.25	G4	RVP41.0BP	4P	36	4.5	-	24	3	2.5	5	4	1	○
		RVP41.0BB	2P										△
	G5	RVP51.0BP	4P										○
		RVP51.0BB	2P										△
M1.2 × 0.25	G4	RVP41.2BP	4P	36	4.5	-	24	3	2.5	5	4	1	○
		RVP41.2BB	2P										△
	G5	RVP51.2BP	4P										○
		RVP51.2BB	2P										△
M1.4 × 0.3	G4	RVP41.4CP	4P	36	5.4	-	24	3	2.5	5	4	1	◎
		RVP41.4CB	2P										△
	G5	RVP51.4CP	4P										○
		RVP51.4CB	2P										△
M1.6 × 0.35	G4	RVP41.6DP	4P	36	6.3	-	24	3	2.5	5	4	2	○
		RVP41.6DB	2P										△
	G5	RVP51.6DP	4P										○
		RVP51.6DB	2P										△
M1.7 × 0.35	G4	RVP41.7DP	4P	36	6.3	-	24	3	2.5	5	4	2	○
		RVP61.6DB	2P										△

◎=Standard ○=Semi standard △=Made to order
For improvement, spec may change without advance notice.

Think threads with
YAMAWA

RO-16

247

Spiral Fluted Taps (for blind hole)
Spiral Fluted Taps (for through hole)
Spiral Pointed Taps (for through hole)
Hand Taps
Cemented Carbide Taps
Roll Taps
Special Thread Taps Simple Inspection Tools
Pipe Taps
Thread Mills
Dies
Center Drills
Centering Tools

Roll Tap Series

R+V Thread Forming Tap, Coated

	Size	Class	Code	Chamfer	L (mm)	ℓ (mm)	ℓn (mm)	ℓs (mm)	Ds (mm)	K (mm)	ℓk (mm)	Lobe	Type	Stock
Spiral Fluted Taps (for blind hole)	M1.7 × 0.35	G4	RVP41.7DB	2P	36	6.3	-	24	3	2.5	5	4	2	○
		G5	RVP51.7DP	4P										◎
			RVP51.7DB	2P										
		G6	RVP61.7DP	4P										△
RVP61.7DB	2P													
Spiral Fluted Taps (for through hole)	M2 × 0.4	G4	RVP42.0EP	4P	42	7.2	-	27	3	2.5	5	4	3	◎
		G5	RVP42.0EB	2P										
			RVP52.0EP	4P										
		G6	RVP52.0EB	2P										
			RVP62.0EP	4P										△
		RVP62.0EB	2P											
Spiral Pointed Taps (for through hole)	M2.3 × 0.4	G4	RVP42.3EP	4P	42	7.2	-	27	3	2.5	5	4	3	△
		G5	RVP42.3EB	2P										
			RVP52.3EP	4P										
		RVP52.3EB	2P											
Hand Taps	M2.5 × 0.45	G5	RVP52.5FP	4P	46	8.1	14	29	3	2.5	5	4	4	○
		G6	RVP52.5FB	2P										
			RVP62.5FP	4P										△
		RVP62.5FB	2P											
Cemented Carbide Taps	M2.6 × 0.45	G5	RVP52.6FP	4P	46	8.1	14	29	3	2.5	5	4	4	◎
		G6	RVP52.6FB	2P										
			RVP62.6FP	4P										○
		RVP62.6FB	2P											
Roll Taps	M3 × 0.5	G5	RVP53.0GP	4P	46	9	14	26	4	3.2	6	4	4	◎
		G6	RVP53.0GB	2P										
			RVP63.0GP	4P										
		G7	RVP63.0GB	2P										○
			RVP73.0GP	4P										
		G8	RVP73.0GB	2P										△
			RVP83.0GP	4P										
		Special Thread Taps Simple inspection tools	M4 × 0.7	G5										RVP54.0IP
G6	RVP54.0IB			2P										
	RVP64.0IP			4P	◎									
G7	RVP64.0IB			2P										
	RVP74.0IP			4P	○									
G8	RVP74.0IB			2P										
	RVP84.0IP			4P	△									
RVP84.0IB	2P													
Pipe Taps	M5 × 0.8	G5	RVP55.0KP	4P	60	13	22	33	5.5	4.5	7	4	4	△
		G6	RVP55.0KB	2P										
			RVP65.0KP	4P										○
		G7	RVP65.0KB	2P										
			RVP75.0KP	4P										
		RVP75.0KB	2P	△										
G8	RVP85.0KP	4P												
	RVP85.0KB	2P												
Thread Mills	M6 × 1	G6	RVP66.0MP	4P	62	15	26	33	6	4.5	7	4	4	○
		G7	RVP66.0MB	2P										
			RVP76.0MP	4P										
		RVP76.0MB	2P											
Center Drills														
Centering Tools														

Number of oil grooves : Metric thread : M2.6 and smaller=non, M3 and larger=4

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

OL+RZ/OL-RZ



Thread Forming Taps for Dry Tapping, Coated Specification



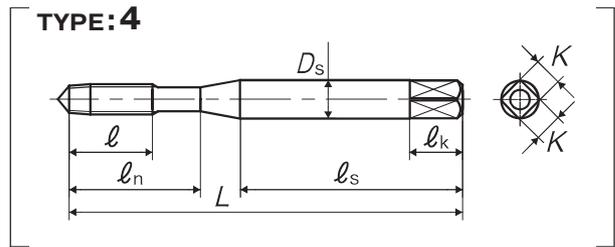
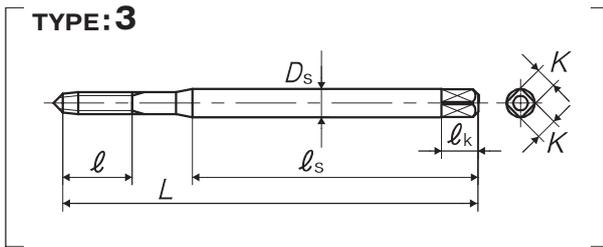
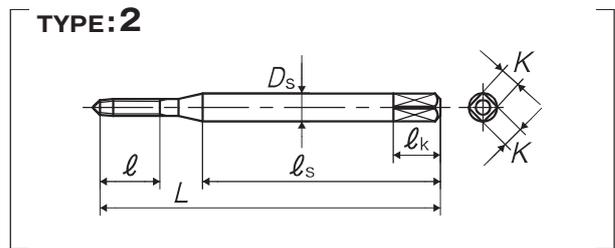
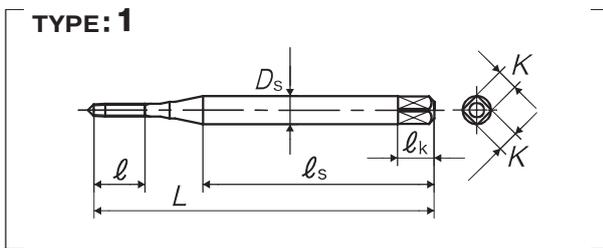
■OL+RZ/OL-RZ are the forming taps enabling dry tapping under following condition : tapping sizes of smaller than M6, thin steel sheets having burring operation, and steel parts with rather short length. Optimum coating suitable to the tapping condition.

Recommended Tapping Speeds depending on Materials

Low carbon steels 低炭素鋼 15~30 (m/min)	Medium carbon steels 中炭素鋼 15~30 (m/min)	High carbon steels 高炭素鋼 15~25 (m/min)	Alloy steels 合金鋼 15~25 (m/min)	Stainless steels ステンレス鋼 10~25 (m/min)
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OL+RZ	all M
OL-RZ	all U

For icon explanation, refer to P.24



Recommended class

Segment : 1J

Size	Class	Code	Chamfer	L (mm)	ℓ (mm)	ℓ _n (mm)	ℓ _s (mm)	D _s (mm)	K (mm)	ℓ _k (mm)	Lobe	Type	Stock
For Metric Threads													
M1 × 0.25	G4	OLRZP41.0BP	4P	36	4.5	-	24	3	2.5	5	4	1	△
M1.2 × 0.25	G4	OLRZP41.2BP	4P	36	4.5	-	24	3	2.5	5	4	1	○
M1.4 × 0.3	G4	OLRZP41.4CP	4P	36	5.4	-	24	3	2.5	5	4	1	◎
M1.6 × 0.35	G4	OLRZP41.6DP	4P	36	6.3	-	24	3	2.5	5	4	2	○
M1.7 × 0.35	G4	OLRZP41.7DP	4P	36	6.3	-	24	3	2.5	5	4	2	◎
M2 × 0.4	G4	OLRZP42.0EP	4P	42	7.2	-	27	3	2.5	5	4	3	◎
	G5	OLRZP52.0EP											◎
M2.3 × 0.4	G4	OLRZP42.3EP	4P	42	7.2	-	27	3	2.5	5	4	3	○
	G5	OLRZP52.3EP											○
M2.5 × 0.45	G5	OLRZP52.5FP	4P	46	8.1	14	29	3	2.5	5	4	4	○
	G6	OLRZP62.5FP											○
M2.6 × 0.45	G5	OLRZP52.6FP	4P	46	8.1	14	29	3	2.5	5	4	4	○
	G6	OLRZP62.6FP											○
M3 × 0.5	G5	OLRZP53.0GP	4P	46	9	14	26	4	3.2	6	4	4	◎
	G6	OLRZP63.0GP											◎
M3.5 × 0.6	G5	OLRZP53.5HP	4P	52	11	16	29	5	4	7	4	4	△
	G6	OLRZP63.5HP											○
M4 × 0.7	G6	OLRZP64.0IP	4P	52	11	17	29	5	4	7	4	4	◎
	G7	OLRZP74.0IP											○

◎=Standard ○=Semi standard △=Made to order
For improvement, spec may change without advance notice.

Think threads with
YAMAWA

Spiral Fluted Taps
(for blind hole)

Spiral Fluted Taps
(for through hole)

Spiral Pointed Taps
(for through hole)

Hand Taps

Cemented
Carbide Taps

Roll Taps

Special Thread Taps
Simple Inspection Tools

Pipe Taps

Thread Mills

Dies

Center Drills

Centering Tools

OL+RZ/OL-RZ Thread Forming Taps for Dry Tapping, Coated

Size	Class	Code	Chamfer	L (mm)	ℓ (mm)	ℓn (mm)	ℓs (mm)	Ds (mm)	K (mm)	ℓk (mm)	Lobe	Type	Stock
M5 × 0.8	G6	OLRZP65.0KP	4P	60	13	22	33	5.5	4.5	7	4	4	○
	G7	OLRZP75.0KP											
M6 × 1	G6	OLRZP66.0MP	4P	62	15	26	33	6	4.5	7	4	4	○
	G7	OLRZP76.0MP											
For Unified Threads													
Size	Class	Code	Chamfer	L (mm)	ℓ (mm)	ℓn (mm)	ℓs (mm)	Ds (mm)	K (mm)	ℓk (mm)	Lobe	Type	Stock
No.2-56UNC	G4	OLRZM4UN2EP	4P	42	8.1	-	27	3	2.5	5	4	3	△
	G5	OLRZM5UN2EP											
No.2-64UNF	G4	OLRZM4UN2DP	4P	42	8.1	-	27	3	2.5	5	4	3	△
No.3-48UNC	G4	OLRZM4UN3FP	4P	46	8.1	14	29	3	2.5	5	4	4	△
No.3-56UNF	G4	OLRZM4UN3EP	4P	46	8.1	14	29	3	2.5	5	4	4	△
No.4-40UNC	G5	OLRZM5UN4HP	4P	46	9	14	26	4	3.2	6	4	4	○
	G6	OLRZM6UN4HP											
No.4-48UNF	G5	OLRZM5UN4FP	4P	46	9	14	26	4	3.2	6	4	4	△
No.5-40UNC	G5	OLRZM5UN5HP	4P	52	11	16	29	5	4	7	4	4	△
No.5-44UNF	G5	OLRZM5UN5GP	4P	52	11	16	29	5	4	7	4	4	△
No.6-32UNC	G5	OLRZM5UN6JP	4P	52	11	16	29	5	4	7	4	4	△
	G6	OLRZM6UN6JP											
No.6-40UNF	G5	OLRZM5UN6HP	4P	52	11	16	29	5	4	7	4	4	△
No.8-32UNC	G6	OLRZM6UN8JP	4P	60	13	21	33	5.5	4.5	7	4	4	△
	G7	OLRZM7UN8JP											
No.8-36UNF	G6	OLRZM6UN8IP	4P	60	13	21	33	5.5	4.5	7	4	4	△
No.10-24UNC	G6	OLRZM6UNAMP	4P	60	13	22	33	5.5	4.5	7	4	4	△
	G7	OLRZM7UNAMP											
No.10-32UNF	G6	OLRZM6UNAJP	4P	60	13	22	33	5.5	4.5	7	4	4	△
	G7	OLRZM7UNAJP											
No.12-24UNC	G6	OLRZM6UNCMP	4P	62	15	26	33	6	4.5	7	4	4	△
No.12-28UNF	G6	OLRZM6UNCKP	4P	62	15	26	33	6	4.5	7	4	4	△
1/4-20UNC	G7	OLRZM7U04NP	4P	62	15	26	33	6	4.5	7	4	4	△
1/4-28UNF	G7	OLRZM7U04KP	4P	62	15	26	33	6	4.5	7	4	4	△

Number of oil grooves : non

Spiral Fluted Taps (for blind hole)
 Spiral Fluted Taps (for through hole)
 Spiral Fluted Taps (for through hole)
 Spiral Pointed Taps (for through hole)
 Hand Taps
 Cemented Carbide Taps
 Roll Taps
 Special Thread Taps (Simple inspection tools)
 Pipe Taps
 Thread Mills
 Dies
 Center Drills
 Centering Tools

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

HP+RZ/HP-RZ



High Performance Thread Forming Taps, Coated
Specification



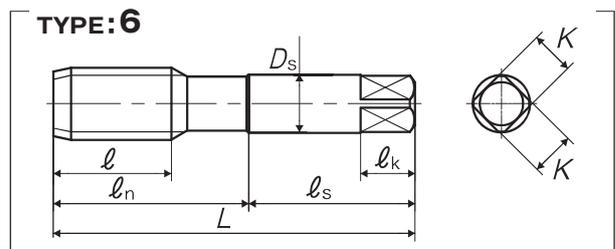
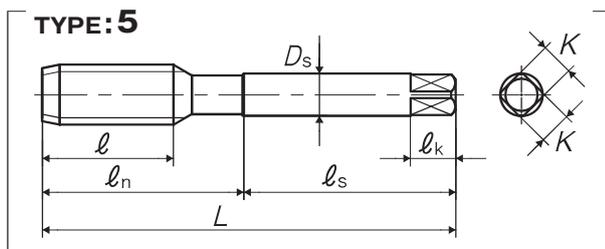
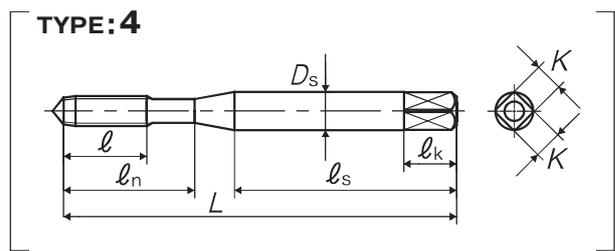
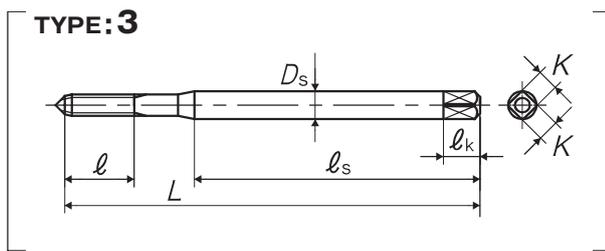
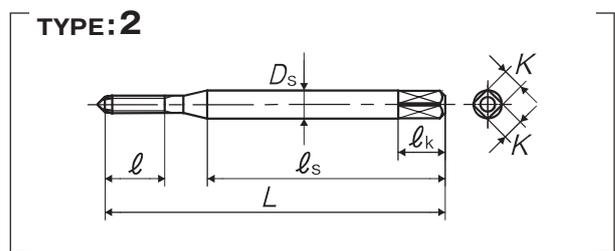
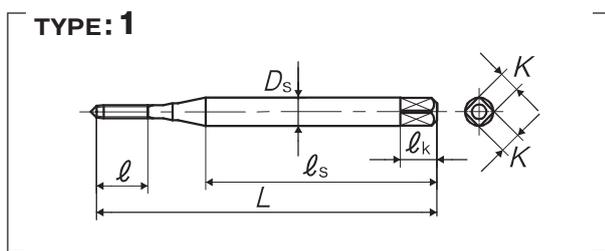
■HP+RZ/HP-RZ are the forming taps suitable for steels (lower than 35HRC) and light alloys, and applicable to the high speed tapping. Optimum coating suitable to the tapping condition.

Recommended 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	Alloy steels 合金鋼	Stainless steels ステンレス鋼
15~30 (m/min)	15~30 (m/min)	15~25 (m/min)	15~25 (m/min)	10~25 (m/min)

HP+RZ	~M6
HP-RZ	M8~, all U

For icon explanation, refer to P.24



Recommended class
Segment: 1J

Size	Class	Code	Chamfer	L (mm)	ℓ (mm)	ℓ _n (mm)	ℓ _s (mm)	D _s (mm)	K (mm)	ℓ _k (mm)	Lobe	Type	Stock
For Metric Threads													
M1 × 0.25	G4	HRZP41.0BB	2P	36	4.5	-	24	3	2.5	5	4	1	○
M1.2 × 0.25	G4	HRZP41.2BB	2P	36	4.5	-	24	3	2.5	5	4	1	○
M1.4 × 0.3	G4	HRZP41.4CB	2P	36	5.4	-	24	3	2.5	5	4	1	○
M1.6 × 0.35	G4	HRZP41.6DB	2P	36	6.3	-	24	3	2.5	5	4	2	○
M1.7 × 0.35	G4	HRZP41.7DB	2P	36	6.3	-	24	3	2.5	5	4	2	○
M2 × 0.4	G4	HRZP42.0EB	2P	42	7.2	-	27	3	2.5	5	4	3	◎
	G5	HRZP52.0EB											
M2.3 × 0.4	G4	HRZP42.3EB	2P	42	7.2	-	27	3	2.5	5	4	3	○
	G5	HRZP52.3EB											
M2.5 × 0.45	G5	HRZP52.5FB	2P	46	8.1	14	29	3	2.5	5	4	4	◎
	G6	HRZP62.5FB											

Spiral Fluted Taps (for blind hole)
Spiral Fluted Taps (for through hole)
Spiral Pointed Taps (for through hole)
Hand Taps
Cemented Carbide Taps
Roll Taps
Special Thread Taps (Simple Inspection Tools)
Pipe Taps
Thread Mills
Dies
Center Drills
Centering Tools

Roll Tap Series

HP+RZ/HP-RZ High Performance Thread Forming Taps, Coated

Size	Class	Code	Chamfer	L (mm)	ℓ (mm)	ℓn (mm)	ℓs (mm)	Ds (mm)	K (mm)	ℓk (mm)	Lobe	Type	Stock
M2.6 × 0.45	G5	HRZP52.6FB	2P	46	8.1	14	29	3	2.5	5	4	4	○
	G6	HRZP62.6FB											○
M3 × 0.5	G5	HRZP53.0GP	4P	46	9	14	26	4	3.2	6	4	4	◎
		HRZP53.0GB	2P										○
	G6	HRZP63.0GP	4P										○
		HRZP63.0GB	2P										○
M3.5 × 0.6	G5	HRZP53.5HP	4P	52	11	16	29	5	4	7	4	4	△
		HRZP53.5HB	2P										○
	G6	HRZP63.5HP	4P										○
		HRZP63.5HB	2P										○
M4 × 0.7	G6	HRZP64.0IP	4P	52	11	17	29	5	4	7	4	4	○
		HRZP64.0IB	2P										○
	G7	HRZP74.0IP	4P										○
		HRZP74.0IB	2P										○
M5 × 0.8	G6	HRZP65.0KP	4P	60	13	22	33	5.5	4.5	7	4	4	○
		HRZP65.0KB	2P										○
	G7	HRZP75.0KP	4P										○
		HRZP75.0KB	2P										○
M6 × 1	G6	HRZP66.0MP	4P	62	15	26	33	6	4.5	7	4	4	○
		HRZP66.0MB	2P										○
	G7	HRZP76.0MP	4P										○
		HRZP76.0MB	2P										○
M8 × 1.25	G7	HRZM78.0NP	4P	70	19	-	36	6.2	5	8	6	5	○
		HRZM78.0NB	2P										○
	G8	HRZM88.0NP	4P										○
		HRZM88.0NB	2P										○
M10 × 1.5	G7	HRZM70100P	4P	75	23	-	38	7	5.5	8	8	5	○
		HRZM70100B	2P										○
	G8	HRZM80100P	4P										△
		HRZM80100B	2P										△
M10 × 1.25	G7	HRZM7010NP	4P	75	23	-	38	7	5.5	8	8	5	○
		HRZM7010NB	2P										○
	G8	HRZM8010NP	4P										△
		HRZM8010NB	2P										△
M12 × 1.75	G8	HRZM8012PP	4P	82	26	-	42	8.5	6.5	9	8	5	△
		HRZM8012PB	2P										○
	G9	HRZM9012PP	4P										○
		HRZM9012PB	2P										○
M12 × 1.5	G8	HRZM80120P	4P	82	26	-	42	8.5	6.5	9	8	5	○
		HRZM80120B	2P										○
	G9	HRZM90120P	4P										△
		HRZM90120B	2P										△
M12 × 1.25	G8	HRZM8012NP	4P	82	26	-	42	8.5	6.5	9	8	5	△
		HRZM8012NB	2P										○
	G9	HRZM9012NP	4P										○
		HRZM9012NB	2P										○
M14 × 1.5	G9	HRZM90140P	4P	88	26	-	45	10.5	8	11	8	5	△
		HRZM90140B	2P										○
M16 × 1.5	G9	HRZM90160P	4P	95	26	-	48	12.5	10	13	8	5	△
		HRZM90160B	2P										○

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

HP+RZ/HP-RZ High Performance Thread Forming Taps, Coated

Size	Class	Code	Chamfer	L (mm)	ℓ (mm)	ℓn (mm)	ℓs (mm)	Ds (mm)	K (mm)	ℓk (mm)	Lobe	Type	Stock
M18 × 1.5	G9	HRZM90180P	4P	100	33	-	51	14	11	14	8	5	△
		HRZM90180B	2P										
M20 × 1.5	G9	HRZM90200P	4P	105	33	-	50	15	12	15	8	6	△
		HRZM90200B	2P										
For Unified Threads													
Size	Class	Code	Chamfer	L (mm)	ℓ (mm)	ℓn (mm)	ℓs (mm)	Ds (mm)	K (mm)	ℓk (mm)	Lobe	Type	Stock
No.2-56UNC	G4	HRZM4UN2EB	2P	42	8.1	-	27	3	2.5	5	4	3	△
	G5	HRZM5UN2EB											
No.2-64UNF	G4	HRZM4UN2DB	2P	42	8.1	-	27	3	2.5	5	4	3	△
No.3-48UNC	G4	HRZM4UN3FB	2P	46	8.1	14	29	3	2.5	5	4	4	△
No.3-56UNF	G4	HRZM4UN3EB	2P	46	8.1	14	29	3	2.5	5	4	4	△
No.4-40UNC	G5	HRZM5UN4HB	2P	46	9	14	26	4	3.2	6	4	4	○
	G6	HRZM6UN4HB											
No.4-48UNF	G5	HRZM5UN4FB	2P	46	9	14	26	4	3.2	6	4	4	△
No.5-40UNC	G5	HRZM5UN5HP	4P	52	11	16	29	5	4	7	4	4	△
		HRZM5UN5HB	2P										
No.5-44UNF	G5	HRZM5UN5GP	4P	52	11	16	29	5	4	7	4	4	△
		HRZM5UN5GB	2P										
No.6-32UNC	G5	HRZM5UN6JP	4P	52	11	16	29	5	4	7	4	4	△
		HRZM5UN6JB	2P										
	G6	HRZM6UN6JP	4P										
		HRZM6UN6JB	2P										
No.6-40UNF	G5	HRZM5UN6HP	4P	52	11	16	29	5	4	7	4	4	△
		HRZM5UN6HB	2P										
No.8-32UNC	G6	HRZM6UN8JP	4P	60	13	21	33	5.5	4.5	7	4	4	△
		HRZM6UN8JB	2P										
	G7	HRZM7UN8JP	4P										
		HRZM7UN8JB	2P										
No.8-36UNF	G6	HRZM6UN8IP	4P	60	13	21	33	5.5	4.5	7	4	4	△
		HRZM6UN8IB	2P										
No.10-24UNC	G6	HRZM6UNAMP	4P	60	13	22	33	5.5	4.5	7	4	4	△
		HRZM6UNAMB	2P										
	G7	HRZM7UNAMP	4P										
		HRZM7UNAMB	2P										
No.10-32UNF	G6	HRZM6UNAJP	4P	60	13	22	33	5.5	4.5	7	4	4	△
		HRZM6UNAJB	2P										
	G7	HRZM7UNAJP	4P										
		HRZM7UNAJB	2P										
No.12-24UNC	G6	HRZM6UNCMP	4P	62	15	26	33	6	4.5	7	4	4	△
		HRZM6UNCMB	2P										
No.12-28UNF	G6	HRZM6UNCKP	4P	62	15	26	33	6	4.5	7	4	4	△
		HRZM6UNCKB	2P										
1/4-20UNC	G7	HRZM7U04NP	4P	62	15	26	33	6	4.5	7	4	4	△
		HRZM7U04NB	2P										
1/4-28UNF	G7	HRZM7U04KP	4P	62	15	26	33	6	4.5	7	4	4	△
		HRZM7U04KB	2P										

Number of oil grooves : Metric thread : M2.6 and smaller=non, M3~M7=2, M8=3, M10 and larger=4
 Unified thread : No.4 and smaller=non, No.5 and larger=2

Spiral Fluted Taps (for blind hole)
 Spiral Fluted Taps (for through hole)
 Spiral Pointed Taps (for through hole)
 Hand Taps
 Cemented Carbide Taps
 Roll Taps
 Special Thread Taps Simple Inspection Tools
 Pipe Taps
 Thread Mills
 Dies
 Center Drills
 Centering Tools

SC-TL-RZ



Torqueless Thread Forming Taps with short chamfer

Specification



Recommended 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	Stainless steels ステンレス鋼
15~30 (m/min)	15~30 (m/min)	15~25 (m/min)	15~25 (m/min)	10~25 (m/min)

For icon explanation, refer to P.24

Product features

- Producing high quality internal threads with little burrs, SC-TL-RZ results in longer tool life.
- Tapping hard-to-machine materials of lower ductility becomes possible.
- Longer tool life under water soluble oil.
- Wider tapping application range up to higher speed tapping.
- Applicable materials:
 - Stainless steels: SUS303, SUS304, SUS316, SUS440C
 - Alloy steels: SCM420
 - Carbon steels: S45C ~ S50C
 - Aluminum alloy castings and die castings

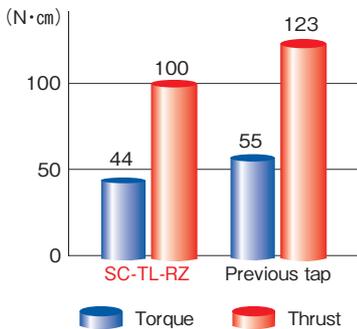
Tapping data

Tapping condition [M3×0.5]

Work material	SCM440 tempered 32HRC
Tapping depth	4.5mm
Bored hole	φ2.8
Tapping speed	5m/min
Tapping fluid	Water soluble oil (×10)
Machine	Tapping center

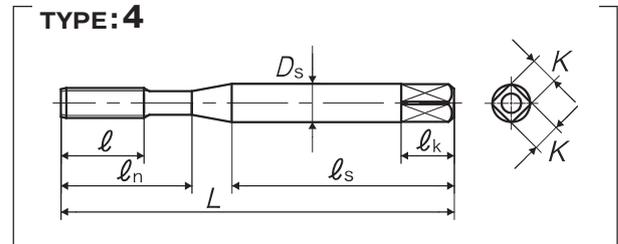
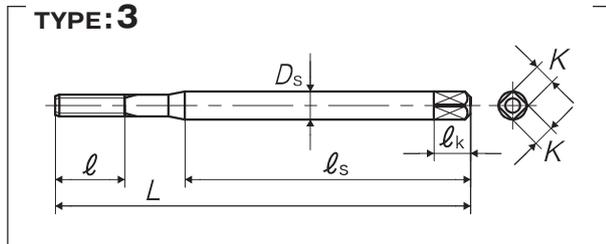
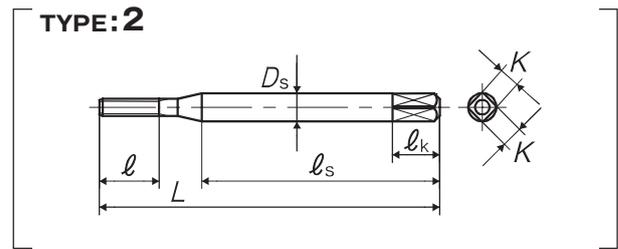
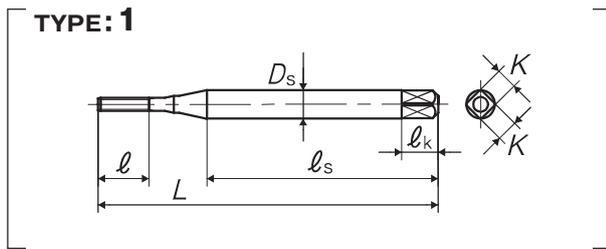


Compared with previous tap, SC-TL-RZ have less damage even after 7,000 hole tapping.



Spiral Fluted Taps (for blind hole)
 Spiral Fluted Taps (for through hole)
 Spiral Pointed Taps (for through hole)
 Hand Taps
 Cemented Carbide Taps
 Roll Taps
 Special Thread Taps Simple Inspection Tools
 Pipe Taps
 Thread Mills
 Dies
 Center Drills
 Centering Tools

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



Recommended class
Segment : 1J

Size	Class	Code	Chamfer	L (mm)	ℓ (mm)	ℓ _n (mm)	ℓ _s (mm)	D _s (mm)	K (mm)	ℓ _k (mm)	Lobe	Type	Stock
For Metric Threads													
M1 × 0.25	G4	SRZM41.0B1	1P	36	4.5	-	24	3	2.5	5	4	1	△
M1.2 × 0.25	G4	SRZM41.2B1	1P	36	4.5	-	24	3	2.5	5	4	1	△
M1.4 × 0.3	G4	SRZM41.4C1	1P	36	5.4	-	24	3	2.5	5	4	1	△
M1.4 × 0.2	G3	SRZM31.4A1	1P	36	3.6	-	24	3	2.5	5	4	1	△
M1.6 × 0.35	G4	SRZM41.6D1	1P	36	6.3	-	24	3	2.5	5	4	2	△
M1.6 × 0.2	G3	SRZM31.6A1	1P	36	3.6	-	24	3	2.5	5	4	2	△
M1.7 × 0.35	G4	SRZM41.7D1	1P	36	6.3	-	24	3	2.5	5	4	2	△
M2 × 0.4	G4	SRZM42.0E1	1P	42	7.2	-	27	3	2.5	5	4	3	△
M2.5 × 0.45	G5	SRZM52.5F1	1P	46	8.1	14	29	3	2.5	5	4	4	△
M2.6 × 0.45	G5	SRZM52.6F1	1P	46	8.1	14	29	3	2.5	5	4	4	△
M3 × 0.5	G5	SRZM53.0G1	1P	46	9	14	26	4	3.2	6	4	4	△
M4 × 0.7	G6	SRZM64.0I1	1P	52	11	17	29	5	4	7	4	4	△
M5 × 0.8	G6	SRZM65.0K1	1P	60	13	22	33	5.5	4.5	7	4	4	△
M6 × 1	G6	SRZM66.0M1	1P	62	15	26	33	6	4.5	7	4	4	△

Spiral Fluted Taps (for blind hole)
Spiral Fluted Taps (for through hole)
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Special Thread Taps Simple Inspection Tools
Pipe Taps
Thread Mills
Dies
Center Drills
Centering Tools

Spiral Fluted Taps (for blind hole)
 Spiral Fluted Taps (for through hole)
 Spiral Fluted Taps (for through hole)
 Spiral Pointed Taps (for through hole)
 Hand Taps
 Cemented Carbide Taps
 Roll Taps
 Special Thread Taps (Simple inspection tools)
 Pipe Taps
 Thread Mills
 Dies
 Center Drills
 Centering Tools

SURZ

SU Thread Forming Taps

Specification



Recommended 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	Stainless steels ステンレス鋼
15~30 [m/min]	15~30 [m/min]	15~25 [m/min]	15~25 [m/min]	10~25 [m/min]

For icon explanation, refer to P.24

Product features

- Adopting the special form on tap's root, SURZ controls the minor diameter geometry of internal threads.
- Special lobe shape realizes low tapping torque.
- High efficiency can be obtained in thread forming of stainless steel parts.
- By adjusting bored hole size, you can adjust the minor diameter geometry of internal threads.

Tapping data

Tapping condition [M2×0.4]

Work material	SUS304
Tapping length	5.2mm (Blind hole)
Bored hole size	$\phi 1.85 \sim \phi 1.82$
Tapping speed	5m/min
Feed	Rigid
Tapping direction	Vertical
Tapping fluid	Water soluble oil (×20)
Machine	Machining center (BT15)

POINT

In use, please select proper bored hole diameter.

Bored hole size	$\phi 1.84$	$\phi 1.83$
Cross section picture of internal threads		
Seam shape	Normal seams remain.	Seams remain a little.
Minor diameter	$\phi 1.62$	$\phi 1.60$

Bored hole size	$\phi 1.82$	$\phi 1.81$
Cross section picture of internal threads		
Seam shape	Seams remain a little.	No seam remains.
Minor diameter	$\phi 1.59$	$\phi 1.58$

M2×0.4 6H internal thread minor diameter and tolerance	
Max.	1.679
Min.	1.567
Tolerance	0.112

Recommended bored hole diameter before tapping

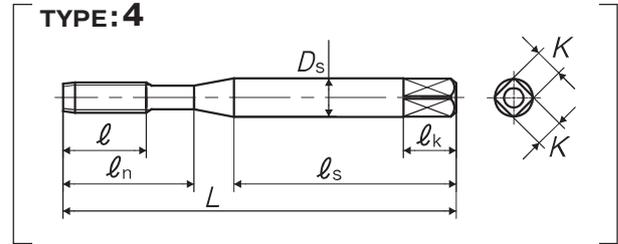
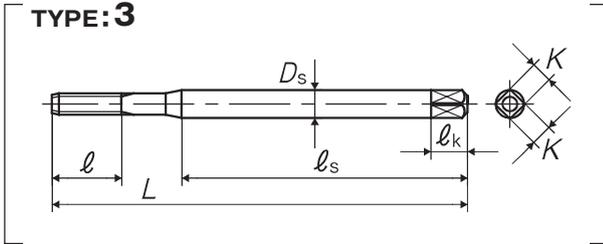
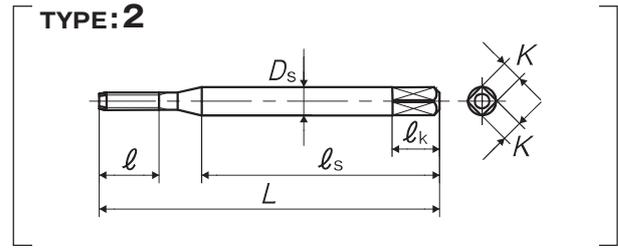
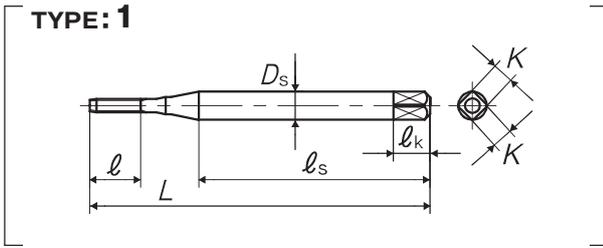
Unit : mm

Size	Class	Recommended bored hole size
M1X0.25	G4	0.90
M1.2X0.25	G4	1.10
M1.4X0.3	G4	1.28
M1.6X0.2	G3	1.52
M1.6X0.35	G4	1.46
M1.7X0.35	G4	1.56
M2X0.4	G4	1.82
M2.3X0.4	G4	2.12
M2.5X0.45	G4	2.30
M2.6X0.45	G5	2.40
M3X0.5	G5	2.77
No.2-5GUNC	G4	1.98
No.4-4GUNC	G5	2.55
No.6-32UNC	G5	3.14

※Recommended bored hole diameters shown in above table have been calculated by aiming at the thread engagement of 90% and by considering avoidance of tap breakage, based on our past tapping test experiences.

※Recommended bore hole diameter may change because material deformation can slightly change depending on material, hardness, dimension of workpiece and tapping condition.

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



Recommended class
Segment : 1J

Size	Class	Code	Chamfer	L (mm)	ℓ (mm)	ℓ _n (mm)	ℓ _s (mm)	D _s (mm)	K (mm)	ℓ _k (mm)	Lobe	Type	Stock
For Metric Threads													
M1 × 0.25	G4	SURZ41.0BB	2P	36	4.5	-	24	3	2.5	5	4	1	○
M1.2 × 0.25	G4	SURZ41.2BB	2P	36	4.5	-	24	3	2.5	5	4	1	○
M1.4 × 0.3	G4	SURZ41.4CB	2P	36	5.4	-	24	3	2.5	5	4	1	○
M1.6 × 0.2	G3	SURZ31.6AB	2P	36	3.6	-	24	3	2.5	5	4	2	○
M1.6 × 0.35	G4	SURZ41.6DB	2P	36	6.3	-	24	3	2.5	5	4	2	○
M1.7 × 0.35	G4	SURZ41.7DB	2P	36	6.3	-	24	3	2.5	5	4	2	○
M2 × 0.4	G4	SURZ42.0EB	2P	42	7.2	-	27	3	2.5	5	4	3	○
M2.3 × 0.4	G4	SURZ42.3EB	2P	42	7.2	-	27	3	2.5	5	4	3	○
M2.5 × 0.45	G4	SURZ42.5FB	2P	46	8.1	14	29	3	2.5	5	4	4	○
M2.6 × 0.45	G5	SURZ52.6FB	2P	46	8.1	14	29	3	2.5	5	4	4	○
M3 × 0.5	G5	SURZ53.0GB	2P	46	9	14	26	4	3.2	6	4	4	○
For Unified Threads													
Size	Class	Code	Chamfer	L (mm)	ℓ (mm)	ℓ _n (mm)	ℓ _s (mm)	D _s (mm)	K (mm)	ℓ _k (mm)	Lobe	Type	Stock
No.2-56UNC	G4	SURZ4UN2EB	2P	42	8.1	-	27	3	2.5	5	4	3	○
No.4-40UNC	G5	SURZ5UN4HB	2P	46	9	14	26	4	3.2	6	4	4	○
No.6-32UNC	G5	SURZ5UN6JB	2P	52	11	16	29	5	4	7	4	4	○

Hand Taps | Spiral Pointed Taps (for through hole) | Spiral Fluted Taps (for through hole) | Spiral Fluted Taps (for blind hole)

Cemented Carbide Taps

Roll Taps

Special Thread Taps
Simple Inspection Tools

Pipe Taps

Thread Mills

Dies

Center Drills

Centering Tools