

ROLL TAP SERIES



R-Y	R0-1
N+RZ/N-RZ	R0-2
LS-N-RZ	R0-7
N+RS/N-RS	R0-8
LS-N-RS	R0-14

R+V	R0-16
OL+RZ/OL-RZ	R0-18
HP+RZ/HP-RZ	R0-20
SC-TL-RZ	R0-23
SURZ	R0-25

R-Y

Thread Forming Taps for Thin Soft Structural Steel Sheets

Specification

HSS

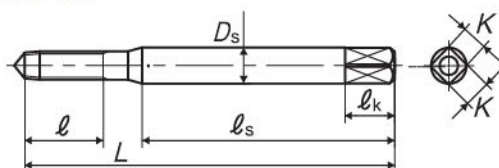
■For tapping general fasteners made from such thin steel sheets as SPC and SPH, and from such soft steels as under SS400 and S20C.

Recommended Tapping Speeds depending on Materials

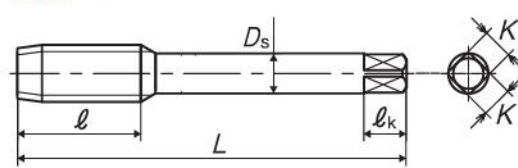
Low carbon steels
低炭鋼
~5
(m/min)

For icon explanation, refer to P.24

TYPE:1



TYPE:2



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)



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+RZ/N-RZ

Thread Forming Taps for Steels

Specification

HSS

OX

Oxide

Recommended Tapping Speeds depending on Materials

Low carbon steels 低炭鋼	Medium carbon steels 中炭鋼
5~15 (m/min)	5~15 (m/min)

For icon explanation, refer to P.24

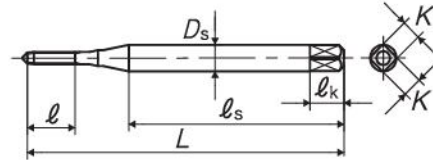
Overall length	Thread length	Thread+Neck length	Shank length	Shank dia.	Size of square	Length of square
L	ℓ	ℓ_n	ℓ_s	Ds	K	ℓ_k



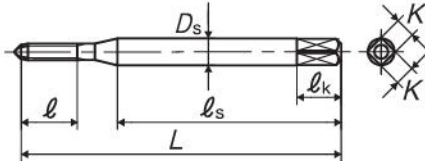
■N+RZ/N-RZ are the forming taps suitable for ferrous materials such as carbon steels, alloy steels, and normal steels.

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

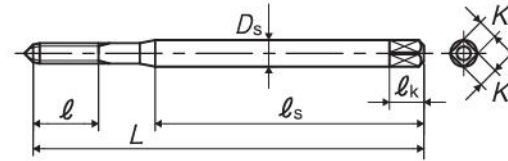
TYPE:1



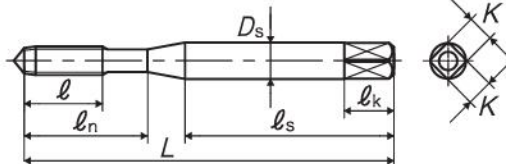
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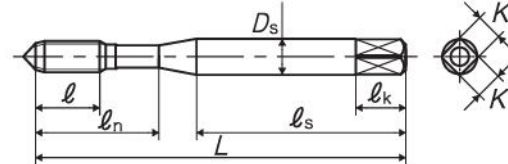
TYPE:3



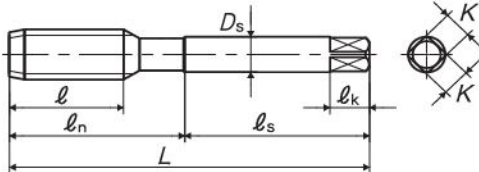
TYPE:4



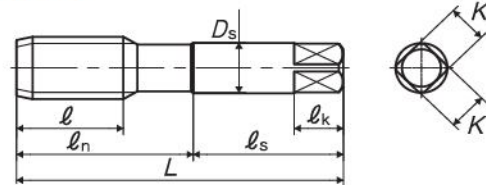
TYPE:5



TYPE:6



TYPE:7



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)	ℓ _n (mm)	ℓ _s (mm)	D _s (mm)	K (mm)	ℓ _k (mm)	Lobe	Type	Stock										
Spiral Fluted Taps (for blind hole)	M6 × 1	G5	NRZP56.0MP	4P	62	15	26	33	6	4.5	7	4	4	△										
			NRZP56.0MB	2P										○										
G6		NRZP66.0MP	4P																					
		NRZP66.0MB	2P																					
G7		NRZP76.0MP	4P																					
		NRZP76.0MB	2P																					
Spiral Fluted Taps (for through hole)	M6 × 0.75	G6	NRZM66.0JP	4P	62	15	26	33	6	4.5	7	4	4	△										
			NRZM66.0JB	2P																				
		G7	NRZM76.0JP	4P																				
			NRZM76.0JB	2P																				
Spiral Pointed Taps (for through hole)		M6 × 0.5	G6	NRZM66.0GP										4P	62	9	26	33	6	4.5	7	4	5	△
				NRZM66.0GB										2P										
Hand Taps	M7 × 1	G7	NRZM77.0MP	4P	70	19	-	36	6.2	5	8	4	6	△										
			NRZM77.0MB	2P																				
Cemented Carbide Taps	M7 × 0.75	G7	NRZM77.0JP	4P	70	19	-	36	6.2	5	8	4	6	△										
			NRZM77.0JB	2P																				
Roll Taps	M8 × 1.25	G7	NRZM78.0NP	4P	70	19	-	36	6.2	5	8	6	6	○										
			NRZM78.0NB	2P																				
		G8	NRZM88.0NP	4P										△										
			NRZM88.0NB	2P																				
Special Thread Taps Simple Inspection Tools	M8 × 1	G7	NRZM78.0MP	4P	70	19	-	36	6.2	5	8	6	6	△										
			NRZM78.0MB	2P																				
Pipe Taps	M8 × 0.75	G7	NRZM78.0JP	4P	70	19	-	36	6.2	5	8	6	6	△										
			NRZM78.0JB	2P																				
	Thread Mills	M10 × 1.5	G7	NRZM70100P	4P	75	23	-	38	7	5.5	8	8	6	△									
				NRZM70100B	2P																			
G8			NRZM80100P	4P																				
			NRZM80100B	2P																				
Dies	M10 × 1.25	G7	NRZM7010NP	4P	75	23	-	38	7	5.5	8	8	6	△										
			NRZM7010NB	2P																				
		G8	NRZM8010NP	4P																				
			NRZM8010NB	2P																				
Center Drills	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																						
	NRZM9012PB	2P																						
Centering Tools	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																						
	NRZM9012NB	2P																						
Centering Tools	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																					
		NRZM0014QB	2P																					

RO-5

236



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

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

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)	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
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

HSS

OX

Oxide

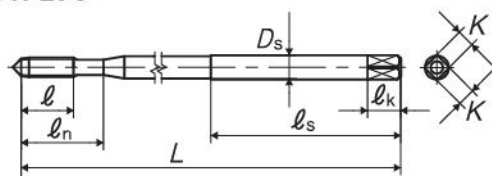
■ LS-N-RZ is the long shank forming tap suitable for ferrous materials such as carbon steels, alloy steels and normal steels.

Recommended Tapping Speeds depending on Materials

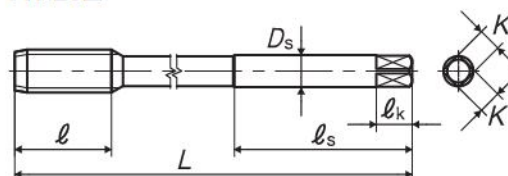
Low carbon steels 低炭鋼	Medium carbon steels 中炭鋼
5~15 (m/min)	5~15 (m/min)

For icon explanation, refer to P.24

TYPE:1



TYPE:2



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	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

Think threads with
YAMAWA

○=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	Ds	K	ℓ_k

N+RS/N-RS

Thread Forming Taps for Non-Ferrous Materials

Specification

HSS

NI

Nitride

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

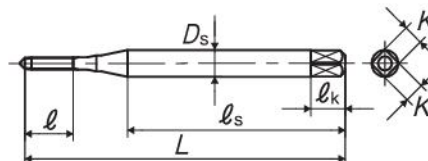
5~15
(m/min)

For icon explanation, refer to P.24

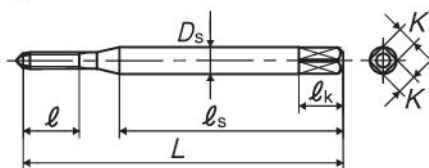
■N+RS/N-RS are the forming taps suitable for non-ferrous materials such as aluminum castings, aluminum diecasting and brass.

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

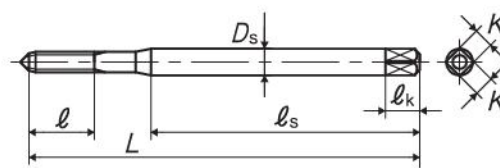
TYPE: 1



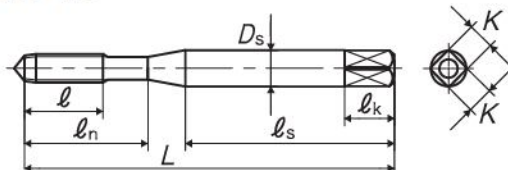
TYPE: 2



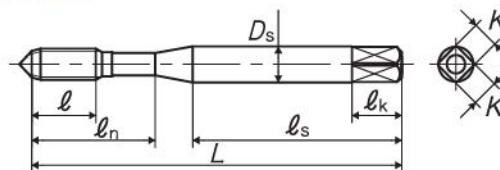
TYPE: 3



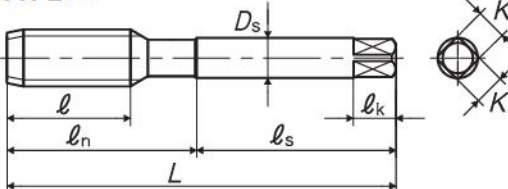
TYPE: 4



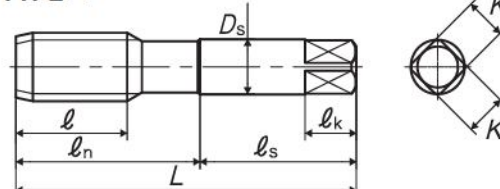
TYPE: 5



TYPE: 6



TYPE: 7



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

Roll Tap Series

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										△

RO-9

240

Think threads with
YAMAWA

⊙=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	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)

Hand Taps
Spiral Pointed Taps
(for through hole)

Cemented
Carbide Taps

Roll Taps

Special Thread Taps
Simple Inspection Tools

Pipe Taps

Thread Mills

Dies

Center Drills

Centering Tools

Roll Tap Series

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
Spiral Fluted Taps (for blind hole)	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										
Spiral Fluted Taps (for through hole)	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										◎
Spiral Pointed Taps (for through hole)	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										
Hand Taps	M6 × 0.5	G6	NRSM66.0GP	4P	62	9	26	33	6	4.5	7	4	5	△
			NRSM66.0GB	2P										
Cemented Carbide Taps	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										
Roll Taps	M7 × 0.75	G7	NRSM77.0JP	4P	70	19	-	36	6.2	5	8	4	6	△
			NRSM77.0JB	2P										
Special Thread Taps Simple Inspection Tools	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										
Pipe Taps	M8 × 1	G7	NRSM78.0MP	4P	70	19	-	36	6.2	5	8	6	6	△
			NRSM78.0MB	2P										
Thread Mills	M8 × 0.75	G7	NRSM78.0JP	4P	70	19	-	36	6.2	5	8	6	6	△
			NRSM78.0JB	2P										
Dies	M10 × 1.5	G7	NRSM70100P	4P	75	23	-	38	7	5.5	8	6	6	○
			NRSM70100B	2P										
		G8	NRSM80100P	4P										
			NRSM80100B	2P										
Center Drills	M10 × 1.25	G7	NRSM7010NP	4P	75	23	-	38	7	5.5	8	6	6	△
			NRSM7010NB	2P										
		G8	NRSM8010NP	4P										
			NRSM8010NB	2P										
Centering Tools	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										
Centering Tools	M12 × 1.5	G8	NRSM80120P	4P	82	26	-	42	8.5	6.5	9	6	6	△
			NRSM80120B	2P										
		G9	NRSM90120P	4P										
			NRSM90120B	2P										
Centering Tools	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	NRSM90140P	4P	88	26	-	45	10.5	8	11	6	6	△
		NRSM90140B	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	NRSM90160P	4P	95	26	-	48	12.5	10	13	6	6	△
		NRSM90160B	2P										
M16 × 1	G8	NRSM8016MP	4P	95	26	-	48	12.5	10	13	6	6	△
		NRSM8016MB	2P										
M18 × 1.5	G9	NRSM90180P	4P	100	33	-	51	14	11	14	6	6	△
		NRSM90180B	2P										
M20 × 2.5	G11	NRSM1020RP	4P	105	33	-	50	15	12	15	6	7	△
		NRSM1020RB	2P										
M20 × 1.5	G9	NRSM90200P	4P	105	33	-	50	15	12	15	6	7	△
		NRSM90200B	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)

Spiral Fluted Taps
(for through hole)

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(for through hole)

Hand Taps

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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	Ds	K	ℓ_k

LS-N-RS

Long Shank Thread Forming Taps for Non-Ferrous Materials

Specification

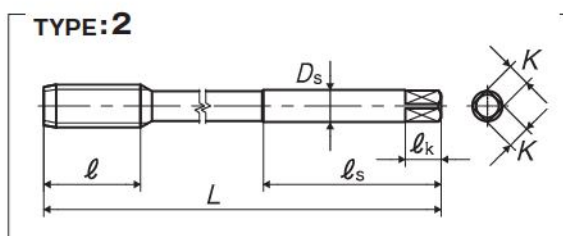
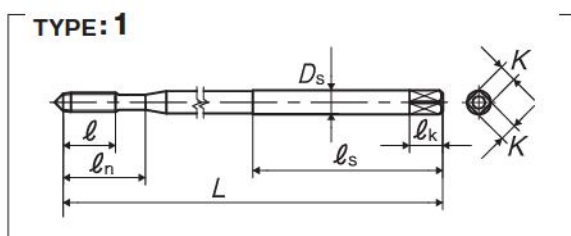


■LS-N-RS is the long shank forming tap suitable for non-ferrous materials such as aluminum castings, aluminum diecasting and brass.

Recommended Tapping Speeds depending on Materials

Wrought aluminum アルミ圧延材	Aluminum alloy castings アルミ合金鋳物	Zinc alloy castings 亜鉛合金鋳物
5~15 (m/min)	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)	ℓ_n (mm)	ℓ_s (mm)	Ds (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									

○=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

RO-14

245

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

Recommended Tapping Speeds depending on Materials

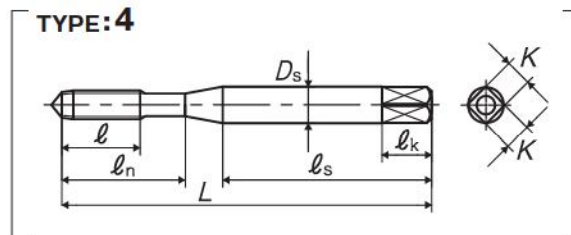
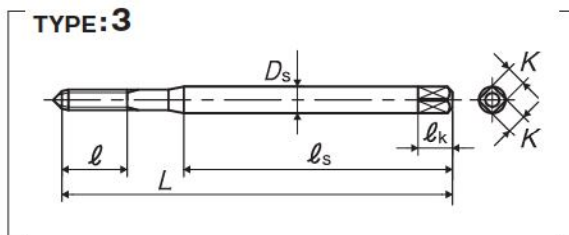
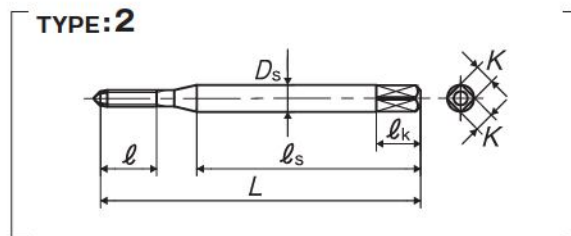
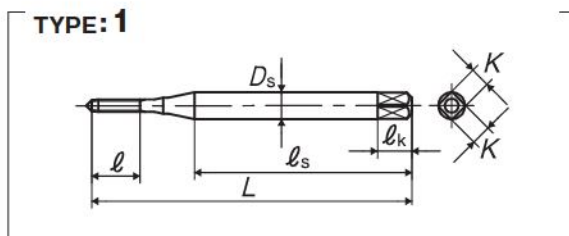
Low carbon steels 低炭鋼	Medium carbon steels 中炭鋼
10~20 (m/min)	10~20 (m/min)

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	Ds	K	ℓ_k



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



Recommended class

Segment : 1J

Size	Class	Code	Chamfer	L (mm)	ℓ (mm)	ℓ_n (mm)	ℓ_s (mm)	Ds (mm)	K (mm)	ℓ_k (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	○

◎=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

RO-16

247

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										△
Spiral Fluted Taps (for through hole)	M2 × 0.4	G4	RVP42.0EP	4P	42	7.2	-	27	3	2.5	5	4	3	◎
			RVP42.0EB	2P										◎
		G5	RVP52.0EP	4P										◎
			RVP52.0EB	2P										◎
Spiral Pointed Taps (for through hole)	M2 × 0.4	G6	RVP62.0EP	4P	42	7.2	-	27	3	2.5	5	4	3	△
			RVP62.0EB	2P										△
		G4	RVP42.3EP	4P										△
			RVP42.3EB	2P										△
Hand Taps	M2.3 × 0.4	G5	RVP52.3EP	4P	42	7.2	-	27	3	2.5	5	4	3	△
			RVP52.3EB	2P										△
		G4	RVP42.3EP	4P										△
			RVP42.3EB	2P										△
Cemented Carbide Taps	M2.5 × 0.45	G5	RVP52.5FP	4P	46	8.1	14	29	3	2.5	5	4	4	○
			RVP52.5FB	2P										○
		G6	RVP62.5FP	4P										△
			RVP62.5FB	2P										△
Roll Taps	M2.6 × 0.45	G5	RVP52.6FP	4P	46	8.1	14	29	3	2.5	5	4	4	◎
			RVP52.6FB	2P										◎
		G6	RVP62.6FP	4P										○
			RVP62.6FB	2P										○
Special Thread Taps Simple Inspection Tools	M3 × 0.5	G5	RVP53.0GP	4P	46	9	14	26	4	3.2	6	4	4	◎
			RVP53.0GB	2P										◎
		G6	RVP63.0GP	4P										○
			RVP63.0GB	2P										○
Pipe Taps	M3 × 0.5	G7	RVP73.0GP	4P	46	9	14	26	4	3.2	6	4	4	○
			RVP73.0GB	2P										○
		G8	RVP83.0GP	4P										△
			RVP83.0GB	2P										△
Thread Mills	M4 × 0.7	G5	RVP54.0IP	4P	52	11	17	29	5	4	7	4	4	△
			RVP54.0IB	2P										△
		G6	RVP64.0IP	4P										◎
			RVP64.0IB	2P										◎
Dies	M4 × 0.7	G7	RVP74.0IP	4P	52	11	17	29	5	4	7	4	4	○
			RVP74.0IB	2P										○
		G8	RVP84.0IP	4P										△
			RVP84.0IB	2P										△
Center Drills	M5 × 0.8	G5	RVP55.0KP	4P	60	13	22	33	5.5	4.5	7	4	4	△
			RVP55.0KB	2P										△
		G6	RVP65.0KP	4P										○
			RVP65.0KB	2P										○
Centering Tools	M5 × 0.8	G7	RVP75.0KP	4P	60	13	22	33	5.5	4.5	7	4	4	○
			RVP75.0KB	2P										○
		G8	RVP85.0KP	4P										△
			RVP85.0KB	2P										△
Centering Tools	M6 × 1	G6	RVP66.0MP	4P	62	15	26	33	6	4.5	7	4	4	○
			RVP66.0MB	2P										○
		G7	RVP76.0MP	4P										○
			RVP76.0MB	2P										○

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	Ds	K	ℓ_k

OL+RZ/OL-RZ

Thread Forming Taps for Dry Tapping, Coated

Specification



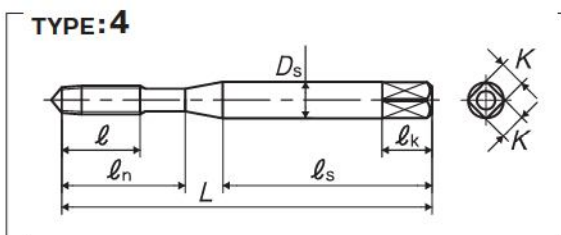
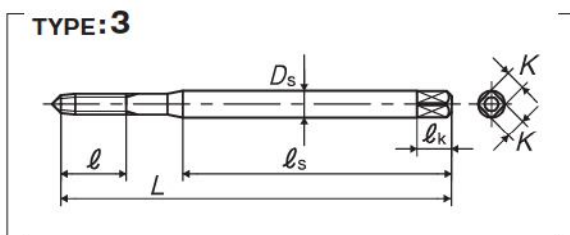
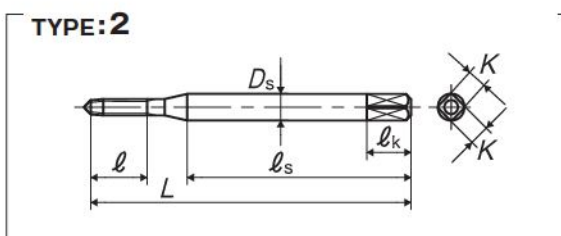
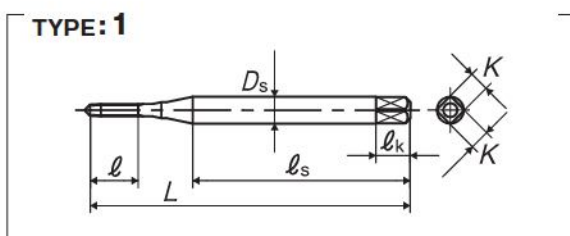
Recommended Tapping Speeds depending on Materials

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

■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.

OL+RZ	all M
OL-RZ	all U



Recommended class

Segment : 1J

Size	Class	Code	Chamfer	L (mm)	ℓ (mm)	ℓ_n (mm)	ℓ_s (mm)	Ds (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

RO-18

249

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	OLRZM6UNCCKP	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 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	Ds	K	ℓ_k

HP+RZ/HP-RZ

High Performance Thread Forming Taps, Coated

Specification



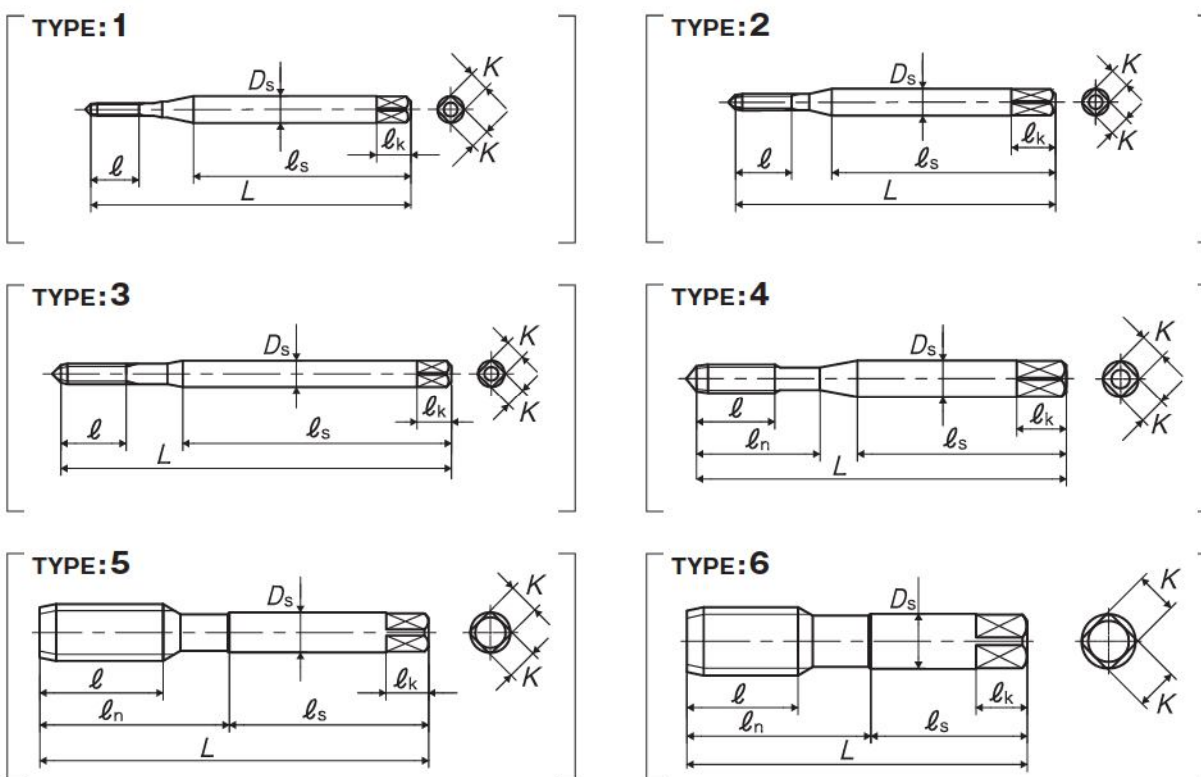
■HP+RZ/HP-RZ are the forming taps suitable for steels (lower than 35HRC) and light alloys, and applicable to the high speed tapping. Optimum coating suitable to the tapping condition.

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)

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)	Ds (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											○

◎=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 Fluted 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

RO-20

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
Spiral Fluted Taps (for blind hole)	M2.6 × 0.45	G5	HRZP52.6FB	2P	46	8.1	14	29	3	2.5	5	4	4	○
		G6	HRZP62.6FB											
Spiral Fluted Taps (for through hole)	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										
Spiral Pointed Taps (for through hole)	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										
Hand Taps	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										
Cemented Carbide Taps	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										
Roll Taps	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										
Special Thread Taps Simple Inspection Tools	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										
Pipe Taps	M10 × 1.5	G7	HRZM70100P	4P	75	23	-	38	7	5.5	8	8	5	○
			HRZM70100B	2P										
		G8	HRZM80100P	4P										△
			HRZM80100B	2P										
Thread Mills	M10 × 1.25	G7	HRZM7010NP	4P	75	23	-	38	7	5.5	8	8	5	○
			HRZM7010NB	2P										
		G8	HRZM8010NP	4P										△
			HRZM8010NB	2P										
Dies	M12 × 1.75	G8	HRZM8012PP	4P	82	26	-	42	8.5	6.5	9	8	5	△
			HRZM8012PB	2P										
		G9	HRZM9012PP	4P										
			HRZM9012PB	2P										
Center Drills	M12 × 1.5	G8	HRZM80120P	4P	82	26	-	42	8.5	6.5	9	8	5	○
			HRZM80120B	2P										
		G9	HRZM90120P	4P										△
			HRZM90120B	2P										
Centering Tools	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	HRZM6UNCCKP	4P	62	15	26	33	6	4.5	7	4	4	△
		HRZM6UNCCKB	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

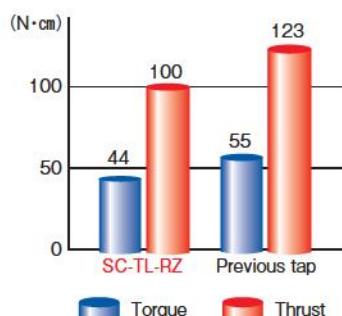
Product features

- 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



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

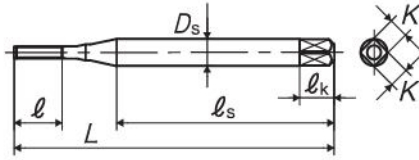
Dies

Center Drills

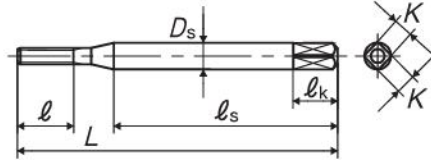
Centering Tools

Overall length	Thread length	Thread+Neck length	Shank length	Shank dia.	Size of square	Length of square
L	ℓ	ℓ_n	ℓ_s	Ds	K	ℓ_k

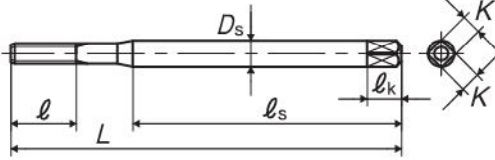
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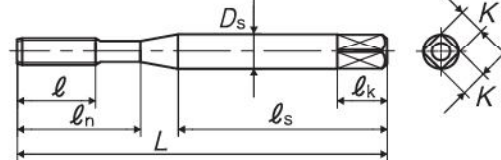
TYPE:2



TYPE:3



TYPE:4



Recommended class

Segment : 1J

Size	Class	Code	Chamfer	L (mm)	ℓ (mm)	ℓ_n (mm)	ℓ_s (mm)	Ds (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)

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	φ 1.85 ~ φ 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	φ 1.84	φ 1.83
Cross section picture of internal threads		
Seam shape	Normal seams remain.	Seams remain a little.
Minor diameter	φ 1.62	φ 1.60

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

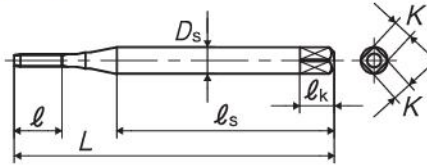
Size	Class	Recommended bored hole size
M1X0.25	G4	0.90
M1.2X0.25	G4	1.10
M1.4X0.3	G4	1.28
M1.6X0.2	G3	1.52
M1.6X0.35	G4	1.46
M1.7X0.35	G4	1.56
M2X0.4	G4	1.62
M2.3X0.4	G4	2.12
M2.5X0.45	G4	2.30
M2.6X0.45	G5	2.40
M3X0.5	G5	2.77
No.2-56UNC	G4	1.98
No.4-40UNC	G5	2.55
No.6-32UNC	G5	3.14

* 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.

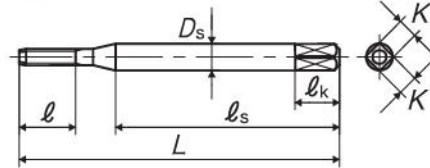
* Recommended bore hole diameter may change because material deformation can slightly change depending on material, hardness, dimension of workpiece and tapping condition.

Overall length	Thread length	Thread+Neck length	Shank length	Shank dia.	Size of square	Length of square
L	ℓ	ℓ_n	ℓ_s	Ds	K	ℓ_k

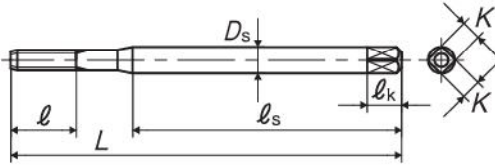
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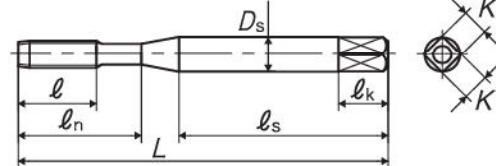
TYPE:2



TYPE:3



TYPE:4



Recommended class

Segment : 1J

Size	Class	Code	Chamfer	L (mm)	ℓ (mm)	ℓ_n (mm)	ℓ_s (mm)	Ds (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)	Ds (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	○

Spiral Fluted Taps
(for blind hole)

Spiral Fluted Taps
(for through hole)

Spiral Fluted Taps
(for through hole)

Hand Taps
Spiral Pointed Taps
(for through hole)

Cemented
Carbide Taps

Roll Taps

Special Thread Taps
Simple Inspection Tools

Pipe Taps

Thread Mills

Dies

Center Drills

Centering Tools