

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

- ① Spiral Fluted Taps (for blind hole)
- ② Spiral Fluted Taps (for through hole)
- ③ Spiral Pointed Taps (for through hole)
- ④ Hand Taps
- ⑤ Cemented Carbide Taps
- ⑥ Roll Taps
- ⑦ Special Thread Taps Simple Inspection Tools
- ⑧ Pipe Taps
- ⑨ Thread Mills
- ⑩ Dies
- ⑪ Center Drills Centering Tools



## N-RS STI



Roll Taps for Nonferrous Materials (for Helical Coil Wire Screw Thread Inserts)

### Specification

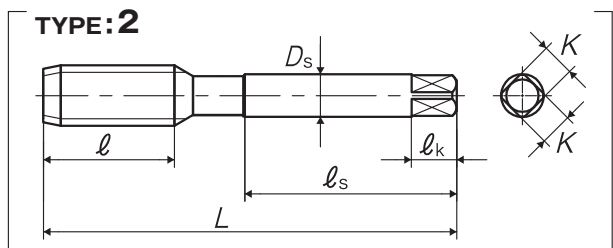
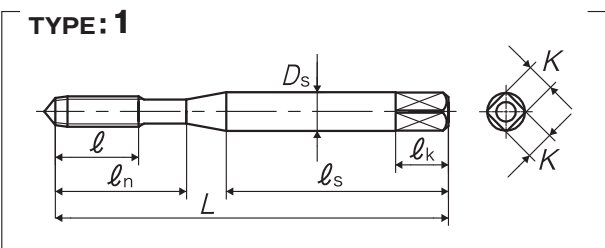


The roll tap is used to cut a comparatively soft material, such as aluminum, and taps an internal thread for accommodating a helical coil wire screw thread insert, in order to reinforce the internal thread and increase durability.

### 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
<b>5~15</b> (m/min)	<b>5~15</b> (m/min)	<b>5~15</b> (m/min)

For icon explanation, refer to icon-1



No. of oil grooves: STI metric thread: 1  
For M6 or less, the chamfer-2P convex center is removed.

Recommended class  
Segment: 1J

Size	Class	Code	Chamfer	Basic major dia (mm)	L (mm)	ℓ (mm)	ℓn (mm)	ℓs (mm)	Ds (mm)	K (mm)	ℓk (mm)	Lobe	TYPE	MSRP
For Metric Threads														
M3 × 0.5	G3	RW3.0G3LENP	4P	3.650	52	7.5	17	29	5	4	7	4	1	¥ 2,850*
M3 × 0.5	G3	RW3.0G3LENB	2P	3.650	52	7.5	17	29	5	4	7	4	1	¥ 2,850*
M4 × 0.7	G4	RW4.0I4LENP	4P	4.909	60	13	22	33	5.5	4.5	7	4	1	¥ 2,730*
M4 × 0.7	G4	RW4.0I4LENB	2P	4.909	60	13	22	33	5.5	4.5	7	4	1	¥ 2,730*
M5 × 0.8	G4	RW5.0K4LENP	4P	6.039	62	15	26	33	6	4.5	7	4	1	¥ 2,600*
M5 × 0.8	G4	RW5.0K4LENB	2P	6.039	62	15	26	33	6	4.5	7	4	1	¥ 2,600*
M6 × 1	G4	RW6.0M4LENP	4P	7.299	70	19	-	36	6.2	5	8	4	2	¥ 2,680*
M6 × 1	G4	RW6.0M4LENB	2P	7.299	70	19	-	36	6.2	5	8	4	2	¥ 2,680*
M8 × 1.25	G4	RW8.0N4LENP	4P	9.624	75	23	-	38	7	5.5	8	6	2	¥ 3,820*
M8 × 1.25	G4	RW8.0N4LENB	2P	9.624	75	23	-	38	7	5.5	8	6	2	¥ 3,820*
M10 × 1.5	G5	RW01005LENP	4P	11.948	82	26	-	42	8.5	6.5	9	6	2	¥ 5,120*
M10 × 1.5	G5	RW01005LENB	2P	11.948	82	26	-	42	8.5	6.5	9	6	2	¥ 5,120*
M10 × 1.25	G5	RW010N5LENP	4P	11.624	82	26	-	42	8.5	6.5	9	6	2	¥ 5,120*
M10 × 1.25	G5	RW010N5LENB	2P	11.624	82	26	-	42	8.5	6.5	9	6	2	¥ 5,120*
M12 × 1.75	G6	RW012P6LENP	4P	14.273	95	26	-	48	12.5	10	13	6	2	¥ 7,060*
M12 × 1.75	G6	RW012P6LENB	2P	14.273	95	26	-	48	12.5	10	13	6	2	¥ 7,060*
M12 × 1.5	G6	RW01206LENP	4P	13.948	88	26	-	45	10.5	8	11	6	2	¥ 7,060*
M12 × 1.5	G6	RW01206LENB	2P	13.948	88	26	-	45	10.5	8	11	6	2	¥ 7,060*
M12 × 1.25	G6	RW012N6LENP	4P	13.624	88	26	-	45	10.5	8	11	6	2	¥ 7,060*
M12 × 1.25	G6	RW012N6LENB	2P	13.624	88	26	-	45	10.5	8	11	6	2	¥ 7,060*

\* = Specified Distribution Items. Made to order products.  
For improvement, spec may change without advance notice.