

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

7

JIS

N-RS STI

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



Specification

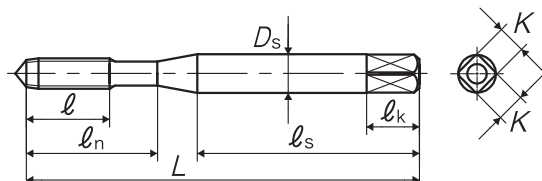


Tapping Speeds depending on Materials

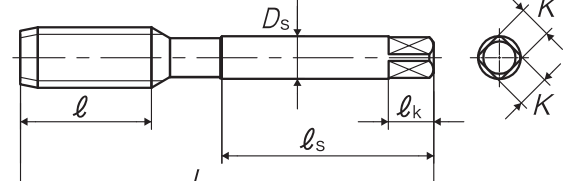
Wrought aluminum アルミ圧延材	Aluminum alloy castings アルミ合金鋳物	Zinc alloy castings 亜鉛合金鋳物
5~15 (m/min)	5~15 (m/min)	5~15 (m/min)

- 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.
- Diameter of the internal screw threads into which the insert coil is inserted, is larger than that of the corresponding external screw threads by the thickness of the coil. Therefore, the internal screw thread diameter of the insert coil thread tap is also larger than its nominal diameter.
- The bored hole size needs to be also larger. Make sure to prepare an appropriate bored hole size before tapping.
- The shank diameter is also larger. Make sure to use an appropriate tap holder.

TYPE: 1



TYPE: 2


Spiral Fluted Taps
(for blind hole) ①

Spiral Fluted Taps
(for through hole) ②

Spiral Pointed Taps
(for through hole) ③

Hand Taps ④

Cemented
Carbide Taps ⑤

Roll Taps ⑥

Special Thread Taps
Simple Inspection Tools ⑦

Pipe Taps ⑧

Thread Mills
Premium Thread Mills ⑨

Dies ⑩

Center Drills
Centering Tools ⑪

Precision Machinery/
Metal Surgical Instruments ⑫

JIS ⑦-28

: Recommended class

Segment : 1J

Size	Class	Code	Chamfer	Basic major dia (mm)	L (mm)	ℓ (mm)	ℓ_n (mm)	ℓ_s (mm)	Ds (mm)	K (mm)	ℓ_k (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	¥ 3,050*
M3 × 0.5	G3	RW3.0G3LENB	2P	3.650	52	7.5	17	29	5	4	7	4	1	¥ 3,050*
M4 × 0.7	G4	RW4.0I4LENP	4P	4.909	60	13	22	33	5.5	4.5	7	4	1	¥ 2,930*
M4 × 0.7	G4	RW4.0I4LENB	2P	4.909	60	13	22	33	5.5	4.5	7	4	1	¥ 2,930*
M5 × 0.8	G4	RW5.0K4LENP	4P	6.039	62	15	26	33	6	4.5	7	4	1	¥ 2,790*
M5 × 0.8	G4	RW5.0K4LENB	2P	6.039	62	15	26	33	6	4.5	7	4	1	¥ 2,790*
M6 × 1	G4	RW6.0M4LENP	4P	7.299	70	19	-	36	6.2	5	8	4	2	¥ 2,870*
M6 × 1	G4	RW6.0M4LENB	2P	7.299	70	19	-	36	6.2	5	8	4	2	¥ 2,870*
M8 × 1.25	G4	RW8.0N4LENP	4P	9.624	75	23	-	38	7	5.5	8	6	2	¥ 4,020*
M8 × 1.25	G4	RW8.0N4LENB	2P	9.624	75	23	-	38	7	5.5	8	6	2	¥ 4,020*
M10 × 1.5	G5	RW010O5LENP	4P	11.948	82	26	-	42	8.5	6.5	9	6	2	¥ 5,380*
M10 × 1.5	G5	RW010O5LENB	2P	11.948	82	26	-	42	8.5	6.5	9	6	2	¥ 5,380*
M10 × 1.25	G5	RW010N5LENP	4P	11.624	82	26	-	42	8.5	6.5	9	6	2	¥ 5,380*
M10 × 1.25	G5	RW010N5LENB	2P	11.624	82	26	-	42	8.5	6.5	9	6	2	¥ 5,380*
M12 × 1.75	G6	RW012P6LENP	4P	14.273	95	26	-	48	12.5	10	13	6	2	¥ 7,420*
M12 × 1.75	G6	RW012P6LENB	2P	14.273	95	26	-	48	12.5	10	13	6	2	¥ 7,420*
M12 × 1.5	G6	RW012O6LENP	4P	13.948	88	26	-	45	10.5	8	11	6	2	¥ 7,420*
M12 × 1.5	G6	RW012O6LENB	2P	13.948	88	26	-	45	10.5	8	11	6	2	¥ 7,420*
M12 × 1.25	G6	RW012N6LENP	4P	13.624	88	26	-	45	10.5	8	11	6	2	¥ 7,420*
M12 × 1.25	G6	RW012N6LENB	2P	13.624	88	26	-	45	10.5	8	11	6	2	¥ 7,420*

No. of oil grooves: STI metric thread: 1

For M6 or less, the chamfer-2P convex center is removed.

※ = Specified Distribution Items. Made to order products.

Think threads with
YAMAWA