

5 Cemented Carbide Tap Series

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

JIS

① Spiral Fluted Taps (for blind hole)

② Spiral Fluted Taps (for through hole)

③ Spiral Pointed Taps (for through hole)

④ Hand Taps

⑤ Cemented Carbide Taps

⑥ Roll Taps

⑦ Special Thread Taps (Simple inspection tools)

⑧ Pipe Taps

⑨ Thread Mills (Premium Thread Mills)

⑩ Dies

⑪ Center Drills (Centering Tools)

⑫ Precision Machinery/ Medical Surgical Instruments

⑤-3



N-CT LA

Carbide Taps for Light Alloys



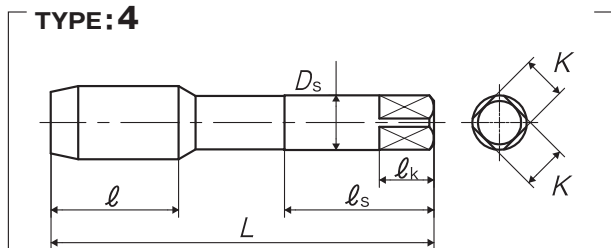
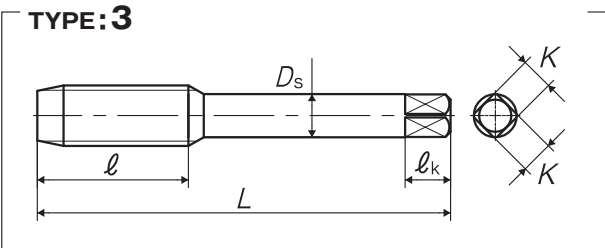
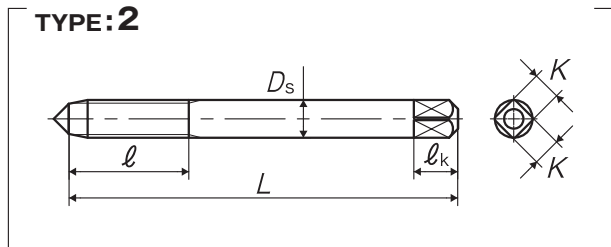
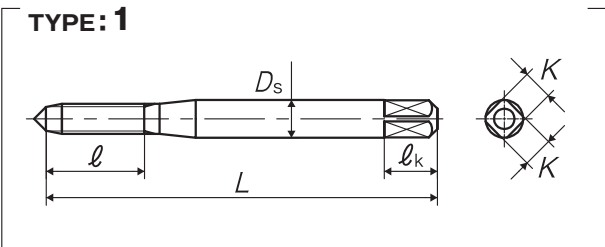
Specification



■ N-CT LA is the carbide tap suitable for tapping aluminum castings (AC), aluminum die castings (ADC), and zinc diecastings (ZDC). For volume production.

Tapping Speeds depending on Materials

Aluminum alloy castings アルミ合金鋳物	Zinc alloy castings 亜鉛合金鋳物
10~20 (m/min)	10~20 (m/min)



Segment : 1L

Size	Class	Code	Chamfer	L (mm)	ℓ (mm)	ℓs (mm)	Ds (mm)	K (mm)	ℓk (mm)	No. of flutes	TYPE	MSRP
For Metric Threads												
M1.4 × 0.3	P3	TCNR1.4C3A	3P	34	7	-	3	2.5	5	3	1	¥ 18,700*
M1.4 × 0.3	P3	TCNR1.4C1A	1.5P	34	7	-	3	2.5	5	3	1	¥ 18,700*
M1.6 × 0.35	P3	TCNR1.6D3A	3P	36	8	-	3	2.5	5	3	1	¥ 16,600*
M1.6 × 0.35	P3	TCNR1.6D1A	1.5P	36	8	-	3	2.5	5	3	1	¥ 16,600*
M1.7 × 0.35	P3	TCNR1.7D3A	3P	36	8	-	3	2.5	5	3	1	¥ 16,600*
M1.7 × 0.35	P3	TCNR1.7D1A	1.5P	36	8	-	3	2.5	5	3	1	¥ 16,600*
M2 × 0.4	P3	TCNR2.0E3A	3P	40	8	-	3	2.5	5	3	1	¥ 15,200
M2 × 0.4	P3	TCNR2.0E1A	1.5P	40	8	-	3	2.5	5	3	1	¥ 15,200
M2.2 × 0.45	P3	TCNR2.2F3A	3P	42	9.5	-	3	2.5	5	3	1	¥ 14,500*
M2.2 × 0.45	P3	TCNR2.2F1A	1.5P	42	9.5	-	3	2.5	5	3	1	¥ 14,500*
M2.3 × 0.4	P3	TCNR2.3E3A	3P	42	8	-	3	2.5	5	3	1	¥ 14,500*
M2.3 × 0.4	P3	TCNR2.3E1A	1.5P	42	8	-	3	2.5	5	3	1	¥ 14,500*
M2.5 × 0.45	P3	TCNR2.5F3A	3P	44	9.5	-	3	2.5	5	3	1	¥ 14,400*
M2.5 × 0.45	P3	TCNR2.5F1A	1.5P	44	9.5	-	3	2.5	5	3	1	¥ 14,400*
M2.6 × 0.45	P3	TCNR2.6F3A	3P	44	9.5	-	3	2.5	5	3	1	¥ 14,400*



* = Specified Distribution Items. Made to order products.

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

5

JIS

Size	Class	Code	Chamfer	L (mm)	ℓ (mm)	ℓs (mm)	Ds (mm)	K (mm)	ℓk (mm)	No. of flutes	TYPE	MSRP
M2.6 × 0.45	P3	TCNR2.6F1A	1.5P	44	9.5	-	3	2.5	5	3	1	¥ 14,400*
M3 × 0.5	P3	TCNR3.0G3A	3P	46	11	-	4	3.2	6	3	1	¥ 14,000
M3 × 0.5	P3	TCNR3.0G1A	1.5P	46	11	-	4	3.2	6	3	1	¥ 14,000
M3.5 × 0.6	P3	TCNR3.5H3A	3P	48	11	-	4	3.2	6	3	1	¥ 14,700*
M3.5 × 0.6	P3	TCNR3.5H1A	1.5P	48	11	-	4	3.2	6	3	1	¥ 14,700*
M4 × 0.7	P3	TCNR4.0I3A	3P	52	13	-	5	4	7	3	1	¥ 14,700
M4 × 0.7	P3	TCNR4.0I1A	1.5P	52	13	-	5	4	7	3	1	¥ 14,700
M4 × 0.5	P3	TCNR4.0G3A	3P	52	11	-	5	4	7	3	1	¥ 16,400*
M4 × 0.5	P3	TCNR4.0G1A	1.5P	52	11	-	5	4	7	3	1	¥ 16,400*
M5 × 0.8	P3	TCNR5.0K3A	3P	60	16	-	5.5	4.5	7	3	1	¥ 15,500
M5 × 0.8	P3	TCNR5.0K1A	1.5P	60	16	-	5.5	4.5	7	3	1	¥ 15,500
M5 × 0.5	P3	TCNR5.0G3A	3P	52	11	-	5.5	4.5	7	3	1	¥ 16,700*
M5 × 0.5	P3	TCNR5.0G1A	1.5P	52	11	-	5.5	4.5	7	3	1	¥ 16,700*
M6 × 1	P3	TCNR6.0M3A	3P	62	19	-	6	4.5	7	3	2	¥ 16,600
M6 × 1	P3	TCNR6.0M1A	1.5P	62	19	-	6	4.5	7	3	2	¥ 16,600
M6 × 0.75	P3	TCNR6.0J3A	3P	62	13	-	6	4.5	7	3	2	¥ 18,300*
M6 × 0.75	P3	TCNR6.0J1A	1.5P	62	13	-	6	4.5	7	3	2	¥ 18,300*
M6 × 0.5	P3	TCNR6.0G3A	3P	55	11	-	6	4.5	7	3	2	¥ 21,400*
M6 × 0.5	P3	TCNR6.0G1A	1.5P	55	11	-	6	4.5	7	3	2	¥ 21,400*
M7 × 1	P3	TCNR7.0M3A	3P	65	19	-	6.2	5	8	3	3	¥ 21,600*
M7 × 1	P3	TCNR7.0M1A	1.5P	65	19	-	6.2	5	8	3	3	¥ 21,600*
M7 × 0.75	P3	TCNR7.0J3A	3P	62	13	-	6.2	5	8	3	3	¥ 23,400*
M7 × 0.75	P3	TCNR7.0J1A	1.5P	62	13	-	6.2	5	8	3	3	¥ 23,400*
M8 × 1.25	P3	TCNR8.0N3A	3P	70	22	-	6.2	5	8	3	3	¥ 21,600
M8 × 1.25	P3	TCNR8.0N1A	1.5P	70	22	-	6.2	5	8	3	3	¥ 21,600
M8 × 1.25	P4	TCNS8.0N3A	3P	70	22	-	6.2	5	8	3	3	¥ 21,600*
M8 × 1.25	P4	TCNS8.0N1A	1.5P	70	22	-	6.2	5	8	3	3	¥ 21,600*
M8 × 1	P3	TCNR8.0M3A	3P	70	19	-	6.2	5	8	3	3	¥ 21,600
M8 × 1	P3	TCNR8.0M1A	1.5P	70	19	-	6.2	5	8	3	3	¥ 21,600
M8 × 0.75	P3	TCNR8.0J3A	3P	62	13	-	6.2	5	8	3	3	¥ 23,400*
M8 × 0.75	P3	TCNR8.0J1A	1.5P	62	13	-	6.2	5	8	3	3	¥ 23,400*
M10 × 1.5	P3	TCNR010O3A	3P	75	24	-	7	5.5	8	3	3	¥ 29,300*
M10 × 1.5	P3	TCNR010O1A	1.5P	75	24	-	7	5.5	8	3	3	¥ 29,300*
M10 × 1.5	P4	TCNS010O3A	3P	75	24	-	7	5.5	8	3	3	¥ 29,300*
M10 × 1.5	P4	TCNS010O1A	1.5P	75	24	-	7	5.5	8	3	3	¥ 29,300*
M10 × 1.25	P3	TCNR010N3A	3P	75	22	-	7	5.5	8	3	3	¥ 29,300
M10 × 1.25	P3	TCNR010N1A	1.5P	75	22	-	7	5.5	8	3	3	¥ 29,300
M10 × 1.25	P4	TCNS010N3A	3P	75	22	-	7	5.5	8	3	3	¥ 29,300*
M10 × 1.25	P4	TCNS010N1A	1.5P	75	22	-	7	5.5	8	3	3	¥ 29,300*
M10 × 1	P3	TCNR010M3A	3P	70	19	-	7	5.5	8	3	3	¥ 29,300*
M10 × 1	P3	TCNR010M1A	1.5P	70	19	-	7	5.5	8	3	3	¥ 29,300*
M10 × 1	P4	TCNS010M3A	3P	70	19	-	7	5.5	8	3	3	¥ 29,300*
M10 × 1	P4	TCNS010M1A	1.5P	70	19	-	7	5.5	8	3	3	¥ 29,300*
M12 × 1.75	P3	TCNR012P3A	3P	82	30	-	8.5	6.5	9	3	3	¥ 38,900*
M12 × 1.75	P3	TCNR012P1A	1.5P	82	30	-	8.5	6.5	9	3	3	¥ 38,900*
M12 × 1.75	P4	TCNS012P3A	3P	82	30	-	8.5	6.5	9	3	3	¥ 38,900*
M12 × 1.75	P4	TCNS012P1A	1.5P	82	30	-	8.5	6.5	9	3	3	¥ 38,900*
M12 × 1.5	P3	TCNR012O3A	3P	82	24	-	8.5	6.5	9	3	3	¥ 38,900*
M12 × 1.5	P3	TCNR012O1A	1.5P	82	24	-	8.5	6.5	9	3	3	¥ 38,900*
M12 × 1.5	P4	TCNS012O3A	3P	82	24	-	8.5	6.5	9	3	3	¥ 38,900*

Spiral Fluted Taps
(for blind hole) ①Spiral Fluted Taps
(for through hole) ②Spiral Pointed Taps
(for through hole) ③Hand Taps
(for through hole) 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 ⑪Precision Machinery/
Metal Surgical Instruments ⑫

* = Specified Distribution Items. Made to order products.

Think threads with
YAMAWA

JIS

⑤-4

5 Cemented Carbide Tap Series

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

JIS

N-CT LA Carbide Taps for Light Alloys

Size	Class	Code	Chamfer	L (mm)	ℓ (mm)	ℓs (mm)	Ds (mm)	K (mm)	ℓk (mm)	No. of flutes	TYPE	MSRP
M12 × 1.5	P4	TCNS012O1A	1.5P	82	24	-	8.5	6.5	9	3	3	¥ 38,900 [*]
M12 × 1.25	P3	TCNR012N3A	3P	80	22	-	8.5	6.5	9	3	3	¥ 38,900
M12 × 1.25	P3	TCNR012N1A	1.5P	80	22	-	8.5	6.5	9	3	3	¥ 38,900
M12 × 1.25	P4	TCNS012N3A	3P	80	22	-	8.5	6.5	9	3	3	¥ 38,900 [*]
M12 × 1.25	P4	TCNS012N1A	1.5P	80	22	-	8.5	6.5	9	3	3	¥ 38,900 [*]
M12 × 1	P3	TCNR012M3A	3P	70	19	-	8.5	6.5	9	3	3	¥ 42,900 [*]
M12 × 1	P3	TCNR012M1A	1.5P	70	19	-	8.5	6.5	9	3	3	¥ 42,900 [*]
M14 × 2	P3	TCNR014Q3A	3P	88	30	34	10.5	8	11	4	4	¥ 40,200 [*]
M14 × 2	P3	TCNR014Q1A	1.5P	88	30	34	10.5	8	11	4	4	¥ 40,200 [*]
M14 × 2	P4	TCNS014Q3A	3P	88	30	34	10.5	8	11	4	4	¥ 40,200 [*]
M14 × 2	P4	TCNS014Q1A	1.5P	88	30	34	10.5	8	11	4	4	¥ 40,200 [*]
M14 × 1.5	P3	TCNR014O3A	3P	88	24	34	10.5	8	11	4	4	¥ 40,200 [*]
M14 × 1.5	P3	TCNR014O1A	1.5P	88	24	34	10.5	8	11	4	4	¥ 40,200 [*]
M14 × 1.5	P4	TCNS014O3A	3P	88	24	34	10.5	8	11	4	4	¥ 40,200 [*]
M14 × 1.5	P4	TCNS014O1A	1.5P	88	24	34	10.5	8	11	4	4	¥ 40,200 [*]
M14 × 1.25	P3	TCNR014N3A	3P	88	22	34	10.5	8	11	4	4	¥ 43,900 [*]
M14 × 1.25	P3	TCNR014N1A	1.5P	88	22	34	10.5	8	11	4	4	¥ 43,900 [*]
M14 × 1	P3	TCNR014M3A	3P	70	19	37	10.5	8	11	4	4	¥ 43,900 [*]
M14 × 1	P3	TCNR014M1A	1.5P	70	19	37	10.5	8	11	4	4	¥ 43,900 [*]
M14 × 1	P4	TCNS014M3A	3P	70	19	37	10.5	8	11	4	4	¥ 43,900 [*]
M14 × 1	P4	TCNS014M1A	1.5P	70	19	37	10.5	8	11	4	4	¥ 43,900 [*]
M16 × 2	P4	TCNS016Q3A	3P	95	30	37	12.5	10	13	4	4	¥ 48,900 [*]
M16 × 2	P4	TCNS016Q1A	1.5P	95	30	37	12.5	10	13	4	4	¥ 48,900 [*]
M16 × 1.5	P3	TCNR016O3A	3P	95	24	37	12.5	10	13	4	4	¥ 48,900 [*]
M16 × 1.5	P3	TCNR016O1A	1.5P	95	24	37	12.5	10	13	4	4	¥ 48,900 [*]
M16 × 1.5	P4	TCNS016O3A	3P	95	24	37	12.5	10	13	4	4	¥ 48,900 [*]
M16 × 1.5	P4	TCNS016O1A	1.5P	95	24	37	12.5	10	13	4	4	¥ 48,900 [*]
M16 × 1	P3	TCNR016M3A	3P	75	19	41	12.5	10	13	4	4	¥ 52,200 [*]
M16 × 1	P3	TCNR016M1A	1.5P	75	19	41	12.5	10	13	4	4	¥ 52,200 [*]
M18 × 2.5	P4	TCNS018R3A	3P	100	35	38	14	11	14	4	4	¥ 57,600 [*]
M18 × 2.5	P4	TCNS018R1A	1.5P	100	35	38	14	11	14	4	4	¥ 57,600 [*]
M18 × 1.5	P4	TCNS018O3A	3P	95	24	43	14	11	14	4	4	¥ 57,600 [*]
M18 × 1.5	P4	TCNS018O1A	1.5P	95	24	43	14	11	14	4	4	¥ 57,600 [*]
M20 × 2.5	P4	TCNS020R3A	3P	105	35	41	15	12	15	4	4	¥ 67,900 [*]
M20 × 2.5	P4	TCNS020R1A	1.5P	105	35	41	15	12	15	4	4	¥ 67,900 [*]
M20 × 1.5	P4	TCNS020O3A	3P	95	24	43	15	12	15	4	4	¥ 67,900 [*]
M20 × 1.5	P4	TCNS020O1A	1.5P	95	24	43	15	12	15	4	4	¥ 67,900 [*]

- ① Spiral Fluted Taps (for blind hole)
- ② Spiral Fluted Taps (for through hole)
- ③ Spiral Pointed Taps (for through hole)
- ④ Hand Taps
- ⑤ Cemented Carbide Taps
- ⑥ Roll Taps
- ⑦ Special Thread Taps (Simple Inspection Tools)
- ⑧ Pipe Taps
- ⑨ Thread Mills (Premium Thread Mills)
- ⑩ Dies
- ⑪ Center Drills (Centering Tools)
- ⑫ Precision Machinery/ Medical Surgical Instruments

JIS



* = Specified Distribution Items. Made to order products.