

1 Spiral Fluted Tap Series for blind hole

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

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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

①-35

Z-PRO HVSP LH

Z-PRO

Hybrid Value Spiral Fluted Taps for Steel for Left Hand Threads



Specification

HSS

OX
Oxide



LH
Left hand

■ Hybrid value spiral fluted tap for steel for left-hand thread with improved chip ejection efficiency and greater chipping resistance.

Tapping Speeds depending on Materials

Low carbon steels
低炭素鋼
3~12
(m/min)

Medium carbon steels
中炭素鋼
3~12
(m/min)

High carbon steels
高炭素鋼
3~12
(m/min)

Alloy steels
合金鋼
3~12
(m/min)

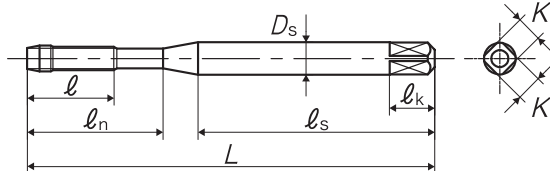
Thermal refined steels
調質鋼
~5
(m/min)

Stainless steels
ステンレス鋼
~5
(m/min)

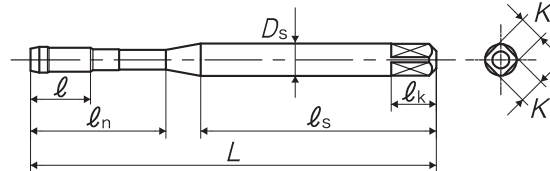
Cast steels
鋳鋼
3~12
(m/min)

25~35HRC

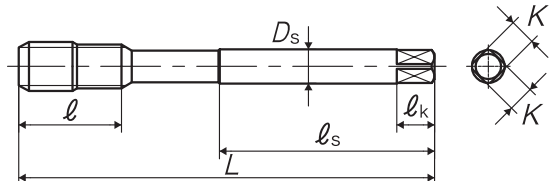
TYPE: 1



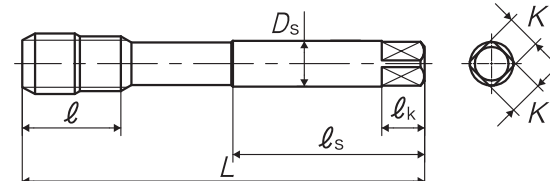
TYPE: 2



TYPE: 3



TYPE: 4



Segment : 1C

Size	Class	Code	Chamfer	L (mm)	ℓ (mm)	ℓ _n (mm)	ℓ _s (mm)	D _s (mm)	K (mm)	ℓ _k (mm)	No. of flutes	TYPE	MSRP
For Metric Threads													
M2 × 0.4	P2	1116102021	C (2.5P)	45	8	15	27	3	2.5	5	2	1	¥ 3,730 ※
M2.3 × 0.4	P2	1116102026	C (2.5P)	45	9	15	27	3	2.5	5	2	1	¥ 3,600 ※
M2.5 × 0.45	P2	1116102029	C (2.5P)	50	8	15	32	3	2.5	5	2	1	¥ 3,040 ※
M2.6 × 0.45	P2	1116102032	C (2.5P)	50	8	15	32	3	2.5	5	2	1	¥ 3,040 ※
M3 × 0.5	P3	1116102035	C (2.5P)	56	9	18	32	4	3.2	6	3	1	¥ 2,010
M3 × 0.35	P3	1116102036	C (2.5P)	56	6.5	18	32	4	3.2	6	3	2	¥ 3,430 ※
M4 × 0.7	P4	1116102042	C (2.5P)	63	13	21	36	5	4	7	3	1	¥ 2,010
M4 × 0.5	P4	1116102043	C (2.5P)	63	9	21	36	5	4	7	3	2	¥ 2,940 ※
M5 × 0.8	P4	1116102049	C (2.5P)	70	14	25	40	5.5	4.5	7	3	1	¥ 2,030
M5 × 0.5	P4	1116102051	C (2.5P)	70	9	25	40	5.5	4.5	7	3	2	¥ 2,940 ※
M6 × 1	P4	1116102055	C (2.5P)	80	15	30	45	6	4.5	7	3	1	¥ 2,310
M6 × 0.75	P4	1116102056	C (2.5P)	80	15	30	45	6	4.5	7	3	1	¥ 3,260 ※
M6 × 0.5	P4	1116102057	C (2.5P)	80	9	30	45	6	4.5	7	3	2	¥ 3,260 ※
M8 × 1.25	P4	1116102064	C (2.5P)	90	19	-	46	6.2	5	8	3	3	¥ 3,180
M8 × 1	P4	1116102065	C (2.5P)	90	19	-	46	6.2	5	8	3	3	¥ 3,620 ※
M10 × 1.5	P4	1116102078	C (2.5P)	100	23	-	51	7	5.5	8	3	3	¥ 4,160
M10 × 1.25	P4	1116102079	C (2.5P)	100	23	-	51	7	5.5	8	3	3	¥ 4,160

Think threads with
YAMAWA

※ = Specified Distribution Items. Made to order products.

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

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Size	Class	Code	Chamfer	L (mm)	ℓ (mm)	ℓn (mm)	ℓs (mm)	Ds (mm)	K (mm)	ℓk (mm)	No. of flutes	TYPE	MSRP
M10 × 1	P4	1116102080	C (2.5P)	100	23	-	51	7	5.5	8	3	3	¥ 4,930 ※
M12 × 1.75	P4	1116102088	C (2.5P)	110	26	-	56	8.5	6.5	9	3	3	¥ 5,600
M12 × 1.5	P4	1116102089	C (2.5P)	110	26	-	56	8.5	6.5	9	3	3	¥ 5,600 ※
M12 × 1.25	P4	1116102090	C (2.5P)	110	26	-	56	8.5	6.5	9	3	3	¥ 5,600 ※
M14 × 2	P4	1116102100	C (2.5P)	110	26	-	56	10.5	8	11	3	3	¥ 7,900 ※
M14 × 1.5	P4	1116102102	C (2.5P)	110	26	-	56	10.5	8	11	3	3	¥ 7,900 ※
M16 × 2	P4	1116102114	C (2.5P)	110	26	-	56	12.5	10	13	3	3	¥ 10,300
M16 × 1.5	P4	1116102116	C (2.5P)	110	26	-	56	12.5	10	13	3	3	¥ 10,300 ※
M18 × 2.5	P5	1116102128	C (2.5P)	125	33	-	64	14	11	14	4	3	¥ 14,200 ※
M18 × 1.5	P5	1116102130	C (2.5P)	125	33	-	64	14	11	14	4	3	¥ 14,200 ※
M20 × 2.5	P5	1116102141	C (2.5P)	140	33	-	71	15	12	15	4	4	¥ 19,200
M20 × 1.5	P5	1116102144	C (2.5P)	140	33	-	71	15	12	15	4	4	¥ 19,200 ※
M22 × 2.5	P5	1116102156	C (2.5P)	140	33	-	71	17	13	16	4	4	¥ 24,400 ※
M22 × 1.5	P5	1116102158	C (2.5P)	140	33	-	71	17	13	16	4	4	¥ 24,400 ※
M24 × 3	P5	1116102167	C (2.5P)	160	37	-	82	19	15	18	4	4	¥ 30,400
M24 × 1.5	P5	1116102170	C (2.5P)	160	37	-	82	19	15	18	4	4	¥ 30,400 ※
For Unified Threads													
No.5-40UNC	P2	1116104021	C (2.5P)	63	5	19	36	5	4	7	3	1	¥ 2,370 ※
No.5-44UNF	P2	1116104022	C (2.5P)	63	5	19	36	5	4	7	3	1	¥ 2,370 ※
No.6-32UNC	P3	1116104023	C (2.5P)	63	7	19	36	5	4	7	3	1	¥ 2,370 ※
No.6-40UNF	P3	1116104024	C (2.5P)	63	7	19	36	5	4	7	3	1	¥ 2,370 ※
No.8-32UNC	P3	1116104029	C (2.5P)	70	7	23	40	5.5	4.5	7	3	1	¥ 2,380 ※
No.8-36UNF	P3	1116104030	C (2.5P)	70	7	23	40	5.5	4.5	7	3	1	¥ 2,380 ※
No.10-24UNC	P3	1116104039	C (2.5P)	70	9	24	40	5.5	4.5	7	3	1	¥ 2,380 ※
No.10-32UNF	P3	1116104041	C (2.5P)	70	9	24	40	5.5	4.5	7	3	1	¥ 2,380 ※
1/4-20UNC	P3	1116104058	C (2.5P)	80	11	30	45	6	4.5	7	3	1	¥ 2,640 ※
1/4-28UNF	P3	1116104062	C (2.5P)	80	11	30	45	6	4.5	7	3	1	¥ 2,640 ※

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/
Medical Surgical Instruments

⑫

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①-36

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