

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

3

JIS

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

3-104

LS-PM-PO

Long Shank Spiral Pointed Taps for Hard-to-Machine Materials



Specification

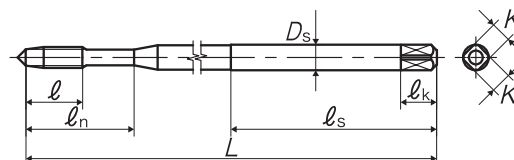


Long shank spiral pointed tap suitable for high hardness steels of 25 ~ 45HRC such as forgings and thermal refined steels of high carbon steels and alloy steels, and die steel. Through hole use.

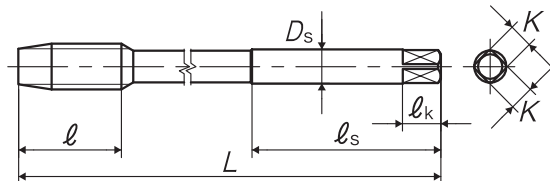
Tapping Speeds depending on Materials

High carbon steels 高炭素鋼	Thermal refined steels 調質鋼	Thermal refined steels 調質鋼
5~10 (m/min)	5~10 (m/min)	~5 (m/min)
	25~35HRC	35~45HRC

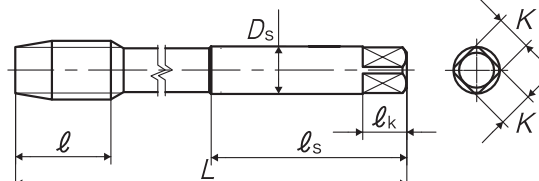
TYPE: 1



TYPE: 2



TYPE: 3



Segment : 1F

Size	Class	Code	Chamfer	L (mm)	ℓ (mm)	ℓ_n (mm)	ℓ_s (mm)	Ds (mm)	K (mm)	ℓ_k (mm)	No. of flutes	TYPE	MSRP
For Metric Threads													
M3 × 0.5	P3	P43.0GRDPBE	5.5P	100	9	18	40	4	3.2	6	3	1	¥ 5,060*
M4 × 0.7	P3	P44.0IRDPBE	5.5P	100	11	21	40	5	4	7	3	1	¥ 4,620*
M5 × 0.8	P3	P45.0KRDPBE	5.5P	100	13	25	40	5.5	4.5	7	3	1	¥ 4,050*
M6 × 1	P3	P46.0MRDPBE	5.5P	100	15	30	40	6	4.5	7	3	1	¥ 3,460*
M6 × 1	P3	P46.0MRDPBG	5.5P	150	15	30	40	6	4.5	7	3	1	¥ 6,110*
M8 × 1.25	P4	PY8.0NSDPBE	5.5P	100	19	-	50	6.2	5	8	3	2	¥ 4,400*
M8 × 1.25	P4	PY8.0NSDPBG	5.5P	150	19	-	50	6.2	5	8	3	2	¥ 7,490*
M10 × 1.5	P4	PY010OSDPBG	5.5P	150	23	-	50	7	5.5	8	3	2	¥ 8,710*
M10 × 1.25	P4	PY010NSDPBG	5.5P	150	23	-	50	7	5.5	8	3	2	¥ 8,710*
M12 × 1.75	P4	PY012PSDPBG	5.5P	150	26	-	50	8.5	6.5	9	3	2	¥ 11,000*
M12 × 1.5	P4	PY012OSDPBG	5.5P	150	26	-	50	8.5	6.5	9	3	2	¥ 11,000*
M12 × 1.25	P4	PY012NSDPBG	5.5P	150	26	-	50	8.5	6.5	9	3	2	¥ 11,000*
M14 × 2	P5	PY014QTDPBG	5.5P	150	26	-	60	10.5	8	11	3	2	¥ 13,700*
M14 × 1.5	P4	PY014OSDPBG	5.5P	150	26	-	60	10.5	8	11	3	2	¥ 13,700*
M16 × 2	P5	PY016QTDPBG	5.5P	150	26	-	60	12.5	10	13	3	2	¥ 14,900*
M16 × 1.5	P4	PY016OSDPBG	5.5P	150	26	-	60	12.5	10	13	3	2	¥ 14,900*
M18 × 2.5	P5	PY018RTDPBG	5.5P	150	33	-	70	14	11	14	3	2	¥ 20,300*

* = Specified Distribution Items. Made to order products.

Think threads with
YAMAWA

③ Spiral Pointed Tap Series for through hole

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

JIS

LS-PM-PO Long Shank Spiral Pointed Taps for Hard-to-Machine Materials

Size	Class	Code	Chamfer	L (mm)	ℓ (mm)	ℓn (mm)	ℓs (mm)	Ds (mm)	K (mm)	ℓk (mm)	No. of flutes	TYPE	MSRP
M18 × 1.5	P4	PY018OSDPBG	5.5P	150	33	-	70	14	11	14	3	2	¥ 20,300 ※
M20 × 2.5	P5	PY020RTDPBG	5.5P	150	33	-	70	15	12	15	3	3	¥ 26,100 ※
M20 × 1.5	P4	PY020OSDPBG	5.5P	150	33	-	70	15	12	15	3	3	¥ 26,100 ※
M22 × 2.5	P5	PY022RTDPBK	5.5P	200	33	-	70	17	13	16	3	3	¥ 36,000 ※
M22 × 1.5	P4	PY022OSDPBK	5.5P	200	33	-	70	17	13	16	3	3	¥ 36,000 ※
M24 × 3	P5	PY024STDPBK	5.5P	200	39	-	80	19	15	18	3	3	¥ 40,500 ※
M24 × 1.5	P4	PY024OSDPBK	5.5P	200	39	-	80	19	15	18	3	3	¥ 40,500 ※
M27 × 3	P5	PY027STDPBK	5.5P	200	39	-	80	20	15	18	4	3	¥ 45,000 ※
M27 × 1.5	P4	PY027OSDPBK	5.5P	200	39	-	80	20	15	18	4	3	¥ 45,000 ※
M30 × 3.5	P5	PY030TTDPBK	5.5P	200	46	-	80	23	17	20	4	3	¥ 57,700 ※
M30 × 1.5	P4	PY030OSDPBK	5.5P	200	46	-	80	23	17	20	4	3	¥ 57,700 ※

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

③-105

Think threads with
YAMAWA

※ = Specified Distribution Items. Made to order products.