

 Overall length
 Thread length
 Thread length
 Shank length
 Shank dia.
 Size of square
 Length of square

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## JIS

iral Fluted Tap

piral Fluted Taps

S | Spiral Pointed Taps | S (for through hole)

Cemented Carbide Taps

Roll Tap

Special Thread Taps

Pine Tans

Thread Mills

er Drills

(10)

Predision Machinery/ edical Surgical Instruments PL2





**Specification** 











Tapping Speeds depending on Materials





## **Product Features**

- Among synthetic resins, the properties of thermoplastic resin make it easy to deform and extend even at a comparatively low temperature. Therefore, after tapping, internal threads may shrink or make chips remain in internal threads on the far side in small burr shape which are often difficult to remove. For PL2, the internal thread accuracy is stabilized by making the tap class oversize, and the remaining chip problem is solved by optimizing the flute shape.
- Applicable workpiece materials are thermoplastic resins: ABS, POM, PC, PVC, HDPE (high-density polyethylene), etc.

## Measures against Chips Remaining in Internal Threads on Far Side







Tapping with PL2

Chips are removed and nothing remains.

10m/min

## **Product Chart**

					low		Tapping Speed Fas				
	Examples of workpiece materials					5r	n/min :	10m/min :			
7-4-tio		Phenolic resin	PF			PL1					
	Bulli	Urea resin	UF			(For plastics	3)				
	nose	Melamine resin	MF				1				
F	luer	Epoxy resin (for casting)	EP				1				
		Unsaturated polyester (hard for casting)	UP								
	Engineering plastics	Polyacetal	POM		PL2						
stic		Polycarbonate	PC		(For therm	oplastic resins)					
Thermoplastic	Commodity plastics	ABS resin	ABS								
Ther		Polyvinyl chloride	PVC								
		High-density polyethylene	HDPE								

5m/min

Spiral Pointed Taps | Spiral Fluted Taps | Spiral Fluted Taps | (for through hole) | (for through hole) |

Hand Taps 4 Carbide Taps

> Roll Taps 6

Pipe Taps | Special Thread Taps | Simple Inspection Tools |

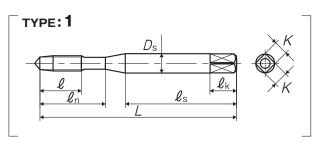
Thread Mills | Oremium Thread Mills |

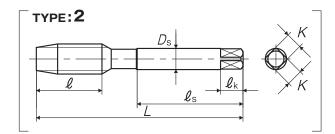
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Center Drills
Centering Tools

10

Precision Machinery/ | Medical Surgical Instruments |





Segment: 1A

Size	Class	Code	Chamfer	L (mm)	ℓ (mm)	ℓn (mm)	ℓs (mm)	Ds (mm)	K (mm)	ℓk (mm)	No. of flutes	TYPE	N	MSRP
For Metric Threads														
$M2 \times 0.4$	P4	TY2.0ESMEN3	3P	42	7.2	12	27	3	2.5	5	3	1	¥	2,930 *
$M2.3 \times 0.4$	P4	TY2.3ESMEN3	3P	42	7.2	12	27	3	2.5	5	3	1	¥	2,660 *
$M2.5 \times 0.45$	P4	TY2.5FSMEN3	3P	46	8.1	14	29	3	2.5	5	3	1	¥	2,250
$M2.6 \times 0.45$	P4	TY2.6FSMEN3	3P	46	8.1	14	29	3	2.5	5	3	1	¥	2,250 *
$M3 \times 0.5$	P5	TY3.0GTMEN3	3P	46	9	14	26	4	3.2	6	4	1	¥	1,580
$M3.5 \times 0.6$	P5	TY3.5HTMEN3	3P	52	11	16	29	5	4	7	4	1	¥	1,580
$M4 \times 0.7$	P5	TY4.0ITMEN3	3P	52	11	17	29	5	4	7	4	1	¥	1,580
$M5 \times 0.8$	P5	TY5.0KTMEN3	3P	60	13	22	33	5.5	4.5	7	4	1	¥	1,590
M6 × 1	P5	TY6.0MTMEN3	3P	62	15	26	33	6	4.5	7	4	1	¥	1,750 *
M8 × 1.25	P6	TY8.0NUMEN3	3P	70	19	-	36	6.2	5	8	4	2	¥	2,390 *