

 Overall length
 Thread length
 Position on basic dia.
 Shank length
 Shank dia.
 Size of square
 Length of square

 L
 L
 Lg
 Ls
 Ds
 K
 Lk

JIS

piral Fluted Ta

piral Fluted Taps

Spiral Pointed Tap

Hand

(5) ē (2)

(6)

Special Thread Taps
Simple Inspection Tools

8 Pine Tank

Thread Mills

10

Center Drills



PMST OX Rc



Z-PRO

Straight Fluted Taps for Taper Pipe Threads, for High Hardness Materials

Specification







Tapping Speeds depending on Materials











Thermal refined steels 調質鋼 ~ 3 (m/min) 35~45HRC





Cast irons 鋳鉄 ~ **5** (m/min) Ductile cast irons 強靭鋳鉄 ~ **5** (m/min)

アルミ合金鋳物 ~**7** (m/min) Magnesium alloy die castings マグネシウム合金鋳物 ~<mark>7</mark> (m/min) Zinc alloy castings 亜鉛合金鋳物 ~**7** (m/min) Brass 黄銅 ~**7** (m/min) Brass castings 黄銅鋳物 ~**7** (m/min)

Product Features

- Proper tool projection length is secured, achieving an excellent supply of cutting fluid.
- ●Ideal for tapping hard steels from 30 to 45 HRC, such as plastic die steels.

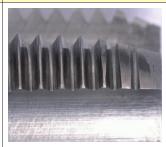
Tapping Data

Tapping conditions

Workpiece Material	NAK55 (40HRC)
Tapping Speed	3m/min
Machine	Machining center (Vertical)
Holder	With tension and compression
Tapping Fluid	Non-water soluble cutting oil

PMST OX Rc1/4-19 (After 10 holes)

Excellent internal thread



Less damage on the edge

Comparison of Rc and PT tap dimensions

Comparison table of tap dimensions between PMST OX Rc and "SP-PT (long thread type)"

	PMST OX Rc								
Size	Overall length L (mm)	Thread length ℓ (mm)	Position on basic dia. ### g (mm)	Shank dia. Ds (mm)					
Rc 1/16-28	90	14	10.1	8					
Rc 1/8-28	90	15	10.1	8					
Rc 1/4-19	100	19	15	11					
Rc 3/8-19	100	21	15.4	14					
Rc 1/2-14	125	26	20.5	18					
Rc 3/4-14	140	28	21.8	23					
Rc 1 -11	160	33	26	26					

	SP-PT (Long (£g) Type)								
Size	Overall length L (mm)	Thread length ℓ (mm)	Position on basic dia. ℓ g (mm)	Shank dia. Ds (mm)					
PT 1/16-28	55	19	13	8					
PT 1/8-28	55	19	13	8					
PT 1/4-19	62	28	21	11					
PT 3/8-19	65	28	21	14					
PT 1/2-14	80	35	25	18					
PT 3/4-14	85	35	25	23					
PT 1 -11	95	45	32	26					



JIS

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

Hand Taps

4 Carbide Taps

Roll Taps

6

Special Thread Taps
Simple Inspection Tools

Thread Mills

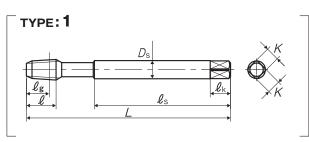
Premium Thread Mills

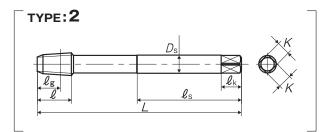
Dies

Center Drills
Centering Tools

10

Precision Machinery/ Redical Surgical Instruments





Segment: 1H

Size	Code	Chamfer	Basic major dia (mm)	L (mm)	ℓ (mm)	ℓg (mm)	ℓs _(mm)	Ds (mm)	K (mm)	ℓk (mm)	No. of flutes	TYPE	M	ISRP
For Pipe Threads														
Rc 1/16-28	TJRC010DPX	C (2.5P)	7.723	90	14	10.1	60	8	6	9	4	1	¥	7,810 *
Rc 1/8-28	TJRC020DPX	C (2.5P)	9.728	90	15	10.1	46	8	6	9	4	2	¥	7,810 *
Rc 1/4-19	TJRC040DPX	C (2.5P)	13.157	100	19	15.0	51	11	9	12	4	2	¥ 1	11,400 *
Rc 3/8-19	TJRC060DPX	C (2.5P)	16.662	100	21	15.4	51	14	11	14	4	2	¥ 1	18,500 *
Rc 1/2-14	TJRC080DPX	C (2.5P)	20.955	125	26	20.5	64	18	14	17	4	2	¥ 3	30,100 [*]
Rc 3/4-14	TJRC120DPX	C (2.5P)	26.441	140	28	21.8	71	23	17	20	4	2	¥ 4	16,000 *
Rc 1 -11	TJRC160DPX	C (2.5P)	33.249	160	33	26.0	82	26	21	24	5	2	¥ 7	79,700 *