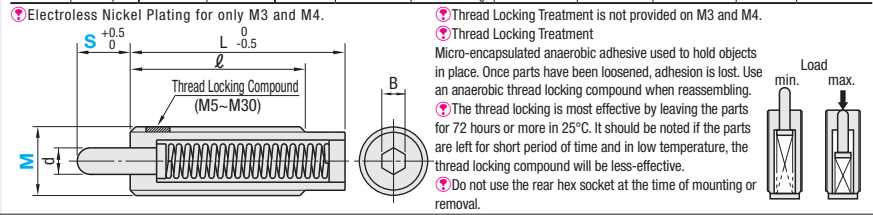


Spring Plungers

Steel



Load Category	Type		Body		Pin			Spring	Operating Temperature		
	Standard	No. Thread Locking Compound	M	H	M	H	S				
Steel Nose	Ultra Light Load	PJS	PJS-N	S45C	29-35HRC	S45C	57-63HRC (Carburized)	Trivalent Chromate	SWP-B	-30~80°C	
	Light Load	PJL	PJL-N								Black Oxide
	Heavy Load	PJH	PJH-N								
Plastic Tip	Ultra Light Load	PJX	PJX-N	Polyacetal	-	-	-	-	-	-	
	Light Load	NPJS	NPJS-N								Black Oxide
	Heavy Load	NPJL	NPJL-N								



Electroless Nickel Plating for only M3 and M4. Thread Locking Treatment is not provided on M3 and M4. Thread Locking Treatment Micro-encapsulated anaerobic adhesive used to hold objects in place. Once parts have been loosened, adhesion is lost. Use an anaerobic thread locking compound when reassembling. The thread locking is most effective by leaving the parts for 72 hours or more in 25°C. It should be noted if the parts are left for short period of time and in low temperature, the thread locking compound will be less-effective. Do not use the rear hex socket at the time of mounting or removal.

Standard

Part Number	Type	M (Coarse)	S	d	ℓ	L		B	Ultra Light Load		Light Load		Heavy Load		Extra Heavy Load		Unit Price		
						Ultra Light / Light / Heavy Load	Extra Heavy Load		min.	N Load max.	min.	N Load max.	min.	N Load max.	min.	N Load max.	Ultra Light / Light / Heavy Load	Extra Heavy Load	
3	PJS	3	1.5	1.1	10(15)	10	15	0.9	0.05	0.32	0.49	1.0	0.78	2.9	2.2	4.5			
						15	20	0.9	0.09	0.32	0.29	1.0	0.78	2.9	1.8	4.5			
						15(24)	15	24	1.3	0.23	0.65	1.0	2.0	2.9	8.8	5.2	13		
4	PJL	4	2	1.6	24	24	24	1.3	0.24	0.65	0.59	2.0	2.0	8.8	5.2	13			
						20(27)	20	27	1.5	0.74	2.95	2.0	9.8	4.9	19.6	9.1	24.5		
						20(39)	27	39	1.5	0.72	2.95	2.0	9.8	2.9	19.6	8.8	24.8		
5	PJH	5	3	2.0	25(30)	25	30	2	0.85	3.2	5.9	9.8	7.8	29.4	14.2	39.5			
						30(36)	30	36	2	0.85	3.2	2.0	9.8	4.9	29.4	14.1	39.4		
						30	39	-	2	-	-	1.4	9.8	5.0	28.0	-	-		
6	PJX	6	4	2.5	25(27)	25	27	2.5	0.9	3.3	5.9	9.8	14.7	29.4	35.3	41.2			
						27(30)	27	35	2.5	0.9	3.3	2.9	9.8	7.8	29.4	14.7	41.2		
						30	43	-	2.5	-	-	3.0	9.8	7.0	28.8	-	-		
8	NPJS	8	5	3.1	27(30)	27	35	3	1.9	4.7	5.9	14.7	8.8	49.0	15.7	62.8			
						30	43	53	3	1.7	4.7	2.9	14.7	7.8	49.0	12.7	62.8		
						30	58	-	3	-	-	2.9	14.7	6.2	48.7	-	-		
10	NPJL	10	6	3.8	30(35)	30	43	4	1.5	4.7	5.9	14.7	18.6	49.0	37.2	98.1			
						43	58	4	1.3	5.9	2.9	19.6	7.8	49.0	14.7	98.1			
						51	78	4	1.6	5.9	2.9	19.6	4.9	49.0	14.9	98.1			
12	NPJH	12	8	5.5	35	35	60	5	1.7	12.8	5.9	39.2	12.7	78.5	23.5	147.2			
						60	70	5	1.7	12.8	3.9	39.2	12.7	78.5	21.6	147.2			
						85	90	5	1.7	12.8	4.9	39.2	9.8	78.5	12.7	147.2			
16	NPJX	16	10	8	35	35	125	5	-	-	3.5	19.6	6.9	49.0	-	-			
						60	60	5	1.7	12.8	5.9	39.2	12.7	78.5	23.5	147.2			
						70	70	5	1.7	12.8	3.9	39.2	12.7	78.5	21.6	147.2			
20	PJS-N	20	15	8	35	35	125	5	-	-	3.5	19.6	6.9	49.0	-	-			
						60	60	5	1.7	12.8	5.9	39.2	12.7	78.5	23.5	147.2			
						70	70	5	1.7	12.8	3.9	39.2	12.7	78.5	21.6	147.2			
24	PJL-N	24	20	10	45	45	60	6	-	-	4.9	39.2	6.9	78.5	-	-			
						60	60	5	1.7	12.8	5.9	39.2	12.7	78.5	23.5	147.2			
						72	72	6	-	-	4.9	39.2	6.9	78.5	-	-			
30	PJH-N	30	25	14	45	45	60	6	-	-	4.9	39.2	6.9	78.5	-	-			
						60	60	5	1.7	12.8	5.9	39.2	12.7	78.5	23.5	147.2			
						78	78	6	-	-	4.9	39.2	6.9	78.5	-	-			

kgf=Nx0.101972

No Thread Locking Compound

Part Number	Type	M (Coarse)	S	d	ℓ	L		B	Ultra Light Load		Light Load		Heavy Load		Extra Heavy Load		Unit Price		
						Ultra Light / Light / Heavy Load	Extra Heavy Load		min.	N Load max.	min.	N Load max.	min.	N Load max.	min.	N Load max.	Ultra Light / Light / Heavy Load	Extra Heavy Load	
5	PJS-N	5	2.0	2.0	20(27)	20	27	1.5	0.74	2.95	2.0	9.8	4.9	19.6	9.1	24.5			
						27(39)	27	39	1.5	0.72	2.95	2.0	9.8	2.9	19.6	8.8	24.8		
						25(30)	25	30	2	0.85	3.2	5.9	9.8	7.8	29.4	14.2	39.5		
6	PJL-N	6	2.5	2.5	30(36)	30	36	2	0.85	3.2	2.0	9.8	4.9	29.4	14.1	39.4			
						25(27)	25	27	2.5	0.9	3.3	5.9	9.8	14.7	29.4	35.3	41.2		
						27(30)	27	35	2.5	0.9	3.3	2.9	9.8	7.8	29.4	14.7	41.2		
8	PJH-N	8	3.1	3.1	27(30)	27	35	3	1.9	4.7	5.9	14.7	8.8	49.0	15.7	62.8			
						30	43	53	3	1.7	4.7	2.9	14.7	7.8	49.0	12.7	62.8		
						30	58	-	3	-	-	2.9	14.7	6.2	48.7	-	-		
10	PJX-N	10	3.8	3.8	30(35)	30	43	4	1.5	4.7	5.9	14.7	18.6	49.0	37.2	98.1			
						43	58	4	1.3	5.9	2.9	19.6	7.8	49.0	14.7	98.1			
						51	78	4	1.6	5.9	2.9	19.6	4.9	49.0	14.9	98.1			
12	NPJS-N	12	5.5	5.5	35	35	60	5	1.7	12.8	5.9	39.2	12.7	78.5	23.5	147.2			
						60	70	5	1.7	12.8	3.9	39.2	12.7	78.5	21.6	147.2			
						85	90	5	1.7	12.8	4.9	39.2	12.7	78.5	12.7	147.2			
16	NPJL-N	16	8	8	35	35	125	5	-	-	3.5	19.6	6.9	49.0	-	-			
						60	60	5	1.7	12.8	5.9	39.2	12.7	78.5	23.5	147.2			
						70	70	5	1.7	12.8	3.9	39.2	12.7	78.5	21.6	147.2			
20	NPJH-N	20	10	10	45	45	60	6	-	-	4.9	39.2	6.9	78.5	-	-			
						60	60	5	1.7	12.8	5.9	39.2	12.7	78.5	23.5	147.2			
						72	72	6	-	-	4.9	39.2	6.9	78.5	-	-			
24	NPJX-N	24	15	14	45	45	60	6	-	-	4.9	39.2	6.9	78.5	-	-			
						60	60	5	1.7	12.8	5.9	39.2	12.7	78.5	23.5	147.2			
						78	78	6	-	-	4.9	39.2	6.9	78.5	-	-			

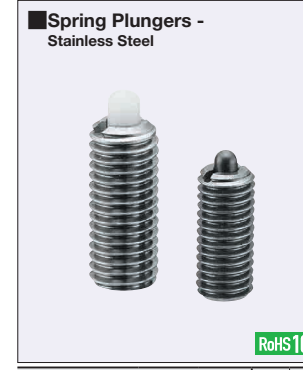
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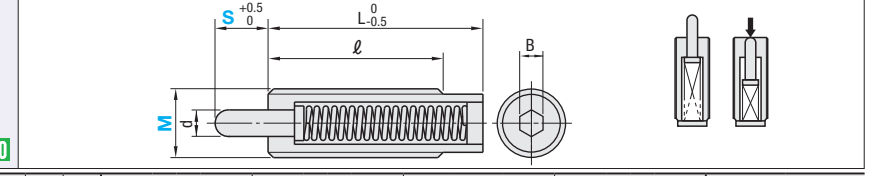
Note that, for some of the types shown here, order might be unable to be received by the MISUMI Indonesia offices.

Spring Plungers / Wrenches / Block Plungers

Stainless Steel



Load Category	Type	Body		Nose		Spring	Operating Temperature
		M	H	M	H		
Stainless Steel Tip	Ultra Light Load	PJLSW	PJLW	SUS304 Equivalent	SUS440C	55HRC~	-30~260°C
	Light Load	PJLW	PJLW				
	Heavy Load	PJLW	PJLW				
Plastic Tip	Ultra Light Load	PJLSK	PJLW	Polyacetal	-	-	-30~80°C
	Light Load	PJLW	PJLW				
	Heavy Load	PJLW	PJLW				



Part Number	Type	M (Coarse)	S	d	ℓ	B	Ultra Light Load (PJLSW, PJLSK)		Light Load (PJLW, PJLW)		Heavy Load (PJLW, PJLW)		Extra Heavy Load (PJLW, PJLW)		Unit Price	
							min.	N Load max.	min.	N Load max.	min.	N Load max.	min.	N Load max.	Stainless Steel Tip	Plastic Tip
3	PJS	3	1.5	1.0	15	15	0.12	0.4	0.4	1.3	0.8	2.94	1.1	3.42		
							0.12	0.4	0.2	1.3	0.6	2.93	0.8	3.41		
							0.27	0.65	0.9	2.0	2.0	8.8	6.1	13.8		
4	PJL	4	2	1.6	15	15	0.18	0.65	0.6	2.1	1.9	8.75	5.8	13.6		
							0.4	3	1.4	9.7	2.7	16.3	6.8	22.0		
							0.35	3	1.1	10.3	1.0	17.1	5.7	21.5		
5	PJH	5	3	2.0	20	20	1.8	3.05	6.0	9.8	8.0	26.4	15.8	35.6		
							1.5	3.05	3.4	9.86	4.4	26.6	12.9	34.4		
							1.9	3.15	6.0	9.9	14.7	27.0	21.9	36.3		
6	PJX	6	4	2.5	25	25	1.4	3.15	4.0	9.83	6.7	26.6	14.7	34.5		
							1.6	4.6	5.7	14.7	8.2	45.7	24.5	58.6		
							1.6	4.6	4.4	14.7	6.2	45.1	19.8	58.7		
8	NPJS	8	5	3.1	25	25	1.7	4.7	5.8	14.7	18.2	49.0	34.9	63.6		
							1.6	4.7	5.0	14.						