

Indexing Plungers

Standard

■ **Features:** Alteration of tip shapes makes it possible to use the product as the application demands.

■ **Standard**

Screw	Returning			Rest Position			Knob	Main Body		Pin			Spring	Lock Nut	
	Spherical	Tapered	Flat	Spherical	Tapered	Flat		Material	Surface Treatment	Material	Hardness	Surface Treatment		Material	Surface Treatment
Fine Thread	PXAN	PXAT	PXAF	PXYAN	PXYAT	PXYAF	A2017 (Black Anodize)	SUM22	Black Oxide	S45C	50-60HRC	Black Oxide	SUS631J1	SS400	Black Oxide
Thread	SXPAN	SXPAT	SXPAF	SXYAN	SXYAT	SXYAF	SUS303	-	SUS440C	45HRC~	-	-	SUS303	-	-

⊕ For M=5, 6 and 8L, the pin hardness is 40-45HRC.

Returning

With Lock Nut

Shape

Shape

Shape

M	Spherical			Tapered			Flat		
	PXA	SXPA	PXX	SXPK	PXYA	SXYA	PXYK	SXYK	
5	4.5	5.5	5	6					
6	6.7	8.7	8	10					
8	12	17	13	18					
10	20	27	23	30					
12	32	42	38	48					
16	70	90	79	99					

RoHS 10

Part Number	Type	M	Pitch (Fine Thread)	D	D1	S	B	L										Load (N)			
								Returning	Rest Position	L1	L2	L3	L4	L5	Sw1	Sw2	SR	A	W	P	d
Returning (Spherical)	PXAN	5	0.5	10	8.1	5	2	35	41	15	3	14	2.7	1.5	7	8	1	1	6		
		6	0.75	12	9.2	5	2.5	36	42	15	4	13.5	3.2	1.5	8	10	1.3	1	6		
Returning (Tapered)	PXAT	8	1.0	15	11.5	4	4	40	46	16	5	14	4	1.5	10	13	2	3	9		
		10	1.0	18	13.8	5	5	42	48	17	5	15	5	2.0	12	17	2.5	5	11.5		
Returning (Flat)	PXAF	12	1.5	21	16.2	6	6	54.5	60.5	20	6	17	6	2.5	14	19	3	6.5	14.5		
		16	1.5	26	21.9	7	8	68	75.5	26	8	23	8	3.0	19	24	4	7.15	18		

⊕ M dimensions with "L" have longer strokes compared to the conventional products. ⊕ Relief at Thread Base: None for M=5 and 6; provided for M=8-16. kgf=Nx0.101972

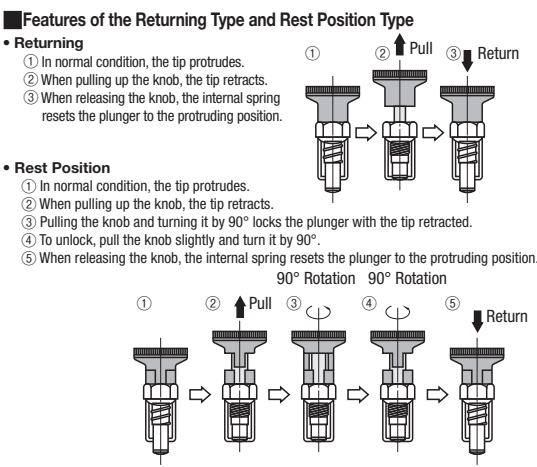
Ordering Example: Part Number SXPAN12L, PXKF10

■ **Returning**

M	Spherical			Tapered			Flat					
	PXAN	PXKN	SXPAN	SXPKN	PXAT	PXKT	SXPAT	SXPKT	PXAF	PXKF	SXPAF	SXPKF
5												
6												
8												
8L												
10												
10L												
12												
12L												
16												
16L												

■ **Rest Position**

M	Spherical			Tapered			Flat					
	PXYAN	PXYKN	SXPAN	SXPKN	PXYAT	PXYKT	SXPAT	SXPKT	PXYAF	PXYKF	SXPAF	SXPKF
5												
6												
8												
8L												
10												
10L												
12												
12L												
16												
16L												



Indexing Plungers

Flanged / Tapped Tip

■ **Features:** The flanges enable the indexing plunger to be adjusted to right or left.

■ **Flanged**

Screw	Returning	Rest Position	Knob	Main Body		Pin			Spring	Flange		Lock Nut	
				Material	Surface Treatment	Material	Hardness	Surface Treatment		Material	Surface Treatment	Material	Surface Treatment
Fine Thread	FPXA	FPXY	A2017 (Black Anodize)	SUM22	Black Oxide	S45C	50-60HRC	Black Oxide	SUS631J1	SS400	Trivalent Chromate	SS400	Black Oxide

⊕ For M=8 and 8L, the pin hardness is 40-45HRC.

Returning- FPXA

With Lock Nut FPXK

Rest Position- FPXY

With Lock Nut FPXR

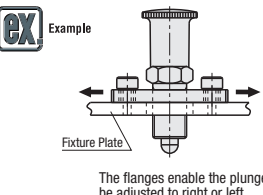
The Indexing Plunger is mounted to the flange through a tapped hole making vertical adjustments possible. After adjustment, lock nuts can be used for fixing the plunger at the determined position.

Part Number	Type	M	Pitch (Fine Thread)	D	D1	S	B	L										Load (N)				
								Returning	Rest Position	L1	L2	L3	L4	Sw1	Sw2	SR	A	W	P	d	min.	max.
Returning FPXA	FPXK	8	1	15	11.5	4	4	40	46	16	5	14	4	10	13	2	20	46	34	6	3	9
		10	1	18	13.8	5	5	45	50	17	5	15	5	12	17	2.5	20	48	36	6	5	11.5
Rest Position FPXY	FPXR	12	1.5	21	16.2	6	6	54.5	60.5	20	6	17	6	14	19	3	22	55	40	8	6.5	14.5
		16	1.5	26	21.9	7	8	68	75.5	26	8	23	8	19	24	4	25	60	45	8	7.15	18

⊕ M dimensions with "L" have longer strokes compared to the conventional products.

Ordering Example: Part Number FPXA8

M	Unit Price			
	FPXA	FPXK	FPXY	FPXR
8				
8L				
10				
10L				
12				
12L				
16				
16L				



■ **Features:** By mounting the attachment to the tip, the pin dia. and length are adjustable, and the workpiece can be clamped.

■ **Tapped Tip**

Type	Knob	Main Body		Pin			Spring	Lock Nut	
		Material	Surface Treatment	Material	Hardness	Surface Treatment		Material	Surface Treatment
Returning PXTAB	A2017 (Black Anodize)	SUM22	Black Oxide	S45C	50-60HRC	Black Oxide	SUS631J1	SS400	Black Oxide
Rest Position PXTNB		SUS303	-	SUS440C	45HRC~	-		SUS303	-

Returning- PXTA

With Lock Nut PXTN

Rest Position- PXTY

With Lock Nut PXTS

Part Number	Type	M	S (Stroke)	Pitch (Fine)	D	D1	B	M1	ℓ	L										Load (N)	
										Returning	Rest Position	L1	L2	L3	L4	Sw1	Sw2	A	W	P	d
(Returning) PXTAB	(Rest Position) PXTNB	10	5	1.0	18	13.8	5	M3	5	45	50	17	5	15	5	12	17	5	11.5		
		12	6	1.5	21	16.2	6	M4	6	54.5	60.5	20	6	17	6	14	19	6.5	14.5		
16	12	7	1.5	26	21.9	8	M5	8	68	75.5	26	8	23	8	19	24	7.15	18			
		12	12	80.5	26	8	23	8	19	24	7.15	18	25								

kgf=Nx0.101972

Ordering Example: Part Number PXTAB10-5

M	S	Unit Price							
		Returning				Rest Position			
		PXTAB	PXTNB	PXTAS	PXTNS	PXTYB	PXTSB	PXTYS	PXTSS
10	5								
10	8								
12	6								
12	10								
16	7								
16	12								

