


# Indexing Plungers

Pilot, Precision Grade / Press Fit / Knobs for Press Fit Plungers

■ **Features:** Clearance of the pin is 0.035 or less.

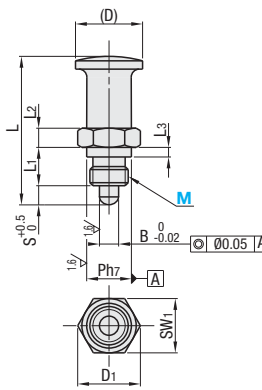
■ **Pilot, Precision**



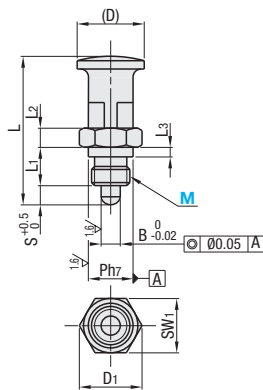
RoHS 10

Load	Type		Thread Type	Knob				Main Body				Pin			Spring
	Returning	Rest Position		M Material	M Material	H Hardness	S Surface Treatment	M Material	H Hardness	S Surface Treatment	M Material	H Hardness	S Surface Treatment		
Light Load	PMXSL	PMXYSL	Coarse Thread	Nylon 6	S45C	33-38HRC	Black Oxide	S45C	HV500-600	Black Oxide	SUS304-WPB				
Heavy Load	PMXSH	PMXYSH													
Light Load	PXSL	PXYSL	Fine Thread												
Heavy Load	PXSH	PXYSH													

Returning



Rest Position

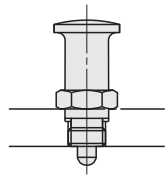


Part Number	Pitch		Ph7	(D)	D1	S	B	L	L1	L2	L3	SW1	Light Load	Heavy Load	Unit Price						
	Type	M											Coarse Thread	Fine Thread	Load (N) min.	Load (N) max.	min.	max.	PMXSL	PMXYSL	PXSL
(Coarse Thread) (Fine Thread)	10	1.5	1	12	18	16.2	5	5	38	10	5	3	14	4.5	7.3	5.7	11.9				
PMXSL PXSL	12	1.75	1.5	14	20	19.6	6	6	46	12	6	3	17	5.3	8.8	6.7	13.2				
PMXSH PXSH	16	2	1.5	18	26	25.4	8	8	56.5	16	6	4	22	5.7	10.1	7.4	17.2				
PMXYSL PXYSL	20	2.5	1.5	22	32	31.2	10	10	70	20	10	4	27	6.6	15.0	8.0	26.8				
PMXYSH PXYSH																					


Ordering Example: Part Number **PXSL20**

Example

■ **Features**  
 • h7 finished pilot ensures high repeatability.  
 • Clearance of the pin part is 0.035 or less, which helps to prevent backlash.



■ **Press Fit**



SXPP

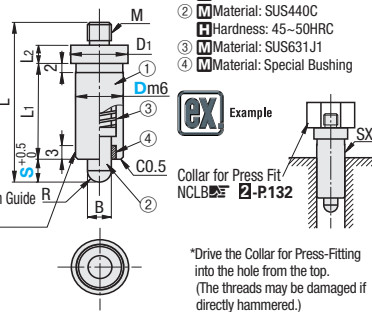
① M Material: SUS440C  
H Hardness: 45-50HRC

② M Material: SUS440C  
H Hardness: 45-50HRC

③ M Material: SUS631J1

④ M Material: Special Bushing

ex Example




Collar for Press Fit NCLB **P-132**

\*Drive the Collar for Press-Fitting into the hole from the top. (The threads may be damaged if directly hammered.)

Part Number	Type	Dm6	S min	D1	B	L	L1	L2	M (Case)	R	Load (N)		Mass (g)	Unit Price
											min.	max.		
SXPP	8	+0.015	4	10	4	32	19	4	3	2	3	9	9	
	10	5	6	12	5	34	20	5	2.5	5	11.5	15		
		8	6	12	5	37	20	5	2.5	5	14.5	26.5		
	12	10	+0.018	6	14	6	42	24	6	3	6.5	20	27.5	
		7	+0.007	7	19	8	52	32	8	4	7.15	18	54	
15	12		7	19	8	57	32	8	4	7.15	25	55.5		

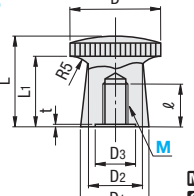
Recommended Tolerance of Mounting Hole : H7 kgf=Nx0.101972

■ **Knobs for Press Fit Plungers**



NSXP

M Material: A2017  
S Surface Treatment: Black Anodize



Part Number	Type	M	Applicable Indexing Plunger	L	L1	t	D	D1	D2	D3	l	Unit Price
5	SXPP10	18	14	18	11.8	11	8	8				
6	SXPP12	22.5	17.5	21	13.8	13	9	9				
8	SXPP15	27	21	26	18.8	18	11	11				

Ordering Example: Part Number **SXPP10** - **S**  
**NSXP8** - **5**