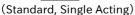
PSLC-M, PSLC-M-S PNEUMATIC SHAFT LOCKING CLAMPS

R⊕\S IMAO







Clamping Shaft

Electroless nickel plated

S45C steel

(Sensor Mountable, Single Acting)

Body

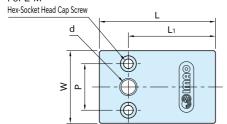
A5052 aluminum

Anodized

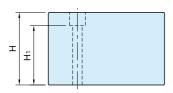
★Key Point

For automation of shaft locking. Usable with sensors.

For 2-M



PSLC-M (Standard, Single Acting)

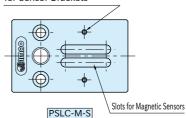


2-M3×0.5 Mounting Hole for Sensor Brackets

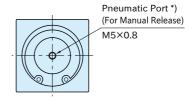
Anodized

Cover

A5056 aluminum



(Sensor Mountable, Single Acting)



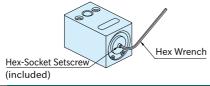
*) Delivered with the setscrew installed. See the Feature section for details.

	umber Sensor Mountable Type	d	L ₁	L	W	Н	М	Hı	Р	Weight (g)	Suitable shaft dia. (h7,g6,f8) **)
PSLC10-3M	PSLC10-3M-S	10	60	80	50	50	M 6	41	32	530	φ 10
PSLC12-3M	PSLC12-3M-S	12								520	φ 12
PSLC16-3M	PSLC16-3M-S	16	70	95	63	63	M 8	53	42	1000	φ 16
PSLC20-3M	PSLC20-3M-S	20									φ 20
PSLC25-3M	PSLC25-3M-S	25	95	130	80	80	M10	65	56	2310	φ 25
PSLC30-3M	PSLC30-3M-S	30									φ 30

^{**)} Recommended shaft: Heat treated (over HRC50) or hard chrome plated (over HV750, over 10 \(\mu \) m thickness)

Feature

- Spring clamping and pneumatic unclamping mechanism prevents the decrease of clamping force by air leakage.
- ·Available for remote and multiple operations.
- PSLC-M-S type can be used in combination with sensors to detect the clamping condition. The sensors must be supplied separately by customer.
- ·For details on applicable sensors and installation details, refer to PSLC-M-SB.
- •Can be unclamped manually. The clamp can be released without air supply by fully tightening the setscrew into the manual unclamping hole.
- · A setscrew is attached to the pneumatic port for shipping. Remove the setscrew for air supply.



Note

- ·Clamping/unclamping operations must be performed with the shaft not in motion. Cannot be used as a brake of a moving shaft.
- ·Do not force the clamped shaft to move.
- ·Do not operate frequently without the shaft.
- ·Use clean air by removing moisture and debris with an air dryer and air filter.
- ·Impurities in the compressed air can cause malfunction.

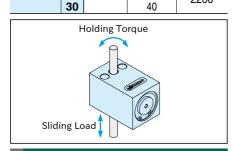
Technical Information

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Size		Operating Air Pressure (MPa)	Holding Torque(N⋅m)	Sliding Load (N)		
	10		6	000		
	12		9	800		
PSLC-M	16	00-07	21	1000		
PSI C-M-S 20		0.3~0.7	23	1600		

35

2200



Reference

PSLC-M-SB Sensor Brackets

Supplied With

1 of hex. socket setscrew

Application Example

- ·Three-way valves are recommended.
- •When air is supplied to compress the spring, the shaft is unclamped. When air is released, the shaft is clamped by the spring.
- ·Use bushings or bearings with the unit as needed.

