

# PSLC-M

## PNEUMATIC SHAFT-LOCKING CLAMPS



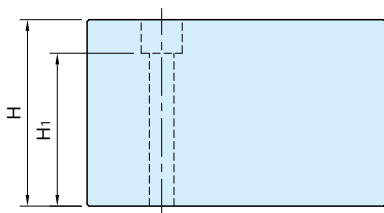
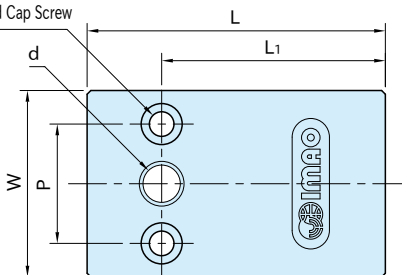
(Single Acting)

### ★Key Point

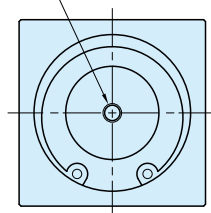
For automation of shaft locking

Body	Cover	Clamping Shaft
A5052 aluminum Anodized Natural	A5052 aluminum Anodized	S45C steel Electroless nickel plated

For 2-M  
Hex-Socket Head Cap Screw



Pneumatic Port \*)  
Manual Unclamping Hole  
M5×0.8



\*) A setscrew is attached when shipping.  
For details, please refer to the features.

Part Number	d	L <sub>1</sub>	L	W	H	M	H <sub>1</sub>	P	Weight (g)	Suitable shaft dia. (h7,g6,f8) **)
<b>PSLC10-3M</b>	10	60	80	50	50	M6	41	32	530	φ 10
<b>PSLC12-3M</b>	12								520	φ 12
<b>PSLC16-3M</b>	16	70	95	63	63	M8	53	990	φ 16	
<b>PSLC20-3M</b>	20								φ 20	

\*\*) Recommended shaft: Heat treated (over HRC50) or hard chrome plated (over HV750, over 10 μm thickness)

## Feature

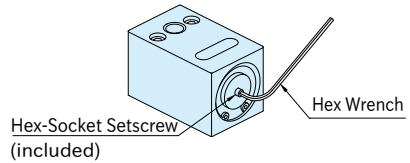
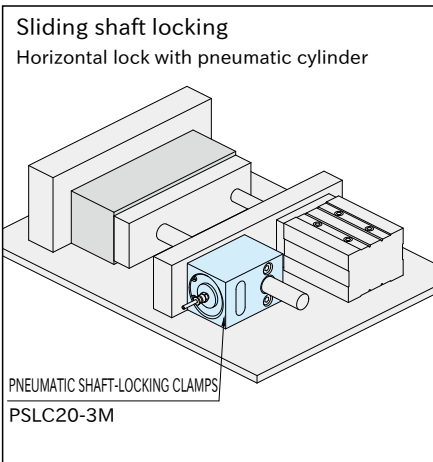
- Spring clamping and pneumatic unclamping mechanism prevents the decrease of clamping force by air leakage.
- Available for remote and multiple operations.
- Can be easily mounted with screws.
- Can be unclamped manually. The clamp can be released without air by tightening the setscrew fully into the manual unclamping hole.
- A setscrew is attached to pneumatic port when shipping. Remove the setscrew before air supply.

## Note

- Clamping/unclamping operation should be done when the shaft stops. Can not be used as a brake of moving shaft.
- Do not force to move the clamped shaft.
- Do not operate frequently without shaft.

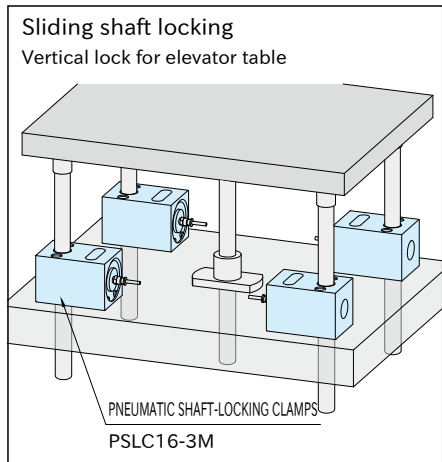
## Application Example

- Three-way valve is recommended.
- This product can not be used as a bearing or a guide for shaft.



## Supplied With

- 1 of hex socket setscrew



## Technical Information

Part Number	Operating Air Pressure (MPa)	Holding Torque (N·m)	Sliding Load (N)
<b>PSLC10-3M</b>	0.3~0.7	6	800
<b>PSLC12-3M</b>		9	
<b>PSLC16-3M</b>		21	
<b>PSLC20-3M</b>		23	

