

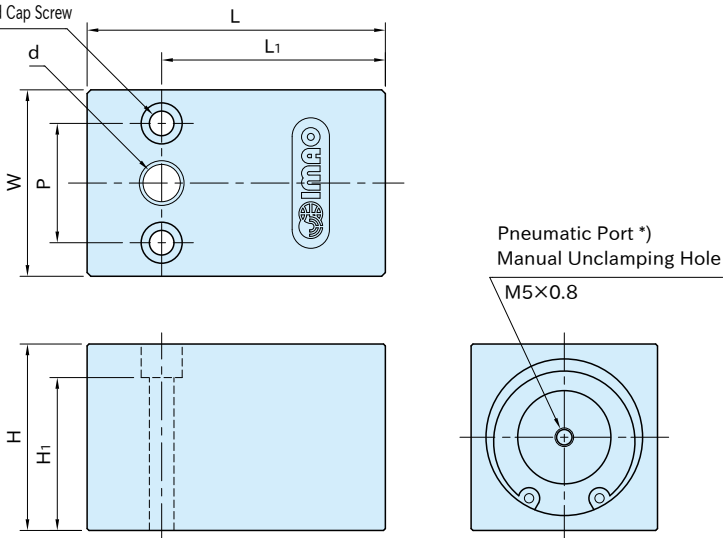


(Single Acting)

★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



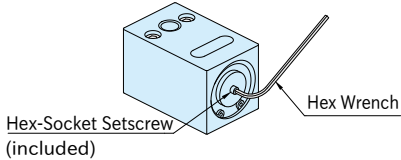
*) A setscrew is attached when shipping.
For details, please refer to the features.

Part Number	d	L ₁	L	W	H	M	H ₁	P	Weight (g)	Suitable shaft dia. (h7,g6,f8) **)
PSLC10-3M	10	60	80	50	50	M 6	41	32	530	φ 10
PSLC12-3M	12								520	φ 12
PSLC16-3M	16	70	95	63	63	M 8	53	42	990	φ 16
PSLC20-3M	20								φ 20	
PSLC25-3M	25	95	130	80	80	M10	65	56	2310	φ 25
PSLC30-3M	30								φ 30	

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

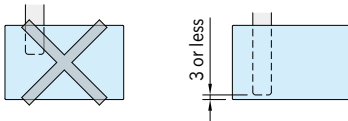
Feature

- 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.



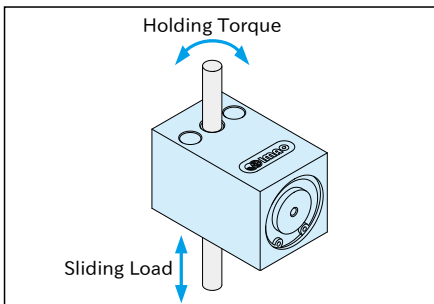
Note

- 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.
- When clamping, make sure to insert the shaft deep enough as shown in the figure below.
- It is recommended to use the clamp with the shaft completely inserted.



Technical Information

Part Number	Operating Air Pressure (MPa)	Holding Torque (N·m)	Sliding Load (N)
PSLC10-3M	0.3~0.7	6	800
PSLC12-3M		9	
PSLC16-3M		21	1600
PSLC20-3M		23	
PSLC25-3M		35	
PSLC30-3M	40	2200	



Supplied With

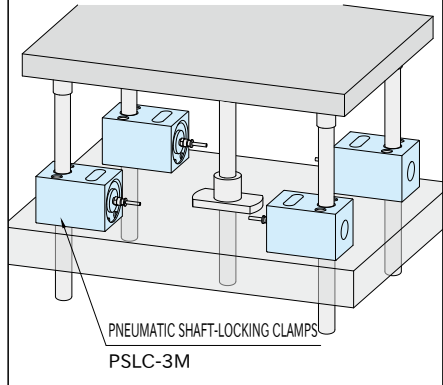
1 of hex socket setscrew

Application Example

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

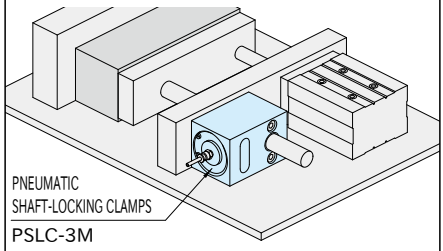
Sliding shaft locking

Vertical lock for elevator table



Sliding shaft locking

Horizontal lock with pneumatic cylinder



Spindle locking

Rotation lock for rotary stages

