

PSLC-L

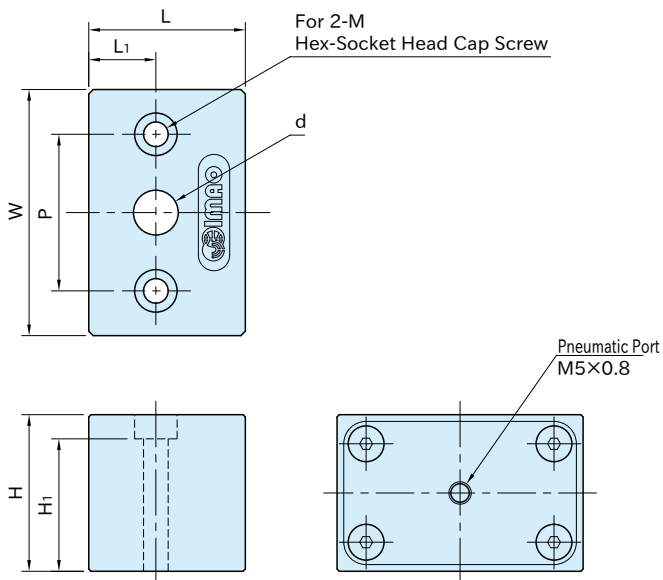
PNEUMATIC SHAFT-LOCKING CLAMPS



(Single Acting)

★Key Point
For automation of shaft locking

Body	Cover	Clamping Shaft
A5052 aluminum Anodized Natural	SUS304 stainless steel	A5052 aluminum Anodized



Part Number	d	L ₁	L	W	H	M	H ₁	P	Weight (g)	Suitable shaft dia. (h11)
PSLC10-5L	10	14	35	55	35	M5	29.5	35	220	φ 10
PSLC12-5L	12								210	φ 12
PSLC16-5L	16	15	40	63	40	M6	33.5	45	300	φ 16
PSLC20-5L	20								290	φ 20

Feature

- Spring clamping and pneumatic unclamping mechanism prevents the decrease of clamping force by air leakage.
- Available for remote and multiple operations.
- Perfect for use in limited space.
- Can be easily mounted with screws.

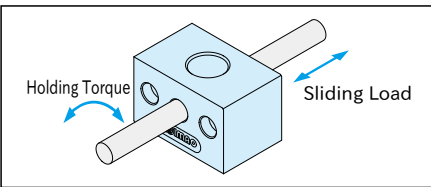
Note

- 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.
- Manual unclamping is not possible.
- 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)
PSLC10-5L	0.5~0.7	0.5	100
PSLC12-5L		0.6	
PSLC16-5L		1.2	140
PSLC20-5L		1.5	

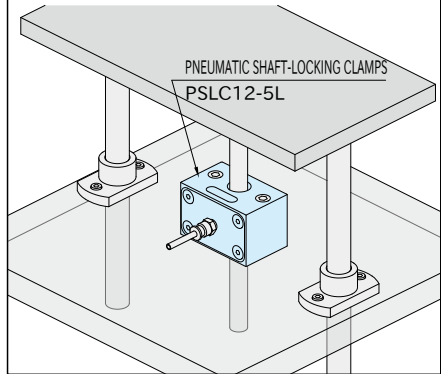


Application Example

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

Sliding shaft locking

Lock for position adjustment



Sliding shaft locking

Slip prevention from backlash of linear slides

