## **PBLC**

### PNEUMATIC BALL-LOCKING CLAMPS









PBLC1023S-SUS

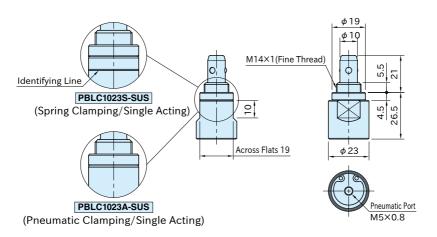
PBLC1023A-SUS

(Spring Clamping/Single Acting) (Pneumatic Clamping/Single Acting)

## ★Key Point —

Two clamping types are available.

Во	dy	Shaft	Ball	Spring	Retaining Ring	Seal
1	iless	I FIECTROIESS DICKEI DISTER	SUS440C stainless steel Quenched and tempered			Nitrile rubber (NBR)



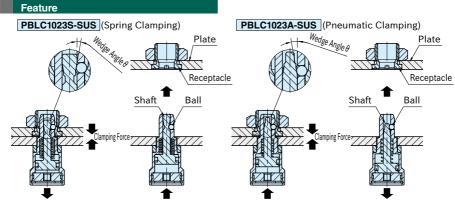
Part Number	Operating Air Pressure (MPa)	Clamping Force (N)	Weight (g)	Proper Receptacle
PBLC1023S-SUS	0.0- 0.7	50	71	PBLC-M16-SUS
PBLC1023A-SUS	0.3~0.7	150 *)		

\*) The clamping force above is at 0.5 MPa.

PBLC-M	BALL-LOCK RECEPTACLE

#### Note

- PBLC1023S-SUS has an identifying line and PBLC1023A-SUS does not.
- ·Use clean air by removing moisture and debris with an air dryer and air filter.
- · Impurities in the compressed air can cause malfunction.

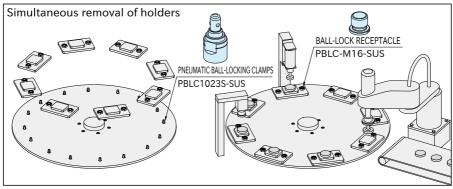


- Air Release (Clamping) Air Supply (Unclamping) Air Supply (Clamping) Air Release (Unclamping)
- •The shaft pushes out the balls onto the tapered surface of the receptacle to pull down the plate.
- ·The wedge clamping prevents the plate from lifting up.
- ·Spring clamping type can keep clamping without air supply.

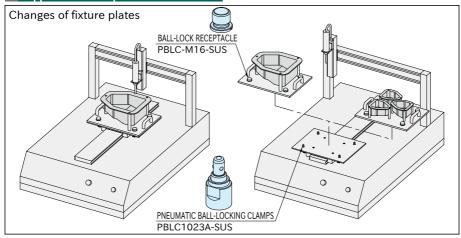
#### **Performance Curve**

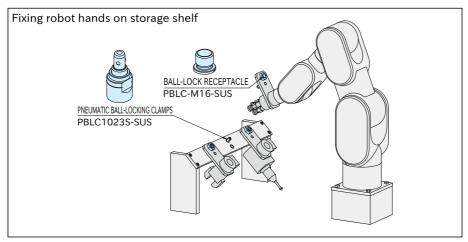
PBLC1023S-SUS (Spring Clamping)	PBLC1023A-SUS (Pneumatic Clamping)
Clamping Force (N) (N) 150	(Z) 400 Holding Force  200 Clamping Force  200 O.1 0.2 0.3 0.4 0.5 0.6 0.7
	O Air Pressure (MPa)

#### **Application Example**

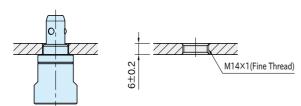


#### **Application Example**





#### ■ Hole Preparation



#### ■ Machining Accuracy Spacing tolerance for multiple use should be ±0.1.

# ■ Repeatability Repeatability is ±0.2. For higher accurate locating, use locating pins.