



# Air Cylinder with Drop Prevention Mechanism

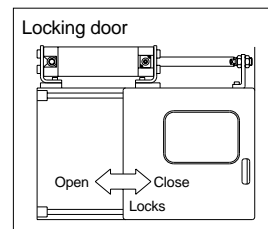
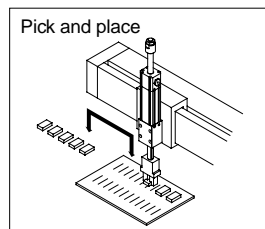
## — Cylinder with End Lock & Cylinder with Lock —

Prevents dropping when air supply decreases or residual pressure is exhausted

### ■ Cylinder with End Lock

#### Drop prevention at stroke end

- Locks when air is exhausted at the stroke end.
- Separate air piping is not required for locking.



<b>Series CBM2</b>  Bore size: ø20 to ø40 Locking position: Both ends	<b>Series CBG1</b>  Bore size: ø20 to ø100 Locking position: Both ends	<b>Series CBA1</b>  Bore size: ø40 to ø100 Locking position: Both ends	<b>Series MBB</b>  Bore size: ø32 to ø100 Locking position: Both ends
<b>Series CBQ2</b>  Bore size: ø20 to ø100 Locking position: Both ends	<b>Series MGP</b>  Bore size: ø20 to ø100 Locking position: Both ends	<b>Series CXS</b>  Bore size: ø6, ø10, ø15, ø20 to ø32 Locking position: Retracted end	<b>Series CXW</b>  Bore size: ø10, ø16 to ø32 Locking position: Both ends
<b>Series MTS</b>  Bore size: ø12, ø16 to ø40 Locking position: Retracted end	<b>Series MXS</b>  Bore size: ø8, ø12, ø16 to ø25 Locking position: Retracted end	<b>Series MXQ</b>  Bore size: ø8, ø12, ø16 to ø25 Locking position: Retracted end	<b>Series MY1H</b>  Bore size: ø16 to ø40 Locking position: Both ends

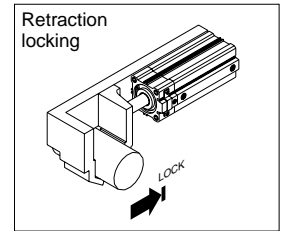
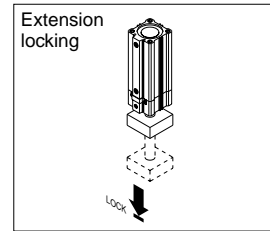
Series	Locking position	Bore size (mm)														
		6	8	10	12	15	16	20	25	32	40	50	63	80	100	
Air cylinders	CBM2	Both ends							●	●	●	●				
	CBG1	Both ends							●	●	●	●	●	●	●	●
	CBA1	Both ends									●	●	●	●	●	●
	MBB	Both ends									●	●	●	●	●	●
Compact cylinder	CBQ2	Both ends							●	●	●	●	●	●	●	●
Compact guide cylinder	MGP	Both ends							●	●	●	●	●	●	●	●
Dual rod cylinder	CXS	Retracted end	●		●		●		●	●	●					
Slide unit	CXW	Both ends			●			●	●	●	●					
Precision cylinder	MTS	Retracted end				●		●	●	●	●	●				
Air slide table	MXS	Retracted end		●		●		●	●	●						
	MXQ	Retracted end		●		●		●	●	●						
Mechanically jointed rodless cylinder	MY1H	Both ends						●	●	●	●	●				

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# ■ Cylinder with Lock

Can be locked at any stroke position

- Emergency stop and intermediate stop are possible.
- Locking position can be changed to accommodate an exterior stopper position or the thickness of clamped work pieces.



**Series CLJ2**




Bore size	Locking direction
ø16	Both directions

**Series CLM2**




Bore size	Locking direction
ø20 to ø40	Both directions

**Series CNG**




Bore size	Locking direction
ø20 to ø40	Both directions

**Series CNA**



Bore size	Locking direction
ø40 to ø100	Both directions

**Series MNB**



Bore size	Locking direction
ø32 to ø100	Both directions

**Series CNS**



Bore size	Locking direction
ø125 to ø160	Both directions

**Series CLS**



Bore size	Locking direction
ø125 to ø250	Both directions

**Series CL1**




Bore size	Locking direction
ø40 to ø160	One direction

**Series CLQ**




Bore size	Locking direction
ø40 to ø100	One direction

**Series MLGP**



Bore size	Locking direction
ø40 to ø63	One direction

**Series MLGC**



Bore size	Locking direction
ø20 to ø40	Both directions

**Series CLK1**



Bore size	Locking direction
ø32 to ø63	One direction


**Series ML1C**
















Bore size	Locking direction
ø25 to ø40	Both directions

Series	Locking method	Locking direction	Bore size (mm)															
			16	20	25	32	40	50	63	80	100	125	140	160	180	200	250	
Air cylinders	CLJ2	Lever + Wedge	Both directions	●														
	CLM2	Lever + Wedge	Both directions		●	●	●	●										
	CNG	Ball + Taper ring	Both directions		●	●	●	●										
	CNA	Ball + Taper ring	Both directions					●	●	●	●	●						
	MNB	Ball + Taper ring	Both directions				●	●	●	●	●							
	CNS	Ball + Taper ring	Both directions									●	●	●				
	CLS	Eccentric cam	Both directions									●	●	●	●	●	●	●
	CL1	Cam plate	One direction					●	●	●	●	●	●	●				
Compact cylinder	CLQ	Cam plate	One direction				●	●	●	●								
Compact guide cylinder	MLGP	Cam plate	One direction				●	●	●									
Cylinder with guide	MLGC	Lever + Wedge	Both directions		●	●	●	●										
Clamp cylinder	CLK1	Cam plate	One direction				●	●	●	●								
Mechanically jointed rodless cylinder	ML1C		Both directions			●	●	●										

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