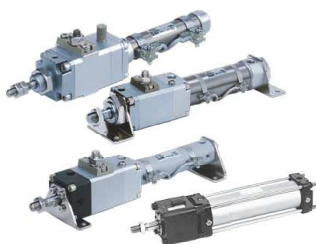


## Fine Lock Cylinders

### Fine Lock/Lock-up Cylinder **CL□/CDL□**



- Locking cylinder ideal for intermediate stops, emergency stops, and drop prevention (Bi-directional lock)
- \* CL1: Single-directional lock
- With auto switch (CDL□ series: CDLJ2, CDLM2, CDLG1, CDL1)

Type	Series	Action	Bore size [mm]	Lock mechanism
Fine lock cylinder	CLJ2	Double acting, Single rod	16	Spring lock, Air pressure lock, Spring/Air pressure lock
Fine lock cylinder	CLM2	Double acting, Single rod	20, 25, 32, 40	
Fine lock cylinder	CLG1	Double acting, Single rod	20, 25, 32, 40	
Lock-up cylinder	CL1	Double acting, Single rod	40, 50, 63, 80, 100, 125, 140, 160	Spring lock

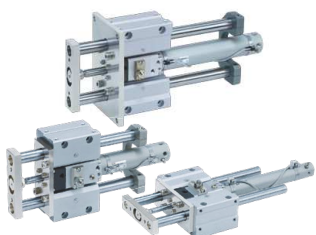
### Fine Lock Cylinder **CLA2/CDLA2**



- Locking cylinder ideal for intermediate stops, emergency stops, and drop prevention (Bi-directional lock)
- Magnetic field resistant 2-color indicator solid state auto switch D-P3DW□ series mountable
- With auto switch (CDLA2 series: CDLA2)

Type	Series	Action	Bore size [mm]	Lock mechanism
Fine lock cylinder	CLA2	Double acting, Single rod	40, 50, 63, 80, 100	Spring lock, Air pressure lock, Spring/Air pressure lock
Fine lock cylinder	CLA2W	Double acting, Double rod	40, 50, 63, 80, 100	

### Guide Cylinder/Built-in Fine Lock Cylinder Compact Type **MLGC**



- This linear transfer unit integrates a locking cylinder (Ideal for intermediate stops, emergency stops, and drop prevention) and a guide. (Bi-directional lock)

Type	Bearing	Series	Action	Bore size [mm]	Lock mechanism
Standard	Slide bearing	MLGCM	Double acting, Single rod	20, 25, 32, 40	Spring lock, Spring/Air pressure lock, Air pressure lock
Standard	Ball bushing bearing	MLGCL	Double acting, Single rod	20, 25, 32, 40	

## Lock Cylinders

### Cylinder with Lock **CNG/CDNG**



- Locking cylinder ideal for intermediate stops, emergency stops, and drop prevention (Bi-directional lock)
- With auto switch (CDNG series: CDNG)

Type	Series	Action	Bore size [mm]	Lock mechanism
Standard	CNG	Double acting, Single rod	20, 25, 32, 40	Spring lock

### Cylinder with Lock **MNB/MDNB**



- Locking cylinder ideal for intermediate stops, emergency stops, and drop prevention (Bi-directional lock)
- With auto switch (MDNB series: MDNB, MDNBW)

Type	Series	Action	Bore size [mm]	Lock mechanism
Standard	MNB	Double acting, Single rod	32, 40, 50, 63, 80, 100	Spring lock
Standard	MNBW	Double acting, Double rod	32, 40, 50, 63, 80, 100	Spring lock

## Lock Cylinders

### Cylinder with Lock **CNA2/CDNA2**



- Locking cylinder ideal for intermediate stops, emergency stops, and drop prevention (Bi-directional lock)
- Magnetic field resistant 2-color indicator solid state auto switch D-P3DW□ series mountable
- With auto switch (CDNA2 series: CDNA2, CDNA2W)

Type	Series	Action	Bore size [mm]	Lock mechanism
Standard	CNA2	Double acting, Single rod	40, 50, 63, 80, 100	Spring lock
Standard	CNA2W	Double acting, Double rod	40, 50, 63, 80, 100	Spring lock

### Cylinder with Lock **CNS/CDNS**



- Locking cylinder ideal for intermediate stops, emergency stops, and drop prevention (Bi-directional lock)
- With auto switch (CDNS series: CDNS)

Type	Series	Action	Bore size [mm]	Lock mechanism
Standard	CNS	Double acting, Single rod	125, 140, 160	Spring lock

### Cylinder with Lock **CLS/CDLS**



- Locking cylinder ideal for intermediate stops, emergency stops, and drop prevention (Bi-directional lock)
- With auto switch (CDLS series: CDLS)

Type	Series	Action	Bore size [mm]	Lock mechanism
Standard	CLS	Double acting, Single rod	125, 140, 160, 180, 200, 250	Spring lock

### Compact Cylinder with Lock **CLQ/CDLQ**



- Locking cylinder ideal for drop prevention when the air supply is shut off (Single-directional lock)
- With auto switch (CDLQ series: CDLQ)

Type	Series	Action	Bore size [mm]	Lock mechanism
Standard	CLQ	Double acting, Single rod	20, 25, 32, 40, 50, 63, 80, 100	Spring lock

### Compact Cylinder with Air Cushion and Lock **RLQ/RDLQ**



- Locking cylinder ideal for drop prevention when the air supply is shut off
- Compact cylinder with a built-in air cushion and lock unit (Single-directional lock)
- With auto switch (RDLQ series: RDLQ)

Type	Series	Action	Bore size [mm]	Lock mechanism
Standard	RLQ	Double acting, Single rod	32, 40, 50, 63	Spring lock

## Lock Cylinders

### Plate Cylinder with Lock **MLU/MDLU**



- Locking cylinder ideal for drop prevention when the air supply is shut off (Single-directional lock)
- With auto switch (MDLU series: MDLU)

Type	Series	Action	Bore size [mm]	Lock mechanism
Standard	MLU	Double acting, Single rod	25, 32, 40, 50	Spring lock

### Compact Guide Cylinder with Lock **MLGP**



- Compact guide cylinder with a built-in lock mechanism ideal for drop prevention when the air supply is shut off (Single-directional lock)

Type	Bearing	Series	Action	Bore size [mm]	Lock mechanism
Standard	Slide bearing	MLGPM	Double acting, Single rod	20, 25, 32, 40,	Spring lock
Standard	Ball bushing bearing	MLGPL	Double acting, Single rod	50, 63, 80, 100	Spring lock

### Mechanically Jointed Hy-rodless Cylinder with Brake **ML1C**



- A brake mechanism has been compactly integrated into the slide table.
- Enables intermediate stops

Type	Series	Action	Bore size [mm]
Cam follower guide	ML1C	Double acting	25, 32, 40

## Specialty Cylinders

### Sine Rodless Cylinder **REA**



- Allows the high-speed transfer of a workpiece which must avoid shock/impact
- Maximum speed: 300 mm/s

Type	Series	Action	Bore size [mm]
Basic	REA	Double acting	25, 32, 40, 50, 63
Direct mount	REAR	Double acting	10, 15, 20, 25, 32, 40
Slider (Slide bearing)	REAS	Double acting	10, 15, 20, 25, 32, 40
Slider (Ball bushing bearing)	REAL	Double acting	10, 15, 20, 25, 32, 40
Linear guide (Single axis)	REAH	Double acting	10, 15, 20, 25
Linear guide (Double axis)	REATH	Double acting	25, 32

### Sine Rodless Cylinder **REB**



- Allows the high-speed transfer of a workpiece which must avoid shock/impact
- Maximum speed: 600 mm/s

Type	Series	Action	Bore size [mm]
Direct mount	REBR	Double acting	15, 25, 32
Linear guide (Single axis)	REBH	Double acting	15, 25
Linear guide (Double axis)	REBHT	Double acting	25, 32