

# Higher precision, higher rigidity, easier to use.

Installation holes on two sides

Wide linear guide

Slide table

Laterally symmetrical stopper

Rear piping ports are available as standard for all bore sizes

Cylinder switch mounting groove

\* The picture shows the standard product.

## Higher precision

The linear guide table surface serves as a slide table, and thus provides higher precision than conventional models.

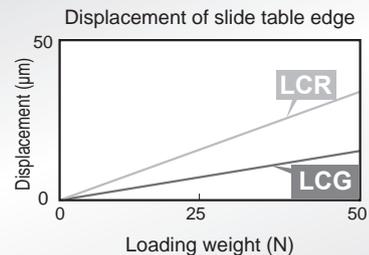
Parallelism of 0.03 mm ( $\varnothing 12$  with 30 mm stroke length)  
End plate squareness of 0.05 mm

## Higher rigidity

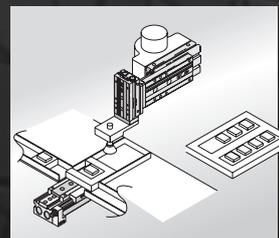
A stainless steel or steel slide table has been adopted instead of the conventional aluminum slide table. It increases rigidity when combined with a wide guide.

## Easy to use, too

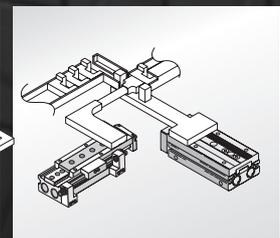
No more complicated work for designing the cylinder and linear slide system individually. Work hours for designing have been reduced. Designing is more flexible and usability is more enhanced with laterally symmetrical installation of stoppers and multi-side piping.



### Applications



Conveying small parts to the tray for storage and from the tray for supply



Conveying small parts

# LCG Series

Linear slide cylinder

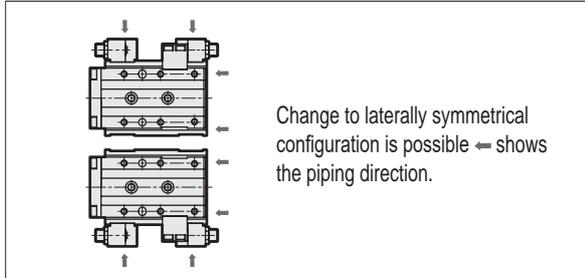
- SCPD3
- SCM
- SSD2
- MDC2
- SMG
- LCM
- LCR
- LCG**
- LCX
- STM
- STG
- STR2
- MRL2
- GRC
- Cylinder switch
- MN3E  
MN4E
- 4GA/B
- M4GA/B
- MN4GA/B
- FR (module unit)
- Clean F.R
- Precision R
- Press gauge  
Diff. press gauge
- Electro-pneumatic R
- Speed controller
- Auxiliary valve
- Fitting/tube
- Clean air unit
- Pressure sensor
- Flow rate sensor
- Valve for air blow
- Ending

A high-precision, high-rigidity wide guide is attached to the air cylinder.  
 The linear guide table surface serves as a slide table.  
 Greater usability with unprecedented precision and rigidity.  
 Linear slide cylinder LCG Series (ø6/ø8/ø12/ø16/ø20/ø25)

### Increased flexibility in design

Designing is more flexible with the laterally symmetrical stoppers, multi-side piping, two-side installation and positioning hole availability.

■ Modification to the laterally symmetrical configuration is possible.

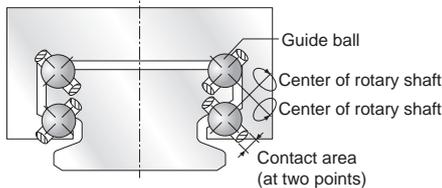


### Guide balls aligned in four rows on the linear guide (ø12 and over)

Guide balls aligned in four rows ensure the stable operation in all load directions.

The contact area of the guide balls is smaller than that in the two-row configuration with minimum friction resistance and enables smooth precision operation with a rigid body.

■ Aligned in four rows contacting at two points



### RoHS Directive compliant

Free from environmentally harmful substances such as lead and hexavalent chromium.

### LCG Series variation

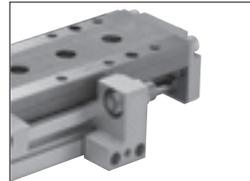
Model variations	Bore size	Stroke (mm)												
		10	20	30	40	50	75	100	125	150				
Double acting/single rod (Clean room specifications) <b>LCG-P7*</b>	ø6													
	ø8													
	ø12													
	ø16													
	ø20/ø25													

### A wide variety of options and variations

The standard, position locking and clean room specifications are available.

The options include a stroke adjusting stopper, shock absorber stopper and more.

\* A shock absorber stopper cannot be used with the clean specifications.



■ Stroke adjusting stopper  
 Adjusting range on one side: 0 to 5 mm

### Anti-rust (ø20, ø25)



The table and rail surfaces are anti-rust treated to withstand high humidity in ambient environment, for example near an ionizer.

### 2-color display switch is available

The proximity 2-color display switch can be mounted.

It does not protrude from the body and thus contributes to the plain and simple appearance of the cylinder.

- SCPD3
- SCM
- SSD2
- MDC2
- SMG
- LCM
- LCR
- LCG**
- LCX
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- STG
- STR2
- MRL2
- GRC
- Cylinder Switch
- MN3E
- MN4E
- 4GA/B
- M4GA/B
- MN4GA/B
- F.R. (module unit)
- Clean F.R
- Precision R
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- Diff. press gauge
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