SCP*2 CMK2 CMA₂ SCM SCG SCA2 SCS CKV2 CA/OV2 SSD CAT MDC2 MVC SMD2 MSD* FC* STK ULK* JSK/M2 JSG JSC3 USSD USC JSB3 LMB STG STS/L LCS LCG LCM LCT LCY STR2 UCA₂ **HCM HCA** SRL2 SRG SRM SRT MRL2 MRG2 SM-25 CAC3 UCAC RCC2 MFC SHC GLC

High accuracy, rigidity and easier use. Wide linear guide Mounting holes on two faces

Slide table

Left/right symmetrical stoppers

Standard rear piping ports provided on all bore sizes

Cylinder switch mounting groove

Higher accuracy

The linear guide's table face is used as the slide table, thus realizing a higher accuracy compared to conventional products.

Parallelism 0.03mm (ϕ 12-30 mm stroke) End plate perpendicularity 0.05mm

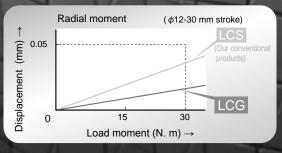
Easier use

Hassles for designing the cylinder and linear slide separately have been eliminated, thus reducing the design man-hours. The freedom of design and ease-of-use have been enhanced with left/right symmetrical mounting of stoppers and multi-face piping, etc.

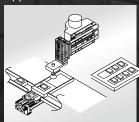
Linear slide cylinder

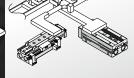
Higher rigidity

The slide table material has been changed from the conventional aluminum material to stainless steel or steel. A higher rigidity is achieved when used in combination with the wide guide.



Applications





Small parts stored on the tray or Feed of small parts supplied from the tray

Ending

A wide guide, featuring high accuracy and high rigidity, has been mounted on the air cylinder. The linear guide table face is used as the slide table, thus realizing ease-of-use with an unprecedented accuracy and rigidity. Linear slide cylinder LCG Series. (ϕ 6, ϕ 8, ϕ 12, ϕ 16, ϕ 20, ϕ 25)



SCP*2

CMK2

CMA₂ SCM SCG SCA2

SCS CKV2

CA/OV2

SSD

CAT

MDC2

MVC

SMD2 MSD FC*

STK

ULK' JSK/M JSG JSC3 USSE

USC

JSB3

LMB

STG

STS/L

LCS

LCG

LCM

LCT

LCY STR2

UCA2 HCM

HCA

SRL₂

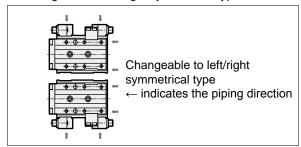
SRG

SRM SRT MRI 2

High freedom of design

This product's freedom of design is particularly high with the left/right symmetrical stopper, multi-face piping, two-face mounting and positioning hole, etc.

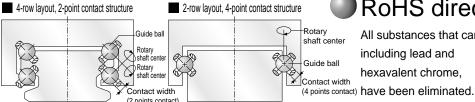
Changeable to left/right symmetrical type



Linear guide with four rows of quide balls (Excluding ϕ 6, 8)

The guide balls are arranged in four rows to enable stable operation in all load directions.

The guide ball contact width is small compared to the two-row layout guide, so the frictional resistance when turning can be reduced. This structure enables smooth movement and enhances accuracy and rigidity.

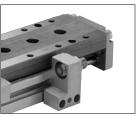


Wide option and variation

The standard type, position locking type and clean specification type models are available.

Options include a stroke adjustment stopper and shock absorption type stopper, etc.

* The shock absorber type stopper cannot be selected for the clean specifications.





Stopper for adjustable stroke Shock absorber type Single-side adjustment range 0 to 5mm

stopper Shock is absorbed at stroke end

2-color switch

The 2-color indicator switch can be selected.

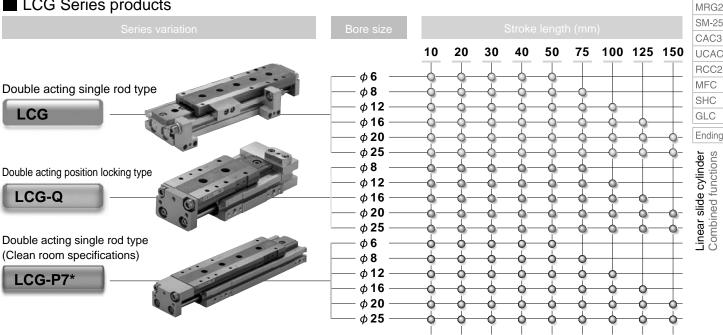
This switch provides a flush design without no protrusions.

RoHS directive complied

All substances that can adversely affect the environment, including lead and

hexavalent chrome,

LCG Series products



^{*} Rust proof treated parts are available as custom orders. Refer to page 1759 for details.



Series variation

SCP*2

CMK2

CMA2

SCM

SCG

SCA2

SCS CKV2

CA/OV2

SSD

CAT

MDC2

MVC

SMD2

MSD*

FC*

STK ULK*

JSK/M2

JSG

JSC3

USSD

USC

JSB3

LMB

STG

STS/L

LCS

LCG

LCM

LCT

LCY

STR2

UCA2

НСМ

HCA

SRL2

SRG

SRM

SRT

MRL2

MRG2

SM-25

CAC3

UCAC

RCC2

MFC SHC

GLC

Linear slide cylinder LCG Series



Option Stopper for adjustable stroke Shock absorber type stopper Stopper position $\textcircled{1} \boldsymbol{\cdot} \textcircled{3}$ 4 Stopper position (1) • ③ Stopper position (2) • (4) Stopper position $\ensuremath{\mathbb{Q}}$. Switch Stopper position (4) Stopper position (1) Stopper position ② Stopper position ③ Stopper position (1) Stopper position ② Stopper position ③ Stopper position (4) Model no. Bore size Variation Stroke length (mm) JIS symbol (mm) 75 100 125 150 S1 S2 S3 S4 S5 S6 A2 А3 A4 A6 10 20 30 40 50 Α1 Α5 φ6 lacktrianglelacktrianglelacktriangleφ8 LCG Double acting single rod \bigcirc \bigcirc 1706 lacktrianglelacktriangleφ 12 type lacktriangle ϕ 16 ϕ 20, ϕ 25 φ8 LCG-Q φ 12 Double acting position \bigcirc \bigcirc \bigcirc 0 \bigcirc 1728 locking type ϕ 16 lacktriangle ϕ 20, ϕ 25 φ6 lacktrianglelacktrianglelacktriangleφ8 LCG-P7* Double acting single rod type lacktriangle \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc 1736 φ 12 clean room specifications lacktrianglelacktriangle ϕ 16 ϕ 20, ϕ 25

SCP*2
CMK2
CMA2
SCM
SCG
SCA2
SCS
CKV2
CA/OV2
SSD
CAT
MDC2
MVC
SMD2
MSD*

SMD2
MSD*
FC*
STK
ULK*
JSK/M2
JSG
JSC3
USSD
USC
JSB3
LMB
STG
STS/L

LCM
LCT
LCY
STR2
UCA2
HCM
HCA
SRL2
SRG
SRM
SRT

LCS

LCG

MRL2 MRG2 SM-25 CAC3 UCAC RCC2 MFC SHC

Linear slide cylinder Gombined functions



CMK2 CMA2 SCM

SCG SCA2 SCS

CKV2

SSD CAT

MDC2

MVC

SMD2

MSD*

STK

ULK*

JSK/M2

JSG

JSC3 USSD

USC

JSB3

LMB

STG

STS/L

LCS

LCG

LCM

LCT

LCY

STR2

UCA2

HCM HCA

SRL2

SRG

SRM

SRT

MRL2 MRG2

SM-25

CAC3

UCAC

RCC2 MFC

SHC GLC

Ending

Pneumatic components

Safety precautions

Always read this section before starting use. Refer to Intro 67 for general precautions.

Linear slide cylinder LCG Series

Design & Selection

1. Common

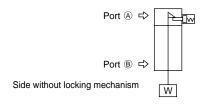
A CAUTION

- Select the cylinder based on the "LCG selection guide " on pages 1752 to 1755.
- When using the cylinder where it could be subject to water or oil exposure, where it could corrode, or where high levels of dust are present, the cylinder could be damaged or malfunction. Protect the product with a cover.
- Cautions of type with switch
 - When using the T*V switch with the cylinder with a stopper for adjustable stroke (S3**, S4**, S5**, S6**) or shock absorber stopper (A3**, A4**, A5**, A6**), the head side switch could interfere with the stopper. Install the switch on the side opposite the stopper.
 - When using a switch with a stroke of less than 30, one switch is installed in each of the two grooves on the body. Check the direction of leads in design.
- A powerful magnet placed near this product could magnetize the table and cause the switch to malfunction.

2. Position locking type LCG-Q

▲ WARNING

■ If pressure is supplied to port (A) in the locked state with neither port pressurized, locks may not be releasable or may be released suddenly, causing the piston rod to pop out, which is extremely dangerous. When releasing the locking mechanism, supply pressure to port (B) and check that no load is applied to the locking mechanism.



- If lowering speed is to be increased with the quick exhaust valve, the cylinder may move out faster than the lock pin and prevent the locking pin from being released correctly. Do not use a quick exhaust valve with the cylinder with position locking.
- Do not use a 3-position valve.

Do not use this cylinder combined with 3-position valve, especially that with a closed center metal seal. The lock is not applied if pressure is sealed on the port having the lock. Even if locked once, air leakage from the valve may enter the cylinder then the lock may be released over time.

A CAUTION

- If negative pressure is applied to the locking mechanism, the lock may be released. Use the solenoid valve as a discrete unit, or use an independently exhausted manifold.
- Do not use multiple cylinders synchronized.

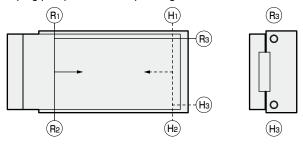
Do not move more than one workpiece using more than two cylinders with position locking mechanism simultaneously. One of the cylinder's locks may not be released.

Installation & Adjustment

1. Common; piping

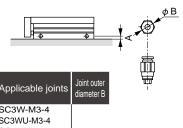
A CAUTION

■ When changing a piping port position, apply adhesive to M3, M5 plug (hexagon socket head set screw). Use a lowstrength adhesive such as LOCTITE 222/221, or ThreeBond 1344. ■ Piping port position and operating direction



 ${\Bbb R}$ indicates the rod end pressurizing port and ${\Bbb H}$ indicates the head end pressurizing port. When shipped from the factory, the ports other than ${\Bbb R}$ and ${\Bbb H}$ are sealed with plugs. This may be ${\Bbb R}$ and ${\Bbb H}$ depending on the stopper position if a stopper is selected.

■ Precautions for piping joint Install a flow control valve when piping. The applicable joints are shown as below.



Installation & Adjustment

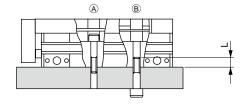
Bore size (mm)	Port size	Port dimension A	Applicable joints	Joint outer diameter B	
φ6	МЗ	4	SC3W-M3-4 SC3WU-M3-4 SC3W-M3-3.2 SC3WU-M3-3.2 GWS3-M3-S GWS4-M3-S	φ8 or less	
φ8		5.5	SC3W-M5-4 SC3W-M5-6	φ 11	
φ 12		5.5	GWS4-M5-S GWS4-M5	or less	
φ 16	M5	6.5	SC3W-M5-4 SC3W-M5-6 GWS4-M5-S GWS4-M5 GWL4-M5 GWL6-M5 GWS6-M5	φ13 or less	
φ 20	Rc1/8	8	SC3W-6-4,6,8 GWS4-6 GWS8-6	φ 15	
φ 25	KU1/8	9	GWL6-6 GWS6-6 GWL4-6	or less	

2. Common; installation

A CAUTION

- Check that no dents or scratches occur on main tubing installation or end plates that may adversely affect flatness. Maintain flatness of the corresponding installed component on the body or table at 0.02 mm or less.
- Observe the following values for the bolt insertion length and tightening torque when installing this product.

<Fig. 1>



Descriptions			В				
Descriptions	Applicable bolts	Tightening torque (N • m)	Applicable bolts	Tightening torque (N • m)	Max. screw depth L (mm)		
LCG-6	M3 x 0.5	0.6 to 1.1	M4 x 0.7	1.4 to 2.4	6		
LCG-8	M3 x 0.5	0.6 to 1.1	M4 x 0.7	1.4 to 2.4	6		
LCG-12	M4 x 0.7	1.4 to 2.4	M5 x 0.8	2.9 to 5.1	8		
LCG-16	M5 x 0.8	2.9 to 5.1	M6 x 1.0	4.8 to 8.6	9		
LCG-20	M5 x 0.8	2.9 to 5.1	M6 x 1.0	4.8 to 8.6	9		
LCG-25	M6 x 1.0	4.8 to 8.6	M8 x 1.25	12.0 to 21.6	12		

■ Observe the following bolt insertion lengths and tightening torque when installing the jig on the slide table or end plate. <Fig. 2>

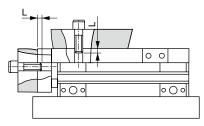
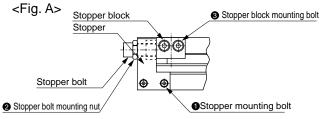


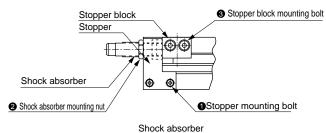
	Table								
Descriptions	rable								
2000p.ii.00	Applicable bolts	Tightening torque (N • m)	Max. screw-in length L (mm)						
LCG-6	M3 x 0.5	0.6	3						
LCG-8	M3 x 0.5	0.6	3						
LCG-12	M4 x 0.7	1.4	4						
LCG-16	M5 x 0.8	2.9	5						
LCG-20	M5 x 0.8	2.9	5						
LCG-25	M6 x 1.0	4.8	6						

Descriptions	End plate								
Descriptions	Applicable bolts	Tightening torque (N • m)	Screw-in length L (mm)						
LCG-6	M3 x 0.5	0.6	4.5 to 6						
LCG-8	M3 x 0.5	0.6	4.5 to 7						
LCG-12	M4 x 0.7	1.4	6 to 9						
LCG-16	M5 x 0.8	2.9	7.5 to 9						
LCG-20	M5 x 0.8	2.9	7.5 to 11						
LCG-25	M6 x 1.0	4.8	9 to 11						

■ Observe the following valves for bolts at the stopper and in nut tightening torque.



Hexagon socket set screw with rubber cushion



1 Stopper	2 Stopper bolt mounting nut	3 Stopper block
mounting bolt	2 Shock absorber mounting nut	mounting bolt
(N∙m)	(N∙m)	(N∙m)
0.4 to 0.5	1.2 to 2.0	0.6 to 0.8
0.4 to 0.5	1.2 to 2.0	0.6 to 0.8
0.6 to 0.8	1.2 to 2.0	0.6 to 0.8
0.6 to 0.8	3.0 to 4.0	1.4 to 1.8
2.9 to 3.5	4.5 to 6.0	1.4 to 1.8
	mounting bolt (N·m) 0.4 to 0.5 0.4 to 0.5 0.6 to 0.8	mounting bolt (N·m) (N·m) 0.4 to 0.5 1.2 to 2.0 0.4 to 0.5 1.2 to 2.0 0.6 to 0.8 1.2 to 2.0 0.6 to 0.8 3.0 to 4.0

4.5 to 6.0

LCG-25

2.9 to 3.5

SCP*2 CMK2 CMA2 SCM SCG SCA2 SCS CKV2 CA/OV2

CAT MDC2 MVC SMD2 MSD* FC* STK ULK* JSK/M2 JSG

SSD

USSD USC JSB3 LMB STG STS/L LCS

JSC3

LCG LCM LCT LCY STR2

UCA2 HCM HCA SRL2 SRG SRM SRT MRL2

MRG2 SM-25 CAC3 **UCAC** RCC2 MFC

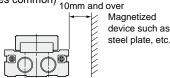
SHC GLC Ending

Linear slide cylinder Combined functions

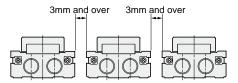
SCP*2 CMK2 CMA₂ SCM SCG SCA2 SCS CKV2 CA/OV2 SSD CAT MDC2 MVC

SMD2 MSD* FC* STK ULK* JSK/M2 JSG JSC3 USSD USC JSB3 LMB STG STS/L LCS LCG LCM LCT LCY STR2 UCA2 **HCM HCA** SRL2 SRG SRM SRT MRI 2 MRG2 SM-25 CAC3 UCAC RCC2 MFC SHC GLC

■ The cylinder switch could malfunction if there is a magnetic body, such as a steel plate, near the cylinder switch. Separate the magnetic body by at least 10mm or more from the cylinder surface, or change the cylinder switch mounting surface for safe use. (All bore sizes common) 10mm and over



■ The cylinder switch may malfunction if cylinders are installed adjacently. Separate cylinders by the following distance. (All bore sizes common)



■ The CKD shock absorber is treated as a consumable. Replace the shock absorber if energy absorption performance drops or if movement is no longer smooth.

3. Position locking type LCG-Q

ACAUTION

- The locking mechanism functions at stroke end. If the stopper is applied with the external stopper in the middle of a stroke, the locking mechanism will not function and the load may drop. Before setting the load, check that the locking mechanism functions correctly.
- ■Supply a pressure higher than the minimum working pressure to the port having the locking mechanism.
- If piping on the side with the lock is thin and long, or if the speed controller is separated from the cylinder port, exhaust speed may slow, taking time for the lock to function.

This may also occur if the silencer on the solenoid valve's EXH. port is clogged.

During Use & Maintenance

1. Common

CAUTION

- Apply AFJ grease (THK) to guide rails once a month or every 1,000,000 operations, whichever is sooner.
- Check for table corrosion.

The table is made of martensitic stainless steel ϕ 6 to ϕ 16 or alloy steel ϕ 20 or ϕ 25. Use in a hot, humid environment or contact with water due to condensation, etc., could cause rust.

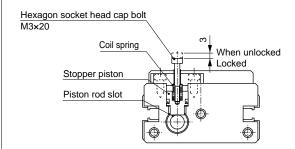
2. Position locking type LCG-Q

CAUTION

- After manually operating the locking mechanism, return the locking mechanism to the original position. Do not use a manual override except during adjustment, because this may be dangerous.
- Release the lock when installing or adjusting the cylinder. The lock could be damaged if the cylinder is installed while the lock is applied.

- Use the flow control valve with meter-out control. Locks may not be released during meter-in control.
- Use the side with the lock with the cylinder stroke end. If the cylinder's piston does not reach the stroke end, the lock may not be applied or may not be released.
- How to release

Screw a hexagon socket head bolt (M3 x 20) into the stopper piston, and pull the bolt up 3 mm with a force of 20N or more. The stopper piston moves and the lock is released during horizontal no-load installation or with the rod port pressurized. When the hand is released, the stopper piston is returned by the internal spring and enters the piston rod slot, locking the cylinder.



Ending

Linear slide cylinder Double acting single rod type

LCG Series

• Bore size: ϕ 6, ϕ 8, ϕ 12, ϕ 16, ϕ 20, ϕ 25

JIS symbol







Specifications

Specific	alions									
Desc	riptions	otions LCG								
Bore size	mm	φ6	φ8	φ 12	φ 16	φ 20	φ 25			
Actuation			Double acting							
Working flu	id			Compre	ssed air					
Max. working	pressure MPa	0.7								
Min. working pressure MPa 0.15 (Note 1)										
Withstanding	pressure MPa		1							
Ambient tem	perature °C		-10 to 60 (no freezing) (Note 2)							
Dort size	Body side surface	M3	M3 M5			Rc1/8				
Port size	Rear body		N	13		M5	Rc1/8			
Stroke toler	ance mm				2.0 (Note 3)					
Working pisto	on speedmm/s		50 to 500 (Note 4)							
Cushion				Rubber o	ushioned					
Lubrication		Not re	Not required (when lubricating, use turbine oil Class 1 ISOVG 32)							
Allowable ene	rgy absorption J		Refer to the table 3 on Page 1752.							

Note 1: 0.2MPa when using shock absorber type stopper with 6 mm diameter.

Note 2: For 6 mm bore cylinder, when using switches, max. ambient temperature is 50°C (45°C when installing on an iron plate).

Note 3: When not using a stopper, a slight gap may exist between the end plate and floating bushing.

Note 4: Use the stopper for adjusting the stroke between 50 and 200 mm/s.

Stroke length

Bore size (mm)	Standard stroke length (mm)
φ6	10, 20, 30, 40, 50
φ8	10, 20, 30, 40, 50, 75
φ 12	10, 20, 30, 40, 50, 75, 100
φ 16	10, 20, 30, 40, 50, 75, 100, 125
φ 20	10, 20, 30, 40, 50, 75, 100, 125, 150
φ 25	10, 20, 30, 40, 50, 75, 100, 125, 150

Note: Stroke length other than above is not available.

SCP*2
CMK2
CMA2
SCM
SCG
SCA2
SCS
CKV2

SCS
CKV2
CA/OV2
SSD
CAT
MDC2
MVC
SMD2
MSD*

MSD*
FC*
STK
ULK*
JSK/M2
JSG
JSC3
USSD
USC
JSB3
LMB

STS/L
LCS
LCG
LCM
LCT
LCY
STR2
UCA2
HCM
HCA

STG

SRL2
SRG
SRM
SRT
MRL2
MRG2
SM-25
CAC3
UCAC
RCC2

MFC SHC GLC Ending

Specifications

Switch specifications

• 1 color/2 color indicator

*The T0/T5 switch can be used with 220 VAC. Consult with CKD for working conditions.

Descriptions	Reed 2 wire							
Descriptions	T0H	/T0V	T5H/T5V					
Applications	Prograr	nmable	Programmable controller, relay, IC					
Applications	controlle	er, relay	circuit (w/o light), serial connection					
Load voltage	12/24 VDC	110 VAC	5/12/24 VDC	110 VAC				
Load current	5 to 50 mA	7 to 20 mA	50 mA or less	20 mA or less				
Light		D ghting)	Without inc	dicator light				
Leakage current	0 mA							

Descriptions	Proximity 2-wire		Proximi	Proximity 3-wire		Proximity 2-wire		ty 3-wire
Descriptions	T2H/T2V	T2WH/T2WV	T3H/T3V	T3WH/T3WV	F2H/F2V	F2YH/F2YV	F3H/F3V	F3YH/F3YV
Applications	Progran	mmable	Prograi	Programmable		mmable	Programmable	
Applications	controller		controller, relay		controller		controller, relay	
Output method		-	NPN output		-		NPN output	
Power voltage		-	10 to 28 VDC		-		10 to 28 VDC	
Load voltage	10 to 30 VDC	24 VDC ±10%	30 VDC	or less	10 to 30 VDC 24 VDC ±10%		30 VDC or less	
Load current	5 to 2	20 mA	100 mA or less 50 mA or less		5 to 20 mA		50 mA or less	
	LED	Red/green	LED	Red/green	LED	Red/green	LED	Red/green
Light		LED		LED		LED		LED
	(ON lighting)	(ON lighting)	(ON lighting)	(ON lighting)	(ON lighting)	(ON lighting)	(ON lighting)	(ON lighting)
Leakage current	1 mA	or less	10 µ A	or less	1 mA or less		10 μ A or less	

Cylinder weight

Basic type

(Unit: g)

Dasic type									(Orne. g)
Bore size		Basic type stroke length (mm)							
(mm)	10	20	30	40	50	75	100	125	150
φ6	150	150	180	220	240	-	-	-	-
φ8	210	210	250	320	350	440	-	-	-
φ 12	480	480	480	530	590	770	920	-	-
<i>φ</i> 16	730	730	730	810	890	1,220	1,410	1,620	-
φ 20	1,260	1,260	1,260	1,380	1,500	1,920	2,210	2,510	2,800
φ 25	2,070	2,070	2,070	2,230	2,430	3,240	3,660	4,080	4,530

Additional variation/option (stopper)

(Unit: g)

Bore size	Option, stopper symbol							
(mm)	S1 to S4	S5/S6	A1 to A4	A5/A6				
φ6	40	60	40	60				
φ8	50	70	50	70				
φ 12	70	110	70	110				
φ 16	130	180	130	180				
φ 20	130	200	130	200				
φ 25	200	270	200	270				

CMK2 CMA2 SCM SCG SCA2 SCS CKV2 CA/OV2 SSD CAT MDC2 MVC SMD2 MSD* FC* STK ULK* JSK/M2 JSG JSC3 USSD USC JSB3 LMB STG STS/L LCS LCG LCM LCT LCY STR2 UCA2 HCM HCA SRL2 SRG

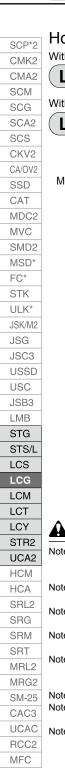
SCP*2

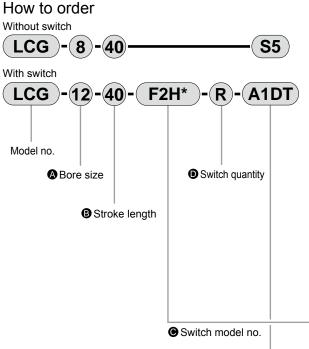
GLC Ending

SRM

SRT MRL2 MRG2 SM-25 CAC3 UCAC RCC2 MFC SHC

Linear slide cylinder Combined functions





A Note on model no. selection

- Note 1: When changing adjustable stroke range, use a discrete stopper for adjustable stroke listed on page 1711.
- Note 2: When using shock absorber type, refer to K in the stopper dimensions table on page 1726.
- Note 3: Refer to stopper dimensions on page 1726 for port positions.
- Note 4: When no stopper, port position of standard type are as following Fig. ① and ③.
- Note 5: The stopper for adjustable stroke and shock absorber stopper combination is available as a custom order.
- Note 6: Selectable only when using a stopper.
- Note 7: Refer to the selection table on Page 1709 for combinations of options.
- Note 8: For ϕ 6 to ϕ 8 cylinders with 10mm stroke or ϕ 12 to ϕ 25 cylinders with 20mm stroke or less, custom order is applied because A1**, A2**, A5** and A6** can not be adjusted by a standard stopper.
- Note 9: For ϕ 6 to ϕ 8 and 30mm stroke or less cylinder with S*** or A*** switch, when two switches will be installed, select F*H type switch.

<Example of model number>

LCG-12-40-F2H-R-A1DT

Model: Linear slide cylinder double acting single rod type LCG

A Bore size : φ 12 B Stroke length : 40 mm

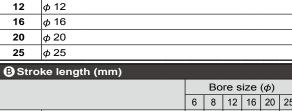
Switch model no. : Proximity, 2-wire

Axial lead wire

Switch quantity : One on rod end

Other options : Shock absorber type

Stopper position ① Side surface and bottom side ports presence Material and alloy steel (nitriding)



Descriptions

Symbol

6

8

A Bore size

 ϕ 6

φ8

B Stro	ke length (mm)						
					ize	(φ)	
		6	8	12	16	20	25
10	10	•	•	•	•	•	•
20	20	•	•	•	•	•	•
30	30	•	•	•	•	•	•
40	40	•	•	•	•	•	•
50	50	•	•	•	•	•	•
75	75		•	•	•	•	•
100	100			•	•	•	•
125	125				•	•	•
150	150					•	•

	100									_	
⊙ Switch model no.											
Axial lead	Radial lead	Contact	Indicator	Lead		Bore size					
wire	wire	Contact	mulcator	wire	φ6	φ8	φ12	φ16	φ20	φ25	
F2H*	F2V*	>	1 color	2-wire							
F3H*	F3V*	Proximity	indicator type	3-wire							
F2YH*	F2YV*	ĕ	2 color	2-wire		_					
F3YH*	F3YV*	п.	indicator type	3-wire							
T0H*	T0V*	Reed	1 color	2-wire							
T5H*	T5V*	Reeu	indicator type	2-WIIE							
T2H*	T2V*	_	1 color	2-wire							
ТЗН*	T3V*	<u>i</u>	indicator type	3-wire							
T2WH*	T2WV*	Proximity	2 color	2-wire							
T3WH*	T3WV*	ш	indicator type	3-wire							
*I and	ina lamant	l-									

*Lead wire length								
Blank	1 m (standard)							
3	3 m (option)	•						
5	5 m (option)				•			

1	Swit	ch quantity
	R	One on rod end
	Н	One on head end
	D	Two

Blank	No option			
S Stop	per for adjustable stroke			
Adju	stable stroke single 5mm	Note 1, Note	5, Not	e 7
S1**	Stopper position ① (chan	geable to ④)		ition
S2**	Stopper position ② (chan	geable to ③)		n positi
		<u> </u>		- □

Option

S1**	Stopper position ① (changeable to ④)	nosition
S2**	Stopper position ② (changeable to ③)	
S3**	Stopper position ③ (changeable to ②)	ję.
S4**	Stopper position ④ (changeable to ①)	l to
S5**	Stopper position ①, ③	Stonner installation
S6**	Stopper position ②, ④	5
A Cha	als also automa atamaan Nata O Nata C Nat	

A Sno	ck absorber type stopper Note 2, Note 5, Not	te /
A1**	Stopper position ① (changeable to ④)	position
A2**	Stopper position ② (changeable to ③)	Sod I
A3**	Stopper position ③ (changeable to ②)	lation
A4**	Stopper position ④ (changeable to ①)	installation
A5**	Stopper position ①, ③	topperi
Δ6**	Stopper position ② ④	호

** section	on Control of the Con
Blank	Port at stopper section: no port
D	Port at stopper section: side surface and bottom side ports presence Note 3, Note 6
Blank	Stopper block material: Rolled steel
Т	Stopper block material: Alloy steel (nitriding) Note 6

Stopper position

SHC

GLC

Ending

LCG double acting single rod type selection table

Model no. symbol

(Combinations of stopper for adjustable stroke and shock absorber type stopper) Option symbol

ľ	available	ation not	. COITIDITI	331016	ιαιίστι μο	. Combi	_			
	per	e stop	er type	osorbe	ock at	Sh	e stroke			
ŀ.	A6	A5	A4	А3	A2	A1	S6	S5		
,	-	-	0	0	-	-	0	0		
Γ.		_	_	_	_	_	_			

Combination possible -: Combination not available

	Bore size	Stroke length	S1	S2	S3	S4	S5	S6	A1	A2	A3	A4	A5	A6
LCG	φ6,φ8	10	0	0	0	0	0	0	-	-	0	0	-	-
		20 and over	0	0	0	0	0	0	0	0	0	0	0	0
	φ 12 to φ 25	10 to 20	0	0	0	0	0	0	-	-	0	0	-	-
		30 and over	0	0	0	0	0	0	0	0	0	0	0	0

Stopper for adjustable

The option symbol D: with stopper section port and T stopper block alloy steel (nitriding) combination follows the combination table above.

SCP*2 CMK2 CMA2 SCM SCG SCA2 SCS CKV2 CA/OV2 SSD CAT MDC2 MVC SMD2 MSD* FC* STK

JSC3 USSD USC JSB3

ULK* JSK/M2 JSG

LMB STG STS/L

LCS LCG LCM LCT

LCY STR2 UCA2 НСМ

HCA SRL2 SRG SRM

SRT MRL2 MRG2 SM-25

CAC3 UCAC RCC2

MFC SHC GLC

Ending

Linear slide cylinder Combined functions

SCP*2 CMK2

CMA2

SCM SCG SCA2 SCS

CKV2

CA/OV2
SSD
CAT
MDC2
MVC
SMD2
MSD*
FC*
STK

ULK* JSK/M2

JSG

JSC3 USSD USC JSB3 LMB

STG

STS/L

LCS

LCG LCM

LCT

LCY

STR2

UCA2

HCM HCA SRL2 SRG SRM SRT MRL2 MRG2

SM-25

CAC3 UCAC RCC2 MFC

SHC

GLC

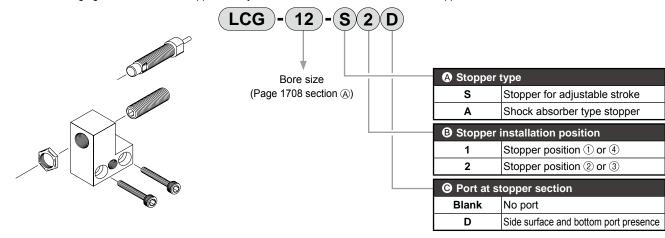
Ending

How to order switch



How to order stopper set

- Stopper section and stopper for adjustable stroke or shock absorber stopper set
- Use when changing from standard to stopper for adjustable stroke or with shock absorber stopper



Precautions for ordering stopper set

- : not available

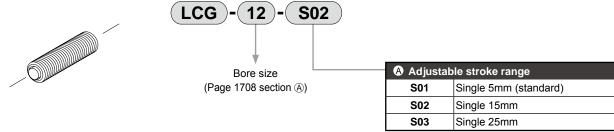
S01 is included in the stopper for
adjustable stroke parts for the stopper for
adjustable stroke set.

Only when installed on installation position (1), (2) (refer to page 1708), add the right part according to stroke length and adjustable stroke length.

Model no.	Option symbol		Discrete stopper for adjustable stroke					
	Ориоп	Syllibol	Adjustable stroke length (mm)					
symbol	Bore size	Stroke length	-5	-15	-25			
	φ6,φ8	10	S02	-	-			
	φ ο, φ ο	20 and over	Additional not required	S02	-			
LCG Series	φ 12 to φ 25	10	S03	-	-			
		20	S02	S03	-			
		30 and over	Additional not required	S02	S03			

How to order the discrete stopper for adjustable stroke

- Hexagon socket head set screw with urethane
- Used when changing the adjustable stroke range or setting custom stroke length



Indicate S01, S02, S03 for (A)

Note: S03 is not available for ϕ 6, ϕ 8.

Depending on the type, the incompatible models or adjustable stroke ranges may differ from the above values.

Cautions when purchasing discrete stopper

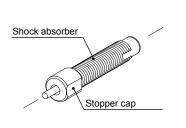
Only when installing a stopper for adjustable stroke or a shock absorber type

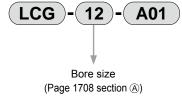
stopper on installation position (1) or (2) (refer to page 1708), the right combination may be applied depending on stroke length ! and adjustable stroke length.

	Model no.	Option symbol		Discrete sto	Discrete shock		
				Adjustab	Adjustable stroke length (mm)		
	symbol	Bore size	Stroke length	-5	-15	-25	stopper
		φ 6, φ 8	10	S02	-	-	-
	LCG Series		20 and over	S01	S02	-	A01
	-S1, S2, S5, S6	4 10 to	10	S03	-	-	-
-A1, A2, A5, A6	φ 12 to φ 25	20	S02	S03	-	-	
		30 and over	S01	S02	S03	A01	

How to order the discrete shock absorber stopper

- Shock absorber and stopper cap set
- Used when changing from stopper for adjustable stroke to shock absorber type stopper





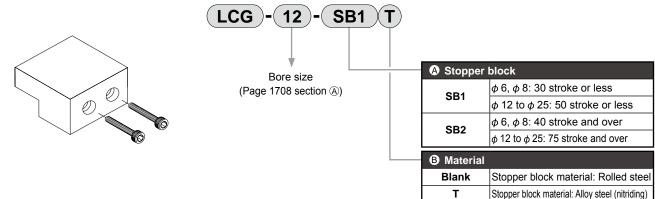
Note:Some models may not be available depending on the type. Refer to Page 1708. Refer to page 1726 for the stroke adjustment range of the shock absorber type stopper.

Applicable shock absorber model No.

Model	Shock absorber model no.				
LCG-6	NCK-00-0.1				
LCG-8	NCK-00-0.3				
LCG-12	NCK-00-0.3				
LCG-16	NCK-00-0.7				
LCG-20	NCK-00-1.2				
LCG-25	NCK-00-1.2				

Discrete stopper block model no. display

• Use when changing from standard to stopper for adjustable stroke or with shock absorber stopper



SCP*2 CMK2 CMA₂ SCM SCG

SCA2 SCS CKV2 CA/OV2 SSD CAT

MDC2 MVC SMD2 MSD*

FC* STK ULK*

- : Not available

JSK/M2 JSG JSC3 USSE USC JSB3 LMB

LCS LCG **LCM**

STG STS/L

LCT LCY

STR2 UCA₂ HCM

HCA SRL₂ SRG

SRM SRT MRL2 MRG2

SM-25 CAC3 UCAC RCC2 MFC SHC

GLC Ending

Internal structure and parts list

• LCG

SCP*2 CMK2

SCM SCG SCA2 SCS CKV2

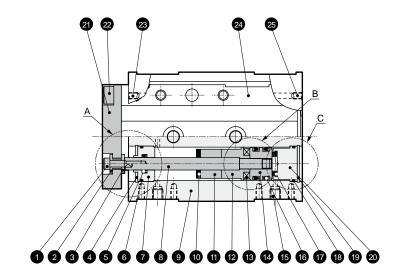
CA/OV2
SSD
CAT
MDC2
MVC
SMD2
MSD*
FC*
STK
ULK*

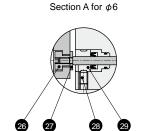
JSK/M2 JSG JSC3 USSD

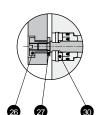
USC JSB3 LMB STG

STS/L LCS LCG LCM LCT LCY

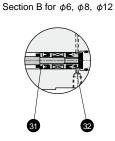
STR2 UCA2 HCM HCA SRL2 SRG SRM SRT MRL2 MRG2 SM-25 CAC3 UCAC RCC2 MFC SHC GLC Ending

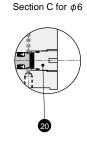






Section A for ϕ 8





Parts list

No.	Parts name	Material	Remarks	No.	Parts name	Material	Remarks		
1	Hexagon socket head cap bolt	ocket head cap bolt Alloy steel Zinc chromate 17 Cushion rubber (Cushion rubber (H)	Urethane rubber				
2	Floating bush A	Alloy steel	Zinc chromate	18	Guard gasket	Nitrile rubber			
3	Floating bush B	Stainless steel		19 C type snap ring ϕ 8:		10	C type enen ring	φ 8: Steel	Only + 0 to 05
	0 +	φ 8:Steel	Only 4 0 to 05	19	C type snap ning	ϕ 12 to 25: Stainless steel	Only φ 8 to 25		
4	C type snap ring	ϕ 12 to 25: Stainless steel	Only φ 8 to 25	20	Guard	Aluminum alloy	Chromate		
5	Rod packing seal Nitrile rubber			21	End plate	Aluminum alloy	Alumite		
6	Metal gasket	Nitrile rubber		22	Hexagon socket head cap bolt	Alloy steel	Zinc chromate		
7	Rod bushing	Aluminum alloy	Alumite	23	Plug	Stainless steel			
8	Piston rod	Stainless steel		0.4	T. I.I.	ϕ 6 to 16: Stainless steel			
9	Cylinder body	Aluminum alloy	Hard alumite	24	Table	φ 20, 25: Steel			
10	Cushion rubber (R)	Urethane rubber		25	Hexagon socket head set screw	Stainless steel			
	Spacer		Only ϕ 6: 10, 40, 50st	26	Floating bush A	Stainless steel			
11		Aluminum alloy	Only φ 8: 10st	27	Floating bush B	Stainless steel			
			Only ϕ 12, 16, 20, 25: 10, 20st	28	Hexagon socket head set screw	Stainless steel	Only ϕ 6		
12	Magnet spacer	Aluminum alloy	Chromate	29	Rod bushing A	Stainless steel			
13	Magnet	Plastic		30	Сар	Aluminum alloy	Chromate		
14	Piston	Aluminum alloy	Chromate	31	Piston A	Aluminum alloy	Chromate		
15	Plug	Stainless steel		32	Piston B	Aluminum alloy	Chromate		
16	Piston packing seal	Nitrile rubber							

Repair parts list

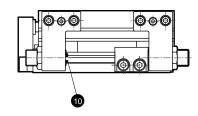
Bore size (mm)	Kit No.	Repair parts number
φ6	LCG-6K	
φ8	LCG-8K	
φ 12	LCG-12K	560
φ 16	LCG-16K	16 17 18
φ 20	LCG-20K	
φ 25	LCG-25K	

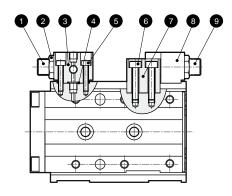
Internal structure and parts list

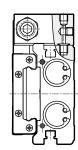
Internal structure and parts list

Configuration with stopper

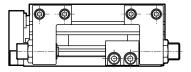
• Type of stopper part with side and bottom parts (symbol D)

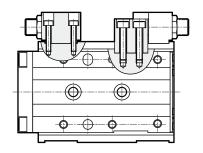


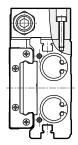




Without port at stopper section







Parts list

No.	Parts name	Material	Remarks	No.	Parts name	Material	Remarks
1	Stopper bolt	Alloy steel	Nickeling	7	Stopper block (Stopper block symbol: Blank)	Steel	Nickeling
2	Hexagon nut	Alloy steel	Nickeling			Sicci	Nickelling
3	Stopper A	Aluminum alloy	Alumite		Stopper block (Stopper block symbol: T)	Alloy steel	Nitriding
4	Gasket	Urethane rubber					
5	Hexagon socket head cap bolt	Alloy steel	Zinc chromate	8	Stopper B	Aluminum alloy	Alumite
6	Hexagon socket head cap bolt	Alloy steel	Zinc chromate	9	Stopper bolt	Alloy steel	Nickeling
				10	Cushion rubber	Urethane rubber	

SCP*2 CMK2

CMA2

SCM SCG SCA2

Linear slide cylinder Gombined functions

GLC

Dimensions (bore size: ϕ 6)



• LCG-6

SCP*2 CMK2

CMA2

SCM

SCG SCA2

SCS

CKV2

CA/OV2 SSD CAT

MVC

MSD* FC*

STK

ULK*

JSG

JSC3

USC

JSB3

LMB

STG

LCS LCG

LCM

LCT

LCY

HCM HCA

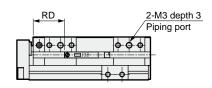
SRL2

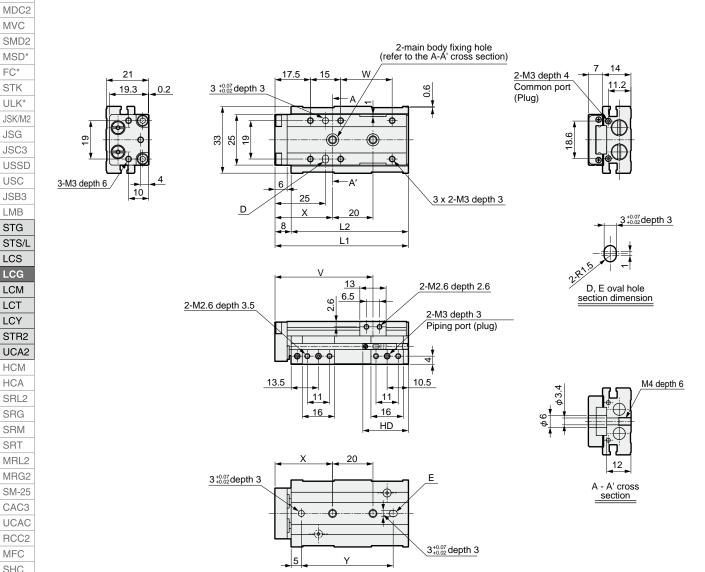
SRG

SRM SRT

MFC SHC GLC Ending Stroke length: 10, 20, 30

(The main body fixing holes in this drawing is for 20 mm stroke)





Dimensions table per stroke length

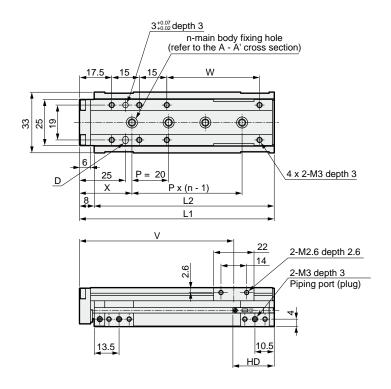
			•
Stroke length	10	20	30
L1	6	6	76
L2	5	58	
V	48.5		58.5
W	25.5		35.5
X	28.5		26
Υ	45.5		43
RD	25.5	15.5	
HD	22.5		

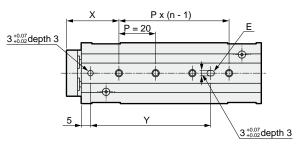
Dimensions (bore size: ϕ 6)



• LCG-6

Stroke length: 40, 50 (The main body fixing holes in this drawing is for 50 mm stroke)





Dimensions table per stroke length

Stroke length	40	50	
L1	96	106	
L2	88	98	
n	3	4	
V	74	84	
W	40.5	50.5	
X	27	28.5	
Υ	44	65.5	
RD	25.5		
HD	22.5		

CMK2 CMA2 SCM SCG SCA2 SCS CKV2 CA/OV2 SSD CAT MDC2 MVC SMD2 MSD* FC* STK ULK* JSK/M2 JSG JSC3 USSD USC JSB3 LMB STG STS/L LCS LCG LCM LCT LCY STR2 UCA2 НСМ HCA SRL2 SRG SRM SRT MRL2 MRG2 SM-25 CAC3 UCAC

Linear slide cylinder Gombined functions

MFC SHC GLC

Dimensions (bore size: ϕ 8)



● LCG-8

SCP*2 CMK2

CMA2

SCM

SCG

SCA2

SCS

CKV2 CA/OV2 SSD CAT MDC2 MVC

SMD2

MSD*

FC*

STK

ULK*

JSK/M2

USSD USC

JSB3

LMB

STG STS/L LCS

LCG

LCM LCT LCY STR2 UCA2

HCM

HCA

SRL2

SRG SRM SRT

MRL2

MRG2 SM-25 CAC3 UCAC

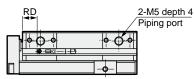
RCC2

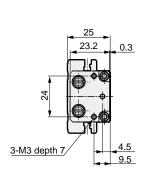
MFC SHC

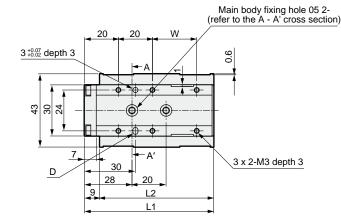
GLC Ending

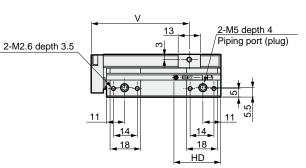
JSG JSC3 Stroke length: 10, 20, 30

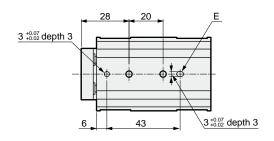
(The main body fixing holes in this drawing is for 30 mm stroke)

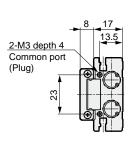


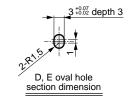


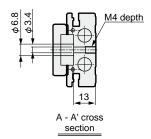












Dimensions table per stroke length

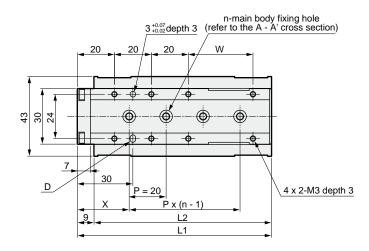
		•
10 20		30
66		76
5	57	
47.5		57.5
16		26
24 1		4
23		
	10 6 5 47	10 20 66 57 47.5 16 24 1

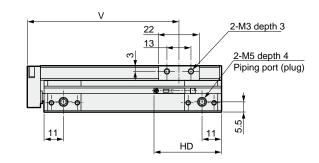
Dimensions (bore size: ϕ 8)

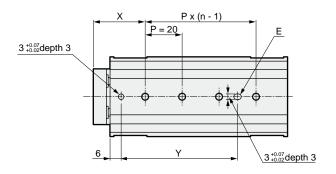


• LCG-8

Stroke length: 40, 50, 75 (The main body fixing holes in this drawing is for 50 mm stroke)







Dimensions table per stroke length

Stroke length	40	50	75
L1	95	105	130
L2	86	96	121
n	3	4	5
V	72	82	107
W	25	35	60
X	26.5	28	25
Y	41.5	63	80
RD	14		
HD	32		

CMK2 CMA2 SCM SCG SCA2 SCS CKV2 CA/OV2 SSD CAT MDC2 MVC SMD2 MSD* FC* STK ULK* JSK/M2 JSG JSC3 USSD USC JSB3 LMB STG STS/L LCS LCG LCM LCT LCY STR2 UCA2 НСМ HCA SRL2 SRG SRM SRT MRL2 MRG2 SM-25 CAC3 UCAC

Linear slide cylinder Gombined functions

MFC SHC GLC

Dimensions (bore size: ϕ 12)

CAD

● LCG-12

SCP*2 CMK2

CMA2

SCM

SCG SCA2

SCS

CKV2 CA/OV2 SSD CAT MDC2 MVC

SMD2 MSD*

FC*

STK

ULK*

JSK/M2 JSG

JSC3

USSD USC

JSB3

LMB

STG STS/L LCS LCG

LCM

LCT

LCY

STR2 UCA2

HCM

HCA

SRL2

SRG

SRM SRT

MRL2

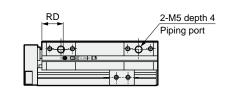
MRG2

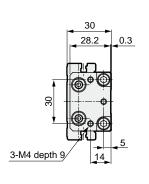
SM-25

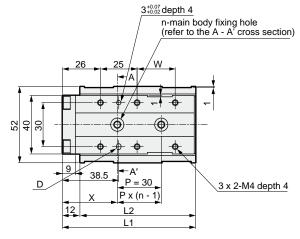
UCAC RCC2 MFC

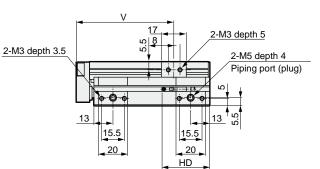
SHC GLC Ending Stroke length: 10, 20, 30, 40, 50

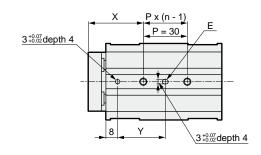
(The main body fixing holes in this drawing is for 30 mm stroke)

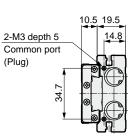


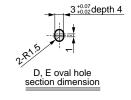


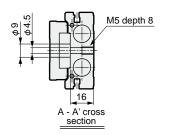












Dimensions table per stroke length

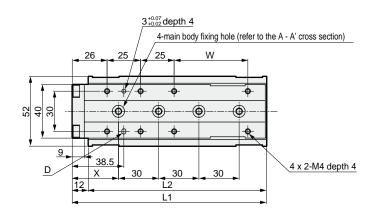
	•				9
Stroke length	10	20	30	40	50
L1		91		101	111
L2		79			99
n		2			3
V		66.5			86.5
W		26		36	46
X	37.5			36	32
Y	32.5		31	57	
RD	41.5 31.5		21.5		
HD			27		

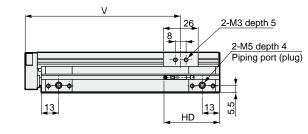
Dimensions (bore size: ϕ 12)

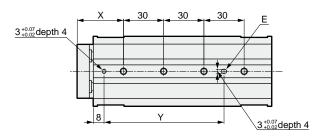


● LCG-12

Stroke length: 75,100 (The main body fixing holes in this drawing is for 100 mm stroke)







Dimensions table per stroke length

Stroke length	75	100	
L1	145	170	
L2	133	158	
V	116	141	
W	55	80	
X	34.5	47	
Y	89.5	102	
RD	21.5		
HD	36		

CMK2 CMA2 SCM SCG SCA2 SCS CKV2 CA/OV2 SSD CAT MDC2 MVC SMD2 MSD* FC* STK ULK* JSK/M2 JSG JSC3 USSD USC JSB3 LMB STG STS/L LCS LCG LCM LCT LCY STR2 UCA2 НСМ HCA SRL2 SRG SRM SRT MRL2 MRG2 SM-25 CAC3 UCAC RCC2

Linear slide cylinder Gombined functions

MFC SHC GLC

Dimensions (bore size: ϕ 16)

CAD

● LCG-16

SCP*2 CMK2

CMA2

SCM

SCG

SCA2

SCS
CKV2
CA/OV2
SSD
CAT
MDC2
MVC

SMD2 MSD*

FC*

STK

ULK* JSK/M2

JSG JSC3

USSD USC

JSB3

LMB

STG

STS/L

LCS LCG

LCM

LCT

LCY

STR2 UCA2 HCM HCA

SRL2 SRG SRM

SRT

MRL2 MRG2

SM-25

CAC3

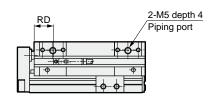
UCAC RCC2 MFC

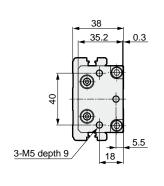
SHC GLC

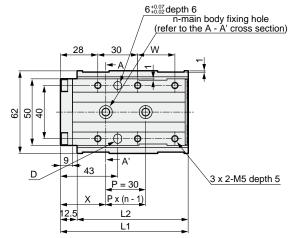
Ending

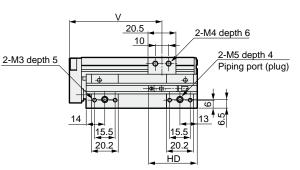
Stroke length: 10, 20, 30, 40, 50

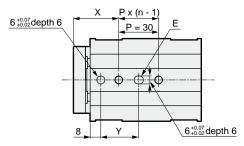
(The main body fixing holes in this drawing is for 30 mm stroke)

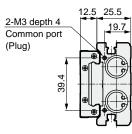


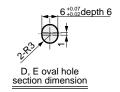


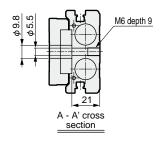












Dimensions table per stroke length

			•			_	
Stroke len	10	20	30	40	50		
L1	96			106	116		
L2			83.5		93.5	103.5	
n	n			2			
V	69.8			79.8	89.8		
W	28			38	48		
Х		34			45.5	35.5	
Y		28.5			40	60	
T0/5*	RD	37	27		17		
T2/3*	36.5						
T2/3W*	RD	39.5	29.5		19.5		
12/300	HD			34			



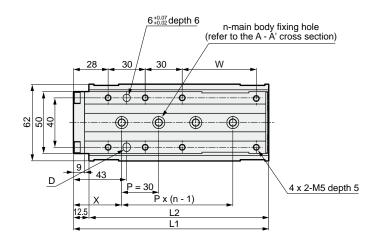
Dimensions

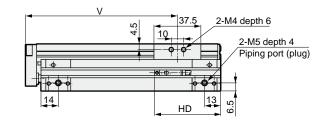
SCP*2

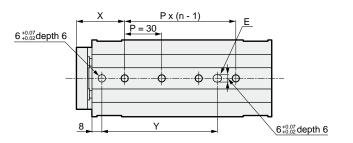
Dimensions (bore size: ϕ 16)

● LCG-16

Stroke length: 75,100,125 (The main body fixing holes in this drawing is for 75 mm stroke)







Dimensions table per stroke length

Stroke len	gth	75	100	125		
L1		158	183	208		
L2		145.5	145.5 170.5 19			
n		4	5			
V		123.3	148.3	173.3		
W		60	110			
X		39	49			
Υ		93.5	133.5			
T0/5*	RD					
T2/3*	HD		53.5			
T2/3W*	RD					
12/300	HD	·	51	·		

CMK2 CMA2 SCM SCG SCA2 SCS CKV2 CA/OV2 SSD CAT MDC2 MVC SMD2 MSD* FC* STK ULK* JSK/M2 JSG JSC3 USSD USC JSB3 LMB STG STS/L LCS LCG LCM LCT LCY STR2 UCA2 НСМ HCA SRL2 SRG SRM SRT MRL2 MRG2 SM-25 CAC3 UCAC

Linear slide cylinder Gombined functions

MFC SHC GLC

Dimensions (bore size: ϕ 20)



● LCG-20

SCP*2 CMK2

CMA2

SCM

SCG SCA2

SCS

CKV2

CA/OV2 SSD CAT MDC2 MVC

SMD2

MSD*

FC*

STK

ULK* JSK/M2 JSG

JSC3

USSD USC

JSB3

LMB STG

STS/L

LCS

LCG

LCM

LCT

LCY STR2 UCA2

HCM

HCA

SRL2 SRG SRM

SRT MRL2

MRG2

SM-25 CAC3

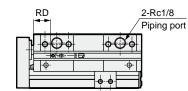
UCAC RCC2

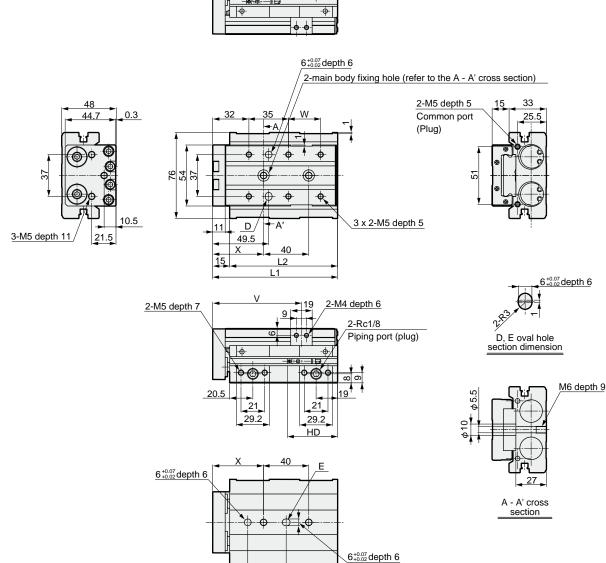
MFC SHC GLC

Ending

Stroke length: 10, 20, 30, 40, 50

(The main body fixing holes in this drawing is for 30 mm stroke)





16

Υ

Dimensions table per stroke length

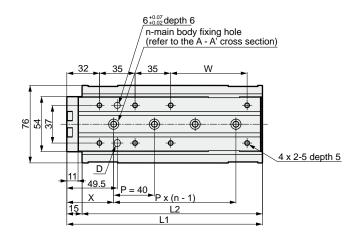
			•			_
Stroke len	gth	10	20	30	40	50
L1			110.5 120.5			
L2		95.5 105.5		105.5	115.5	
V			78.5	88.5	98.5	
W			28.5	38.5	48.5	
Х			45	51	49	
Υ			34	40	38	
T0/5*	RD	36	26	16		
T2/3*	HD					
T2/3W*	RD	38.5	28.5	18.5		
12/300	HD			47		

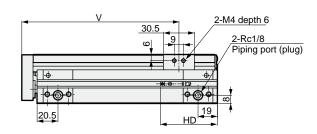
Dimensions (bore size: ϕ 20)

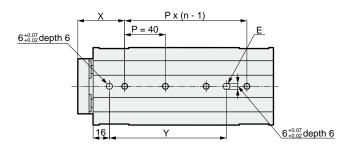


● LCG-20

Stroke length: 75,100,125,150 (The main body fixing holes in this drawing is for 100 mm stroke)







Dimensions table per stroke length

Stroke len	gth	75	100	125	150				
L1	L1		192	217	242				
L2	L2		152 177		227				
n		3	4	1	5				
V		129.3	154.3	179.3	204.3				
W		50	75	100	125				
Х		4	6	53	51				
Y		75 115 122 1							
T0/5*	RD	16							
T2/3*	HD	61							
RD RD		18.5							
T2/3W*	HD		58	3.5					

CMK2 CMA2 SCM SCG SCA2 SCS CKV2 CA/OV2 SSD CAT MDC2 MVC SMD2 MSD* FC* STK ULK* JSK/M2 JSG JSC3 USSD USC JSB3 LMB STG STS/L LCS LCG LCM LCT LCY STR2 UCA2 НСМ HCA SRL2 SRG SRM SRT MRL2 MRG2 SM-25 CAC3 UCAC RCC2

Linear slide cylinder Gombined functions

MFC SHC GLC

Dimensions (bore size: ϕ 25)

CAD

● LCG-25

SCP*2 CMK2

CMA2

SCM

SCG

SCA2

SCS

CKV2

SSD CAT MDC2

MVC

SMD2

MSD*

FC*

STK ULK*

JSK/M2 JSG

JSC3 USSD

USC

JSB3

LMB

STG STS/L

LCS

LCG

LCM

LCY

STR2

UCA2

HCM

HCA

SRL2

SRG

SRM

SRT

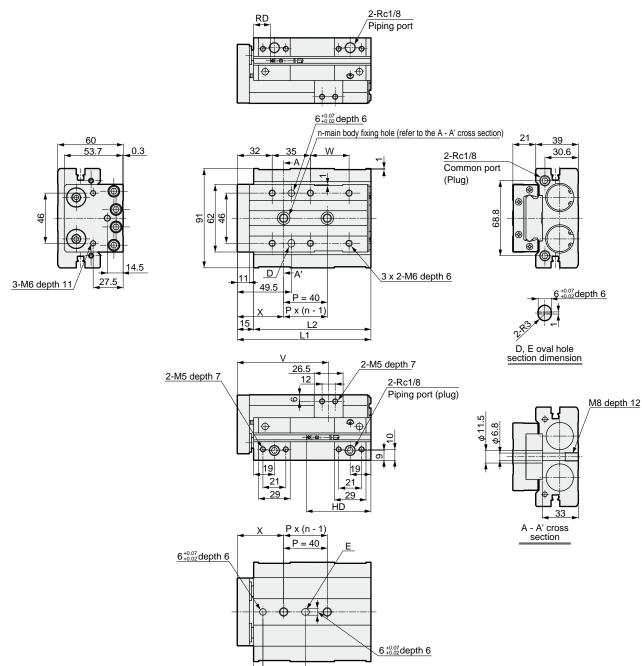
MRL2 MRG2 SM-25 CAC3 UCAC RCC2

MFC SHC GLC

Ending

Stroke length: 10, 20, 30, 40, 50

(The main body fixing holes in this drawing is for 30 mm stroke)



Dimensions table per stroke length

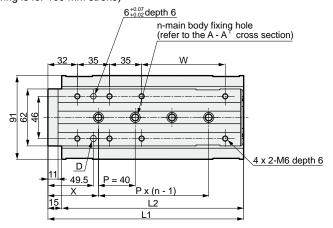
			•			9	
Stroke len	10	20	30	40	50		
L1			122.5	132.5	142.5		
L2			107.5		117.5	127.5	
n		2				2	
V		83.8 93.8 10				103.8	
W			35.5	45.5 55.5			
Х		42.5			45.5 60.		
Υ			39	42 57			
T0/5*	RD	38.5	28.5				
T2/3*	HD	59					
T2/3W*	RD RD		41 31 21				
12/300"	HD			56.5			

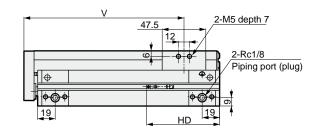


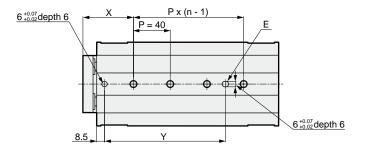
CAD Dimensions (bore size: ϕ 25)

• LCG-25

Stroke length: 75,100,125,150 (The main body fixing holes in this drawing is for 100 mm stroke)







Dimensions table per stroke length

					-		
Stroke len	Stroke length		100	125	150		
L1	L1		213	238	263		
L2		173 198		223	248		
n		3	4	5			
V	V		163.8	188.8 213.8			
W		66	91	116 141			
X		60	55	45 60			
Υ		96.5	131.5	1.5 161.5 176.5			
T0/5*	RD	18.5					
T2/3*	HD	79.5					
T2/3W*	RD	21					
12/300	HD		7	7			

CMK2 CMA2 SCM SCG SCA2 SCS CKV2 CA/OV2 SSD CAT MDC2 MVC SMD2 MSD* FC* STK ULK* JSK/M2 JSG JSC3 USSD USC JSB3 LMB STG STS/L LCS LCG LCM LCT LCY STR2 UCA2 НСМ HCA SRL2 SRG SRM SRT MRL2 MRG2 SM-25

CAC3 UCAC RCC2

MFC SHC GLC

Ending

Linear slide cylinder Combined functions

SCP*2 CMK2

CMA2

SCM

SCG

SCA2 SCS CKV2

CA/OV2 SSD CAT MDC2 MVC

SMD2

MSD* FC* STK ULK*

JSK/M2 JSG

JSC3 USSD USC JSB3

LMB

STG

LCS

LCG LCM

LCT LCY

HCM HCA SRL2

SRG SRM SRT

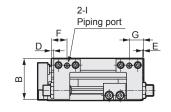
RCC2 MFC SHC

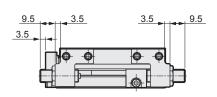
GLC

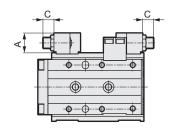
Dimensions: Option

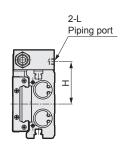


• Stopper for adjustable stroke (S1 to S6)

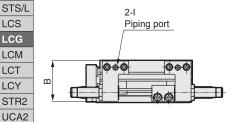






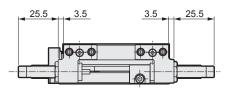


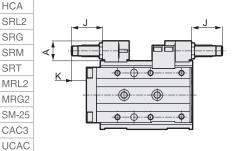
Shock absorber type stopper (A1 to A6)

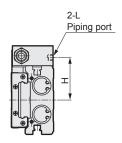




· For ϕ 8







Note 1: E, H and L dimensions are applied only when ports are provided at stopper section (S*D*, A*D*)

Note 2: The adjustable stroke range of the stopper for adjustable stroke is 5mm per side.

Note 3: For position locking function type, S3** to S6** and A3** to A6** are not available.

Symbol Bore size (mm)	А	В	С	D	Е	F	G	Н	ı	J	K	L	Shock absorber type stopper adjustable stroke range (single)
ϕ 6	14	19.5	11	4	1	13.5	10.5	24	M3 depth 3	21	9	M3 depth 3	9
φ8	15.6	24.5	9.5	0.5	0.5	10.5	10.5	27.3	M5 depth 4	25.5	16	M5 depth 4	17
φ 12	15.5	29	12	1	1	13	13	31	M5 depth 4	25.5	12.5	M5 depth 4	14.5
φ 16	18	37	10	2	1	14	13	39	M5 depth 4	28.5	14	M5 depth 4	15
φ 20	20.5	45	14.5	4	2.5	20.5	19	46	Rc1/8	29.5	10.5	M5 depth 4	13
φ 25	20.5	57	11.5	2.5	2.5	19	19	54.5	Rc1/8	26.5	9	M5 depth 4	10