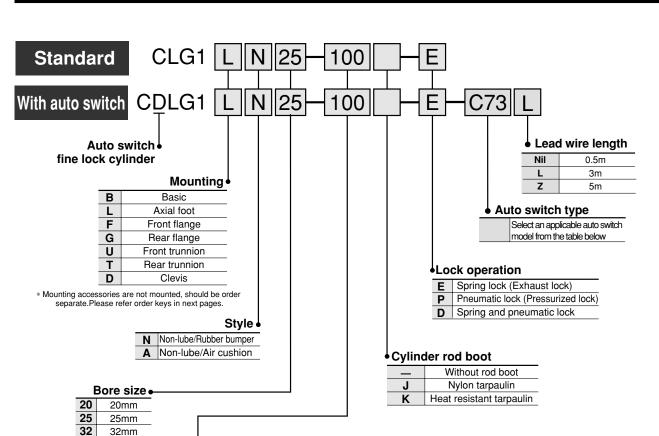
Fine Lock Cylinder/Double Acting Single Rod

Series CLG1

ø20, ø25, ø32, ø40





Cylinder stroke (mm)

40mm

Bore (mm)	Standard stroke (mm)	Long stroke (mm)		
20	25, 50, 75, 100, 125, 150, 200	201 to 350		
25	25, 50, 75, 100,	301 to 400		
32	125, 150, 200,	301 to 450		
40	250, 300	301 to 800		

^{*} Intermediate strokes are also available.

Applicable Auto Switches/Refer to p.5.3-2 for further information on auto switch.

Style	Special function	Florida I	tor	Wiring	Wiring Lo		Itage		Lead	wir	e (n	n)*			
		Electrical entry	Indicator	(Output)		DC	AC	Auto switch model	0.5 (—)	3 (L)	5 (Z)	None (N)		Applicable load	
				3 wire (NPN equiv.)	_	5V	_	C76	•	•	_	_	IC	_	
							_	B53	•	•	•	_		PLC	
Reed switch		Grommet				12V	200V	B54	•	•	•	_			
swi	_		Yes				or less	B64	•	•	_	_	_		
8			162	2 wire	24V		100V	C73	•	•	•	_		Relay	
æ		Connector				5V, 12V	≤ 100V	C80	•	•	_	_	IC	PLC	
						12V	_	C73C	•	•	•	•	IC IC		
	Diamontic indication					5V, 12V	≤ 24V	C80C	•	•	•	•			
	Diagnostic indication (2 colour)	Grommet	No			_	_	B59W	•	•	_	_	_		
	_	Grommet	3	3 wire (NPN)		5V, 12V		H7A1	•	•	0	_	IC		
				3 wire (PNP)		01, 121		H7A2	•	•	0	_			
뜻				2 wire	12V		H7B	•	•	0	_	_			
switch		Connector				124		H7C	•	•	•	•			
5				3 wire (NPN)	3 wire (NPN)	5V, 12V		H7NW	•	•	0	_	IC		
state	Diagnostic indication (2 colour)		Yes	3 wire (PNP) 24V	24V 3V, 12V	_	H7PW	•	•	0	-		Relay		
S				2 wire		101/	12V		H7BW	•	•	0	_		PLC
Solid	Water resistant (2 colour)	Grommet	net .	2 WIIG			120		H7BA	_	•	0	_		
	With diagnostic output (2 colour)			4 wire (NPN)		5V, 12V		H7NF	•	•	0	_	IC		
	Latching with diagnostic output (2 colour)					_		H7LF	•	•	0	_	_		
	With timer			3 wire (NPN)	.1	5V, 12V		G5NT	_		0	_	IC]	

³m ------- L H7CL 5m ----- Z H7CZ None ----- N H7CN

^{*} Solid state switches marked with a "O" are manufactured upon receipt of order.



CNA

MLG

CL

CNG

MNB CNS

CLS

СВ

CV/MVG

CXW

CXS

CXT MX

MXU

МХН

MXS

MXQ

MXF

MXW

MXP

MG MGP

MGQ

MGG

MGC

MGF

MGZ

CY

ΜY

Series CLG1

Provided with a compact locking mechanism, it is suitable for intermediate stops, for emergency stops, and for drop prevention.

Locks in both directions

The piston rod can be locked in either direction of its cylinder stroke.



Model

Series	Style	Action	Cushion	Piston seal	Bore (mm)	Lock operation
CLG1□N	Non-lube		Rubber bumper	Special	20, 25	Spring lock (Exhaust lock), Pneumatic lock (Pressurized lock),
CLG1□A	style	acting	Air cushion	seal	32, 40	Spring and pneumatic lock

Specifications

_ •				
Fluid	Air			
Proof pressure	1.5MPa			
Max. operating pressure	1MPa			
Min. operating pressure	0.08MPa			
Ambient and fluid temperature	Without auto switch: -10°C to +70°C (No freezing With auto switch: -10°C to +60°C			
Piston speed	50 to 500mm/sec*			
Thread tolerance	JIS Class 2			
Stroke length tolerance	to 800st ^{+1.4} mm			
Mounting**	Basic, Axial foot, Front flange, Rear flange, Front trunnion, Rear trunnion, Clevis (Used when port position is changed to 90°.)			

^{*} Constraints associated with the allowable kinetic energy are imposed on the speeds at which the piston can be locked. To lock the piston in the stationary state for the purpose of drop prevention, the piston can be locked up to a maximum speed of 1000mm/s.

** The long stroke style is applicable to the basic style, the axial foot style, and the front flange style.

Fine Lock Specifications

Lock operation	Spring lock (Exhaust lock)	Spring/ pneumatic lock	Pneumatic lock (Pressurized lock)			
Fluid	Air					
Max. operating press.	0.5MPa					
Lock release press.	0.3MPa	0.3MPa or more				
Lock starting press.	0.25MPa	0.05MPa or more				
Lock direction	Both directions					

Accessories

Mounting		Basic	Axial foot	Front flange	Rear flange	Front trunnion	Rear trunnion	Clevis
Standard	Rod end nut	•	•	•	•	•	•	•
Standard	Clevis pin	_	_	_	_	_	_	•
	Single knuckle joint	•	•	•	•	•	•	•
Option	Double knuckle joint (With pin)	•	•	•	•	•	•	•
	Pivot bracket	_	_	_	_	•	•	•
	Rod boot	•	•	•	•	•	•	•

Standard Stroke

Bore (mm)	Standard stroke (mm)	Long stroke (mm)
20	25, 50, 75, 100, 125, 150, 200	201 to 350
25	25, 50, 75, 100,	301 to 400
32	125, 150, 200,	301 to 450
40	250, 300	301 to 800

^{*} Intermediate strokes are available.

Rod Boot Material

Symbol	Material	Max. ambient temp.			
J	Nylon tarpaulin	60°C			
K	Heat resistant tarpaulin	110°C*			

^{*} Max. ambient temperature for rod boot

Minimum Strokes for Auto Switch Mounting

Due to the space requirements for installing auto switches, the minimum cylinder strokes are as shown in the table below.

Madel	Number of auto switches			
Model	1	2		
D-B5/B6 D-C7/C8 D-H7 D-G5/K5	10mm	15mm		
D-B59W	15mm	20mm		
D-H7LF	10mm	20mm		

