

STR2

UCA2 UIK\*

JSK/M2 JSG

JSC3/JSC4

USSD

UFCD

USC

JSB3 LMB

LML

HCM

**HCA** LBC

CAC4

UCAC2

CAC-N

UCAC-N RCC2

**PCC** 

SHC MCP

MFC

BBS

RRC

GRC RV3 NHS HR

LN Hand

Chuk MecHnd/Chuk ShkAbs

FK SpdContr Ending Cylinder with length measuring sensor

# SSD-LN Series

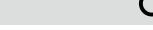
Bore size: φ12/φ16/φ20/φ32/φ50



\* Excluding display

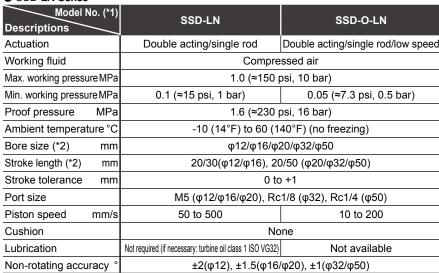






## Cylinder section specifications

### SSD-LN Series



- \*1 : Appearance and dimensions of cylinders are the same as the compact cylinder SSD-ML (double acting rotation-stop), but the internal structure differs. (This cylinder is for length measurement.)
- \*2 : Bore size and stroke length in the above table are for standard products. Other tube bore sizes and strokes are available as custom orders. Note that  $\phi 80$  or more is not available. Rod end male thread specification is also available as a custom order. Contact CKD for other custom orders.

Sensor, amplifier (separated) specifications

Display section specifications

Refer to page 1436.

Refer to page 1437.

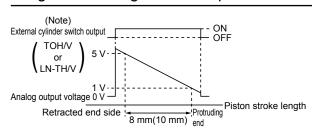
## Weight table

Unit (g)

Stroke length Bore size	20	30	50
φ12	111	122	
φ16	135	157	
φ20	189		263
φ32	346		476
φ50	661		914

## Length measuring sensor output characteristics

SSD-LN



A separate analog output ON-OFF switchover switch for retrieving the analog output voltage is required at a random 8 mm (10 mm for display) interval of the full cylinder stroke. Combinations are shown below.

Analog output ON-OFF switch model No.	Output	Measured range length				
TOH/V5	Analog output	8 mm				
LN-TH/V	Display	10 mm				

## SSD-LN\*Series

LCW

STM

UCA2

JSC3/JSC4

JSB3

LMB

LBC

CAC4

UCAC2

CAC-N

RCC2

PCC

SHC

MCP

GLC

GRC

LN

Hand

Chuk

MecHnd/Chuk

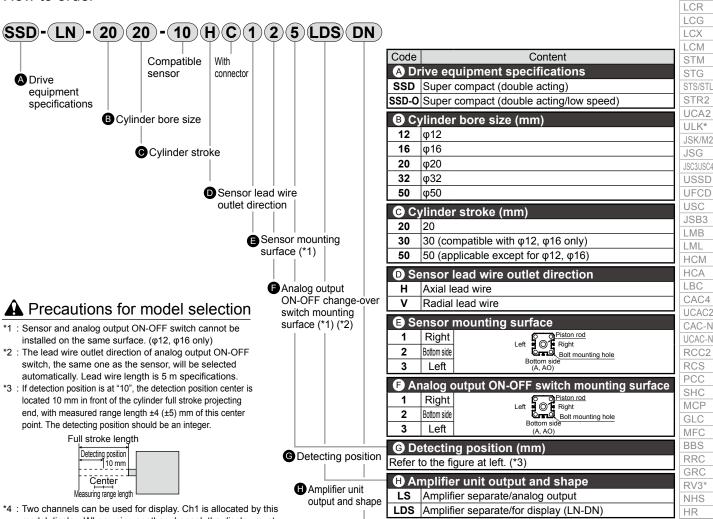
ShkAbs

SpdConti

Ending

FJ

FK



model display. When using another channel, the display must be ordered separately.

A-LN-BC-10DEFGLDS

- \*5 : When ordering a single model for maintenance:
  - · Cylinder: A-LN-BC
  - Sensor: LN-10DC
  - · Amplifier unit: LN-H
  - · Display: LN-DN

How to order

· Analog output ON-OFF switch

SW-TOH5 or TOV5: Select when the mounted actuator is  $\varphi$ 20 and over in diameter with an analog output amplifier (LN-LS).

LN-TH or TV: Select for display.

Cylinder mounting bracket model No.

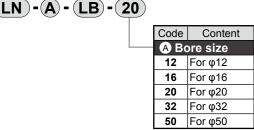
When placing a discrete order, refer to product specifications sheet or handling precautions attached with the unit for details on setting.

Discrete cylinder switch model No.

Display

(\*4)

Display

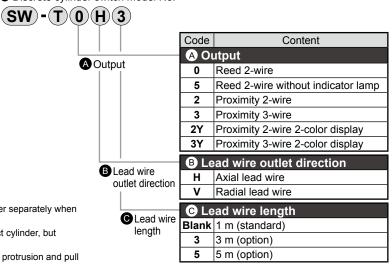


Note: Two axial feet and eight hexagon socket head cap screws for installation are attached (4 pcs. for φ50).

Cylinder mounting bracket (axial foot) is available for A and AO. Order separately when required.

Appearance and outline dimensions are the same as for the compact cylinder, but mounting bolt material differs. (Stainless steel bolt dedicated)

Cylinder switches may be mountable in a separate groove for piston protrusion and pull end confirmation. Order separately when required



**DN** Switch output section NPN display

# SSD-LN/SSD-O-LN Series

## **Dimensions**

LCW LCR LCG

LCX

LCM

STM

STG STS/STL STR2 UCA2

ULK\* JSK/M2

JSG

JSC3/JSC4

USSD

UFCD USC JSB3

LMB LML HCM HCA

LBC CAC4 UCAC2 CAC-N UCAC-N RCC2 RCS

PCC

SHC MCP GLC MFC BBS RRC GRC RV3\* NHS HR

Hand

Chuk MecHnd/Chuk ShkAbs

FK

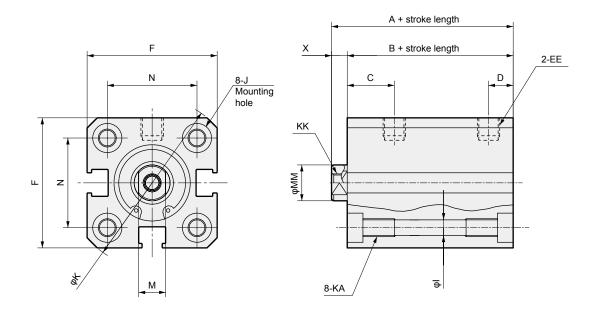
SpdContr

Ending

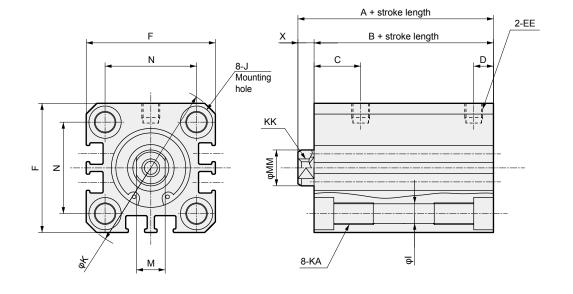


● SSD-LN/SSD-O-LN
· φ12/φ16

- \*1 : Refer to pages 1438 to 1439 for outline dimensions of the sensor, amplifier (separated), and display.
- \*2 : Refer to the next page for dimensions.



● SSD-LN/SSD-O-LN · φ20



# SSD-LN/SSD-O-LN Series

**Dimensions** 

LCW LCR LCG

LCX

LCM

STM STG STS/STL STR2 UCA2 ULK\*

JSK/M2

JSC3/JSC4

USSD

UFCD

USC

JSB3 LMB LML НСМ

HCA LBC CAC4 UCAC2 CAC-N UCAC-N RCC2

RCS PCC SHC MCP GLC MFC BBS RRC GRC RV3\* NHS

LN Hand Chuk MecHnd/Chuk ShkAbs FJ FK SpdContr Ending

JSG

**Dimensions** 



18

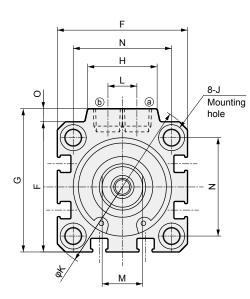
φ50

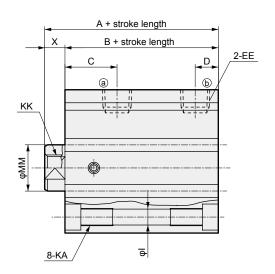
20

50

● SSD-LN/SSD-O-LN -φ32/φ50

Note: Refer to pages 1438 to 1439 for outline dimensions of the sensor, amplifier (separated), and display.





															GLC
															MFC
															BBS
Code	Α	В	С	D	EE	F	G	н		1	K	KA	кĸ	L	RRC
Bore size (mm)	<u> </u>	"	~			'		•••	'	J	IX.	NA	IXIX	_	GRC
φ12	35.5	32	10.5	5.5	M5	25	-	-	3.5	6.5 spot face depth 3.5	32	M4 depth 7	M3 depth 6	-	RV3*
φ16	35.5	32	10.5	5.5	M5	29	-	-	3.5	6.5 spot face depth 3.5	38	M4 depth 7	M4 depth 8	-	NHS HR
φ20	39	34.5	13	5.5	M5	36	-	-	5.5	9 spot face depth 5.5	47	M6 depth 11	M5 depth 7	-	LN
φ32	50	43	18	8	RC1/8	45	49.5	24	5.5	9 spot face depth 5.5	60	M6 depth 11	M8 depth 13	10	Hand
φ50	53.5	45.5	15.5	10.5	RC1/4	64	71	33	6.9	11 spot face depth 6.5	86	M8 depth 13	M10 depth 15	15	Chuk
Code			١		,										MecHnd/Ch
Bore size (mm)	M	MM	N	0	Х	Remarks							ShkAb		
φ12	5	6	15.5		3.5	Overall lea	Overall length is 5 mm lenger than standard graduat (CCD ML). Other dimensions are the same as standard graduate								FJ
Ψ12	3	_		-			Overall length is 5 mm longer than standard product (SSD-ML). Other dimensions are the same as standard products.								FK
φ16	6	8	20	-	3.5	Overall length is 5 mm longer than standard product (SSD-ML). Other dimensions are the same as standard products.								SpdCor	
φ20	8	10	25.5	-	4.5	Dimensions are the same as standard product (SSD-ML).								Endin	
φ32	14	16	34	4.5	7	Dimensions are the same as standard product (SSD-ML).									

Dimensions are the same as standard product (SSD-ML).

**CKD**