

Rodless cylinder SRL3-J Series

Full cowling type (with dust cover)

Resistant to dust in harsh environments

(ϕ 25 to ϕ 63)

Reliable even if directly exposed to spatters, metal powder and coolant

PAT.PEND

Overview

A new model with enhanced dust resistance has been added to the rodless cylinder SRL3 Series. The special metal cover added to the standard type enables the use in environments with much dust or in direct contact with spatters, metal powder, coolant, etc.

Applications

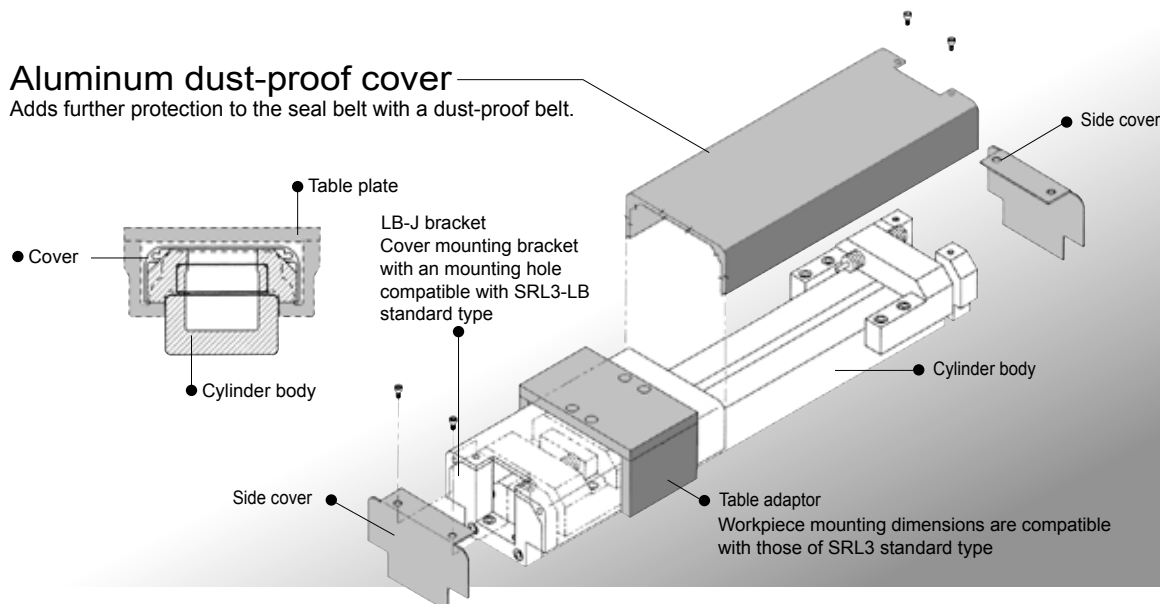
- When exposed to coolant of machine tools
- When exposed to metal chips of metal processing machines
- In environments with spatters of welding machines
- In food factories or such other environments requiring cleanness
- In other harsh environments requiring dust resistance

Features

- Industry's first rodless cylinder with dust cover
- The dust proof structure has the same total length and installation dimensions as those of the conventional model.
- The aluminum cover minimizes adherence of spatters.
- The cover can be detached from the top with a wrench only.
- Simple design with the side covers installed on the both ends.
- Five size options from ϕ 25 to ϕ 63

Aluminum dust-proof cover

Adds further protection to the seal belt with a dust-proof belt.



SCP*3
CMK2
CMA2
SCM
SCG
SCA2
SCS2
CKV2
CAV2 COV/PIN2
SSD2
SSG
SSD
CAT
MDC2
MVC
SMG
SMD2
MSD/ MSDG
FC*
STK
STM
STG
STS/STL
LCR
LCG
LCX
LCM
LCT
LCY
STR2
UCA2
SRL3
SRG3
SRM3
SRT3
MRL2
MRG2
SM-25
Shock absorber
FJ
FK
Speed controller
Ending



Rodless cylinder Double acting/full cowling type

SRL3-J Series

● Bore size: ϕ 25/ ϕ 32/ ϕ 40/ ϕ 50/ ϕ 63



Specifications

Descriptions	SRL3-J				
Bore size mm	φ 25	φ 32	φ 40	φ 50	φ 63
Actuation	Double acting				
Working fluid	Compressed air				
Max. working pressure MPa	0.7				
Min. working pressure MPa	0.1				0.05
Proof pressure MPa	1.05				
Ambient temperature °C	5 to 60				
Port size	Rc1/8	Rc1/4		Rc3/8	
Stroke tolerance mm	$^{+2.0}_0$ (to 1000), $^{+2.5}_0$ (to 3000)				
Working piston speed mm/s	50 to 2000 (standard piping) (Note 1)				
Cushion	Air cushion				
Lubrication	Not required (continuously lubricate using turbine oil class 1 ISOVG32 once lubricated.)				

Note 1: For common port pipe, working piston speed varies depending on stroke length. Contact CKD.

Allowable absorbed energy

Bore size (mm)	Cushioned		No cushion	With shock absorber (initial set value)	
	Allowable absorbed energy (J)	Cushion stroke length (mm)	Allowable absorbed energy (J)	Absorbed energy (J)	Effective stroke length (mm)
ϕ 25 or equiv.	1.40	20.9	0.015	10	9
ϕ 32 or equiv.	2.57	23.5	0.030	18	13
ϕ 40 or equiv.	4.27	23.9	0.050	50	16.5
ϕ 50 or equiv.	9.13	24.9	0.072	86	21
ϕ 63 or equiv.	17.4	29.6	0.138	86	21

Stroke length

Corresponding bore size	Standard stroke length (mm)	Max. stroke length (mm)	Min. stroke length (mm)
ϕ 25/ ϕ 32/ ϕ 40/ ϕ 50/ ϕ 63	200/300/400/500/600/ 700/800/900/1000	3000	1

Note 1: Custom stroke length is available per mm.

Number of installed M type switches and the min. stroke length (mm)

Switch quantity	1		2		3		4		5		6	
Switch model no.	M*V	M*H	M*V	M*H	M*V	M*H	M*V	M*H	M*V	M*H	M*V	M*H
Bore size (mm)												
ϕ 25 or equiv.	10	10	30	45 (70)	60	90 (120)	90	135 (170)	120	180 (220)	150	225 (270)
ϕ 32 or equiv.	10	10	30	45	60	90	90	135	120	180	150	225
ϕ 40 or equiv.	10	10	30	45	60	90	90	135	120	180	150	225
ϕ 50 or equiv.	15	15	30	45	60	90	90	135	120	180	150	225
ϕ 63 or equiv.	15	15	30	45	60	90	90	135	120	180	150	225

Note: Values in () are the min. stroke length with switch of the full stroke length adjustable type.

Number of installed T type switches and the min. stroke length (mm)

Switch quantity	1		2		3		4		5		6	
Switch model no.	T*V	T*H	T*V	T*H	T*V	T*H	T*V	T*H	T*V	T*H	T*V	T*H
Bore size (mm)												
ϕ 25 or equiv.	10	10	45	50 (70)	85	100 (120)	125	150 (170)	165	200 (220)	205	250 (270)
ϕ 32 or equiv.	10	10	45	50	85	100	125	150	165	200	205	250
ϕ 40 or equiv.	10	10	45	50	85	100	125	150	165	200	205	250
ϕ 50 or equiv.	10	10	45	50	85	100	125	150	165	200	205	250
ϕ 63 or equiv.	10	10	45	50	85	100	125	150	165	200	205	250

Note: Values in () are the min. stroke length with switch of the full stroke length adjustable type.

Switch specifications (M type switch)

● 1 color/2 color display type

Descriptions	Proximity 2 wire		Proximity 3 wire		
	M2V, M2H	M2WV (2 color display type)	M3H/M3V	M3PH/M3PV (custom order)	M3WV
Applications	Programmable controller		Programmable controller, relay, IC circuit, small solenoid valve		
Output method	-		NPN output	PNP output	NPN output
Power supply voltage	-		4.5 to 28 VDC		10 to 28 VDC
Load voltage	10 to 30 VDC		30 VDC or less		
Load current	5 to 30 mA		100 mA or less	100 mA or less	100 mA or less
Indicator light	LED (ON lighting)	Red/green LED (ON lighting)	LED (ON lighting)	Yellow LED (ON lighting)	Red/green LED (ON lighting)
Leakage current	1 mA or less		10 µA or less	0.05 mA or less	10 µA or less
Weight	g		1 m: 27 3 m: 57 5 m: 93		
Descriptions	Reed 2 wire				
	MOV, MOH		M5V, M5H		
Applications	Programmable controller, relay		Programmable controller, relay IC circuit (without indicator light), serial connection		
Power supply voltage	-		-		
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
Indicator light	LED (ON lighting)		Without indicator light		
Leakage current			0 mA		
Weight	g		1 m: 27 3 m: 57 5 m: 93		

Note 1: MO* switch can be used for 24 VAC and 48 VAC within load current range of 7 to 20 mA.

Note 2: Refer to Ending 1 for other switch specifications.

Switch specifications (T type switch)

● 2 color display type

Descriptions	Proximity 2 wire		Proximity 3 wire	
	T2YH/T2YV	T2WH/T2WV	T3YH/T3YV	T3WH/T3WV
Applications	Programmable controller		Programmable controller, relay	
Output method	-		NPN output	NPN output
Power supply voltage	-		10 to 28 VDC	
Load voltage	10 to 30 VDC	24 VDC ±10%	30 VDC or less	
Load current	5 to 20 mA (Note 1)		50 mA or less	
Indicator light	Red/green LED (ON lighting)	Red/green LED (ON lighting)	Red/green LED (ON lighting)	Red/green LED (ON lighting)
Leakage current	1 mA or less		10 µA or less	
Weight	g		1 m: 33 3 m: 87 5 m: 142	
			1 m: 18 3 m: 49 5 m: 80	
			1 m: 33 3 m: 87 5 m: 142	
			1 m: 18 3 m: 49 5 m: 80	

● AC magnetic field proof

Descriptions	Proximity 2 wire
	T2YD, T2YDT
Applications	Programmable controller
Indicator light	Red/green LED (ON lighting)
Load voltage	24 VDC ±10%
Load current	5 to 20 mA
Internal voltage drop	6 V or less
Leakage current	1.0 mA or less
Weight	g
	1 m: 61 3 m: 166 5 m: 272

Note: This switch cannot be used in direct-current magnetic field.

● Cutting oil

Descriptions	Proximity 2 wire	Proximity 3 wire
	T2YLH, T2YLV	T3YLH, T3YLV
Applications	Programmable controller	Programmable controller, relay
Power supply voltage	-	10 to 28 VDC
Load voltage/current	10 to 30 VDC 5 to 20 mA	30 VDC or less, 50 mA or less
Current consumption	-	10 mA or less at 24 VDC (when ON)
Internal voltage drop	4 V or less	0.5 V or less
Leakage current	1 mA or less	10 µA or less
Light	Red/green LED (ON lighting)	

Cylinder weight

Descriptions	Weight for 0 mm stroke length		Mounting bracket weight		Additional weight per 100 mm stroke length
	Basic type	Switch weight	Type T	Type M	
Corresponding bore size					
φ 25	2.37	Refer to weight information provided in the switch specifications.	0.005	0.001	0.37
φ 32	3.34				0.46
φ 40	4.78				0.65
φ 50	7.27				0.90
φ 63	11.23				1.28

SRL3-J Series

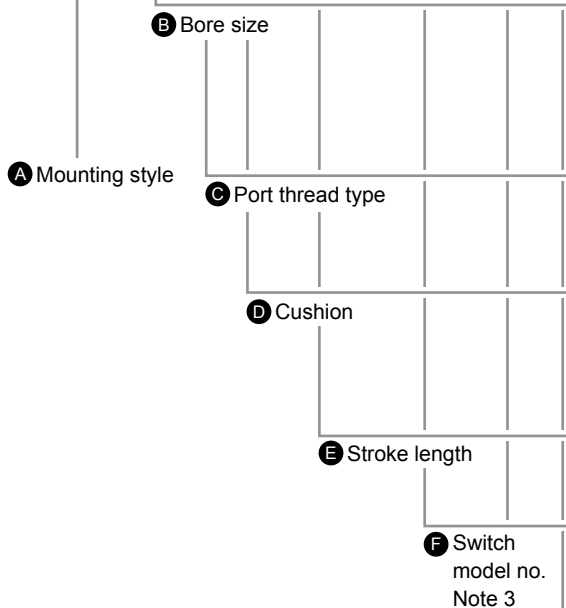
How to order

Without switch

SRL3-J - 00 - 25 - B - 200 - B

With switch

SRL3-J - 00 - 25 - B - 200 - M0H - R - B



Note on model no. selection

Note 1: Mounting bracket is assembled into the product when shipping.

Note 2: Refer to page 2292 for the min. stroke length with switch.

Note 3: Switches other than (F) switch model no. are also available. (Custom order) Refer to Ending 1 for details.

Note 4: In the case of the standard type with $\phi 25$, remove the cover, attach a plate nut and install the full stroke length adjusting bracket. A plate nut is already attached to option "A3" so that you can add the bracket without removing the cover.

Note 5: "*" of L* and N* indicates the number of sets. When 2 sets are necessary, specify "L2" (for 00) or "N2" (for LJ). (2 pcs./set)

Note 6: For the port and cushion needle position symbols, refer to dimensions on pages 2300 to 2306.

Note 7: Using an attached extension fitting is recommended when you attach the piping fitting and speed controller.

Note 8: Remove the side cover when using a common piping port (R side port).

Note 9: Common piping port for $\phi 25$ and $\phi 32$ (port position R) is available only when the mounting bracket is LJ. Not available when the mounting style is 00.

<Example of model no.>

SRL3-J-00-25B-200-M0H-R-B

- A** Mounting style : Basic type
- B** Bore size : $\phi 25$ mm or equivalent
- C** Port thread type : Rc thread
- D** Cushion : Both sides cushioned
- E** Stroke length : 200 mm
- F** Switch model no. : Reed MOH switch
- G** Switch quantity : 1 on R side
- H** Option : Port position F, cushion needle position B

Symbol	Descriptions					
A Mounting style						
	Bore size (φ)	25	32	40	50	63
00	Basic type	Note 8		●	●	●
LJ	Axial foot type (for centralized pipe laying)	●	●			

B Bore size					
25	$\phi 25$ or equiv.				
32	$\phi 32$ or equiv.				
40	$\phi 40$ or equiv.				
50	$\phi 50$ or equiv.				
63	$\phi 63$ or equiv.				

C Port thread type					
Blank	Rc thread				
N	NPT thread ($\phi 20$ and over) (custom order product)				
G	G thread ($\phi 20$ and over) (custom order product)				

D Cushion					
B	Both sides cushioned				
R	R side cushioned				
L	L side cushioned				
N	No cushion				

E Stroke length (mm)					
Bore size	Stroke length	Note 2	Custom stroke length		
$\phi 25$ to $\phi 63$	1 to 3000		Per mm		

F Switch model no.					
Lead wire straight type	Lead wire L-shaped type	Contact	Voltage	Indicator light	Lead Line
			AC	DC	
M0H*	M0V*	Reed	●	●	1 color display type
M5H*	M5V*		●	●	Without indicator light
M2H*	M2V*		●	●	1 color display type
-	M2WV*	Proximity	●	●	2 color display type
M3H*	M3V*		●	●	1 color display type
-	M3WV*		●	●	2 color display type
M3PH*	M3PV*		●	●	1 color display type (custom order)
T2WH*	T2WV*		●	●	2 color display type
T2YH*	T2YV*		●	●	2 color display type
T3WH*	T3WV*		●	●	AC magnetic field proof
T2YD*	-	Coolant switch	●	●	2 line
T2YDT*	-		●	●	3 line
T2YLH*	T2YLV*		●	●	2 line
T3YLH*	T3YLV*		●	●	3 line

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

G Switch quantity					
R	1 on R side				
L	1 on L side				
D	2				
T	3				
4	4 (when there are more than 4 switches, indicate switch quantity.)				

H Option/accessory					
	Bore size (ϕ)	25	32	40	50
A	Both sides full stroke length adjustable, with shock absorber	●	●	●	●
A1	R-side full stroke length adjustable, with shock absorber	●	●	●	●
A2	L-side full stroke length adjustable, with shock absorber	●	●	●	●
A3	Full stroke length adjustable with adjusting bracket to be added later	●	●	●	●
Y	Floating fitting	●	●	●	●
L*	Intermediate support bracket (for 00)	●	●	●	●
N*	Intermediate support bracket (for LJ)	●	●	●	●
Blank	F (standard)	F (standard)	●	●	●
R	R (Common port)	F Note 8, Note 9	●	●	●
B	F	B	●	●	●
T	R (Common port)	B Note 8, Note 9	●	●	●
D	D	F	●	●	●
S	D	D	●	●	●

How to order switch (For components, refer to page 2308)

- Switch body + mounting bracket (Note 1)

SRL3 - M0H*

- Only switch body

SW - M0H*

Switch model no.

(Item ⑥ on the previous page)

* Lead wire length

Blank	1 m (standard)
3	3 m (option)
5	5 m (option)

* Indicates lead wire length.

- Mounting bracket (Note 2)

• M type switch

SRL3 - M

• T type switch

SRL3 - T

- Lead wire holder (Note 3)

SRL3 - MH

Note 1: "Switch body + mounting bracket" does not include lead wire holders. Order lead wire holders separately if necessary.

Note 2: The mounting bracket is different between the M type switch and T type switch.

Note 3: The quantity of lead wire holders per set is 10.

- How to order discrete shock absorber

SRL3 - 40 - NCK

Bore size
(Item ⑧ on page 2294)

(One shock absorber, one shock absorber fixing hexagon nut)

(Note) The shock absorber fixing hexagon nut for SRL3-40 is a custom order product.

Applicable shock absorber model no.

Model no.	Applicable shock absorber
SRL3-J-25	NCK-00-1.2
SRL3-J-32	NCK-00-2.6
SRL3-J-40	NCK-00-7
SRL3-J-50/63	NCK-00-12

- How to order floating fitting set

SRL3 - 40 - Y

Bore size
(Item ⑧ on page 2294)

(A mount, mount base, pin, plain washer, pan head machine screw with spring washer, four mounting bolts)

- How to order discrete intermediate support bracket

For 00

SRL3 - 40 - L (2/set)

Bore size
(Item ⑧ on page 2294)

For LJ

SRL3 - 32 - N (2/set)

Bore size
(Item ⑧ on page 2294)

- How to order cover kit

SRL3-J - 40 - 200 - COVER-KIT

Bore size
(Item ⑧ on page 2294) Stroke length
(Item ⑤ on page 2294)

- How to order adaptor kit

SRL3-J - 40 - ADAPTOR-KIT

Bore size
(Item ⑧ on page 2294)

- How to order full stroke length adjusting bracket kit

SRL3-J - 40 - A1 (1 set)

Bore size
(Item ⑧ on page 2294)

For components, refer to page 2308.

- How to order repair parts

SRL3 - 40 K - 200

Bore size
(Item ⑧ on page 2294) Stroke length
(Item ⑤ on page 2294)

Refer to pages 2241 and 2242 for details on repair parts.

- How to order mounting bracket

SRL3-J - LJ - 32

Bore size
(Item ⑧ on page 2294)

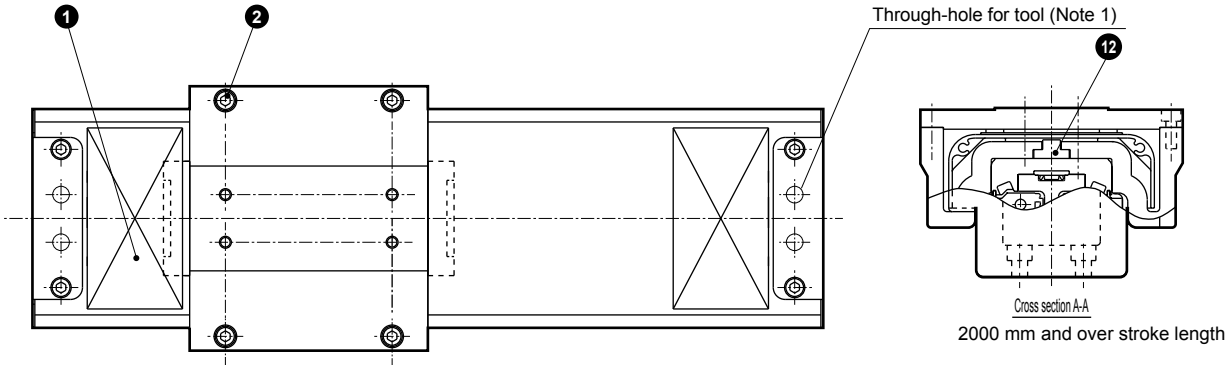
(Bracket × 2, mounting bolt × 4)

SCP3
CMK2
CMA2
SCM
SCG
SCA2
SCS2
CKV2
CAV2 COV/PIN2
SSD2
SSG
SSD
CAT
MDC2
MVC
SMG
SMD2
MSD/ MSDG
FC*
STK
STM
STG
STS/STL
LCR
LCG
LCX
LCM
LCT
LCY
STR2
UCA2
SRL3
SRG3
SRM3
SRT3
MRL2
MRG2
SM-25
Shock absorber
FJ
FK
Speed controller
Ending

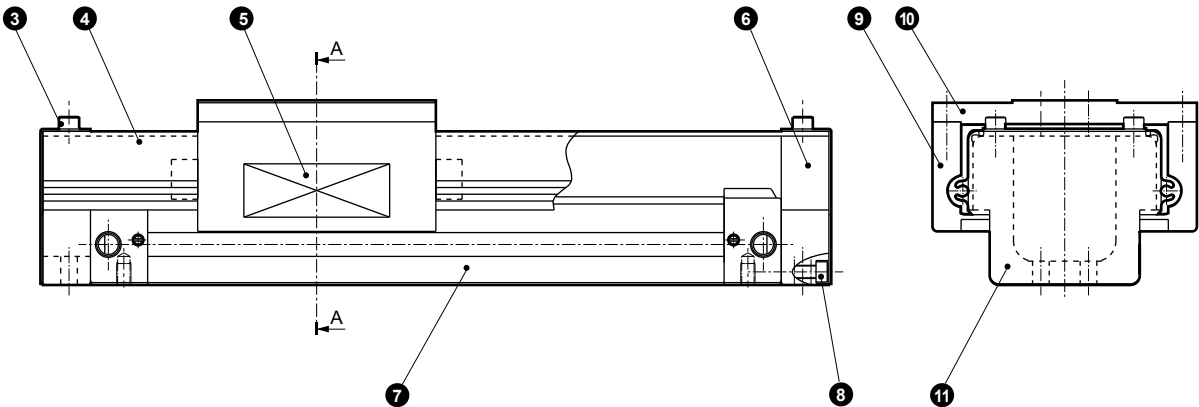
SCP*3 Internal structure and parts list (φ 25 or equiv.)

CMK2 · The internal structure and repair parts list of the body are the same as those of the standard SRL3 Series. Refer to pages 2241 and 2242.

- CMA2
- SCM
- SCG
- SCA2
- SCS2
- CKV2
- CAV2
COVPIN2
- SSD2
- SSG
- SSD
- CAT
- MDC2
- MVC
- SMG
- SMD2
- MSD/
MSDG
- FC*



- STK
- STM
- STG
- STS/STL
- LCR
- LCG
- LCX
- LCM
- LCT
- LCY
- STR2
- UCA2



- SRL3
- SRG3
- SRM3
- SRT3
- MRL2
- MRG2

Parts list

Descriptions	Parts name	Material	Remarks	Descriptions	Parts name	Material	Remarks
1	Caution plate ("Do not step on")	Polypropylene		7	Body		
2	Hexagon socket head cap screw	Stainless steel		8	Hexagon socket head cap screw	Alloy steel	
3	Hexagon socket head cap screw	Stainless steel		9	Table adaptor	Aluminum alloy	Alumite
4	Cover	Aluminum alloy	Alumite	10	Table plate	Aluminum alloy	Alumite
5	Caution plate ("Pinch point")	Polypropylene		11	Side cover	Aluminum alloy	Alumite
6	LB-J bracket	Aluminum alloy	Alumite	12	Table spacer	Polyacetal resin	

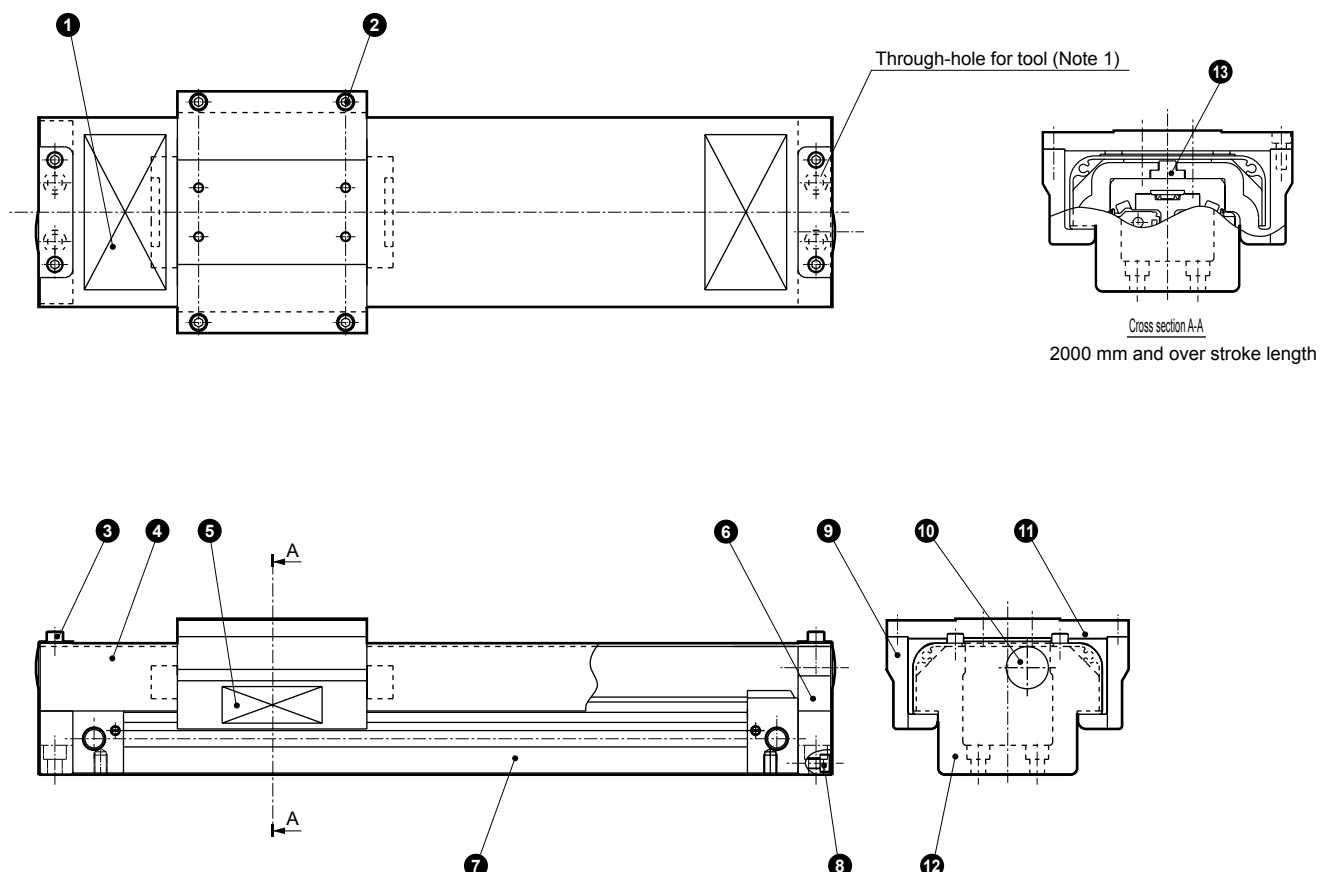
Note 1: Remove the side cover and install the product with the hole using a hexagonal wrench.

Note 2: Two extension fittings are shipped with the product.

- Ending

Internal structure and parts list (φ 32 to φ 63 or equiv.)

· The internal structure and repair parts list of the body are the same as those of the standard SRL3 Series. Refer to pages 2241 and 2242.



Parts list

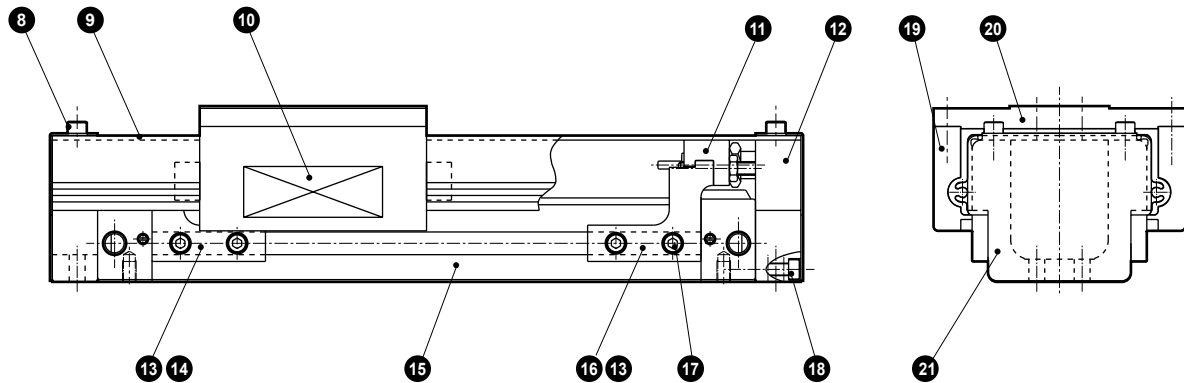
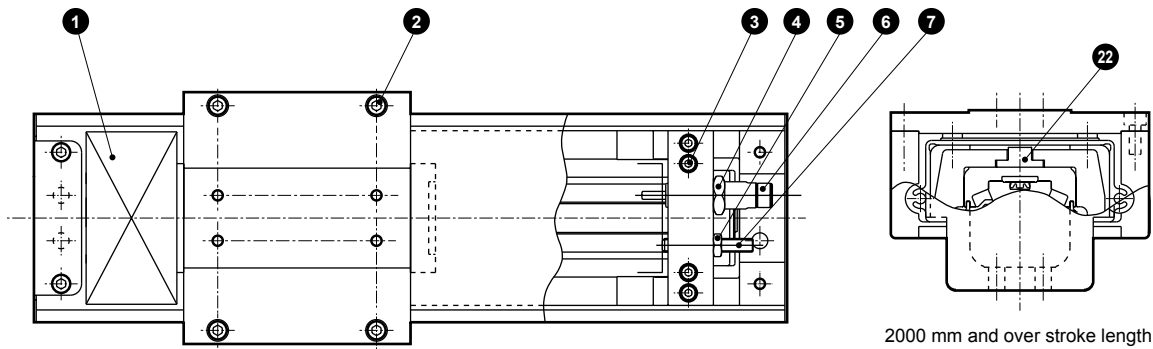
Descriptions	Parts name	Material	Remarks	Descriptions	Parts name	Material	Remarks
1	Caution plate ("Do not step on")	Polypropylene		8	Hexagon socket head cap screw	Alloy steel	Galvanizing
2	Hexagon socket head cap screw	Stainless steel		9	Table adaptor	Aluminum alloy	Alumite
3	Hexagon socket head cap screw	Stainless steel		10	Hole plug	Polyamide	
4	Cover	Aluminum alloy	Alumite	11	Table plate	Aluminum alloy	Alumite
5	Caution plate ("Pinch point")	Polypropylene		12	Side cover	Aluminum alloy	Alumite
6	LB-J bracket	Aluminum alloy	Alumite	13	Table spacer	Polyacetal resin	
7	Body						

Note 1: Remove the side cover and install the product with the hole using a hexagonal wrench.

Note 2: Two extension fittings are shipped with the product.

SCP*3
CMK2
CMA2
SCM
SCG
SCA2
SCS2
CKV2
CAV2
COV/PIN2
SSD2
SSG
SSD
CAT
MDC2
MVC
SMG
SMD2
MSD/MSDG
FC*
STK
STM
STG
STS/STL
LCR
LCG
LCX
LCM
LCT
LCY
STR2
UCA2
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SRM3
SRT3
MRL2
MRG2
SM-25
Shock absorber
FJ
FK
Speed controller
Ending

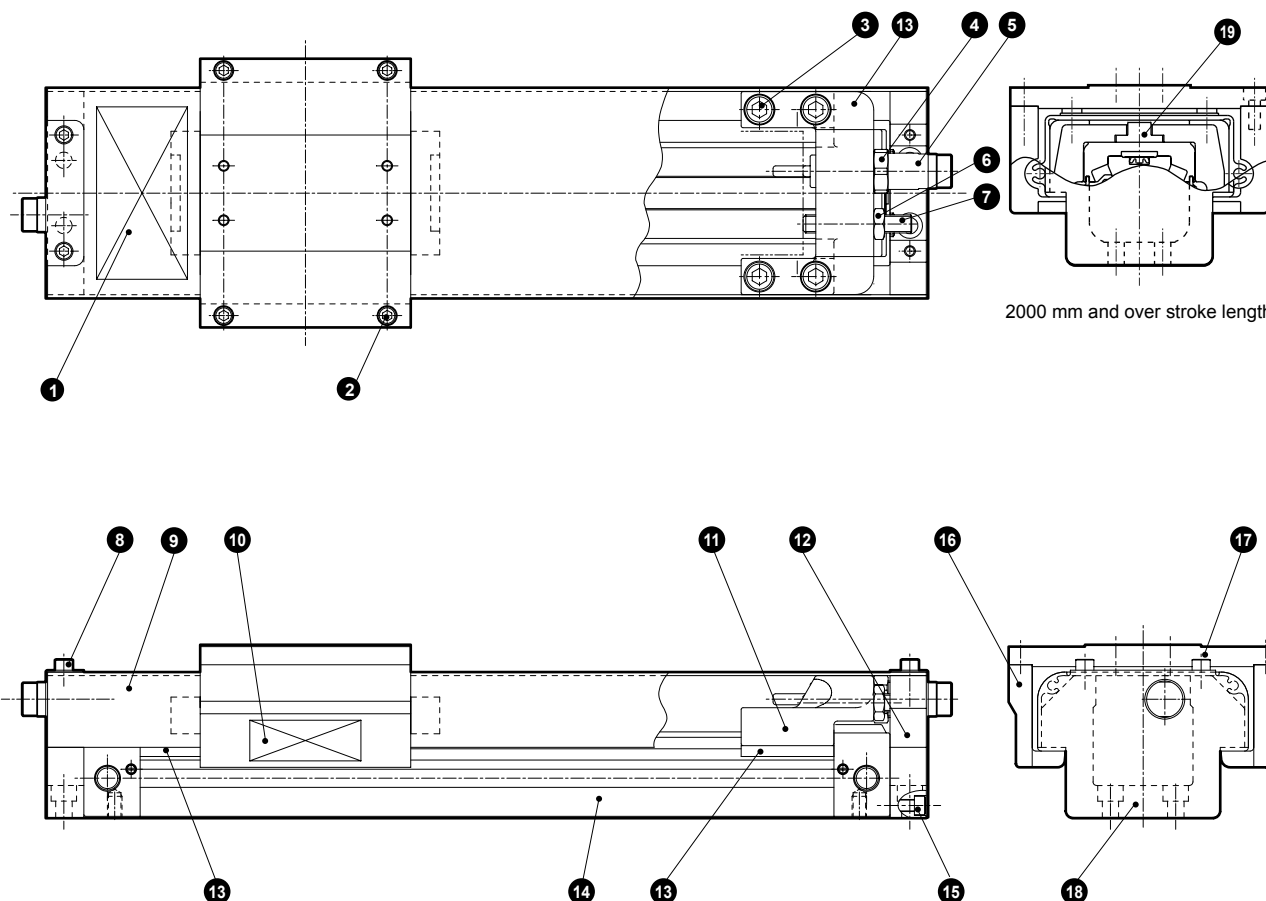
SCP*3 Internal structure and parts list: Full stroke length adjustable with shock absorber (φ 25 or equiv.)



Descriptions	Parts name	Material	Remarks	Descriptions	Parts name	Material	Remarks
1	Caution plate ("Do not step on")	Polypropylene		12	LB-J bracket	Aluminum alloy	Alumite
2	Hexagon socket head cap screw	Stainless steel		13	Flat nut	Alloy steel	Blackening
3	Hexagon socket head cap screw	Alloy steel	Galvanizing	14	Adaptor(R)	Steel	Galvanizing
4	Hexagon nut	Steel	Galvanizing	15	Body		
5	Hexagon nut	Steel	Galvanizing	16	Adaptor(L)	Steel	Galvanizing
6	Shock absorber			17	Hexagon socket head cap screw	Alloy steel	Galvanizing
7	Hexagon socket set screw	Alloy steel	Galvanizing	18	Hexagon socket head cap screw	Alloy steel	Galvanizing
8	Hexagon socket head cap screw	Stainless steel		19	Table adaptor	Aluminum alloy	Alumite
9	Cover	Aluminum alloy	Alumite	20	Table plate	Aluminum alloy	Alumite
10	Caution plate ("Pinch point")	Polypropylene		21	Side cover	Aluminum alloy	Alumite
11	Plate	Aluminum alloy	Alumite	22	Table spacer	Polyacetal resin	

Note 1: Two extension fittings are shipped with the product.

Internal structure and parts list: Full stroke length adjustable with shock absorber (φ 32 to φ 63 or equiv.)



Descriptions	Parts name	Material	Remarks	Descriptions	Parts name	Material	Remarks
1	Caution plate ("Do not step on")	Polypropylene		11	Adaptor	Steel	Galvanizing
2	Hexagon socket head cap screw	Stainless steel		12	LB-J bracket	Aluminum alloy	Alumite
3	Hexagon socket head cap screw	Alloy steel	Galvanizing	13	Adaptor nut	Steel	Galvanizing
4	Hexagon nut	Steel	Galvanizing	14	Body		
5	Shock absorber			15	Hexagon socket head cap screw	Alloy steel	Galvanizing
6	Hexagon nut	Steel	Galvanizing	16	Table adaptor	Aluminum alloy	Alumite
7	Hexagon socket set screw	Alloy steel	Galvanizing	17	Table plate	Aluminum alloy	Alumite
8	Hexagon socket head cap screw	Stainless steel		18	Side cover	Aluminum alloy	Alumite
9	Cover	Aluminum alloy	Alumite	19	Table spacer	Polyacetal resin	
10	Caution plate ("Pinch point")	Polypropylene					

Note 1: Two extension fittings are shipped with the product.

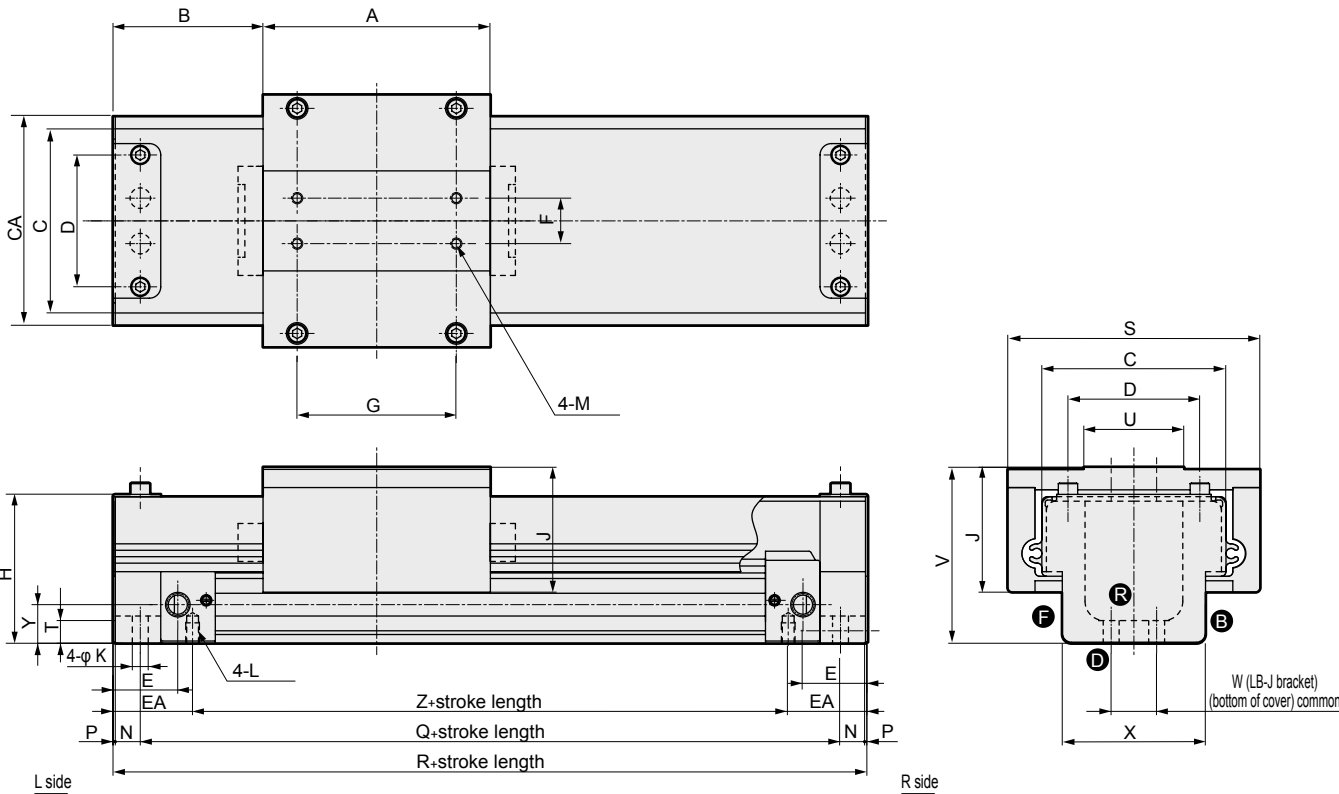
SCP*3
CMK2
CMA2
SCM
SCG
SCA2
SCS2
CKV2
CAV2 COVPIN2
SSD2
SSG
SSD
CAT
MDC2
MVC
SMG
SMD2
MSD/ MSDG
FC*
STK
STM
STG
STS/STL
LCR
LCG
LCX
LCM
LCT
LCY
STR2
UCA2
SRL3
SRG3
SRM3
SRT3
MRL2
MRG2
SM-25
Shock absorber
FJ
FK
Speed controller
Ending

SRL3-J Series



Dimensions (φ 25 or equiv.)

● φ 25 equiv.



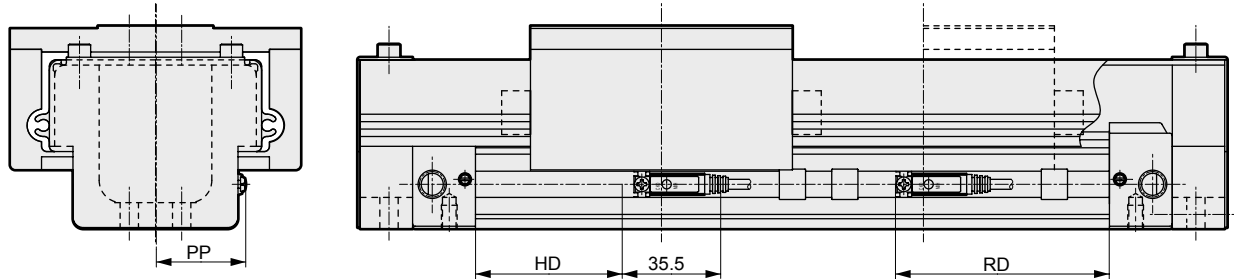
Symbol	A	B	C	CA	D	E	EA	F	G	H	J	K	L	M
Bore size (mm)														
SRL3-J-25	100	66	81	91.9	58	28.5	35	20	70	65.5	55	7	M6 depth 9	M5 penetrating
Symbol	N	P	Q	R	S	T	U	V	W	X	Y	Z		
Bore size (mm)														
SRL3-J-25	11	1	208	232	111	10	44	77.5	20	63	17	162		

Note 1: Installation dimensions are the same between SRL3-J and SRL3-LB (pages 2246 and 2247).
Note 2: Two extension fittings are shipped with the product.

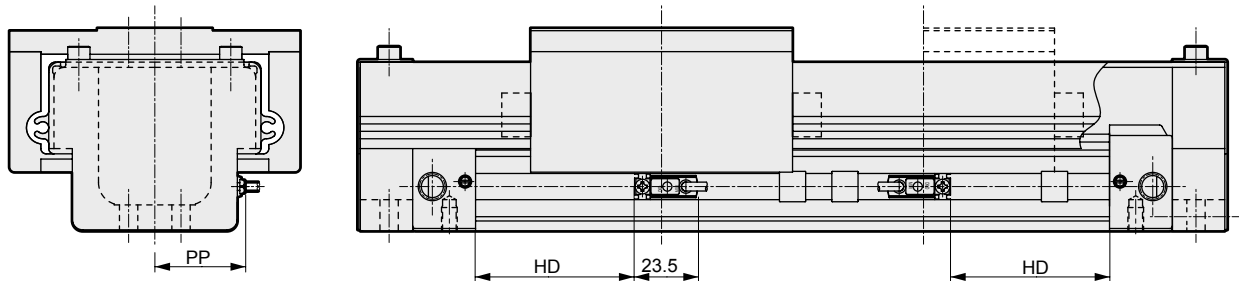
Dimensions

● ϕ 25 or equiv. (with switch)

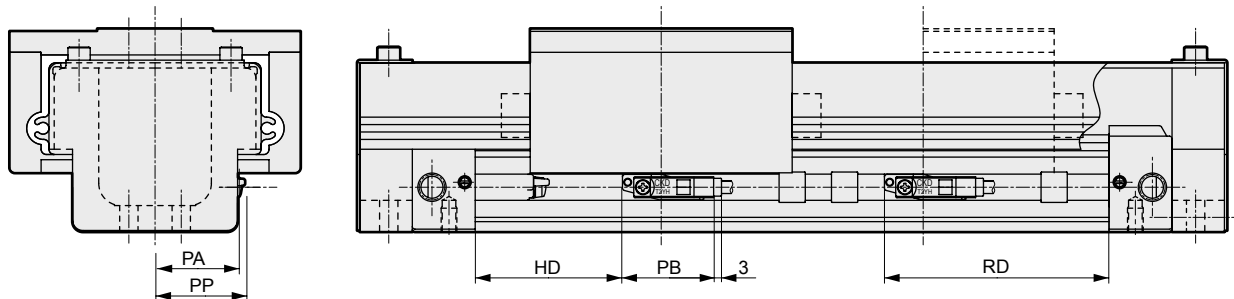
● With cylinder switch SRL3-J-**-***-M*H* (lead wire straight type)



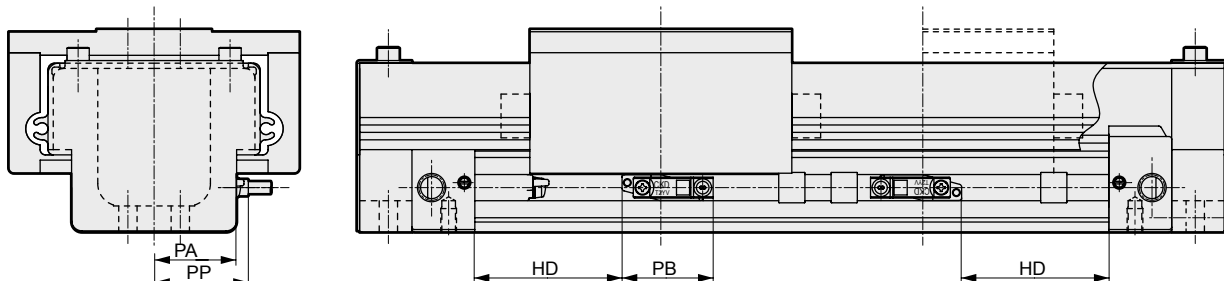
● With cylinder switch SRL3-J-**-***-M*V* (lead wire L-shaped type)



● With cylinder switch SRL3-J-**-***-T*H (T*W, T*Y, T*YL, T*YD) (lead wire straight type)



● With cylinder switch SRL3-J-**-***-T*V (T*W, T*Y, T*YL) (lead wire L-shaped type)



Symbol	With switch																
Bore size (mm)	HD			RD			PA	PB			PP						
	M*	T*Y*	T*W	M*	T*Y*	T*W		T*Y*	T2YD	T*W*	M*V	M*H	T*YV	T*YH	T2YD	T*WV	T*WH
φ 25 or equiv.	60	56	52	82	86	90	34.3	35	34	33.5	34.5	34.5	36	33	38.4	30.7	27.2

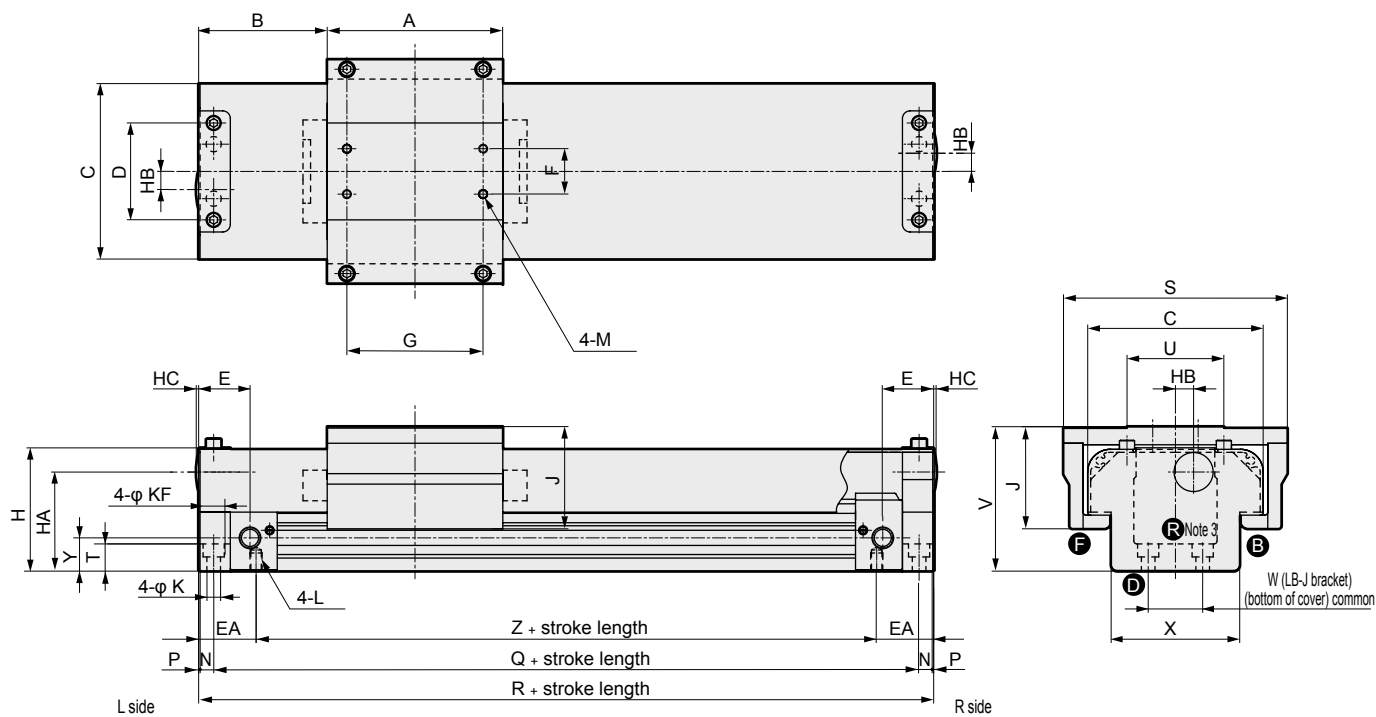
SCP3
CMK2
CMA2
SCM
SCG
SCA2
SCS2
CKV2
CAV2
COVPIN2
SSD2
SSG
SSD
CAT
MDC2
MVC
SMG
SMD2
MSD/MSDG
FC*
STK
STM
STG
STS/STL
LCR
LCG
LCX
LCM
LCT
LCY
STR2
UCA2
SRL3
SRG3
SRM3
SRT3
MRL2
MRG2
SM-25
Shock absorber
FJ
FK
Speed controller
Ending

SRL3-J Series



Dimensions

● ϕ 32 to ϕ 63 or equiv.



Symbol	A	B	C	D	E	EA	F	G	H	HA	HB	HC	J	K	KF	
Bore size (mm)																
SRL3-J-32	106	81	102	58	31	36	20	80	71.5	55.5	12	2	61	7	-	
SRL3-J-40	116	85	116	64	34	38	30	90	81.5	65.5	12	2	67.5	9	14 spot face depth 8.6	
SRL3-J-50	120	90	140	84	36	44	30	100	102	80	17	2	85	9	14 spot face depth 8.6	
SRL3-J-63	136	106	162	95	41	45	40	110	115	93.5	20	2	91	11	17.5 spot face depth 10.8	
Symbol	L		M		N	P	Q	R	S	T	U	V	W	X	Y	Z
Bore size (mm)																
SRL3-J-32	M6 depth 9		M6 penetrating		11	1	244	268	134	11	52	85.5	32	72	18.5	196
SRL3-J-40	M8 depth 12		M6 penetrating		9	1	266	286	148	18	64	95.5	36	85	22	210
SRL3-J-50	M8 depth 12		M8 penetrating		9	1	280	300	178	22.5	74	119	45	109	28	212
SRL3-J-63	M10 depth 15		M8 penetrating		12	1	322	348	200	28	96	132	50	129	35	258

Note 1: Installation dimensions are the same between SRL3-J and SRL3-LB (pages 2246 and 2247).

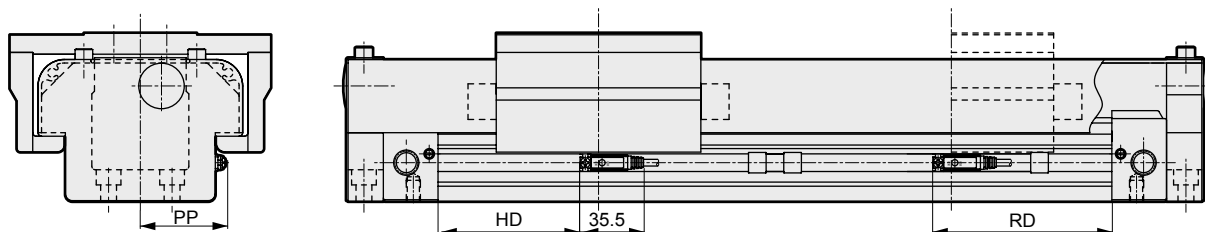
Note 2: Two extension fittings are shipped with the product.

Note 3: R port position is not available for the mounting type "00" of ϕ 32.

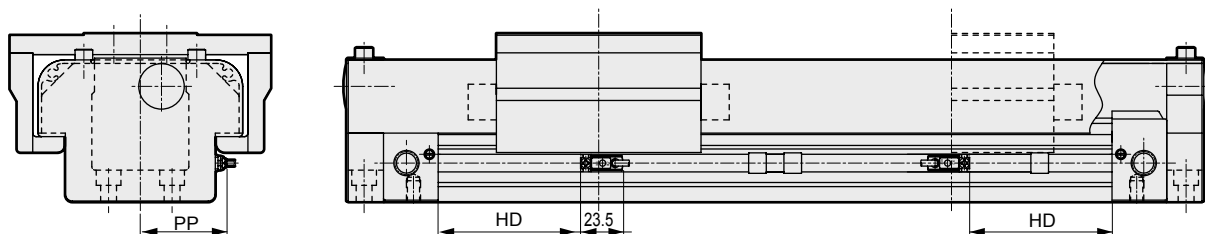
Dimensions

● ϕ 32 to ϕ 63 or equiv. (with switch)

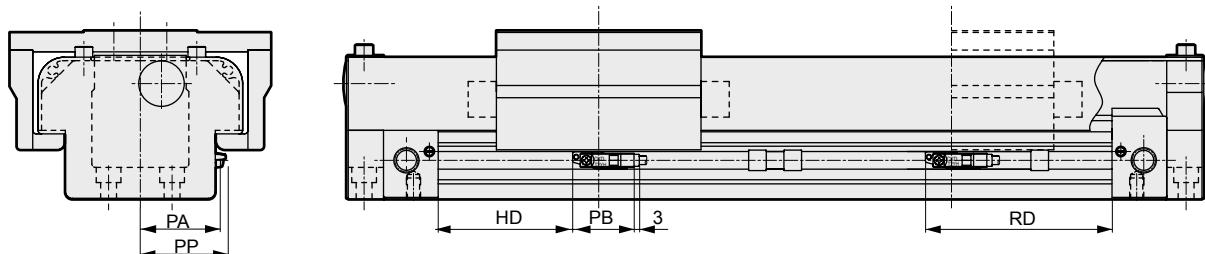
● With cylinder switch SRL3-J-**-***-M*H* (lead wire straight type)



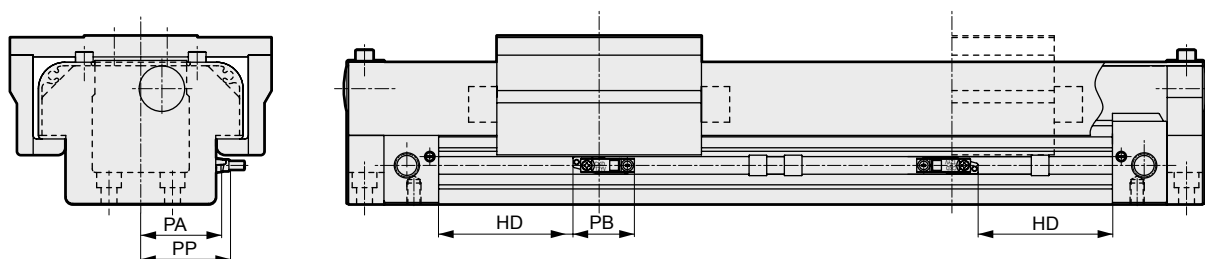
● With cylinder switch SRL3-J-**-***-M*V* (lead wire L-shaped type)



● With cylinder switch SRL3-J-**-***-T*H (T*W, T*Y, T*YL, T*YD) (lead wire straight type)



● With cylinder switch SRL3-J-**-***-T*V (T*W, T*Y, T*YL) (lead wire L-shaped type)

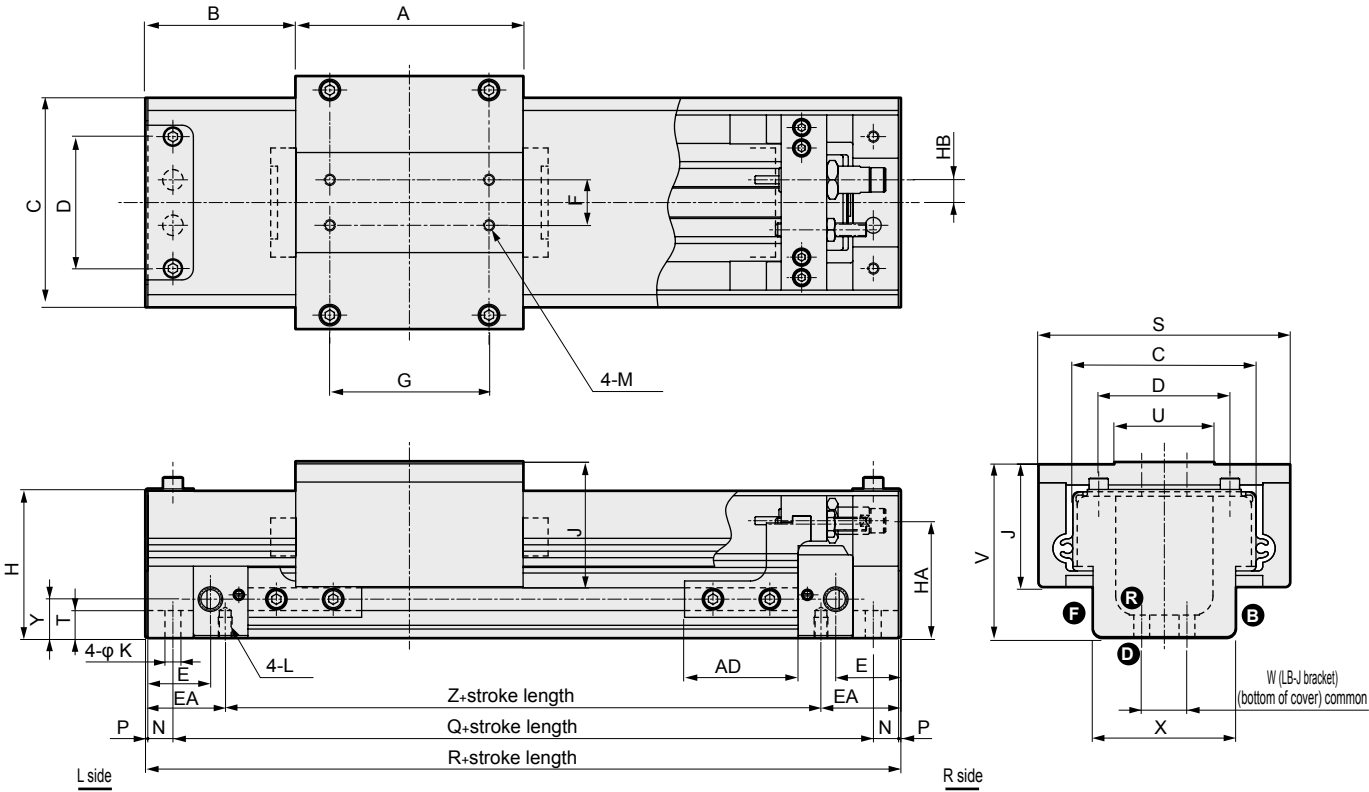


Symbol	With switch																
Bore size (mm)	HD			RD			PA	PB			PP						
	M*	T*Y*	T*W	M*	T*Y*	T*W		T*Y*	T2YD	T*W*	M*V	M*H	T*YV	T*YH	T2YD	T*WV	T*WH
φ 32 or equiv.	74	70	66	96	100	104	41.3	35	34	33.5	41.5	41.5	43	40	45.4	37.7	34.2
φ 40 or equiv.	80	76	72	102	106	110	48.3	35	34	33.5	48.5	48.5	50	47	52.4	44.7	41.2
φ 50 or equiv.	79	75	71	101	105	109	56.3	35	34	33.5	56.5	56.5	58	55	60.4	52.7	49.2
φ 63 or equiv.	98	94	90	120	124	128	67.3	35	34	33.5	67.5	67.5	69	66	71.4	63.7	60.2

SCP3
CMK2
CMA2
SCM
SCG
SCA2
SCS2
CKV2
CAV2
COVPIN2
SSD2
SSG
SSD
CAT
MDC2
MVC
SMG
SMD2
MSD/MSDG
FC*
STK
STM
STG
STS/STL
LCR
LCG
LCX
LCM
LCT
LCY
STR2
UCA2
SRL3
SRG3
SRM3
SRT3
MRL2
MRG2
SM-25
Shock absorber
FJ
FK
Speed controller
Ending

SRL3-J Series

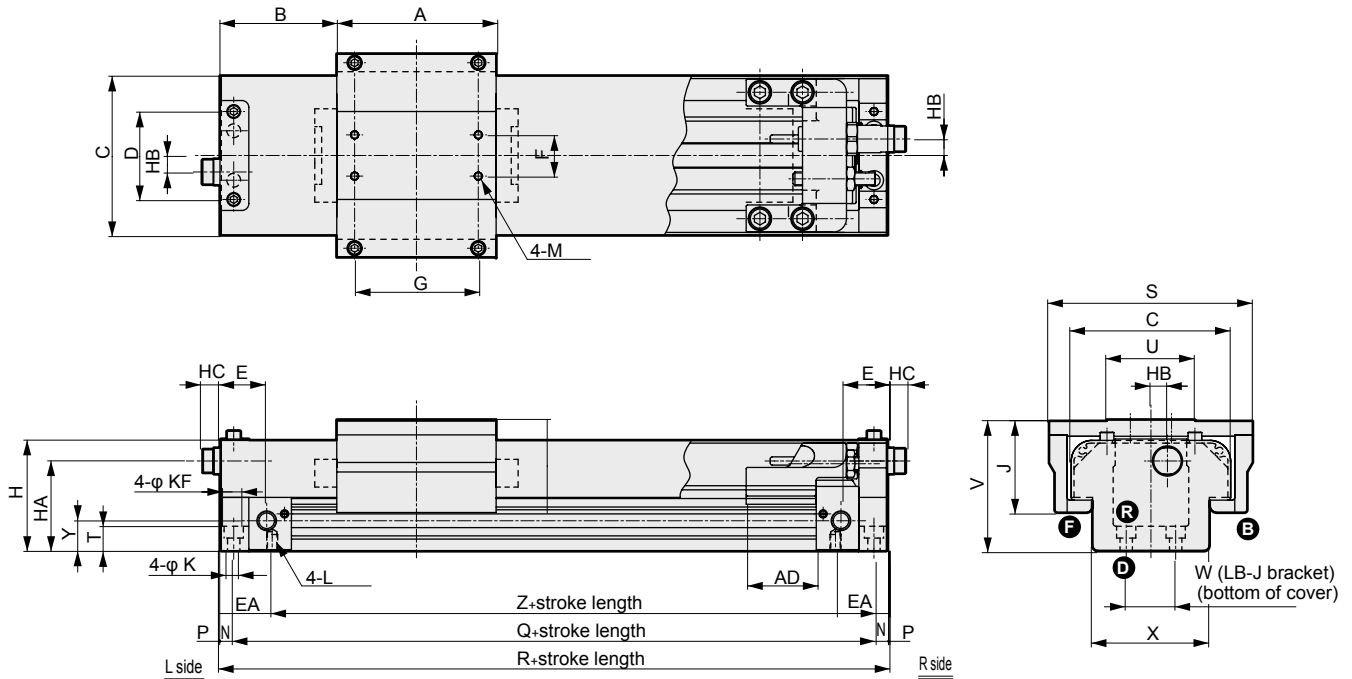
Dimensions: Full stroke length adjustable with shock absorber (φ 25 or equiv.)



SRL3	Symbol	A	AD	B	C	D	E	EA	F	G	H	HA	HB	J	K
SRG3	Bore size (mm)														
	SRL3-J-25-A	100	50	66	81	58	28.5	35	20	70	65.5	51.5	10	55	7
SRM3	Symbol	L	M	N	P	Q	R	S	T	U	V	W	X	Y	Z
SRT3	Bore size (mm)														
	SRL3-J-25-A	M6 depth 9	M5 penetrating	11	1	208	232	111	10	44	77.5	20	63	17	162

Note 1: Installation dimensions are the same between SRL3-J and SRL3-LB (pages 2246 and 2247).
Note 2: Two extension fittings are shipped with the product.

Dimensions: Full stroke length adjustable with shock absorber (φ 32 to φ 63 or equiv.)



Symbol	A	AD	B	C	D	E	EA	F	G	H	HA	HB	HC _{MAX}	J	K	KF	L	M
Bore size (mm)																		
SRL3-J-32-A	106	46	81	102	58	31	36	20	80	70.5	55.5	12	6	61	7	—	M16 depth 9	M6 penetrating
SRL3-J-40-A	116	51	85	116	64	34	38	30	90	80.5	65.5	12	13	67.5	9	14 spot face depth 8.6	M8 depth 12	M6 penetrating
SRL3-J-50-A	120	53	90	140	84	36	44	30	100	101	80	17	34	85	9	14 spot face depth 8.6	M8 depth 12	M8 penetrating
SRL3-J-63-A	136	64	106	162	95	41	45	40	110	114	93.5	20	18	91	11	17.5 spot face depth 10.8	M10 depth 15	M8 penetrating
Symbol	N	P	Q	R	S	T	U	V	W	X	Y	Z						
Bore size (mm)																		
SRL3-J-32-A	11	1	244	268	134	11	52	85.5	32	72	18.5	196						
SRL3-J-40-A	9	1	266	286	148	18	64	95.5	36	85	22	210						
SRL3-J-50-A	9	1	280	300	178	22.5	74	119	45	109	28	212						
SRL3-J-63-A	12	1	322	348	200	28	96	132	50	129	35	258						

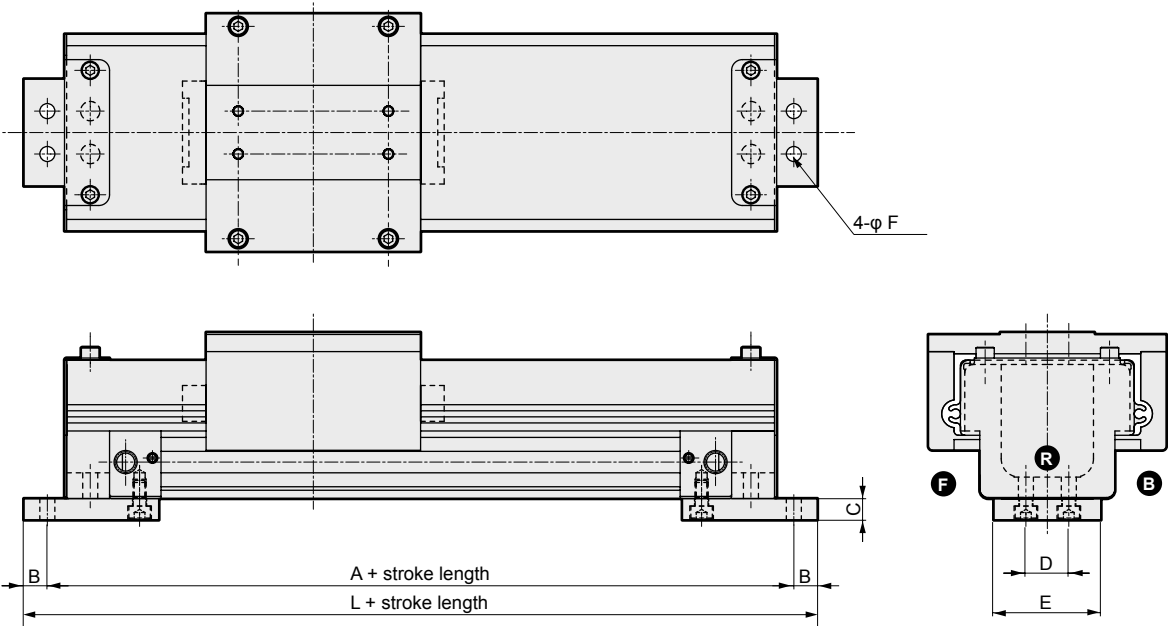
Note 1: Installation dimensions are the same between SRL3-J and SRL3-LB (pages 2246 and 2247).

Note 2: Two extension fittings are shipped with the product.

SRL3-J Series

- SCP*3
- CMK2
- CMA2
- SCM
- SCG
- SCA2
- SCS2
- CKV2
- CAV2
COVPIN2
- SSD2
- SSG
- SSD
- CAT
- MDC2
- MVC
- SMG
- SMD2
- MSD/
MSDG
- FC*
- STK
- STM
- STG
- STS/STL
- LCR
- LCG
- LCX
- LCM
- LCT
- LCY
- STR2
- UCA2
- SRL3**
- SRG3
- SRM3
- SRT3
- MRL2
- MRG2
- SM-25
- Shock absorber
- FJ
- FK
- Speed controller
- Ending

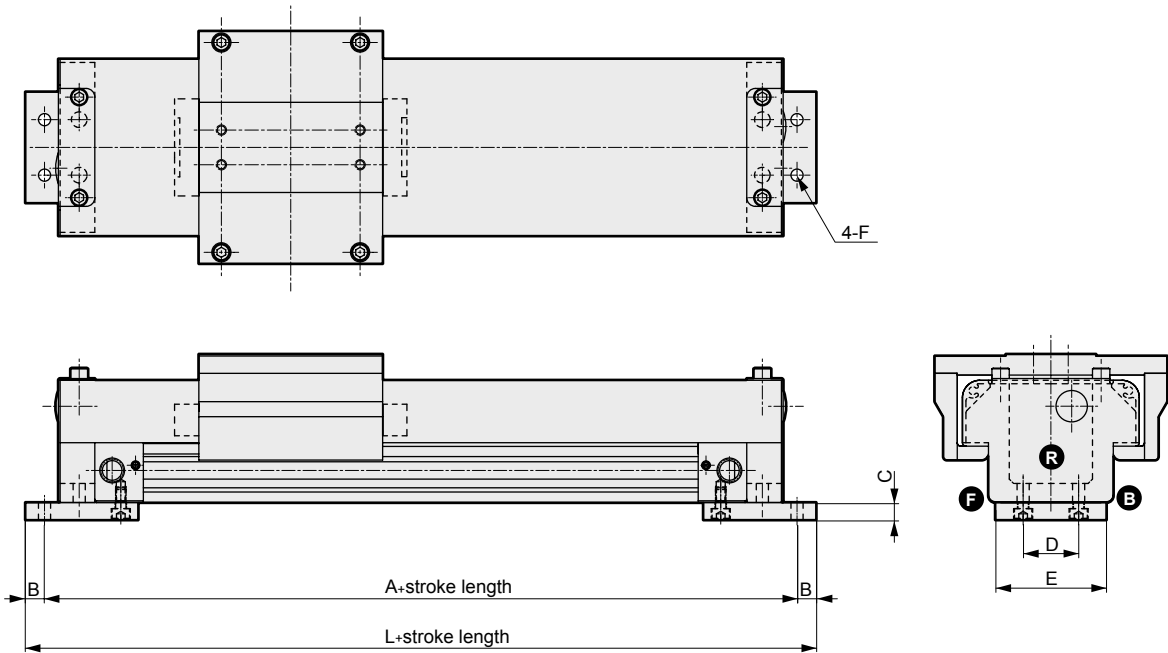
Dimensions: Mounting style (LJ) (φ 25 or equiv.)



Symbol	A	B	C	D	E	F	L
Bore size (mm)							
SRL3-J-LJ-25-A	248	11	10	20	50	7	270

* The dimensions are the same between the full stroke length adjustable type with shock absorber (A*) and the basic type.

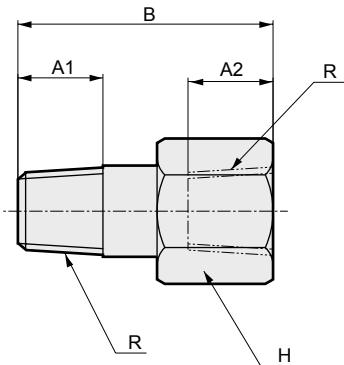
Dimensions: Mounting style (LJ) (φ 32 or equiv.)



Symbol	A	B	C	D	E	F	L
Bore size (mm)							
SRL3-J-LJ-32-A	284	11	10	32	64	7	306

* The dimensions are the same between the full stroke length adjustable type with shock absorber (A*) and the basic type.

Dimensions: Extension fitting



Symbol	A1	A2	B	R	H
SRL3-J-PF01	8	8	28.5	Rc1/8	14
SRL3-J-PF02	11	11	33	Rc1/4	17
SRL3-J-PF03	12	12	37	Rc3/8	21

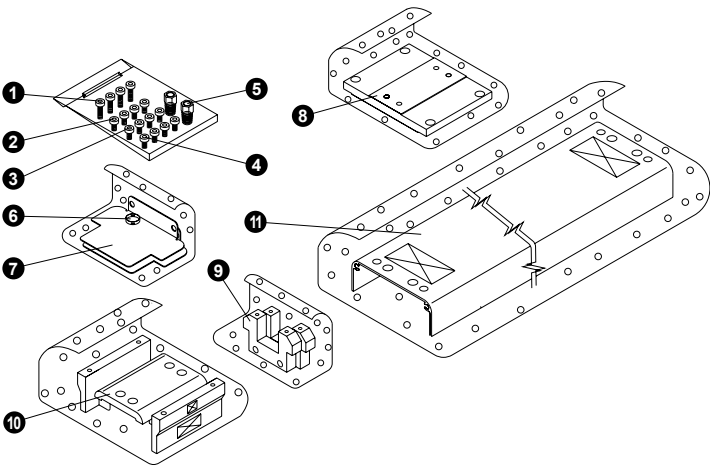
SCP3
CMK2
CMA2
SCM
SCG
SCA2
SCS2
CKV2
CAV2
COVPIN2
SSD2
SSG
SSD
CAT
MDC2
MVC
SMG
SMD2
MSD/MSDG
FC*
STK
STM
STG
STS/STL
LCR
LCG
LCX
LCM
LCT
LCY
STR2
UCA2
SRL3
SRG3
SRM3
SRT3
MRL2
MRG2
SM-25
Shock absorber
FJ
FK
Speed controller
Ending

Configurations table

Cover kit

SRL3-J - 40 - 200 - COVER - KIT

Bore size Stroke length
(Item ③ on page 2294) (Item ④ on page 2294)



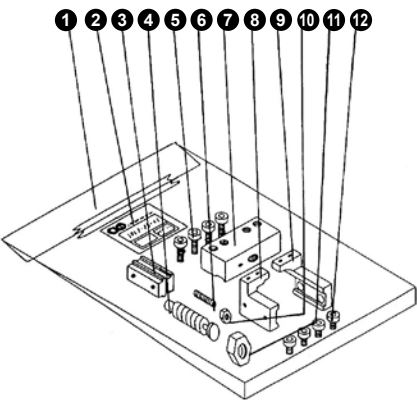
No.	Parts list	Quantity
1	Hexagon socket head cap screw	4
2	Hexagon socket head cap screw	4
3	Hexagon socket head cap screw	4
4	Hexagon socket head cap screw	4
5	Extension fitting	2
6	Hole plug	2
7	Side cover	2
8	Table plate	1
9	LB-J bracket	2
10	Table adaptor	1
11	Cover	1

Full stroke length adjusting bracket kit

● Full stroke length adjusting bracket kit

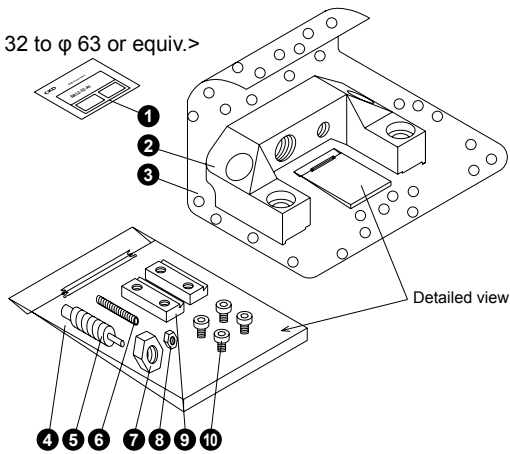
SRL3-J - 40 - A1 1 set

<φ 25 or equiv.> Bore size
(Item ③ on page 2294)



No.	Parts list	Quantity
1	Plastic bag	1
2	Package label (S)	1
3	Flat nut	2
4	Shock absorber	1
5	Hexagon socket head cap screw	4
6	Hexagon socket set screw	1
7	Plate	1
8	Adaptor(R)	1
9	Adaptor(L)	1
10	Stopper bolt fixing nut	1
11	Shock absorber fixing nut	1
12	Hexagon socket head cap screw	4

<φ 32 to φ 63 or equiv.>



No.	Parts list	Quantity
1	Package label (S)	1
2	Adaptor	1
3	Bubble wrapping	
4	Plastic bag	1
5	Shock absorber	1
6	Hexagon socket set screw	1
7	Hexagon nut	1
8	Hexagon nut	1
9	Adaptor nut	2
10	Hexagon socket head cap screw	4

Kit weight list

Mounting bracket kit

Kit no.	Weight (g)
SRL3-J-LJ-25	176
SRL3-J-LJ-32	230

Adaptor kit

Kit no.	Weight (g)
SRL3-J-25-ADAPTOR-KIT	266
SRL3-J-32-ADAPTOR-KIT	504
SRL3-J-40-ADAPTOR-KIT	753
SRL3-J-50-ADAPTOR-KIT	1598
SRL3-J-63-ADAPTOR-KIT	1861

Extension fitting kit

Kit no.	Weight (g)
SRL3-J-PF01	34
SRL3-J-PF02	63
SRL3-J-PF03	104

Cover kit

Kit no.	Weight (g)
<Less than 2000 st>	
SRL3-J-25-*COVER-KIT	$1382 + 89 \times \text{stroke length}/100$
SRL3-J-32-*COVER-KIT	$1802 + 101 \times \text{stroke length}/100$
SRL3-J-40-*COVER-KIT	$2221 + 117 \times \text{stroke length}/100$
SRL3-J-50-*COVER-KIT	$3626 + 147 \times \text{stroke length}/100$
SRL3-J-63-*COVER-KIT	$4892 + 166 \times \text{stroke length}/100$
<2000stand over>	
SRL3-J-25-*COVER-KIT	$1379 + 89 \times \text{stroke length}/100$
SRL3-J-32-*COVER-KIT	$1799 + 101 \times \text{stroke length}/100$
SRL3-J-40-*COVER-KIT	$2218 + 117 \times \text{stroke length}/100$
SRL3-J-50-*COVER-KIT	$3621 + 147 \times \text{stroke length}/100$
SRL3-J-63-*COVER-KIT	$4887 + 166 \times \text{stroke length}/100$

Full stroke length adjusting kit

Kit no.	Weight (g)
SRL3-J-25-A1	375
SRL3-J-32-A1	644
SRL3-J-40-A1	1032
SRL3-J-50-A1	2128
SRL3-J-63-A1	2454

SCP3
CMK2
CMA2
SCM
SCG
SCA2
SCS2
CKV2
CAV2 COVPIN2
SSD2
SSG
SSD
CAT
MDC2
MVC
SMG
SMD2
MSD/ MSDG
FC*
STK
STM
STG
STS/STL
LCR
LCG
LCX
LCM
LCT
LCY
STR2
UCA2
SRL3
SRG3
SRM3
SRT3
MRL2
MRG2
SM-25
Shock absorber
FJ
FK
Speed controller
Ending