

# LSA-S6SS

Shaft type, 60 mm wide  
Standard type, single-slider



■ Model Name **LSA-S6SS** — I — 100 —  — T2 —  —

Series — Type — Encoder type — Applicable drive output — Stroke — Applicable controller — Cable length — Options

I: Incremental 100W 100 : 48:48mm 2 : SCON T2 : N: None Refer to the options table below.  
S: 3m SSEL M: 5m  
1248:1248mm XSEL-P/-Q X

\* Refer to P.13 for details on each item comprising the model name.

## Model Specifications

Model	Encoder type	Applicable drive output (per slider)	Stroke Specified in 48-mm steps (mm)	Speed (Note 1) (mm/sec)	Payload (Note 2)		Rated thrust (N)	Maximum thrust (N)	Maximum acceleration (G) (Note 2)
					Horizontal (kg)	Vertical (kg)			
LSA-S6SS-I-100- <input type="checkbox"/> -T2- <input type="checkbox"/> - <input type="checkbox"/>	I: Incremental	100	48-1248	2500	3	—	15	60	3

\* In the above model names,  indicates the stroke,  indicates the cable length, and  indicates the options.

## Options

Name	Model	Reference page	Remarks
Cable track installation direction	CT2-6	→P14	Installation directions 2 to 6
Cable track for user wiring, type S	US1-6	→P14	Installation directions 1 to 6
Cable track for user wiring, type M	UM1-6	→P14	Installation directions 1 to 6

## Common Specifications

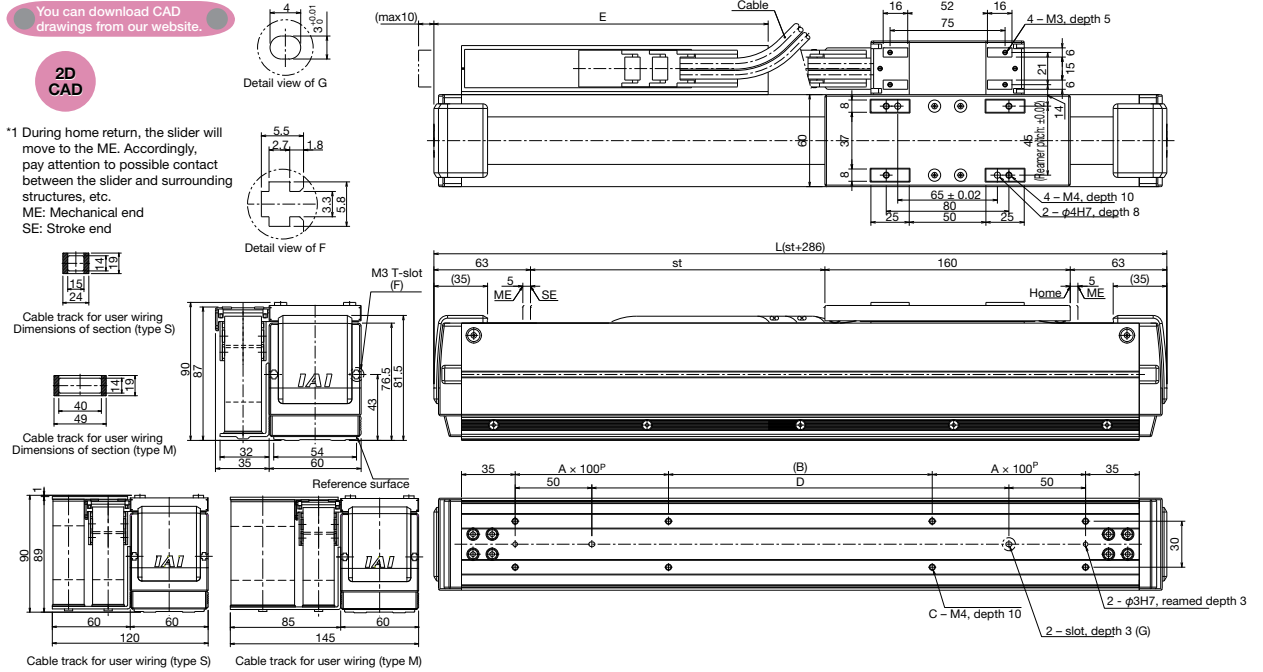
Drive method	Linear servo motor
Positioning repeatability	±0.005mm
Guide	Built-in linear guide
Permissible load moment	Ma: 28.9N • m Mb: 41.2 • m Mc: 22.5N • m
Overhang load length	300 mm or less in Ma direction / 300 mm or less in Mb/Mc directions
Base	Material: Aluminum with white alumite treatment
Applicable controller	T2: SCON, SSEL, XSEL-P/Q
Cable length (Note 3)	N: No Cable S: 3m M: 5m X <input type="checkbox"/> <input type="checkbox"/> : Specified length
Ambient operating temperature	0 to 40°C, 85% RH or below (non-condensing)

## Dimensions

You can download CAD drawings from our website.

2D CAD

\*1 During home return, the slider will move to the ME. Accordingly, pay attention to possible contact between the slider and surrounding structures, etc.  
ME: Mechanical end  
SE: Stroke end



Stroke	48	96	144	192	240	288	336	384	432	480	528	576	624	672	720	768	816	864	912	960	1008	1056	1104	1152	1200	1248
L	334	382	430	478	526	574	622	670	718	766	814	862	910	958	1006	1054	1102	1150	1198	1246	1294	1342	1390	1438	1486	1534
A	1	1	1	2	2	2	2	3	3	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6	7	7
B	28	76	124	172	20	68	116	164	12	60	108	156	204	52	100	148	196	44	92	140	188	36	84	132	180	28
C	8	8	8	8	12	12	12	12	16	16	16	16	16	20	20	20	20	24	24	24	24	28	28	28	28	32
D	128	176	224	272	320	368	416	464	512	560	608	656	704	752	800	848	896	944	992	1040	1088	1136	1184	1232	1280	1328
E	143	168	193	218	243	268	293	318	343	368	393	418	443	468	493	518	543	568	593	618	643	668	693	718	743	768
Weight (kg)	3.1	3.3	3.5	3.7	3.9	4.1	4.3	4.5	4.7	5.0	5.2	5.4	5.6	5.8	6.0	6.2	6.4	6.6	6.8	7.0	7.3	7.5	7.7	7.9	8.1	8.3

## Applicable Controller Specifications

Applicable controller	Maximum controlled axes	Operating method	Power-supply voltage	Reference page
XSEL	6 axes	Program	Single-phase/ three-phase AC 200 V	→P53
SSEL	2 axes	Program/positioner	Single-phase AC100/200V	→P52
SCON	1 axis	Pulse train/positioner	Single-phase AC100/200V	→P51



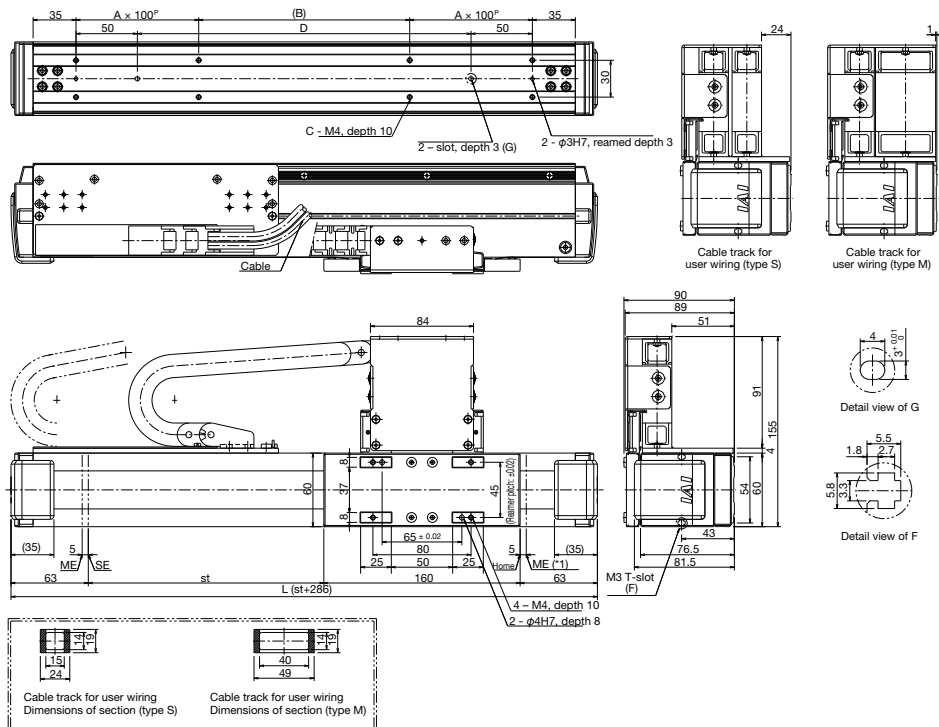
(Note 1) The maximum speed may not be attained if the stroke is short.  
(Note 2) The maximum acceleration varies depending on the operating conditions.  
(Note 3) The maximum cable length is 20 m for the SCON/SSEL and 30 m for the XSEL. Specify a desired length in units of meters. (Example: X08 = 8 m)

Dimensions – Sideway Specification (Standard)

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2D CAD

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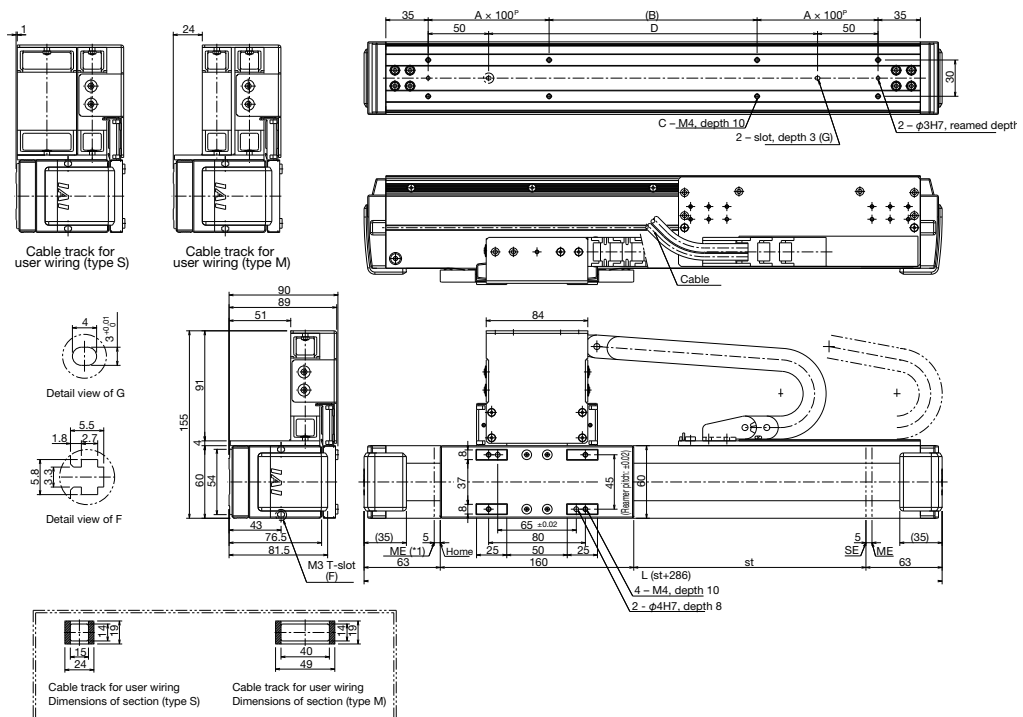
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A	1	1	1	1	2	2	2	2	3	3	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6	7
B	28	76	124	172	20	68	116	164	12	60	108	156	204	52	100	148	196	44	92	140	188	36	84	132	180	28
C	8	8	8	8	12	12	12	12	16	16	16	16	20	20	20	20	24	24	24	24	24	28	28	28	28	32
D	128	176	224	272	320	368	416	464	512	560	608	656	704	752	800	848	896	944	992	1040	1088	1136	1184	1232	1280	1328
Weight (kg)	3.6	3.8	4.0	4.2	4.4	4.6	4.8	5.0	5.2	5.5	5.7	5.9	6.1	6.3	6.5	6.7	6.9	7.1	7.3	7.5	7.8	8.0	8.2	8.4	8.6	8.8

Dimensions – Sideway Specification (Cable Track, Opposite)

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2D CAD

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Shaft type

Small type

Flat type

Medium type

Large type