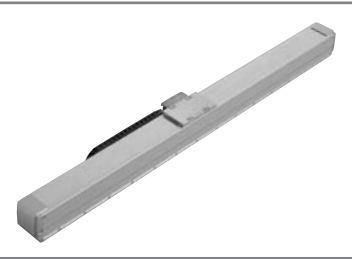


# LSA-S10SS

Shaft type, 100 mm wide  
Standard type, single-slider



■ Model Name **LSA-S10SS** - **I** - **200** - [ ] - **T2** - [ ] - [ ]

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

I : Incremental specification     200 : 200W     90: 90mm     T2 : SCON     N: None     Refer to the options table below.  
S: 3m  
M: 5m  
XSEL: SSEL     XSEL=P/-Q

\* Refer to P.13 for details on each item comprising the model name.     2070 : 2070mm

### Model Specifications

Model	Encoder type	Applicable drive output (per slider)	Stroke Specified in 90-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-S10SS-I-200-[1]-T2-[2]-[3]	I: Incremental	200	90-2070	2500	15	-	65	260	3

\* In the above model names, [1] indicates the stroke, [2] indicates the cable length, and [3] 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

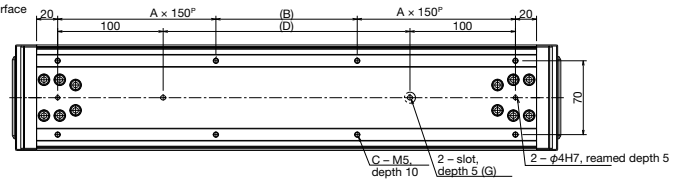
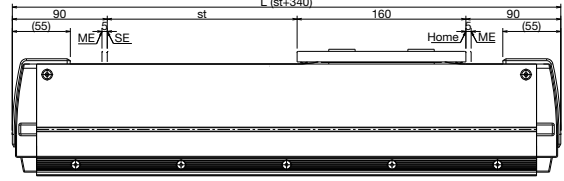
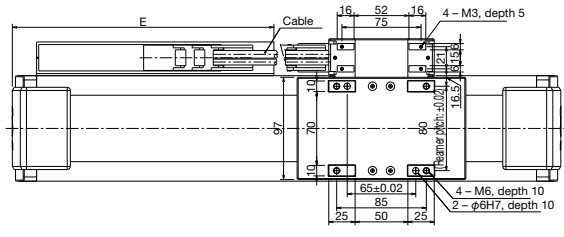
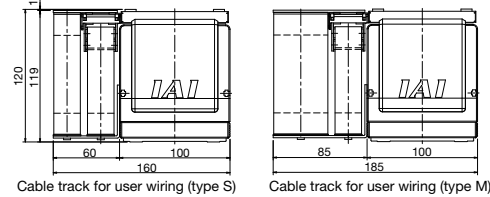
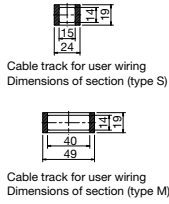
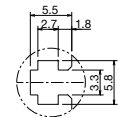
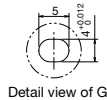
Drive method	Linear servo motor
Positioning repeatability	±0.005mm
Guide	Built-in linear guide
Permissible load moment	Ma: 57.4N • m Mb: 81.9 • m Mc: 60.8N • m
Overhang load length	300 mm or less in Ma direction / 300 mm or less in Mb/Mc directions
Base	Material: Aluminum with white alumite treatment
Applicable controller	T2: SCON, SSEL, XSEL-P/Q
Cable length (Note 3)	N: No Cable S: 3m M: 5m X□□: 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	90	180	270	360	450	540	630	720	810	900	990	1080	1170	1260	1350	1440	1530	1620	1710	1800	1890	1980	2070
L	430	520	610	700	790	880	970	1060	1150	1240	1330	1420	1510	1600	1690	1780	1870	1960	2050	2140	2230	2320	2410
A	1	1	1	2	2	2	2	3	3	3	4	4	5	5	5	5	5	6	6	6	7	7	7
B	44	134	224	14	104	194	284	74	164	254	44	134	224	14	104	194	284	74	164	254	44	134	224
C	8	8	8	12	12	12	12	16	16	16	20	20	20	24	24	24	24	28	28	28	32	32	32
D	144	234	324	414	504	594	684	774	864	954	1044	1134	1224	1314	1404	1494	1584	1674	1764	1854	1944	2034	2124
E	198	248	273	323	373	423	473	498	548	598	648	698	723	773	823	873	923	948	998	1048	1098	1148	1173
Weight(kg)	8.4	9.2	10.1	10.9	11.7	12.6	13.4	14.2	15.1	15.9	16.7	17.6	18.4	19.2	20.1	20.9	21.7	22.6	23.4	24.2	25.1	25.9	26.7

### 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



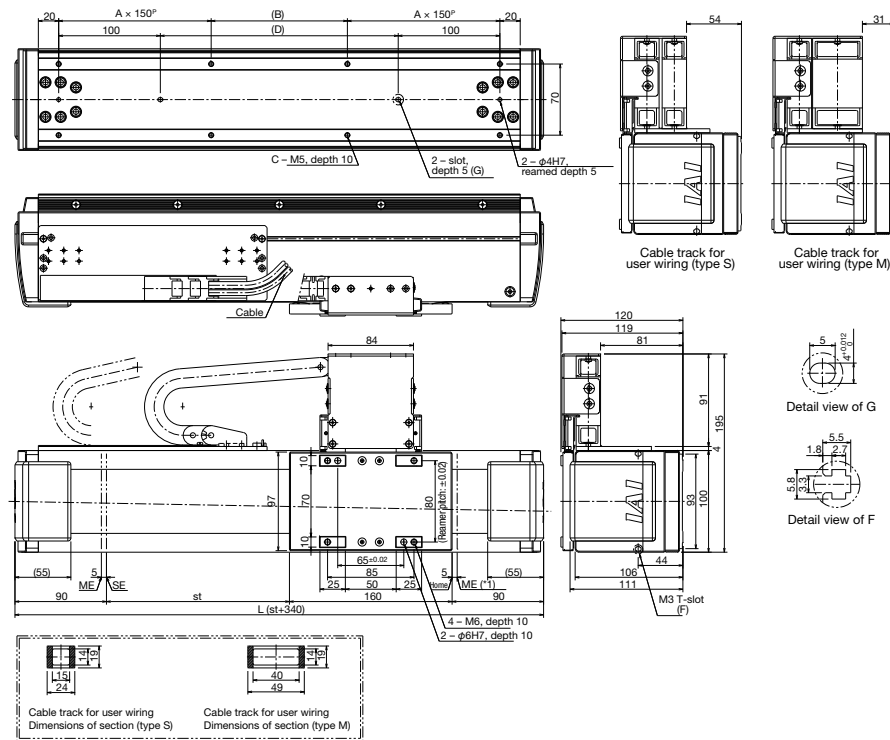
(Note 1) The maximum speed may not be attained if the stroke is short.  
 (Note 2) The maximum acceleration varies depending on the operating conditions.  
 (Note 3) The maximum cable length is 20 m for the SCON/SSEL and 30 m for the XSEL. Specify a desired length in units of meters. (Example: X08 =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

Dimensions – Sideway Specification (Standard)

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



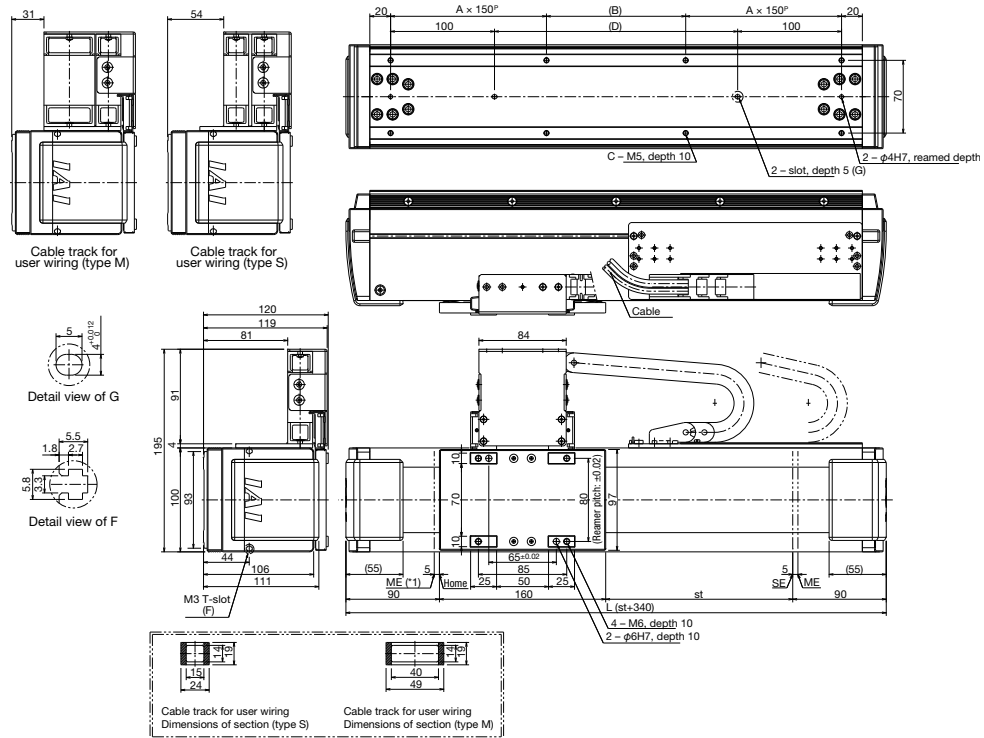
Stroke	90	180	270	360	450	540	630	720	810	900	990	1080	1170	1260	1350	1440	1530	1620	1710	1800	1890	1980	2070
L	430	520	610	700	790	880	970	1060	1150	1240	1330	1420	1510	1600	1690	1780	1870	1960	2050	2140	2230	2320	2410
A	1	1	1	2	2	2	2	3	3	3	4	4	4	5	5	5	5	6	6	6	7	7	7
B	44	134	224	14	104	194	284	74	164	254	44	134	224	14	104	194	284	74	164	254	44	134	224
C	8	8	8	12	12	12	12	16	16	16	20	20	20	24	24	24	24	28	28	28	32	32	32
D	144	234	324	414	504	594	684	774	864	954	1044	1134	1224	1314	1404	1494	1584	1674	1764	1854	1944	2034	2124
Weight(kg)	8.9	9.7	10.6	11.4	12.3	13.1	13.9	14.7	15.6	16.4	17.2	18.1	18.9	19.7	20.6	21.4	22.2	23.1	23.9	24.7	25.6	26.4	27.2

Dimensions – Sideway Specification (Cable Track, Opposite)

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	90	180	270	360	450	540	630	720	810	900	990	1080	1170	1260	1350	1440	1530	1620	1710	1800	1890	1980	2070
L	430	520	610	700	790	880	970	1060	1150	1240	1330	1420	1510	1600	1690	1780	1870	1960	2050	2140	2230	2320	2410
A	1	1	1	2	2	2	2	3	3	3	4	4	4	5	5	5	5	6	6	6	7	7	7
B	44	134	224	14	104	194	284	74	164	254	44	134	224	14	104	194	284	74	164	254	44	134	224
C	8	8	8	12	12	12	12	16	16	16	20	20	20	24	24	24	24	28	28	28	32	32	32
D	144	234	324	414	504	594	684	774	864	954	1044	1134	1224	1314	1404	1494	1584	1674	1764	1854	1944	2034	2124
Weight(kg)	8.9	9.7	10.6	11.4	12.3	13.1	13.9	14.7	15.6	16.4	17.2	18.1	18.9	19.7	20.6	21.4	22.2	23.1	23.9	24.7	25.6	26.4	27.2

Shaft type

Small type

Flat type

Medium type

Large type