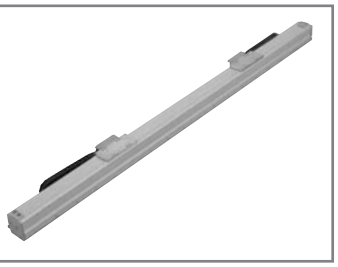
LSA-S10SM

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



■ Model Name **LSA-S10SM- I — 200 - ☐ - T2 - ☐ - ☐**

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

I: Incremental specification

200 : 200W

60:60mm ~ 1860:1860mm

T2 : SCON SSEL XSEL-P/-Q

N: None S: 3m M: 5m X☐☐:

Refer to the options table below.

* 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 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-S10SM-I-200-①-T2-②-③	I: Incremental	200	60~1860	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	CT5	→P14	Sideway specification
Cable track for user wiring, type S	US1/US5	→P14	Standard specification/ sideway specification
Cable track for user wiring, type M	UM1/UM5	→P14	Standard specification/ sideway specification

Note) To change the cable track position to the opposite side, install the actuator by rotating it 180 degrees horizontally because the actuator is bilaterally symmetrical.

Common Specifications

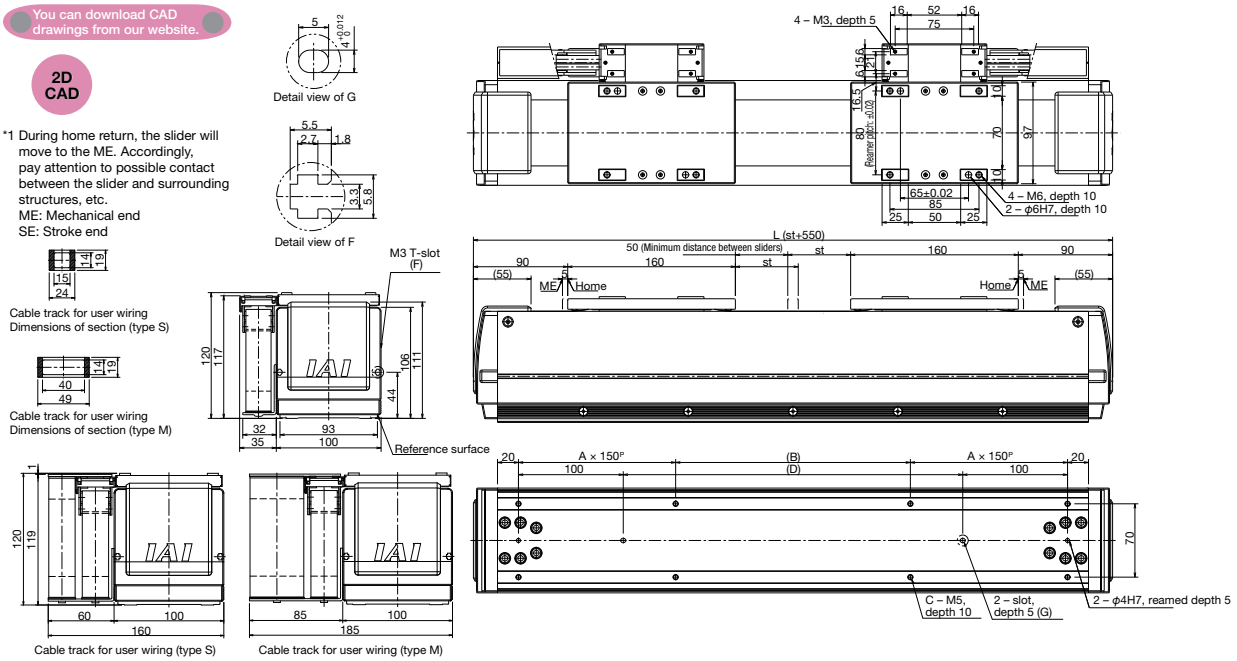
Drive method	Linear servo motor
Positioning repeatability	±0.005mm
Guide	Built-in linear guide
Permissible load moment	Ma: 57.4N • m Mb: 81.9 • m Mc: 60.8N • m
Overhang load length	300 mm or less in Ma direction / 300 mm or less in Mb/Mc directions
Base	Material: Aluminum with white alumite treatment
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	60	150	240	330	420	510	600	690	780	870	960	1050	1140	1230	1320	1410	1500	1590	1680	1770	1860
L	610	700	790	880	970	1060	1150	1240	1330	1420	1510	1600	1690	1780	1870	1960	2050	2140	2230	2320	2410
A	1	2	2	2	2	3	3	3	4	4	4	5	5	5	5	6	6	6	7	7	7
B	224	14	104	194	284	74	164	254	44	134	224	14	104	194	284	74	164	254	44	134	224
C	8	12	12	12	12	16	16	16	20	20	20	24	24	24	24	28	28	28	32	32	32
D	324	414	504	594	684	774	864	954	1044	1134	1224	1314	1404	1494	1584	1674	1764	1854	1944	2034	2124
Weight(kg)	13.5	14.4	15.2	16.0	16.9	17.7	18.6	19.4	20.2	21.1	21.9	22.7	23.6	24.4	25.2	26.1	26.9	27.7	28.6	29.4	30.2

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

Caution

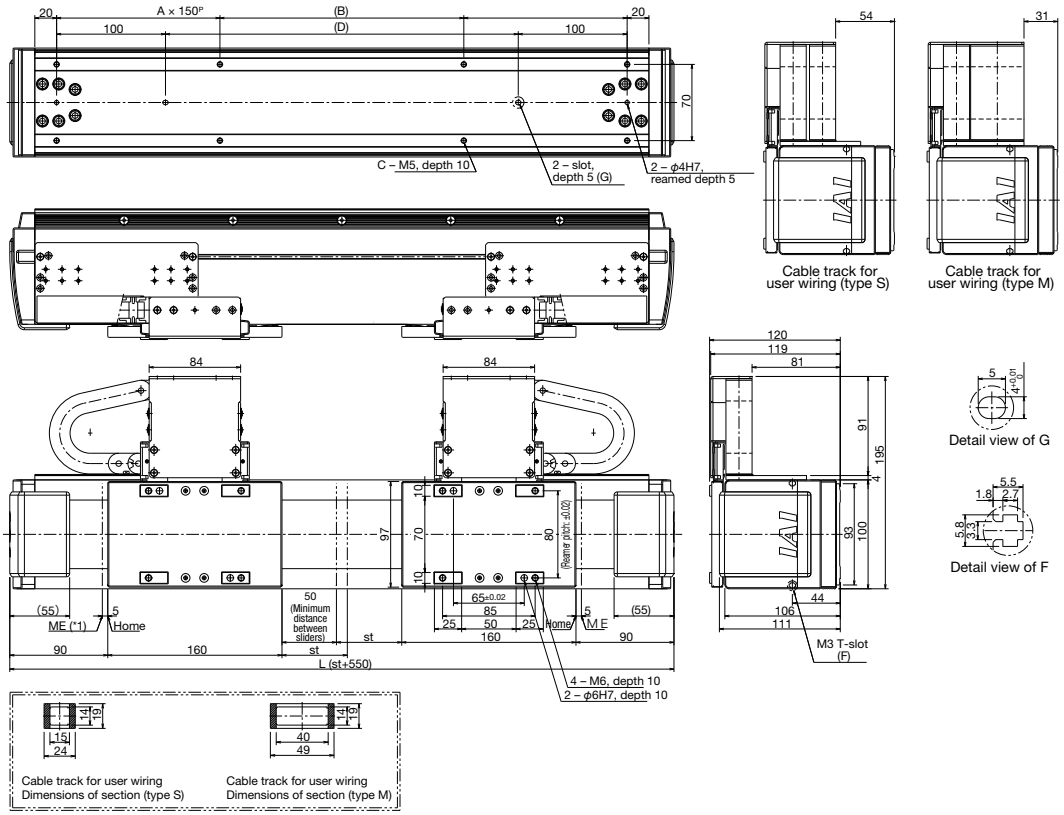
(Note 1) The maximum speed may not be attained if the stroke is short.
(Note 2) The maximum acceleration varies depending on the operating conditions.
(Note 3) The maximum cable length is 20 m for the SCON/SSEL and 30 m for the XSEL. Specify a desired length in units of meters.
(Example: X08 = 8 m)

Dimensions – Sideway Specification

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	60	150	240	330	420	510	600	690	780	870	960	1050	1140	1230	1320	1410	1500	1590	1680	1770	1860
L	610	700	790	880	970	1060	1150	1240	1330	1420	1510	1600	1690	1780	1870	1960	2050	2140	2230	2320	2410
A	1	2	2	2	2	3	3	3	4	4	4	5	5	5	5	6	6	6	7	7	7
B	224	14	104	194	284	74	164	254	44	134	224	14	104	194	284	74	164	254	44	134	224
C	8	12	12	12	12	16	16	16	20	20	20	24	24	24	24	28	28	28	32	32	32
D	324	414	504	594	684	774	864	954	1044	1134	1224	1314	1404	1494	1584	1674	1764	1854	1944	2034	2124
Weight (kg)	14.5	15.4	16.2	17.0	17.9	18.7	19.6	20.4	21.2	22.1	22.9	23.7	24.6	25.4	26.2	27.1	27.9	28.7	29.6	30.4	31.2