LSA-L15SM

Flat type, 145 mm wide Standard type, multi-slider

■ Model Name **LSA- L15SM – I — 200 – ☐ – T2 – ☐ – ☐**

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

I: Incremental specification

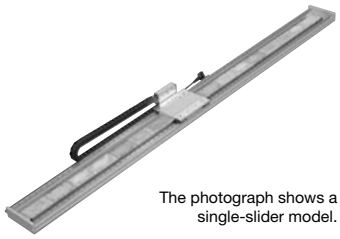
200 : 200W

50:50mm ~ 1450:1450mm

T2 : SCON SSEL XSEL-P/-Q

N: None S: 3m M: 5m X☐☐:

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



The photograph shows a single-slider model.

Model Specifications

Model	Encoder type	Applicable drive output (per slider)	Stroke Specified in 100-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-L15SM-I-200-①-T2-②-③	I: Incremental	200	50~1450	2500	5	–	30	90	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
No options are available.			

Common Specifications

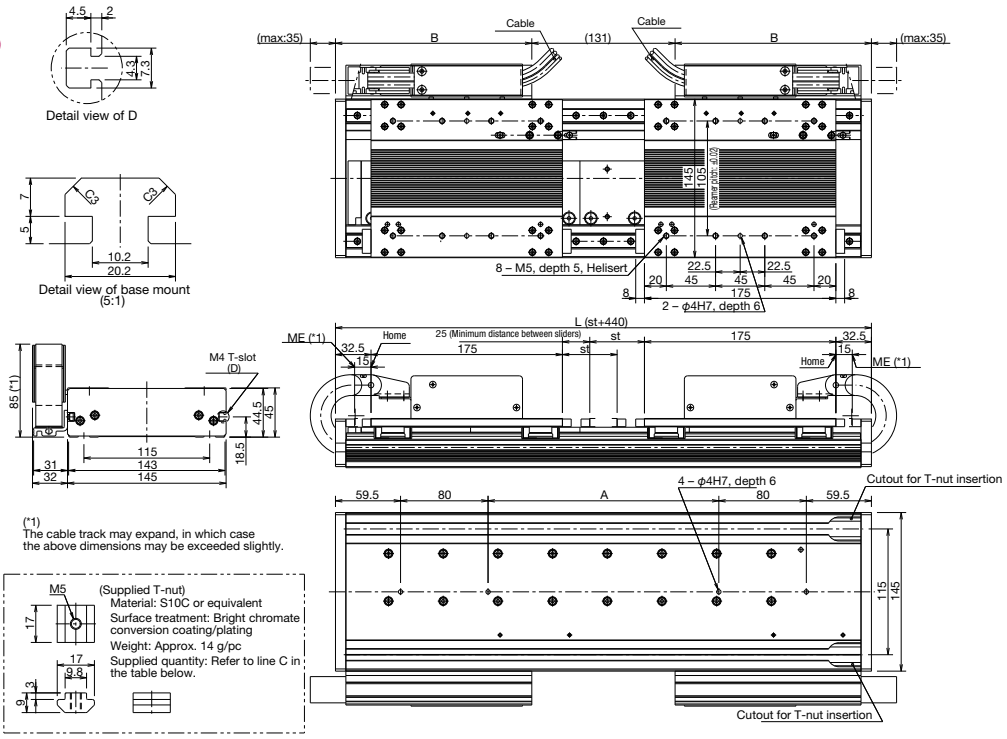
Drive method	Linear servo motor
Positioning repeatability	±0.005mm
Guide	Built-in linear guide
Permissible load moment	Ma: 24.2N • m Mb: 24.2 • m Mc: 24.2N • m
Overhang load length	525 mm or less in Ma direction / 525 mm or less in Mb/Mc directions
Base	Material: Aluminum with white alumite treatment
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	50	150	250	350	450	550	650	750	850	950	1050	1150	1250	1350	1450
L	490	590	690	790	890	990	1090	1190	1290	1390	1490	1590	1690	1790	1890
A	211	311	411	511	611	711	811	911	1011	1111	1211	1311	1411	1511	1611
B	179.5	229.5	279.5	329.5	379.5	429.5	479.5	529.5	579.5	629.5	679.5	729.5	779.5	829.5	879.5
C	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38
Weight(kg)	10.0	11.4	12.8	14.2	15.6	17.0	18.4	19.8	21.2	22.6	24.0	25.4	26.8	28.3	29.7

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

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)