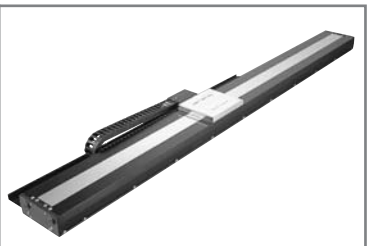
LSA-N19SS

Medium type, 193 ,mm wide Standard type, single-slider



■ Model Name **LSA-N19SS— I — 300 – □ – T2 – □ – □**

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

I: Incremental specification

300: 300W

144:144mm ~ 2592:2592mm

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 144-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-N19SS-I-300-①-T2-②-③	I: Incremental	300	144~2592	2500	30	–	100	Refer to P. 10	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	→P14	Installation directions 2
	CT3	→P14	Installation directions 3
	CT4	→P14	Installation directions 4

Common Specifications

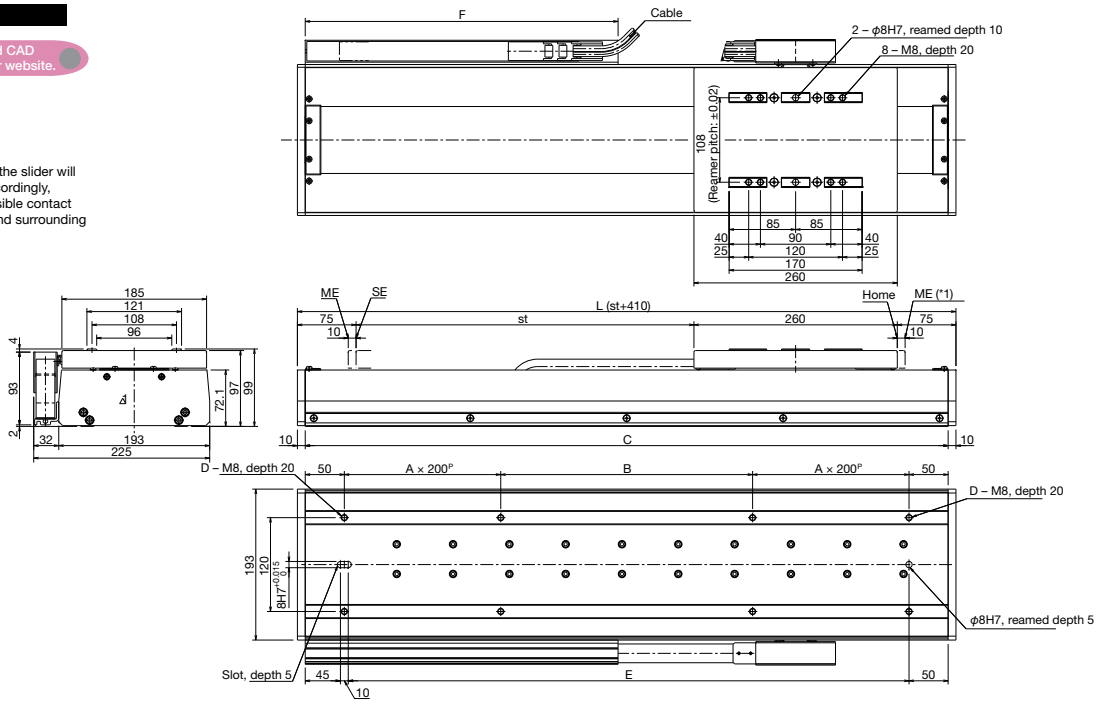
Drive method	Linear servo motor
Positioning repeatability	±0.005mm
Guide	Built-in linear guide
Permissible load moment	Ma: 61.94N • m Mb: 61.94 • m Mc: 61.94N • m
Overhang load length	700 mm or less in Ma direction / 700 mm or less in Mb/Mc directions
Base	Material: Aluminum with black alumite treatment
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	144	288	432	576	720	864	1008	1152	1296	1440	1584	1728	1872	2016	2160	2304	2448	2592
L	554	698	842	986	1130	1274	1418	1562	1706	1850	1994	2138	2282	2426	2570	2714	2858	3002
A	1	1	1	2	2	2	3	3	3	4	4	5	5	5	6	6	6	7
B	34	178	322	66	210	354	98	242	386	130	274	18	162	306	50	194	338	82
C	534	678	822	966	1110	1254	1398	1542	1686	1830	1974	2118	2262	2406	2550	2694	2838	2982
D	4	4	4	6	6	6	8	8	8	10	10	12	12	12	14	14	14	16
E	429	573	717	861	1005	1149	1293	1437	1581	1725	1869	2013	2157	2301	2445	2589	2733	2877
F	250	325	400	475	550	625	700	775	850	925	1000	1075	1150	1225	1300	1375	1450	1525
Weight(kg)	17.8	20.6	23.5	26.3	29.2	32.0	34.8	37.7	40.5	43.4	46.2	49.1	51.9	54.8	57.6	60.4	63.3	66.1

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)