# LSA-N19SM

## Medium type, 193 mm wide Standard type, multi-slider

■ Model Name **LSA- N19SM - I — 300 - ☐ - T2 - ☐ - ☐**

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

I: Incremental specification

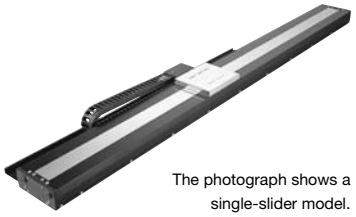
300: 300W

72: 72mm ~ 2232: 2232mm

T2: SCON, SSEL, XSEL-P/-Q

N: None, S: 3m, M: 5m, X☐☐: Specified length

* 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 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-N19SM-I-300-①-T2-②-③ | I: Incremental | 300 | 72~2232 | 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 |
|---|---|---|---|
| No options are available. | | | |

## Common Specifications

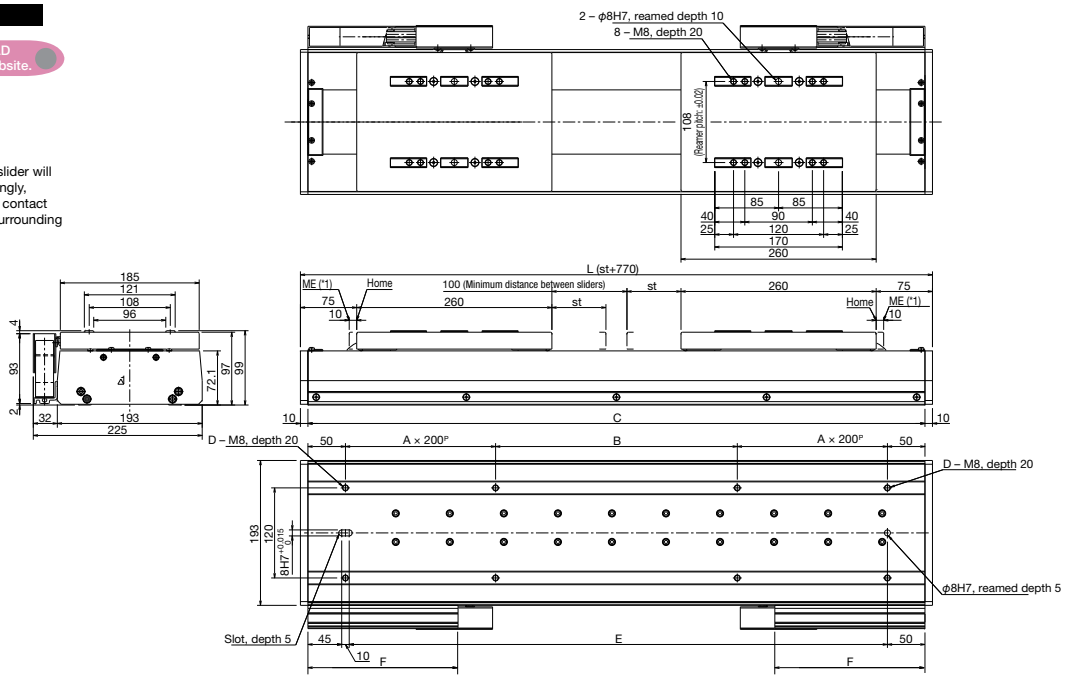
| | |
|---|---|
| Drive method | Linear servo motor |
| Positioning repeatability | ±0.005mm |
| Guide | Built-in linear guide |
| Permissible load moment | Ma: 61.94N • m Mb: 61.94 • m Mc: 61.94N • m |
| Overhang load length | 700 mm or less in Ma direction / 700 mm or less in Mb/Mc directions |
| Base | 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 | 72 | 216 | 360 | 504 | 648 | 792 | 936 | 1080 | 1224 | 1368 | 1512 | 1656 | 1800 | 1944 | 2088 | 2232 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| L | 842 | 986 | 1130 | 1274 | 1418 | 1562 | 1706 | 1850 | 1994 | 2138 | 2282 | 2426 | 2570 | 2714 | 2858 | 3002 |
| A | 1 | 2 | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 5 | 5 | 5 | 6 | 6 | 6 | 7 |
| B | 322 | 66 | 210 | 354 | 98 | 242 | 386 | 130 | 274 | 18 | 162 | 306 | 50 | 194 | 338 | 82 |
| C | 822 | 966 | 1110 | 1254 | 1398 | 1542 | 1686 | 1830 | 1974 | 2118 | 2262 | 2406 | 2550 | 2694 | 2838 | 2982 |
| D | 4 | 6 | 6 | 6 | 8 | 8 | 8 | 10 | 10 | 12 | 12 | 12 | 14 | 14 | 14 | 16 |
| E | 717 | 861 | 1005 | 1149 | 1293 | 1437 | 1581 | 1725 | 1869 | 2013 | 2157 | 2301 | 2445 | 2589 | 2733 | 2877 |
| F | 200 | 275 | 350 | 425 | 500 | 575 | 650 | 725 | 800 | 875 | 950 | 1025 | 1100 | 1175 | 1250 | 1325 |
| Weight(kg) | 28.7 | 31.5 | 34.4 | 37.2 | 40.1 | 42.9 | 45.8 | 48.6 | 51.5 | 54.3 | 57.2 | 60.0 | 62.8 | 65.7 | 68.5 | 71.4 |

## 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)