

Linear Servo Actuator Mid-Size

LSA-N10



LSA-N15

LSA-N10

Sold & Serviced By:

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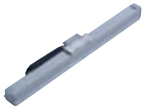
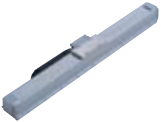
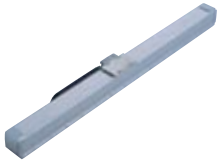
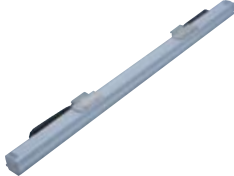
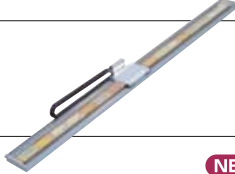


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List of Linear Servo Actuator Specifications

| | Exterior View | Model (Type) | Actuator Width (mm) | Slider | | Stroke (mm) | Thrust (N) | Max Load Capacity (kg) | Max Speed (mm/s) | |
|-------------|---|--|---------------------|-------------|----------|-------------|------------|------------------------|------------------|---|
| Shaft Type |  | S6SS | 60 | Standard | Single | 48~1248 | 15 | 3 | 2500 | |
| | | S6SM | | | Multi | 40~1048 | | | | |
| |  | S8SS | 80 | Standard | Single | 60~1620 | 25 | 5 | | |
| | | S8SM | | | Multi | 60~1440 | | | | |
| | | S8HS | | High Thrust | Single | 60~1620 | 35 | 7 | | |
| | | S8HM | | | Multi | 60~1380 | | | | |
| |  | S10SS | 100 | Standard | Single | 90~2070 | 65 | 15 | | |
| | | S10SM | | | Multi | 60~1860 | | | | |
| | | S10HS | | High Thrust | Single | 90~2070 | 80 | 20 | | |
| | | S10HM | | | Multi | 105~1815 | | | | |
| | Small Type |  | H8SS | 80 | Standard | Single | 50~1650 | 30 | | 5 |
| | | | H8SM | | | Multi | 130~1430 | | | |
| H8HS | | | High Thrust | | Single | 50~1550 | 60 | 8 | | |
| H8HM | | | | | Multi | 130~1230 | | | | |
| Flat Type |  | L15SS | 145 | Standard | Single | 150~1650 | 30 | 5 | | |
| | | L15SM | | | Multi | 50~1450 | | | | |
| Medium Type |  | NEW N10SS | 100 | Standard | Single | 100~4100 | 54 | 15 | | |
| | | NEW N10SM | | | Multi | 100~3900 | | | | |
| | | N15SS | 150 | Standard | Single | 150~4100 | 86 | 20 | | |
| | | N15SM | | | Multi | 150~3950 | | | | |
| | | N15HS | | High Thrust | Single | 100~4100 | 125 | 30 | | |
| | | N15HM | | | Multi | 150~3850 | | | | |
| | | N19SS | 193 | Standard | Single | 144~2592 | 100 | 30 | | |
| | | N19SM | | | Multi | 72~2232 | | | | |
| Large Type |  | W21SS | 210 | Standard | Single | 1050~4155 | 200 | 60 | | |
| | | W21SM | | | Multi | 730~3835 | | | | |
| | | W21HS | | High Thrust | Single | 895~4000 | 400 | 120 | | |
| | | W21HM | | | Multi | 420~3525 | | | | |

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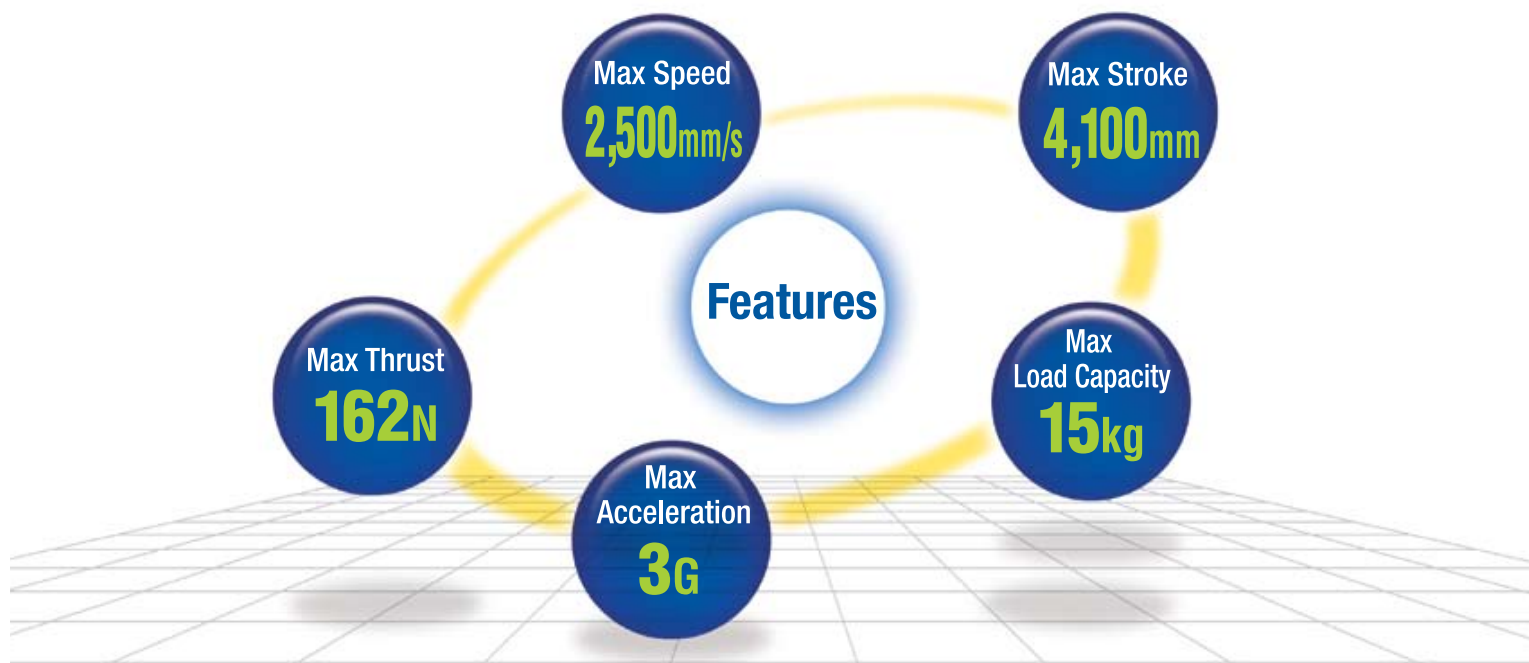
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New Medium Type Linear Servo Actuator with Flat Core



Model Designation

Medium Type - Actuator width 100mm - Standard Type

LSA - N10S - I - 100S - - T2 - -

Series

Type

Encoder

Driver Output

Stroke

Applicable Controller

Cable Length

Option

S: Single Slider I: Incremental Encoder
M: Multi-Slider

100S:100W*

100:100mm
4100:4100mm
(100mm steps)

Note: Up to 3,900mm for multi-sliders

T2:SCON
SSEL
XSEL-P/Q

N: None
S:3m
M:5m
X: Specified Length

Options Refer to the Option table below

* Although the controller driver is 100W, the size of the SCON controller is 400W or more.

Models/Specifications

| Model | Applicable Driver Output (W) | Stroke 100mm unit (mm) | Speed (mm/s) (Note 1) | Load Capacity (Note 2) | | Rated Thrust (N) | Max Thrust (N) | Max Acceleration (G) (Note 2) |
|---|------------------------------|------------------------|-----------------------|------------------------|---------------|------------------|----------------|-------------------------------|
| | | | | Horizontal (kg) | Vertical (kg) | | | |
| LSA-N10SS-I-100S- <input type="checkbox"/> -T2- <input type="checkbox"/> - <input type="checkbox"/> | 100 | 100~4100 | 2500 | 15 | - | 54 | 162 | 3 |
| LSA-N10SM-I-100S- <input type="checkbox"/> -T2- <input type="checkbox"/> - <input type="checkbox"/> | | 100~3900 | | | | | | |

* In the above model numbers, indicates the stroke, indicates the cable length, and indicates the options.

Common Specifications

| | |
|-----------------------------------|--|
| Drive Method | Linear Servo Motor |
| Positioning Repeatability | ±0.005mm |
| Dynamic Allowable Moment (Note 3) | Ma:76.4N·m Mb:46.3N·m Mc:25.7N·m |
| Overhand Load Length | 340mm max in Ma direction, 340mm max in Mb/Mc directions |
| Base | Material: Aluminum |
| Applicable Controller | T2:SCON, SSEL, XSEL-P/Q |
| Cable Length (Note 4) | N: None S:3m M:5m X <input type="checkbox"/> <input type="checkbox"/> : Specified Length |
| Surrounding Air Temp | 0~40°C, 85%RH (Non-condensing) |

Applicable Controller Specifications

| Applicable Controller | Max # of Controlled Axes | Operating Method | Power Supply Voltage |
|-----------------------|--------------------------|------------------------|----------------------------|
| XSEL-P/Q | 6 axis | Program | Single/three-phase 200 VAC |
| SSEL | 3 axis | Program/Positioner | Single phase 200 VAC |
| SCON (Note 5) | 1 axis | Pulse Train/Positioner | Single phase 200 VAC |

Options

| Name | Model | Remarks |
|------------------------------|---------|--------------------------------|
| Cable installation direction | CT2~4 | Installation directions 2 to 4 |
| User cable track, S Type | US1~US4 | Installation directions 1 to 4 |
| User cable track, M Type | UM1~UM4 | Installation directions 1 to 4 |



(Note 1) The maximum speed may not be reached depending on the stroke. (Note 2) The specific value varies according to the operating conditions. (Note 3) When the traveling life is assumed as 10,000 km. (Note 4) The maximum cable length is 20mm for the SCON/SSEL and 30m for the XSEL. Specify a desired length in meters. (Example: X08 = 8m) (Note 5) With the SCON, the frame size must be equal to or larger than that of the 400W specification.

* This actuator cannot be installed horizontally on its side or installed vertically.

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