

NS-LZMS

Single-Axis Robot Large Nut Rotation Type Main Unit Width 145mm 400W
Vertical Type Single Slider



■ Model **NS-LZMS** **400** **T2** **AQ-B** **RT**

Series	Type	Encoder Type	Motor Type	Lead	Stroke	Applicable controller	Cable Length	Option
NS	LZMS	A: Absolute I: Incremental	400: 400W	20: 20 mm	500: 500mm 1000: 1,000mm	T2: SCON SSEL XSEL-P/Q	N: No S: 3m M: 5m X□: Length Specified	See the options table below

Model/Specification

Model	Encoder Type	Motor Output (W)	Lead (mm)	Stroke (mm)	Speed (mm/s)	Acceleration (Note 1)				Payload capacity (Note 1 & 2)				Rated Thrust (N)
						Horizontal (G)		Vertical (G)		Horizontal (kg)		Vertical (kg)		
						Rated	Maximum	Rated	Maximum	Rated	Maximum	Rated	Maximum	
NS-LZMS- <input type="checkbox"/> -400-20- <input type="checkbox"/> -T2- <input type="checkbox"/> -AQ-B- <input type="checkbox"/> -RT	Absolute Incremental	400	20	500~1000	1000	Vertical Only	0.3	0.8	Vertical Only	16	6.0	340.1		

*In the model above, indicates the type of encoder, indicates the stroke, indicates the cable length, and indicates the option.

Option

Name	Model	Reference page	Note
AQ Seal	AQ	→P5	Standard Equipment
Brake (*)	B	→P5	Standard Equipment
Creep Sensor	C	→P5	
Installation Direction of Standard Cable Track	CT1~CT4	→P5	Enter CT1 for standard installation
Installation Direction of Extended Cable Track	ET1~ET4	→P5	
Limit Switch	L	→P6	
Guide with Ball-Retaining Mechanism	RT	→P6	Standard Equipment

(*) A brake box is attached for powering the brake. (For details, see page 21)

Common specifications

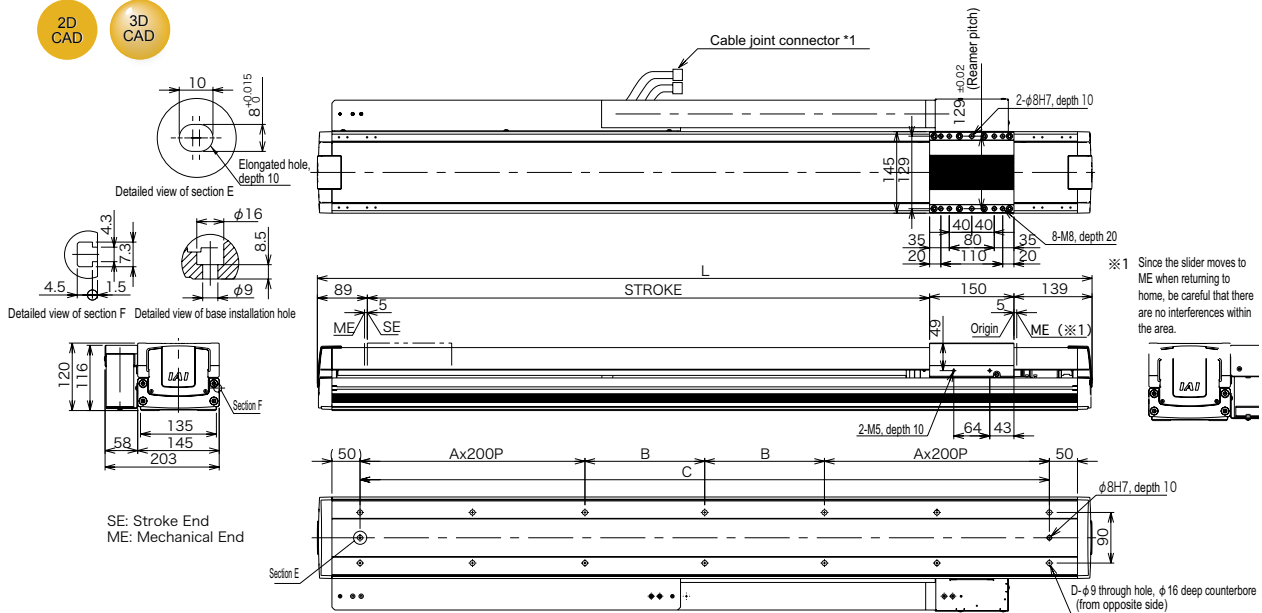
Driving Method	Ball Thread, Diameter $\phi 20$ mm, Equivalent to Rolled C5
Repeated Positioning Accuracy	± 0.01 mm
Backlash	0.02 mm or less
Guide	Integrated to Base
Dynamic Allowable Moment (Note 3)	Ma: 104.9N·m; Mb: 149.9N·m; Mc: 248.9N·m
Overhung load length	Ma Direction: 750 mm or less; Mb and Mc Direction: 750 mm or less
Brake	Non-excitation electromagnetic brakes are installed as standard equipment
Base	Material: Aluminium, White Alumite Treatment
Cable Length (Note 4)	N: No cable; S: 3 m; M: 5 m; X□: Length specified
Ambient Temperature	0~40 degrees Celsius, 85% RH or less (No condensation)

Dimensional drawing

The CAD drawings can be downloaded from our homepage.



*1 Connects motor cables and encoder cables. For details on cables, please see page 22.



*For the internal dimensions of the cable track, please see page 6.

Stroke	500	600	700	800	900	1000
L	878	978	1078	1178	1278	1378
A	1	1	1	2	2	2
B	163	213	263	113	163	213
C	726	826	926	1026	1126	1226
D	10	10	10	14	14	14
Mass (kg)	19.9	21.4	22.9	24.4	25.9	27.4

Applicable Controller Specifications

Applicable Controller	Max. Number of Axes Controlled	Compatible Encoder Type	Operation Method	Power/Voltage
X-SEL-P/Q	6 axis	Absolute/Incremental	Programs	Three-Phase/Single-Phase 200VAC
SSEL	2 axis		Positioner Pulse Train Control	Single-Phase 100/200VAC
SCON	1 axis			



Note

(Note 1) For the relationship between acceleration and payload capacity, see page 4.
 (Note 2) The values shown are payload capacities during operation at maximum speed.
 (Note 3) For a 10,000-km running life.
 (Note 4) The maximum cable length is 30 m. Please specify length in meters. (E.g., X08 = 8 m)