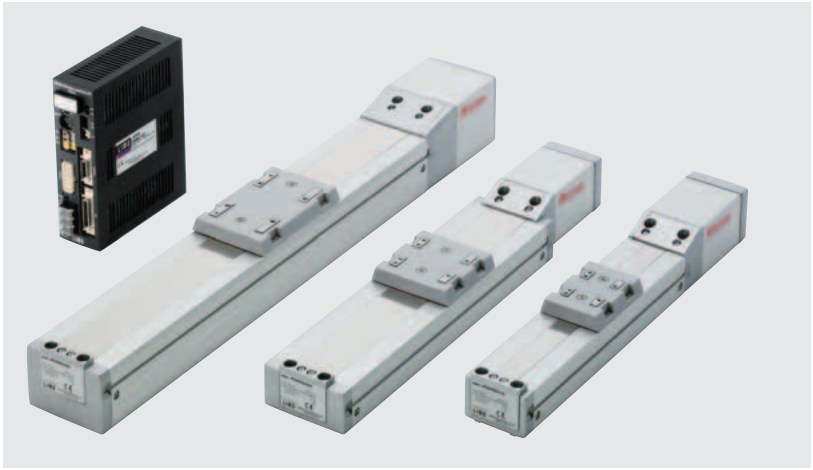
EZ limo EZSII Series

●Additional Information●
Technical reference ➜ Page G-1
Safety standards ➜ Page H-2

The structure of this motorized linear slide has been optimized to achieve greater convenience and performance in positioning applications.
The compact design facilitates simpler installation and wiring to your system.

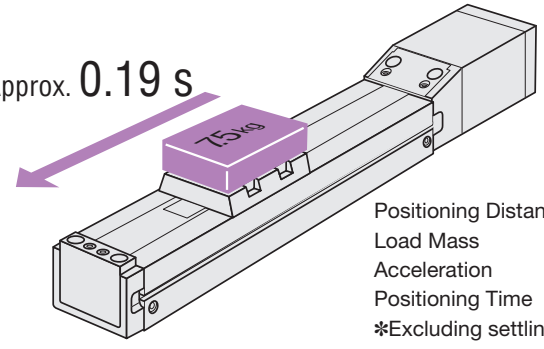
CE RoHS

●For detailed product safety standard information including standards, file number and certification body, please visit www.orientalmotor.com.



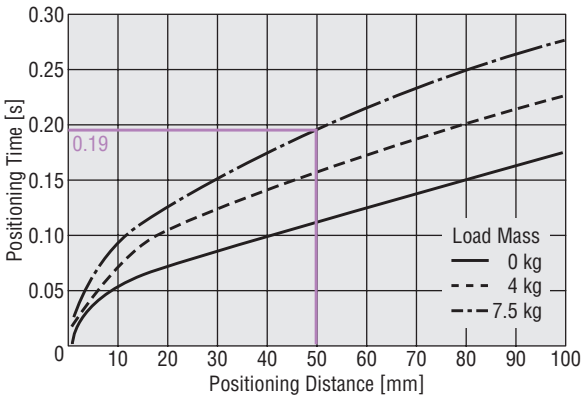
Quick Positioning

The **EZSII** Series uses the **αSTEP** stepping motor characterized by its high response and ability to eliminate missteps. By fully utilizing the performance of the **αSTEP**, the **EZSII** Series is capable of performing quick positioning operations.



Positioning Distance	50 mm
Load Mass	7.5 kg
Acceleration	8 m/s² (0.8 G)
Positioning Time	Approx. 0.19 s*

*Excluding settling time

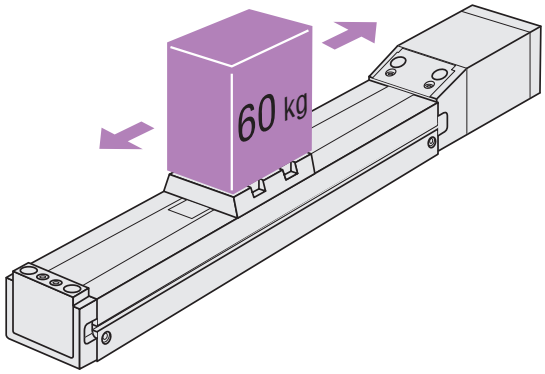


Large Transportable Mass

The **EZSII** Series can perform positioning at high speeds, supporting a large transportable mass.

●Maximum Transportable Mass: Horizontal **60** kg Vertical **30** kg
EZS6 (Lead 6 mm)

●Maximum Speed: **800** mm/s
EZS3, **EZS4**, **EZS6**
(Lead 12 mm, single-phase 100-115 VAC/200-230 VAC input)

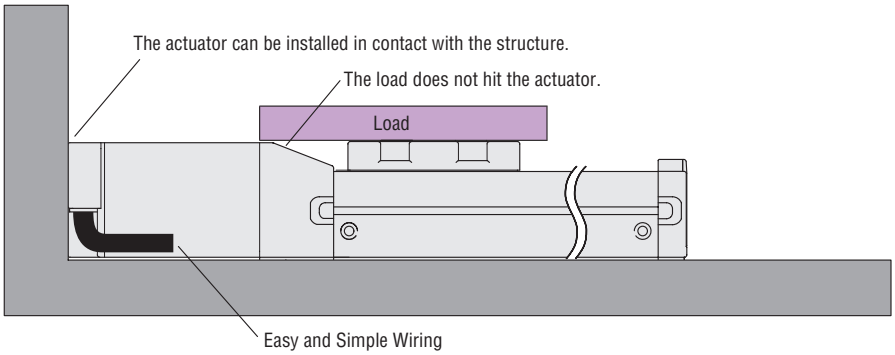


Space-Saving

The total length of the linear slide is shorter for every stroke or model, which enables space-saving design for your equipment.

Stroke + 209.5 mm = **Total length of linear slide**

Since the space outside the linear slide's operating range is minimized, the overall system size can be reduced.



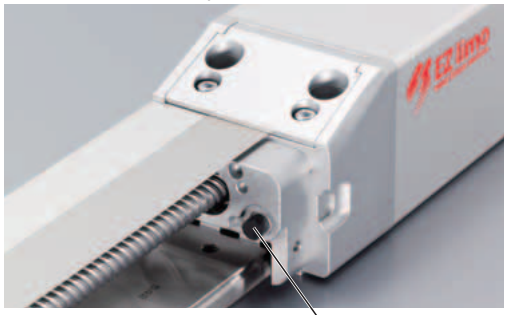
Easy to Use

Wear Prevention

A simple roller mechanism is used to prevent the stainless sheet from wearing quickly. The roller structure suppresses dust generation caused by rubbing of the stainless sheet and the table.

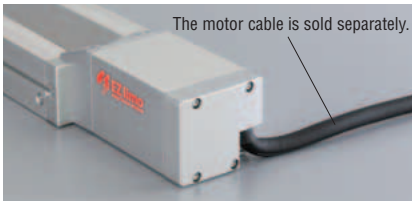
Sensorless High-Speed Return to Home Operation at Speeds up to 100 mm/s

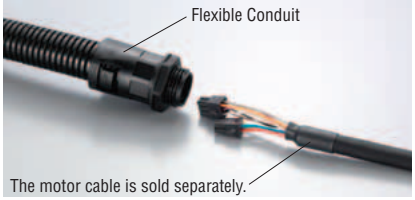
We have developed a dedicated stop buffer to allow the sensorless return to home operation at a maximum speed of 100 mm/s.
Once the motor detects table contact with the stop buffer, it will perform the return to home operation at 6 mm/s.



Easy Wiring

The linear slide and controller are connected via a single cable, and the wiring distance can be extended to a maximum of 20 m*.
The cable is fitted with a connector for quick connection.
*Maximum of 10 m for 24 VDC products





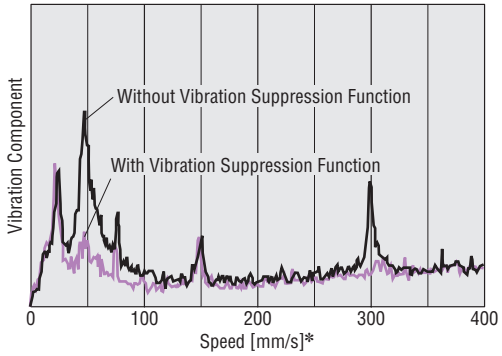
The cable can be placed in a flexible conduit or cable gland with an inner diameter of ϕ16.5 mm.

Traveling Parallelism 0.03 mm

A traveling parallelism of 0.03 mm is achieved by the direct installation of the guide.

Vibration Suppression Function

The newly developed control method achieves low vibration even at the speed range where large vibration occurs normally.



*Lead: 12 mm

Maintenance-Free for Long-Term Performance

The ball screw employs the QZ™ lubrication system, while the LM Guide® uses the Ball Retainer® to retain the coupled rolling elements.
The ball screw and LM Guide® use AFF grease with reduced dust-raising property, which is designed for use in clean rooms.

Easy Stroke Selection

A desired stroke can be selected in 50 mm increments over the following ranges:

EZS3, **EZS4**: 50 to 700 mm

EZS6: 50 to 850 mm

General Specifications of Motor

●General specifications of controller ➜ Page E-91

This is the value after rated operation under normal ambient temperature and humidity.

●24 VDC

Item	Specification
Insulation Resistance	100 MΩ or more when 500 VDC megger is applied between the following places: · Motor case – Motor and sensor windings · Motor case – Windings of electromagnetic brake (Only for electromagnetic brake type)
Dielectric Strength	Sufficient to withstand the following for 1 minute: · Motor case – Motor and sensor windings 0.5 kVAC 50 Hz · Motor case – Windings of electromagnetic brake (Only for electromagnetic brake type) 0.5 kVAC 50 Hz
Ambient Temperature	0～+40˚C (non-freezing)
Ambient Humidity	85% or less (non-condensing)

Note

●Do not measure insulation resistance or perform the dielectric strength test while the linear slide and controller are connected.

●Single-Phase 100-115 VAC/Single-Phase 200-230 VAC

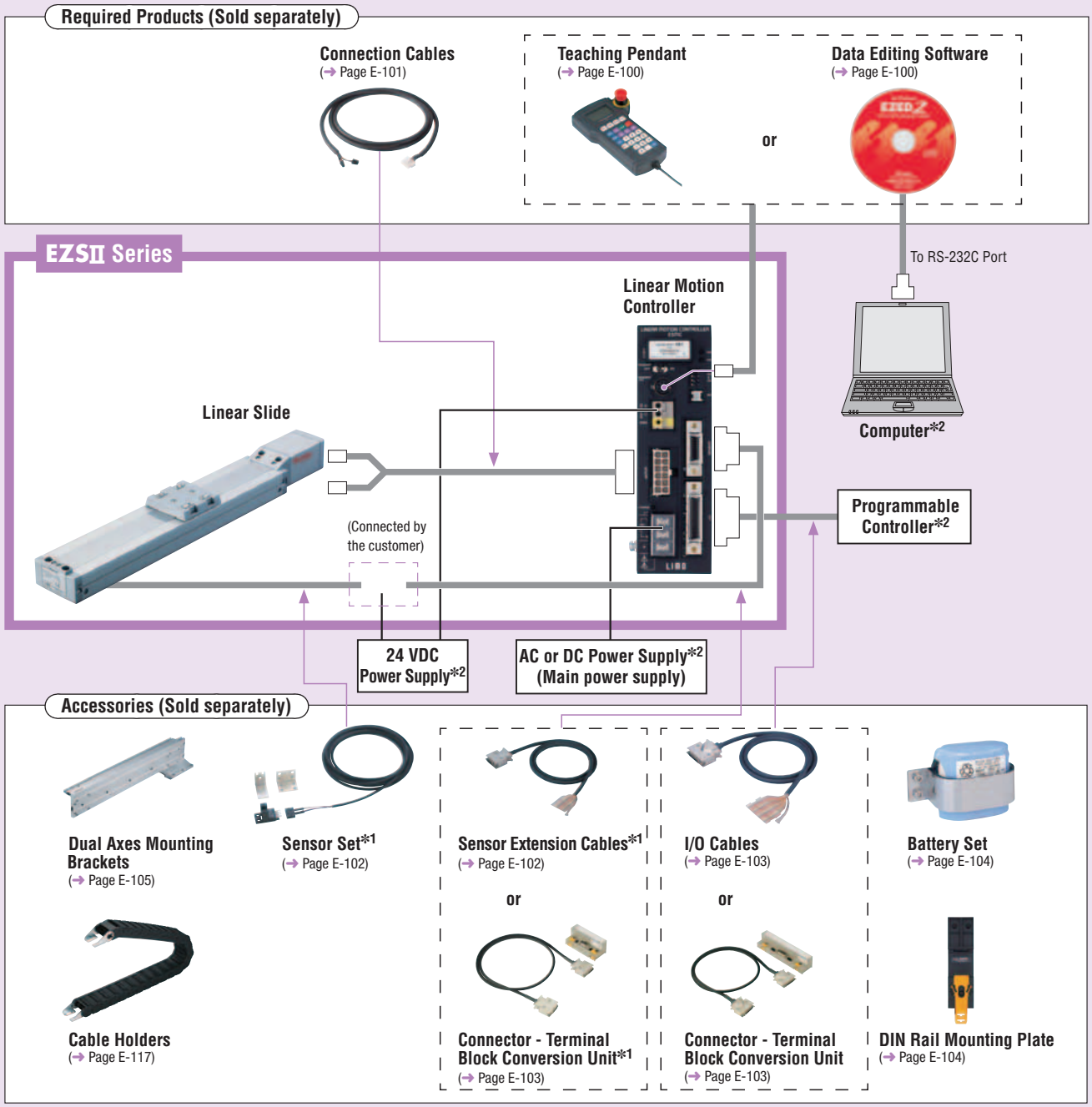
Item	Specification
Insulation Resistance	100 MΩ or more when 500 VDC megger is applied between the following places: · Motor case – Motor and sensor windings · Motor case – Windings of electromagnetic brake (Only for electromagnetic brake type)
Dielectric Strength	Sufficient to withstand the following for 1 minute: · Motor case – Motor and sensor windings **EZS3**, **EZS4**: 1.0 kVAC 50 Hz **EZS6**: 1.5 kVAC 50 Hz · Motor case – Windings of electromagnetic brake (Only for electromagnetic brake type) 1.0 kVAC 50 Hz
Ambient Temperature	0～+40˚C (non-freezing)
Ambient Humidity	85% or less (non-condensing)

Note

●Do not measure insulation resistance or perform the dielectric strength test while the linear slide and controller are connected.

System Configuration

Controller Mode



Example of System Configuration

EZSII Series	Sold Separately		+	Sold Separately		
	Motor Cable (2 m)	Teaching Pendant		I/O Cable (1 m)	Sensor Extension Cable*1 (2 m)	Sensor Set*1
EZS3E005-A	CC020ES-2	EZT1		CC36D1-1	CC20D2-1	PAES-S

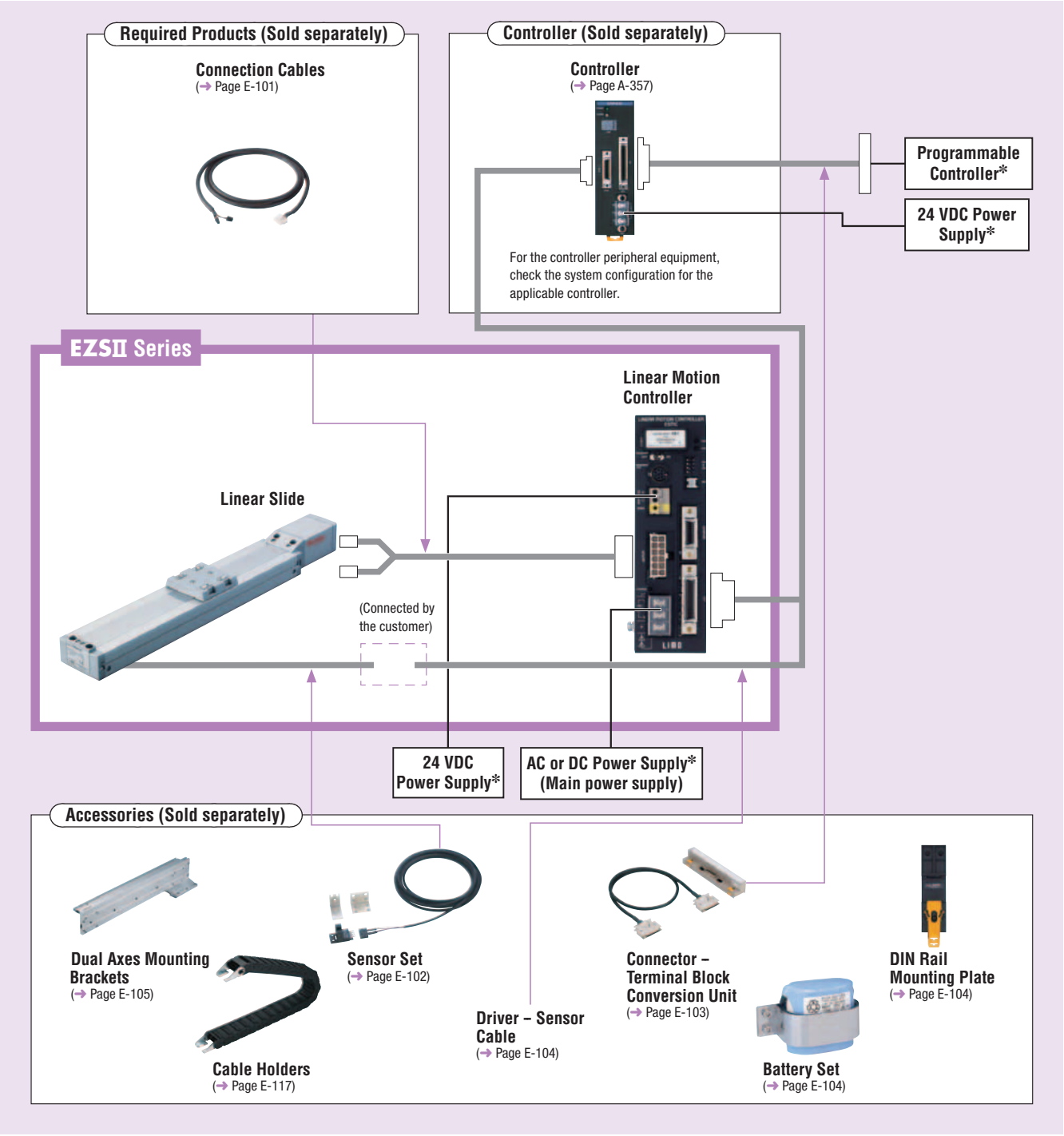
The system configuration shown above is an example. Other combinations are available.

*1 Not required if return to home operation is performed without sensors.

*2 Not supplied

●Driver Mode

Below is an example of a single-axis system configuration with the **EMP400** Series controller.
When performing return to home operation using the linear motion controller, refer to the system configuration on page E-20.
A teaching pendant or data editing software is required to change the parameters (I/O logic, velocity filter, etc.) of the linear motion controller.



●Example of System Configuration

EZSII Series	Sold Separately					Sold Separately			
	Motor Cable (2 m)		Controller	Driver – Sensor Cable (0.5 m)	Sensor Set	Connector – Terminal Block Conversion Unit (1 m)
EZS3E005-A	CC020ES-2	+	EMP401-1	CC005EZ6-EMPD	PAES-S	CC50T1

●The system configuration shown above is an example. Other combinations are available.
*Not supplied

Product Number Code

EZS 3 D 050 M - K
① ② ③ ④ ⑤ ⑥

①	Series	**EZS**: EZSII Series
②	Linear Slide Size	**3**: Width: 54 mm Height: 50 mm **4**: Width: 74 mm Height: 50 mm **6**: Width: 74 mm Height: 66.5 mm
③	Lead	**D**: 12 mm **E**: 6 mm
④	Stroke	**005**: 50 mm **010**: 100 mm **015**: 150 mm **020**: 200 mm **025**: 250 mm **030**: 300 mm **035**: 350 mm **040**: 400 mm **045**: 450 mm **050**: 500 mm **055**: 550 mm **060**: 600 mm **065**: 650 mm **070**: 700 mm **075**: 750 mm **080**: 800 mm **085**: 850 mm
⑤	Electromagnetic Brake	Blank: Without Electromagnetic Brake **M**: With Electromagnetic Brake
⑥	Power Supply Voltage	**K**: 24 VDC **A**: Single-Phase 100-115 VAC **C**: Single-Phase 200-230 VAC

Product Line

●EZS3

Stroke	Without Electromagnetic Brake			With Electromagnetic Brake		
	24 VDC	Single-Phase 100-115 VAC	Single-Phase 200-230 VAC	24 VDC	Single-Phase 100-115 VAC	Single-Phase 200-230 VAC
	Model	Model	Model	Model	Model	Model
50 mm	**EZS3□005-K**	**EZS3□005-A**	**EZS3□005-C**	**EZS3□005M-K**	**EZS3□005M-A**	**EZS3□005M-C**
100 mm	**EZS3□010-K**	**EZS3□010-A**	**EZS3□010-C**	**EZS3□010M-K**	**EZS3□010M-A**	**EZS3□010M-C**
150 mm	**EZS3□015-K**	**EZS3□015-A**	**EZS3□015-C**	**EZS3□015M-K**	**EZS3□015M-A**	**EZS3□015M-C**
200 mm	**EZS3□020-K**	**EZS3□020-A**	**EZS3□020-C**	**EZS3□020M-K**	**EZS3□020M-A**	**EZS3□020M-C**
250 mm	**EZS3□025-K**	**EZS3□025-A**	**EZS3□025-C**	**EZS3□025M-K**	**EZS3□025M-A**	**EZS3□025M-C**
300 mm	**EZS3□030-K**	**EZS3□030-A**	**EZS3□030-C**	**EZS3□030M-K**	**EZS3□030M-A**	**EZS3□030M-C**
350 mm	**EZS3□035-K**	**EZS3□035-A**	**EZS3□035-C**	**EZS3□035M-K**	**EZS3□035M-A**	**EZS3□035M-C**
400 mm	**EZS3□040-K**	**EZS3□040-A**	**EZS3□040-C**	**EZS3□040M-K**	**EZS3□040M-A**	**EZS3□040M-C**
450 mm	**EZS3□045-K**	**EZS3□045-A**	**EZS3□045-C**	**EZS3□045M-K**	**EZS3□045M-A**	**EZS3□045M-C**
500 mm	**EZS3□050-K**	**EZS3□050-A**	**EZS3□050-C**	**EZS3□050M-K**	**EZS3□050M-A**	**EZS3□050M-C**
550 mm	**EZS3□055-K**	**EZS3□055-A**	**EZS3□055-C**	**EZS3□055M-K**	**EZS3□055M-A**	**EZS3□055M-C**
600 mm	**EZS3□060-K**	**EZS3□060-A**	**EZS3□060-C**	**EZS3□060M-K**	**EZS3□060M-A**	**EZS3□060M-C**
650 mm	**EZS3□065-K**	**EZS3□065-A**	**EZS3□065-C**	**EZS3□065M-K**	**EZS3□065M-A**	**EZS3□065M-C**
700 mm	**EZS3□070-K**	**EZS3□070-A**	**EZS3□070-C**	**EZS3□070M-K**	**EZS3□070M-A**	**EZS3□070M-C**

● Enter **D** (12 mm) or **E** (6 mm) (lead length) in the box (□) within the model name.

●EZS4

Stroke	Without Electromagnetic Brake			With Electromagnetic Brake		
	24 VDC	Single-Phase 100-115 VAC	Single-Phase 200-230 VAC	24 VDC	Single-Phase 100-115 VAC	Single-Phase 200-230 VAC
	Model	Model	Model	Model	Model	Model
50 mm	**EZS4□005-K**	**EZS4□005-A**	**EZS4□005-C**	**EZS4□005M-K**	**EZS4□005M-A**	**EZS4□005M-C**
100 mm	**EZS4□010-K**	**EZS4□010-A**	**EZS4□010-C**	**EZS4□010M-K**	**EZS4□010M-A**	**EZS4□010M-C**
150 mm	**EZS4□015-K**	**EZS4□015-A**	**EZS4□015-C**	**EZS4□015M-K**	**EZS4□015M-A**	**EZS4□015M-C**
200 mm	**EZS4□020-K**	**EZS4□020-A**	**EZS4□020-C**	**EZS4□020M-K**	**EZS4□020M-A**	**EZS4□020M-C**
250 mm	**EZS4□025-K**	**EZS4□025-A**	**EZS4□025-C**	**EZS4□025M-K**	**EZS4□025M-A**	**EZS4□025M-C**
300 mm	**EZS4□030-K**	**EZS4□030-A**	**EZS4□030-C**	**EZS4□030M-K**	**EZS4□030M-A**	**EZS4□030M-C**
350 mm	**EZS4□035-K**	**EZS4□035-A**	**EZS4□035-C**	**EZS4□035M-K**	**EZS4□035M-A**	**EZS4□035M-C**
400 mm	**EZS4□040-K**	**EZS4□040-A**	**EZS4□040-C**	**EZS4□040M-K**	**EZS4□040M-A**	**EZS4□040M-C**
450 mm	**EZS4□045-K**	**EZS4□045-A**	**EZS4□045-C**	**EZS4□045M-K**	**EZS4□045M-A**	**EZS4□045M-C**
500 mm	**EZS4□050-K**	**EZS4□050-A**	**EZS4□050-C**	**EZS4□050M-K**	**EZS4□050M-A**	**EZS4□050M-C**
550 mm	**EZS4□055-K**	**EZS4□055-A**	**EZS4□055-C**	**EZS4□055M-K**	**EZS4□055M-A**	**EZS4□055M-C**
600 mm	**EZS4□060-K**	**EZS4□060-A**	**EZS4□060-C**	**EZS4□060M-K**	**EZS4□060M-A**	**EZS4□060M-C**
650 mm	**EZS4□065-K**	**EZS4□065-A**	**EZS4□065-C**	**EZS4□065M-K**	**EZS4□065M-A**	**EZS4□065M-C**
700 mm	**EZS4□070-K**	**EZS4□070-A**	**EZS4□070-C**	**EZS4□070M-K**	**EZS4□070M-A**	**EZS4□070M-C**

● Enter **D** (12 mm) or **E** (6 mm) (lead length) in the box (□) within the model name.


EZS3


EZS4


EZS6

●EZS6

Stroke	Without Electromagnetic Brake			With Electromagnetic Brake		
	24 VDC	Single-Phase 100-115 VAC	Single-Phase 200-230 VAC	24 VDC	Single-Phase 100-115 VAC	Single-Phase 200-230 VAC
	Model	Model	Model	Model	Model	Model
50 mm	**EZS6□005-K**	**EZS6□005-A**	**EZS6□005-C**	**EZS6□005M-K**	**EZS6□005M-A**	**EZS6□005M-C**
100 mm	**EZS6□010-K**	**EZS6□010-A**	**EZS6□010-C**	**EZS6□010M-K**	**EZS6□010M-A**	**EZS6□010M-C**
150 mm	**EZS6□015-K**	**EZS6□015-A**	**EZS6□015-C**	**EZS6□015M-K**	**EZS6□015M-A**	**EZS6□015M-C**
200 mm	**EZS6□020-K**	**EZS6□020-A**	**EZS6□020-C**	**EZS6□020M-K**	**EZS6□020M-A**	**EZS6□020M-C**
250 mm	**EZS6□025-K**	**EZS6□025-A**	**EZS6□025-C**	**EZS6□025M-K**	**EZS6□025M-A**	**EZS6□025M-C**
300 mm	**EZS6□030-K**	**EZS6□030-A**	**EZS6□030-C**	**EZS6□030M-K**	**EZS6□030M-A**	**EZS6□030M-C**
350 mm	**EZS6□035-K**	**EZS6□035-A**	**EZS6□035-C**	**EZS6□035M-K**	**EZS6□035M-A**	**EZS6□035M-C**
400 mm	**EZS6□040-K**	**EZS6□040-A**	**EZS6□040-C**	**EZS6□040M-K**	**EZS6□040M-A**	**EZS6□040M-C**
450 mm	**EZS6□045-K**	**EZS6□045-A**	**EZS6□045-C**	**EZS6□045M-K**	**EZS6□045M-A**	**EZS6□045M-C**
500 mm	**EZS6□050-K**	**EZS6□050-A**	**EZS6□050-C**	**EZS6□050M-K**	**EZS6□050M-A**	**EZS6□050M-C**
550 mm	**EZS6□055-K**	**EZS6□055-A**	**EZS6□055-C**	**EZS6□055M-K**	**EZS6□055M-A**	**EZS6□055M-C**
600 mm	**EZS6□060-K**	**EZS6□060-A**	**EZS6□060-C**	**EZS6□060M-K**	**EZS6□060M-A**	**EZS6□060M-C**
650 mm	**EZS6□065-K**	**EZS6□065-A**	**EZS6□065-C**	**EZS6□065M-K**	**EZS6□065M-A**	**EZS6□065M-C**
700 mm	**EZS6□070-K**	**EZS6□070-A**	**EZS6□070-C**	**EZS6□070M-K**	**EZS6□070M-A**	**EZS6□070M-C**
750 mm	**EZS6□075-K**	**EZS6□075-A**	**EZS6□075-C**	**EZS6□075M-K**	**EZS6□075M-A**	**EZS6□075M-C**
800 mm	**EZS6□080-K**	**EZS6□080-A**	**EZS6□080-C**	**EZS6□080M-K**	**EZS6□080M-A**	**EZS6□080M-C**
850 mm	**EZS6□085-K**	**EZS6□085-A**	**EZS6□085-C**	**EZS6□085M-K**	**EZS6□085M-A**	**EZS6□085M-C**

● Enter **D** (12 mm) or **E** (6 mm) (lead length) in the box (□) within the model name.

The following items are included in each product.
Linear Slide, Hexagonal Socket Head Screws for Mounting Linear Slide, Linear Motion Controller, Mounting Bracket for Linear Motion Controller, User I/O Connector, Sensor I/O Connector, Operating Manual

EZS3: 54 mm (W) × 50 mm (H) 24 VDC

Maximum Transportable Mass: Horizontal 15 kg/Vertical 7 kg
Stroke: 50 to 700 mm (in 50 mm increments)

Specifications of Linear Slide RoHS

Drive Method	Ball Screw	Repetitive Positioning Accuracy [mm]	±0.02	Resolution [mm]	0.01	Traveling Parallelism [mm]	0.03	Dynamic Permissible Moment [N·m]	MP: 4.2 MY: 4.2 MR: 10.5
								Static Permissible Moment [N·m]	MP: 26.4 MY: 26.4 MR: 52.0

Model	Lead [mm]	Transportable Mass [kg]		Thrust [N]	Push Force [N] *1	Holding Force [N] *2	Maximum Speed (Stroke) [mm/s]			
		Horizontal	Vertical				50～550 mm	600 mm	650 mm	700 mm
EZS3D□-K	12	～7.5	–	～43	100	70	600	550	460	400
EZS3D□M-K			～3.5							
EZS3E□-K	6	～15	–	～86	200	140	300	270	220	200
EZS3E□M-K			～7							

● Enter the stroke length in the box (□) within the model name.
*1 The maximum speed of push-motion operation is 25 mm/s and should be used within the dynamic permissible moment.
*2 The holding force of the electromagnetic brake is the same value as the holding force.

Product Number Code

EZS 3 D 050 M - K
① ② ③ ④ ⑤ ⑥

①	Series	**EZS**: **EZSII** Series
②	Linear Slide Size	**3**: Width: 54 mm Height: 50 mm
③	Lead	**D**: 12 mm **E**: 6 mm
④	Stroke	**005** (50 mm) ～ **070** (700 mm)
⑤	Electromagnetic Brake	Blank: Without Electromagnetic Brake **M**: With Electromagnetic Brake
⑥	Power Supply Voltage	**K**: 24 VDC

List of Linear Slide and Controller Combinations

Model names for linear slide and linear motion controller combinations are shown below.

Electromagnetic Brake	Model	Linear Slide Model	Linear Motion Controller Model
Not equipped	**EZS3D□-K**	EZSM3D□K	ESMC-K2
	EZS3E□-K	EZSM3E□K	
Equipped	**EZS3D□M-K**	EZSM3D□MK	
	EZS3E□M-K	EZSM3E□MK	

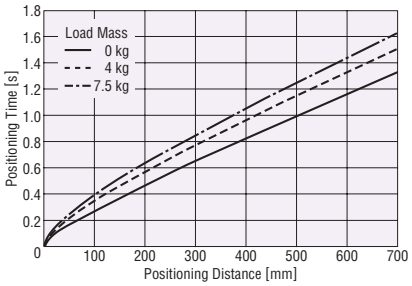
● Enter the stroke length in the box (□) within the model name.

Positioning Distance – Positioning Time

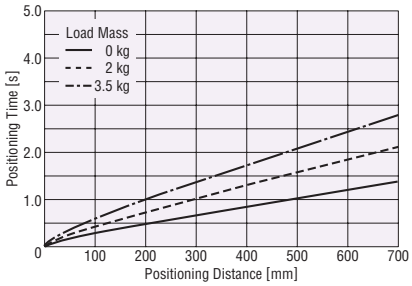
Check the (approximate) positioning time from the positioning distance.
As a rough guideline, the positioning time by the linear slide corresponds to the positioning time calculated from the graph, multiplied by the positioning time coefficient corresponding to the applicable stroke.
See page G-21 for operating speed and acceleration.

●EZS3D (Lead: 12 mm)

◇Horizontal Installation



◇Vertical Installation

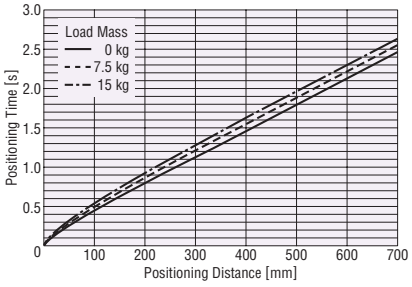


Positioning Time Coefficient

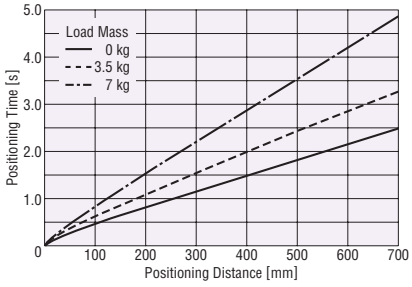
Stroke [mm]	Load Mass					
	Horizontal Installation			Vertical Installation		
	0 kg	4 kg	7.5 kg	0 kg	2 kg	3.5 kg
50～550	1.0	1.0	1.0	1.0	1.0	1.0
600	1.0	1.0	1.0	1.0	1.0	1.0
650	1.2	1.1	1.1	1.2	1.0	1.0
700	1.4	1.2	1.2	1.3	1.0	1.0

●EZS3E (Lead: 6 mm)

◇Horizontal Installation



◇Vertical Installation

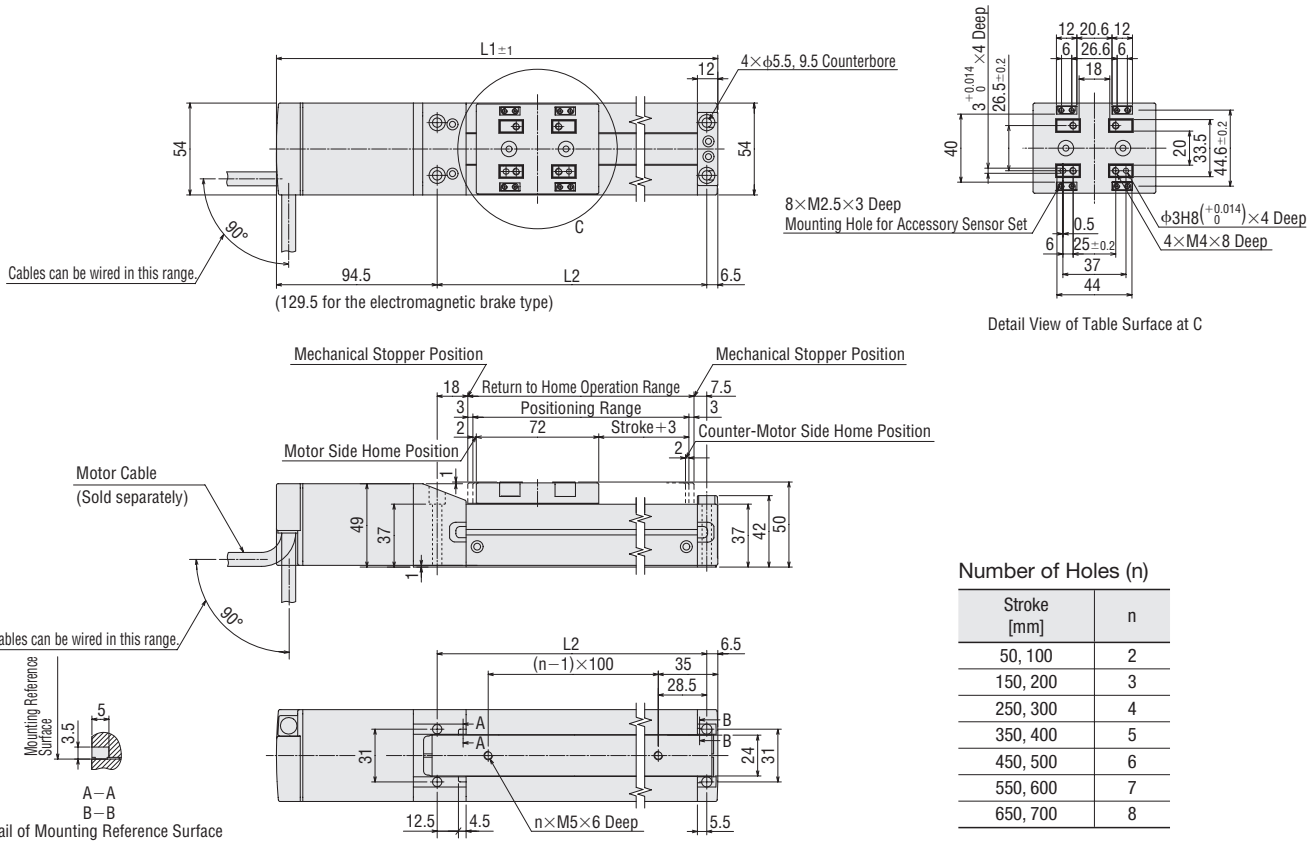


Positioning Time Coefficient

Stroke [mm]	Load Mass					
	Horizontal Installation			Vertical Installation		
	0 kg	7.5 kg	15 kg	0 kg	3.5 kg	7 kg
50～550	1.0	1.0	1.0	1.0	1.0	1.0
600	1.1	1.1	1.1	1.1	1.0	1.0
650	1.3	1.3	1.2	1.3	1.0	1.0
700	1.4	1.4	1.4	1.4	1.1	1.0

Notes
● The positioning time in the graph does not include the settling time. Use a settling time of 0.15 sec as a reference (settling time is adjustable by the velocity filter function).
● The starting speed should be 6 mm/s or less.

Dimensions of Linear Slide Unit = mm



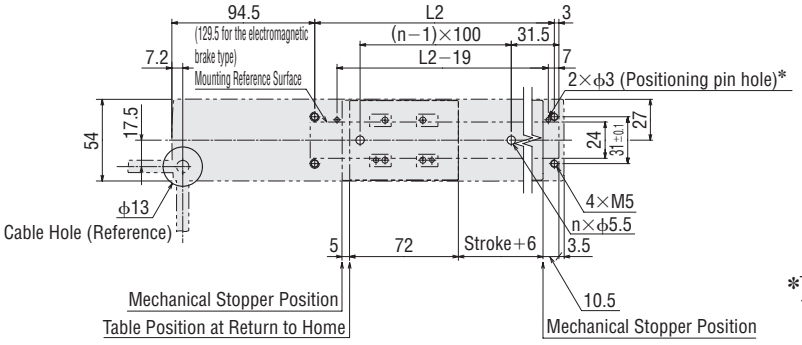
Number of Holes (n)

Stroke [mm]	n
50, 100	2
150, 200	3
250, 300	4
350, 400	5
450, 500	6
550, 600	7
650, 700	8

Linear Slide Model: EZSM3D□K, EZSM3E□K (Without electromagnetic brake)
EZSM3D□MK, EZSM3E□MK (With electromagnetic brake)

	Electromagnetic Brake	Numbers Specifiable in the Box (□) within the Linear Slide Model Name													
		005	010	015	020	025	030	035	040	045	050	055	060	065	070
Stroke	Not Equipped/Equipped	50	100	150	200	250	300	350	400	450	500	550	600	650	700
L1	Not Equipped	259.5	309.5	359.5	409.5	459.5	509.5	559.5	609.5	659.5	709.5	759.5	809.5	859.5	909.5
	Equipped	294.5	344.5	394.5	444.5	494.5	544.5	594.5	644.5	694.5	744.5	794.5	844.5	894.5	944.5
L2	Not Equipped/Equipped	158.5	208.5	258.5	308.5	358.5	408.5	458.5	508.5	558.5	608.5	658.5	708.5	758.5	808.5
Mass [kg]	Not Equipped	1.4	1.5	1.7	1.8	2.0	2.1	2.3	2.4	2.6	2.7	2.9	3.0	3.2	3.3
	Equipped	1.6	1.7	1.9	2.0	2.2	2.3	2.5	2.6	2.8	2.9	3.1	3.2	3.4	3.5
DXF	Not Equipped	D548	D549	D550	D551	D552	D553	D554	D555	D556	D557	D558	D559	D560	D561
	Equipped	D562	D563	D564	D565	D566	D567	D568	D569	D570	D571	D572	D573	D574	D575

Dimensions for Linear Slide Installation Unit = mm



*The mounting reference surface can be set on either side. The figure assumes that the linear slide is mounted on its top surface.

EZS3: 54 mm (W) × 50 mm (H)

Single-Phase 100-115 VAC
Single-Phase 200-230 VAC

Maximum Transportable Mass: Horizontal 15 kg/Vertical 7 kg
Stroke: 50 to 700 mm (in 50 mm increments)

Specifications of Linear Slide RoHS

Drive Method	Ball Screw	Repetitive Positioning Accuracy [mm]	±0.02	Resolution [mm]	0.01	Traveling Parallelism [mm]	0.03	Dynamic Permissible Moment [N·m]	MP: 4.2 MY: 4.2 MR: 10.5
								Static Permissible Moment [N·m]	MP: 26.4 MY: 26.4 MR: 52.0

Model	Lead [mm]	Transportable Mass [kg]		Thrust [N]	Push Force [N] *1	Holding Force [N] *2	Maximum Speed (Stroke) [mm/s]				
		Horizontal	Vertical				50~500 mm	550 mm	600 mm	650 mm	700 mm
EZS3D□-■	12	~7.5	–	~43	100	70	800	650	550	460	400
EZS3D□M-■			~3.5								
EZS3E□-■	6	~15	–	~86	200	140	400	320	270	220	200
EZS3E□M-■			~7								

● Enter the stroke length in the box (□) within the model name. Enter the power supply voltage **A** or **C** in the box (■) within the model name.
*1 The maximum speed of push-motion operation is 25 mm/s and should be used within the dynamic permissible moment.
*2 The holding force of the electromagnetic brake is the same value as the holding force.

Product Number Code

EZS 3 D 050 M - A
① ② ③ ④ ⑤ ⑥

①	Series	**EZS**: **EZSII** Series
②	Linear Slide Size	**3**: Width: 54 mm Height: 50 mm
③	Lead	**D**: 12 mm **E**: 6 mm
④	Stroke	**005** (50 mm) ~ **070** (700 mm)
⑤	Electromagnetic Brake	Blank: Without Electromagnetic Brake **M**: With Electromagnetic Brake
⑥	Power Supply Voltage	**A**: Single-Phase 100-115 VAC **C**: Single-Phase 200-230 VAC

List of Linear Slide and Controller Combinations

Model names for linear slide and linear motion controller combinations are shown below.

Electromagnetic Brake	Model	Linear Slide Model	Linear Motion Controller Model
Not equipped	**EZS3D□-A**	EZSM3D□A	ESMC-A2
	EZS3D□-C	EZSM3D□C	ESMC-C2
	EZS3E□-A	EZSM3E□A	ESMC-A2
	EZS3E□-C	EZSM3E□C	ESMC-C2
Equipped	**EZS3D□M-A**	EZSM3D□MA	ESMC-A2
	EZS3D□M-C	EZSM3D□MC	ESMC-C2
	EZS3E□M-A	EZSM3E□MA	ESMC-A2
	EZS3E□M-C	EZSM3E□MC	ESMC-C2

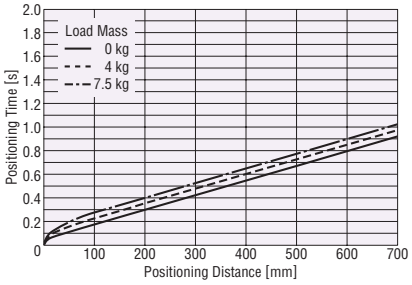
● Enter the stroke length in the box (□) within the model name.

Positioning Distance – Positioning Time

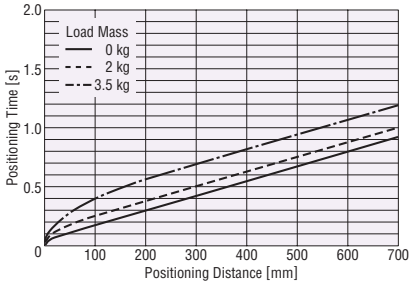
Check the (approximate) positioning time from the positioning distance.
As a rough guideline, the positioning time by the linear slide corresponds to the positioning time calculated from the graph, multiplied by the positioning time coefficient corresponding to the applicable stroke.
See page G-21 for operating speed and acceleration.

●EZS3D (Lead: 12 mm)

◇Horizontal Installation



◇Vertical Installation

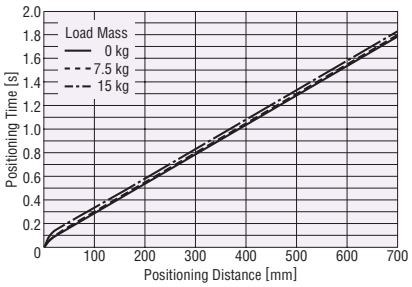


Positioning Time Coefficient

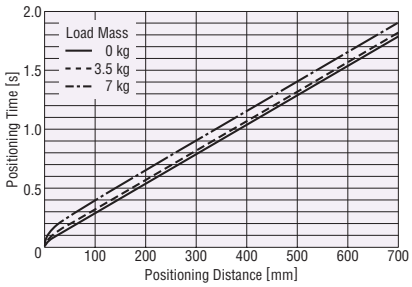
Stroke [mm]	Load Mass					
	Horizontal Installation			Vertical Installation		
	0 kg	4 kg	7.5 kg	0 kg	2 kg	3.5 kg
50~500	1.0	1.0	1.0	1.0	1.0	1.0
550	1.2	1.2	1.2	1.2	1.2	1.1
600	1.4	1.4	1.3	1.4	1.3	1.2
650	1.7	1.6	1.6	1.7	1.6	1.4
700	1.9	1.8	1.8	1.9	1.8	1.6

●EZS3E (Lead: 6 mm)

◇Horizontal Installation



◇Vertical Installation

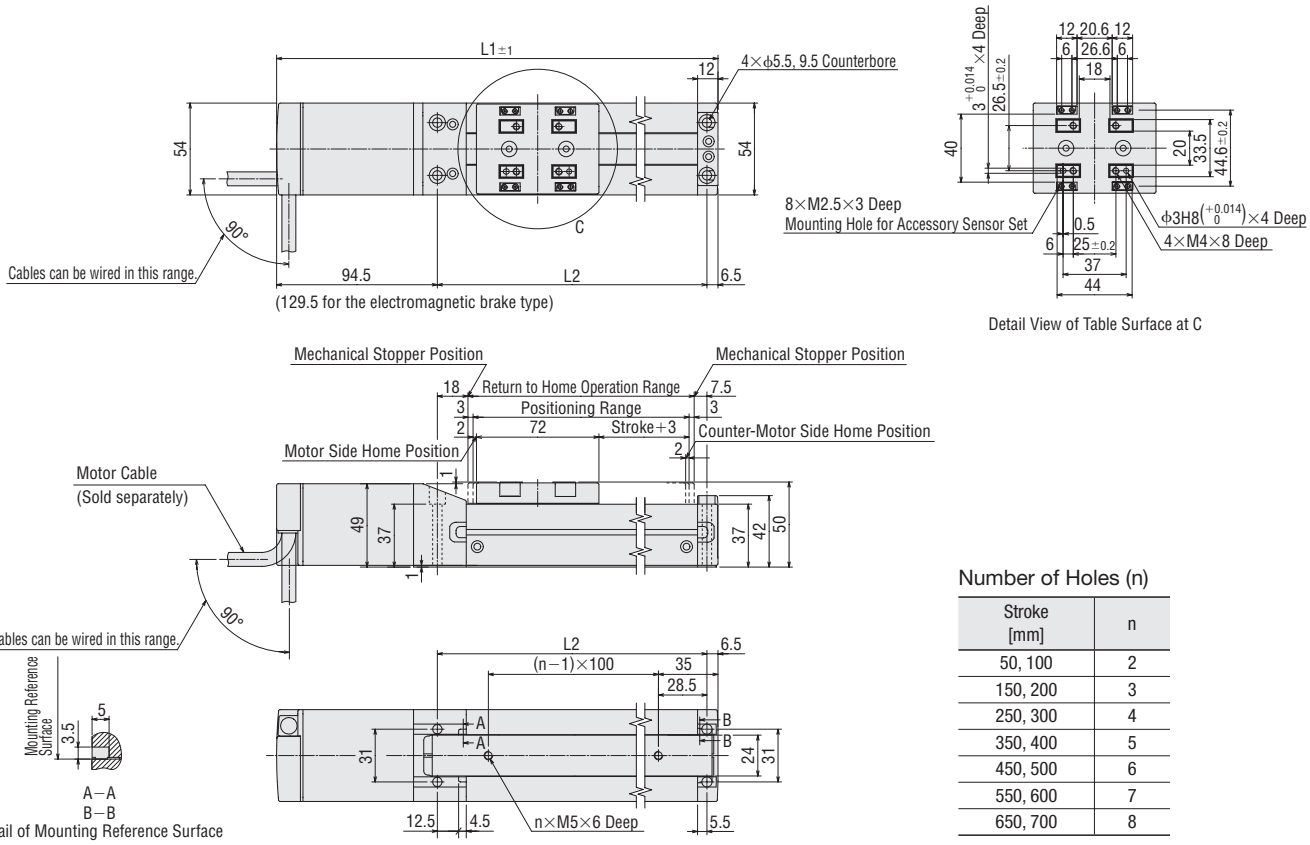


Positioning Time Coefficient

Stroke [mm]	Load Mass					
	Horizontal Installation			Vertical Installation		
	0 kg	7.5 kg	15 kg	0 kg	3.5 kg	7 kg
50~500	1.0	1.0	1.0	1.0	1.0	1.0
550	1.2	1.2	1.2	1.2	1.2	1.2
600	1.5	1.4	1.4	1.5	1.4	1.4
650	1.8	1.8	1.8	1.8	1.8	1.7
700	2.0	1.9	1.9	2.0	1.9	1.9

Notes
● The positioning time in the graph does not include the settling time. Use a settling time of 0.15 sec as a reference (settling time is adjustable by the velocity filter function).
● The starting speed should be 6 mm/s or less.

Dimensions of Linear Slide Unit = mm



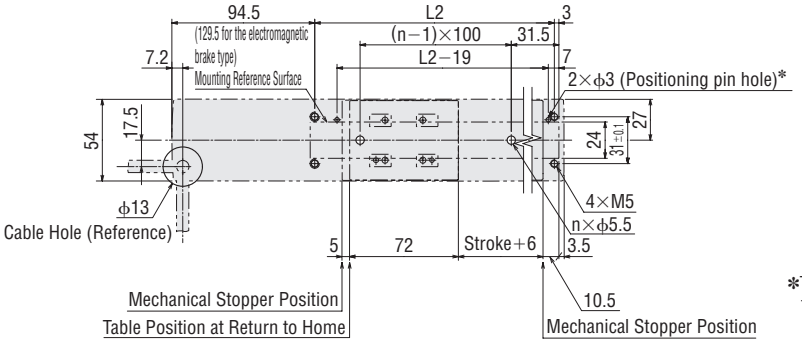
Number of Holes (n)

Stroke [mm]	n
50, 100	2
150, 200	3
250, 300	4
350, 400	5
450, 500	6
550, 600	7
650, 700	8

Linear Slide Model: EZSM3D□A, EZSM3E□A, EZSM3D□C, EZSM3E□C (Without electromagnetic brake)
EZSM3D□MA, EZSM3E□MA, EZSM3D□MC, EZSM3E□MC (With electromagnetic brake)

	Electromagnetic Brake	Numbers Specifiable in the Box (□) within the Linear Slide Model Name													
		005	010	015	020	025	030	035	040	045	050	055	060	065	070
Stroke	Not Equipped/Equipped	50	100	150	200	250	300	350	400	450	500	550	600	650	700
L1	Not Equipped	259.5	309.5	359.5	409.5	459.5	509.5	559.5	609.5	659.5	709.5	759.5	809.5	859.5	909.5
	Equipped	294.5	344.5	394.5	444.5	494.5	544.5	594.5	644.5	694.5	744.5	794.5	844.5	894.5	944.5
L2	Not Equipped/Equipped	158.5	208.5	258.5	308.5	358.5	408.5	458.5	508.5	558.5	608.5	658.5	708.5	758.5	808.5
Mass [kg]	Not Equipped	1.4	1.5	1.7	1.8	2.0	2.1	2.3	2.4	2.6	2.7	2.9	3.0	3.2	3.3
	Equipped	1.6	1.7	1.9	2.0	2.2	2.3	2.5	2.6	2.8	2.9	3.1	3.2	3.4	3.5
DXF	Not Equipped	D548	D549	D550	D551	D552	D553	D554	D555	D556	D557	D558	D559	D560	D561
	Equipped	D562	D563	D564	D565	D566	D567	D568	D569	D570	D571	D572	D573	D574	D575

Dimensions for Linear Slide Installation Unit = mm



*The mounting reference surface can be set on either side. The figure assumes that the linear slide is mounted on its top surface.

EZS4: 74 mm (W) × 50 mm (H) 24 VDC

Maximum Transportable Mass: Horizontal 30 kg/Vertical 14 kg
Stroke: 50 to 700 mm (in 50 mm increments)

Specifications of Linear Slide RoHS

Drive Method	Ball Screw	Repetitive Positioning Accuracy [mm]	±0.02	Resolution [mm]	0.01	Traveling Parallelism [mm]	0.03	Dynamic Permissible Moment [N·m]	MP: 8 MY: 8 MR: 27.8
								Static Permissible Moment [N·m]	MP: 51.2 MY: 42.5 MR: 176

Model	Lead [mm]	Transportable Mass [kg]		Thrust [N]	Push Force [N] *1	Holding Force [N] *2	Maximum Speed (Stroke) [mm/s]			
		Horizontal	Vertical				50~550 mm	600 mm	650 mm	700 mm
EZS4D□-K	12	~15	–	~70	100	70	600	550	460	400
EZS4D□M-K			~7							
EZS4E□-K	6	~30	–	~140	200	140	300	270	220	200
EZS4E□M-K			~14							

● Enter the stroke length in the box (□) within the model name.
*1 The maximum speed of push-motion operation is 25 mm/s and should be used within the dynamic permissible moment.
*2 The holding force of the electromagnetic brake is the same value as the holding force.

Product Number Code

EZS 4 D 050 M - K
① ② ③ ④ ⑤ ⑥

①	Series	**EZS**: **EZSII** Series
②	Linear Slide Size	**4**: Width: 74 mm Height: 50 mm
③	Lead	**D**: 12 mm **E**: 6 mm
④	Stroke	**005** (50 mm) ~ **070** (700 mm)
⑤	Electromagnetic Brake	Blank: Without Electromagnetic Brake **M**: With Electromagnetic Brake
⑥	Power Supply Voltage	**K**: 24 VDC

List of Linear Slide and Controller Combinations

Model names for linear slide and linear motion controller combinations are shown below.

Electromagnetic Brake	Model	Linear Slide Model	Linear Motion Controller Model
Not equipped	**EZS4D□-K**	EZSM4D□K	ESMC-K2
	EZS4E□-K	EZSM4E□K	
Equipped	**EZS4D□M-K**	EZSM4D□MK	
	EZS4E□M-K	EZSM4E□MK	

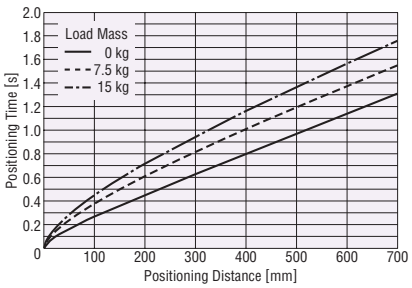
● Enter the stroke length in the box (□) within the model name.

Positioning Distance – Positioning Time

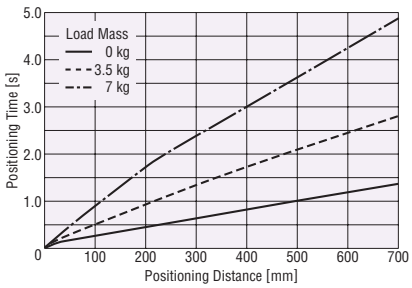
Check the (approximate) positioning time from the positioning distance.
As a rough guideline, the positioning time by the linear slide corresponds to the positioning time calculated from the graph, multiplied by the positioning time coefficient corresponding to the applicable stroke.
See page G-21 for operating speed and acceleration.

●EZS4D (Lead: 12 mm)

◇Horizontal Installation



◇Vertical Installation

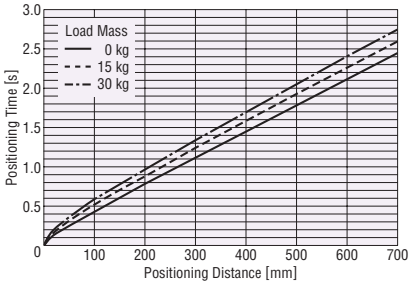


Positioning Time Coefficient

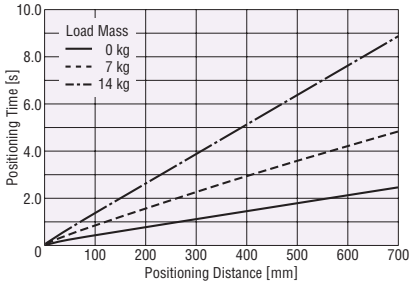
Stroke [mm]	Load Mass					
	Horizontal Installation			Vertical Installation		
	0 kg	7.5 kg	15 kg	0 kg	3.5 kg	7 kg
50~550	1.0	1.0	1.0	1.0	1.0	1.0
600	1.0	1.0	1.0	1.0	1.0	1.0
650	1.2	1.1	1.0	1.2	1.0	1.0
700	1.4	1.1	1.1	1.3	1.0	1.0

●EZS4E (Lead: 6 mm)

◇Horizontal Installation



◇Vertical Installation

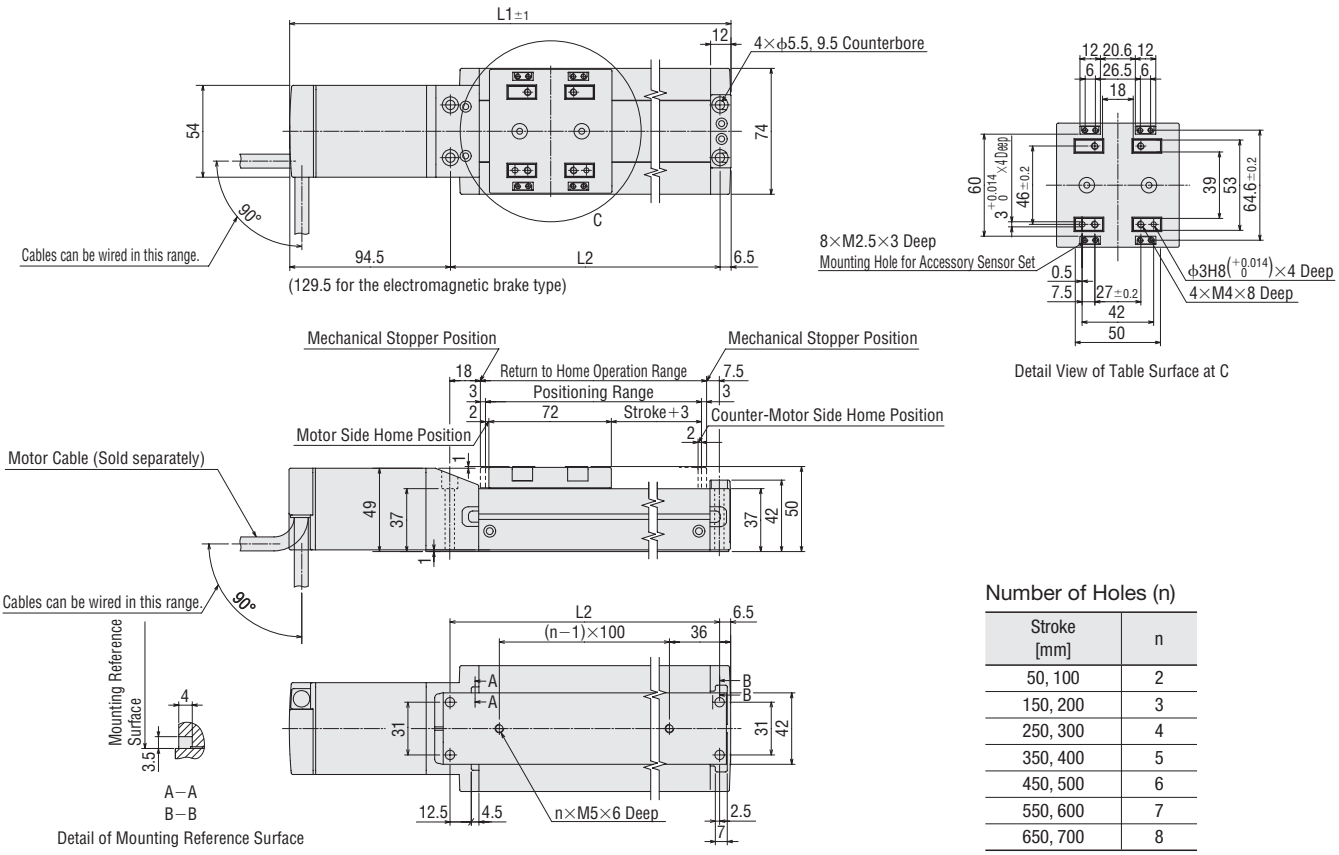


Positioning Time Coefficient

Stroke [mm]	Load Mass					
	Horizontal Installation			Vertical Installation		
	0 kg	15 kg	30 kg	0 kg	7 kg	14 kg
50~550	1.0	1.0	1.0	1.0	1.0	1.0
600	1.1	1.1	1.0	1.1	1.0	1.0
650	1.3	1.3	1.2	1.3	1.0	1.0
700	1.4	1.4	1.3	1.4	1.0	1.0

Notes
● The positioning time in the graph does not include the settling time. Use a settling time of 0.15 sec as a reference (settling time is adjustable by the velocity filter function).
● The starting speed should be 6 mm/s or less.

Dimensions of Linear Slide Unit = mm



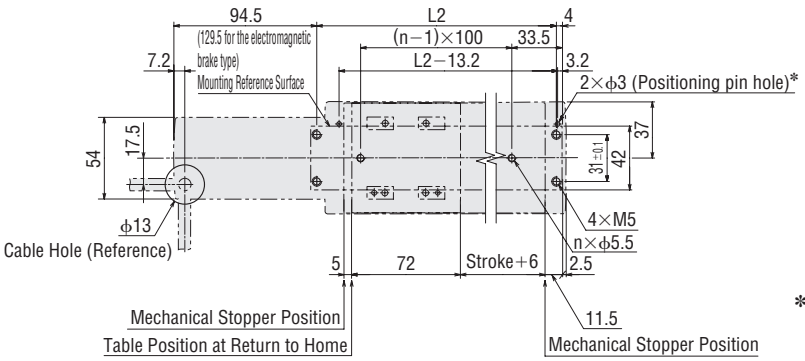
Number of Holes (n)

Stroke [mm]	n
50, 100	2
150, 200	3
250, 300	4
350, 400	5
450, 500	6
550, 600	7
650, 700	8

Linear Slide Model: EZSM4D□K, EZSM4E□K (Without electromagnetic brake)
EZSM4D□MK, EZSM4E□MK (With electromagnetic brake)

	Electromagnetic Brake	Numbers Specifiable in the Box (□) within the Linear Slide Model Name													
		005	010	015	020	025	030	035	040	045	050	055	060	065	070
Stroke	Not Equipped/Equipped	50	100	150	200	250	300	350	400	450	500	550	600	650	700
L1	Not Equipped	259.5	309.5	359.5	409.5	459.5	509.5	559.5	609.5	659.5	709.5	759.5	809.5	859.5	909.5
	Equipped	294.5	344.5	394.5	444.5	494.5	544.5	594.5	644.5	694.5	744.5	794.5	844.5	894.5	944.5
L2	Not Equipped/Equipped	158.5	208.5	258.5	308.5	358.5	408.5	458.5	508.5	558.5	608.5	658.5	708.5	758.5	808.5
Mass [kg]	Not Equipped	1.8	2.1	2.3	2.5	2.7	3.0	3.2	3.4	3.7	3.9	4.1	4.3	4.6	4.8
	Equipped	2.0	2.3	2.5	2.7	2.9	3.2	3.4	3.6	3.9	4.1	4.3	4.5	4.8	5.0
DXF	Not Equipped	D576	D577	D578	D579	D580	D581	D582	D583	D584	D585	D586	D587	D588	D589
	Equipped	D590	D591	D592	D593	D594	D595	D596	D597	D598	D599	D600	D601	D602	D603

Dimensions for Linear Slide Installation Unit = mm



*The mounting reference surface can be set on either side. The figure assumes that the linear slide is mounted on its top surface.

EZS4: 74 mm (W) × 50 mm (H)

Single-Phase 100-115 VAC
Single-Phase 200-230 VAC

Maximum Transportable Mass: Horizontal 30 kg/Vertical 14 kg
Stroke: 50 to 700 mm (in 50 mm increments)

Specifications of Linear Slide RoHS

Drive Method	Ball Screw	Repetitive Positioning Accuracy [mm]	±0.02	Resolution [mm]	0.01	Traveling Parallelism [mm]	0.03

Dynamic Permissible Moment [N·m]	MP: 8 MY: 8 MR: 27.8
Static Permissible Moment [N·m]	MP: 51.2 MY: 42.5 MR: 176

Model	Lead [mm]	Transportable Mass [kg] Horizontal	Transportable Mass [kg] Vertical	Thrust [N]	Push Force [N] *1	Holding Force [N] *2	Maximum Speed (Stroke) [mm/s] 50~500 mm	550 mm	600 mm	650 mm	700 mm
EZS4D□-■	12	~15	–	~70	100	70	800	650	550	460	400
EZS4D□M-■			~7								
EZS4E□-■	6	~30	–	~140	200	140	400	320	270	220	200
EZS4E□M-■			~14								

● Enter the stroke length in the box (□) within the model name. Enter the power supply voltage **A** or **C** in the box (■) within the model name.
*1 The maximum speed of push-motion operation is 25 mm/s and should be used within the dynamic permissible moment.
*2 The holding force of the electromagnetic brake is the same value as the holding force.

Product Number Code

EZS 4 D 050 M - A
① ② ③ ④ ⑤ ⑥

①	Series	**EZS**: **EZSII** Series
②	Linear Slide Size	**4**: Width: 74 mm Height: 50 mm
③	Lead	**D**: 12 mm **E**: 6 mm
④	Stroke	**005** (50 mm) ~ **070** (700 mm)
⑤	Electromagnetic Brake	Blank: Without Electromagnetic Brake **M**: With Electromagnetic Brake
⑥	Power Supply Voltage	**A**: Single-Phase 100-115 VAC **C**: Single-Phase 200-230 VAC

List of Linear Slide and Controller Combinations

Model names for linear slide and linear motion controller combinations are shown below.

Electromagnetic Brake	Model	Linear Slide Model	Linear Motion Controller Model
Not equipped	**EZS4D□-A**	EZSM4D□A	ESMC-A2
	EZS4D□-C	EZSM4D□C	ESMC-C2
	EZS4E□-A	EZSM4E□A	ESMC-A2
	EZS4E□-C	EZSM4E□C	ESMC-C2
Equipped	**EZS4D□M-A**	EZSM4D□MA	ESMC-A2
	EZS4D□M-C	EZSM4D□MC	ESMC-C2
	EZS4E□M-A	EZSM4E□MA	ESMC-A2
	EZS4E□M-C	EZSM4E□MC	ESMC-C2

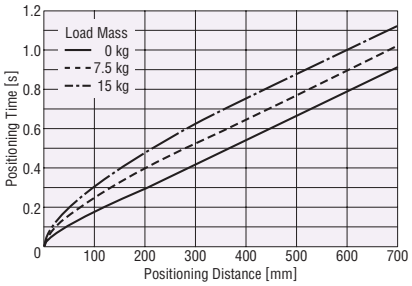
● Enter the stroke length in the box (□) within the model name.

Positioning Distance – Positioning Time

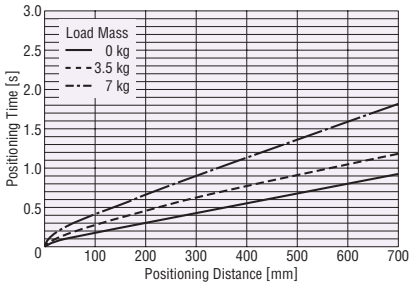
Check the (approximate) positioning time from the positioning distance.
As a rough guideline, the positioning time by the linear slide corresponds to the positioning time calculated from the graph, multiplied by the positioning time coefficient corresponding to the applicable stroke.
See page G-21 for operating speed and acceleration.

●EZS4D (Lead: 12 mm)

◇Horizontal Installation



◇Vertical Installation

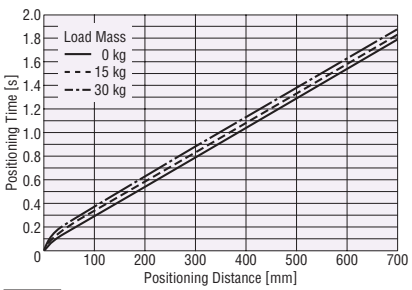


Positioning Time Coefficient

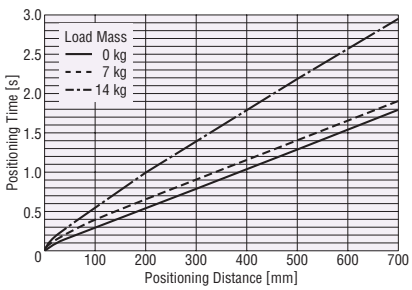
Stroke [mm]	Load Mass: Horizontal Installation 0 kg	7.5 kg	15 kg	Vertical Installation 0 kg	3.5 kg	7 kg
50~500	1.0	1.0	1.0	1.0	1.0	1.0
550	1.2	1.1	1.1	1.2	1.0	1.0
600	1.4	1.3	1.2	1.4	1.1	1.0
650	1.7	1.5	1.4	1.7	1.3	1.0
700	1.9	1.8	1.6	1.9	1.5	1.0

●EZS4E (Lead: 6 mm)

◇Horizontal Installation



◇Vertical Installation

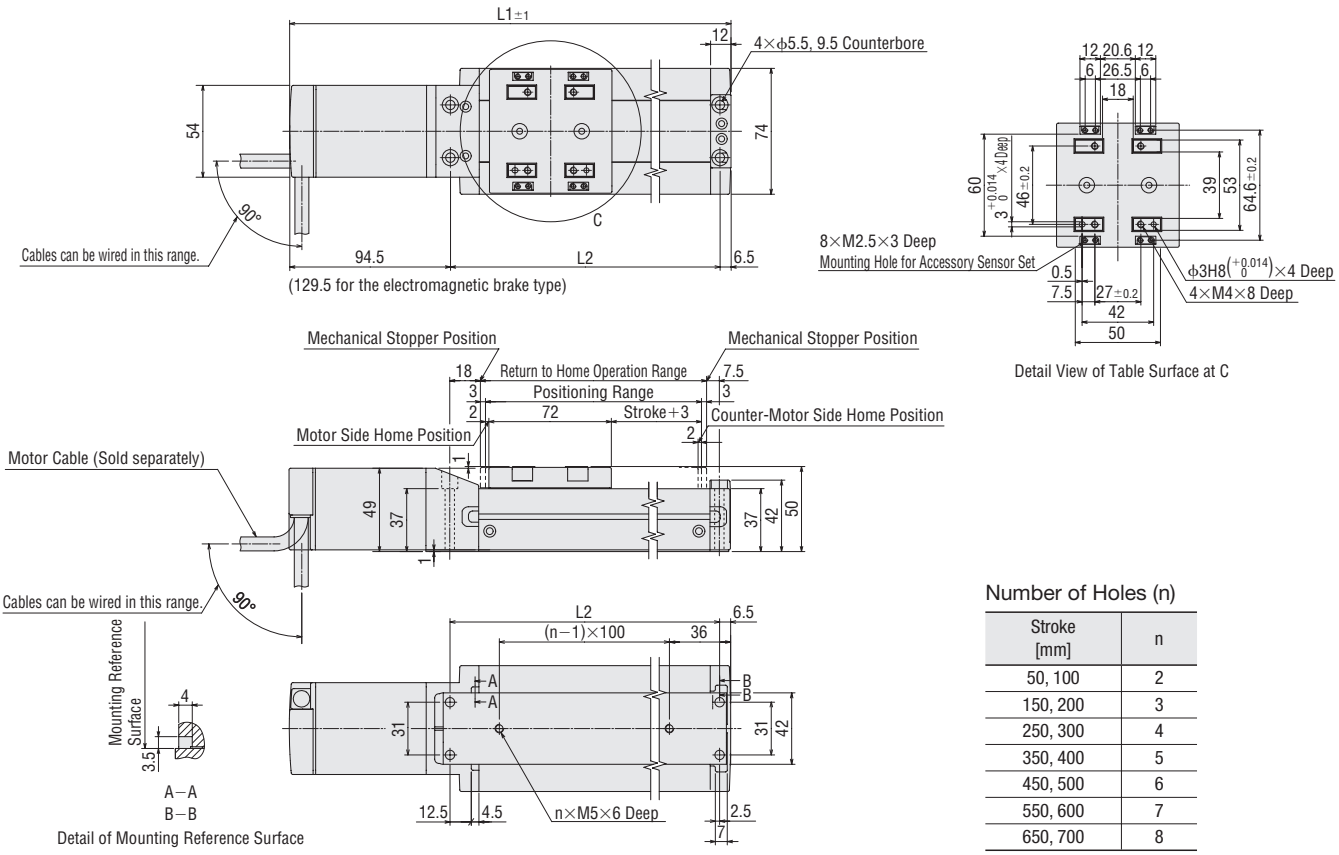


Positioning Time Coefficient

Stroke [mm]	Load Mass: Horizontal Installation 0 kg	15 kg	30 kg	Vertical Installation 0 kg	7 kg	14 kg
50~500	1.0	1.0	1.0	1.0	1.0	1.0
550	1.2	1.2	1.2	1.2	1.2	1.0
600	1.5	1.4	1.4	1.5	1.4	1.0
650	1.8	1.7	1.7	1.8	1.7	1.1
700	2.0	1.9	1.9	2.0	1.9	1.2

Notes
● The positioning time in the graph does not include the settling time. Use a settling time of 0.15 sec as a reference (settling time is adjustable by the velocity filter function).
● The starting speed should be 6 mm/s or less.

Dimensions of Linear Slide Unit = mm



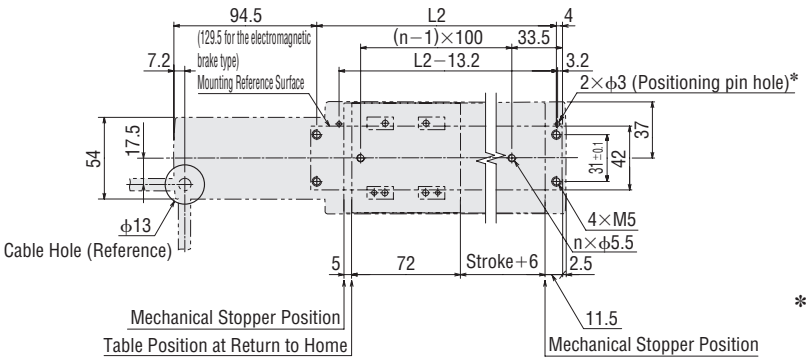
Number of Holes (n)

Stroke [mm]	n
50, 100	2
150, 200	3
250, 300	4
350, 400	5
450, 500	6
550, 600	7
650, 700	8

Linear Slide Model: EZSM4D□A, EZSM4E□A, EZSM4D□C, EZSM4E□C (Without electromagnetic brake)
EZSM4D□MA, EZSM4E□MA, EZSM4D□MC, EZSM4E□MC (With electromagnetic brake)

	Electromagnetic Brake	Numbers Specifiable in the Box (□) within the Linear Slide Model Name													
		005	010	015	020	025	030	035	040	045	050	055	060	065	070
Stroke	Not Equipped/Equipped	50	100	150	200	250	300	350	400	450	500	550	600	650	700
L1	Not Equipped	259.5	309.5	359.5	409.5	459.5	509.5	559.5	609.5	659.5	709.5	759.5	809.5	859.5	909.5
	Equipped	294.5	344.5	394.5	444.5	494.5	544.5	594.5	644.5	694.5	744.5	794.5	844.5	894.5	944.5
L2	Not Equipped/Equipped	158.5	208.5	258.5	308.5	358.5	408.5	458.5	508.5	558.5	608.5	658.5	708.5	758.5	808.5
Mass [kg]	Not Equipped	1.8	2.1	2.3	2.5	2.7	3.0	3.2	3.4	3.7	3.9	4.1	4.3	4.6	4.8
	Equipped	2.0	2.3	2.5	2.7	2.9	3.2	3.4	3.6	3.9	4.1	4.3	4.5	4.8	5.0
DXF	Not Equipped	D576	D577	D578	D579	D580	D581	D582	D583	D584	D585	D586	D587	D588	D589
	Equipped	D590	D591	D592	D593	D594	D595	D596	D597	D598	D599	D600	D601	D602	D603

Dimensions for Linear Slide Installation Unit = mm



*The mounting reference surface can be set on either side. The figure assumes that the linear slide is mounted on its top surface.

EZS6: 74 mm (W) × 66.5 mm (H) 24 VDC

Maximum Transportable Mass: Horizontal 60 kg/Vertical 30 kg
Stroke: 50 to 850 mm (in 50 mm increments)

Specifications of Linear Slide RoHS

Drive Method	Ball Screw	Repetitive Positioning Accuracy [mm]	±0.02	Resolution [mm]	0.01	Traveling Parallelism [mm]	0.03	Dynamic Permissible Moment [N·m]	MP: 45.7 MY: 37.5 MR: 55.6
								Static Permissible Moment [N·m]	MP: 290 MY: 187 MR: 340

Model	Lead [mm]	Transportable Mass [kg]		Thrust [N]	Push Force [N] *1	Holding Force [N] *2	Maximum Speed (Stroke) [mm/s]				
		Horizontal	Vertical				50~650 mm	700 mm	750 mm	800 mm	850 mm
EZS6D□-K	12	~30	–	~200	400	200	600	550	470	420	360
EZS6D□M-K			~15								
EZS6E□-K	6	~60	–	~400	500	400	300	260	230	200	180
EZS6E□M-K			~30								

● Enter the stroke length in the box (□) within the model name.
*1 The maximum speed of push-motion operation is 25 mm/s and should be used within the dynamic permissible moment.
*2 The holding force of the electromagnetic brake is the same value as the holding force.

Product Number Code

EZS 6 D 050 M - K
① ② ③ ④ ⑤ ⑥

①	Series	**EZS**: **EZSII** Series
②	Linear Slide Size	**6**: Width: 74 mm Height: 66.5 mm
③	Lead	**D**: 12 mm **E**: 6 mm
④	Stroke	**005** (50 mm) ~ **085** (850 mm)
⑤	Electromagnetic Brake	Blank: Without Electromagnetic Brake **M**: With Electromagnetic Brake
⑥	Power Supply Voltage	**K**: 24 VDC

List of Linear Slide and Controller Combinations

Model names for linear slide and linear motion controller combinations are shown below.

Electromagnetic Brake	Model	Linear Slide Model	Linear Motion Controller Model
Not equipped	**EZS6D□-K**	EZSM6D□K	ESMC-K2
	EZS6E□-K	EZSM6E□K	
Equipped	**EZS6D□M-K**	EZSM6D□MK	
	EZS6E□M-K	EZSM6E□MK	

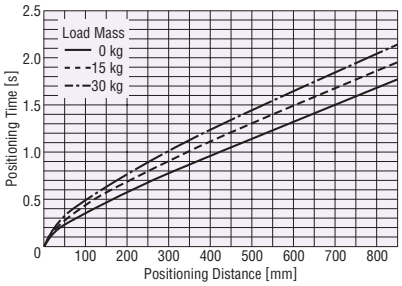
● Enter the stroke length in the box (□) within the model name.

Positioning Distance – Positioning Time

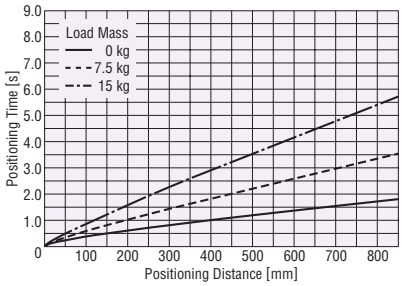
Check the (approximate) positioning time from the positioning distance.
As a rough guideline, the positioning time by the linear slide corresponds to the positioning time calculated from the graph, multiplied by the positioning time coefficient corresponding to the applicable stroke.
See page G-21 for operating speed and acceleration.

●EZS6D (Lead: 12 mm)

◇Horizontal Installation



◇Vertical Installation

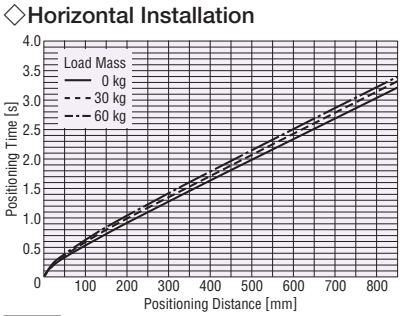


Positioning Time Coefficient

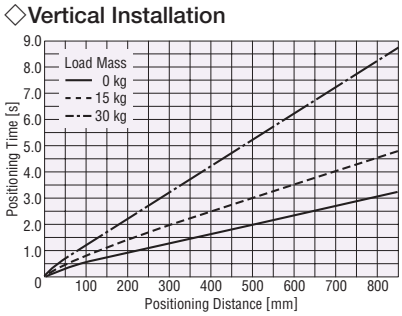
Stroke [mm]	Load Mass					
	Horizontal Installation			Vertical Installation		
	0 kg	15 kg	30 kg	0 kg	7.5 kg	15 kg
50~650	1.0	1.0	1.0	1.0	1.0	1.0
700	1.0	1.0	1.0	1.0	1.0	1.0
750	1.1	1.1	1.0	1.1	1.0	1.0
800	1.2	1.1	1.1	1.2	1.0	1.0
850	1.4	1.3	1.2	1.4	1.0	1.0

●EZS6E (Lead: 6 mm)

◇Horizontal Installation



◇Vertical Installation

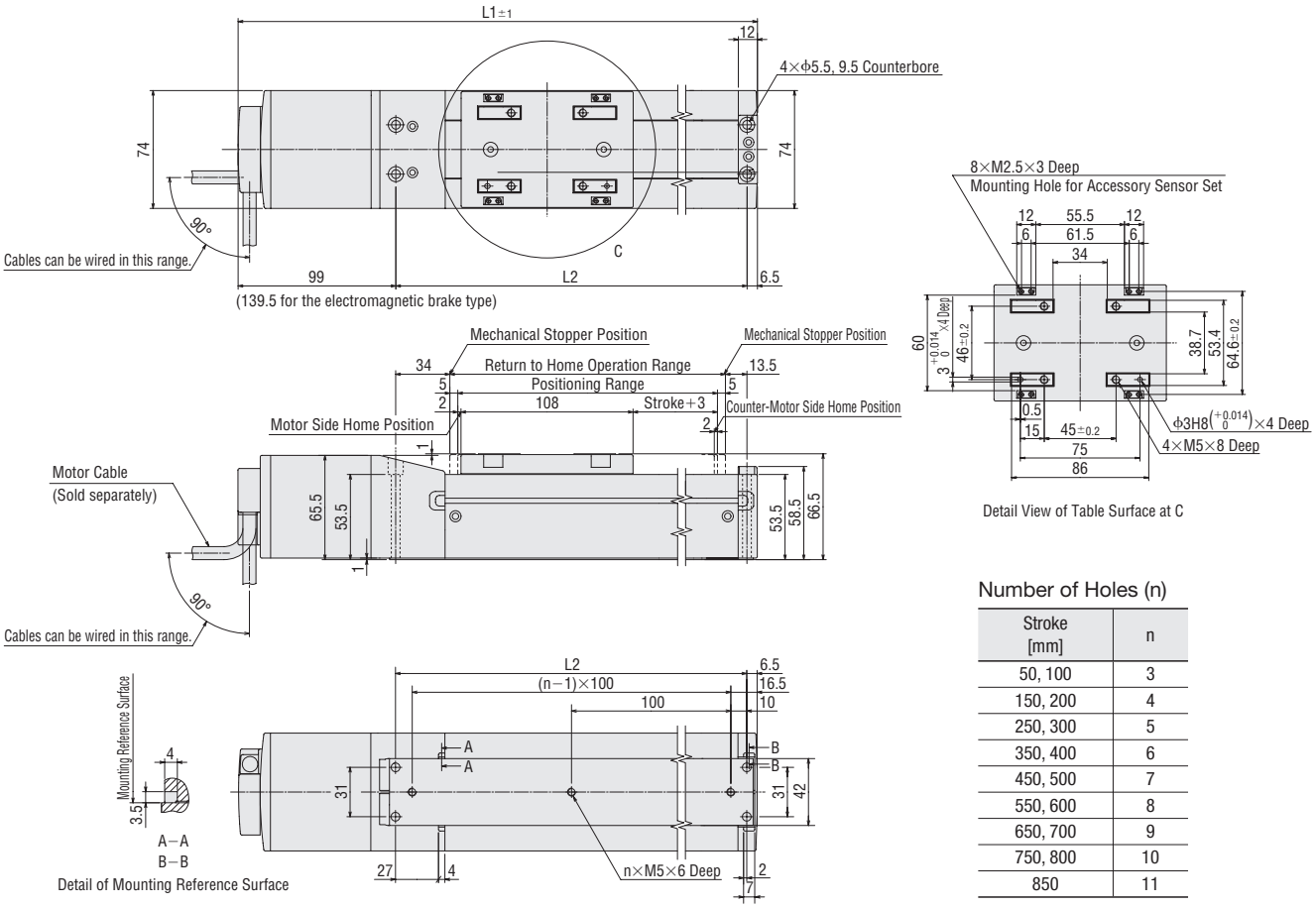


Positioning Time Coefficient

Stroke [mm]	Load Mass					
	Horizontal Installation			Vertical Installation		
	0 kg	30 kg	60 kg	0 kg	15 kg	30 kg
50~650	1.0	1.0	1.0	1.0	1.0	1.0
700	1.1	1.0	1.0	1.1	1.0	1.0
750	1.2	1.2	1.1	1.2	1.0	1.0
800	1.3	1.3	1.3	1.4	1.0	1.0
850	1.5	1.5	1.4	1.5	1.0	1.0

Notes
● The positioning time in the graph does not include the settling time. Use a settling time of 0.15 sec as a reference (settling time is adjustable by the velocity filter function).
● The starting speed should be 6 mm/s or less.

Dimensions of Linear Slide Unit = mm



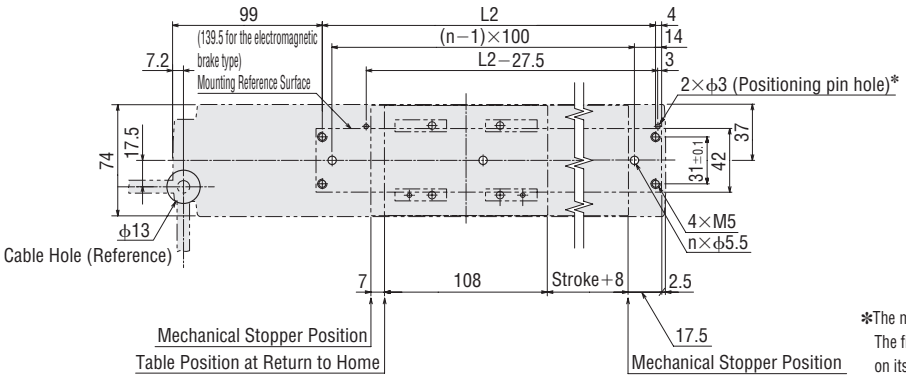
Number of Holes (n)

Stroke [mm]	n
50, 100	3
150, 200	4
250, 300	5
350, 400	6
450, 500	7
550, 600	8
650, 700	9
750, 800	10
850	11

Linear Slide Model: EZSM6D□K, EZSM6E□K (Without electromagnetic brake)
EZSM6D□MK, EZSM6E□MK (With electromagnetic brake)

	Electromagnetic Brake	Numbers Specifiable in the Box (□) within the Linear Slide Model Name																	
		005	010	015	020	025	030	035	040	045	050	055	060	065	070	075	080	085
Stroke	Not Equipped/Equipped	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850
L1	Not Equipped	326	376	426	476	526	576	626	676	726	776	826	876	926	976	1026	1076	1126
	Equipped	366.5	416.5	466.5	516.5	566.5	616.5	666.5	716.5	766.5	816.5	866.5	916.5	966.5	1016.5	1066.5	1116.5	1166.5
L2	Not Equipped/Equipped	220.5	270.5	320.5	370.5	420.5	470.5	520.5	570.5	620.5	670.5	720.5	770.5	820.5	870.5	920.5	970.5	1020.5
Mass [kg]	Not Equipped	3.4	3.6	3.9	4.1	4.4	4.7	4.9	5.2	5.4	5.7	6.0	6.2	6.5	6.7	7.0	7.3	7.5
	Equipped	3.8	4.0	4.3	4.5	4.8	5.1	5.3	5.6	5.8	6.1	6.4	6.6	6.9	7.1	7.4	7.7	7.9
DXF	Not Equipped	D604	D605	D606	D607	D608	D609	D610	D611	D612	D613	D614	D615	D616	D617	D618	D619	D620
	Equipped	D621	D622	D623	D624	D625	D626	D627	D628	D629	D630	D631	D632	D633	D634	D635	D636	D637

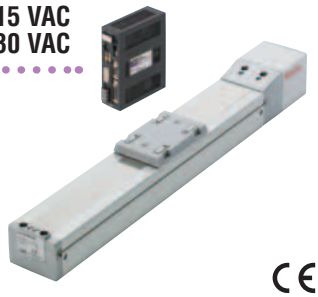
Dimensions for Linear Slide Installation Unit = mm



*The mounting reference surface can be set on either side. The figure assumes that the linear slide is mounted on its top surface.

EZS6: 74 mm (W) × 66.5 mm (H)

Single-Phase 100-115 VAC
Single-Phase 200-230 VAC



Maximum Transportable Mass: Horizontal 60 kg/Vertical 30 kg
Stroke: 50 to 850 mm (in 50 mm increments)

Specifications of Linear Slide RoHS

Drive Method	Ball Screw	Repetitive Positioning Accuracy [mm]	±0.02	Resolution [mm]	0.01	Traveling Parallelism [mm]	0.03	Dynamic Permissible Moment [N·m]	MP: 45.7 MY: 37.5 MR: 55.6
								Static Permissible Moment [N·m]	MP: 290 MY: 187 MR: 340

Model	Lead [mm]	Transportable Mass [kg] Horizontal	Transportable Mass [kg] Vertical	Thrust [N]	Push Force [N] *1	Holding Force [N] *2	Maximum Speed (Stroke) [mm/s] 50～550 mm	600 mm	650 mm	700 mm	750 mm	800 mm	850 mm
EZS6D□-■	12	～30	–	～200	400	200	800		640	550	470	420	360
EZS6D□M-■			～15										
EZS6E□-■	6	～60	–	～400	500	400	400	350	300	260	230	200	180
EZS6E□M-■			～30										

● Enter the stroke length in the box (□) within the model name. Enter the power supply voltage **A** or **C** in the box (■) within the model name.
*1 The maximum speed of push-motion operation is 25 mm/s and should be used within the dynamic permissible moment.
*2 The holding force of the electromagnetic brake is the same value as the holding force.

Product Number Code

EZS 6 D 050 M - A
① ② ③ ④ ⑤ ⑥

①	Series	**EZS**: **EZSII** Series
②	Linear Slide Size	**6**: Width: 74 mm Height: 66.5 mm
③	Lead	**D**: 12 mm **E**: 6 mm
④	Stroke	**005** (50 mm) ～ **085** (850 mm)
⑤	Electromagnetic Brake	Blank: Without Electromagnetic Brake **M**: With Electromagnetic Brake
⑥	Power Supply Voltage	**A**: Single-Phase 100-115 VAC **C**: Single-Phase 200-230 VAC

List of Linear Slide and Controller Combinations

Model names for linear slide and linear motion controller combinations are shown below.

Electromagnetic Brake	Model	Linear Slide Model	Linear Motion Controller Model
Not equipped	**EZS6D□-A**	EZSM6D□A	ESMC-A2
	EZS6D□-C	EZSM6D□C	ESMC-C2
	EZS6E□-A	EZSM6E□A	ESMC-A2
	EZS6E□-C	EZSM6E□C	ESMC-C2
Equipped	**EZS6D□M-A**	EZSM6D□MA	ESMC-A2
	EZS6D□M-C	EZSM6D□MC	ESMC-C2
	EZS6E□M-A	EZSM6E□MA	ESMC-A2
	EZS6E□M-C	EZSM6E□MC	ESMC-C2

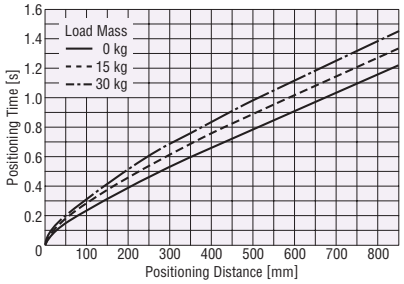
● Enter the stroke length in the box (□) within the model name.

Positioning Distance – Positioning Time

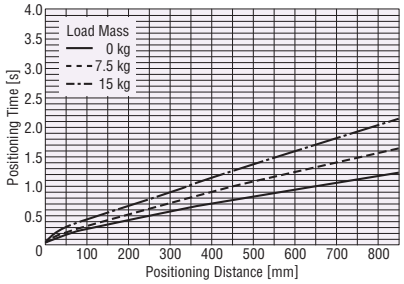
Check the (approximate) positioning time from the positioning distance.
As a rough guideline, the positioning time by the linear slide corresponds to the positioning time calculated from the graph, multiplied by the positioning time coefficient corresponding to the applicable stroke.
See page G-21 for operating speed and acceleration.

●EZS6D (Lead: 12 mm)

◇Horizontal Installation



◇Vertical Installation

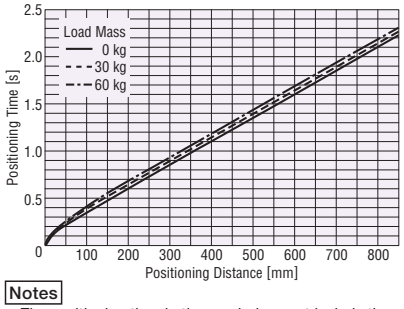


Positioning Time Coefficient

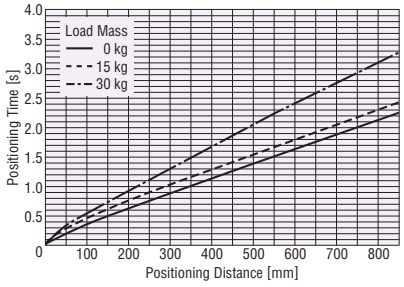
Stroke [mm]	Load Mass Horizontal Installation 0 kg	15 kg	30 kg	Vertical Installation 0 kg	7.5 kg	15 kg
50～600	1.0	1.0	1.0	1.0	1.0	1.0
650	1.1	1.1	1.0	1.1	1.0	1.0
700	1.3	1.2	1.1	1.3	1.0	1.0
750	1.5	1.4	1.3	1.5	1.2	1.0
800	1.7	1.5	1.4	1.7	1.3	1.1
850	2.0	1.8	1.7	2.4	1.5	1.2

●EZS6E (Lead: 6 mm)

◇Horizontal Installation



◇Vertical Installation

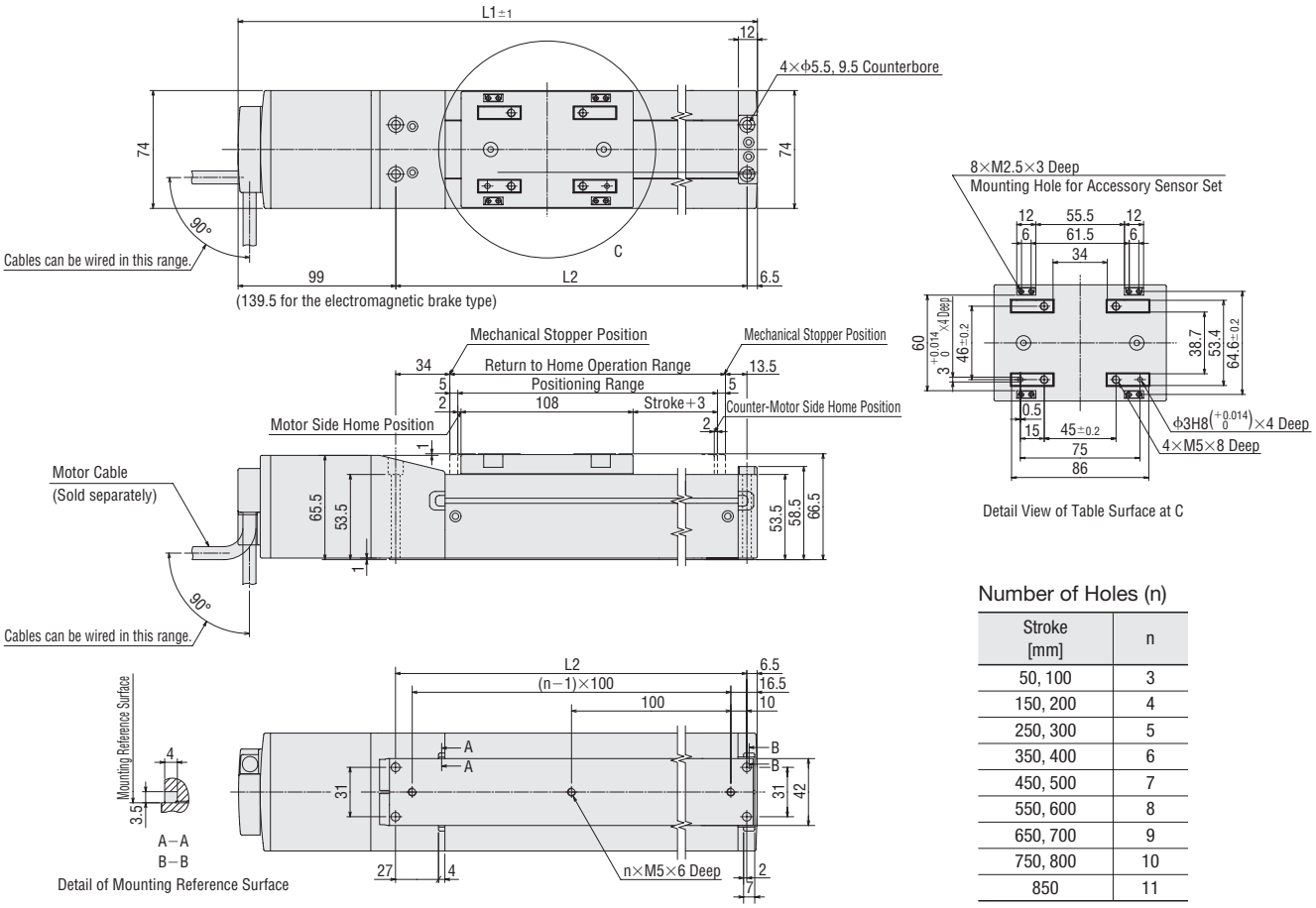


Positioning Time Coefficient

Stroke [mm]	Load Mass Horizontal Installation 0 kg	30 kg	60 kg	Vertical Installation 0 kg	15 kg	30 kg
50～600	1.0	1.0	1.0	1.0	1.0	1.0
650	1.1	1.1	1.1	1.1	1.1	1.0
700	1.3	1.3	1.3	1.3	1.2	1.0
750	1.5	1.5	1.4	1.5	1.4	1.0
800	1.7	1.6	1.6	1.7	1.5	1.2
850	1.9	1.9	1.9	1.9	1.8	1.3

Notes
● The positioning time in the graph does not include the settling time. Use a settling time of 0.15 sec as a reference (settling time is adjustable by the velocity filter function).
● The starting speed should be 6 mm/s or less.

Dimensions of Linear Slide Unit = mm



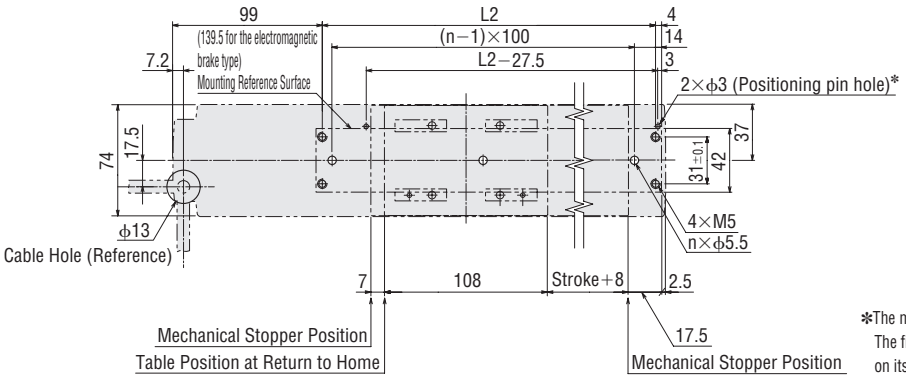
Number of Holes (n)

Stroke [mm]	n
50, 100	3
150, 200	4
250, 300	5
350, 400	6
450, 500	7
550, 600	8
650, 700	9
750, 800	10
850	11

Linear Slide Model: EZSM6D□A, EZSM6E□A, EZSM6D□C, EZSM6E□C (Without electromagnetic brake)
EZSM6D□MA, EZSM6E□MA, EZSM6D□MC, EZSM6E□MC (With electromagnetic brake)

	Electromagnetic Brake	Numbers Specifiable in the Box (□) within the Linear Slide Model Name																	
		005	010	015	020	025	030	035	040	045	050	055	060	065	070	075	080	085
Stroke	Not Equipped/Equipped	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850
L1	Not Equipped	326	376	426	476	526	576	626	676	726	776	826	876	926	976	1026	1076	1126
	Equipped	366.5	416.5	466.5	516.5	566.5	616.5	666.5	716.5	766.5	816.5	866.5	916.5	966.5	1016.5	1066.5	1116.5	1166.5
L2	Not Equipped/Equipped	220.5	270.5	320.5	370.5	420.5	470.5	520.5	570.5	620.5	670.5	720.5	770.5	820.5	870.5	920.5	970.5	1020.5
Mass [kg]	Not Equipped	3.4	3.6	3.9	4.1	4.4	4.7	4.9	5.2	5.4	5.7	6.0	6.2	6.5	6.7	7.0	7.3	7.5
	Equipped	3.8	4.0	4.3	4.5	4.8	5.1	5.3	5.6	5.8	6.1	6.4	6.6	6.9	7.1	7.4	7.7	7.9
DXF	Not Equipped	D604	D605	D606	D607	D608	D609	D610	D611	D612	D613	D614	D615	D616	D617	D618	D619	D620
	Equipped	D621	D622	D623	D624	D625	D626	D627	D628	D629	D630	D631	D632	D633	D634	D635	D636	D637

Dimensions for Linear Slide Installation Unit = mm



*The mounting reference surface can be set on either side. The figure assumes that the linear slide is mounted on its top surface.