Accessories (Sold separately)

Motor Cables RoHS

A dedicated cable used to connect the linear slide of the **EZSII** Series with the linear motion controller. Use flexible cables in applications where the cables will flex repeatedly. These cables are available for both the electromagnetic brake type and non-electromagnetic brake type.

Product Line

Standard Cables

Model	Length (L)
CC010ES-2	1 m
CC020ES-2	2 m
CC030ES-2	3 m
CC050ES-2	5 m
CC070ES-2	7 m
CC100ES-2	10 m
CC150ES-2	15 m*
CC200ES-2	20 m*

*Keep the cable length to 10 m or below for 24 VDC linear slides.

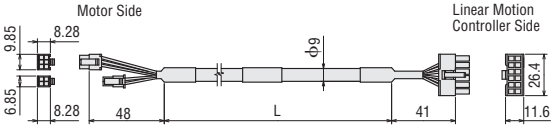
Flexible Cables

Model	Length (L)
CC010ESR-2	1 m
CC020ESR-2	2 m
CC030ESR-2	3 m
CC050ESR-2	5 m
CC070ESR-2	7 m
CC100ESR-2	10 m
CC150ESR-2	15 m*
CC200ESR-2	20 m*

*Keep the cable length to 10 m or below for 24 VDC linear slides.

Dimensions Unit = mm

CC□ES-2/CC□ESR-2

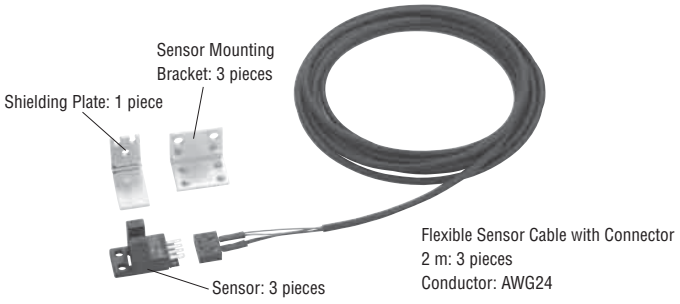


Sensor Set RoHS

The sensor set, dedicated to the **EZSII** Series, consists of three sensors, three sensor mounting brackets and three flexible sensor cables with connector (2 m), and one shielding plate. The screws needed for installation are also included.

Product Line

Model	Sensor Output
PAES-S	NPN
PAES-SY	PNP



Specifications

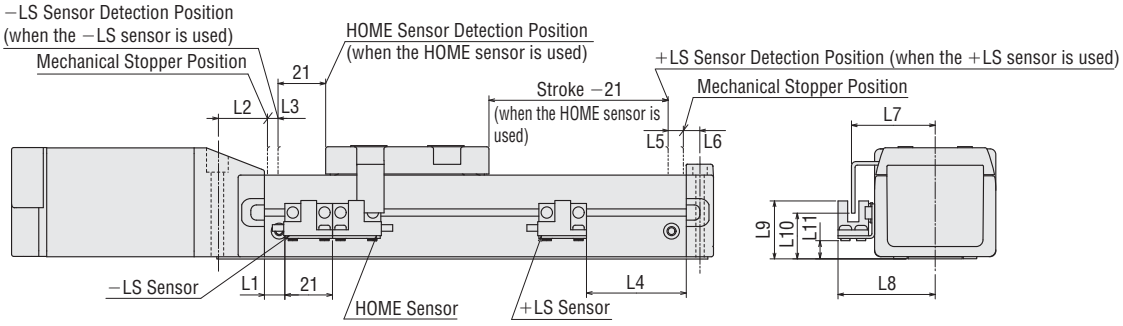
◇NPN Type

Model	**PAES-S** (OMRON Model: EE-SX674A)
Power Supply	5～24 VDC ±10%, ripple (P-P) 10% or less
Current Consumption	35 mA or less
Control Output	NPN open-collector output, 5～24 VDC, 100 mA or less Residual voltage 0.8 V or less (at load current of 100 mA)
Indicator LED	Detection display (red)
Sensor Logic	Normally open/normally closed (selectable, depending on connection)

◇PNP Type

Model	**PAES-SY** (OMRON Model: EE-SX674R)
Power Supply	5～24 VDC ±10%, ripple (P-P) 10% or less
Current Consumption	30 mA or less
Control Output	PNP open-collector output, 5～24 VDC, 50 mA or less Residual voltage 1.3 V or less (at load current of 50 mA)
Indicator LED	Detection display (red)
Sensor Logic	Normally open/normally closed (selectable, depending on connection)

Dimensions of Recommended Sensor Installation Positions Unit = mm



Linear Slide Size	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11
EZS3	9	18	5	44	6	7.5	37.3	43.3	25.8	20.4	8.1
EZS4	9	18	5	44	6	7.5	47.3	53.3	25.8	20.4	8.1
EZS6	13.5	34	7	87.5	8	13.5	47.3	53.3	42.3	36.9	24.6

Note:
- If the stroke is 60 mm or less, all three sensors cannot be installed.

Sensor Extension Cables RoHS

These cables are used for connection between the linear motion controller and the sensors.

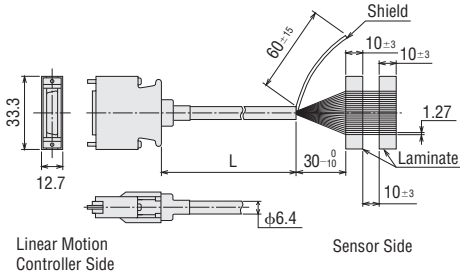
Product Line

Model	Length (L)
CC20D1-1	1 m
CC20D2-1	2 m

Dimensions Unit = mm

CC20D□-1

Conductor: AWG28



I/O Cables RoHS

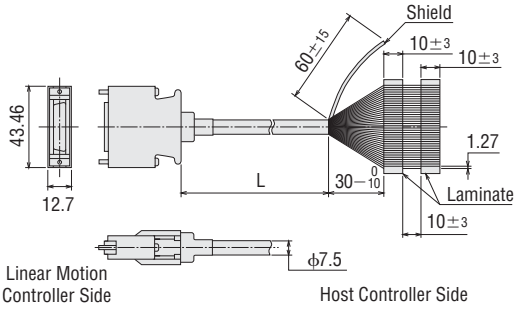
These cables are used for connection between the linear motion controller and the host controller.
A half-pitch connector allowing one-touch connection to the controller is attached at one end of the flat cable.

Product Line

Model	Length (L)
CC36D1-1	1 m
CC36D2-1	2 m

Dimensions Unit = mm

Conductor: AWG28



Connector — Terminal Block Conversion Unit RoHS

A conversion unit that connects a driver to a host controller using a terminal block.
- With a signal name plate for easy, one-glance identification of driver signal names
- DIN rail mountable
- Cable length: 1 m

CC20T1

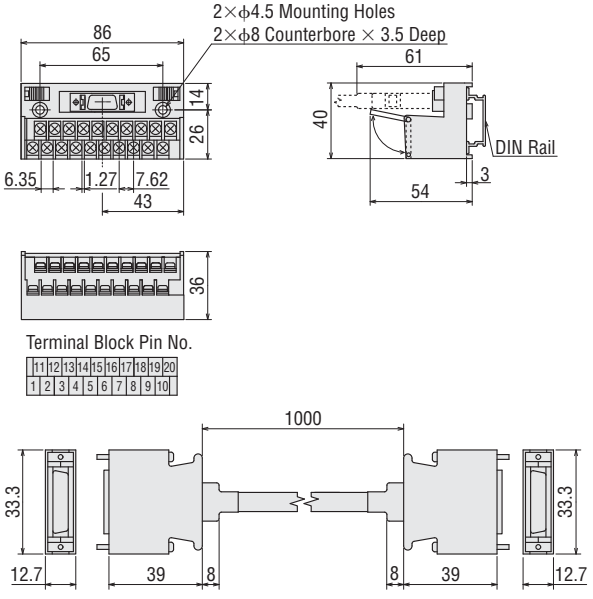
CC36T1

Product Line

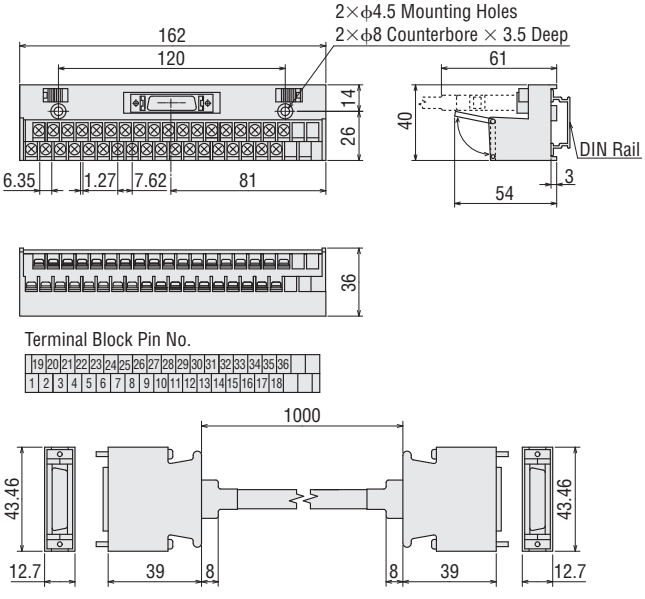
Model	Number of Pins	Length
CC20T1	20	1 m
CC36T1	36	1 m

Dimensions Unit = mm

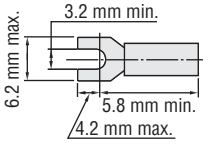
CC20T1



CC36T1



- Recommended Crimp Terminals
- Terminal screw size: M3
- Tightening torque: 1.2 N·m
- Applicable minimum lead wire: AWG22
- Round terminals are not available.



Teaching Pendant

This product does not conform to the RoHS Directive.

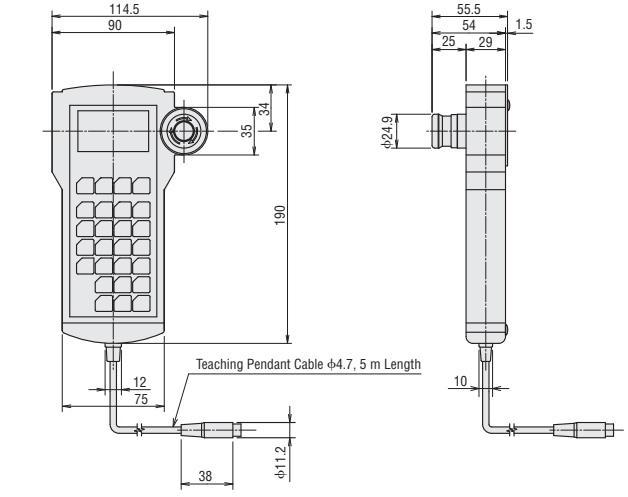
The teaching pendant allows you to set and operate various data by hand, as well as to monitor the set data, current position and I/O status in real time.

Product Line

Model
EZT1

Dimensions Unit = mm

DXF D416



Specifications

Display	LCD with 2-colored back light
Cable Length	5 m
Mass	0.37 kg
Ambient Temperature	0～+40℃ (non-freezing)

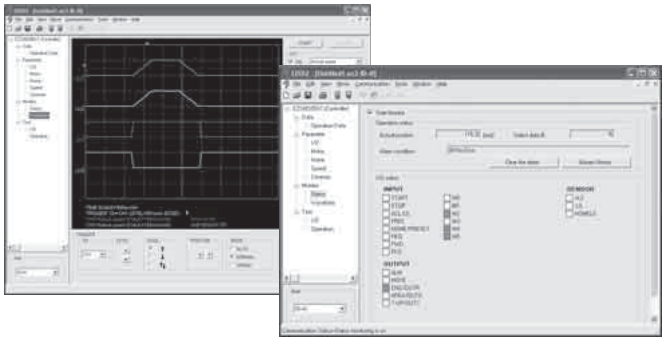
Data Editing Software RoHS

With this software, you can set and edit various data on a PC. It comes with a PC interface cable for connecting the linear motion controller and PC. The software also provides various monitoring functions.

Product Line

Model
EZED2

● Ver 1.30 or later



PC Interface Cable

A 5 m cable with a D-sub 9 connector one end for the RS-232C communications between the PC and the linear motion controller.

Specifications (Operating environment)

Item	Model: **EZED2**
Operating Software	Microsoft® Windows® 2000 Professional Service Pack 4 or later (hereinafter referred to as "Windows® 2000") Microsoft® Windows® XP Home Edition Service Pack 2 or later (hereinafter referred to as "Windows® XP") Microsoft® Windows® XP Professional Edition Service Pack 2 or later (hereinafter referred to as "Windows® XP") Microsoft® Windows® XP Media Center Edition 2004 Service Pack 2 or later (hereinafter referred to as "Windows® XP") Microsoft® Windows® XP Media Center Edition 2005 Service Pack 2 or later (hereinafter referred to as "Windows® XP") Microsoft® Windows® 98 Service Pack 1 or later* (hereinafter referred to as "Windows® 98") Microsoft® Windows® 98 Second Edition* (hereinafter referred to as "Windows® 98") Microsoft® Windows® Millennium Edition* (hereinafter referred to as "Windows® Me")
Memory	Windows® 2000: 128 MB or more (192 MB or more is recommended.) Windows® XP Home Edition or Professional Edition: 256 MB or more Windows® XP Media Center Edition 2004 or 2005: 320 MB or more Windows® 98: 64 MB or more (128 MB or more is recommended.) Windows® 98 Second Edition: 64 MB or more (128 MB or more is recommended.) Windows® Me: 96 MB or more (160 MB or more is recommended.)
Computer	Pentium® Ⅲ 500 MHz or more (The OS must be supported.), Compatible with only single-processor
Display Resolution	XGA (1024×768) or higher resolution video adapter and monitor
Free Hard Disk Space	Free disk space of 60 MB or more
Serial Port	RS-232C port, 1 channel
Disk Device	CD-ROM drive

* Microsoft® Internet Explorer 5.01 or later is also required.

● Service Pack signifies a service pack provided by Microsoft Corporation.

● Microsoft and Windows are registered trademarks of Microsoft Corporation in the United States and other countries.

● Pentium is a trademark or registered trademark of Intel Corporation or its subsidiaries in the United States and other countries.

Teaching Pendant (EZT1)/ Data Editing Software (EZED2) Function Comparison Table

Function	Item	
	Teaching Pendant (Model: **EZT1**)	Data Editing Software (Model: **EZED2**)
Cable Length	5 m	5 m*1
Display	LCD 17 characters × 4 lines	PC screen
Emergency Stop Button	○	×
Operation Data Setting	○	○
Parameter Setting	○	○
Teaching Function (Direct/remote)	○	○
Operation Data Monitoring	○	○
I/O Monitoring	○	○
Waveform Monitoring	×	○
Test Operation	○	○
Data Copy	×	○
Printing Function	×	○*2

○: Available ×: Not available

*1 PC interface cable (included) is used.

*2 The printing function is not available on computers running Windows® 98/Me.

Driver — Sensor Cable

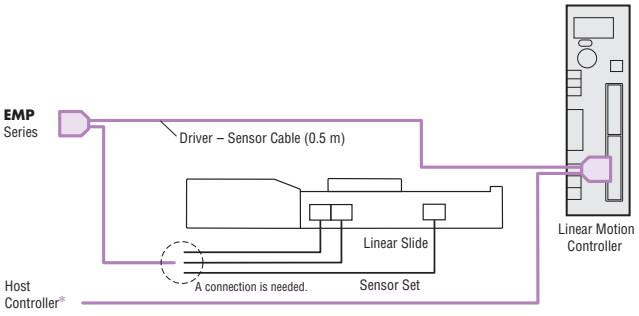
This product does not conform to the RoHS Directive.

This cable is used for connecting the linear motion controller and **EMP** Series controller.

Product Line

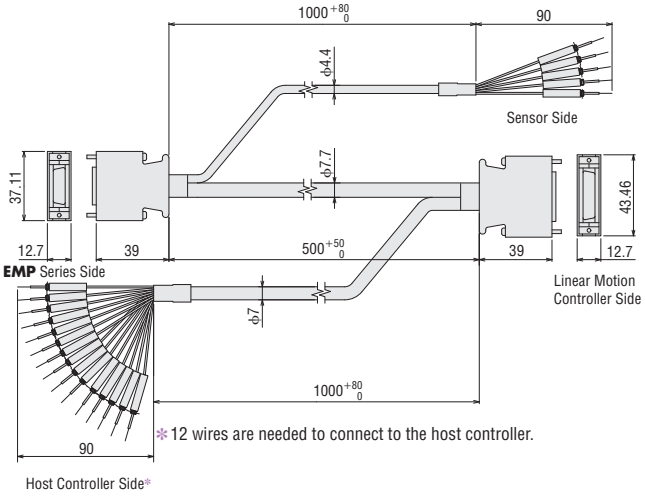
Model	Length	Applicable **EMP** Series
CC005EZ6-EMPD	0.5 m	**EMP400** Series

● The current position output function, MOVE output and HMSTOP input of the linear motion controller are not available. To use the current position output function, use the I/O cable **CC36D□-1** or connector – terminal block conversion unit **CC36T1**, and implement control from the host controller.



✻ The following signals are connected to the host controller:
A-phase/B-phase pulse, alarm clear, motor non-excitation/electromagnetic brake release, preset, all windings off

Dimensions Unit = mm



✻ 12 wires are needed to connect to the host controller.

Battery Set RoHS

This battery set is needed to use the linear motion controller in the absolute system. A dedicated battery holder is included.

Product Line

Model
PAEZ-BT2H

Specifications

Item	Model: **PAEZ-BT2H**
Battery Type	Cylindrical sealed nickel-cadmium storage cell
Nominal Voltage	2.4 V
Rated Capacity	2000 mAh
Mass	180 g
Life	Approx. 4 years✻1 ✻2 ✻3
Data Retention Period	Approx. 360 hours (Approx. 15 days)✻1 ✻4
Ambient Temperature	0～+40℃ (non-freezing)
Ambient Humidity	20～85%

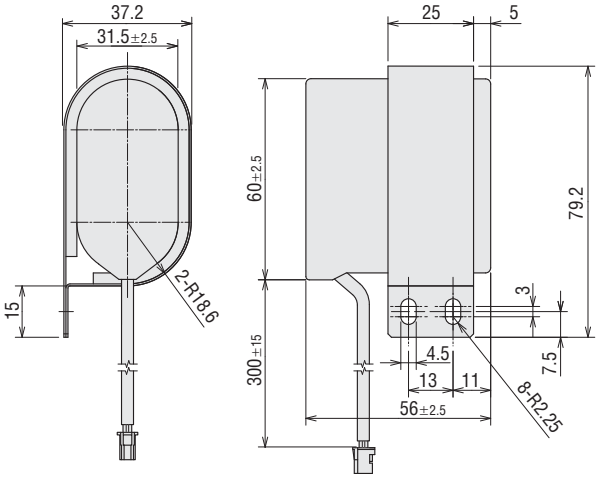
✻1 At an ambient temperature of 20℃
✻2 Calculated by assuming the following conditions of use (one-week cycle)
The battery is charged for eight hours and used for 16 hours to back up data six days in a week.
The battery is used to back up data for all 24 hours one day in a week.
✻3 The battery that came with the product is not charged. Charge the battery for at least 48 hours before using it.
✻4 After the power is cut off with the battery fully charged.

The **EZ limo** used as an absolute system, uses Ni-Cd rechargeable batteries. Disposal of the used batteries is subject to each country's regulations on environmental control. Please contact Oriental Motor if you have any questions regarding disposal of the batteries.

Dimensions Unit = mm

Mass: 0.18 kg

DXF D488



DIN Rail Mounting Plate RoHS

This mounting plate is convenient for installing the linear motion controller on DIN rails easily. (Mounting screws are included.)

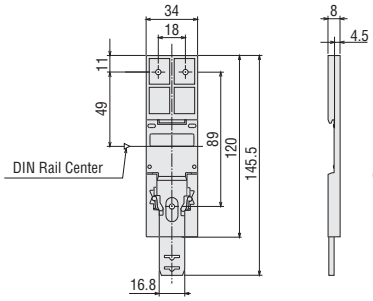
Product Line

Model
PADP01

DIN Rail Mounting Plate

Dimensions Unit = mm

Mass: 20 g



● Screws (Included)
M3P0.5 Length 8 mm ··· 3 pieces

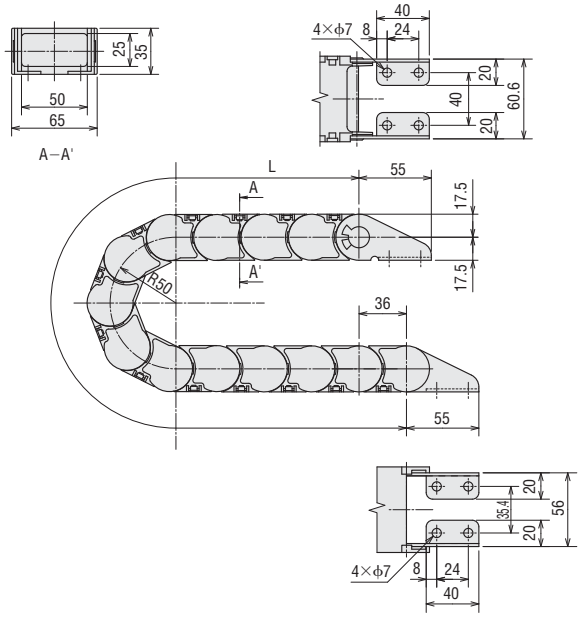
Cable Holders RoHS

This cable holder protects and guides cables in dual or three axes combinations.
It can be combined with the mounting bracket of the **EZSII** Series.

Product Line

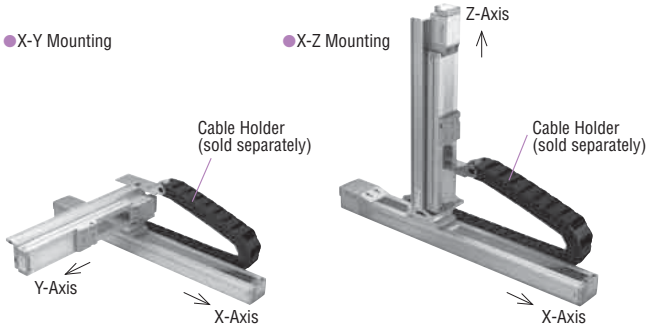
Linear Slide Stroke [mm]	Applicable Cable Holder	
	Length (L) [mm]	Model
50	396	**PACH65-11**
100	468	**PACH65-13**
150	504	**PACH65-14**
200	540	**PACH65-15**
250	612	**PACH65-17**
300	648	**PACH65-18**
350	720	**PACH65-20**
400	756	**PACH65-21**
450	792	**PACH65-22**
500	864	**PACH65-24**
550	900	**PACH65-25**
600	972	**PACH65-27**
650	1008	**PACH65-28**
700	1044	**PACH65-29**
750	1116	**PACH65-31**
800	1152	**PACH65-32**
850	1224	**PACH65-34**

Dimensions Unit = mm



Dual Axes Mounting Brackets RoHS

Mounting brackets for using two axes of the **EZSII** Series motorized linear slides.



Features

◇Biaxial Configuration Can be Easily Implemented with the EZSII Series.

Using the dedicated mounting brackets allows you to use two motorized linear slides in a biaxial configuration. Various combinations are available such as X-Y or X-Z.

Available Combinations

X-Y Mounting

X-Axis	Y-Axis	Transportable Mass (kg)
EZS4D	**EZS3D**	2.3 or less
EZS6D	**EZS3D**	5.7 or less
EZS6D	**EZS4D**	12.7 or less

X-Z Mounting

X-Axis	Z-Axis	Transportable Mass (kg)
EZS4D	**EZS3D**	3.5 or less
EZS6D	**EZS3D**	3.5 or less
EZS6D	**EZS4D**	6.7 or less

- The maximum length of a linear slide for the second axis (Y and Z) is 300 mm.
- Specification values are based on those when the X-axis is mounted horizontally.

Product Number Code

PAB - S4 S3 R 005

① ② ③ ④ ⑤

①	Dual Axes Mounting Bracket	
②	First Axis Linear Slide	**S4**: **EZS4D** **S6**: **EZS6D**
③	Second Axis Linear Slide	**S3**: **EZS3D** **S4**: **EZS4D**
④	Combination Patterns	**R**: **R**-Type **L** : **L** -Type
⑤	Stroke on Second Axis	

- First axis refers to X-axis, while second axis refers to Y- or Z-axis.

Product Line

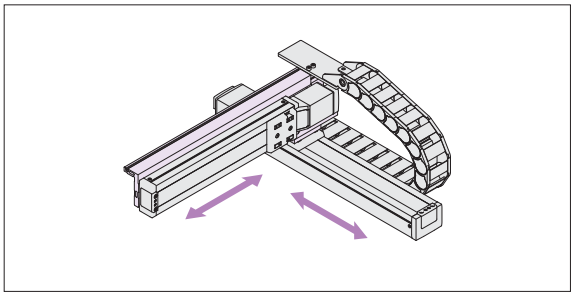
Combination of **EZS4** and **EZS3**		Combination of **EZS6** and **EZS3**		Combination of **EZS6** and **EZS4**	
R-Type	**L**-Type	**R**-Type	**L**-Type	**R**-Type	**L**-Type
PAB-S4S3R005	**PAB-S4S3L005**	**PAB-S6S3R005**	**PAB-S6S3L005**	**PAB-S6S4R005**	**PAB-S6S4L005**
PAB-S4S3R010	**PAB-S4S3L010**	**PAB-S6S3R010**	**PAB-S6S3L010**	**PAB-S6S4R010**	**PAB-S6S4L010**
PAB-S4S3R015	**PAB-S4S3L015**	**PAB-S6S3R015**	**PAB-S6S3L015**	**PAB-S6S4R015**	**PAB-S6S4L015**
PAB-S4S3R020	**PAB-S4S3L020**	**PAB-S6S3R020**	**PAB-S6S3L020**	**PAB-S6S4R020**	**PAB-S6S4L020**
PAB-S4S3R025	**PAB-S4S3L025**	**PAB-S6S3R025**	**PAB-S6S3L025**	**PAB-S6S4R025**	**PAB-S6S4L025**
PAB-S4S3R030	**PAB-S4S3L030**	**PAB-S6S3R030**	**PAB-S6S3L030**	**PAB-S6S4R030**	**PAB-S6S4L030**

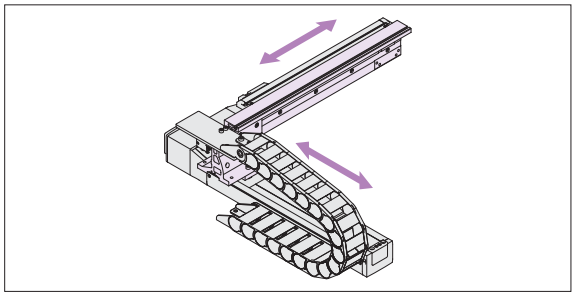
Combination Patterns

●**R**-Type

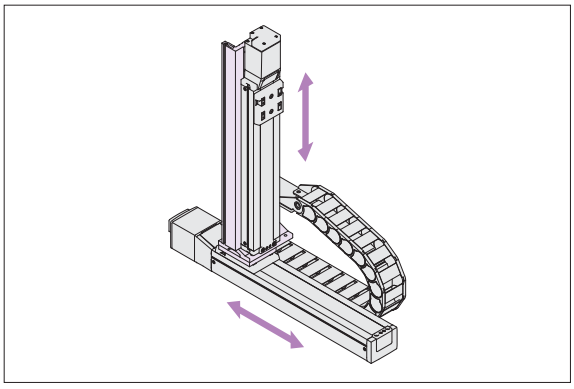
PAB-S4S3R□
PAB-S6S3R□
PAB-S6S4R□

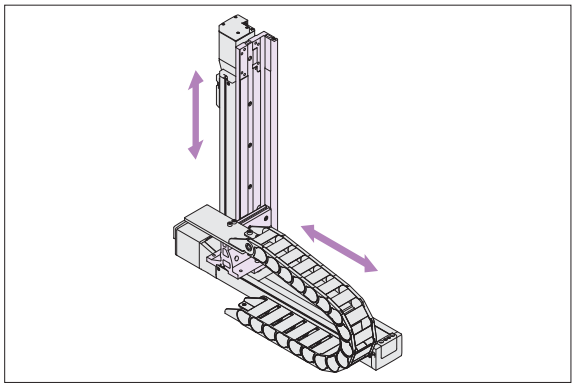
◇X-Y





◇X-Z

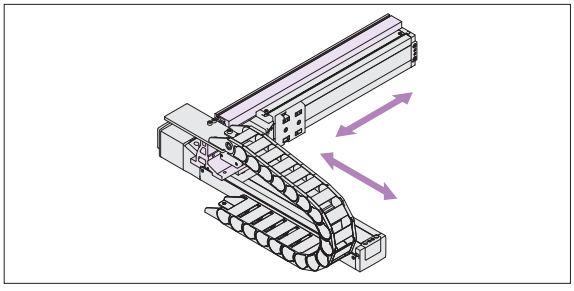


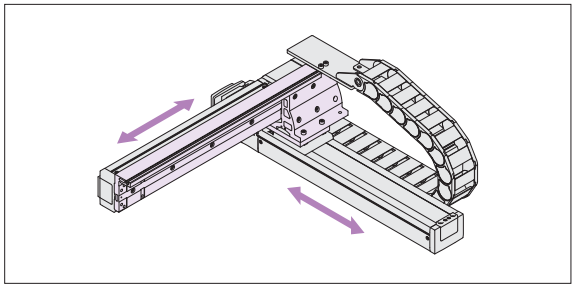


●**L**-Type

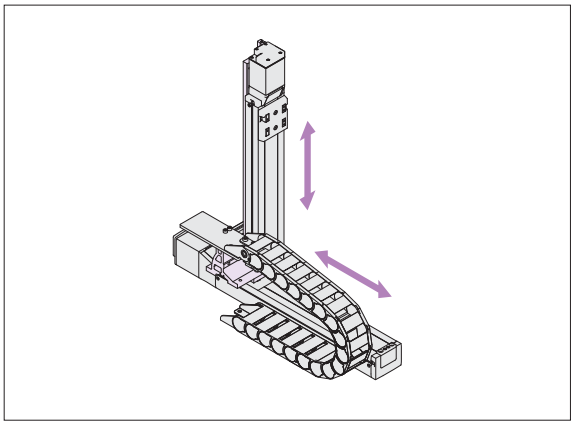
PAB-S4S3L□
PAB-S6S3L□
PAB-S6S4L□

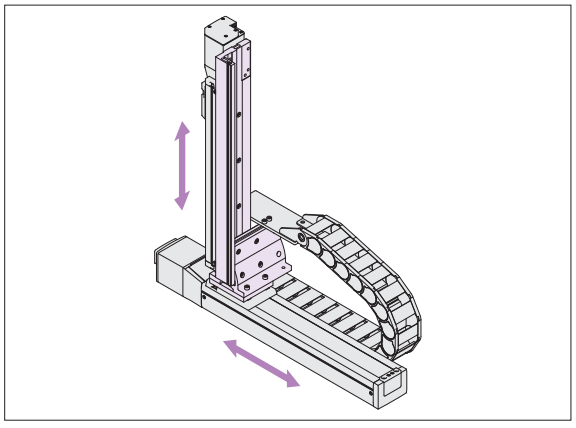
◇X-Y





◇X-Z

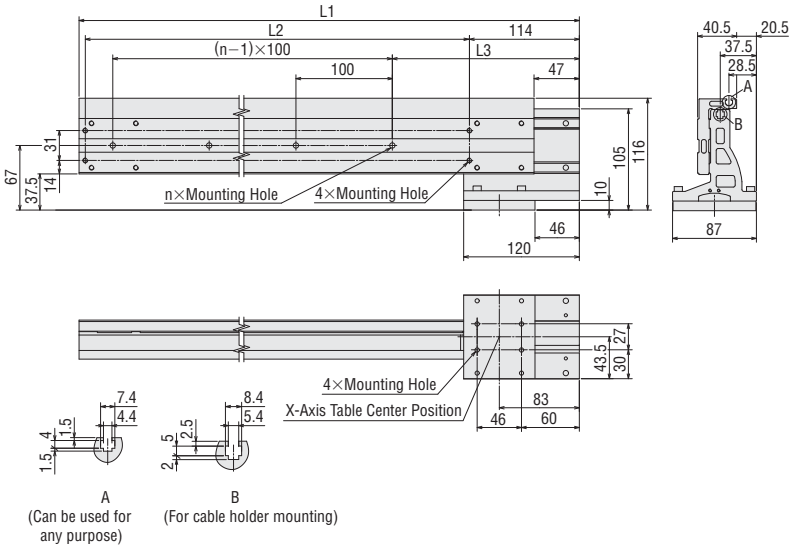




●Dimensions Unit = mm

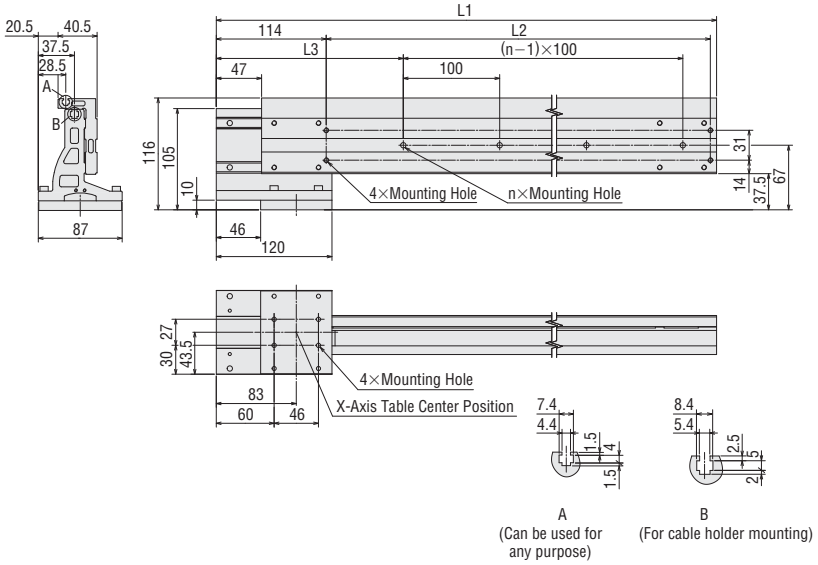
◇X-Y (Combination of **EZS4** and **EZS3**)

•**R**-Type



Model	Stroke	L1	L2	L3	n	Mass [kg]	DXF
PAB-S4S3R005	50	279	158.5	144	2	1.58	D979
PAB-S4S3R010	100	329	208.5	194	2	1.72	D980
PAB-S4S3R015	150	379	258.5	144	3	1.86	D981
PAB-S4S3R020	200	429	308.5	194	3	2.00	D982
PAB-S4S3R025	250	479	358.5	144	4	2.14	D983
PAB-S4S3R030	300	529	408.5	194	4	2.27	D984

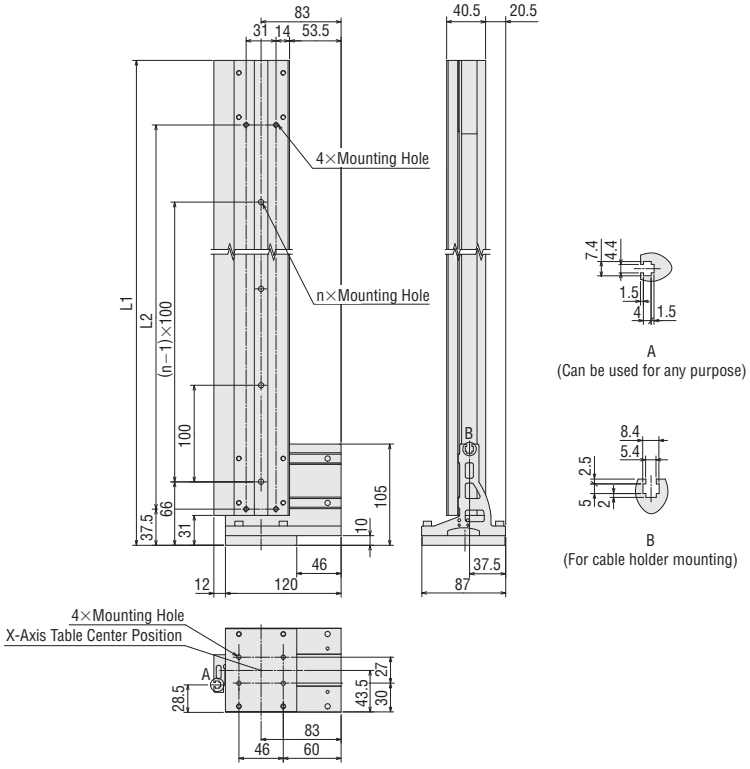
•**L**-Type



Model	Stroke	L1	L2	L3	n	Mass [kg]	DXF
PAB-S4S3L005	50	279	158.5	144	2	1.58	D985
PAB-S4S3L010	100	329	208.5	194	2	1.72	D986
PAB-S4S3L015	150	379	258.5	144	3	1.86	D987
PAB-S4S3L020	200	429	308.5	194	3	2.00	D988
PAB-S4S3L025	250	479	358.5	144	4	2.14	D989
PAB-S4S3L030	300	529	408.5	194	4	2.27	D990

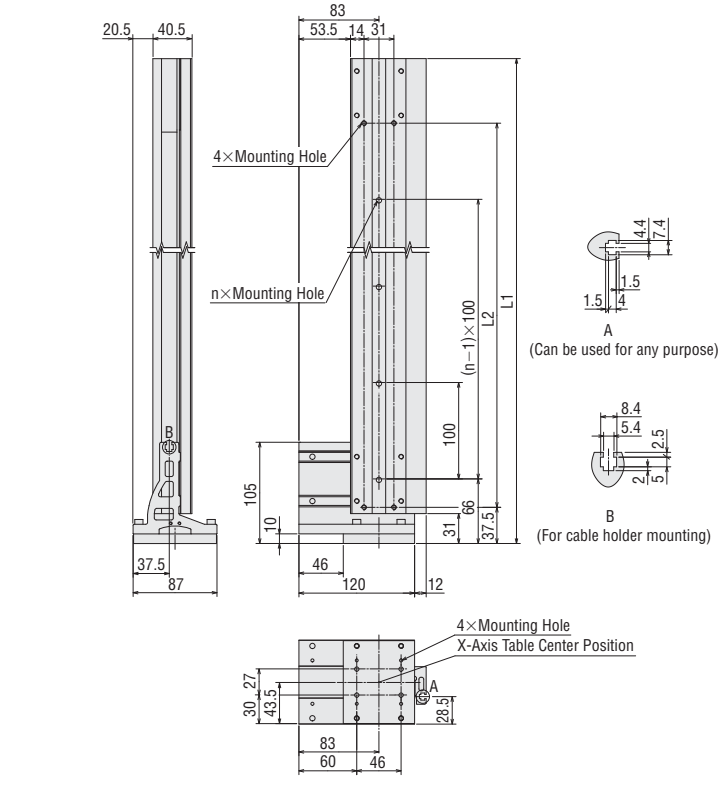
◇X-Z (Combination of **EZS4** and **EZS3**)

•**R**-Type



Model	Stroke	L1	L2	n	Mass [kg]	DXF
PAB-S4S3R005	50	263	158.5	2	1.58	D991
PAB-S4S3R010	100	313	208.5	2	1.72	D992
PAB-S4S3R015	150	363	258.5	3	1.86	D993
PAB-S4S3R020	200	413	308.5	3	2.00	D994
PAB-S4S3R025	250	463	358.5	4	2.14	D995
PAB-S4S3R030	300	513	408.5	4	2.27	D996

•**L**-Type

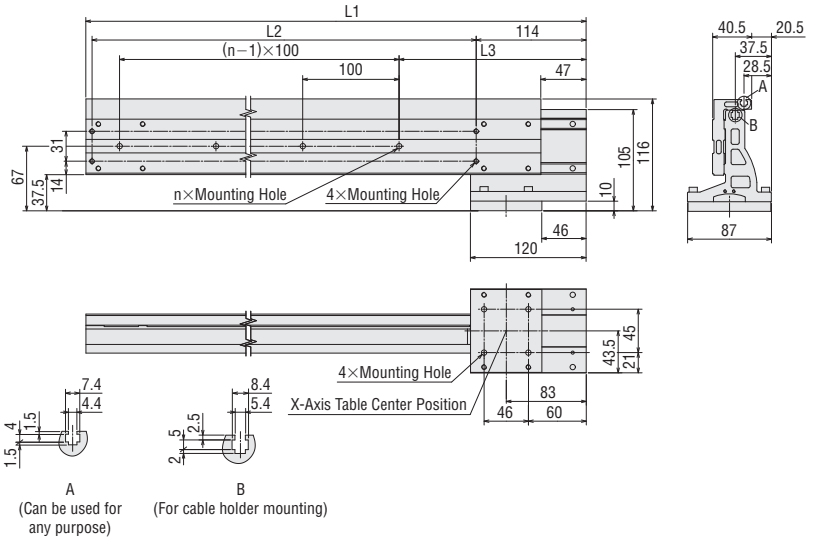


Model	Stroke	L1	L2	n	Mass [kg]	DXF
PAB-S4S3L005	50	263	158.5	2	1.58	D997
PAB-S4S3L010	100	313	208.5	2	1.72	D998
PAB-S4S3L015	150	363	258.5	3	1.86	D999
PAB-S4S3L020	200	413	308.5	3	2.00	D1000
PAB-S4S3L025	250	463	358.5	4	2.14	D1001
PAB-S4S3L030	300	513	408.5	4	2.27	D1002

●Dimensions Unit = mm

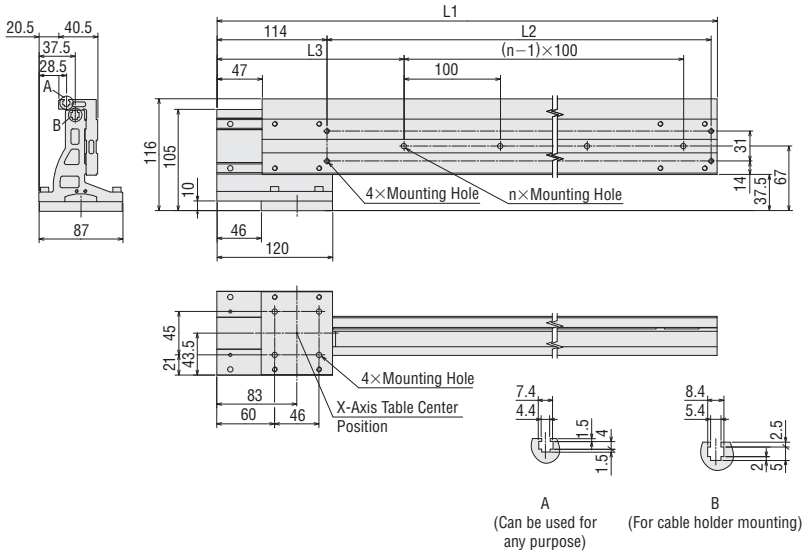
◇X-Y (Combination of **EZS6** and **EZS3**)

•**R**-Type



Model	Stroke	L1	L2	L3	n	Mass [kg]	DXF
PAB-S6S3R005	50	279	158.5	144	2	1.58	D1003
PAB-S6S3R010	100	329	208.5	194	2	1.72	D1004
PAB-S6S3R015	150	379	258.5	144	3	1.86	D1005
PAB-S6S3R020	200	429	308.5	194	3	2.00	D1006
PAB-S6S3R025	250	479	358.5	144	4	2.14	D1007
PAB-S6S3R030	300	529	408.5	194	4	2.27	D1008

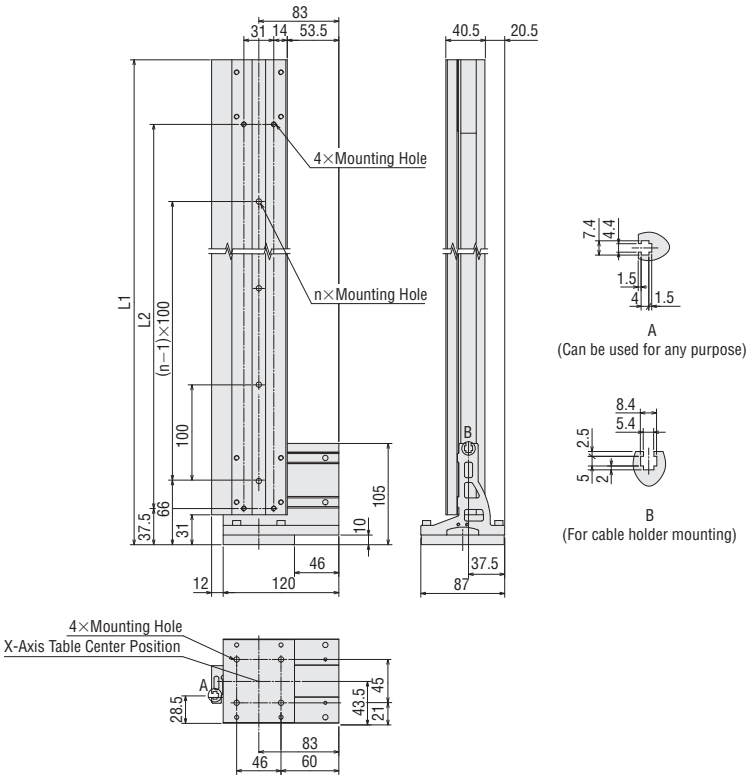
•**L**-Type



Model	Stroke	L1	L2	L3	n	Mass [kg]	DXF
PAB-S6S3L005	50	279	158.5	144	2	1.58	D1009
PAB-S6S3L010	100	329	208.5	194	2	1.72	D1010
PAB-S6S3L015	150	379	258.5	144	3	1.86	D1011
PAB-S6S3L020	200	429	308.5	194	3	2.00	D1012
PAB-S6S3L025	250	479	358.5	144	4	2.14	D1013
PAB-S6S3L030	300	529	408.5	194	4	2.27	D1014

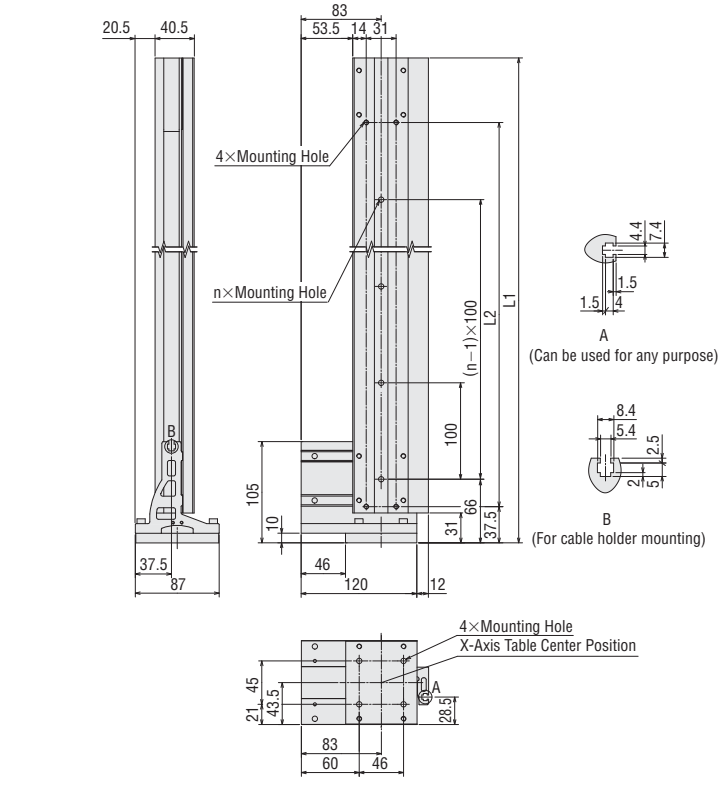
◇X-Z (Combination of **EZS6** and **EZS3**)

•**R**-Type



Model	Stroke	L1	L2	n	Mass [kg]	DXF
PAB-S6S3R005	50	263	158.5	2	1.58	D1015
PAB-S6S3R010	100	313	208.5	2	1.72	D1016
PAB-S6S3R015	150	363	258.5	3	1.86	D1017
PAB-S6S3R020	200	413	308.5	3	2.00	D1018
PAB-S6S3R025	250	463	358.5	4	2.14	D1019
PAB-S6S3R030	300	513	408.5	4	2.27	D1020

•**L**-Type

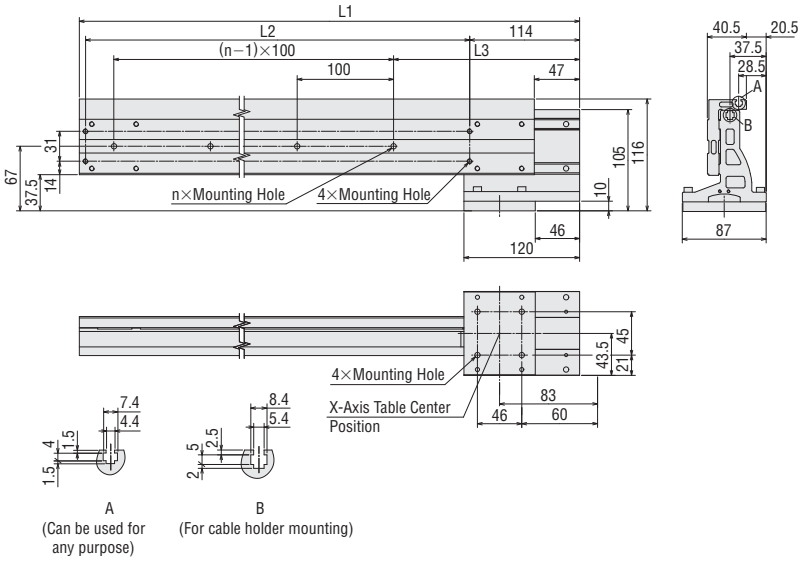


Model	Stroke	L1	L2	n	Mass [kg]	DXF
PAB-S6S3L005	50	263	158.5	2	1.58	D1021
PAB-S6S3L010	100	313	208.5	2	1.72	D1022
PAB-S6S3L015	150	363	258.5	3	1.86	D1023
PAB-S6S3L020	200	413	308.5	3	2.00	D1024
PAB-S6S3L025	250	463	358.5	4	2.14	D1025
PAB-S6S3L030	300	513	408.5	4	2.27	D1026

Dimensions Unit = mm

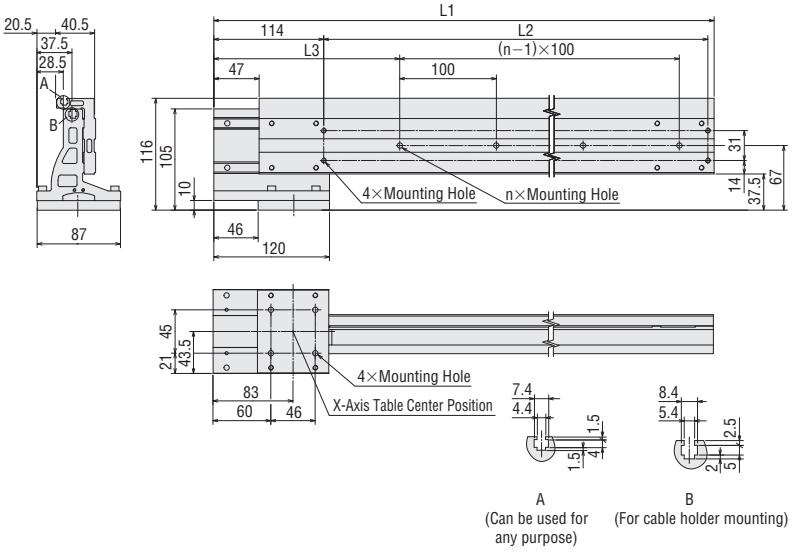
◇X-Y (Combination of **EZS6** and **EZS4**)

•**R**-Type



Model	Stroke	L1	L2	L3	n	Mass [kg]	DXF
PAB-S6S4R005	50	279	158.5	143	2	1.58	D1027
PAB-S6S4R010	100	329	208.5	193	2	1.72	D1028
PAB-S6S4R015	150	379	258.5	143	3	1.86	D1029
PAB-S6S4R020	200	429	308.5	193	3	2.00	D1030
PAB-S6S4R025	250	479	358.5	143	4	2.14	D1031
PAB-S6S4R030	300	529	408.5	193	4	2.27	D1032

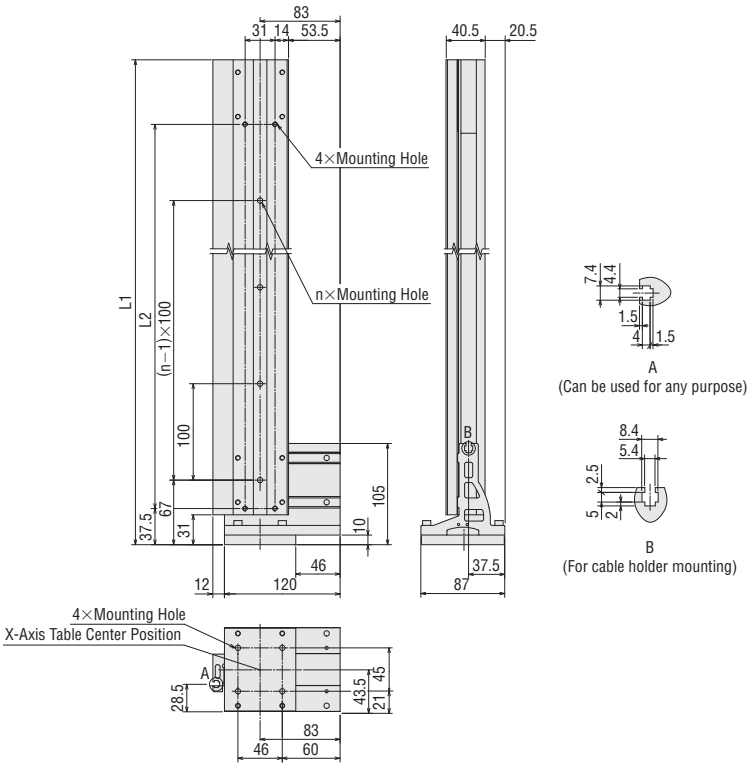
•**L**-Type



Model	Stroke	L1	L2	L3	n	Mass [kg]	DXF
PAB-S6S4L005	50	279	158.5	143	2	1.58	D1033
PAB-S6S4L010	100	329	208.5	193	2	1.72	D1034
PAB-S6S4L015	150	379	258.5	143	3	1.86	D1035
PAB-S6S4L020	200	429	308.5	193	3	2.00	D1036
PAB-S6S4L025	250	479	358.5	143	4	2.14	D1037
PAB-S6S4L030	300	529	408.5	193	4	2.27	D1038

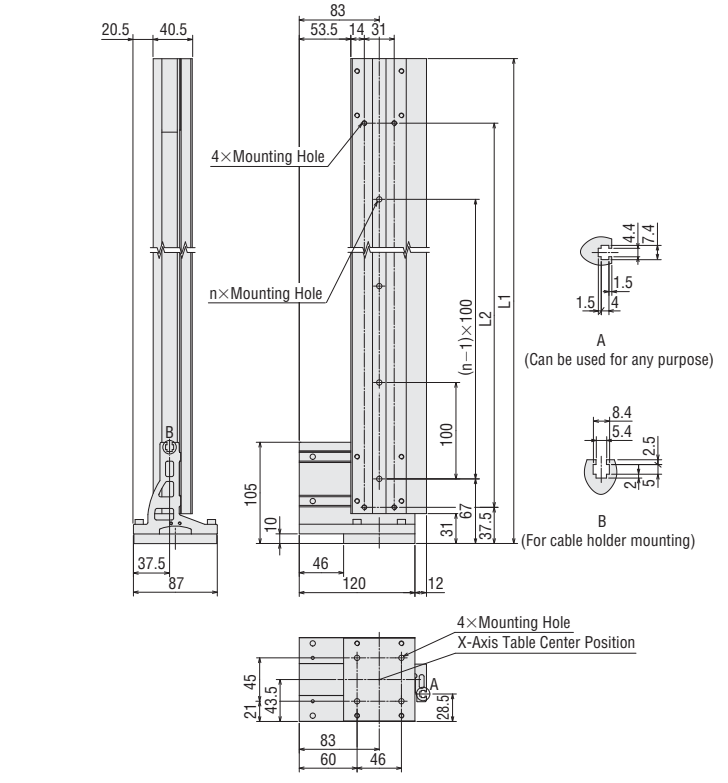
◇X-Z (Combination of **EZS6** and **EZS4**)

•**R**-Type



Model	Stroke	L1	L2	n	Mass [kg]	DXF
PAB-S6S4R005	50	263	158.5	2	1.58	D1039
PAB-S6S4R010	100	313	208.5	2	1.72	D1040
PAB-S6S4R015	150	363	258.5	3	1.86	D1041
PAB-S6S4R020	200	413	308.5	3	2.00	D1042
PAB-S6S4R025	250	463	358.5	4	2.14	D1043
PAB-S6S4R030	300	513	408.5	4	2.27	D1044

•**L**-Type

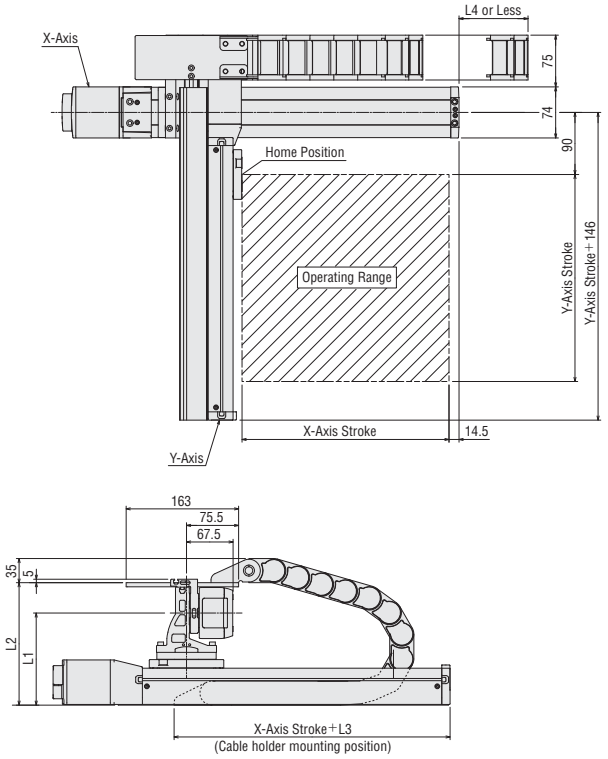


Model	Stroke	L1	L2	n	Mass [kg]	DXF
PAB-S6S4L005	50	263	158.5	2	1.58	D1045
PAB-S6S4L010	100	313	208.5	2	1.72	D1046
PAB-S6S4L015	150	363	258.5	3	1.86	D1047
PAB-S6S4L020	200	413	308.5	3	2.00	D1048
PAB-S6S4L025	250	463	358.5	4	2.14	D1049
PAB-S6S4L030	300	513	408.5	4	2.27	D1050

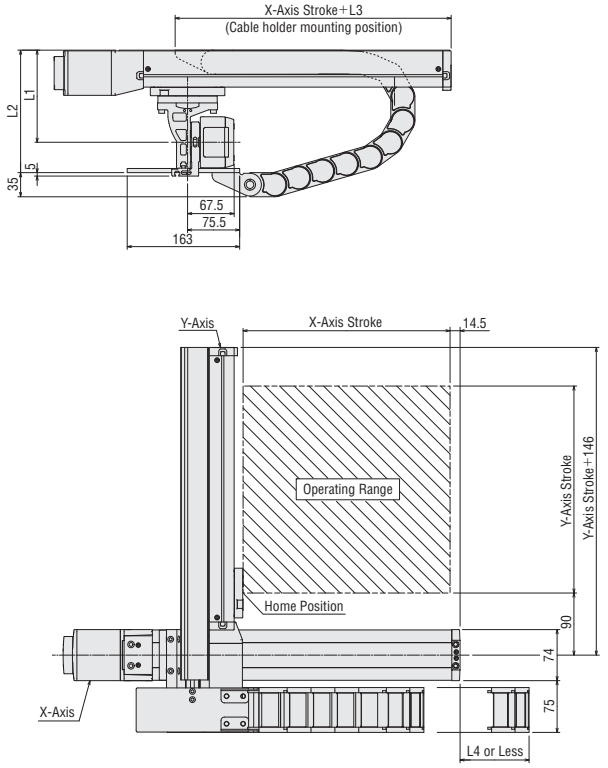
Operating Range Unit = mm

X-Y Mounting Pattern 1

◇**R**-Type



◇**L**-Type

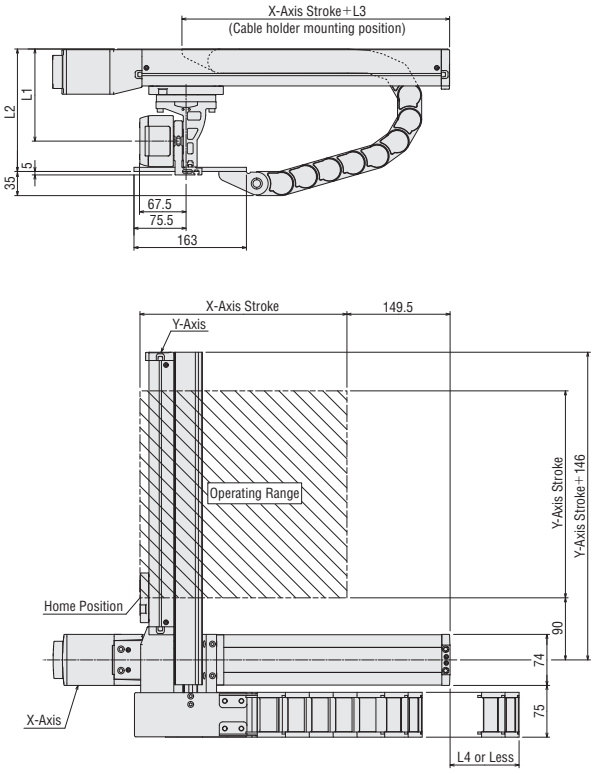


Dual Axes Mounting Bracket Model	X-Axis	Y-Axis	L1	L2	L3	L4
PAB-S4S3R(L)□□□	**EZS4**	**EZS3**	117	161	102	170
PAB-S6S3R(L)□□□	**EZS6**	**EZS3**	133.5	177.5	128	150
PAB-S6S4R(L)□□□	**EZS6**	**EZS4**	133.5	177.5	128	150

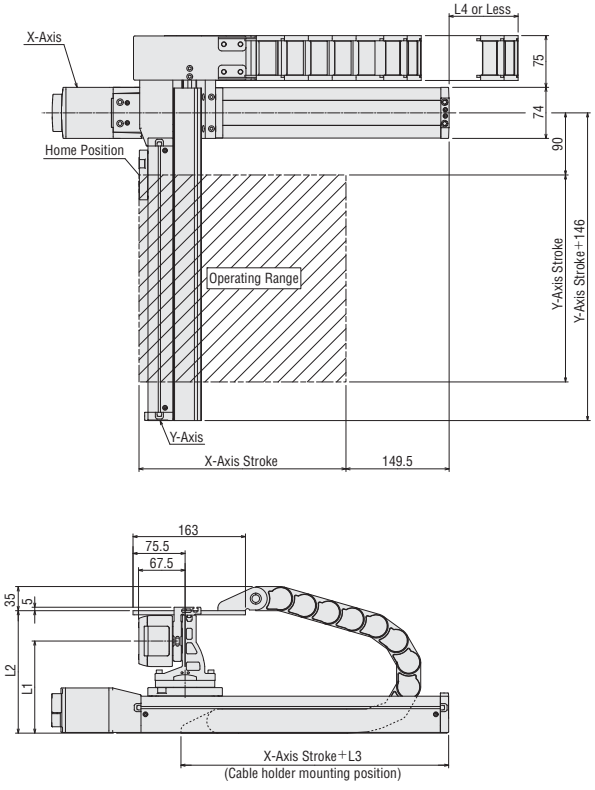
●Enter the Y-axis stroke in the box (□) within the model name.

●X-Y Mounting Pattern 2

◇R-Type



◇L-Type



Dual Axes Mounting Bracket Model	X-Axis	Y-Axis	L1	L2	L3	L4
PAB-S4S3R(L)□□□	**EZS4**	**EZS3**	117	161	90	170
PAB-S6S3R(L)□□□	**EZS6**	**EZS3**	133.5	177.5	116	150
PAB-S6S4R(L)□□□	**EZS6**	**EZS4**	133.5	177.5	116	150

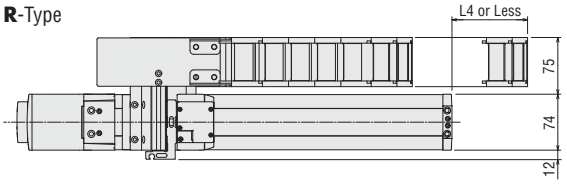
●Enter the Y-axis stroke in the box (□) within the model name.

Operating Range Unit = mm

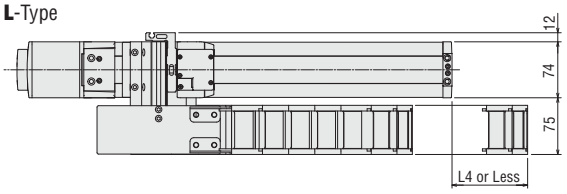
X-Z Mounting

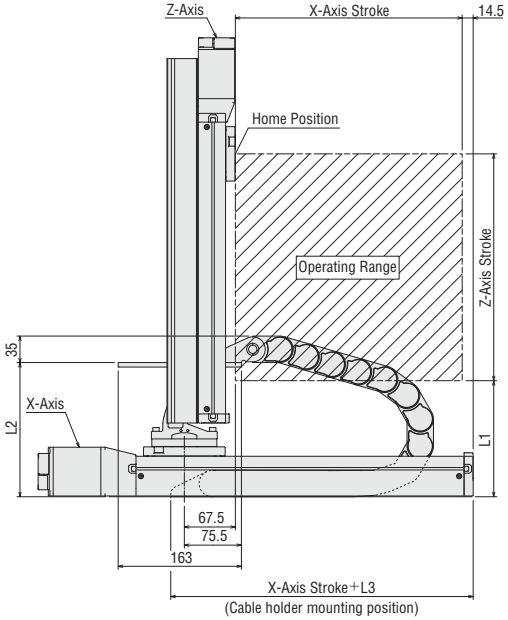
◇Pattern 1

R-Type



L-Type



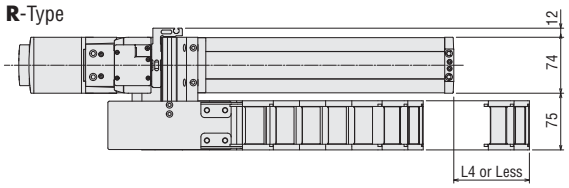


Dual Axes Mounting Bracket Model	X-Axis	Z-Axis	L1	L2	L3	L4
PAB-S4S3R(L)□□□	**EZS4**	**EZS3**	137	161	102	170
PAB-S6S3R(L)□□□	**EZS6**	**EZS3**	153.5	177.5	128	150
PAB-S6S4R(L)□□□	**EZS6**	**EZS4**	153.5	177.5	128	150

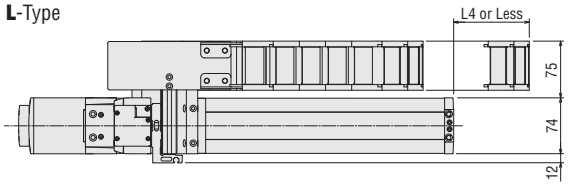
●Enter the Z-axis stroke in the box (□) within the model name.

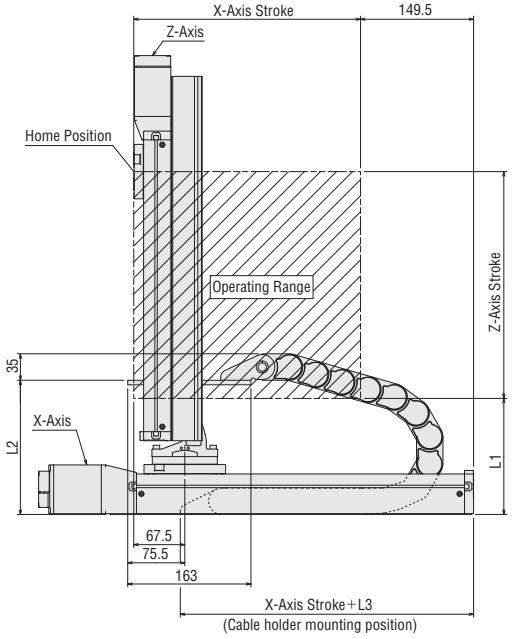
◇Pattern 2

R-Type



L-Type





Dual Axes Mounting Bracket Model	X-Axis	Z-Axis	L1	L2	L3	L4
PAB-S4S3R(L)□□□	**EZS4**	**EZS3**	137	161	90	170
PAB-S6S3R(L)□□□	**EZS6**	**EZS3**	153.5	177.5	116	150
PAB-S6S4R(L)□□□	**EZS6**	**EZS4**	153.5	177.5	116	150

●Enter the Z-axis stroke in the box (□) within the model name.

Installation

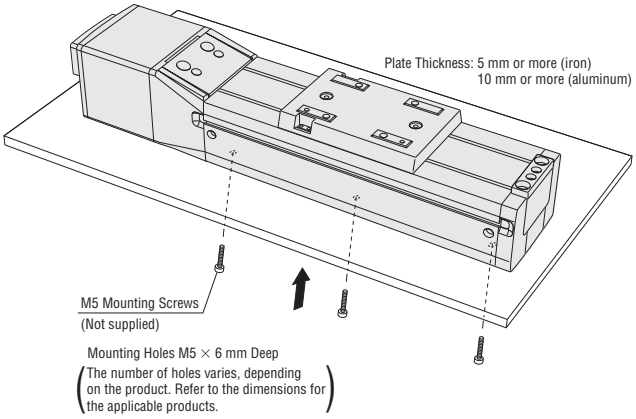
Installation of Motorized Linear Slides

Installation Method

Mount the linear slide to the mounting plate from the base side (①) or table side (②) with mounting screws. In the case of ②, the screw length should not exceed the mounting plate thickness plus 6 mm.

①Mounting from the base side

• Tightening Torque: 5 N·m

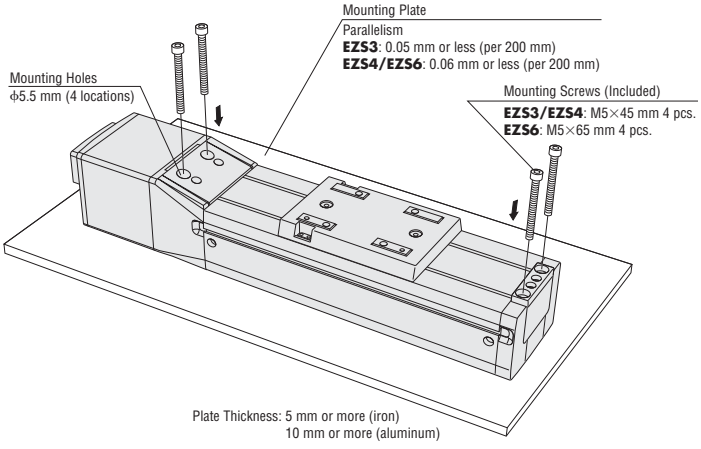


Notes:

- Ensure a parallelism of 0.06 mm (**EZS3**: 0.05 mm) or less along the mounting plate, per 200 mm of guide length.
- Unless the linear slide is installed horizontally so that a load moment is not applied, affix the linear slide using all holes provided in its bottom face.
- If the length of screws inserted into the linear slide exceeds 6 mm, the screws may contact the linear slide body and cause malfunction or damage.

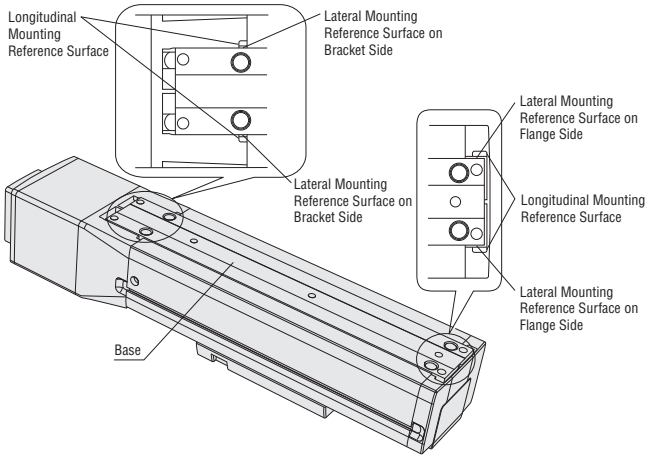
②Mounting from the table side

• Tightening Torque: 5 N·m



• How to Use Mounting Reference Surfaces

To ensure position repeatability when removing and reinstalling the linear slide, use the mounting reference surfaces provided on the base of the linear slide.



- Drive pins into the installation surface of the linear slide, and cause the mounting reference surface to contact the pins to position the linear slide.

●Installation Conditions

Install the linear slide in a location that meets the following conditions, or the product may be damaged.

- Indoors (This product is designed and manufactured to be installed within another device.)
- Ambient temperature: 0～+40°C (non-freezing)
- Ambient humidity: 85% or less (non-condensing)
- Not exposed to explosive, flammable or corrosive gases
- A well-ventilated place
- Not exposed to direct sunlight
- Not exposed to dust
- Not exposed to water, oil or other liquids
- A place where heat can escape easily
- Not exposed to continuous vibration or excessive impact

Precautions in Handling

- Do not loosen the linear slide's mounting screws or attempt to disassemble the unit.
- The accuracy and other data are measured at a constant temperature and load.
- When transporting the equipment with a load attached on the table, the table may receive external forces exceeding the allowable limit due to vibration and shock during transportation and could become damaged as a result. Therefore, firmly affix the load so that it will not move during transportation.
- Use the electromagnetic brake type in applications where the load must be held when the motor is at standstill. The electromagnetic brake cannot be used to apply braking force.

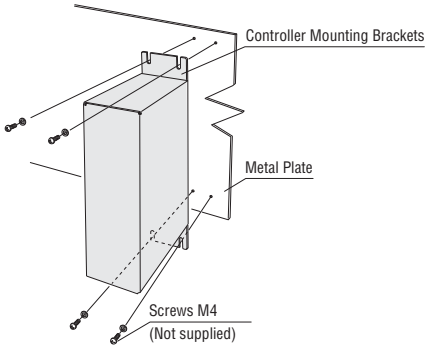
Precautions for Operation

- If sufficient motor cooling is not ensured, use a cooling fan (ORIX FAN, etc.) to provide direct (forced) cooling.
- Do not apply impact on the table. In particular, avoid stopping the table by causing it to hit a stopper, as it may result in lower accuracy, noise or malfunction.

Installation of Linear Motion Controller

●Installation Direction and Method

1. Install the controller mounting brackets over the mounting holes at the back of the controller, using the supplied screws.
2. Using the mounting holes in the controller mounting brackets and four screws, install the controller by making sure no gaps remain along the metal plate.

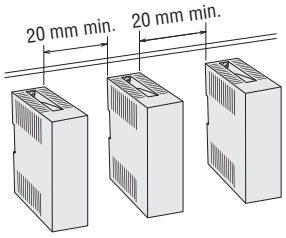


Notes:

- Install the controller vertically on a flat metal plate in the enclosure installed indoors.
- Do not use the mounting bracket holes provided at the back of the controller for any other purpose.

◇Installation Clearances

When two or more controllers are installed, the ambient temperature will increase due to rise in the temperature of each controller. Provide a minimum clearance of 20 mm between the two adjacent controllers and a minimum clearance of 20 mm between each controller and other equipment or structure in all directions. If the ambient temperature exceeds 40°C, provide forced cooling via a fan.



●Installation Conditions

Install the controller in a location that meets the following conditions, or the product may be damaged.

- Indoors (This product is designed and manufactured to be installed within another device.)
- Ambient temperature: 0～+40°C (non-freezing)
- Ambient humidity: 85% or less (non-condensing)
- Not exposed to explosive, flammable or corrosive gases
- Not exposed to direct sunlight
- Not exposed to dust
- Not exposed to water, oil or other liquids
- A place where heat can escape easily
- Not exposed to continuous vibration or excessive impact

Notes:

- When installing the controller in an enclosed space such as a control box, or somewhere close to a heat-radiating object, vent holes should be used to prevent the controller from overheating.
- Do not install the controller in a location where a source of vibration will cause the controller to vibrate.
- In situations where controllers are located close to a large noise source such as high frequency welding machines or large electromagnetic switches, take steps to prevent noise interference, either by inserting noise filters or connecting the controller to a separate circuit.
- Take care that pieces of conductive material (filings, pins, pieces of wire, etc.) do not enter the controllers.