

Linear & Rotary Actuators

Electric Linear Slides

Overview,
Product
Series

Electric
Linear
Slides

*α*STEP AR
EAS

EAS Series

*α*STEP AR Equipped

Electric
Cylinders

*α*STEP AR
EAC

DRLII

Hollow
Rotary
Actuators

*α*STEP AR
DGI

Accessories

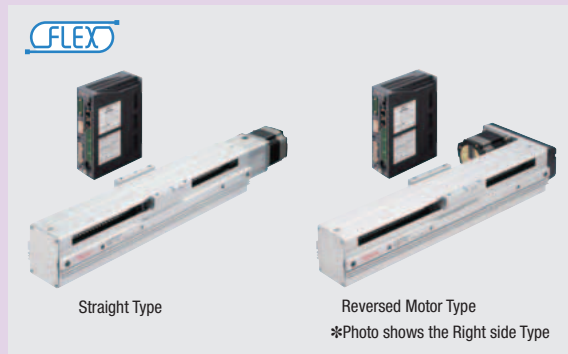
Page

Electric Linear Slides

EAS Series α STEP AR Series Equipped

<Additional Information>

- Technical reference → Page H-1
- Regulations & Standards → Page I-2



View Expanded Product Information, Specifications, CAD, Accessories & more online. Visit www.orientalmotor.com/catalog or use the QR code and select "EAS Series".

Electric linear slides that offer high performance, from low speed to high speed or with light loads or heavy loads, regardless of demanding operating conditions.

- Highly Accurate and Responsive Positioning Operation
- Compact, Powerful and Suitable for a Wide Variety of Applications
- Incorporates a Ball Screw Design
- Supports Large Transportable Mass
- Easy Belt Replacement (Reversed Motor Type)



What is FLEX?

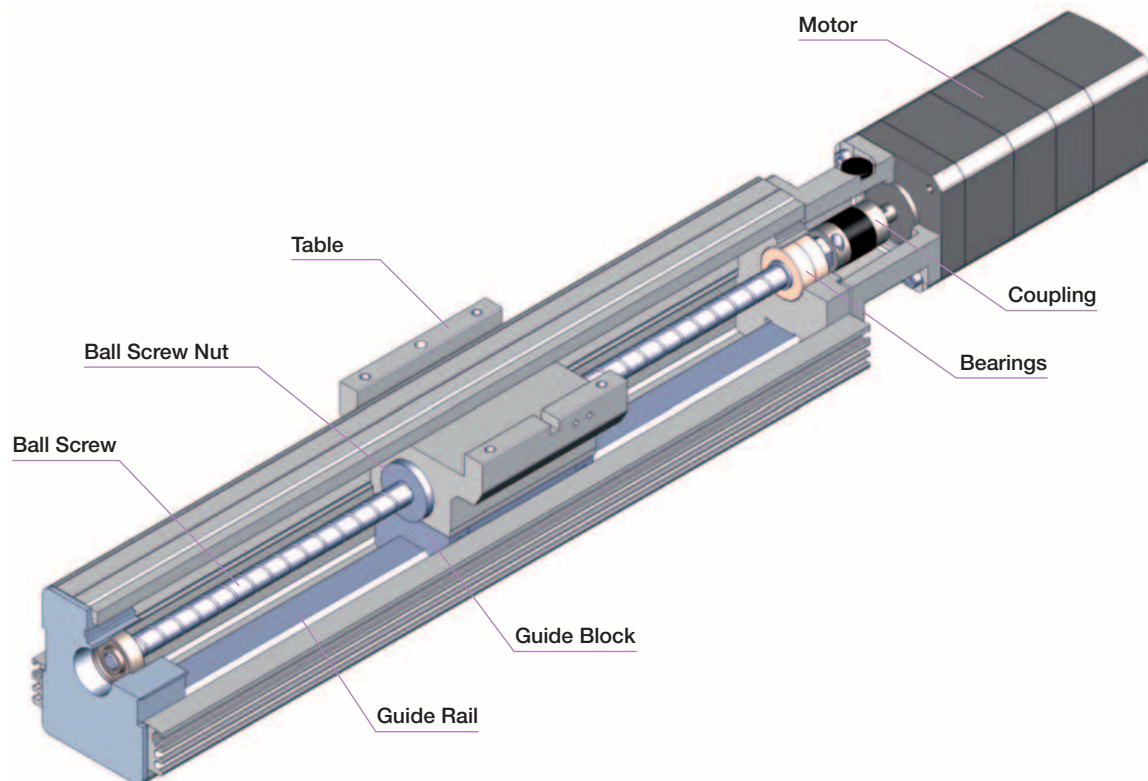
FLEX is the collective name for products that support I/O control, Modbus (RTU) control, and FA network control via network converters.

These products enable simple connection and simple control, shortening the total lead time for system construction.

Features

Highly Accurate Positioning Operation

The ball screw is rotated by a α STEP AR Series motor to drive a table fixed to a ball screw nut. The guide rail can guide accurate linear motion and support the weight of the load, making highly accurate positioning of a large load possible.



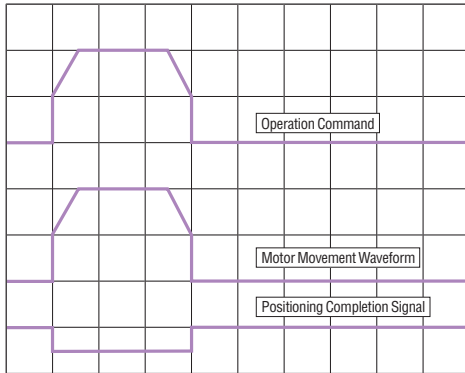
Capable of a Variety of Movements, Regardless of the Operating Conditions!

Offering the ability from low speed to high speed or with light loads or heavy loads, these electric linear slides are easier to use and offer high performance regardless of demanding operating conditions.

● Quick and Responsive

The high response of the closed loop motor and drive system provides superior short-distance positioning.

Since the **αSTEP AR** Series operates synchronously with pulse commands and generates high torque with a compact body, it offers excellent acceleration performance and response.

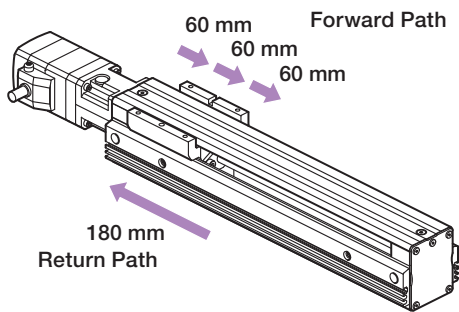


Example Product:

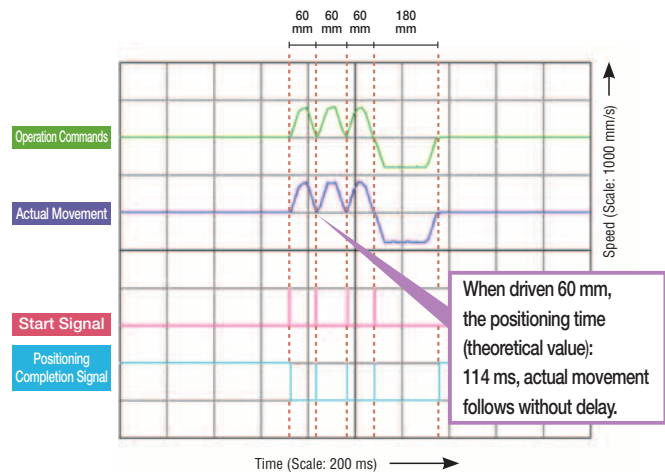
Product Name: **EAS4**
 Lead Screw Pitch: 12 mm
 Power Supply Input:
 230 VAC

Example Operation:

Horizontal Load Mass: No load
 Inching Drive: 60 mm (forward path 3 times),
 180 mm (return path once)
 Operating Speed: 800 mm/s
 Acceleration: 20 m/s² (2 G)



Actual movement of the electric linear slide in relation to operation commands



This contributes to an increase in machine throughput.

Overview,
Product
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Electric
Linear
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αSTEP AR
EAS

Electric
Cylinders

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EAC

DRLII

Hollow
Rotary
Actuators

αSTEP AR
DGII

Accessories

● High-Speed

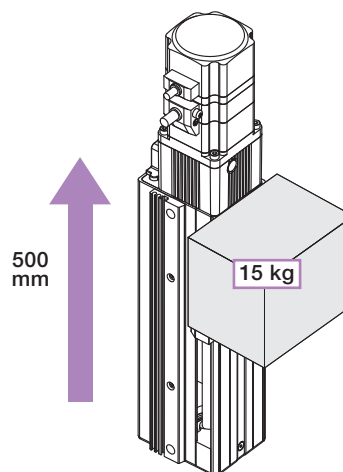
Only at Oriental Motor!

The positioning time, operating speed and acceleration can all be easily determined. The product can be selected while estimating the movement from the same graph, even under changing operating conditions such as no load or inching.

Let our technical team help find the right actuator based on your profile demands.

Example Product:
Product Name: **EAS6**
Lead Screw Pitch: 6 mm
Power Supply Input: 230 VAC

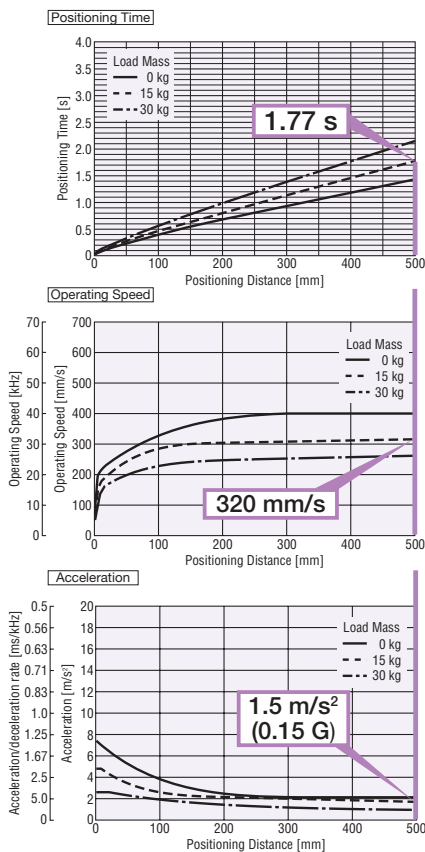
Example Operation:
Load Mass: 15 kg
Positioning Distance: 500 mm
Drive Direction: Vertical



High-Speed with a Heavy Load

High-speed is possible when transporting a heavy load in a vertical direction.

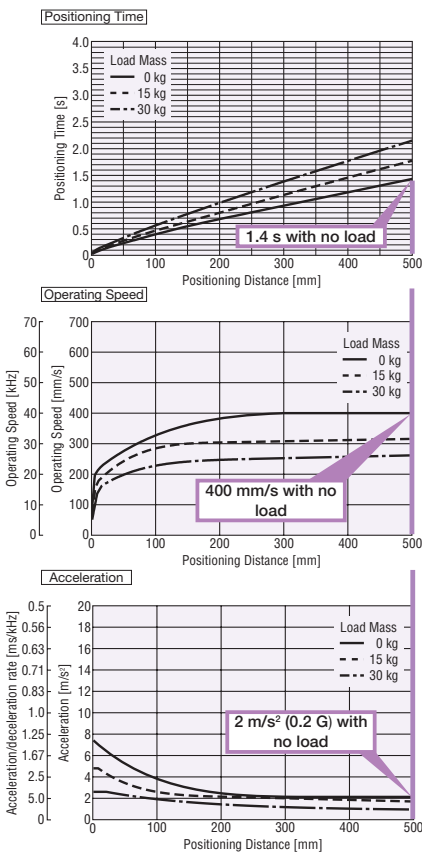
Load Mass: 15 kg
Positioning Distance: 500 mm
Positioning Time: 1.77 s
Operating Speed: 320 mm/s
Acceleration: 1.5 m/s² (0.15 G)



High-Speed with a Light Load

Operation is possible at an even higher speed when the load is absent, for example on the return.

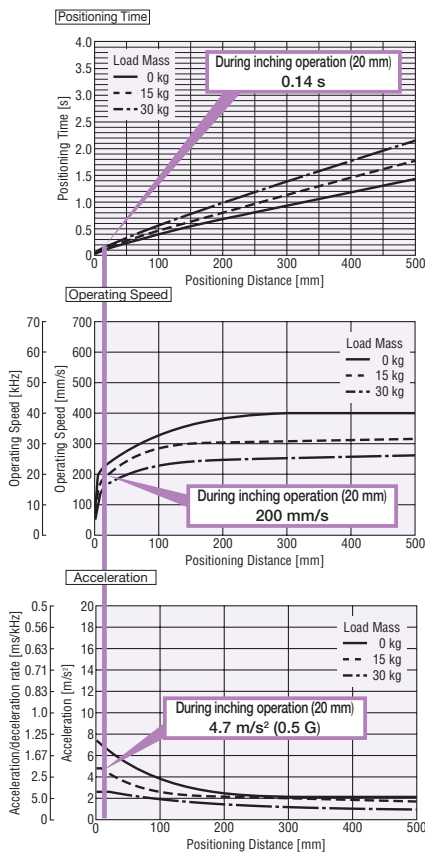
Load Mass: 0 kg
Positioning Distance: 500 mm
Positioning Time: 1.4 s
Operating Speed: 400 mm/s
Acceleration: 2 m/s² (0.2 G)



High-Speed during Inching Operation

Operation is possible at high speed during inching operation over short distances.

Load Mass: 15 kg
Positioning Distance: 20 mm
Positioning Time: 0.14 s
Operating Speed: 200 mm/s
Acceleration: 4.7 m/s² (0.5 G)



● Stability at Low Speeds

Thanks to the closed loop motor drive system smooth drive function*, resolution can be improved without a mechanical element. As a result, speed fluctuation is minimal even at low speeds, leading to improved stability.

*About the smooth drive function:

The smooth drive function automatically microsteps based on the same traveling amount and traveling speed used in the full step mode, without changing the pulse input settings.

Example Product:

Product Name: **EAS4**

Lead Screw Pitch: 12 mm

Power Supply Input: 230 VAC

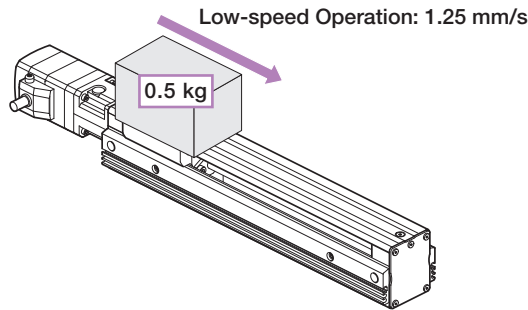
Example Operation:

Horizontal Load Mass: 0.5 kg

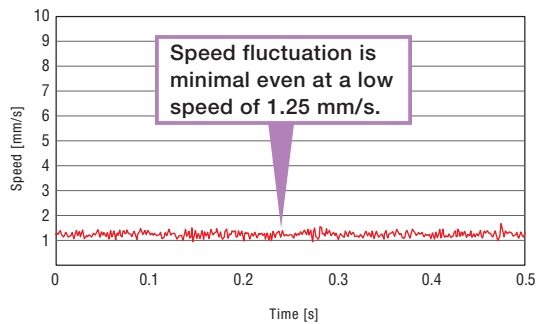
Running Current: 100%

Resolution: 0.01 mm/step

Operating Speed: 1.25 mm/s



Actual Slide Table Speed in Relation to Operation Commands (1.25 mm/s)



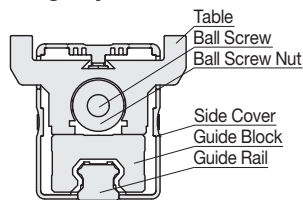
Speed fluctuations are minimal even at low speed.

Compact and Powerful!

● Compact, High Accuracy, High Rigidity Slides

This electric linear slide incorporates a ball screw and a THK-manufactured LM Guide* as the guide. Since the high-accuracy LM Guide is directly installed in the enclosure base, these slides are suitable for applications which require traveling parallelism. (Traveling parallelism 0.03 mm)

Being compact and stiff, this series is effective in supporting large transportable mass.



*"LM Guide" is a registered trademark of THK Co., Ltd.

For EAS6

◇ EAS6 Type Transportable Mass

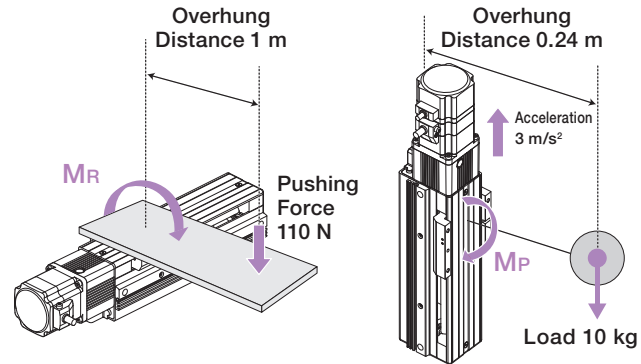
- Max. Horizontal Transportable Mass: 60 kg
- Max. Vertical Transportable Mass: 30 kg

◇ Horizontal Installation

Even if the overhung length is 1 m, a pushing force of up to 110 N is possible.

◇ Vertical Installation

If the overhung length is 0.24 m, a load of up to 10 kg may be transported.



Static Permissible Moment

The moment load permitted by the linear guide while stopped

Dynamic Permissible Moment

The moment load permitted by the linear guide during operation

The pushing force of the load are values calculated from the **EAS6** static permissible moment of 110.0 N·m and dynamic permissible moment of 31.8 N·m. (The weight of the board has not been taken into account.)

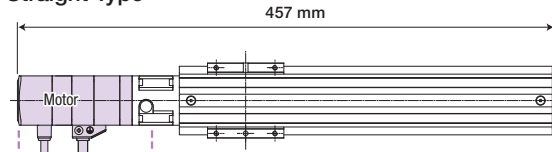
Dynamic Permissible Moment [N·m]	Mr: 31.8 Mv: 10.3 Mr: 40.6
Static Permissible Moment [N·m]	Mr: 86.0 Mv: 34.0 Mr: 110.0

● Direction of Motor Installation

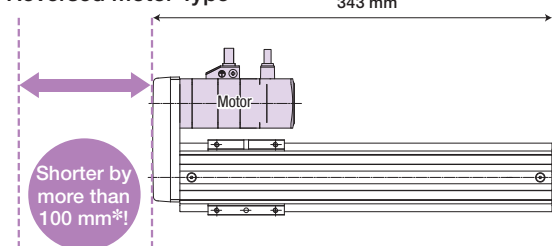
Reversed Motor types are provided for all electric linear slides. This contributes to a shorter overall length and space savings.

EAS4 with Electromagnetic Brake Type Stroke 200 mm

Straight Type



Reversed Motor Type



*When electromagnetic brake is installed

Overview, Product Series

Electric Linear Slides

αSTEP AR EAS

Electric Cylinders

αSTEP AR EAC

DRLII

Hollow Rotary Actuators

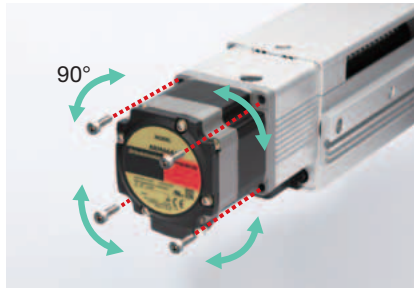
αSTEP AR DGII

Accessories

● Cable Outlet Direction

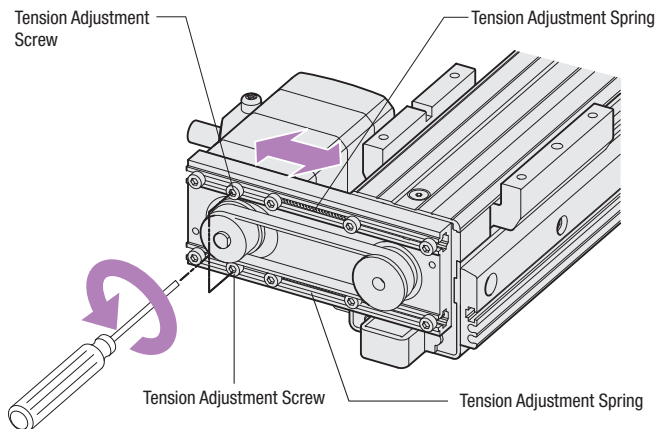
Rotatable in 4 directions (3 directions for Reversed Motor types)

Motor cable can be changed to any direction by simply rotating the motor. There is no need to leave space behind the motor since the cable outlet is on one side of the motor, allowing for easy connection and saving space.



Easy Belt Replacement (Reversed Motor Type)

Thanks to Oriental Motor's unique belt tension adjustment mechanism, belt replacement is easy.



If the screw is loosened, the belt tension is adjusted to an appropriate value by the force of the spring.

Sensor Installation (For electric linear slides)

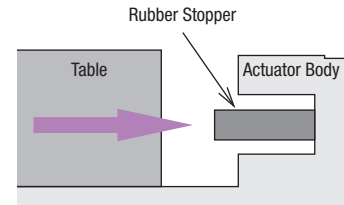
Sensor rails are equipped on both sides of the electric linear slide. The position of the sensor that is included in the sensor set (sold separately) can be secured. The sensor cable can be stored within the rail. In addition, the shield plate (included in the sensor set) can be installed on the drive table for the X-table type.

● Photo is an installation example of the X-table type. For the Y-table type, a shield plate needs to be installed on the load side.



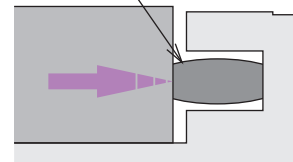
About Push Motion Return-to-Home

Push motion return-to-home has been difficult to implement at high speed because, in this type of return-to-home operation, the table is pressed against the actuator body. In addition, the table is pressed against a urethane damper, etc. to absorb shocks, which may cause positional errors over time. By developing a structure that utilizes a special rubber stopper and pushes on the end surface of the metal components, highly reliable high-speed return-to-home is possible.



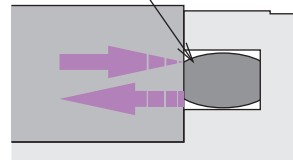
① Operate at high speed

Absorb the shock of collision.

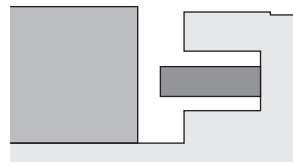


② Operate at low speed after contacting the rubber stopper

Push in completely



③ Reversed once the metal surfaces make contact.



④ Operate only for fixed amount and stop

αSTEP AR Series Equipped

EAS Series is equipped with the αSTEP AR Series motor and driver package which means a common drive platform for many actuator type applications.

For increased flexibility, utilize the Built-in Controller (Stored Data) type **FLEX** driver with the information necessary for the actuator operations built into the drive. The burden on the host PLC (Master Controller) is reduced.

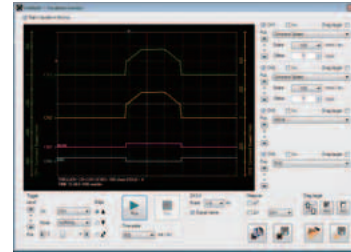
● A Variety of Products with a Unified Control Method

All products in the **AR** Series group have unified controllability.



● Data Setting Software and Control Module

The data setting software and the control module can both be used together with the **AR** Series.



Data Setting Software **MEXE02**

The data setting software can be downloaded from the website.

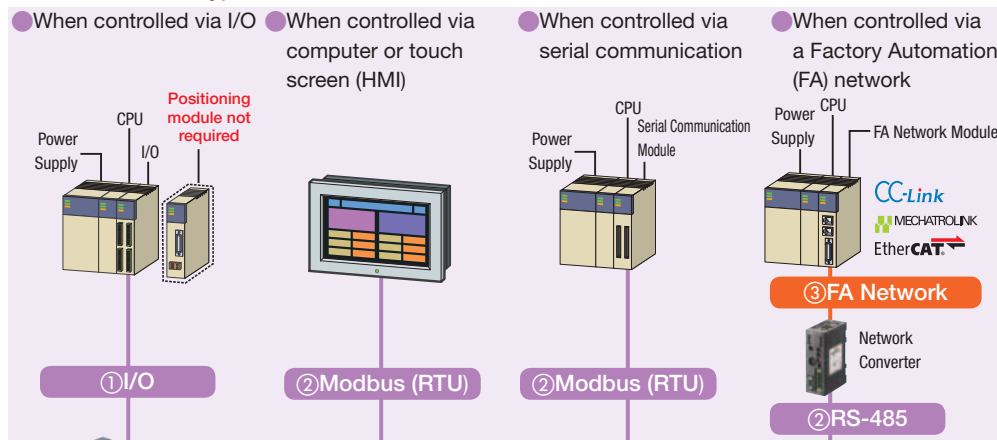


Control Module **OPX-2A** (Sold separately)

2 Driver Types Available Depending on the System Configuration

2 types of **EAS** Series drivers are available to match the requirements of the host PLC (Master Controller).

Built-in Controller Type **FLEX**



Built-in Controller (Stored Data) Type where the operating data is set in the driver, and the operating data is selected and executed from the host system. Host system connection and control is performed with ① I/O, ② Modbus (RTU)/RS-485 or ③ Factory Automation (FA) network.

- **CC-Link** is a registered trademark of the CC-Link Association and **MECHATROLINK** is a registered trademark of the MECHATROLINK Association.
- **EtherCAT** is a registered trademark licensed by Beckhoff Co., Ltd. of Germany

By using a network converter (sold separately), CC-link communication, MECHATROLINK or EtherCAT communication are possible.

Operating data, parameter settings or operation commands can be input via the various communication types.

- The burden on the programmable master controller is reduced and costs are lowered when multiple axes are used.
- Unifies slaves for compatibility with various networks.
- Can also handle group sending function between slaves.

■ **CC-Link** compatibility: Max. 12 axes.


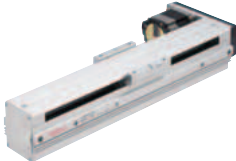


■ **MECHATROLINK** and **EtherCAT** compatibility: Max.16 axes.

Pulse Input Type



Operations are executed by inputting pulses into the driver. Motor control is carried out from the positioning module (pulse oscillator) as provided by the customer.

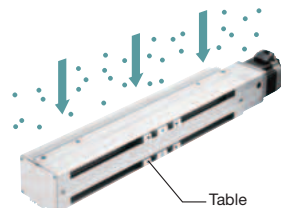
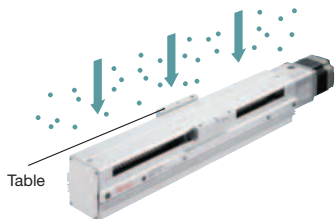
Product Line

Table	Straight Type	Reversed Motor Type (Right side / Left side)
X-Table*1		 Photo shows the right side type
Y-Table*2		 Photo shows the right side type

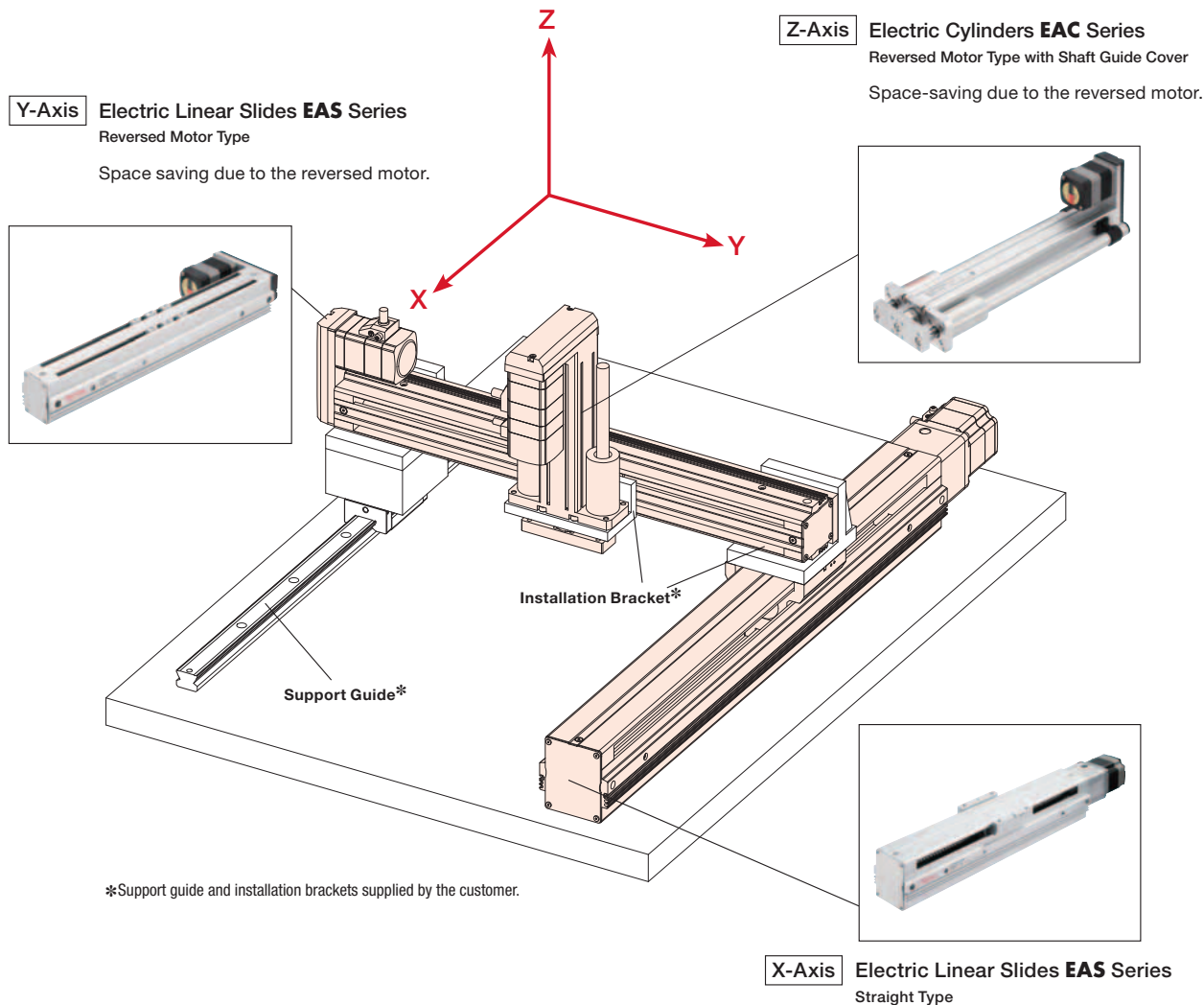
● A built-in controller type and pulse input type are available, in both AC input and DC input types.

*1 Infiltration of falling foreign particles can be reduced when installed horizontally.

*2 Infiltration of falling foreign particles can be reduced when wall-mounted.



The image below shows a three axes system using the electric linear slide **EAS** Series on the X-Y axis and the electric cylinder **EAC** Series on the Z axis.



*Support guide and installation brackets supplied by the customer.

How to Read Specifications Table

Electric Linear Slide Specifications

① Drive Method	Ball Screw	③ Resolution [P/R]	100~10000	⑤ Dynamic Permissible Moment [N·m]	M _r :16.3 M _v :4.8 M _r :15.0		
Repetitive Positioning Accuracy [mm]	±0.02	④ Traveling Parallelism [mm]	0.03	⑥ Static Permissible Moment [N·m]	M _r :58.3 M _v :16.0 M _r :53.3		
Product Name	⑦ Lead Screw Pitch [mm]	⑧ Transportable Mass [kg]		⑨ Thrust [N]	⑩ Push Force [N]	⑪ Holding Force [N]	⑫ Maximum Speed [mm/s]
		Horizontal	Vertical				
EAS4□-D□□□-ARAK□-3	12	~15	-	~70	100	70	600
EAS4□-D□□□-ARMK□-3			~7				
EAS4□-E□□□-ARAK□-3	6	~30	-	~140	200	140	300
EAS4□-E□□□-ARMK□-3			~14				

① Drive Method

Mechanism used to convert motor rotation to linear motion.

② Repetitive Positioning Accuracy

A value indicating the amount of error that is generated when positioning is performed repeatedly to the same position in the same direction.

Note

● The repetitive positioning accuracy is measured at a constant temperature under a constant load.

③ Resolution

This is the number of pulses for 1 rotation of the motor. A desired setting can be made between 100~10000 [P/R] for the motor resolution. For the resolution setting, refer to the **AR** Series User Manual.

④ Traveling Parallelism

Runout widths in the vertical and lateral directions between the installing surface of the electric linear slide and the top surface of the table.

⑤ Dynamic Permissible Moment

The load moment acts on the linear guide if the load position is offset from the center of the table. The direction of action applies to three directions (pitching (MP), yawing (MY), and rolling (MR)) depending on the position of the offset. The dynamic permissible moment is the moment allowed during operation.

⑥ Static Permissible Moment

The load moment acts on the linear guide if the load position is offset from the center of the table. The direction of action applies to three directions (pitching (MP), yawing (MY), and rolling (MR)) depending on the position of the offset. The static permissible moment is the moment allowed during static conditions.

⑦ Lead Screw Pitch

Distance the table moves linearly in one motor rotation.

⑧ Transportable Mass

● Horizontal Direction
Mass that can be moved under operating performance in the horizontal direction of the electric linear slide.

● Vertical Direction

Mass that can be moved under operating performance in the vertical direction of the electric linear slide.

Note

● Note that if a **EAS4** product with 12 mm lead screw pitch presses upward a transportable mass of 4 kg or more and returns to home position, the home position may vary.

⑨ Thrust

Force from the table that pushes the load when speed is constant.

⑩ Push Force

The pressure applied to the load during the pushing operation.

Note

● Use it with the pushing operation speed at 25 mm/s or less, and within the dynamic permissible moment. The pulse string input type has a pushing operation function, but no return-to-home pushing function.

⑪ Holding Force

Holding force when the motor is stopped or when the electromagnetic brake is operating, while power is supplied.

⑫ Maximum Speed

Maximum speed allowed when transporting the maximum transportable mass.

Note

● If DC power is supplied, the maximum speed may decrease depending on the ambient temperature and motor cable length.

Overview, Product Series

Electric Linear Slides

αSTEP AR EAS

Electric Cylinders

αSTEP AR EAC

DRLII

Hollow Rotary Actuators

αSTEP AR DGI

Accessories

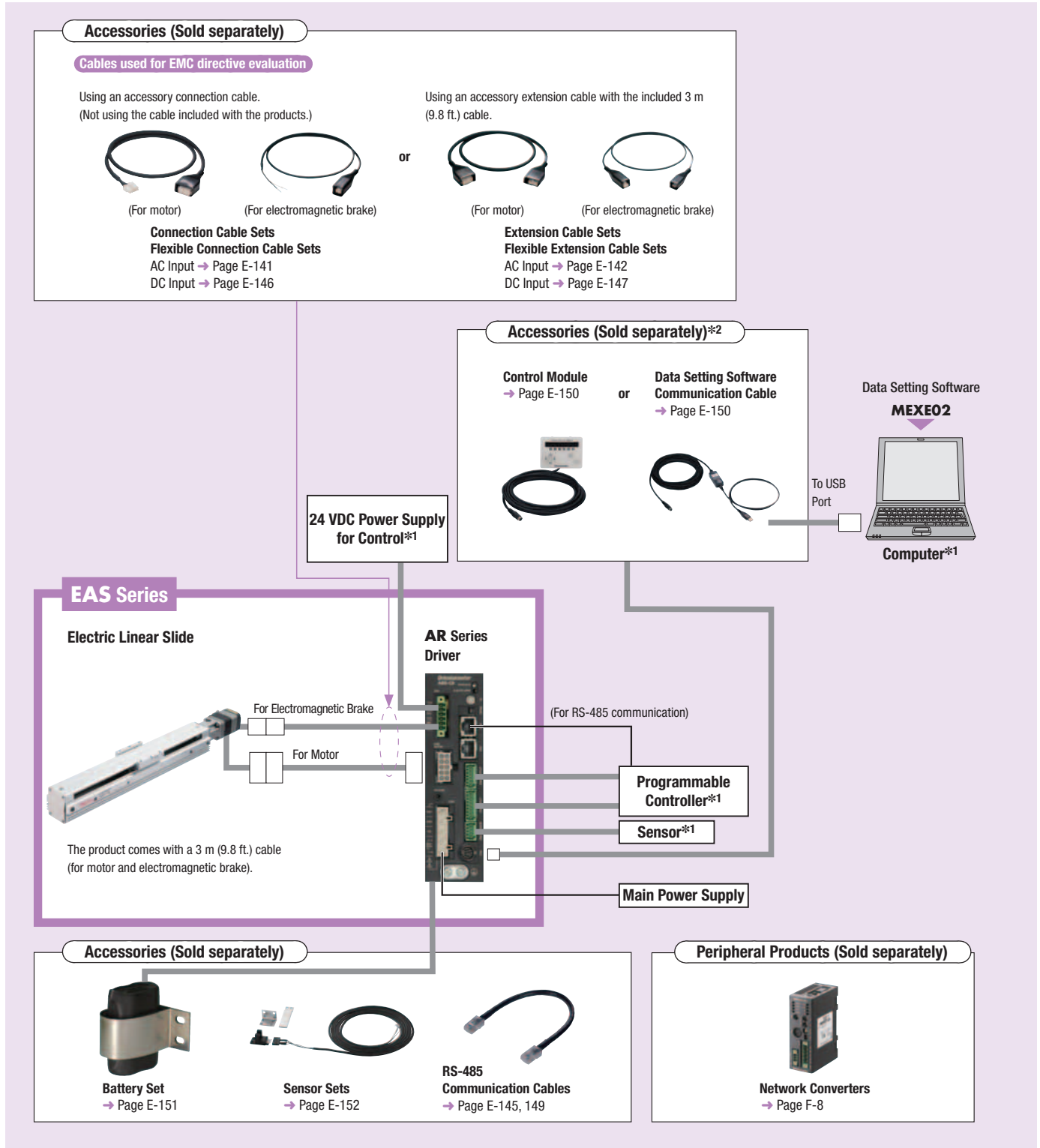
System Configuration

When Equipped with AR Series, Built-in Controller Type with Electromagnetic Brake

An example of a configuration using I/O control or RS-485 communication is shown below.

*1 Not supplied

*2 Required for push-motion operation via function extension.



Example of System Configuration

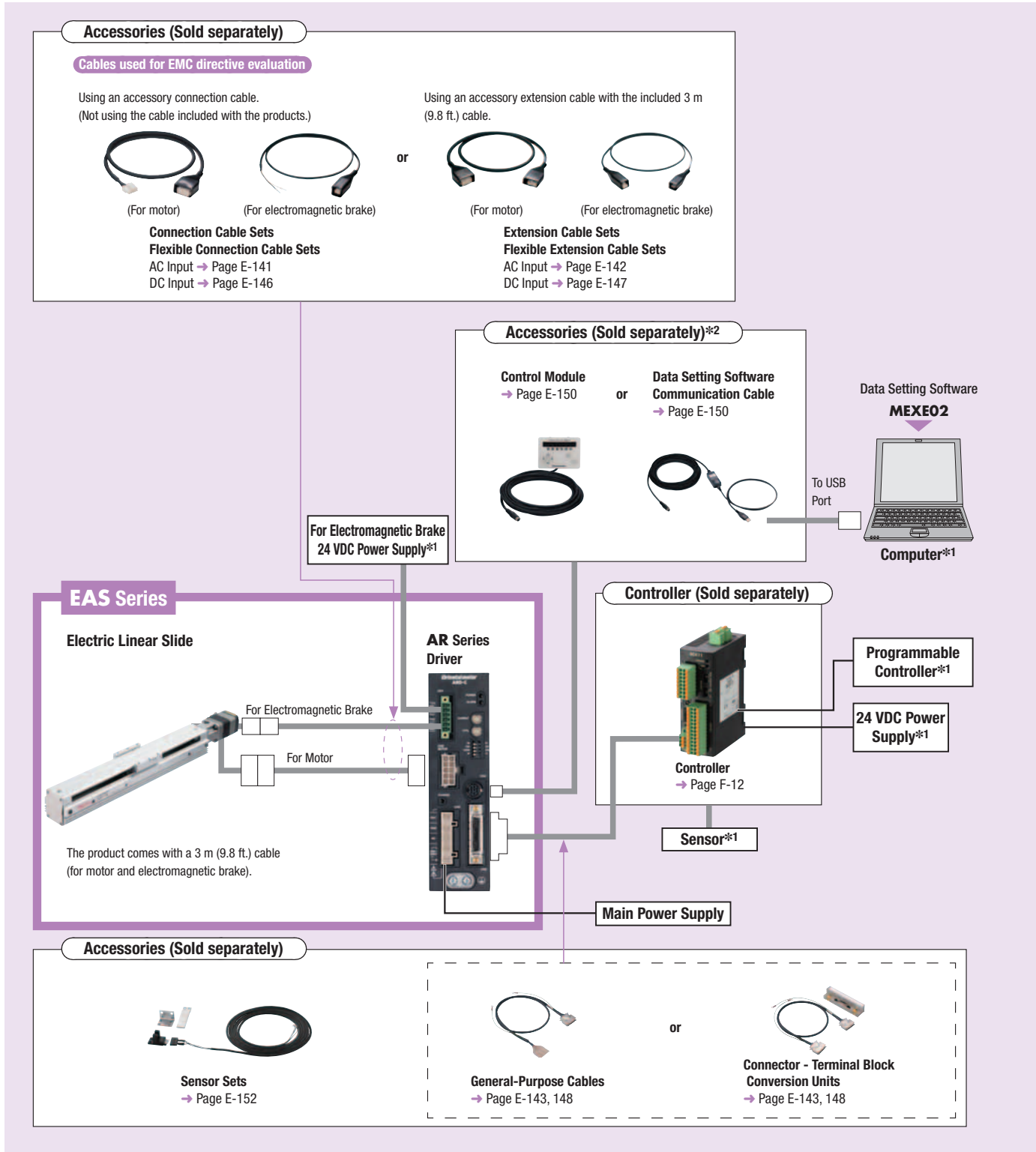
EAS Series	+	Sold Separately
EAS4X-E050-ARMCD-3		Sensor Set
\$1,673.00		PAES-S-4X
		\$160.00

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

● When Equipped with **AR Series**, Pulse Input Type with Electromagnetic Brake
 An example of a single-axis system configuration with the **SCX11** controller is shown below.

*1 Not supplied

*2 Required for push-motion operation via function extension.



- Overview, Product Series
- Electric Linear Slides
 - Q^{STEP} AR EAS
- Electric Cylinders
 - Q^{STEP} AR EAC
- DRLII
- Hollow Rotary Actuators
 - Q^{STEP} AR DGII
- Accessories

● Example of System Configuration

EAS Series	Sold Separately		
	Controller	Sensor Set	Connector-Terminal Block Conversion Unit 1 m (3.3 ft.)
EAS4X-E050-ARMC-3	SCX11	PAES-S-4X	CC36T10E
\$1,673.00	\$349.00	\$160.00	\$284.00

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

Product Number

EAS 4 R X - D 025 - AR M K D - 3

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪

①	Series Name	EAS: EAS Series
②	Linear Slide Size	4: 58.4 mm (W) × 60 mm (H) 6: 75.4 mm (W) × 83 mm (H)
③	Motor Orientation	L: Reversed Motor Type (Left Side) R: Reversed Motor Type (Right Side) BLANK: Straight Type
④	Table Orientation	X: X-Table Y: Y-Table
⑤	Lead Screw Pitch	D: 12 mm E: 6 mm
⑥	Stroke	005-050: 50 mm ~ 500 mm (50 mm increments)
⑦	Motor	AR: AR Series
⑧	Motor Type	A: Single Shaft M: With Electromagnetic Brake
⑨	Power Supply Input	Built-in Controller Type A: Single-Phase 100-120 VAC C: Single-Phase 200-240 VAC K: 24 VDC Pulse Input Type A: Single-Phase 100-115 VAC C: Single-Phase 200-230 VAC S: Three-Phase 200-230 VAC K: 24 VDC
⑩	Driver Type	D: Built-in Controller Type BLANK: Pulse Input Type
⑪	Connection Cable*	3: 3 m (9.8 ft.) cable Included

*Connection cables with a length of 5 m (16.4 ft.) or more are available as accessories (sold separately).

AC Input → Page E-140

DC Input → Page E-146

Product Line

● AC Input

◇ **EAS4** Straight Type

Stroke* (mm)	Built-in Controller Type				Pulse Input Type			
	Single Shaft		With Electromagnetic Brake		Single Shaft		With Electromagnetic Brake	
	Product Name	List Price	Product Name	List Price	Product Name	List Price	Product Name	List Price
50	EAS4 □-□ 005-ARA □ D-3	\$1,313.00	EAS4 □-□ 005-ARM □ D-3	\$1,542.00	EAS4 □-□ 005-ARA □ -3	\$1,313.00	EAS4 □-□ 005-ARM □ -3	\$1,542.00
100	EAS4 □-□ 010-ARA □ D-3	\$1,313.00	EAS4 □-□ 010-ARM □ D-3	\$1,542.00	EAS4 □-□ 010-ARA □ -3	\$1,313.00	EAS4 □-□ 010-ARM □ -3	\$1,542.00
150	EAS4 □-□ 015-ARA □ D-3	\$1,346.00	EAS4 □-□ 015-ARM □ D-3	\$1,575.00	EAS4 □-□ 015-ARA □ -3	\$1,346.00	EAS4 □-□ 015-ARM □ -3	\$1,575.00
200	EAS4 □-□ 020-ARA □ D-3	\$1,346.00	EAS4 □-□ 020-ARM □ D-3	\$1,575.00	EAS4 □-□ 020-ARA □ -3	\$1,346.00	EAS4 □-□ 020-ARM □ -3	\$1,575.00
250	EAS4 □-□ 025-ARA □ D-3	\$1,379.00	EAS4 □-□ 025-ARM □ D-3	\$1,608.00	EAS4 □-□ 025-ARA □ -3	\$1,379.00	EAS4 □-□ 025-ARM □ -3	\$1,608.00
300	EAS4 □-□ 030-ARA □ D-3	\$1,379.00	EAS4 □-□ 030-ARM □ D-3	\$1,608.00	EAS4 □-□ 030-ARA □ -3	\$1,379.00	EAS4 □-□ 030-ARM □ -3	\$1,608.00
350	EAS4 □-□ 035-ARA □ D-3	\$1,412.00	EAS4 □-□ 035-ARM □ D-3	\$1,640.00	EAS4 □-□ 035-ARA □ -3	\$1,412.00	EAS4 □-□ 035-ARM □ -3	\$1,640.00
400	EAS4 □-□ 040-ARA □ D-3	\$1,412.00	EAS4 □-□ 040-ARM □ D-3	\$1,640.00	EAS4 □-□ 040-ARA □ -3	\$1,412.00	EAS4 □-□ 040-ARM □ -3	\$1,640.00
450	EAS4 □-□ 045-ARA □ D-3	\$1,444.00	EAS4 □-□ 045-ARM □ D-3	\$1,673.00	EAS4 □-□ 045-ARA □ -3	\$1,444.00	EAS4 □-□ 045-ARM □ -3	\$1,673.00
500	EAS4 □-□ 050-ARA □ D-3	\$1,444.00	EAS4 □-□ 050-ARM □ D-3	\$1,673.00	EAS4 □-□ 050-ARA □ -3	\$1,444.00	EAS4 □-□ 050-ARM □ -3	\$1,673.00

*If longer strokes are required, up to 700 mm, contact technical support for assistance.

● A symbol indicating the table orientation and lead screw pitch is specified in the box □ in the product name.

Either **A** (single-phase 100-115 (120) VAC), **C** (single-phase 200-230 (240) VAC) or **S** (three-phase 200-230 VAC: pulse input packages only) indicating power supply input is entered where the box □ is located within the product name.

◆ EAS4 Reversed Motor Type

Stroke* (mm)	Built-in Controller Type				Pulse Input Type			
	Single Shaft		With Electromagnetic Brake		Single Shaft		With Electromagnetic Brake	
	Product Name	List Price	Product Name	List Price	Product Name	List Price	Product Name	List Price
50	EAS4R(L)□□005-ARA□D-3	\$1,313.00	EAS4R(L)□□005-ARM□D-3	\$1,542.00	EAS4R(L)□□005-ARA□-3	\$1,313.00	EAS4R(L)□□005-ARM□-3	\$1,542.00
100	EAS4R(L)□□010-ARA□D-3	\$1,313.00	EAS4R(L)□□010-ARM□D-3	\$1,542.00	EAS4R(L)□□010-ARA□-3	\$1,313.00	EAS4R(L)□□010-ARM□-3	\$1,542.00
150	EAS4R(L)□□015-ARA□D-3	\$1,346.00	EAS4R(L)□□015-ARM□D-3	\$1,575.00	EAS4R(L)□□015-ARA□-3	\$1,346.00	EAS4R(L)□□015-ARM□-3	\$1,575.00
200	EAS4R(L)□□020-ARA□D-3	\$1,346.00	EAS4R(L)□□020-ARM□D-3	\$1,575.00	EAS4R(L)□□020-ARA□-3	\$1,346.00	EAS4R(L)□□020-ARM□-3	\$1,575.00
250	EAS4R(L)□□025-ARA□D-3	\$1,379.00	EAS4R(L)□□025-ARM□D-3	\$1,608.00	EAS4R(L)□□025-ARA□-3	\$1,379.00	EAS4R(L)□□025-ARM□-3	\$1,608.00
300	EAS4R(L)□□030-ARA□D-3	\$1,379.00	EAS4R(L)□□030-ARM□D-3	\$1,608.00	EAS4R(L)□□030-ARA□-3	\$1,379.00	EAS4R(L)□□030-ARM□-3	\$1,608.00
350	EAS4R(L)□□035-ARA□D-3	\$1,412.00	EAS4R(L)□□035-ARM□D-3	\$1,640.00	EAS4R(L)□□035-ARA□-3	\$1,412.00	EAS4R(L)□□035-ARM□-3	\$1,640.00
400	EAS4R(L)□□040-ARA□D-3	\$1,412.00	EAS4R(L)□□040-ARM□D-3	\$1,640.00	EAS4R(L)□□040-ARA□-3	\$1,412.00	EAS4R(L)□□040-ARM□-3	\$1,640.00
450	EAS4R(L)□□045-ARA□D-3	\$1,444.00	EAS4R(L)□□045-ARM□D-3	\$1,673.00	EAS4R(L)□□045-ARA□-3	\$1,444.00	EAS4R(L)□□045-ARM□-3	\$1,673.00
500	EAS4R(L)□□050-ARA□D-3	\$1,444.00	EAS4R(L)□□050-ARM□D-3	\$1,673.00	EAS4R(L)□□050-ARA□-3	\$1,444.00	EAS4R(L)□□050-ARM□-3	\$1,673.00

*If longer strokes are required, up to 700 mm, contact technical support for assistance.

◆ EAS6 Straight Type

Stroke* (mm)	Built-in Controller Type				Pulse Input Type			
	Single Shaft		With Electromagnetic Brake		Single Shaft		With Electromagnetic Brake	
	Product Name	List Price	Product Name	List Price	Product Name	List Price	Product Name	List Price
50	EAS6□□005-ARA□D-3	\$1,596.00	EAS6□□005-ARM□D-3	\$1,891.00	EAS6□□005-ARA□-3	\$1,596.00	EAS6□□005-ARM□-3	\$1,891.00
100	EAS6□□010-ARA□D-3	\$1,596.00	EAS6□□010-ARM□D-3	\$1,891.00	EAS6□□010-ARA□-3	\$1,596.00	EAS6□□010-ARM□-3	\$1,891.00
150	EAS6□□015-ARA□D-3	\$1,629.00	EAS6□□015-ARM□D-3	\$1,923.00	EAS6□□015-ARA□-3	\$1,629.00	EAS6□□015-ARM□-3	\$1,923.00
200	EAS6□□020-ARA□D-3	\$1,629.00	EAS6□□020-ARM□D-3	\$1,923.00	EAS6□□020-ARA□-3	\$1,629.00	EAS6□□020-ARM□-3	\$1,923.00
250	EAS6□□025-ARA□D-3	\$1,662.00	EAS6□□025-ARM□D-3	\$1,956.00	EAS6□□025-ARA□-3	\$1,662.00	EAS6□□025-ARM□-3	\$1,956.00
300	EAS6□□030-ARA□D-3	\$1,662.00	EAS6□□030-ARM□D-3	\$1,956.00	EAS6□□030-ARA□-3	\$1,662.00	EAS6□□030-ARM□-3	\$1,956.00
350	EAS6□□035-ARA□D-3	\$1,694.00	EAS6□□035-ARM□D-3	\$1,989.00	EAS6□□035-ARA□-3	\$1,694.00	EAS6□□035-ARM□-3	\$1,989.00
400	EAS6□□040-ARA□D-3	\$1,694.00	EAS6□□040-ARM□D-3	\$1,989.00	EAS6□□040-ARA□-3	\$1,694.00	EAS6□□040-ARM□-3	\$1,989.00
450	EAS6□□045-ARA□D-3	\$1,727.00	EAS6□□045-ARM□D-3	\$2,021.00	EAS6□□045-ARA□-3	\$1,727.00	EAS6□□045-ARM□-3	\$2,021.00
500	EAS6□□050-ARA□D-3	\$1,727.00	EAS6□□050-ARM□D-3	\$2,021.00	EAS6□□050-ARA□-3	\$1,727.00	EAS6□□050-ARM□-3	\$2,021.00

*If longer strokes are required, up to 850 mm, contact technical support for assistance.

◆ EAS6 Reversed Motor Type

Stroke* (mm)	Built-in Controller Type				Pulse Input Type			
	Single Shaft		With Electromagnetic Brake		Single Shaft		With Electromagnetic Brake	
	Product Name	List Price	Product Name	List Price	Product Name	List Price	Product Name	List Price
50	EAS6R(L)□□005-ARA□D-3	\$1,596.00	EAS6R(L)□□005-ARM□D-3	\$1,891.00	EAS6R(L)□□005-ARA□-3	\$1,596.00	EAS6R(L)□□005-ARM□-3	\$1,891.00
100	EAS6R(L)□□010-ARA□D-3	\$1,596.00	EAS6R(L)□□010-ARM□D-3	\$1,891.00	EAS6R(L)□□010-ARA□-3	\$1,596.00	EAS6R(L)□□010-ARM□-3	\$1,891.00
150	EAS6R(L)□□015-ARA□D-3	\$1,629.00	EAS6R(L)□□015-ARM□D-3	\$1,923.00	EAS6R(L)□□015-ARA□-3	\$1,629.00	EAS6R(L)□□015-ARM□-3	\$1,923.00
200	EAS6R(L)□□020-ARA□D-3	\$1,629.00	EAS6R(L)□□020-ARM□D-3	\$1,923.00	EAS6R(L)□□020-ARA□-3	\$1,629.00	EAS6R(L)□□020-ARM□-3	\$1,923.00
250	EAS6R(L)□□025-ARA□D-3	\$1,662.00	EAS6R(L)□□025-ARM□D-3	\$1,956.00	EAS6R(L)□□025-ARA□-3	\$1,662.00	EAS6R(L)□□025-ARM□-3	\$1,956.00
300	EAS6R(L)□□030-ARA□D-3	\$1,662.00	EAS6R(L)□□030-ARM□D-3	\$1,956.00	EAS6R(L)□□030-ARA□-3	\$1,662.00	EAS6R(L)□□030-ARM□-3	\$1,956.00
350	EAS6R(L)□□035-ARA□D-3	\$1,694.00	EAS6R(L)□□035-ARM□D-3	\$1,989.00	EAS6R(L)□□035-ARA□-3	\$1,694.00	EAS6R(L)□□035-ARM□-3	\$1,989.00
400	EAS6R(L)□□040-ARA□D-3	\$1,694.00	EAS6R(L)□□040-ARM□D-3	\$1,989.00	EAS6R(L)□□040-ARA□-3	\$1,694.00	EAS6R(L)□□040-ARM□-3	\$1,989.00
450	EAS6R(L)□□045-ARA□D-3	\$1,727.00	EAS6R(L)□□045-ARM□D-3	\$2,021.00	EAS6R(L)□□045-ARA□-3	\$1,727.00	EAS6R(L)□□045-ARM□-3	\$2,021.00
500	EAS6R(L)□□050-ARA□D-3	\$1,727.00	EAS6R(L)□□050-ARM□D-3	\$2,021.00	EAS6R(L)□□050-ARA□-3	\$1,727.00	EAS6R(L)□□050-ARM□-3	\$2,021.00

*If longer strokes are required, up to 850 mm, contact technical support for assistance.

● A symbol indicating the table orientation and lead screw pitch is specified in the box □ in the product name.

Either **A** (single-phase 100-115 (120) VAC), **C** (single-phase 200-230 (240) VAC) or **S** (three-phase 200-230 VAC: pulse input packages only) indicating power supply input is entered where the box □ is located within the product name.

● DC Input

◇ EAS4 Straight Type

Stroke* (mm)	Built-in Controller Type				Pulse Input Type			
	Single Shaft		With Electromagnetic Brake		Single Shaft		With Electromagnetic Brake	
	Product Name	List Price	Product Name	List Price	Product Name	List Price	Product Name	List Price
50	EAS4□-□005-ARA-KD-3	\$1,089.00	EAS4□-□005-ARM-KD-3	\$1,318.00	EAS4□-□005-ARA-K-3	\$1,039.00	EAS4□-□005-ARM-K-3	\$1,268.00
100	EAS4□-□010-ARA-KD-3	\$1,089.00	EAS4□-□010-ARM-KD-3	\$1,318.00	EAS4□-□010-ARA-K-3	\$1,039.00	EAS4□-□010-ARM-K-3	\$1,268.00
150	EAS4□-□015-ARA-KD-3	\$1,121.00	EAS4□-□015-ARM-KD-3	\$1,350.00	EAS4□-□015-ARA-K-3	\$1,071.00	EAS4□-□015-ARM-K-3	\$1,300.00
200	EAS4□-□020-ARA-KD-3	\$1,121.00	EAS4□-□020-ARM-KD-3	\$1,350.00	EAS4□-□020-ARA-K-3	\$1,071.00	EAS4□-□020-ARM-K-3	\$1,300.00
250	EAS4□-□025-ARA-KD-3	\$1,154.00	EAS4□-□025-ARM-KD-3	\$1,383.00	EAS4□-□025-ARA-K-3	\$1,104.00	EAS4□-□025-ARM-K-3	\$1,333.00
300	EAS4□-□030-ARA-KD-3	\$1,154.00	EAS4□-□030-ARM-KD-3	\$1,383.00	EAS4□-□030-ARA-K-3	\$1,104.00	EAS4□-□030-ARM-K-3	\$1,333.00
350	EAS4□-□035-ARA-KD-3	\$1,187.00	EAS4□-□035-ARM-KD-3	\$1,416.00	EAS4□-□035-ARA-K-3	\$1,137.00	EAS4□-□035-ARM-K-3	\$1,366.00
400	EAS4□-□040-ARA-KD-3	\$1,187.00	EAS4□-□040-ARM-KD-3	\$1,416.00	EAS4□-□040-ARA-K-3	\$1,137.00	EAS4□-□040-ARM-K-3	\$1,366.00
450	EAS4□-□045-ARA-KD-3	\$1,220.00	EAS4□-□045-ARM-KD-3	\$1,448.00	EAS4□-□045-ARA-K-3	\$1,170.00	EAS4□-□045-ARM-K-3	\$1,398.00
500	EAS4□-□050-ARA-KD-3	\$1,220.00	EAS4□-□050-ARM-KD-3	\$1,448.00	EAS4□-□050-ARA-K-3	\$1,170.00	EAS4□-□050-ARM-K-3	\$1,398.00

*If longer strokes are required, up to 700 mm, contact technical support for assistance.

◇ EAS4 Reversed Motor Type

Stroke* (mm)	Built-in Controller Type				Pulse Input Type			
	Single Shaft		With Electromagnetic Brake		Single Shaft		With Electromagnetic Brake	
	Product Name	List Price	Product Name	List Price	Product Name	List Price	Product Name	List Price
50	EAS4R(L)□-□005-ARA-KD-3	\$1,089.00	EAS4R(L)□-□005-ARM-KD-3	\$1,318.00	EAS4R(L)□-□005-ARA-K-3	\$1,039.00	EAS4R(L)□-□005-ARM-K-3	\$1,268.00
100	EAS4R(L)□-□010-ARA-KD-3	\$1,089.00	EAS4R(L)□-□010-ARM-KD-3	\$1,318.00	EAS4R(L)□-□010-ARA-K-3	\$1,039.00	EAS4R(L)□-□010-ARM-K-3	\$1,268.00
150	EAS4R(L)□-□015-ARA-KD-3	\$1,121.00	EAS4R(L)□-□015-ARM-KD-3	\$1,350.00	EAS4R(L)□-□015-ARA-K-3	\$1,071.00	EAS4R(L)□-□015-ARM-K-3	\$1,300.00
200	EAS4R(L)□-□020-ARA-KD-3	\$1,121.00	EAS4R(L)□-□020-ARM-KD-3	\$1,350.00	EAS4R(L)□-□020-ARA-K-3	\$1,071.00	EAS4R(L)□-□020-ARM-K-3	\$1,300.00
250	EAS4R(L)□-□025-ARA-KD-3	\$1,154.00	EAS4R(L)□-□025-ARM-KD-3	\$1,383.00	EAS4R(L)□-□025-ARA-K-3	\$1,104.00	EAS4R(L)□-□025-ARM-K-3	\$1,333.00
300	EAS4R(L)□-□030-ARA-KD-3	\$1,154.00	EAS4R(L)□-□030-ARM-KD-3	\$1,383.00	EAS4R(L)□-□030-ARA-K-3	\$1,104.00	EAS4R(L)□-□030-ARM-K-3	\$1,333.00
350	EAS4R(L)□-□035-ARA-KD-3	\$1,187.00	EAS4R(L)□-□035-ARM-KD-3	\$1,416.00	EAS4R(L)□-□035-ARA-K-3	\$1,137.00	EAS4R(L)□-□035-ARM-K-3	\$1,366.00
400	EAS4R(L)□-□040-ARA-KD-3	\$1,187.00	EAS4R(L)□-□040-ARM-KD-3	\$1,416.00	EAS4R(L)□-□040-ARA-K-3	\$1,137.00	EAS4R(L)□-□040-ARM-K-3	\$1,366.00
450	EAS4R(L)□-□045-ARA-KD-3	\$1,220.00	EAS4R(L)□-□045-ARM-KD-3	\$1,448.00	EAS4R(L)□-□045-ARA-K-3	\$1,170.00	EAS4R(L)□-□045-ARM-K-3	\$1,398.00
500	EAS4R(L)□-□050-ARA-KD-3	\$1,220.00	EAS4R(L)□-□050-ARM-KD-3	\$1,448.00	EAS4R(L)□-□050-ARA-K-3	\$1,170.00	EAS4R(L)□-□050-ARM-K-3	\$1,398.00

*If longer strokes are required, up to 700 mm, contact technical support for assistance.

◇ EAS6 Straight Type

Stroke* (mm)	Built-in Controller Type				Pulse Input Type			
	Single Shaft		With Electromagnetic Brake		Single Shaft		With Electromagnetic Brake	
	Product Name	List Price	Product Name	List Price	Product Name	List Price	Product Name	List Price
50	EAS6□-□005-ARA-KD-3	\$1,372.00	EAS6□-□005-ARM-KD-3	\$1,666.00	EAS6□-□005-ARA-K-3	\$1,322.00	EAS6□-□005-ARM-K-3	\$1,616.00
100	EAS6□-□010-ARA-KD-3	\$1,372.00	EAS6□-□010-ARM-KD-3	\$1,666.00	EAS6□-□010-ARA-K-3	\$1,322.00	EAS6□-□010-ARM-K-3	\$1,616.00
150	EAS6□-□015-ARA-KD-3	\$1,404.00	EAS6□-□015-ARM-KD-3	\$1,699.00	EAS6□-□015-ARA-K-3	\$1,354.00	EAS6□-□015-ARM-K-3	\$1,649.00
200	EAS6□-□020-ARA-KD-3	\$1,404.00	EAS6□-□020-ARM-KD-3	\$1,699.00	EAS6□-□020-ARA-K-3	\$1,354.00	EAS6□-□020-ARM-K-3	\$1,649.00
250	EAS6□-□025-ARA-KD-3	\$1,437.00	EAS6□-□025-ARM-KD-3	\$1,731.00	EAS6□-□025-ARA-K-3	\$1,387.00	EAS6□-□025-ARM-K-3	\$1,681.00
300	EAS6□-□030-ARA-KD-3	\$1,437.00	EAS6□-□030-ARM-KD-3	\$1,731.00	EAS6□-□030-ARA-K-3	\$1,387.00	EAS6□-□030-ARM-K-3	\$1,681.00
350	EAS6□-□035-ARA-KD-3	\$1,470.00	EAS6□-□035-ARM-KD-3	\$1,764.00	EAS6□-□035-ARA-K-3	\$1,420.00	EAS6□-□035-ARM-K-3	\$1,714.00
400	EAS6□-□040-ARA-KD-3	\$1,470.00	EAS6□-□040-ARM-KD-3	\$1,764.00	EAS6□-□040-ARA-K-3	\$1,420.00	EAS6□-□040-ARM-K-3	\$1,714.00
450	EAS6□-□045-ARA-KD-3	\$1,502.00	EAS6□-□045-ARM-KD-3	\$1,797.00	EAS6□-□045-ARA-K-3	\$1,452.00	EAS6□-□045-ARM-K-3	\$1,747.00
500	EAS6□-□050-ARA-KD-3	\$1,502.00	EAS6□-□050-ARM-KD-3	\$1,797.00	EAS6□-□050-ARA-K-3	\$1,452.00	EAS6□-□050-ARM-K-3	\$1,747.00

*If longer strokes are required, up to 850 mm, contact technical support for assistance.

◇ EAS6 Reversed Motor Type

Stroke* (mm)	Built-in Controller Type				Pulse Input Type			
	Single Shaft		With Electromagnetic Brake		Single Shaft		With Electromagnetic Brake	
	Product Name	List Price	Product Name	List Price	Product Name	List Price	Product Name	List Price
50	EAS6R(L)□-□005-ARA-KD-3	\$1,372.00	EAS6R(L)□-□005-ARM-KD-3	\$1,666.00	EAS6R(L)□-□005-ARA-K-3	\$1,322.00	EAS6R(L)□-□005-ARM-K-3	\$1,616.00
100	EAS6R(L)□-□010-ARA-KD-3	\$1,372.00	EAS6R(L)□-□010-ARM-KD-3	\$1,666.00	EAS6R(L)□-□010-ARA-K-3	\$1,322.00	EAS6R(L)□-□010-ARM-K-3	\$1,616.00
150	EAS6R(L)□-□015-ARA-KD-3	\$1,404.00	EAS6R(L)□-□015-ARM-KD-3	\$1,699.00	EAS6R(L)□-□015-ARA-K-3	\$1,354.00	EAS6R(L)□-□015-ARM-K-3	\$1,649.00
200	EAS6R(L)□-□020-ARA-KD-3	\$1,404.00	EAS6R(L)□-□020-ARM-KD-3	\$1,699.00	EAS6R(L)□-□020-ARA-K-3	\$1,354.00	EAS6R(L)□-□020-ARM-K-3	\$1,649.00
250	EAS6R(L)□-□025-ARA-KD-3	\$1,437.00	EAS6R(L)□-□025-ARM-KD-3	\$1,731.00	EAS6R(L)□-□025-ARA-K-3	\$1,387.00	EAS6R(L)□-□025-ARM-K-3	\$1,681.00
300	EAS6R(L)□-□030-ARA-KD-3	\$1,437.00	EAS6R(L)□-□030-ARM-KD-3	\$1,731.00	EAS6R(L)□-□030-ARA-K-3	\$1,387.00	EAS6R(L)□-□030-ARM-K-3	\$1,681.00
350	EAS6R(L)□-□035-ARA-KD-3	\$1,470.00	EAS6R(L)□-□035-ARM-KD-3	\$1,764.00	EAS6R(L)□-□035-ARA-K-3	\$1,420.00	EAS6R(L)□-□035-ARM-K-3	\$1,714.00
400	EAS6R(L)□-□040-ARA-KD-3	\$1,470.00	EAS6R(L)□-□040-ARM-KD-3	\$1,764.00	EAS6R(L)□-□040-ARA-K-3	\$1,420.00	EAS6R(L)□-□040-ARM-K-3	\$1,714.00
450	EAS6R(L)□-□045-ARA-KD-3	\$1,502.00	EAS6R(L)□-□045-ARM-KD-3	\$1,797.00	EAS6R(L)□-□045-ARA-K-3	\$1,452.00	EAS6R(L)□-□045-ARM-K-3	\$1,747.00
500	EAS6R(L)□-□050-ARA-KD-3	\$1,502.00	EAS6R(L)□-□050-ARM-KD-3	\$1,797.00	EAS6R(L)□-□050-ARA-K-3	\$1,452.00	EAS6R(L)□-□050-ARM-K-3	\$1,747.00

*If longer strokes are required, up to 850 mm, contact technical support for assistance.

● A symbol indicating the table orientation and lead screw pitch is specified in the box □ in the product name.

General Specifications

Motor (AR Series) Specifications

AC Input :  DC Input : 

		AC Input	DC Input
Thermal Class		130 (B)*1	
Insulation Resistance		The measured value is 100 MΩ or more when a 500 VDC megger is applied between the following locations: <ul style="list-style-type: none"> Between the case and motor/sensor windings Between the case and electromagnetic brake windings 	
Dielectric Strength		No abnormality is found with the following application for 1 minute: <ul style="list-style-type: none"> Between the case and motor sensor windings 1.5 kVAC, 50 Hz or 60 Hz Case - Electromagnetic Brake Windings 1.5 kVAC, 50 Hz or 60 Hz 	No abnormality is found with the following application for 1 minute: <ul style="list-style-type: none"> Between the case and motor sensor windings 1.0 kVAC, 50 Hz or 60 Hz Case - Electromagnetic Brake Windings 1.0 kVAC, 50 Hz or 60 Hz
Operating Environment (In operation)	Ambient Temperature	0~+50°C (+32~+122°F) (non-freezing)*2	
	Ambient Humidity	85% or less (non-condensing)	
	Atmosphere	Use in an area without corrosive gases and dust. The product should not be exposed to water, oil or other liquids.	
Degree of Protection*3		IP65 (Excluding motor connector)	IP20

*1 The DC input is certified as compliant with UL Standards 105 (A).

*2 0~+40°C (+32~+104°F) for the electric linear slide.

*3 Motor only.

Note

Do not perform the insulation resistance test and the insulation pressure resistance test if the electric Linear slide (motor) and driver are connected.

Electromagnetic Brake Specification

Item	EAS4	EAS6
Electromagnetic Brake*1 Power Supply Input	24 VDC ±5%*2, 0.08 A or more	24 VDC ±5%*2, 0.25 A or more

*1 For the pulse input type, a separate power supply for the electromagnetic brake is also required.

*2 If the wiring distance between the motor and driver is extended to 20 m (65.6 ft.) or longer using an accessory cable (sold separately), the 24 VDC±4% specification applies.

Driver Specifications

AR Series AC Input → Page A-44

DC Input → Page A-165

Overview, Product Series

Electric Linear Slides

αSTEP AR EAS

Electric Cylinders

αSTEP AR EAC

DRLII

Hollow Rotary Actuators

αSTEP AR DGII

Accessories

EAS4: Width 58.4 mm × Height 60 mm Straight Type AC Input

Maximum Transportable Mass: Horizontal 30 kg/Vertical 14 kg

Stroke: 50 to 500 mm (50 mm increments)



Electric Linear Slide Specifications

Drive Method	Ball Screw	Resolution [P/R]	100~10000	Dynamic Permissible Moment [N-m]	Mr:16.3 Mr:4.8 Mr:15.0		
Repetitive Positioning Accuracy [mm]	±0.02	Traveling Parallelism [mm]	0.03	Static Permissible Moment [N-m]	Mr:58.3 Mr:16.0 Mr:53.3		
Product Name	Lead Screw Pitch [mm]	Transportable Mass [kg]		Thrust [N]	Push Force [N]	Holding Force [N]	Maximum Speed [mm/s]
		Horizontal	Vertical				
EAS4-□-D□□□-ARA□□-3	12	~15	—	~70	100	70	800
EAS4-□-D□□□-ARM□□-3		~7					
EAS4-□-E□□□-ARA□□-3	6	~30	—	~140	200	140	400
EAS4-□-E□□□-ARM□□-3		~14					

● A symbol or number will be entered in place of the □ in the product name. For details, please refer to "Product Number" on page E-26.

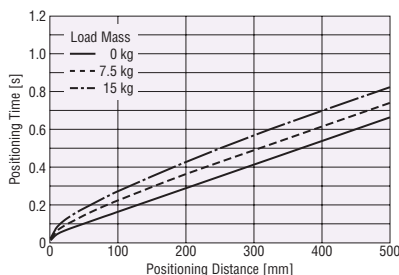
● For reading the specifications table and notes, refer to "How to Read Specifications Table" on page E-23.

Positioning Distance – Positioning Time

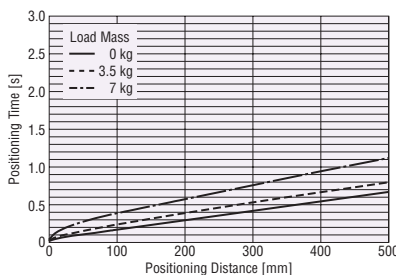
The positioning time (reference) can be checked from the positioning distance. A reference value for the positioning time can be calculated by multiplying the positioning time calculated from the graph with the positioning time coefficient for the applicable stroke. Refer to page E-45 for operating speed and acceleration.

12 mm Lead Screw Pitch

Horizontal Direction Installation

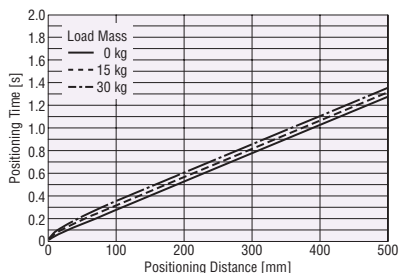


Vertical Direction Installation

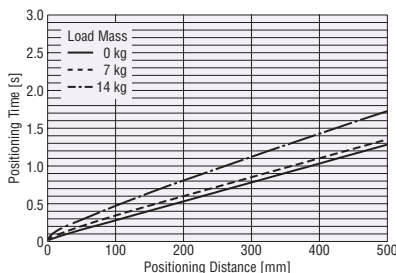


6 mm Lead Screw Pitch

Horizontal Direction Installation



Vertical Direction Installation



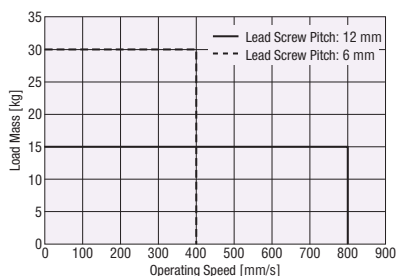
Note

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

Operating Speed – Transportable Mass

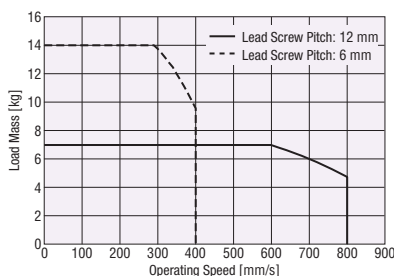
During Horizontal Installation

(Acceleration of 3 m/s²)



During Vertical Installation

(Acceleration of 2 m/s²)



Dimensions

Electric Linear Slides

→ Pages E-36, E-38

Driver

→ Page A-61

Connection and Operation

Built-in Controller Type

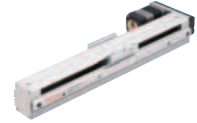
→ Page A-62

Pulse Input Type

→ Page A-67

EAS4: Width 58.4 mm × Height 60 mm Reversed Motor Type AC Input

Maximum Transportable Mass: Horizontal 30 kg/Vertical 12.5 kg
Stroke: 50 to 500 mm (50 mm increments)



Overview, Product Series

Electric Linear Slides

αSTEP AR EAS

Electric Cylinders

αSTEP AR EAC

DRLII

Hollow Rotary Actuators

αSTEP AR DGII

Accessories

Electric Linear Slide Specifications

Drive Method	Ball Screw	Resolution [P/R]	100~10000	Dynamic Permissible Moment [N-m]	M _r :16.3 M _r :4.8 M _r :15.0		
Repetitive Positioning Accuracy [mm]	±0.02	Traveling Parallelism [mm]	0.03	Static Permissible Moment [N-m]	M _s :58.3 M _s :16.0 M _s :53.3		
Product Name	Lead Screw Pitch [mm]	Transportable Mass [kg]		Thrust [N]	Push Force [N]	Holding Force [N]	Maximum Speed [mm/s]
		Horizontal	Vertical				
EAS4□□-D□□□-ARA□□-3	12	~15	—	~70	100	70	800
EAS4□□-D□□□-ARM□□-3		~7					
EAS4□□-E□□□-ARA□□-3	6	~30	—	~125	200	125	400
EAS4□□-E□□□-ARM□□-3		~12.5					

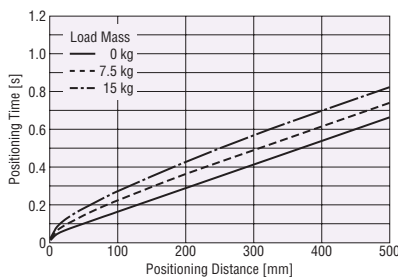
- A symbol or number will be entered in place of the □□ in the product name. For details, please refer to "Product Number" on page E-26.
- For reading the specifications table and notes, refer to "How to Read Specifications Table" on page E-23.

Positioning Distance – Positioning Time

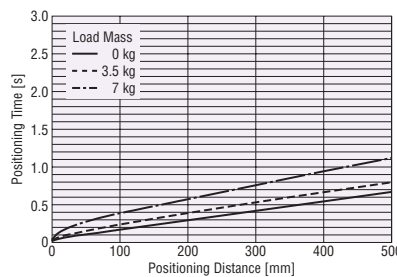
The positioning time (reference) can be checked from the positioning distance. A reference value for the positioning time can be calculated by multiplying the positioning time calculated from the graph with the positioning time coefficient for the applicable stroke. Refer to pages E-45 and E-46 for operating speed and acceleration.

12 mm Lead Screw Pitch

Horizontal Direction Installation

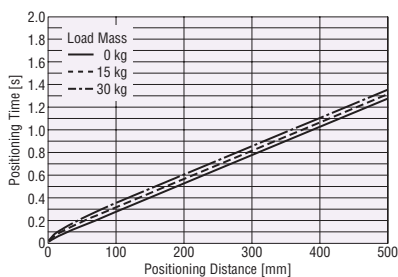


Vertical Direction Installation

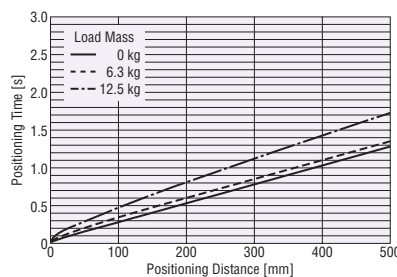


6 mm Lead Screw Pitch

Horizontal Direction Installation



Vertical Direction Installation



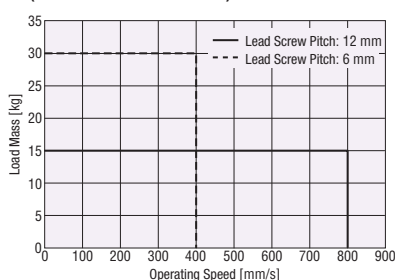
Note

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

Operating Speed – Transportable Mass

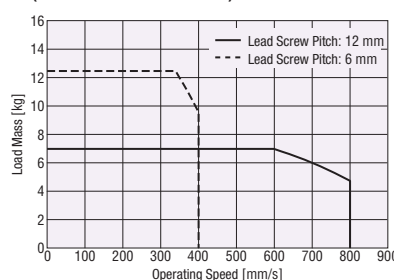
During Horizontal Installation

(Acceleration of 3 m/s²)



During Vertical Installation

(Acceleration of 2 m/s²)



Dimensions

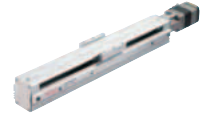
- Electric Linear Slides
→ Pages E-37, E-39
- Driver
→ Page A-61

Connection and Operation

- Built-in Controller Type
→ Page A-62
- Pulse Input Type
→ Page A-67

EAS4: Width 58.4 mm × Height 60 mm Straight Type 24 VDC Input

Maximum Transportable Mass: Horizontal 30 kg/Vertical 14 kg
Stroke: 50 to 500 mm (50 mm increments)



Electric Linear Slide Specifications

Drive Method	Ball Screw	Resolution [P/R]	100~10000	Dynamic Permissible Moment [N·m]	Mr:16.3 Mr:4.8 Mr:15.0		
Repetitive Positioning Accuracy [mm]	±0.02	Traveling Parallelism [mm]	0.03	Static Permissible Moment [N·m]	Mr:58.3 Mr:16.0 Mr:53.3		
Product Name	Lead Screw Pitch [mm]	Transportable Mass [kg]		Thrust [N]	Push Force [N]	Holding Force [N]	Maximum Speed [mm/s]
		Horizontal	Vertical				
EAS4-D-□□□-ARAK-3	12	~15	—	~70	100	70	600
EAS4-D-□□□-ARMK-3			~7				
EAS4-E-□□□-ARAK-3	6	~30	—	~140	200	140	300
EAS4-E-□□□-ARMK-3			~14				

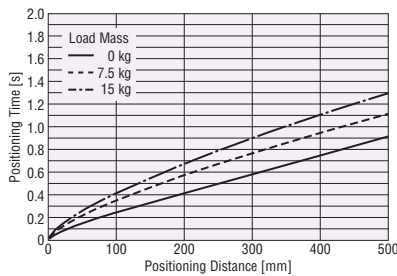
- A symbol or number will be entered in place of the □ in the product name. For details, please refer to "Product Number" on page E-26.
- For reading the specifications table and notes, refer to "How to Read Specifications Table" on page E-23.

Positioning Distance – Positioning Time

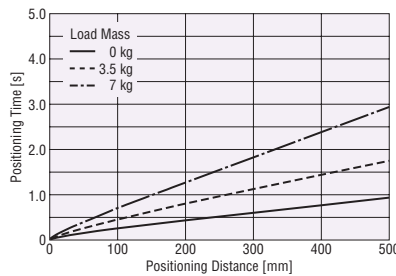
The positioning time (reference) can be checked from the positioning distance. A reference value for the positioning time can be calculated by multiplying the positioning time calculated from the graph with the positioning time coefficient for the applicable stroke. Refer to pages E-46 and E-47 for operating speed and acceleration.

12 mm Lead Screw Pitch

◇ Horizontal Direction Installation

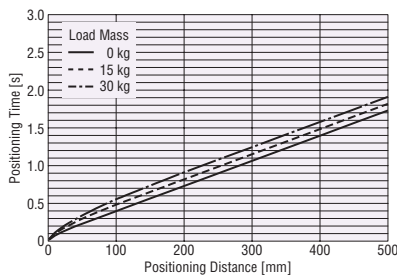


◇ Vertical Direction Installation

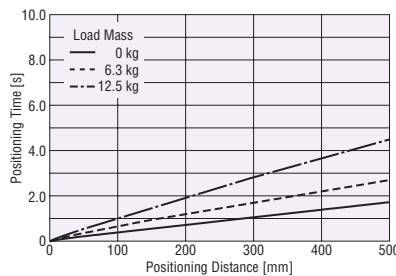


6 mm Lead Screw Pitch

◇ Horizontal Direction Installation



◇ Vertical Direction Installation



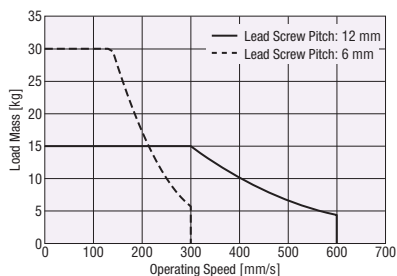
Note

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

Operating Speed – Transportable Mass

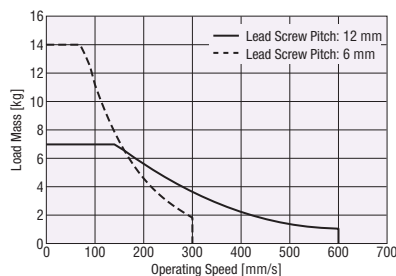
● During Horizontal Installation

(Acceleration of 3 m/s²)



● During Vertical Installation

(Acceleration of 2 m/s²)



Dimensions

● Electric Linear Slides

→ Pages E-36, E-38

● Driver

→ Page A-185

Connection and Operation

● Built-in Controller Type

→ Page A-186

● Pulse Input Type

→ Page A-190

EAS4: Width 58.4 mm × Height 60 mm Reversed Motor Type 24 VDC Input

Maximum Transportable Mass: Horizontal 30 kg/Vertical 12.5 kg
Stroke: 50 to 500 mm (50 mm increments)



Overview, Product Series

Electric Linear Slides

Q^{STEP} AR EAS

Electric Cylinders

Q^{STEP} AR EAC

DRLII

Hollow Rotary Actuators

Q^{STEP} AR DGII

Accessories

Electric Linear Slide Specifications

Drive Method	Ball Screw	Resolution [P/R]	100~10000	Dynamic Permissible Moment [N-m]	Mr:16.3 Mr:4.8 Mr:15.0		
Repetitive Positioning Accuracy [mm]	±0.02	Traveling Parallelism [mm]	0.03	Static Permissible Moment [N-m]	Mr:58.3 Mr:16.0 Mr:53.3		
Product Name	Lead Screw Pitch [mm]	Transportable Mass [kg]		Thrust [N]	Push Force [N]	Holding Force [N]	Maximum Speed [mm/s]
		Horizontal	Vertical				
EAS4□□-D□□□-ARAK□-3	12	~15	—	~70	100	70	600
EAS4□□-D□□□-ARMK□-3			~7				
EAS4□□-E□□□-ARAK□-3	6	~30	—	~125	200	125	300
EAS4□□-E□□□-ARMK□-3			~12.5				

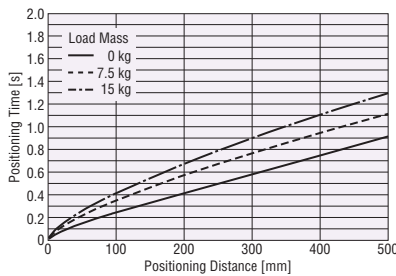
● A symbol or number will be entered in place of the □ in the product name. For details, please refer to "Product Number" on page E-26.
● For reading the specifications table and notes, refer to "How to Read Specifications Table" on page E-23.

Positioning Distance – Positioning Time

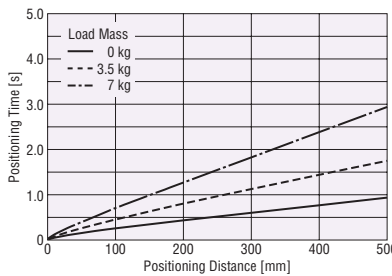
The positioning time (reference) can be checked from the positioning distance. A reference value for the positioning time can be calculated by multiplying the positioning time calculated from the graph with the positioning time coefficient for the applicable stroke. Refer to pages E-46 and E-47 for operating speed and acceleration.

● 12 mm Lead Screw Pitch

◇ Horizontal Direction Installation

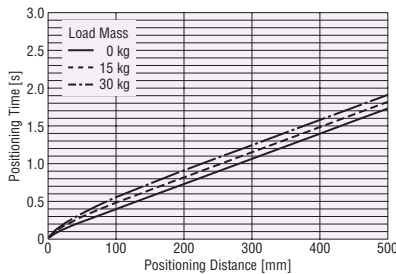


◇ Vertical Direction Installation

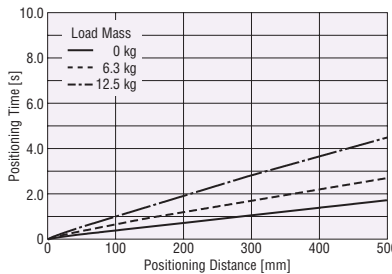


● 6 mm Lead Screw Pitch

◇ Horizontal Direction Installation



◇ Vertical Direction Installation



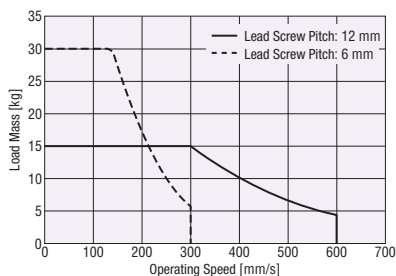
Note

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

Operating Speed – Transportable Mass

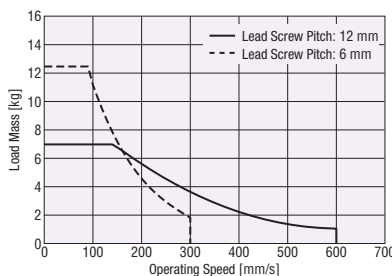
● During Horizontal Installation

(Acceleration of 3 m/s²)



● During Vertical Installation

(Acceleration of 2 m/s²)



Dimensions

● Electric Linear Slides

→ Pages E-37, E-39

● Driver

→ Page A-185

Connection and Operation

● Built-in Controller Type

→ Page A-186

● Pulse Input Type

→ Page A-190

EAS6: Width 75.4 mm × Height 83 mm Straight Type Reversed Motor Type AC Input

Maximum Transportable Mass: Horizontal 60 kg/Vertical 30 kg
Stroke: 50 to 500 mm (50 mm increments)



Electric Linear Slide Specifications

Drive Method	Ball Screw	Resolution [P/R]	100~10000	Dynamic Permissible Moment [N-m]	M _r :31.8 M _r :10.3 M _r :40.6		
Repetitive Positioning Accuracy [mm]	±0.02	Traveling Parallelism [mm]	0.03	Static Permissible Moment [N-m]	M _s :86.0 M _s :34.0 M _s :110.0		
Product Name	Lead Screw Pitch [mm]	Transportable Mass [kg]		Thrust [N]	Push Force [N]	Holding Force [N]	Maximum Speed [mm/s]
		Horizontal	Vertical				
EAS6□□-D□□□-ARA□□-3	12	~30	—	~200	400	200	800
EAS6□□-D□□□-ARM□□-3		~15					
EAS6□□-E□□□-ARA□□-3	6	~60	—	~400 (~360)	500	400 (360)	400
EAS6□□-E□□□-ARM□□-3		~30					

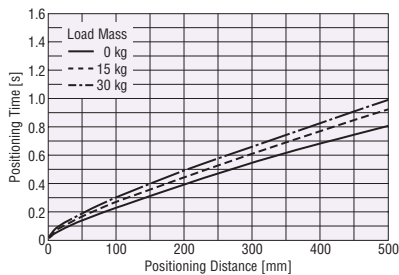
- A symbol or number will be entered in place of the □□ in the product name. For details, please refer to "Product Number" on page E-26.
- The parentheses () indicate specifications for the Reversed Motor Type.
- For reading the specifications table and notes, refer to "How to Read Specifications Table" on page E-23.

Positioning Distance – Positioning Time

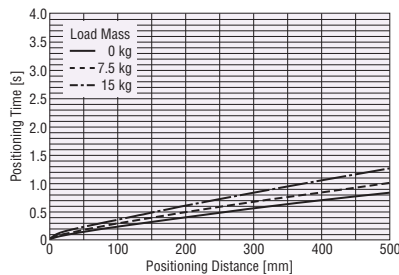
The positioning time (reference) can be checked from the positioning distance. A reference value for the positioning time can be calculated by multiplying the positioning time calculated from the graph with the positioning time coefficient for the applicable stroke. Refer to page E-48 for operating speed and acceleration.

12 mm Lead Screw Pitch

Horizontal Direction Installation

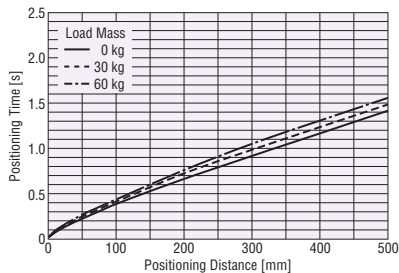


Vertical Direction Installation

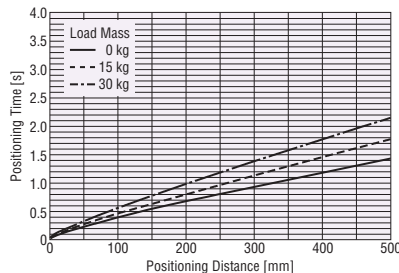


6 mm Lead Screw Pitch

Horizontal Direction Installation



Vertical Direction Installation



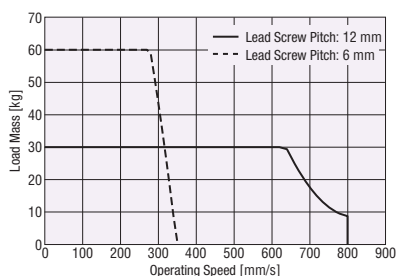
Note

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

Operating Speed – Transportable Mass

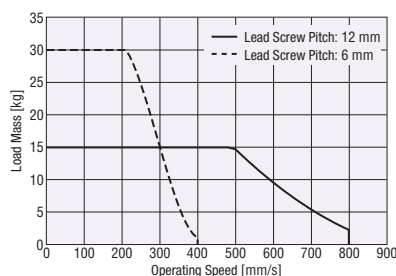
During Horizontal Installation

(Acceleration of 3 m/s²)



During Vertical Installation

(Acceleration of 2 m/s²)



Dimensions

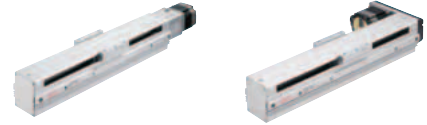
- Electric Linear Slides
→ Pages E-40~E-43
- Driver
→ Page A-61

Connection and Operation

- Built-in Controller Type
→ Page A-62
- Pulse Input Type
→ Page A-67

EAS6: Width 75.4 mm × Height 83 mm Straight Type Reversed Motor Type 24 VDC Input

Maximum Transportable Mass: Horizontal 60 kg/Vertical 30 kg
Stroke: 50 to 500 mm (50 mm increments)



Electric Linear Slide Specifications

Drive Method	Ball Screw	Resolution [P/R]	100~10000	Dynamic Permissible Moment [N-m]	M _r :31.8 M _v :10.3 M _r :40.6		
Repetitive Positioning Accuracy [mm]	±0.02	Traveling Parallelism [mm]	0.03	Static Permissible Moment [N-m]	M _r :86.0 M _v :34.0 M _r :110.0		
Product Name	Lead Screw Pitch [mm]	Transportable Mass [kg]		Thrust [N]	Push Force [N]	Holding Force [N]	Maximum Speed [mm/s]
		Horizontal	Vertical				
EAS6□□-D□□□-ARAK□-3	12	~30	—	~200	400	200	600
EAS6□□-D□□□-ARMK□-3			~15				
EAS6□□-E□□□-ARAK□-3	6	~60	—	~400 (~360)	500	400 (360)	300
EAS6□□-E□□□-ARMK□-3			~30				

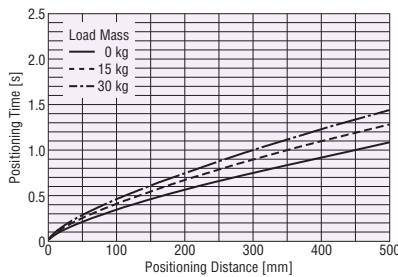
- A symbol or number will be entered in place of the □ in the product name. For details, please refer to "Product Number" on page E-26.
- The parentheses () indicate specifications for the Reversed Motor Type.
- For reading the specifications table and notes, refer to "How to Read Specifications Table" on page E-23.

Positioning Distance – Positioning time

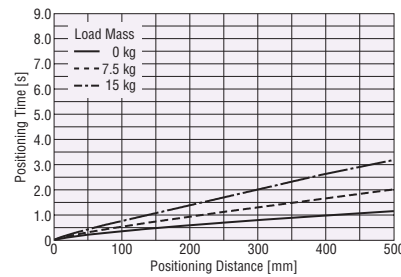
The positioning time (reference) can be checked from the positioning distance. A reference value for the positioning time can be calculated by multiplying the positioning time calculated from the graph with the positioning time coefficient for the applicable stroke. Refer to page E-49 for operating speed and acceleration.

12 mm Lead Screw Pitch

Horizontal Direction Installation

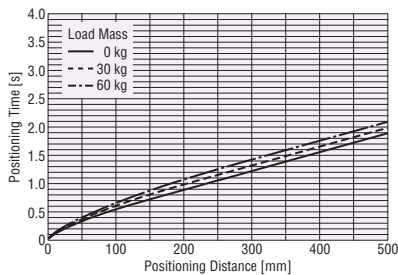


Vertical Direction Installation

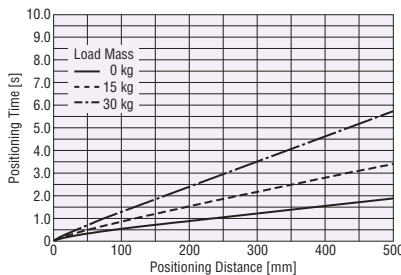


6 mm Lead Screw Pitch

Horizontal Direction Installation



Vertical Direction Installation



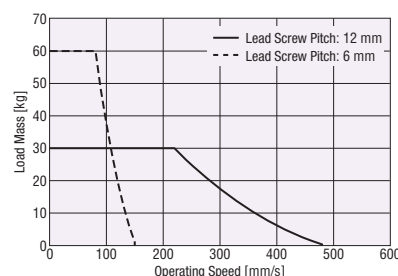
Note

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

Operating Speed – Load Mass

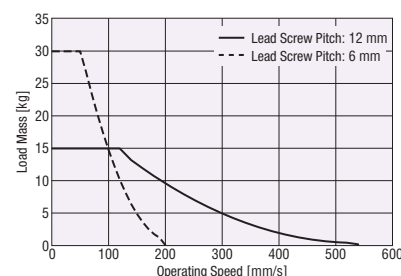
During Horizontal Installation

(Acceleration of 3 m/s²)



During Vertical Installation

(Acceleration of 2 m/s²)



Dimensions

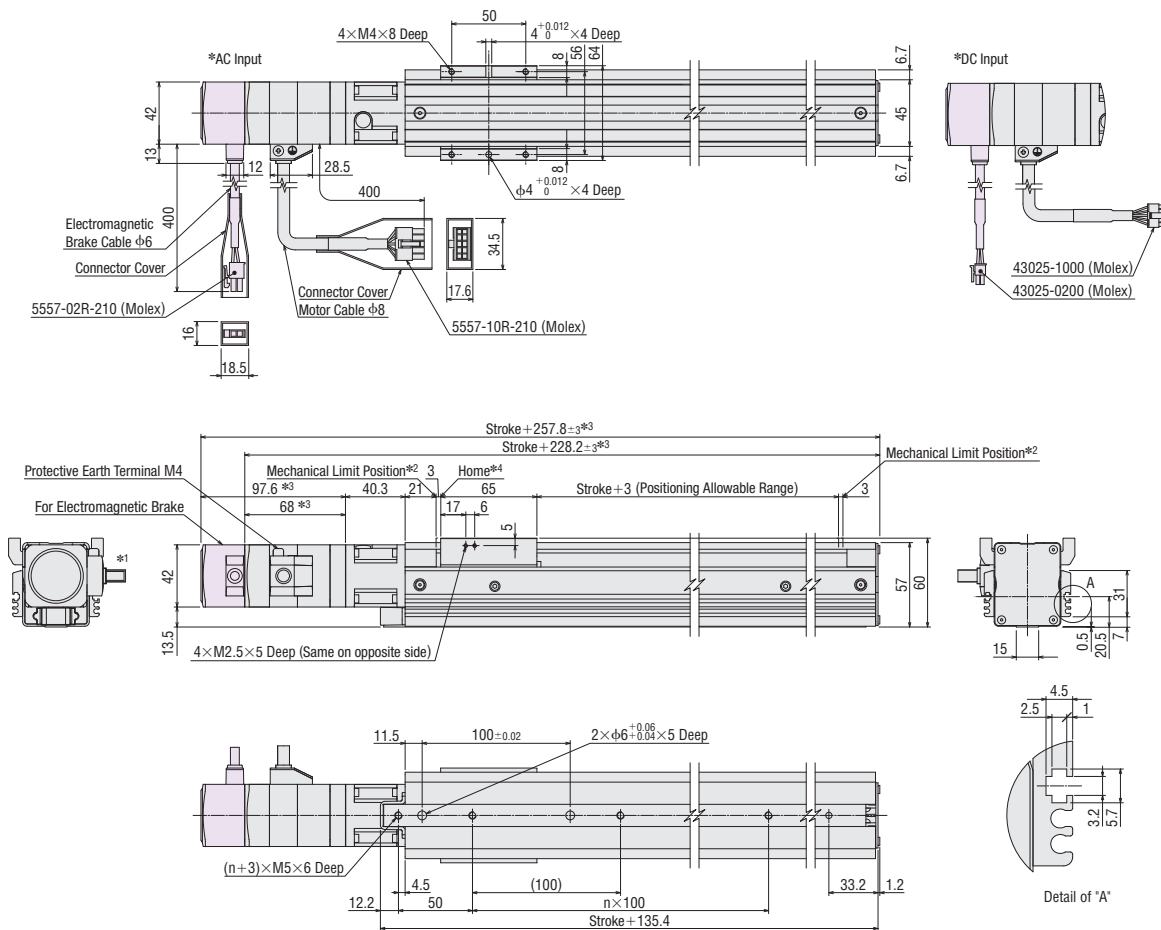
- Electric Linear Slides
→ Pages E-40~E-43
- Driver
→ Page A-185

Connection and Operation

- Built-in Controller Type
→ Page A-186
- Pulse Input Type
→ Page A-190

Dimensions Unit = mm

● Electric Linear Slides
◇ **EAS4** Straight Type **X-Table**



- *1 The motor cable outlet direction can be changed in 90° intervals in four directions.
- *2 During the pushing return-to-home operation, the table moves to mechanical limit position.
- *3 For DC input, total length shortens by 0.5 mm for single shaft, and 0.6 mm for the electromagnetic brake type.
- *4 When using an accessory sensor, the home position differs.

Electric Linear Slides Product Name: EASM4XD□□□ARAK, EASM4XD□□□ARAC, EASM4XE□□□ARAK, EASM4XE□□□ARAC (Single shaft)
EASM4XD□□□ARMK, EASM4XD□□□ARMC, EASM4XE□□□ARMK, EASM4XE□□□ARMC (With electromagnetic brake)

		Number Specifiable in the Box □ within the Electric Linear Slide Product Name									
		005	010	015	020	025	030	035	040	045	050
Stroke*		50	100	150	200	250	300	350	400	450	500
Mass [kg]	Single Shaft	1.9	2.0	2.2	2.3	2.5	2.6	2.8	3.0	3.1	3.3
	With Electromagnetic Brake	2.0	2.1	2.3	2.4	2.6	2.7	2.9	3.1	3.2	3.4

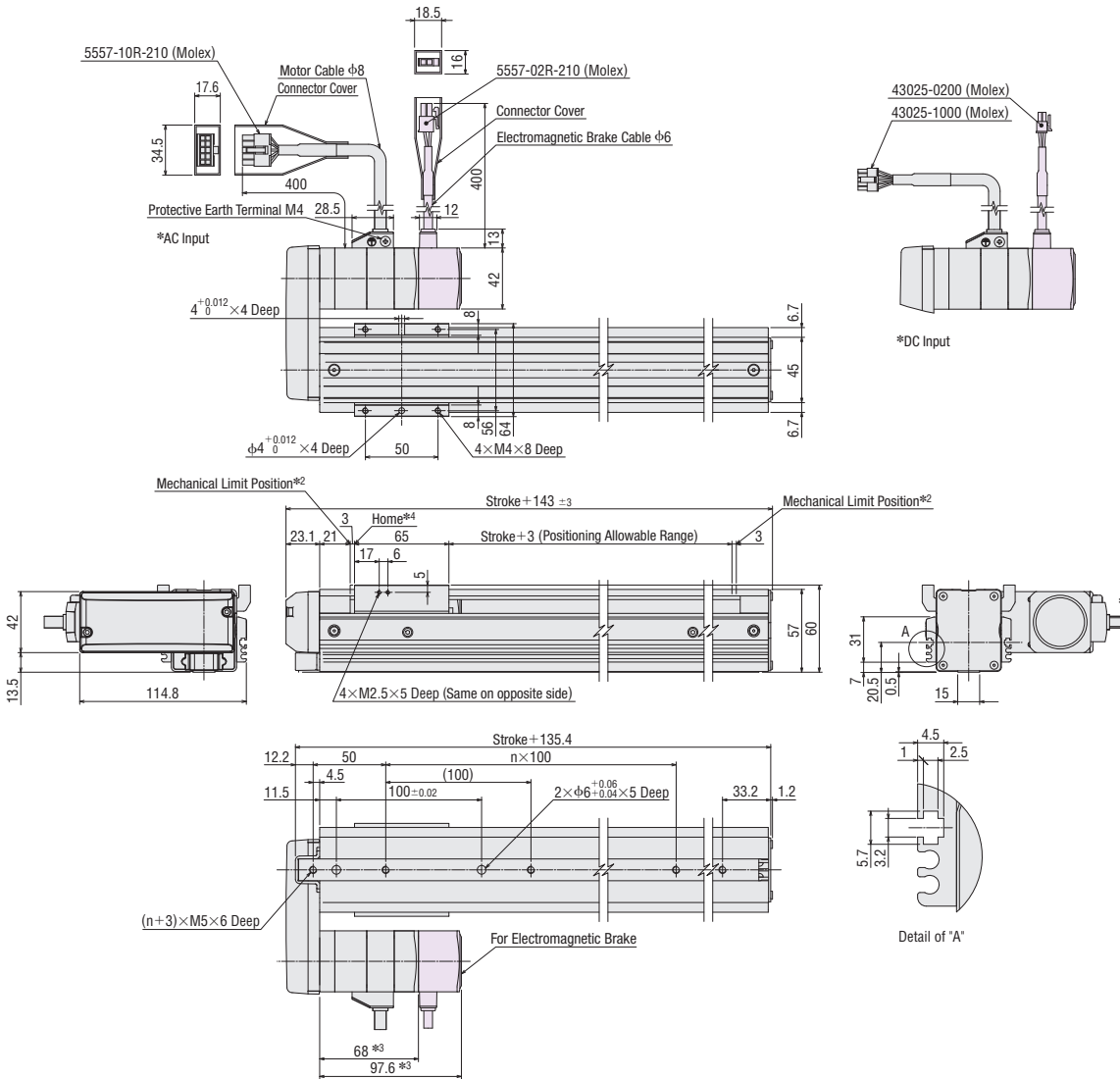
*If longer strokes are required, up to 700 mm, contact technical support for assistance.

Hole Coefficient (n)

Stroke [mm]	n
50~100	1
150~200	2
250~300	3
350~400	4
450~500	5

● For CAD data, please download from the Oriental Motor website.
<http://www.orientalmotor.com>

◇EAS4 Reversed Motor Type (Left side) X-Table



- *1 The motor cable outlet direction can be changed in 90° intervals in three directions.
- *2 During the pushing return-to-home operation, the table moves to mechanical limit position.
- *3 For DC input, total length shortens by 0.5 mm for single shaft, and 0.6 mm for the electromagnetic brake type.
- *4 When using an accessory sensor, the home position differs.
- The above figure is an outline drawing of the motor installation direction for the type left side mounted. For the type right side mounted, the motor is located on the opposite side if the linear slide is centered.

Electric Linear Slides Product Name: EASM4LXD□□□ARAK, EASM4LXD□□□ARAC, EASM4LXE□□□ARAK, EASM4LXE□□□ARAC (Single shaft)
 EASM4LXD□□□ARMK, EASM4LXD□□□ARMC, EASM4LXE□□□ARMK, EASM4LXE□□□ARMC (With electromagnetic brake)

		Number Specifiable in the Box □ within the Electric Linear Slide Product Name									
		005	010	015	020	025	030	035	040	045	050
Stroke*		50	100	150	200	250	300	350	400	450	500
Mass [kg]	Single Shaft	1.9	2.0	2.2	2.3	2.5	2.6	2.8	3.0	3.1	3.3
	With Electromagnetic Brake	2.0	2.1	2.3	2.4	2.6	2.7	2.9	3.1	3.2	3.4

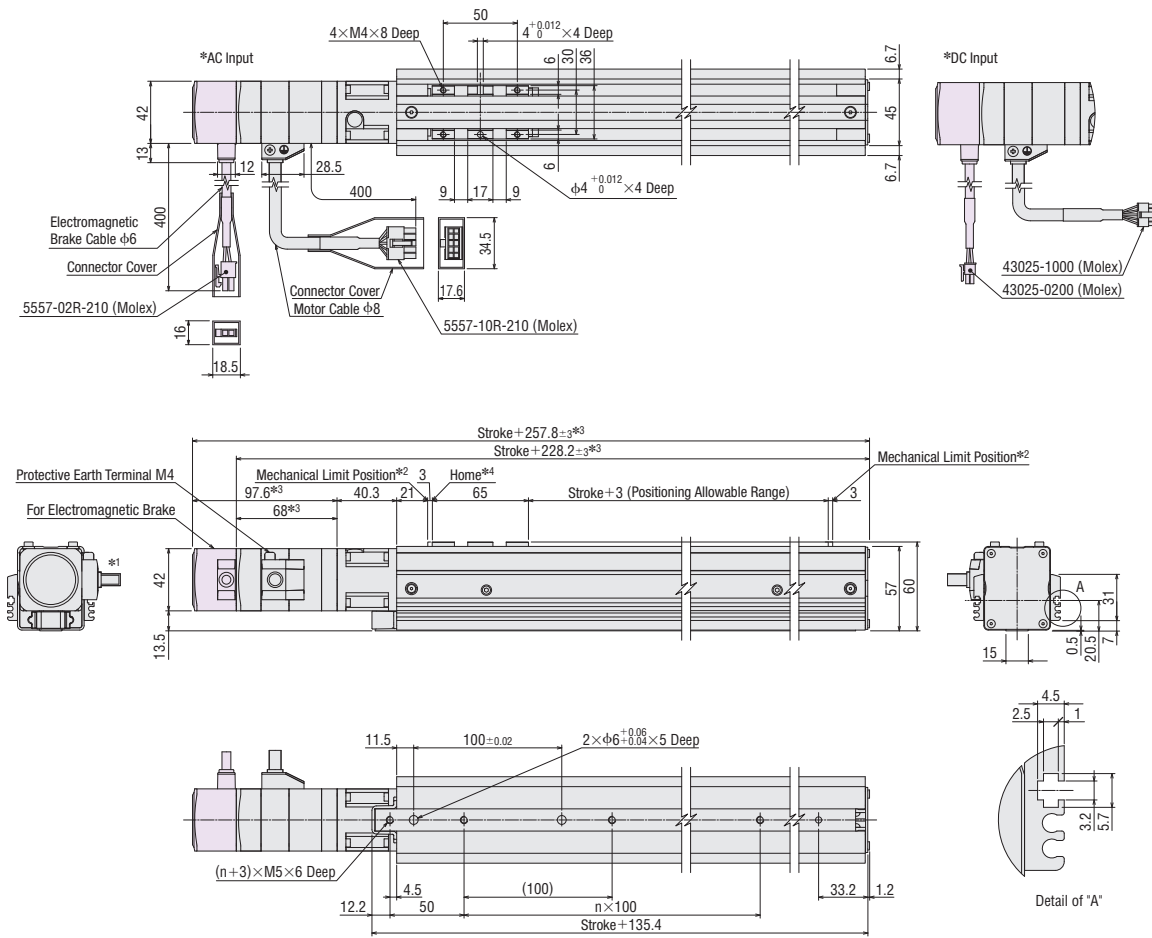
*If longer strokes are required, up to 700 mm, contact technical support for assistance.

Hole Coefficient (n)

Stroke [mm]	n
50~100	1
150~200	2
250~300	3
350~400	4
450~500	5

● For CAD data, please download from the Oriental Motor website.
<http://www.orientalmotor.com>

◇ EAS4 Straight Type Y-Table



- *1 The motor cable outlet direction can be changed in 90° intervals in four directions.
- *2 During the pushing return-to-home operation, the table moves to mechanical limit position.
- *3 For DC input, total length shortens by 0.5 mm for single shaft, and 0.6 mm for the electromagnetic brake type.
- *4 When using an accessory sensor, the home position differs.

Electric Linear Slides Product Name: EASM4YD□□□ARAK, EASM4YD□□□ARAC, EASM4YE□□□ARAK, EASM4YE□□□ARAC (Single shaft)
EASM4YD□□□ARMK, EASM4YD□□□ARMC, EASM4YE□□□ARMK, EASM4YE□□□ARMC (With electromagnetic brake)

		Number Specifiable in the Box □ within the Electric Linear Slide Product Name									
		005	010	015	020	025	030	035	040	045	050
Stroke*		50	100	150	200	250	300	350	400	450	500
Mass [kg]	Single Shaft	1.9	2.0	2.2	2.3	2.5	2.6	2.8	3.0	3.1	3.3
	With Electromagnetic Brake	2.0	2.1	2.3	2.4	2.6	2.7	2.9	3.1	3.2	3.4

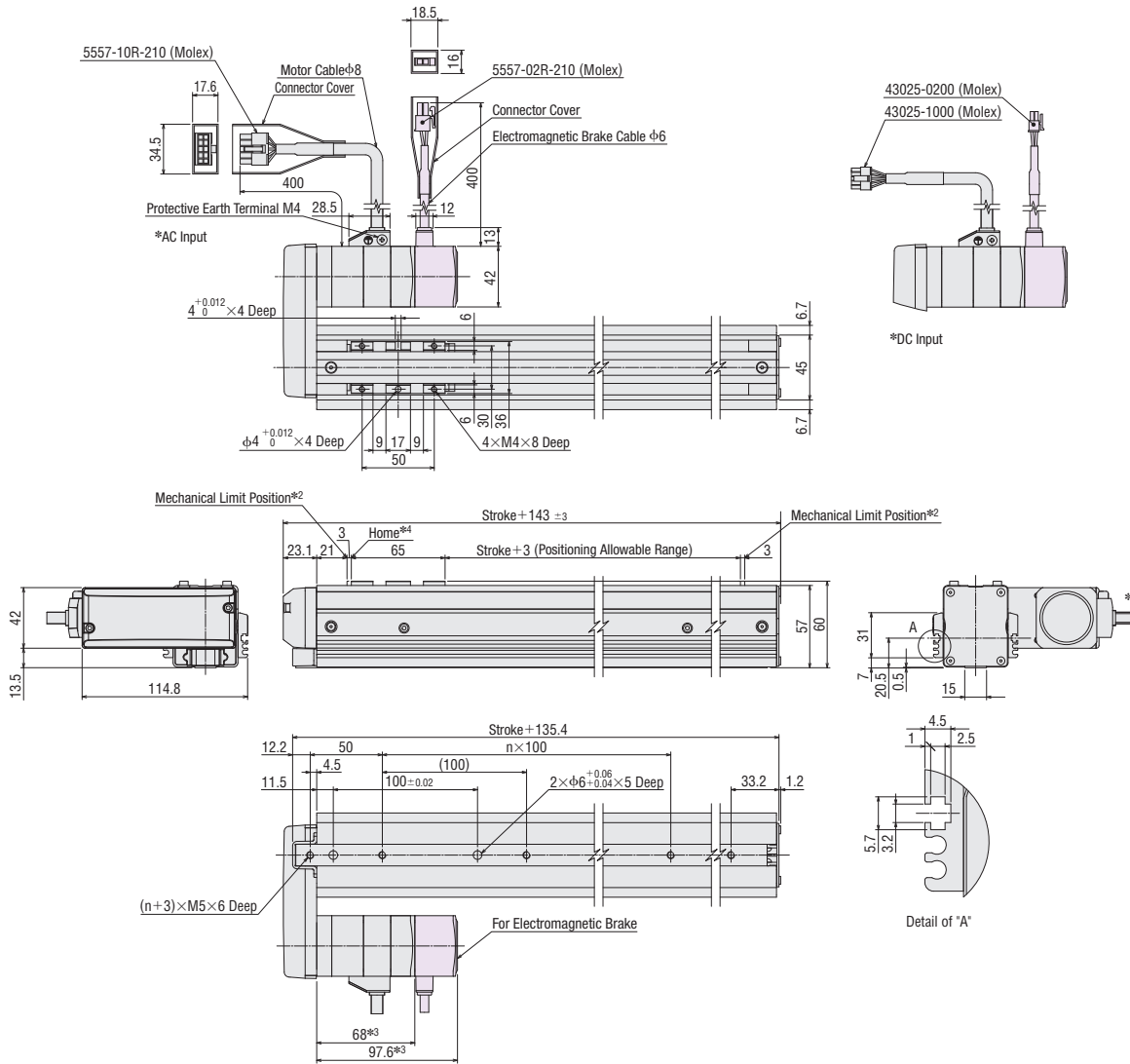
*If longer strokes are required, up to 700 mm, contact technical support for assistance.

Hole Coefficient (n)

Stroke [mm]	n
50~100	1
150~200	2
250~300	3
350~400	4
450~500	5

● For CAD data, please download from the Oriental Motor website.
<http://www.orientalmotor.com>

◇ EAS4 Reversed Motor Type (Left side) Y-Table



- *1 The motor cable outlet direction can be changed in 90° intervals in three directions.
- *2 During the pushing return-to-home operation, the table moves to mechanical limit position.
- *3 For DC input, total length shortens by 0.5 mm for single shaft, and 0.6 mm for the electromagnetic brake type.
- *4 When using an accessory sensor, the home position differs.
- The above figure is an outline drawing of the motor installation direction for the type left side mounted. For the type right side mounted, the motor is located on the opposite side if the linear slide is centered.

Electric Linear Slides Product Name: EASM4LYD□□□ARAK, EASM4LYD□□□ARAC, EASM4LYE□□□ARAK, EASM4LYE□□□ARAC (Single shaft)
 EASM4LYD□□□ARMK, EASM4LYD□□□ARMC, EASM4LYE□□□ARMK, EASM4LYE□□□ARMC (With electromagnetic brake)

		Number Specifiable in the Box □ within the Electric Linear Slide Product Name									
		005	010	015	020	025	030	035	040	045	050
Stroke*		50	100	150	200	250	300	350	400	450	500
Mass [kg]	Single Shaft	1.9	2.0	2.2	2.3	2.5	2.6	2.8	3.0	3.1	3.3
	With Electromagnetic Brake	2.0	2.1	2.3	2.4	2.6	2.7	2.9	3.1	3.2	3.4

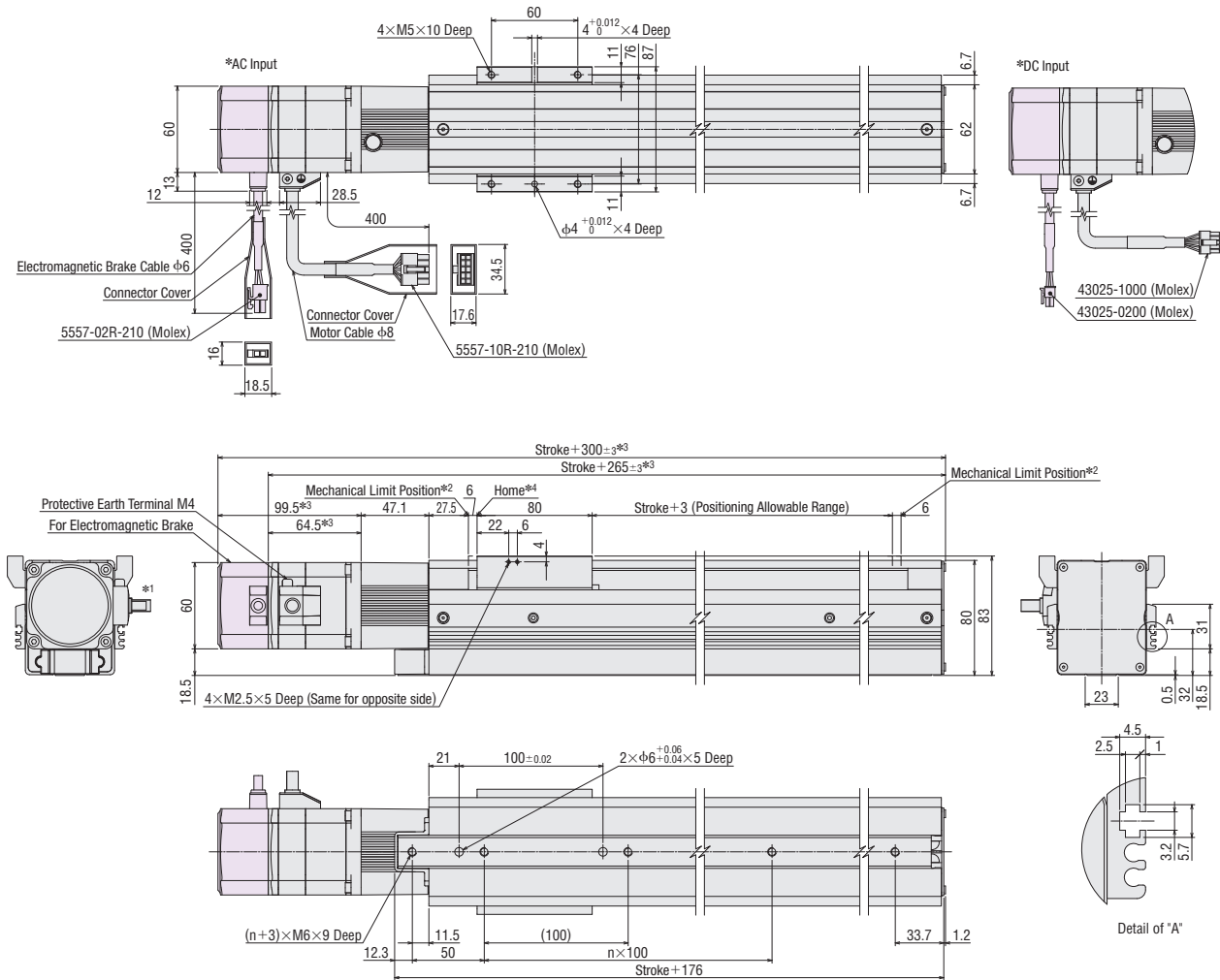
*If longer strokes are required, up to 700 mm, contact technical support for assistance.

Hole Coefficient (n)

Stroke [mm]	n
50~100	1
150~200	2
250~300	3
350~400	4
450~500	5

● For CAD data, please download from the Oriental Motor website.
<http://www.orientalmotor.com>

◇ EAS6 Straight Type X-Table



- *1 The motor cable outlet direction can be changed in 90° intervals in four directions.
- *2 During the pushing return-to-home operation, the table moves to mechanical limit position.
- *3 For DC input, the total length decreases by 0.5 mm.
- *4 When using an accessory sensor, the home position differs.

Electric Linear Slides Product Name: EASM6XD□□□ARAK, EASM6XD□□□ARAC, EASM6XE□□□ARAK, EASM6XE□□□ARAC (Single shaft)
EASM6XD□□□ARMK, EASM6XD□□□ARMC, EASM6XE□□□ARMK, EASM6XE□□□ARMC (With electromagnetic brake)

		Number Specifiable in the Box □ within the Electric Linear Slide Product Name									
		005	010	015	020	025	030	035	040	045	050
Stroke*		50	100	150	200	250	300	350	400	450	500
Mass [kg]	Single Shaft	3.9	4.2	4.5	4.8	5.1	5.3	5.6	5.9	6.2	6.5
	With Electromagnetic Brake	4.2	4.5	4.8	5.1	5.4	5.6	5.9	6.2	6.5	6.8

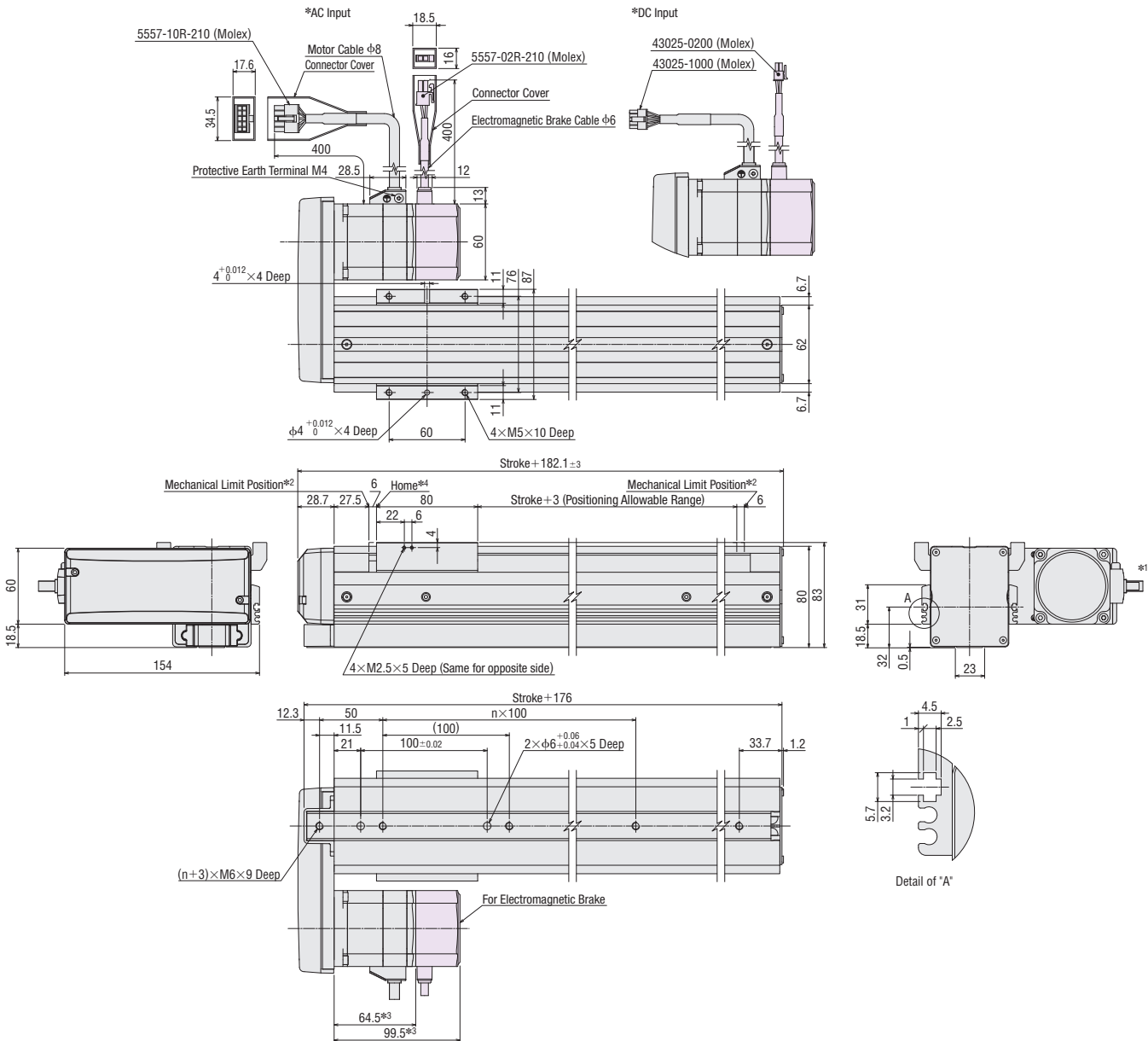
*If longer strokes are required, up to 850 mm, contact technical support for assistance.

Hole Coefficient (n)

Stroke [mm]	n
50~100	1
150~200	2
250~300	3
350~400	4
450~500	5

● For CAD data, please download from the Oriental Motor website.
<http://www.orientalmotor.com>

◇EAS6 Reversed Motor Type (Left side) X-Table



- *1 The motor cable outlet direction can be changed in 90° intervals in three directions.
 - *2 During the pushing return-to-home operation, the table moves to mechanical limit position.
 - *3 For DC input, the total length decreases by 0.5 mm.
 - *4 When using an accessory sensor, the home position differs.
- The above figure is an outline drawing of the motor installation direction for the type left side mounted. For the type right side mounted, the motor is located on the opposite side if the linear slide is centered.

Electric Linear Slides Product Name: EASM6LXD□□□ARAK, EASM6LXD□□□ARAC, EASM6LXE□□□ARAK, EASM6LXE□□□ARAC (Single shaft)
 EASM6LXD□□□ARMK, EASM6LXD□□□ARMC, EASM6LXE□□□ARMK, EASM6LXE□□□ARMC (With electromagnetic brake)

		Number Specifiable in the Box □ within the Electric Linear Slide Product Name									
		005	010	015	020	025	030	035	040	045	050
Stroke*		50	100	150	200	250	300	350	400	450	500
Mass [kg]	Single Shaft	3.9	4.2	4.5	4.8	5.1	5.3	5.6	5.9	6.2	6.5
	With Electromagnetic Brake	4.2	4.5	4.8	5.1	5.4	5.6	5.9	6.2	6.5	6.8

*If longer strokes are required, up to 850 mm, contact technical support for assistance.

Hole Coefficient (n)

Stroke [mm]	n
50~100	1
150~200	2
250~300	3
350~400	4
450~500	5

● For CAD data, please download from the Oriental Motor website.
<http://www.orientalmotor.com>

Overview,
Product
Series

Electric
Linear
Slides

αSTEP AR
EAS

Electric
Cylinders

αSTEP AR
EAC

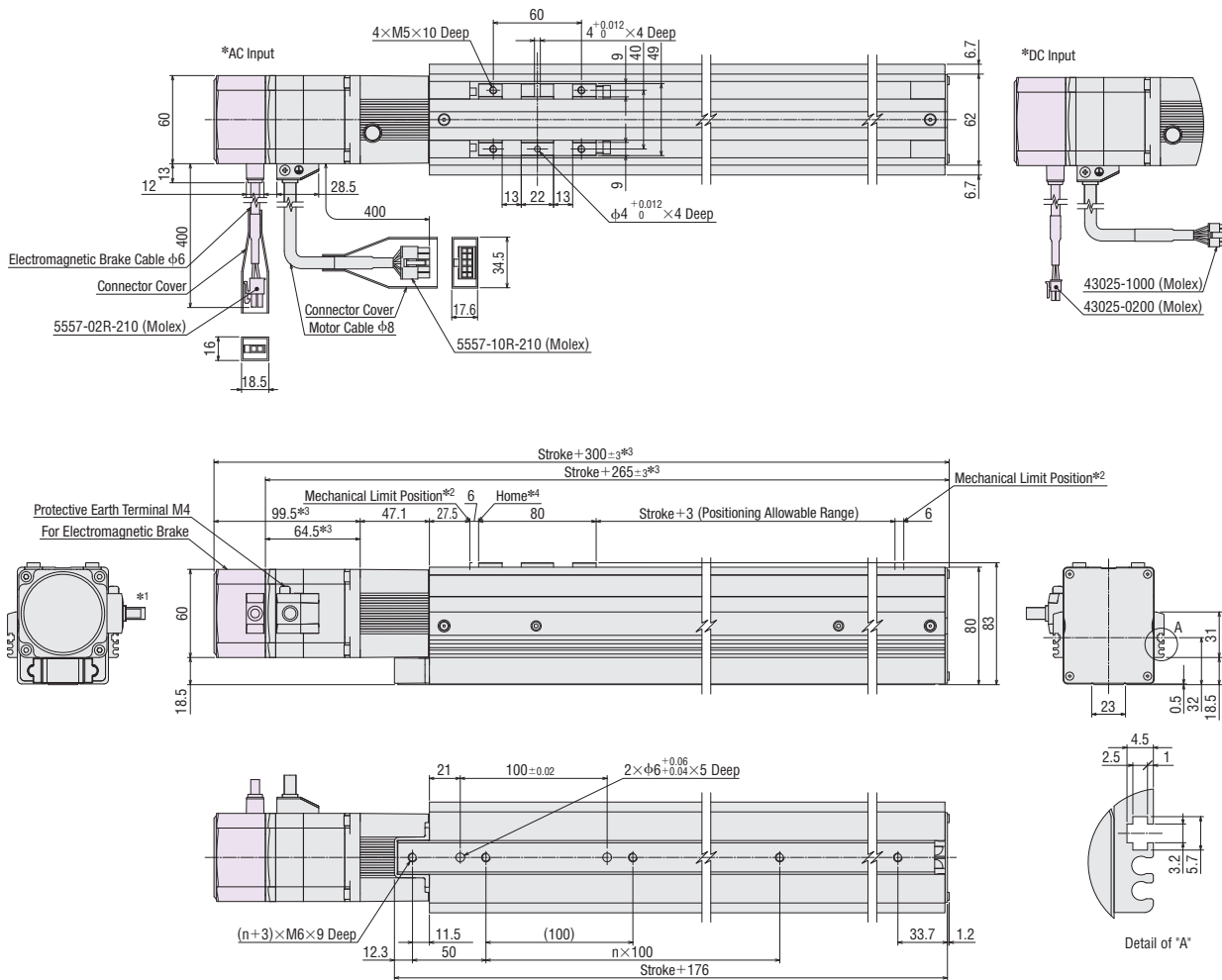
DRLII

Hollow
Rotary
Actuators

αSTEP AR
DGII

Accessories

◇ **EAS6 Straight Type Y-Table**



- *1 The motor cable outlet direction can be changed in 90° intervals in four directions.
- *2 During the pushing return-to-home operation, the table moves to mechanical limit position.
- *3 For DC input, the total length decreases by 0.5 mm.
- *4 When using an accessory sensor, the home position differs.

Electric Linear Slides Product Name: EASM6YD□□□ARAK, EASM6YD□□□ARAC, EASM6YE□□□ARAK, EASM6YE□□□ARAC (Single shaft)
EASM6YD□□□ARMK, EASM6YD□□□ARMC, EASM6YE□□□ARMK, EASM6YE□□□ARMC (With electromagnetic brake)

		Number Specifiable in the Box □ within the Electric Linear Slide Product Name									
		005	010	015	020	025	030	035	040	045	050
Stroke*		50	100	150	200	250	300	350	400	450	500
Mass [kg]	Single Shaft	3.9	4.2	4.5	4.8	5.1	5.3	5.6	5.9	6.2	6.5
	With Electromagnetic Brake	4.2	4.5	4.8	5.1	5.4	5.6	5.9	6.2	6.5	6.8

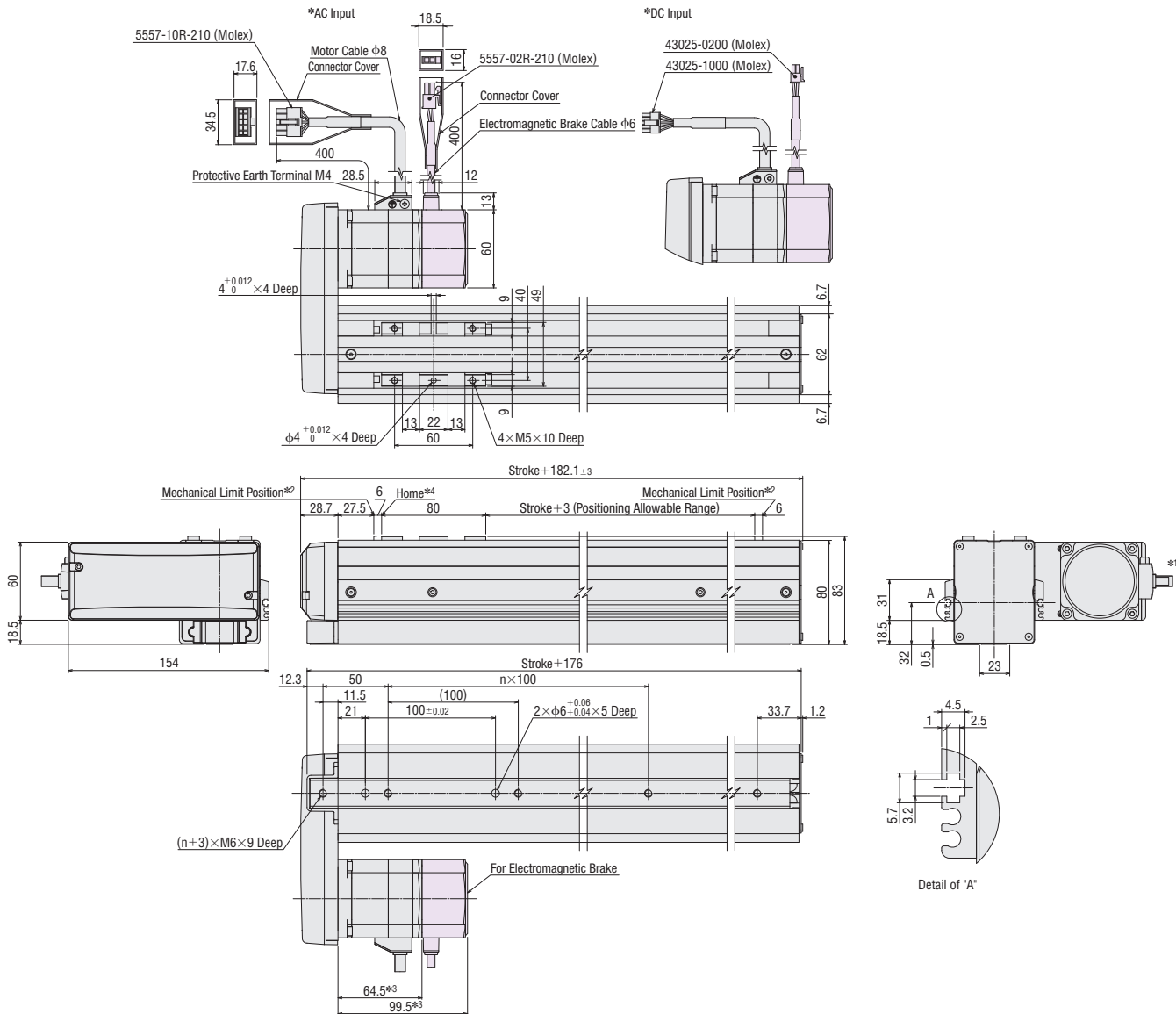
*If longer strokes are required, up to 850 mm, contact technical support for assistance.

Hole Coefficient (n)

Stroke [mm]	n
50~100	1
150~200	2
250~300	3
350~400	4
450~500	5

● For CAD data, please download from the Oriental Motor website.
<http://www.orientalmotor.com>

◇ EAS6 Reversed Motor Type (Left side) Y-Table



- *1 The motor cable outlet direction can be changed in 90° intervals in three directions.
- *2 During the pushing return-to-home operation, the table moves to mechanical limit position.
- *3 For DC input, the total length decreases by 0.5 mm.
- *4 When using an accessory sensor, the home position differs.
- The above figure is an outline drawing of the motor installation direction for the type left side mounted. For the type right side mounted, the motor is located on the opposite side if the linear slide is centered.

Electric Linear Slides Product Name: EASM6LYD□□□ARAK, EASM6LYD□□□ARAC, EASM6LYE□□□ARAK, EASM6LYE□□□ARAC (Single shaft)
 EASM6LYD□□□ARMK, EASM6LYD□□□ARMC, EASM6LYE□□□ARMK, EASM6LYE□□□ARMC (With electromagnetic brake)

		Number Specifiable in the Box □ within the Electric Linear Slide Product Name									
		005	010	015	020	025	030	035	040	045	050
Stroke*		50	100	150	200	250	300	350	400	450	500
Mass [kg]	Single Shaft	3.9	4.2	4.5	4.8	5.1	5.3	5.6	5.9	6.2	6.5
	With Electromagnetic Brake	4.2	4.5	4.8	5.1	5.4	5.6	5.9	6.2	6.5	6.8

*If longer strokes are required, up to 850 mm, contact technical support for assistance.

Hole Coefficient (n)

Stroke [mm]	n
50~100	1
150~200	2
250~300	3
350~400	4
450~500	5

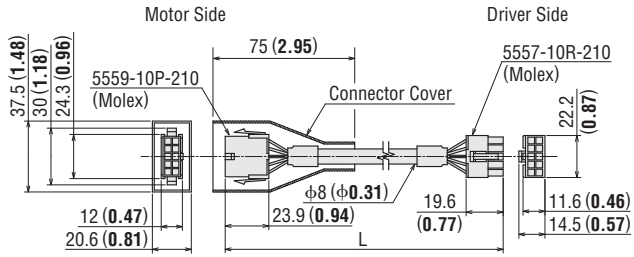
● For CAD data, please download from the Oriental Motor website.
<http://www.orientalmotor.com>

● Cables for Motor (Included), Cables for Electromagnetic Brake (Included) Unit = mm (in.)

◇ AC Input, Common to All Types

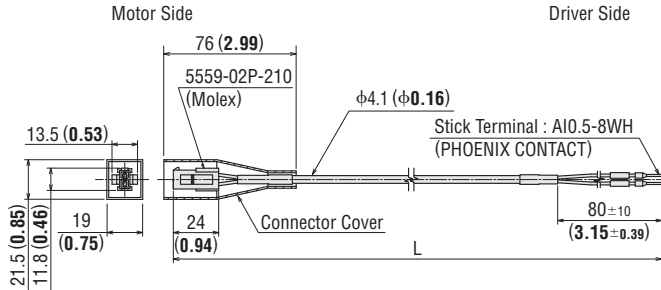
● Cables for Motor

Cable Type	Length L m (ft.)
Cable for Motor	3 (9.8)



● Cables for Electromagnetic Brake (Electromagnetic brake type only)

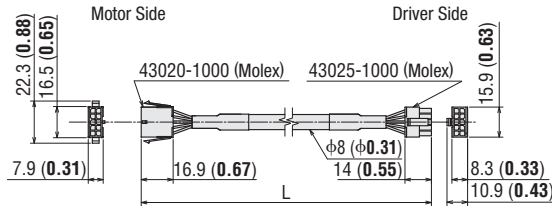
Cable Type	Length L m (ft.)
Cable for Electromagnetic Brake	3 (9.8)



◇ DC Input, Common to All Types

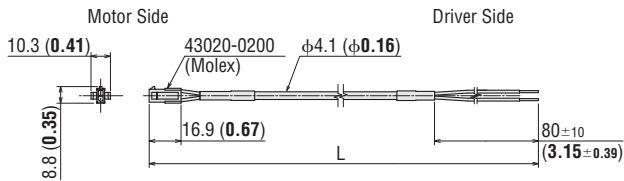
● Cables for Motor

Cable Type	Length L m (ft.)
Cable for Motor	3 (9.8)



● Cables for Electromagnetic Brake (Electromagnetic brake type only)

Cable Type	Length L m (ft.)
Cable for Electromagnetic Brake	3 (9.8)

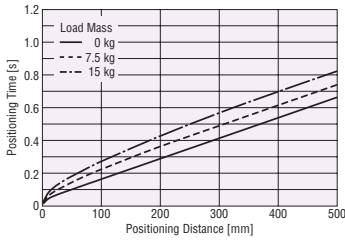


Operating Data under Typical Conditions

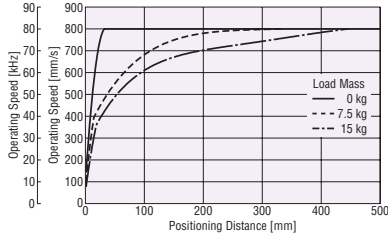
● **EAS4:** Straight Type/Reversed Motor Type, AC Input, Lead Screw Pitch: 12 mm

◇ Horizontal Direction Installation

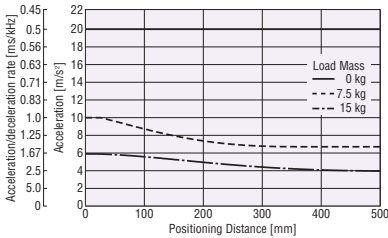
● Positioning Distance – Positioning time



● Positioning Distance – Operating Speed

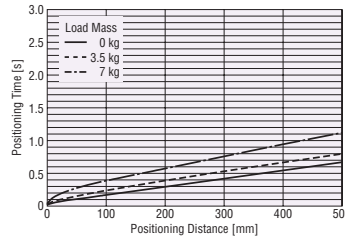


● Positioning Distance – Acceleration

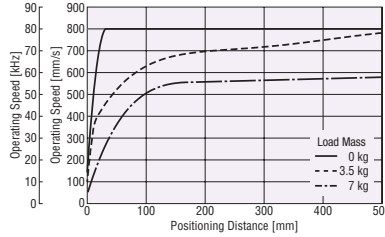


◇ Vertical Direction Installation

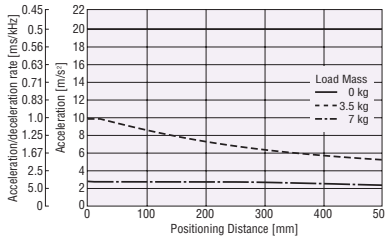
● Positioning Distance – Positioning Time



● Positioning Distance – Operating Speed



● Positioning Distance – Acceleration

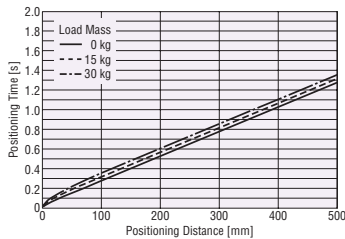


◇ Max. Speed: 800 [mm/s]

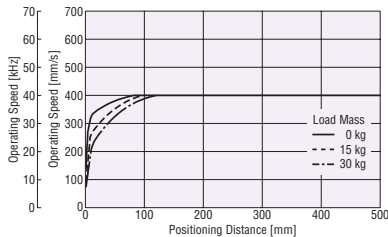
● **EAS4:** Straight Type, AC Input, Lead Screw Pitch: 6 mm

◇ Horizontal Direction Installation

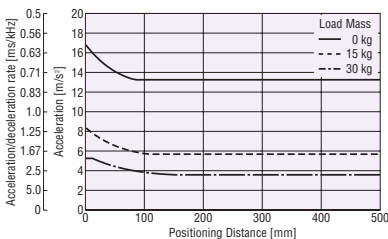
● Positioning Distance – Positioning Time



● Positioning Distance – Operating Speed

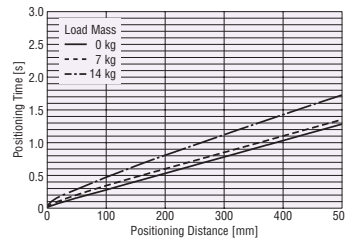


● Positioning Distance – Acceleration

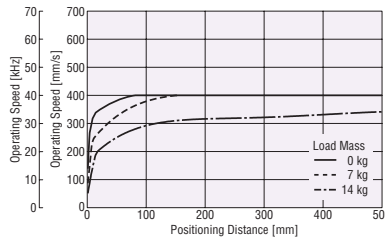


◇ Vertical Direction Installation

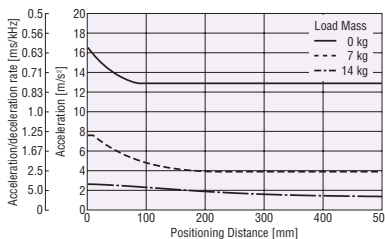
● Positioning Distance – Positioning Time



● Positioning Distance – Operating Speed



● Positioning Distance – Acceleration



◇ Max. Speed: 400 [mm/s]

● In the graphs above, the values for the operating speeds [kHz] and acceleration/deceleration rates [ms/kHz] are taken when the minimum traveling amount of the electric linear slide is set to 0.01 mm.

Overview,
Product
Series

Electric
Linear
Slides

Q_{STEP} AR
EAS

Electric
Cylinders

Q_{STEP} AR
EAC

DRLII

Hollow
Rotary
Actuators

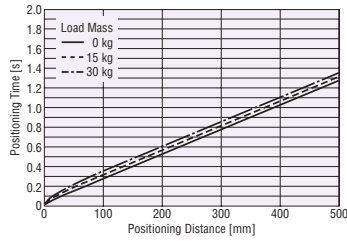
Q_{STEP} AR
DGII

Accessories

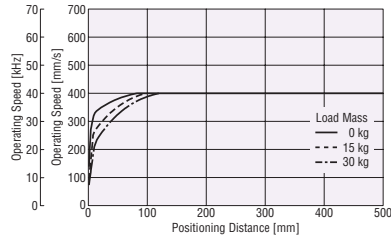
● **EAS4: Reversed Motor Type, AC Input, Lead Screw Pitch: 6 mm**

◇ Horizontal Direction Installation

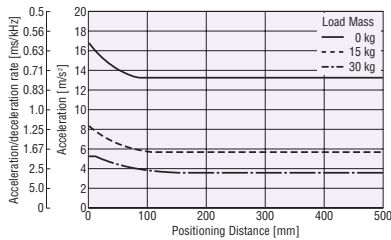
● Positioning Distance – Positioning Time



● Positioning Distance – Operating Speed

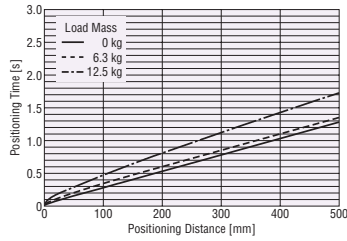


● Positioning Distance – Acceleration

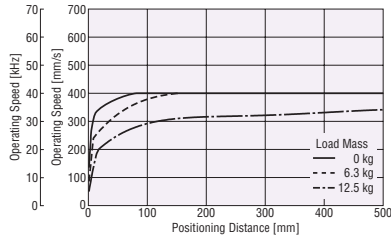


◇ Vertical Direction Installation

● Positioning Distance – Positioning Time

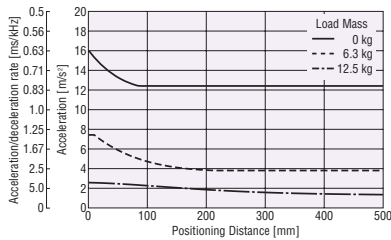


● Positioning Distance – Operating Speed



◇ Max. Speed: 400 [mm/s]

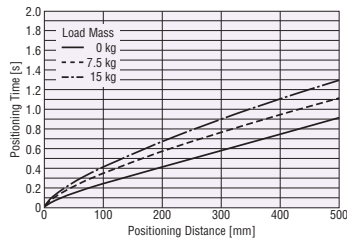
● Positioning Distance – Acceleration



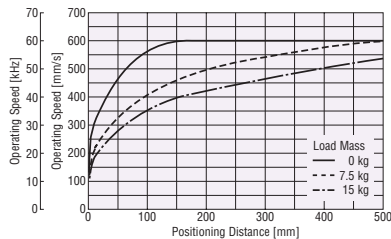
● **EAS4: Straight Type/Reversed Motor Type, 24 VDC input, Lead Screw Pitch: 12 mm**

◇ Horizontal Direction Installation

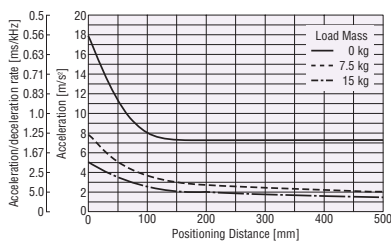
● Positioning Distance – Positioning Time



● Positioning Distance – Operating Speed

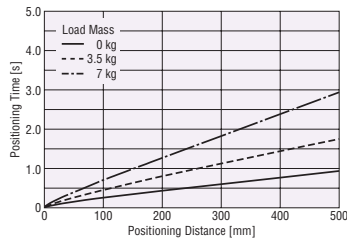


● Positioning Distance – Acceleration

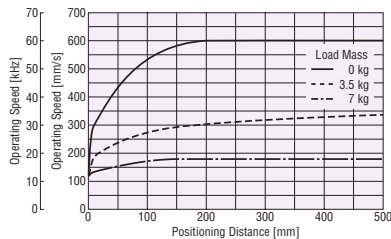


◇ Vertical Direction Installation

● Positioning Distance – Positioning Time

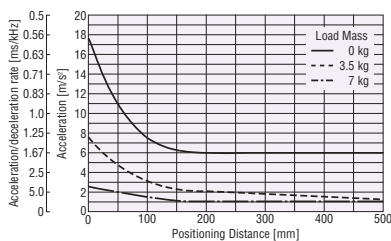


● Positioning Distance – Operating Speed



◇ Max. Speed: 600 [mm/s]

● Positioning Distance – Acceleration

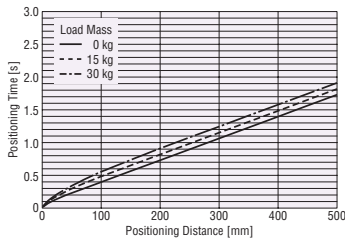


● In the graphs above, the values for the operating speeds [kHz] and acceleration/deceleration rates [ms/kHz] are taken when the minimum traveling amount of the electric linear slide is set to 0.01 mm.

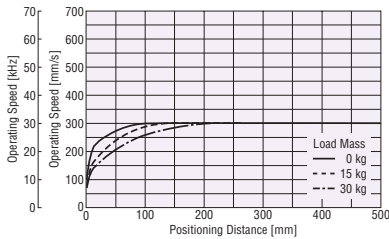
● **EAS4: Straight Type, 24 VDC Input, Lead Screw Pitch: 6 mm**

◇ Horizontal Direction Installation

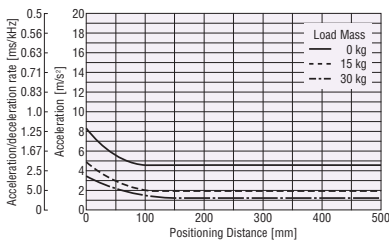
● Positioning Distance – Positioning Time



● Positioning Distance – Operating Speed

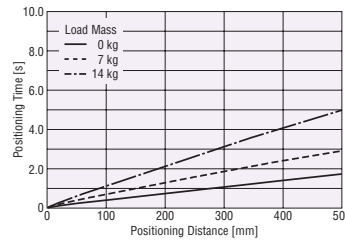


● Positioning Distance – Acceleration

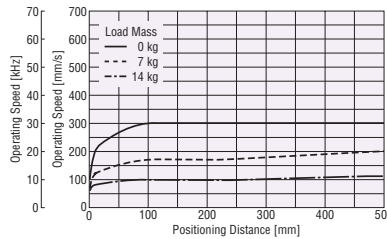


◇ Vertical Direction Installation

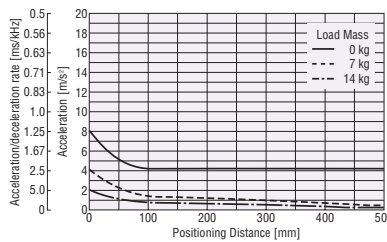
● Positioning Distance – Positioning Time



● Positioning Distance – Operating Speed



● Positioning Distance – Acceleration

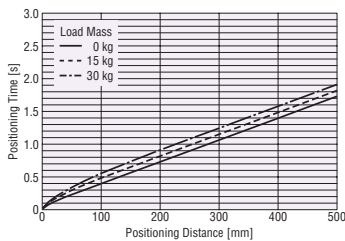


◇ Max. Speed: 300 [mm/s]

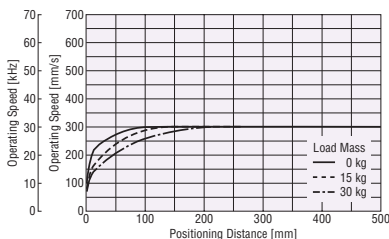
● **EAS4: Reversed Motor Type, 24 VDC Input, Lead Screw Pitch: 6 mm**

◇ Horizontal Direction Installation

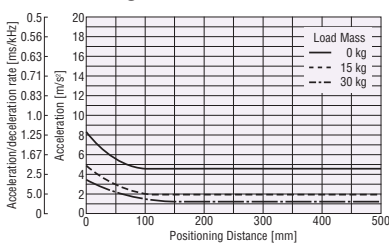
● Positioning Distance – Positioning Time



● Positioning Distance – Operating Speed

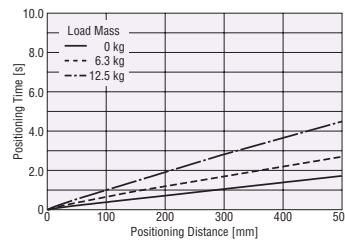


● Positioning Distance – Acceleration

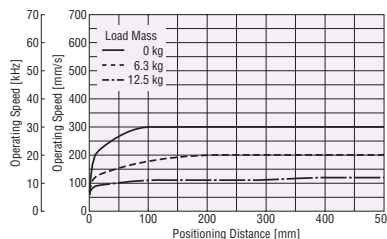


◇ Vertical Direction Installation

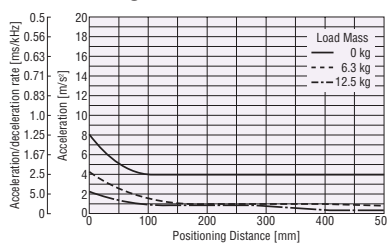
● Positioning Distance – Positioning Time



● Positioning Distance – Operating Speed



● Positioning Distance – Acceleration



◇ Max. Speed: 300 [mm/s]

● In the graphs above, the values for the operating speeds [kHz] and acceleration/deceleration rates [ms/kHz] are taken when the minimum traveling amount of the electric linear slide is set to 0.01 mm.

Overview,
Product
Series

Electric
Linear
Slides

ALSTEP AR
EAS

Electric
Cylinders

ALSTEP AR
EAC

DRLII

Hollow
Rotary
Actuators

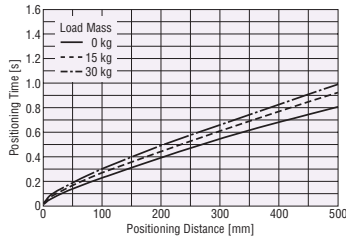
ALSTEP AR
DGII

Accessories

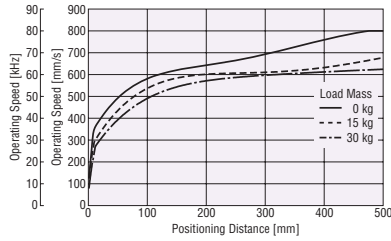
● **EAS6: Straight Type/Reversed Motor Type, AC Input, Lead Screw Pitch: 12 mm**

◇ Horizontal Direction Installation

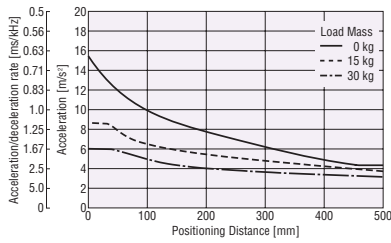
● Positioning Distance – Positioning Time



● Positioning Distance – Operating Speed

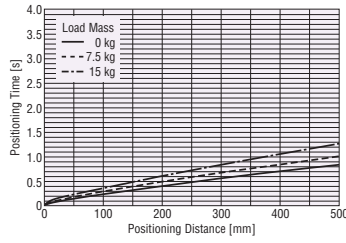


● Positioning Distance – Acceleration

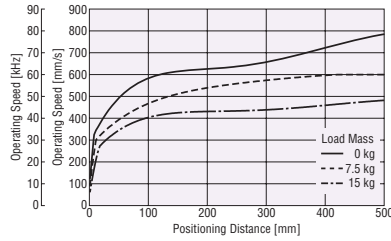


◇ Vertical Direction Installation

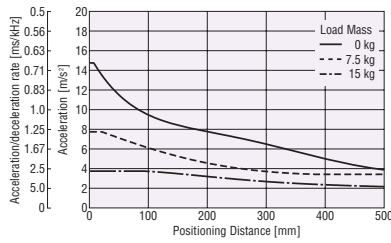
● Positioning Distance – Positioning Time



● Positioning Distance – Operating Speed



● Positioning Distance – Acceleration

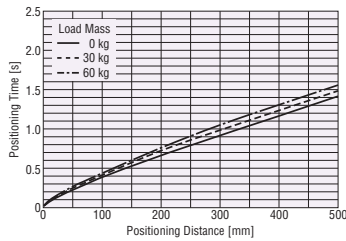


◇ Max. Speed: 800 [mm/s]

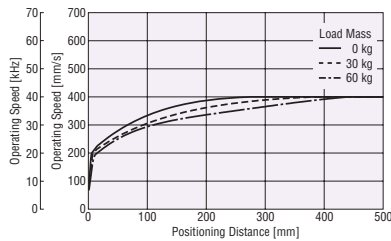
● **EAS6: Straight Type/Reversed Motor Type, AC Input, Lead Screw Pitch: 6 mm**

◇ Horizontal Direction Installation

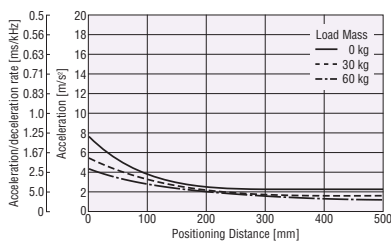
● Positioning Distance – Positioning Time



● Positioning Distance – Operating Speed

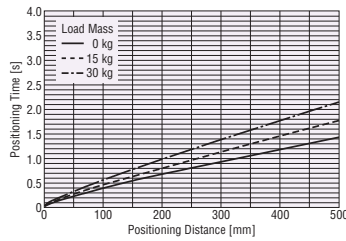


● Positioning Distance – Acceleration

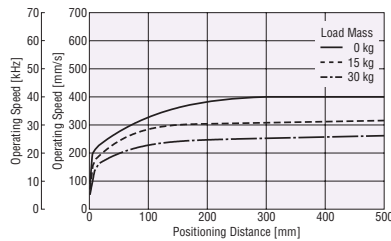


◇ Vertical Direction Installation

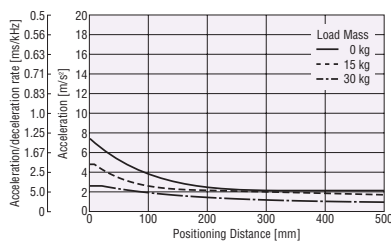
● Positioning Distance – Positioning Time



● Positioning Distance – Operating Speed



● Positioning Distance – Acceleration



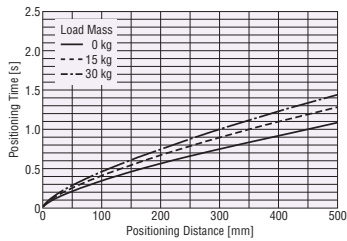
◇ Max. Speed: 400 [mm/s]

● In the graphs above, the values for the operating speeds [kHz] and acceleration/deceleration rates [ms/kHz] are taken when the minimum traveling amount of the electric linear slide is set to 0.01 mm.

● **EAS6:** Straight Type/Reversed Motor Type, 24 VDC Input, Lead Screw Pitch: 12 mm

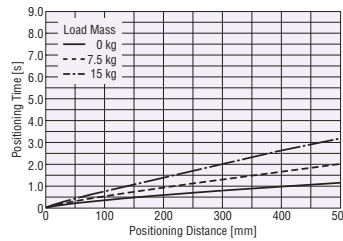
◇ Horizontal Direction Installation

● Positioning Distance – Positioning Time

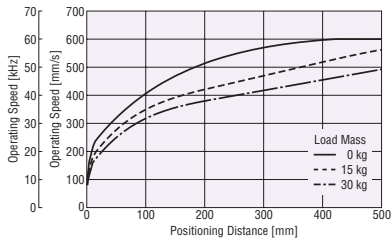


◇ Vertical Direction Installation

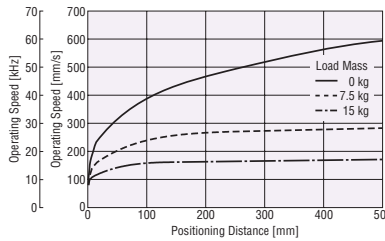
● Positioning Distance – Positioning Time



● Positioning Distance – Operating Speed

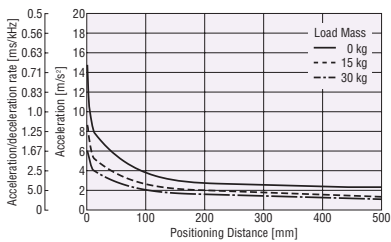


● Positioning Distance – Operating Speed

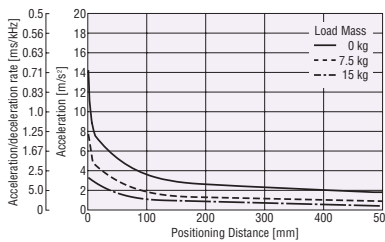


◇ Max. Speed: 600 [mm/s]

● Positioning Distance – Acceleration



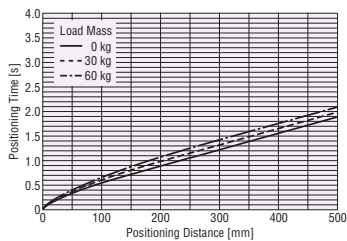
● Positioning Distance – Acceleration



● **EAS6:** Straight Type/Reversed Motor Type, 24 VDC Input, Lead Screw Pitch: 6 mm

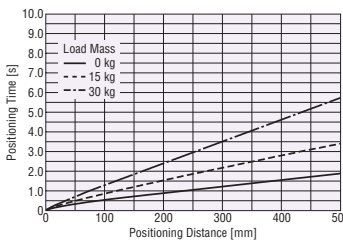
◇ Horizontal Direction Installation

● Positioning Distance – Positioning Time

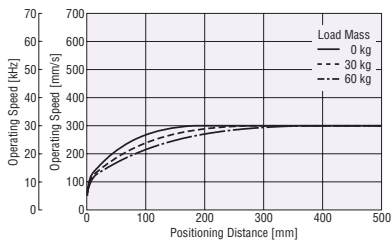


◇ Vertical Direction Installation

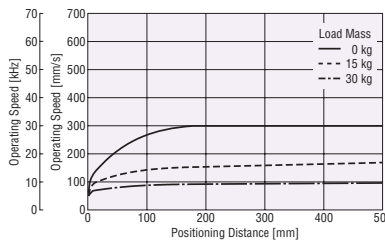
● Positioning Distance – Positioning Time



● Positioning Distance – Operating Speed



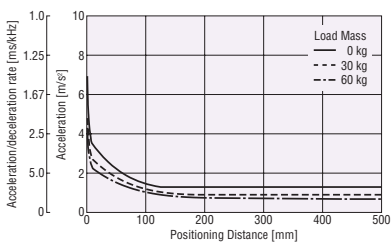
● Positioning Distance – Operating Speed



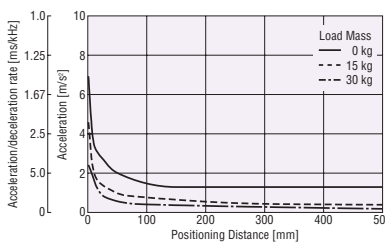
◇ Max. Speed: 300 [mm/s]

● If used at an operating speed of 150 mm or more, acceleration is 2.17 m/s² or less.

● Positioning Distance – Acceleration



● Positioning Distance – Acceleration



● In the graphs above, the values for the operating speeds [kHz] and acceleration/deceleration rates [ms/kHz] are taken when the minimum traveling amount of the electric linear slide is set to 0.01 mm.

Overview,
Product
Series

Electric
Linear
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QSTEP AR
EAS

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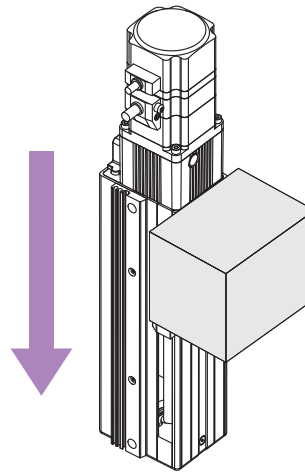
QSTEP AR
DGII

Accessories

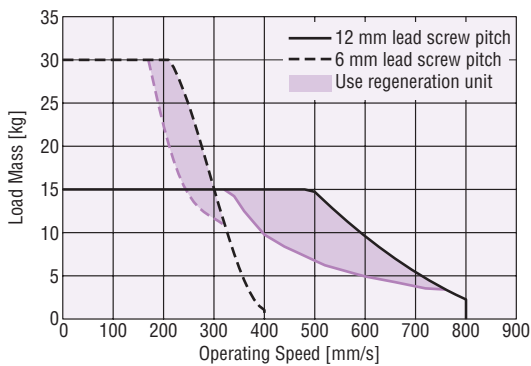
About Use of the EAS6 (AC Input Type) for Vertical Driving

When operating **EAS6*** type electric linear slides in the vertical direction, depending on the driving conditions, an overvoltage protection alarm may be detected. In such case, refer to the operating speed-transportable mass characteristics diagram, and connect the **RGB100** regeneration unit accessory (sold separately).

*AC input X/Y type, **D** (12 mm lead screw pitch) / **E** (6 mm lead screw pitch), both straight and reversed motor types



Example of Vertical Use



Region in which the **EAS6** type regeneration unit is necessary

● Regeneration Unit

When a regeneration unit is attached to the special terminal on the driver, the regenerative power that is fed back from the motor is released as heat energy.



◇ Product Line

Product Name	Applicable Products	List Price
RGB100	EAS Series AR Equipped (AC Input)	\$59.00

◇ Specifications

Item	Specifications
Continuous Regenerative Power	50 W
Resistance Value	150 Ω
Thermostat Operating Temperature	Open: 150±7°C (302±13°F) Close: 145±12°C (293±22°F) (Normally closed)
Thermostat Electrical Rating	120 VAC 4 A 30 VDC 4 A (Minimum current 5 mA)

● Install the regeneration unit in the place which has the same heat radiation capability as heat radiation plate [Material: Aluminum 350 mm×350 mm (13.8 in.×13.8 in.), 3 mm (0.12 in.) thick].

Electric Linear Slide and Driver Combinations

The product names for electric linear slide and driver combinations are shown below.

● Built-in Controller Type

◇ Straight Type

Electromagnetic Brake	Product Name	Electric Linear Slide Product Name	Driver Product Name
Not equipped	EAS4X-E □□□- ARA □ D-3	EASM4XE□□□ARA□	ARD-□□
	EAS4X-D □□□- ARA □ D-3	EASM4XD□□□ARA□	
	EAS4Y-E □□□- ARA □ D-3	EASM4YE□□□ARA□	
	EAS4Y-D □□□- ARA □ D-3	EASM4YD□□□ARA□	
	EAS6X-E □□□- ARA □ D-3	EASM6XE□□□ARA□	
	EAS6X-D □□□- ARA □ D-3	EASM6XD□□□ARA□	
	EAS6Y-E □□□- ARA □ D-3	EASM6YE□□□ARA□	
	EAS6Y-D □□□- ARA □ D-3	EASM6YD□□□ARA□	
Equipped	EAS4X-E □□□- ARM □ D-3	EASM4XE□□□ARM□	
	EAS4X-D □□□- ARM □ D-3	EASM4XD□□□ARM□	
	EAS4Y-E □□□- ARM □ D-3	EASM4YE□□□ARM□	
	EAS4Y-D □□□- ARM □ D-3	EASM4YD□□□ARM□	
	EAS6X-E □□□- ARM □ D-3	EASM6XE□□□ARM□	
	EAS6X-D □□□- ARM □ D-3	EASM6XD□□□ARM□	
	EAS6Y-E □□□- ARM □ D-3	EASM6YE□□□ARM□	
	EAS6Y-D □□□- ARM □ D-3	EASM6YD□□□ARM□	

◇ Reversed Motor Type

Electromagnetic Brake	Product Name	Electric Linear Slide Product Name	Driver Product Name
Not equipped	EAS4RX-E □□□- ARA □ D-3	EASM4RXE□□□ARA□	ARD-□□
	EAS4RX-D □□□- ARA □ D-3	EASM4RXD□□□ARA□	
	EAS4RY-E □□□- ARA □ D-3	EASM4RYE□□□ARA□	
	EAS4RY-D □□□- ARA □ D-3	EASM4RYD□□□ARA□	
	EAS4LX-E □□□- ARA □ D-3	EASM4LXE□□□ARA□	
	EAS4LX-D □□□- ARA □ D-3	EASM4LXD□□□ARA□	
	EAS4LY-E □□□- ARA □ D-3	EASM4LYE□□□ARA□	
	EAS4LY-D □□□- ARA □ D-3	EASM4LYD□□□ARA□	
	EAS6RX-E □□□- ARA □ D-3	EASM6RXE□□□ARA□	
	EAS6RX-D □□□- ARA □ D-3	EASM6RXD□□□ARA□	
	EAS6RY-E □□□- ARA □ D-3	EASM6RYE□□□ARA□	
	EAS6RY-D □□□- ARA □ D-3	EASM6RYD□□□ARA□	
	EAS6LX-E □□□- ARA □ D-3	EASM6LXE□□□ARA□	
	EAS6LX-D □□□- ARA □ D-3	EASM6LXD□□□ARA□	
EAS6LY-E □□□- ARA □ D-3	EASM6LYE□□□ARA□		
EAS6LY-D □□□- ARA □ D-3	EASM6LYD□□□ARA□		
Equipped	EAS4RX-E □□□- ARM □ D-3	EASM4RXE□□□ARM□	
	EAS4RX-D □□□- ARM □ D-3	EASM4RXD□□□ARM□	
	EAS4RY-E □□□- ARM □ D-3	EASM4RYE□□□ARM□	
	EAS4RY-D □□□- ARM □ D-3	EASM4RYD□□□ARM□	
	EAS4LX-E □□□- ARM □ D-3	EASM4LXE□□□ARM□	
	EAS4LX-D □□□- ARM □ D-3	EASM4LXD□□□ARM□	
	EAS4LY-E □□□- ARM □ D-3	EASM4LYE□□□ARM□	
	EAS4LY-D □□□- ARM □ D-3	EASM4LYD□□□ARM□	
	EAS6RX-E □□□- ARM □ D-3	EASM6RXE□□□ARM□	
	EAS6RX-D □□□- ARM □ D-3	EASM6RXD□□□ARM□	
	EAS6RY-E □□□- ARM □ D-3	EASM6RYE□□□ARM□	
	EAS6RY-D □□□- ARM □ D-3	EASM6RYD□□□ARM□	
	EAS6LX-E □□□- ARM □ D-3	EASM6LXE□□□ARM□	
	EAS6LX-D □□□- ARM □ D-3	EASM6LXD□□□ARM□	
EAS6LY-E □□□- ARM □ D-3	EASM6LYE□□□ARM□		
EAS6LY-D □□□- ARM □ D-3	EASM6LYD□□□ARM□		

● Pulse Input Type

◇ Straight Type

Electromagnetic Brake	Product Name	Electric Linear Slide Product Name	Driver Product Name	
Not equipped	EAS4X-E □□□- ARA □ -3	EASM4XE□□□ARA□	ARD-□	
	EAS4X-D □□□- ARA □ -3	EASM4XD□□□ARA□		
	EAS4Y-E □□□- ARA □ -3	EASM4YE□□□ARA□		
	EAS4Y-D □□□- ARA □ -3	EASM4YD□□□ARA□		
	EAS6X-E □□□- ARA □ -3	EASM6XE□□□ARA□		
	EAS6X-D □□□- ARA □ -3	EASM6XD□□□ARA□		
	EAS6Y-E □□□- ARA □ -3	EASM6YE□□□ARA□		
	EAS6Y-D □□□- ARA □ -3	EASM6YD□□□ARA□		
	Equipped	EAS4X-E □□□- ARM □ -3		EASM4XE□□□ARM□
		EAS4X-D □□□- ARM □ -3		EASM4XD□□□ARM□
		EAS4Y-E □□□- ARM □ -3		EASM4YE□□□ARM□
		EAS4Y-D □□□- ARM □ -3		EASM4YD□□□ARM□
		EAS6X-E □□□- ARM □ -3		EASM6XE□□□ARM□
		EAS6X-D □□□- ARM □ -3		EASM6XD□□□ARM□
EAS6Y-E □□□- ARM □ -3		EASM6YE□□□ARM□		
EAS6Y-D □□□- ARM □ -3		EASM6YD□□□ARM□		

◇ Reversed Motor Type

Electromagnetic Brake	Product Name	Electric Linear Slide Product Name	Driver Product Name
Not equipped	EAS4RX-E □□□- ARA □ -3	EASM4RXE□□□ARA□	ARD-□
	EAS4RX-D □□□- ARA □ -3	EASM4RXD□□□ARA□	
	EAS4RY-E □□□- ARA □ -3	EASM4RYE□□□ARA□	
	EAS4RY-D □□□- ARA □ -3	EASM4RYD□□□ARA□	
	EAS4LX-E □□□- ARA □ -3	EASM4LXE□□□ARA□	
	EAS4LX-D □□□- ARA □ -3	EASM4LXD□□□ARA□	
	EAS4LY-E □□□- ARA □ -3	EASM4LYE□□□ARA□	
	EAS4LY-D □□□- ARA □ -3	EASM4LYD□□□ARA□	
	EAS6RX-E □□□- ARA □ -3	EASM6RXE□□□ARA□	
	EAS6RX-D □□□- ARA □ -3	EASM6RXD□□□ARA□	
	EAS6RY-E □□□- ARA □ -3	EASM6RYE□□□ARA□	
	EAS6RY-D □□□- ARA □ -3	EASM6RYD□□□ARA□	
	EAS6LX-E □□□- ARA □ -3	EASM6LXE□□□ARA□	
	EAS6LX-D □□□- ARA □ -3	EASM6LXD□□□ARA□	
EAS6LY-E □□□- ARA □ -3	EASM6LYE□□□ARA□		
EAS6LY-D □□□- ARA □ -3	EASM6LYD□□□ARA□		
Equipped	EAS4RX-E □□□- ARM □ -3	EASM4RXE□□□ARM□	
	EAS4RX-D □□□- ARM □ -3	EASM4RXD□□□ARM□	
	EAS4RY-E □□□- ARM □ -3	EASM4RYE□□□ARM□	
	EAS4RY-D □□□- ARM □ -3	EASM4RYD□□□ARM□	
	EAS4LX-E □□□- ARM □ -3	EASM4LXE□□□ARM□	
	EAS4LX-D □□□- ARM □ -3	EASM4LXD□□□ARM□	
	EAS4LY-E □□□- ARM □ -3	EASM4LYE□□□ARM□	
	EAS4LY-D □□□- ARM □ -3	EASM4LYD□□□ARM□	
	EAS6RX-E □□□- ARM □ -3	EASM6RXE□□□ARM□	
	EAS6RX-D □□□- ARM □ -3	EASM6RXD□□□ARM□	
	EAS6RY-E □□□- ARM □ -3	EASM6RYE□□□ARM□	
	EAS6RY-D □□□- ARM □ -3	EASM6RYD□□□ARM□	
	EAS6LX-E □□□- ARM □ -3	EASM6LXE□□□ARM□	
	EAS6LX-D □□□- ARM □ -3	EASM6LXD□□□ARM□	
EAS6LY-E □□□- ARM □ -3	EASM6LYE□□□ARM□		
EAS6LY-D □□□- ARM □ -3	EASM6LYD□□□ARM□		

- A number indicating the stroke length is entered where the box □ is located within the product name, and in the electric linear slide product name.
- Either **A** (single-phase 100-115 (120) VAC), **C** (single-phase 200-230 (240) VAC), **S** (three-phase 200-230 VAC: pulse input only), or **K** (24 VDC) indicating power supply input is entered where the box □ is located within the product name and in the driver product name.
- Either C (AC input) or K (DC input) indicating the power supply input is entered where the box ■ is located within the electric linear slide product name.

