

Linear & Rotary Actuators

Electric Cylinders

Overview,
Product
Series

Electric
Linear
Slides

*α*STEP AR
EAS

Electric
Cylinders

*α*STEP AR
EAC

DRLII

Hollow
Rotary
Actuators

*α*STEP AR
DGLII

Accessories

EAC Series
*α*STEP AR Equipped

DRLII Series

Page

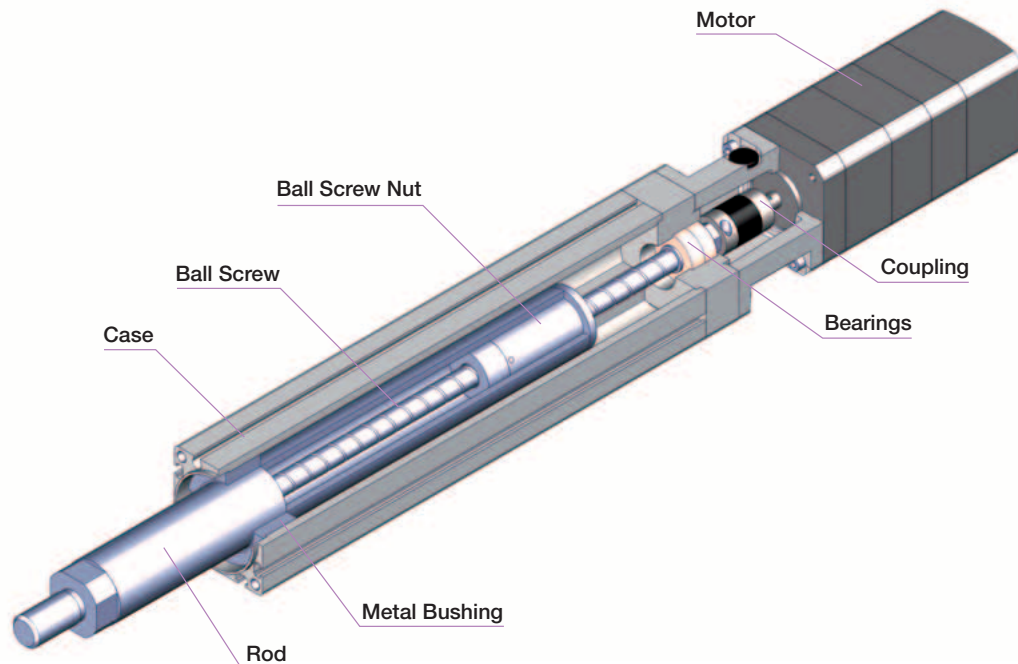
EAC Series <i>α</i> STEP AR Equipped	E-56
DRLII Series	E-108

Features of Electric Cylinders

Electric cylinders are capable of linear drive in a precise, accurate manner through the rotation of a ball screw controlled by a stepper motor.

EAC Series

The ball screw is rotated by a stepper motor to position heavy loads with high accuracy. This illustration shows a straight type.

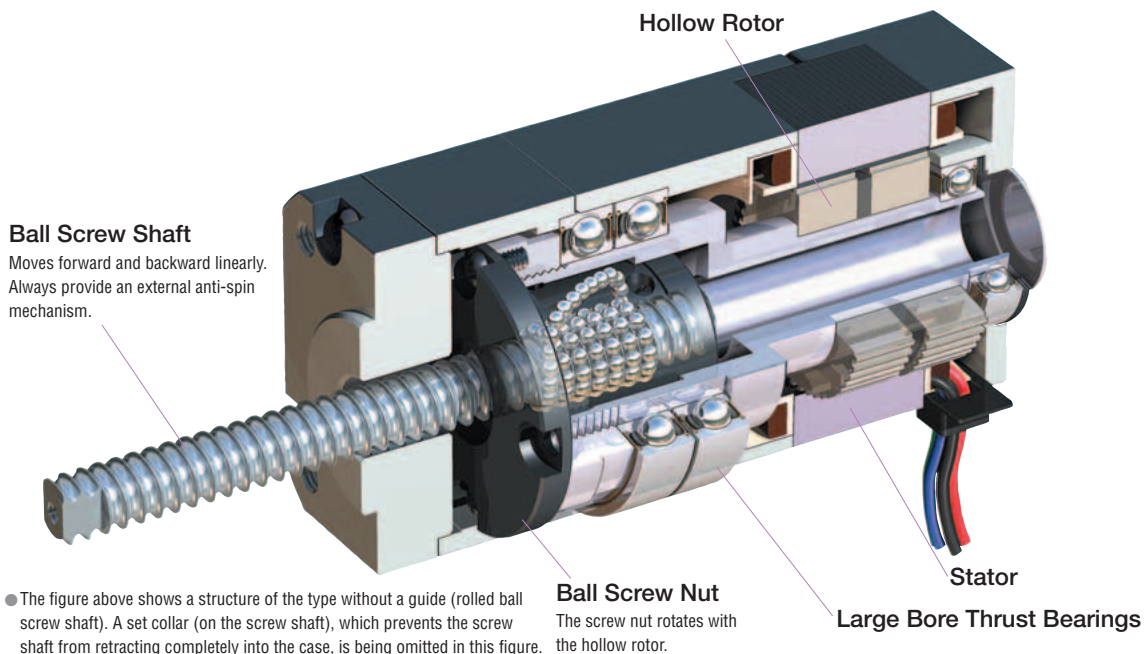


DRLII Series

A ball screw nut is joined to the hollow rotor.

Due to the rigidity of the coupling and the combination of parts used, the effect of backlash has been reduced, making high accuracy positioning operations possible.

This illustration shows the type without a guide.



● EAC Series Product Line

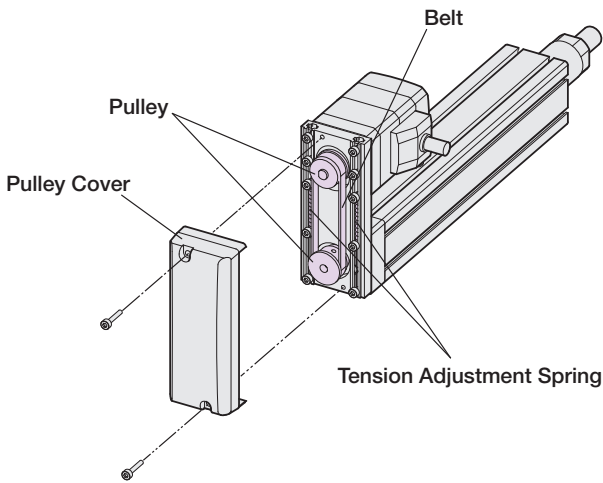
The **EAC** Series, which uses aluminum for the rod component, is a line of electric cylinders that produces high thrust force despite their compact and lightweight body. The unique structure suppresses vibration to achieve improved acceleration characteristics and high-speed positioning operation. In addition, all products are affordably priced.

In addition to the straight type, reversed motor types and products equipped with shaft guide covers are available.

◇ Reversed Motor Type

Thanks to the belt mechanism, this type features a reversed motor installation direction.

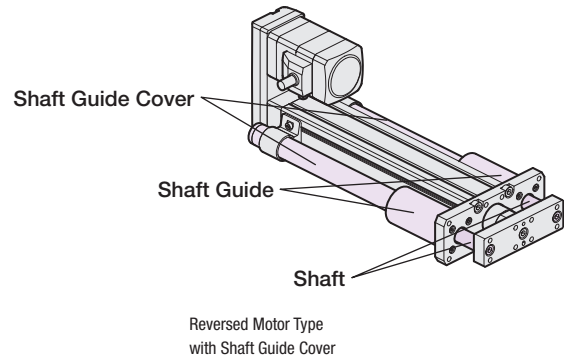
This helps to save space.



◇ With Shaft Guide Cover

This type has a shaft guide and cover installed, which allows for the load to be transported while attached directly to the body of this product.

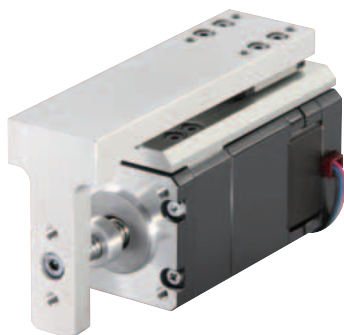
Straight types and reversed motor types are available.



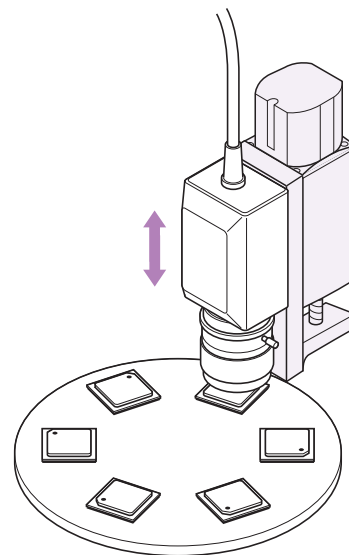
● DRLII Series Product Line

The **DRLII** Series features 2 types of ball screws: a ground ball screw suited for providing micromovements and high positioning accuracy, and a rolled ball screw which provides reliability in general positioning applications.

In addition to types without a guide, types with a guide to which loads can be directly attached are available.



Type with a Guide



Application Examples/Focusing of CCD Camera

Overview,
Product
Series

Electric
Linear
Slides

αSTEP AR
EAS

Electric
Cylinders

αSTEP AR
EAC

DRLII

Hollow
Rotary
Actuators

αSTEP AR
DGII

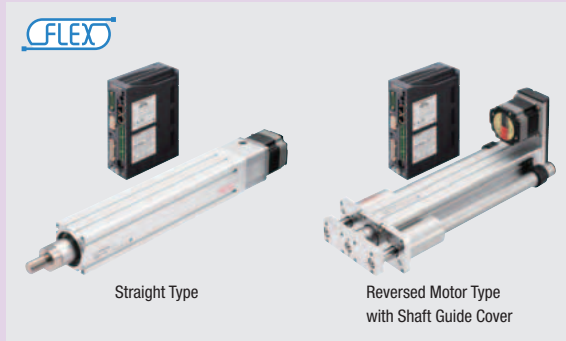
Accessories

Electric Cylinders

EAC 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 "EAC Series".

The motor component incorporates a high-efficiency, energy-saving α STEP AR Series electric cylinder. In addition to straight-type actuators, reversed motor types with shorter overall lengths are also available.

- Compact, High Strength, for a Wide Variety of Applications
- High Performance Regardless of Operating Conditions
- Easy Belt Replacement (Reversed 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.

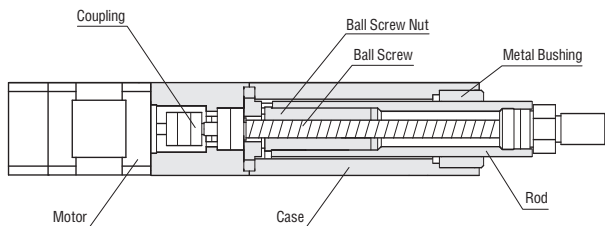
These products enable simple connection and simple control, shortening the total lead time for system construction.

Features

Compact and Powerful!

● Compact, High Thrust Force Cylinders

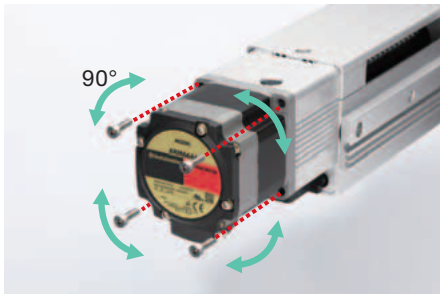
Using aluminum for the rod, these electric cylinders produce high thrust force despite their compact and lightweight body. The unique structure suppresses vibration to achieve improved acceleration characteristics and high-speed positioning operation.



● 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.

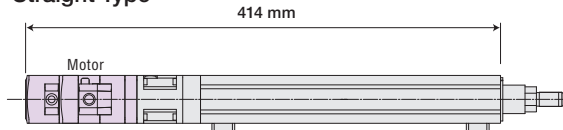


● Direction of Motor Installation

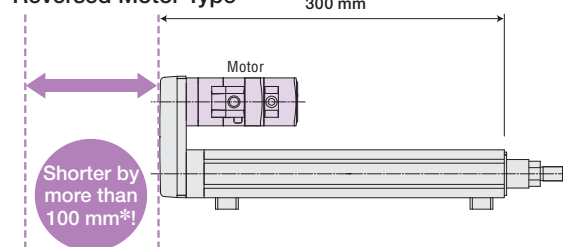
Reversed Motor types are provided for all electric cylinders. This contributes to a shorter overall length and space savings.

EAC4 with Electromagnetic Brake Type Stroke 200 mm

Straight Type



Reversed Motor Type



*When electromagnetic brake is installed

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

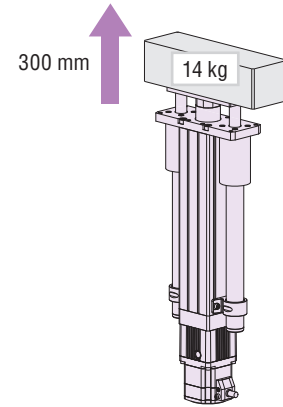
- Wide Range of Applications, from Low Speed to High Speed and from Light Loads to Heavy Loads

Only at Oriental Motor!

High speed driving is possible whether the load is light or heavy.
 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.

<Product Used>
 Product name: **EAC6WE**
 Lead Screw Pitch: 6 mm
 Power supply input: 230 VAC

When transferring a load of 14 kg over a distance of 300 mm, the positioning time is 1.12 seconds.



Overview, Product Series

Electric Linear Slides

Q5STEP AR EAS

Electric Cylinders

Q5STEP AR EAC

DRLII

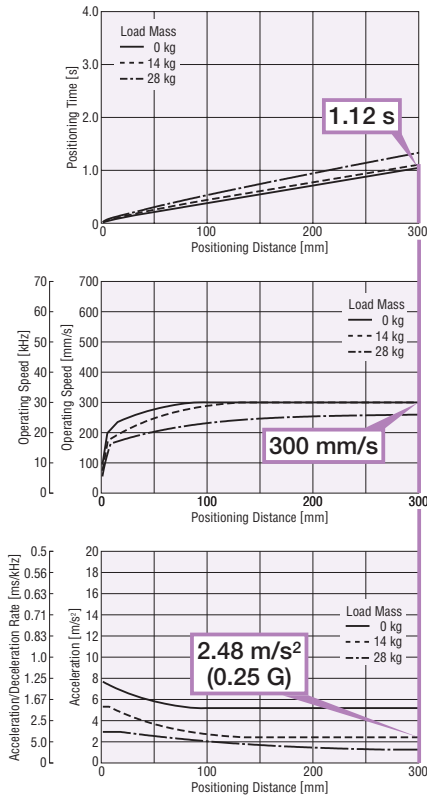
Hollow Rotary Actuators

Q5STEP AR DGII

Accessories

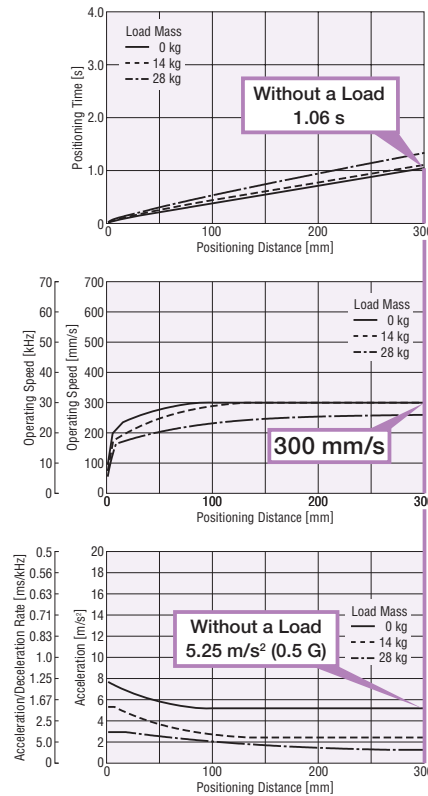
High-Speed With a Heavy Load

Load Mass: 14 kg
 Positioning Distance: 300 mm
Positioning Time : 1.12 s
Operating Speed: 300 mm/s
Acceleration: 2.48 m/s² (0.25 G)



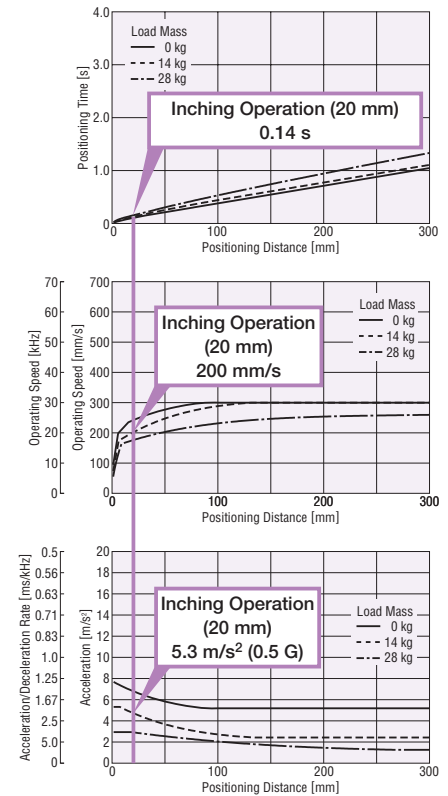
High-Speed With a Light Load

Load Mass: 0 kg
 Positioning Distance: 300 mm
Positioning Time : 1.06 s
Operating Speed: 300 mm/s
Acceleration: 5.25 m/s² (0.5 G)



High-Speed During Inching Operation

Load Mass: 14 kg
 Positioning Distance: 20 mm
Positioning Time : 0.14 s
Operating Speed: 200 mm/s
Acceleration: 5.3 m/s² (0.5 G)

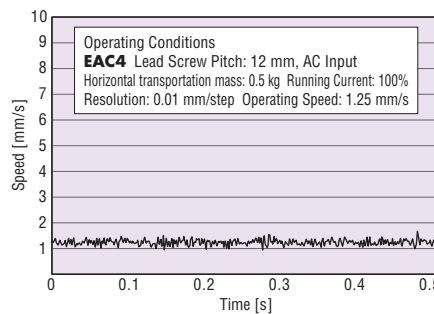


- Stability at Low Speeds

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.

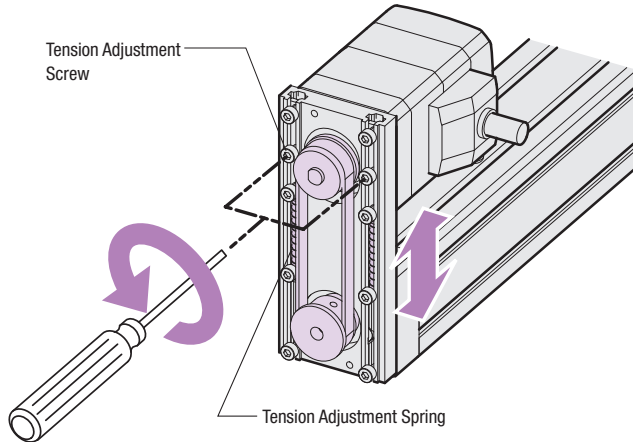
*About the smooth drive function:

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.



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.

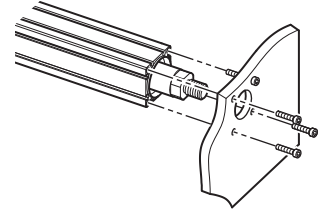
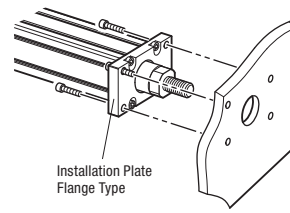
Installation of Electric Cylinders

Electric Cylinders **EAC** Series can be installed using the following methods.

◇ Installation on Front Surface

(Installation plate flange type:
Sold separately)

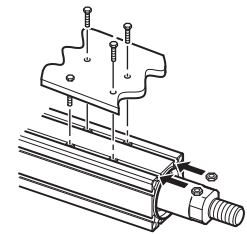
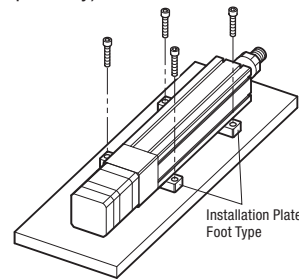
(Direct installation)



◇ Side Surface Installation

(Installation plate foot type: Sold
separately)

(Direct installation)



αSTEP AR Series Equipped

EAC 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.

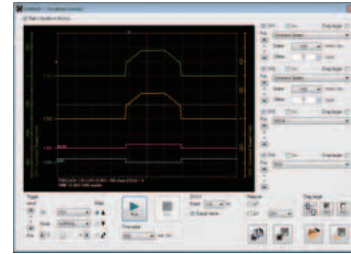
● A Variety of Products with a Unified Control Method

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

Built-in Controller Type **FLEX**

● When controlled via I/O

① I/O

● When controlled via computer or touch screen (HMI)

② Modbus (RTU)

● When controlled via serial communication

② Modbus (RTU)

● When controlled via a Factory Automation (FA) network

③ FA Network
② RS-485

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

① Pulse Input

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.

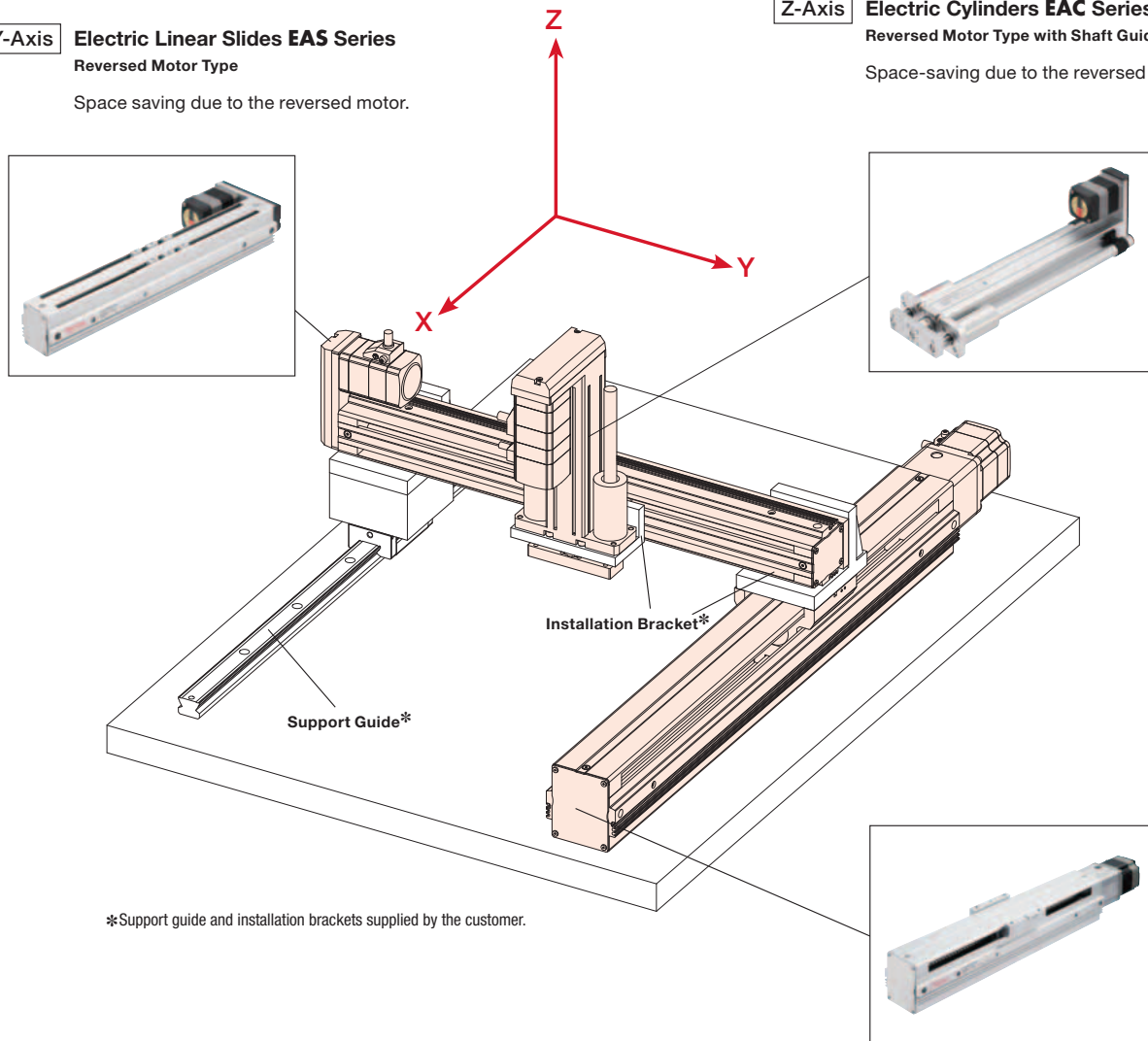
Product Line

Shaft Guide	Straight Type	Reversed Motor Type
<p>Without shaft guide cover</p> <p>Depending on the equipment, an external guide may be necessary.</p>		
<p>With shaft guide cover</p> <p>There is no need to design or procure parts for the external guide. Moving parts on the cylinder main unit side are protected, improving equipment safety. This is useful for grease splash prevention in the shaft guide section and the prevention of the infiltration of foreign particles in the linear bush section.</p>		

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.

Y-Axis **Electric Linear Slides EAS Series**
Reversed Motor Type
Space saving due to the reversed motor.

Z-Axis **Electric Cylinders EAC Series**
Reversed Motor Type with Shaft Guide Cover
Space-saving due to the reversed motor.



*Support guide and installation brackets supplied by the customer.

X-Axis **Electric Linear Slides EAS Series**
Straight Type

How to Read Specifications Table

Electric Linear Cylinder Specifications

① Drive Method	Ball Screw	② Repetitive Positioning Accuracy [mm]	±0.02		③ Resolution [P/R]	100~10000	④ Dynamic Permissible Moment [N·m]	Mr: 1.3	Mr: 1.3	Mr: 0.6
							⑤ Static Permissible Moment [N·m]	Mr: 3.7	Mr: 3.7	Mr: 3.0
Product Name	⑥ Lead Screw Pitch [mm]	⑦ Transportable Mass [kg]		⑧ Thrust [N]	⑨ Push Force [N]	⑩ Holding Force [N]	⑪ Maximum Speed [mm/s]			
		Horizontal	Vertical							
EAC4W-D □□- ARA □□- 3-G	12	~15	—	~70	100	70	600			
EAC4W-D □□- ARM □□- 3-G			~6							
EAC4W-E □□- ARA □□- 3-G	6	~30	—	~140	200	140	300			
EAC4W-E □□- ARM □□- 3-G			~13							

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 Dynamic Permissible Moment*

The load moment acts on the linear guide if the load position is offset from the center of the rod.
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.

⑤ Static Permissible Moment*

The load moment acts on the linear guide if the load position is offset from the center of the rod.
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.

⑥ Lead Screw Pitch

Distance the rod moves linearly in one motor rotation.

⑦ Transportable Mass

● Horizontal Direction

Mass that can be moved under operating performance in the horizontal direction of the electric cylinder.

Note

● For products not equipped with a shaft guide cover, ensure that a radial load is not applied to the rod during use. There is only a simple anti-spin mechanism on the rod, so it does not have the ability to support a radial load.

● Vertical Direction

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

Note

● Note that if a **EAC4** 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.
● For products not equipped with a shaft guide cover, ensure that a radial load is not applied to the rod during use. There is only a simple anti-spin mechanism on the rod, so it does not have the ability to support a radial load.

⑧ Thrust

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

⑨ Push Force

The pressure applied to the load during the pushing operation.

Note

● Push motion operating speed should be 25 mm/s max. Also, ensure that units equipped with a shaft guide cover operate within the dynamic permissible moment.
The pulse input type has a pushing operation function, but no return-to-home pushing function.

⑩ Holding Force

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

⑪ 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.

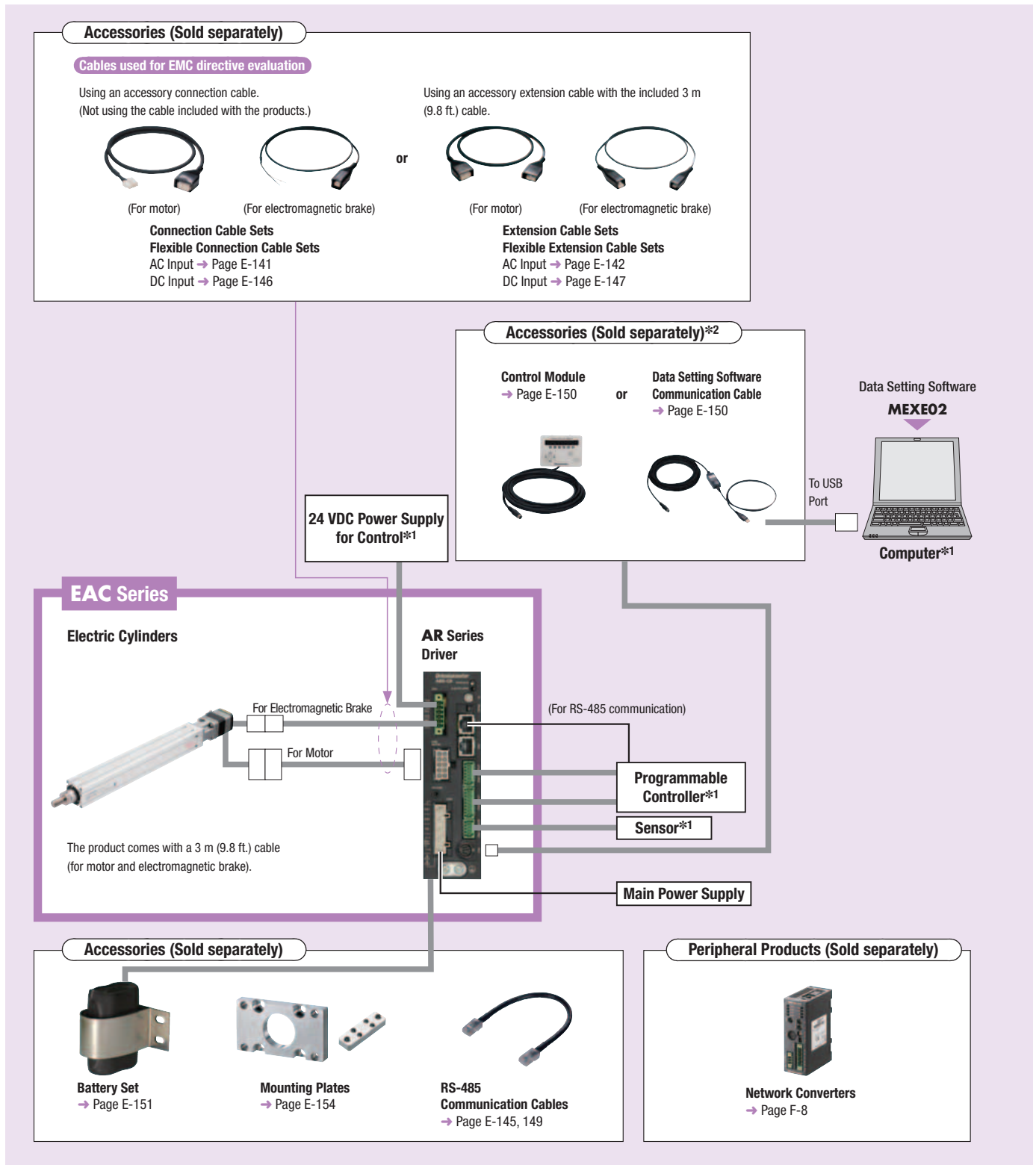
*The electric cylinders have specifications only for those with shaft guide cover.

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

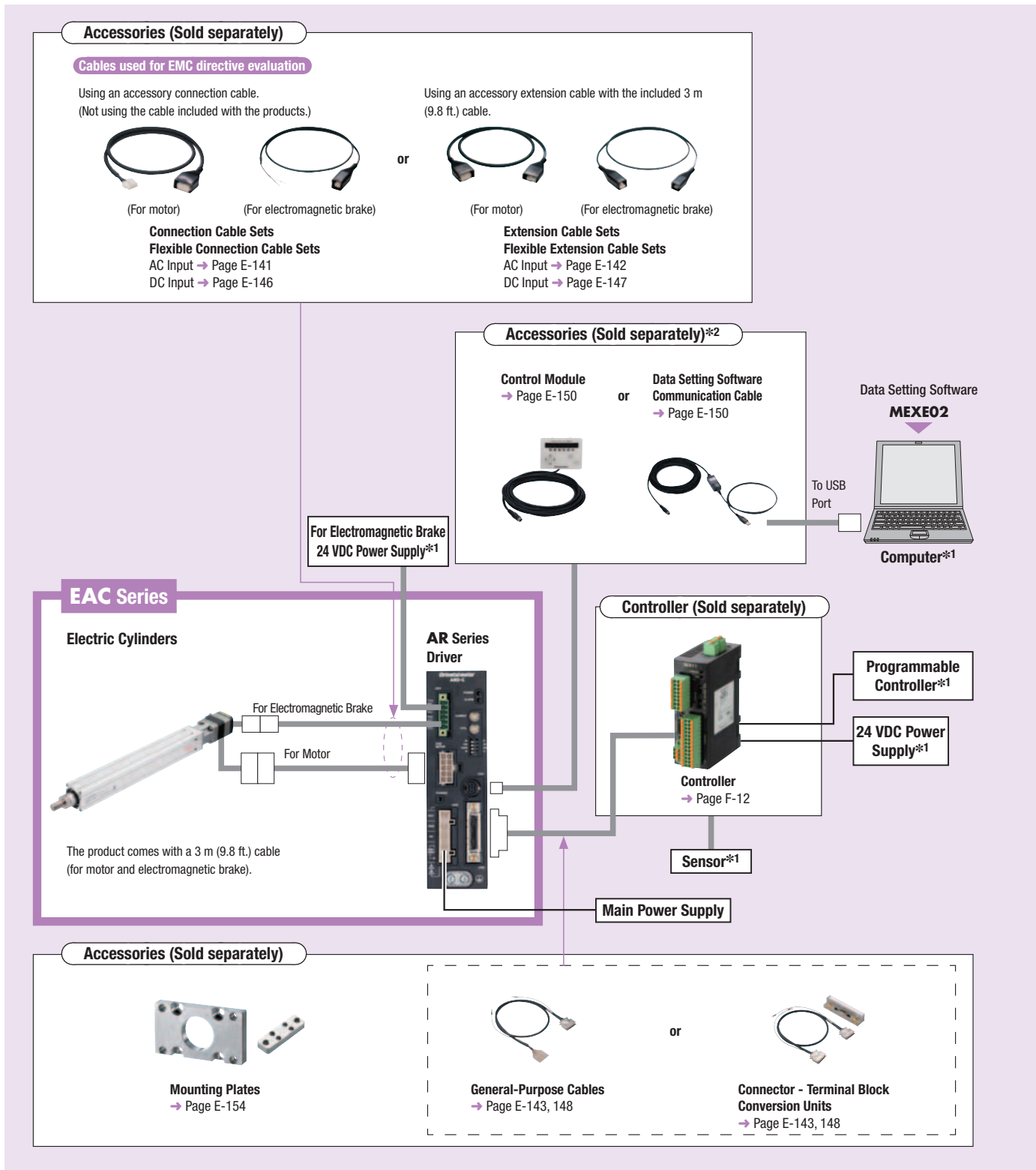
EAC Series	+	Sold Separately
EAC4-E05-ARMCD-3		Installation Plates (Foot type)
\$1,386.00		PAP4EAC
		\$30.00

● 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 DGI

Accessories

● Example of System Configuration

EAC Series EAC4-E05-ARMC-3 \$1,386.00	+	Sold Separately		
		Controller SCX11 \$349.00	Installation Plates (Foot type) PAP4EAC \$30.00	Connector - Terminal Block Conversion Unit 1 m (3.3 ft.) CC36T10E \$284.00

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

Product Number

EAC 4 R W - E 15 - AR M K D - 3 - G

- ① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫

①	Series Name	EAC: EAC Series
②	Cylinder Size	4: Frame Size 42 mm × 42 mm (With Shaft Guide Cover 42 mm × 114 mm) 6: Frame Size 60 mm × 60 mm (With Shaft Guide Cover 60 mm × 156 mm)
③	Motor Orientation	R: Reversed Motor Type BLANK: Straight Type
④	Shaft Guide	W: With Shaft Guide BLANK: No Shaft Guide
⑤	Lead Screw Pitch	D: 12 mm E: 6 mm
⑥	Stroke	05~30: 50 mm~300 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*1	3: 3 m (9.8 ft.) cable Included
⑫	Shaft Guide Cover*2	G: With Shaft Guide Cover BLANK: No Shaft Guide Cover

*1 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

*2 A shaft guide cover is included only on products equipped with a shaft guide.

Product Line

● AC Input

◇ EAC4 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	EAC4-□05-ARA□D-3	\$1,141.00	EAC4-□05-ARM□D-3	\$1,386.00	EAC4-□05-ARA□-3	\$1,141.00	EAC4-□05-ARM□-3	\$1,386.00
100	EAC4-□10-ARA□D-3	\$1,141.00	EAC4-□10-ARM□D-3	\$1,386.00	EAC4-□10-ARA□-3	\$1,141.00	EAC4-□10-ARM□-3	\$1,386.00
150	EAC4-□15-ARA□D-3	\$1,159.00	EAC4-□15-ARM□D-3	\$1,404.00	EAC4-□15-ARA□-3	\$1,159.00	EAC4-□15-ARM□-3	\$1,404.00
200	EAC4-□20-ARA□D-3	\$1,159.00	EAC4-□20-ARM□D-3	\$1,404.00	EAC4-□20-ARA□-3	\$1,159.00	EAC4-□20-ARM□-3	\$1,404.00
250	EAC4-□25-ARA□D-3	\$1,176.00	EAC4-□25-ARM□D-3	\$1,421.00	EAC4-□25-ARA□-3	\$1,176.00	EAC4-□25-ARM□-3	\$1,421.00
300	EAC4-□30-ARA□D-3	\$1,176.00	EAC4-□30-ARM□D-3	\$1,421.00	EAC4-□30-ARA□-3	\$1,176.00	EAC4-□30-ARM□-3	\$1,421.00

◇ EAC4 Straight Type with Shaft Guide Cover

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	EAC4W-□05-ARA□D-3-G	\$1,474.00	EAC4W-□05-ARM□D-3-G	\$1,719.00	EAC4W-□05-ARA□-3-G	\$1,474.00	EAC4W-□05-ARM□-3-G	\$1,719.00
100	EAC4W-□10-ARA□D-3-G	\$1,474.00	EAC4W-□10-ARM□D-3-G	\$1,719.00	EAC4W-□10-ARA□-3-G	\$1,474.00	EAC4W-□10-ARM□-3-G	\$1,719.00
150	EAC4W-□15-ARA□D-3-G	\$1,491.00	EAC4W-□15-ARM□D-3-G	\$1,736.00	EAC4W-□15-ARA□-3-G	\$1,491.00	EAC4W-□15-ARM□-3-G	\$1,736.00
200	EAC4W-□20-ARA□D-3-G	\$1,491.00	EAC4W-□20-ARM□D-3-G	\$1,736.00	EAC4W-□20-ARA□-3-G	\$1,491.00	EAC4W-□20-ARM□-3-G	\$1,736.00
250	EAC4W-□25-ARA□D-3-G	\$1,509.00	EAC4W-□25-ARM□D-3-G	\$1,754.00	EAC4W-□25-ARA□-3-G	\$1,509.00	EAC4W-□25-ARM□-3-G	\$1,754.00
300	EAC4W-□30-ARA□D-3-G	\$1,509.00	EAC4W-□30-ARM□D-3-G	\$1,754.00	EAC4W-□30-ARA□-3-G	\$1,509.00	EAC4W-□30-ARM□-3-G	\$1,754.00

● A symbol indicating the 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.

◆ EAC4 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	EAC4R-□05-ARA□D-3	\$1,141.00	EAC4R-□05-ARM□D-3	\$1,386.00	EAC4R-□05-ARA□-3	\$1,141.00	EAC4R-□05-ARM□-3	\$1,386.00
100	EAC4R-□10-ARA□D-3	\$1,141.00	EAC4R-□10-ARM□D-3	\$1,386.00	EAC4R-□10-ARA□-3	\$1,141.00	EAC4R-□10-ARM□-3	\$1,386.00
150	EAC4R-□15-ARA□D-3	\$1,159.00	EAC4R-□15-ARM□D-3	\$1,404.00	EAC4R-□15-ARA□-3	\$1,159.00	EAC4R-□15-ARM□-3	\$1,404.00
200	EAC4R-□20-ARA□D-3	\$1,159.00	EAC4R-□20-ARM□D-3	\$1,404.00	EAC4R-□20-ARA□-3	\$1,159.00	EAC4R-□20-ARM□-3	\$1,404.00
250	EAC4R-□25-ARA□D-3	\$1,176.00	EAC4R-□25-ARM□D-3	\$1,421.00	EAC4R-□25-ARA□-3	\$1,176.00	EAC4R-□25-ARM□-3	\$1,421.00
300	EAC4R-□30-ARA□D-3	\$1,176.00	EAC4R-□30-ARM□D-3	\$1,421.00	EAC4R-□30-ARA□-3	\$1,176.00	EAC4R-□30-ARM□-3	\$1,421.00

◆ EAC4 Reversed Motor Type with Shaft Guide Cover

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	EAC4RW-□05-ARA□D-3-G	\$1,474.00	EAC4RW-□05-ARM□D-3-G	\$1,719.00	EAC4RW-□05-ARA□-3-G	\$1,474.00	EAC4RW-□05-ARM□-3-G	\$1,719.00
100	EAC4RW-□10-ARA□D-3-G	\$1,474.00	EAC4RW-□10-ARM□D-3-G	\$1,719.00	EAC4RW-□10-ARA□-3-G	\$1,474.00	EAC4RW-□10-ARM□-3-G	\$1,719.00
150	EAC4RW-□15-ARA□D-3-G	\$1,491.00	EAC4RW-□15-ARM□D-3-G	\$1,736.00	EAC4RW-□15-ARA□-3-G	\$1,491.00	EAC4RW-□15-ARM□-3-G	\$1,736.00
200	EAC4RW-□20-ARA□D-3-G	\$1,491.00	EAC4RW-□20-ARM□D-3-G	\$1,736.00	EAC4RW-□20-ARA□-3-G	\$1,491.00	EAC4RW-□20-ARM□-3-G	\$1,736.00
250	EAC4RW-□25-ARA□D-3-G	\$1,509.00	EAC4RW-□25-ARM□D-3-G	\$1,754.00	EAC4RW-□25-ARA□-3-G	\$1,509.00	EAC4RW-□25-ARM□-3-G	\$1,754.00
300	EAC4RW-□30-ARA□D-3-G	\$1,509.00	EAC4RW-□30-ARM□D-3-G	\$1,754.00	EAC4RW-□30-ARA□-3-G	\$1,509.00	EAC4RW-□30-ARM□-3-G	\$1,754.00

◆ EAC6 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	EAC6-□05-ARA□D-3	\$1,246.00	EAC6-□05-ARM□D-3	\$1,561.00	EAC6-□05-ARA□-3	\$1,246.00	EAC6-□05-ARM□-3	\$1,561.00
100	EAC6-□10-ARA□D-3	\$1,246.00	EAC6-□10-ARM□D-3	\$1,561.00	EAC6-□10-ARA□-3	\$1,246.00	EAC6-□10-ARM□-3	\$1,561.00
150	EAC6-□15-ARA□D-3	\$1,264.00	EAC6-□15-ARM□D-3	\$1,579.00	EAC6-□15-ARA□-3	\$1,264.00	EAC6-□15-ARM□-3	\$1,579.00
200	EAC6-□20-ARA□D-3	\$1,264.00	EAC6-□20-ARM□D-3	\$1,579.00	EAC6-□20-ARA□-3	\$1,264.00	EAC6-□20-ARM□-3	\$1,579.00
250	EAC6-□25-ARA□D-3	\$1,281.00	EAC6-□25-ARM□D-3	\$1,596.00	EAC6-□25-ARA□-3	\$1,281.00	EAC6-□25-ARM□-3	\$1,596.00
300	EAC6-□30-ARA□D-3	\$1,281.00	EAC6-□30-ARM□D-3	\$1,596.00	EAC6-□30-ARA□-3	\$1,281.00	EAC6-□30-ARM□-3	\$1,596.00

◆ EAC6 Straight Type with Shaft Guide Cover

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	EAC6W-□05-ARA□D-3-G	\$1,631.00	EAC6W-□05-ARM□D-3-G	\$1,946.00	EAC6W-□05-ARA□-3-G	\$1,631.00	EAC6W-□05-ARM□-3-G	\$1,946.00
100	EAC6W-□10-ARA□D-3-G	\$1,631.00	EAC6W-□10-ARM□D-3-G	\$1,946.00	EAC6W-□10-ARA□-3-G	\$1,631.00	EAC6W-□10-ARM□-3-G	\$1,946.00
150	EAC6W-□15-ARA□D-3-G	\$1,649.00	EAC6W-□15-ARM□D-3-G	\$1,964.00	EAC6W-□15-ARA□-3-G	\$1,649.00	EAC6W-□15-ARM□-3-G	\$1,964.00
200	EAC6W-□20-ARA□D-3-G	\$1,649.00	EAC6W-□20-ARM□D-3-G	\$1,964.00	EAC6W-□20-ARA□-3-G	\$1,649.00	EAC6W-□20-ARM□-3-G	\$1,964.00
250	EAC6W-□25-ARA□D-3-G	\$1,666.00	EAC6W-□25-ARM□D-3-G	\$1,981.00	EAC6W-□25-ARA□-3-G	\$1,666.00	EAC6W-□25-ARM□-3-G	\$1,981.00
300	EAC6W-□30-ARA□D-3-G	\$1,666.00	EAC6W-□30-ARM□D-3-G	\$1,981.00	EAC6W-□30-ARA□-3-G	\$1,666.00	EAC6W-□30-ARM□-3-G	\$1,981.00

◆ EAC6 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	EAC6R-□05-ARA□D-3	\$1,246.00	EAC6R-□05-ARM□D-3	\$1,561.00	EAC6R-□05-ARA□-3	\$1,246.00	EAC6R-□05-ARM□-3	\$1,561.00
100	EAC6R-□10-ARA□D-3	\$1,246.00	EAC6R-□10-ARM□D-3	\$1,561.00	EAC6R-□10-ARA□-3	\$1,246.00	EAC6R-□10-ARM□-3	\$1,561.00
150	EAC6R-□15-ARA□D-3	\$1,264.00	EAC6R-□15-ARM□D-3	\$1,579.00	EAC6R-□15-ARA□-3	\$1,264.00	EAC6R-□15-ARM□-3	\$1,579.00
200	EAC6R-□20-ARA□D-3	\$1,264.00	EAC6R-□20-ARM□D-3	\$1,579.00	EAC6R-□20-ARA□-3	\$1,264.00	EAC6R-□20-ARM□-3	\$1,579.00
250	EAC6R-□25-ARA□D-3	\$1,281.00	EAC6R-□25-ARM□D-3	\$1,596.00	EAC6R-□25-ARA□-3	\$1,281.00	EAC6R-□25-ARM□-3	\$1,596.00
300	EAC6R-□30-ARA□D-3	\$1,281.00	EAC6R-□30-ARM□D-3	\$1,596.00	EAC6R-□30-ARA□-3	\$1,281.00	EAC6R-□30-ARM□-3	\$1,596.00

◆ EAC6 Reversed Motor Type with Shaft Guide Cover

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	EAC6RW-□05-ARA□D-3-G	\$1,631.00	EAC6RW-□05-ARM□D-3-G	\$1,946.00	EAC6RW-□05-ARA□-3-G	\$1,631.00	EAC6RW-□05-ARM□-3-G	\$1,946.00
100	EAC6RW-□10-ARA□D-3-G	\$1,631.00	EAC6RW-□10-ARM□D-3-G	\$1,946.00	EAC6RW-□10-ARA□-3-G	\$1,631.00	EAC6RW-□10-ARM□-3-G	\$1,946.00
150	EAC6RW-□15-ARA□D-3-G	\$1,649.00	EAC6RW-□15-ARM□D-3-G	\$1,964.00	EAC6RW-□15-ARA□-3-G	\$1,649.00	EAC6RW-□15-ARM□-3-G	\$1,964.00
200	EAC6RW-□20-ARA□D-3-G	\$1,649.00	EAC6RW-□20-ARM□D-3-G	\$1,964.00	EAC6RW-□20-ARA□-3-G	\$1,649.00	EAC6RW-□20-ARM□-3-G	\$1,964.00
250	EAC6RW-□25-ARA□D-3-G	\$1,666.00	EAC6RW-□25-ARM□D-3-G	\$1,981.00	EAC6RW-□25-ARA□-3-G	\$1,666.00	EAC6RW-□25-ARM□-3-G	\$1,981.00
300	EAC6RW-□30-ARA□D-3-G	\$1,666.00	EAC6RW-□30-ARM□D-3-G	\$1,981.00	EAC6RW-□30-ARA□-3-G	\$1,666.00	EAC6RW-□30-ARM□-3-G	\$1,981.00

● A symbol indicating the 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.

Overview, Product Series

Electric Linear Slides

αSTEP AR EAS

Electric Cylinders

αSTEP AR EAC

DRLLI

Hollow Rotary Actuators

αSTEP AR DGII

Accessories

● DC Input

◇ EAC4 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	EAC4-□05-ARAKD-3	\$914.00	EAC4-□05-ARMKD-3	\$1,159.00	EAC4-□05-ARAK-3	\$864.00	EAC4-□05-ARMK-3	\$1,109.00
100	EAC4-□10-ARAKD-3	\$914.00	EAC4-□10-ARMKD-3	\$1,159.00	EAC4-□10-ARAK-3	\$864.00	EAC4-□10-ARMK-3	\$1,109.00
150	EAC4-□15-ARAKD-3	\$932.00	EAC4-□15-ARMKD-3	\$1,177.00	EAC4-□15-ARAK-3	\$882.00	EAC4-□15-ARMK-3	\$1,127.00
200	EAC4-□20-ARAKD-3	\$932.00	EAC4-□20-ARMKD-3	\$1,177.00	EAC4-□20-ARAK-3	\$882.00	EAC4-□20-ARMK-3	\$1,127.00
250	EAC4-□25-ARAKD-3	\$949.00	EAC4-□25-ARMKD-3	\$1,194.00	EAC4-□25-ARAK-3	\$899.00	EAC4-□25-ARMK-3	\$1,144.00
300	EAC4-□30-ARAKD-3	\$949.00	EAC4-□30-ARMKD-3	\$1,194.00	EAC4-□30-ARAK-3	\$899.00	EAC4-□30-ARMK-3	\$1,144.00

◇ EAC4 Straight Type with Shaft Guide Cover

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	EAC4W-□05-ARAKD-3-G	\$1,247.00	EAC4W-□05-ARMKD-3-G	\$1,492.00	EAC4W-□05-ARAK-3-G	\$1,197.00	EAC4W-□05-ARMK-3-G	\$1,442.00
100	EAC4W-□10-ARAKD-3-G	\$1,247.00	EAC4W-□10-ARMKD-3-G	\$1,492.00	EAC4W-□10-ARAK-3-G	\$1,197.00	EAC4W-□10-ARMK-3-G	\$1,442.00
150	EAC4W-□15-ARAKD-3-G	\$1,264.00	EAC4W-□15-ARMKD-3-G	\$1,509.00	EAC4W-□15-ARAK-3-G	\$1,214.00	EAC4W-□15-ARMK-3-G	\$1,459.00
200	EAC4W-□20-ARAKD-3-G	\$1,264.00	EAC4W-□20-ARMKD-3-G	\$1,509.00	EAC4W-□20-ARAK-3-G	\$1,214.00	EAC4W-□20-ARMK-3-G	\$1,459.00
250	EAC4W-□25-ARAKD-3-G	\$1,282.00	EAC4W-□25-ARMKD-3-G	\$1,527.00	EAC4W-□25-ARAK-3-G	\$1,232.00	EAC4W-□25-ARMK-3-G	\$1,477.00
300	EAC4W-□30-ARAKD-3-G	\$1,282.00	EAC4W-□30-ARMKD-3-G	\$1,527.00	EAC4W-□30-ARAK-3-G	\$1,232.00	EAC4W-□30-ARMK-3-G	\$1,477.00

◇ EAC4 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	EAC4R-□05-ARAKD-3	\$914.00	EAC4R-□05-ARMKD-3	\$1,159.00	EAC4R-□05-ARAK-3	\$864.00	EAC4R-□05-ARMK-3	\$1,109.00
100	EAC4R-□10-ARAKD-3	\$914.00	EAC4R-□10-ARMKD-3	\$1,159.00	EAC4R-□10-ARAK-3	\$864.00	EAC4R-□10-ARMK-3	\$1,109.00
150	EAC4R-□15-ARAKD-3	\$932.00	EAC4R-□15-ARMKD-3	\$1,177.00	EAC4R-□15-ARAK-3	\$882.00	EAC4R-□15-ARMK-3	\$1,127.00
200	EAC4R-□20-ARAKD-3	\$932.00	EAC4R-□20-ARMKD-3	\$1,177.00	EAC4R-□20-ARAK-3	\$882.00	EAC4R-□20-ARMK-3	\$1,127.00
250	EAC4R-□25-ARAKD-3	\$949.00	EAC4R-□25-ARMKD-3	\$1,194.00	EAC4R-□25-ARAK-3	\$899.00	EAC4R-□25-ARMK-3	\$1,144.00
300	EAC4R-□30-ARAKD-3	\$949.00	EAC4R-□30-ARMKD-3	\$1,194.00	EAC4R-□30-ARAK-3	\$899.00	EAC4R-□30-ARMK-3	\$1,144.00

◇ EAC4 Reversed Motor Type with Shaft Guide Cover

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	EAC4RW-□05-ARAKD-3-G	\$1,247.00	EAC4RW-□05-ARMKD-3-G	\$1,492.00	EAC4RW-□05-ARAK-3-G	\$1,197.00	EAC4RW-□05-ARMK-3-G	\$1,442.00
100	EAC4RW-□10-ARAKD-3-G	\$1,247.00	EAC4RW-□10-ARMKD-3-G	\$1,492.00	EAC4RW-□10-ARAK-3-G	\$1,197.00	EAC4RW-□10-ARMK-3-G	\$1,442.00
150	EAC4RW-□15-ARAKD-3-G	\$1,264.00	EAC4RW-□15-ARMKD-3-G	\$1,509.00	EAC4RW-□15-ARAK-3-G	\$1,214.00	EAC4RW-□15-ARMK-3-G	\$1,459.00
200	EAC4RW-□20-ARAKD-3-G	\$1,264.00	EAC4RW-□20-ARMKD-3-G	\$1,509.00	EAC4RW-□20-ARAK-3-G	\$1,214.00	EAC4RW-□20-ARMK-3-G	\$1,459.00
250	EAC4RW-□25-ARAKD-3-G	\$1,282.00	EAC4RW-□25-ARMKD-3-G	\$1,527.00	EAC4RW-□25-ARAK-3-G	\$1,232.00	EAC4RW-□25-ARMK-3-G	\$1,477.00
300	EAC4RW-□30-ARAKD-3-G	\$1,282.00	EAC4RW-□30-ARMKD-3-G	\$1,527.00	EAC4RW-□30-ARAK-3-G	\$1,232.00	EAC4RW-□30-ARMK-3-G	\$1,477.00

◇ EAC6 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	EAC6-□05-ARAKD-3	\$1,019.00	EAC6-□05-ARMKD-3	\$1,334.00	EAC6-□05-ARAK-3	\$969.00	EAC6-□05-ARMK-3	\$1,284.00
100	EAC6-□10-ARAKD-3	\$1,019.00	EAC6-□10-ARMKD-3	\$1,334.00	EAC6-□10-ARAK-3	\$969.00	EAC6-□10-ARMK-3	\$1,284.00
150	EAC6-□15-ARAKD-3	\$1,037.00	EAC6-□15-ARMKD-3	\$1,352.00	EAC6-□15-ARAK-3	\$987.00	EAC6-□15-ARMK-3	\$1,302.00
200	EAC6-□20-ARAKD-3	\$1,037.00	EAC6-□20-ARMKD-3	\$1,352.00	EAC6-□20-ARAK-3	\$987.00	EAC6-□20-ARMK-3	\$1,302.00
250	EAC6-□25-ARAKD-3	\$1,054.00	EAC6-□25-ARMKD-3	\$1,369.00	EAC6-□25-ARAK-3	\$1,004.00	EAC6-□25-ARMK-3	\$1,319.00
300	EAC6-□30-ARAKD-3	\$1,054.00	EAC6-□30-ARMKD-3	\$1,369.00	EAC6-□30-ARAK-3	\$1,004.00	EAC6-□30-ARMK-3	\$1,319.00

◇ EAC6 Straight Type with Shaft Guide Cover

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	EAC6W-□05-ARAKD-3-G	\$1,404.00	EAC6W-□05-ARMKD-3-G	\$1,719.00	EAC6W-□05-ARAK-3-G	\$1,354.00	EAC6W-□05-ARMK-3-G	\$1,669.00
100	EAC6W-□10-ARAKD-3-G	\$1,404.00	EAC6W-□10-ARMKD-3-G	\$1,719.00	EAC6W-□10-ARAK-3-G	\$1,354.00	EAC6W-□10-ARMK-3-G	\$1,669.00
150	EAC6W-□15-ARAKD-3-G	\$1,422.00	EAC6W-□15-ARMKD-3-G	\$1,737.00	EAC6W-□15-ARAK-3-G	\$1,372.00	EAC6W-□15-ARMK-3-G	\$1,687.00
200	EAC6W-□20-ARAKD-3-G	\$1,422.00	EAC6W-□20-ARMKD-3-G	\$1,737.00	EAC6W-□20-ARAK-3-G	\$1,372.00	EAC6W-□20-ARMK-3-G	\$1,687.00
250	EAC6W-□25-ARAKD-3-G	\$1,439.00	EAC6W-□25-ARMKD-3-G	\$1,754.00	EAC6W-□25-ARAK-3-G	\$1,389.00	EAC6W-□25-ARMK-3-G	\$1,704.00
300	EAC6W-□30-ARAKD-3-G	\$1,439.00	EAC6W-□30-ARMKD-3-G	\$1,754.00	EAC6W-□30-ARAK-3-G	\$1,389.00	EAC6W-□30-ARMK-3-G	\$1,704.00

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

◆ EAC6 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	EAC6R-□05-ARAKD-3	\$1,019.00	EAC6R-□05-ARMKD-3	\$1,334.00	EAC6R-□05-ARAK-3	\$969.00	EAC6R-□05-ARMK-3	\$1,284.00
100	EAC6R-□10-ARAKD-3	\$1,019.00	EAC6R-□10-ARMKD-3	\$1,334.00	EAC6R-□10-ARAK-3	\$969.00	EAC6R-□10-ARMK-3	\$1,284.00
150	EAC6R-□15-ARAKD-3	\$1,037.00	EAC6R-□15-ARMKD-3	\$1,352.00	EAC6R-□15-ARAK-3	\$987.00	EAC6R-□15-ARMK-3	\$1,302.00
200	EAC6R-□20-ARAKD-3	\$1,037.00	EAC6R-□20-ARMKD-3	\$1,352.00	EAC6R-□20-ARAK-3	\$987.00	EAC6R-□20-ARMK-3	\$1,302.00
250	EAC6R-□25-ARAKD-3	\$1,054.00	EAC6R-□25-ARMKD-3	\$1,369.00	EAC6R-□25-ARAK-3	\$1,004.00	EAC6R-□25-ARMK-3	\$1,319.00
300	EAC6R-□30-ARAKD-3	\$1,054.00	EAC6R-□30-ARMKD-3	\$1,369.00	EAC6R-□30-ARAK-3	\$1,004.00	EAC6R-□30-ARMK-3	\$1,319.00

◆ EAC6 Reversed Motor Type with Shaft Guide Cover

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	EAC6RW-□05-ARAKD-3-G	\$1,404.00	EAC6RW-□05-ARMKD-3-G	\$1,719.00	EAC6RW-□05-ARAK-3-G	\$1,354.00	EAC6RW-□05-ARMK-3-G	\$1,669.00
100	EAC6RW-□10-ARAKD-3-G	\$1,404.00	EAC6RW-□10-ARMKD-3-G	\$1,719.00	EAC6RW-□10-ARAK-3-G	\$1,354.00	EAC6RW-□10-ARMK-3-G	\$1,669.00
150	EAC6RW-□15-ARAKD-3-G	\$1,422.00	EAC6RW-□15-ARMKD-3-G	\$1,737.00	EAC6RW-□15-ARAK-3-G	\$1,372.00	EAC6RW-□15-ARMK-3-G	\$1,687.00
200	EAC6RW-□20-ARAKD-3-G	\$1,422.00	EAC6RW-□20-ARMKD-3-G	\$1,737.00	EAC6RW-□20-ARAK-3-G	\$1,372.00	EAC6RW-□20-ARMK-3-G	\$1,687.00
250	EAC6RW-□25-ARAKD-3-G	\$1,439.00	EAC6RW-□25-ARMKD-3-G	\$1,754.00	EAC6RW-□25-ARAK-3-G	\$1,389.00	EAC6RW-□25-ARMK-3-G	\$1,704.00
300	EAC6RW-□30-ARAKD-3-G	\$1,439.00	EAC6RW-□30-ARMKD-3-G	\$1,754.00	EAC6RW-□30-ARAK-3-G	\$1,389.00	EAC6RW-□30-ARMK-3-G	\$1,704.00

● A symbol indicating the 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 the motor/sensor windings Between the case and the 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 the motor/sensor windings 1.5 kVAC, 50 Hz or 60 Hz Between the case and the 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 the motor/sensor windings 1.0 kVAC, 50 Hz or 60 Hz Between the case and the 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 electric cylinders.

*3 Motor only.

Note

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

● Electromagnetic Brake Specification

Item	EAC4	EAC6
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

EAC4: Frame Size 42 mm × 42 mm AC Input Straight Type

Maximum Transportable Mass: Horizontal 30 kg/Vertical 14 kg
Stroke: 50 to 300 mm (50 mm increments)



Electric Cylinders

Drive Method	Ball Screw	Repetitive Positioning Accuracy [mm]	±0.02	Resolution [P/R]	100~10000		
Product Name	Lead Screw Pitch [mm]	Transportable Mass [kg]		Thrust [N]	Push Force [N]	Holding Force [N]	Maximum Speed [mm/s]
EAC4-D□□-ARA□□-3	12	~15	—	~70	100	70	600
EAC4-D□□-ARM□□-3			~7				
EAC4-E□□-ARA□□-3	6	~30	—	~140	200	140	300
EAC4-E□□-ARM□□-3			~14				

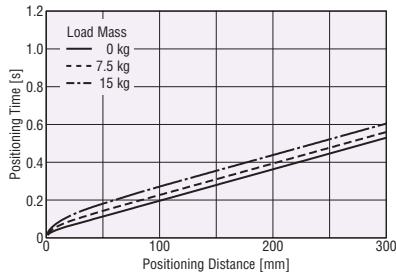
- A symbol or number will be entered in place of the □ in the product name. For details, please refer to "Product Number" on page E-64.
- For reading the specifications table and notes, refer to "How to Read Specifications Table" on page E-61.

Positioning Distance – Positioning Time

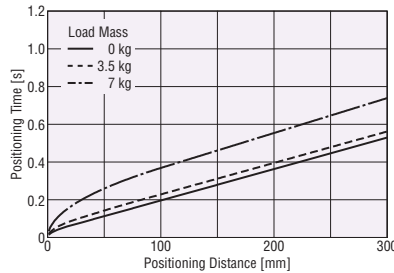
The positioning time (reference) can be checked from the positioning distance.
Refer to page E-93 for operating speed and acceleration.

12 mm Lead Screw Pitch

Horizontal Direction Installation

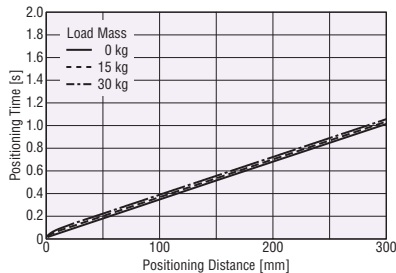


Vertical Direction Installation

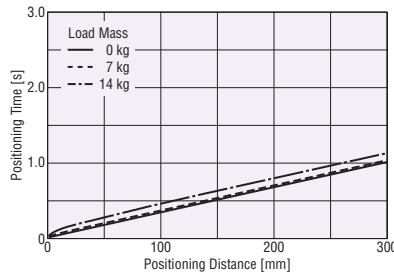


6 mm Lead Screw Pitch

Horizontal Direction Installation



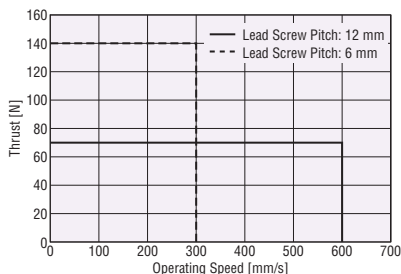
Vertical Direction Installation



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 – Thrust



Dimensions

- Electric Cylinders → Page E-84
- Driver → Page A-61

Connection and Operation

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

EAC4R: Frame Size 42 mm × 42 mm AC Input Reversed Motor Type

Maximum Transportable Mass: Horizontal 30 kg/Vertical 12.5 kg
Stroke: 50 to 300 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 Cylinders

Drive Method	Ball Screw	Repetitive Positioning Accuracy [mm]	±0.02	Resolution [P/R]	100~10000		
Product Name	Lead Screw Pitch [mm]	Transportable Mass [kg]		Thrust [N]	Push Force [N]	Holding Force [N]	Maximum Speed [mm/s]
		Horizontal	Vertical				
EAC4R-D□□-ARA□□-3	12	~15	—	~70	100	70	600
EAC4R-D□□-ARM□□-3			~7				
EAC4R-E□□-ARA□□-3	6	~30	—	~125	200	125	300
EAC4R-E□□-ARM□□-3			~12.5				

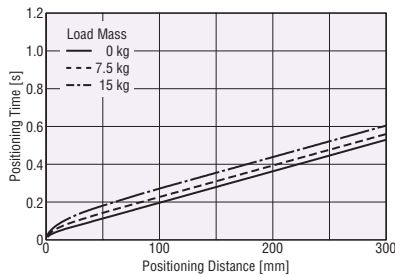
- A symbol or number will be entered in place of the □ in the product name. For details, please refer to "Product Number" on page E-64.
- For reading the specifications table and notes, refer to "How to Read Specifications Table" on page E-61.

Positioning Distance – Positioning Time

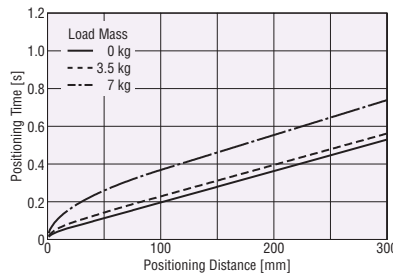
The positioning time (reference) can be checked from the positioning distance. Refer to page E-94 for operating speed and acceleration.

12 mm Lead Screw Pitch

Horizontal Direction Installation

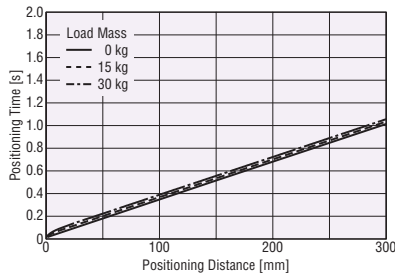


Vertical Direction Installation

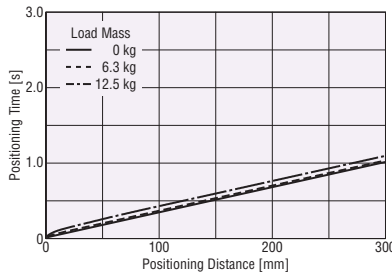


6 mm Lead Screw Pitch

Horizontal Direction Installation



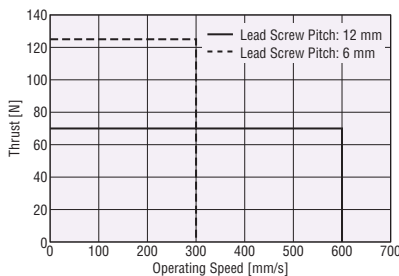
Vertical Direction Installation



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 – Thrust



Dimensions

- Electric Cylinders → Page E-85
- Driver → Page A-61

Connection and Operation

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

EAC4: Frame Size 42 mm × 42 mm 24 VDC Input Straight Type

Maximum Transportable Mass: Horizontal 30 kg/Vertical 14 kg
Stroke: 50 to 300 mm (50 mm increments)



Electric Cylinders

Drive Method	Ball Screw	Repetitive Positioning Accuracy [mm]	±0.02	Resolution [P/R]	100~10000		
Product Name	Lead Screw Pitch [mm]	Transportable Mass [kg]		Thrust [N]	Push Force [N]	Holding Force [N]	Maximum Speed [mm/s]
EAC4-D□□-ARAK□-3	12	~15	—	~70	100	70	600
EAC4-D□□-ARMK□-3			~7				
EAC4-E□□-ARAK□-3	6	~30	—	~140	200	140	300
EAC4-E□□-ARMK□-3			~14				

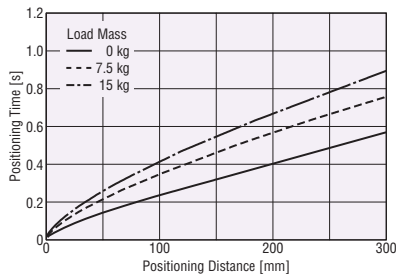
- A symbol or number will be entered in place of the □ in the product name. For details, please refer to "Product Number" on page E-64.
- For reading the specifications table and notes, refer to "How to Read Specifications Table" on page E-61.

Positioning Distance – Positioning Time

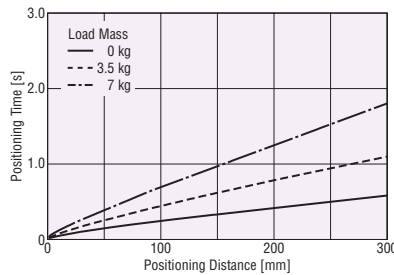
The positioning time (reference) can be checked from the positioning distance.
Refer to page E-95 for operating speed and acceleration.

12 mm Lead Screw Pitch

Horizontal Direction Installation

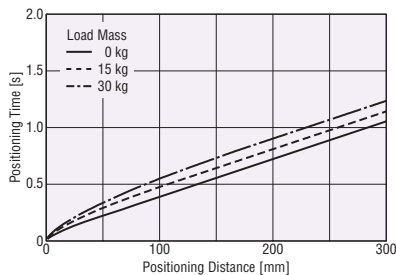


Vertical Direction Installation

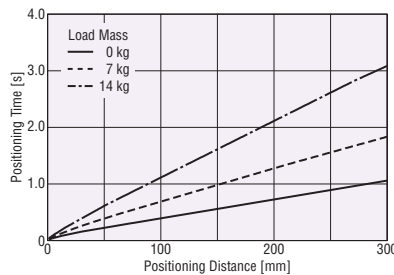


6 mm Lead Screw Pitch

Horizontal Direction Installation



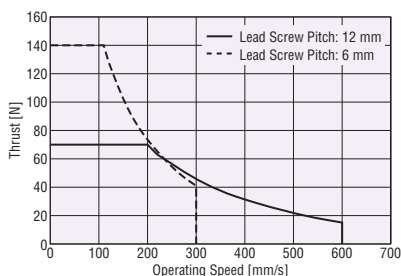
Vertical Direction Installation



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 – Thrust



Dimensions

- Electric Cylinders → Page E-84
- Driver → Page A-185

Connection and Operation

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

EAC4R: Frame Size 42 mm × 42 mm 24 VDC Input Reversed Motor Type

Maximum Transportable Mass: Horizontal 30 kg/Vertical 12.5 kg
Stroke: 50 to 300 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 Cylinders

Drive Method	Ball Screw	Repetitive Positioning Accuracy [mm]	±0.02	Resolution [P/R]	100~10000		
Product Name	Lead Screw Pitch [mm]	Transportable Mass [kg]		Thrust [N]	Push Force [N]	Holding Force [N]	Maximum Speed [mm/s]
		Horizontal	Vertical				
EAC4R-D□□-ARAK□-3	12	~15	—	~70	100	70	600
EAC4R-D□□-ARMK□-3			~7				
EAC4R-E□□-ARAK□-3	6	~30	—	~125	200	125	300
EAC4R-E□□-ARMK□-3			~12.5				

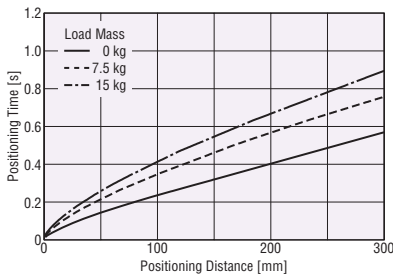
- A symbol or number will be entered in place of the □ in the product name. For details, please refer to "Product Number" on page E-64.
- For reading the specifications table and notes, refer to "How to Read Specifications Table" on page E-61.

Positioning Distance – Positioning Time

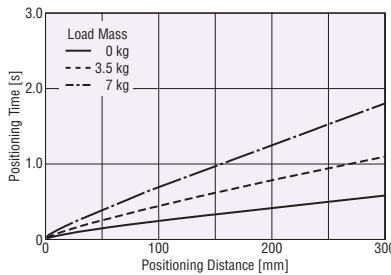
The positioning time (reference) can be checked from the positioning distance. Refer to page E-96 for operating speed and acceleration.

12 mm Lead Screw Pitch

Horizontal Direction Installation

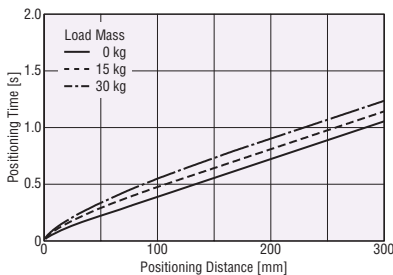


Vertical Direction Installation

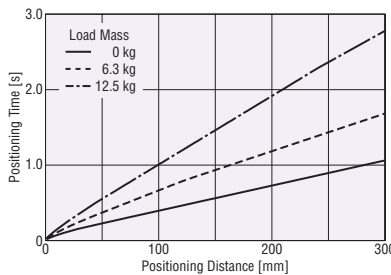


6 mm Lead Screw Pitch

Horizontal Direction Installation



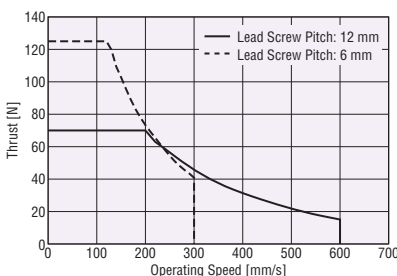
Vertical Direction Installation



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 – Thrust



Dimensions

- Electric Cylinders → Page E-85
- Driver → Page A-185

Connection and Operation

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

EAC6: Frame Size 60 mm × 60 mm AC Input Straight Type

Maximum Transportable Mass: Horizontal 60 kg/Vertical 30 kg
Stroke: 50 to 300 mm (50 mm increments)



Electric Cylinders

Drive Method	Ball Screw	Repetitive Positioning Accuracy [mm]	±0.02	Resolution [P/R]	100~10000		
Product Name	Lead Screw Pitch [mm]	Transportable Mass [kg]		Thrust [N]	Push Force [N]	Holding Force [N]	Maximum Speed [mm/s]
EAC6-D□□-ARA□□-3	12	~30	—	~200	400	200	600
EAC6-D□□-ARM□□-3			~15				
EAC6-E□□-ARA□□-3	6	~60	—	~400	500	400	300
EAC6-E□□-ARM□□-3			~30				

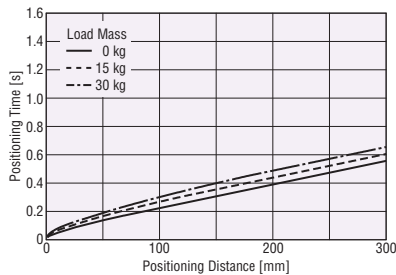
- A symbol or number will be entered in place of the □ in the product name. For details, please refer to "Product Number" on page E-64.
- For reading the specifications table and notes, refer to "How to Read Specifications Table" on page E-61.

Positioning Distance – Positioning Time

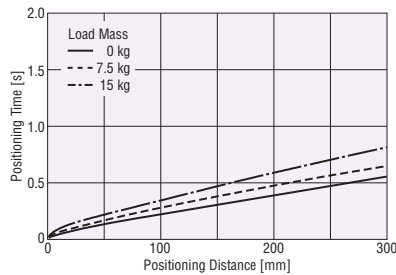
The positioning time (reference) can be checked from the positioning distance.
Refer to page E-97 for operating speed and acceleration.

12 mm Lead Screw Pitch

Horizontal Direction Installation

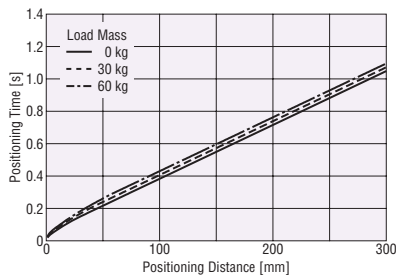


Vertical Direction Installation

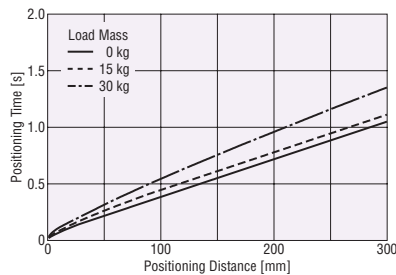


6 mm Lead Screw Pitch

Horizontal Direction Installation



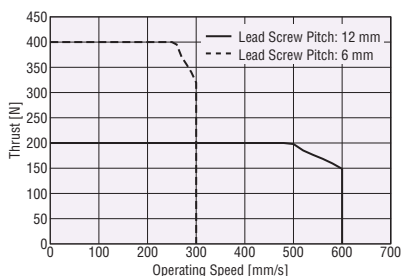
Vertical Direction Installation



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 – Thrust



Dimensions

- Electric Cylinders → Page E-86
- Driver → Page A-61

Connection and Operation

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

EAC6R: Frame Size 60 mm × 60 mm AC Input Reversed Motor Type

Maximum Transportable Mass: Horizontal 60 kg/Vertical 30 kg
Stroke: 50 to 300 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 Cylinders

Drive Method	Ball Screw	Repetitive Positioning Accuracy [mm]	±0.02	Resolution [P/R]	100~10000		
Product Name	Lead Screw Pitch [mm]	Transportable Mass [kg]		Thrust [N]	Push Force [N]	Holding Force [N]	Maximum Speed [mm/s]
		Horizontal	Vertical				
EAC6R-D□□-ARA□□-3	12	~30	—	~200	400	200	600
EAC6R-D□□-ARM□□-3			~15				
EAC6R-E□□-ARA□□-3	6	~60	—	~360	500	360	300
EAC6R-E□□-ARM□□-3			~30				

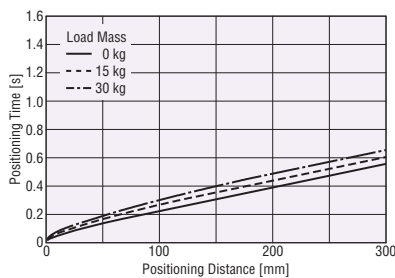
- A symbol or number will be entered in place of the □ in the product name. For details, please refer to "Product Number" on page E-64.
- For reading the specifications table and notes, refer to "How to Read Specifications Table" on page E-61.

Positioning Distance – Positioning Time

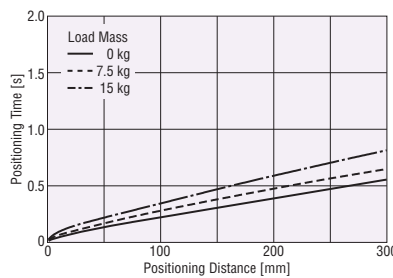
The positioning time (reference) can be checked from the positioning distance. Refer to page E-97 for operating speed and acceleration.

12 mm Lead Screw Pitch

Horizontal Direction Installation

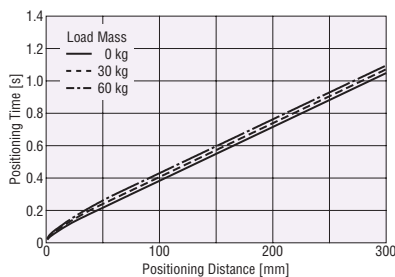


Vertical Direction Installation

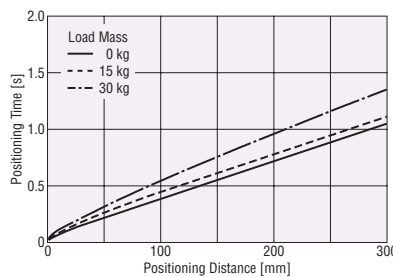


6 mm Lead Screw Pitch

Horizontal Direction Installation



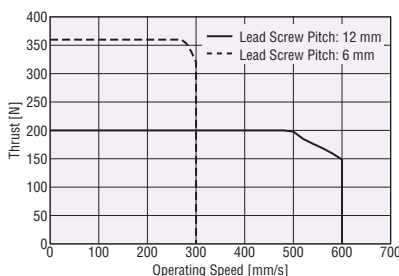
Vertical Direction Installation



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 – Thrust



Dimensions

- Electric Cylinders → Page E-87
- Driver → Page A-61

Connection and Operation

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

EAC6: Frame Size 60 mm × 60 mm 24 VDC Input Straight Type

Maximum Transportable Mass: Horizontal 60 kg/Vertical 30 kg

Stroke: 50 to 300 mm (50 mm increments)



Electric Cylinders

Drive Method	Ball Screw	Repetitive Positioning Accuracy [mm]	±0.02	Resolution [P/R]	100~10000		
Product Name	Lead Screw Pitch [mm]	Transportable Mass [kg]		Thrust [N]	Push Force [N]	Holding Force [N]	Maximum Speed [mm/s]
		Horizontal	Vertical				
EAC6-D□□-ARAK□-3	12	~30	—	~200	400	200	600
EAC6-D□□-ARMK□-3			~15				
EAC6-E□□-ARAK□-3	6	~60	—	~400	500	400	300
EAC6-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-64.

● For reading the specifications table and notes, refer to "How to Read Specifications Table" on page E-61.

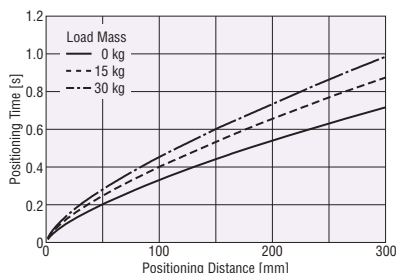
Positioning Distance – Positioning Time

The positioning time (reference) can be checked from the positioning distance.

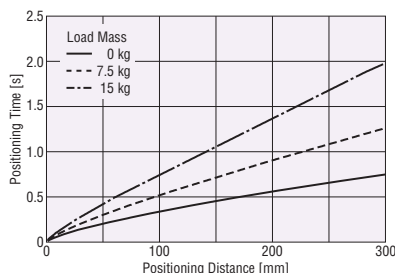
Refer to page E-98 for operating speed and acceleration.

● 12 mm Lead Screw Pitch

◇ Horizontal Direction Installation

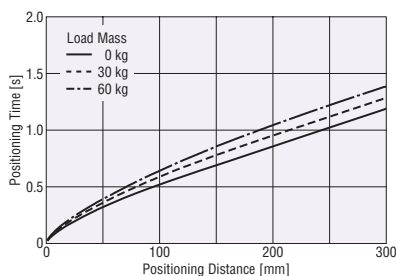


◇ Vertical Direction Installation

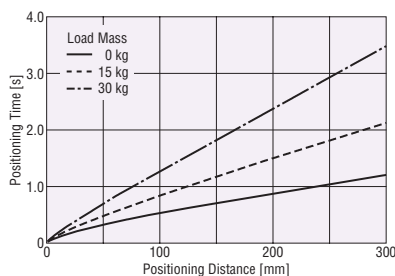


● 6 mm Lead Screw Pitch

◇ Horizontal Direction Installation



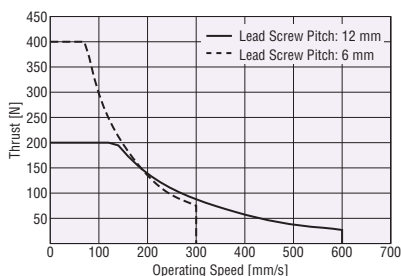
◇ Vertical Direction Installation



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 – Thrust



Dimensions

- Electric Cylinders → Page E-86
- Driver → Page A-185

Connection and Operation

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

EAC6R: Frame Size 60 mm × 60 mm 24 VDC Input Reversed Motor Type

Maximum Transportable Mass: Horizontal 60 kg/Vertical 30 kg
Stroke: 50 to 300 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 Cylinders

Drive Method	Ball Screw	Repetitive Positioning Accuracy [mm]	±0.02	Resolution [P/R]	100~10000		
Product Name	Lead Screw Pitch [mm]	Transportable Mass [kg]		Thrust [N]	Push Force [N]	Holding Force [N]	Maximum Speed [mm/s]
		Horizontal	Vertical				
EAC6R-D□□-ARAK□-3	12	~30	—	~200	400	200	600
EAC6R-D□□-ARMK□-3			~15				
EAC6R-E□□-ARAK□-3	6	~60	—	~360	500	360	300
EAC6R-E□□-ARMK□-3			~30				

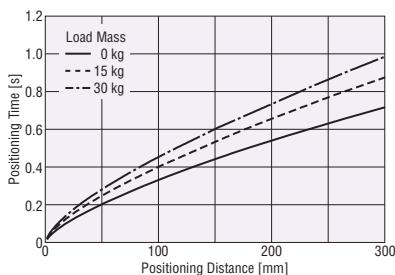
- A symbol or number will be entered in place of the □ in the product name. For details, please refer to "Product Number" on page E-64.
- For reading the specifications table and notes, refer to "How to Read Specifications Table" on page E-61.

Positioning Distance – Positioning Time

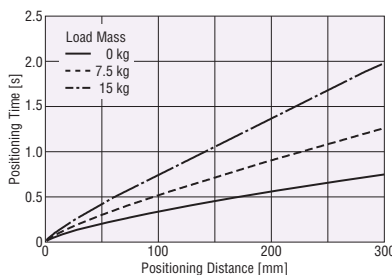
The positioning time (reference) can be checked from the positioning distance. Refer to page E-98 for operating speed and acceleration.

12 mm Lead Screw Pitch

Horizontal Direction Installation

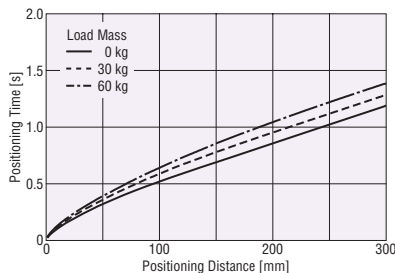


Vertical Direction Installation

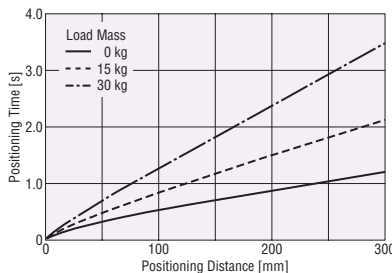


6 mm Lead Screw Pitch

Horizontal Direction Installation



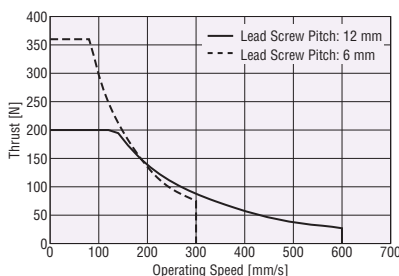
Vertical Direction Installation



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 – Thrust



Dimensions

- Electric Cylinders → Page E-87
- Driver → Page A-185

Connection and Operation

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

EAC4W: Frame Size 42 mm × 114 mm AC Input Straight Type with Shaft Guide Cover

Maximum Transportable Mass: Horizontal 30 kg/Vertical 13 kg
Stroke: 50 to 300 mm (50 mm increments)



Electric Cylinders

Drive Method	Ball Screw	Repetitive Positioning Accuracy [mm]	±0.02	Resolution [P/R]	100~10000	Dynamic Permissible Moment [N·m]	M _r : 1.3	M _r : 1.3	M _r : 0.6
						Static Permissible Moment [N·m]	M _r : 3.7	M _r : 3.7	M _r : 3.0
Product Name	Lead Screw Pitch [mm]	Transportable Mass [kg]		Thrust [N]	Push Force [N]	Holding Force [N]	Maximum Speed [mm/s]		
EAC4W-D□□-ARA□□-3-G	12	Horizontal	Vertical	~70	100	70	600		
EAC4W-D□□-ARM□□-3-G			~15						
EAC4W-E□□-ARA□□-3-G	6	Horizontal	Vertical	~140	200	140	300		
EAC4W-E□□-ARM□□-3-G			~30						

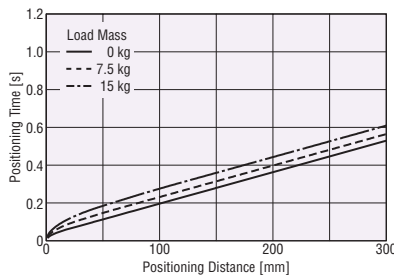
- A symbol or number will be entered in place of the □□ in the product name. For details, please refer to "Product Number" on page E-64.
- For reading the specifications table and notes, refer to "How to Read Specifications Table" on page E-61.

Positioning Distance – Positioning Time

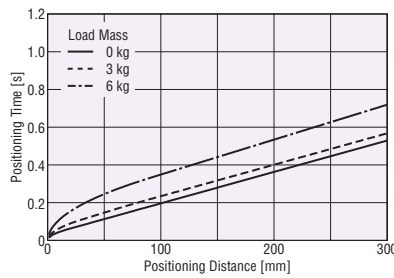
The positioning time (reference) can be checked from the positioning distance.
Refer to page E-99 for operating speed and acceleration.

12 mm Lead Screw Pitch

Horizontal Direction Installation

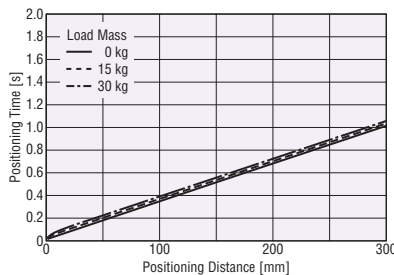


Vertical Direction Installation

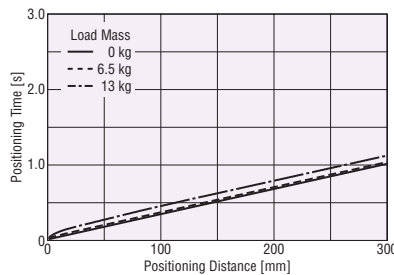


6 mm Lead Screw Pitch

Horizontal Direction Installation



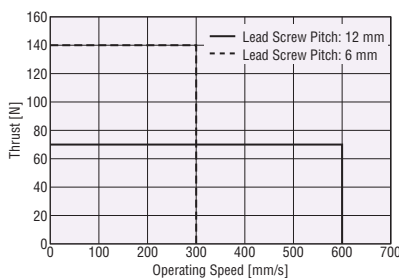
Vertical Direction Installation



Note

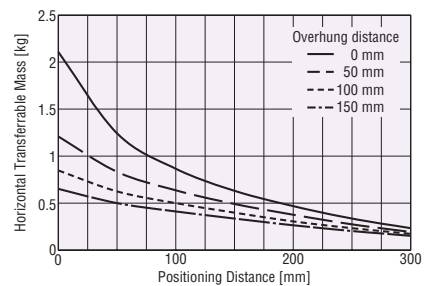
- The positioning time in the graph does not include the settling time.
Use a settling time of 0.15 s or less as a reference. (Settling time is adjustable by the velocity filter function.)
- The starting speed should be 6 mm/s or less.

Operating Speed – Thrust

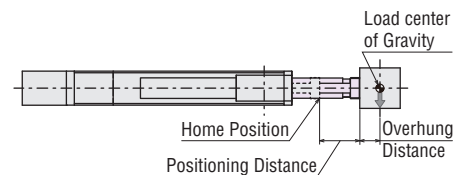


Maximum Transportable Mass in Horizontal Direction

Positioning Distance – Horizontally Transportable Mass



Products with shaft guide cover can be applied with load, and can transport the load. Refer to the above graph for the horizontally transportable mass.



- The positioning distance is the distance from the home position.
- The overhang distance is the distance taken by the protrusion from the load installation surface.

Dimensions

- Electric Cylinders → Page E-88
- Driver → Page A-61

Connection and Operation

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

EAC4RW: Frame Size 42 mm × 114 mm AC Input Reversed Motor Type with Shaft Guide Cover

Maximum Transportable Mass: Horizontal 30 kg/Vertical 11.5 kg
Stroke: 50 to 300 mm (50 mm increments)



Electric Cylinders

Drive Method	Ball Screw	Repetitive Positioning Accuracy [mm]	±0.02	Resolution [P/R]	100~10000	Dynamic Permissible Moment [N·m]	M _r : 1.3	M _r : 1.3	M _r : 0.6
						Static Permissible Moment [N·m]	M _r : 3.7	M _r : 3.7	M _r : 3.0

Product Name	Lead Screw Pitch [mm]	Transportable Mass [kg]		Thrust [N]	Push Force [N]	Holding Force [N]	Maximum Speed [mm/s]
		Horizontal	Vertical				
EAC4RW-D□□-ARA□□-3-G	12	~15	—	~70	100	70	600
EAC4RW-D□□-ARM□□-3-G			~6				
EAC4RW-E□□-ARA□□-3-G	6	~30	—	~125	200	125	300
EAC4RW-E□□-ARM□□-3-G			~11.5				

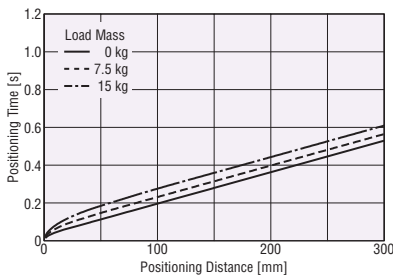
- A symbol or number will be entered in place of the □□ in the product name. For details, please refer to "Product Number" on page E-64.
- For reading the specifications table and notes, refer to "How to Read Specifications Table" on page E-61.

Positioning Distance – Positioning Time

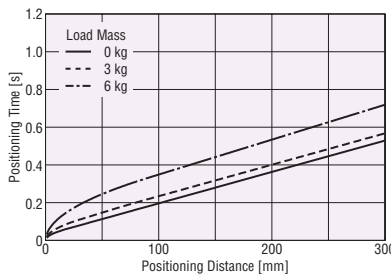
The positioning time (reference) can be checked from the positioning distance. Refer to page E-100 for operating speed and acceleration.

12 mm Lead Screw Pitch

Horizontal Direction Installation

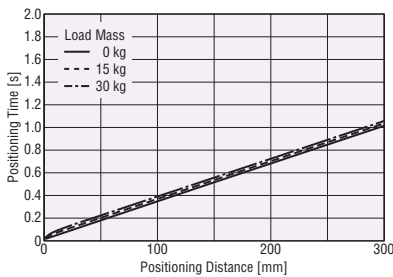


Vertical Direction Installation

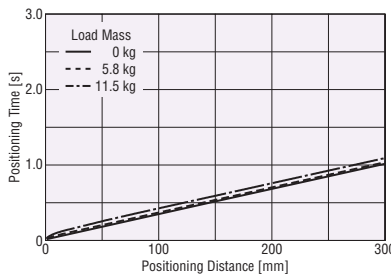


6 mm Lead Screw Pitch

Horizontal Direction Installation



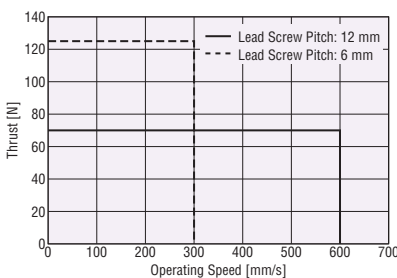
Vertical Direction Installation



Note

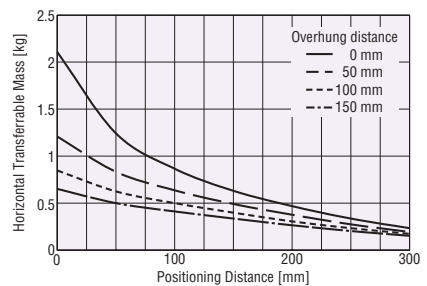
- The positioning time in the graph does not include the settling time. Use a settling time of 0.15 s or less as a reference. (Settling time is adjustable by the velocity filter function.)
- The starting speed should be 6 mm/s or less.

Operating Speed – Thrust

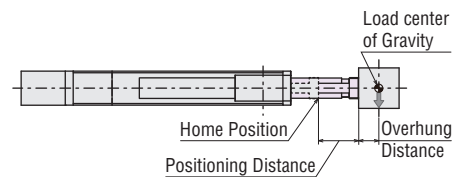


Maximum Transportable Mass in Horizontal Direction

Positioning Distance – Horizontally Transportable Mass



Products with shaft guide cover can be applied with load, and can transport the load. Refer to the above graph for the horizontally transportable mass.



- The positioning distance is the distance from the home position.
- The overhung distance is the distance taken by the protrusion from the load installation surface.

Dimensions

- Electric Cylinders → Page E-89
- Driver → Page A-61

Connection and Operation

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

Overview, Product Series

Electric Linear Slides

αSTEP AR EAS

Electric Cylinders

αSTEP AR EAC

DRLII

Hollow Rotary Actuators

αSTEP AR DGII

Accessories

EAC4W: Frame Size 42 mm × 114 mm 24 VDC Input Straight Type with Shaft Guide Cover

Maximum Transportable Mass: Horizontal 30 kg/Vertical 13 kg
Stroke: 50 to 300 mm (50 mm increments)



Electric Cylinders

Drive Method	Ball Screw	Repetitive Positioning Accuracy [mm]	±0.02	Resolution [P/R]	100~10000	Dynamic Permissible Moment [N·m]	M _r : 1.3	M _r : 1.3	M _r : 0.6
						Static Permissible Moment [N·m]	M _r : 3.7	M _r : 3.7	M _r : 3.0
Product Name	Lead Screw Pitch [mm]	Transportable Mass [kg]		Thrust [N]	Push Force [N]	Holding Force [N]	Maximum Speed [mm/s]		
EAC4W-D□□-ARAK□-3-G	12	~15	—	~70	100	70	600		
EAC4W-D□□-ARMK□-3-G			~6						
EAC4W-E□□-ARAK□-3-G	6	~30	—	~140	200	140	300		
EAC4W-E□□-ARMK□-3-G			~13						

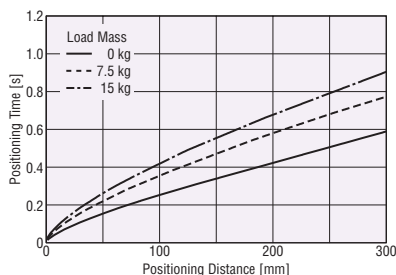
- A symbol or number will be entered in place of the □ in the product name. For details, please refer to "Product Number" on page E-64.
- For reading the specifications table and notes, refer to "How to Read Specifications Table" on page E-61.

Positioning Distance – Positioning Time

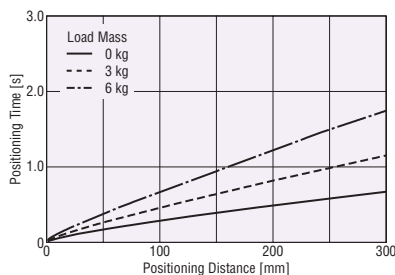
The positioning time (reference) can be checked from the positioning distance.
Refer to page E-101 for operating speed and acceleration.

12 mm Lead Screw Pitch

Horizontal Direction Installation

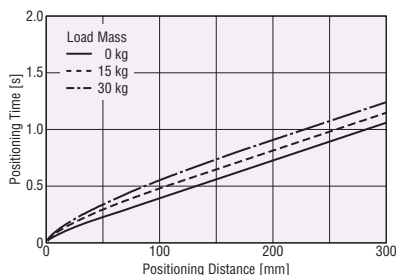


Vertical Direction Installation

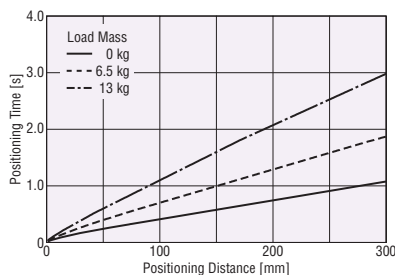


6 mm Lead Screw Pitch

Horizontal Direction Installation



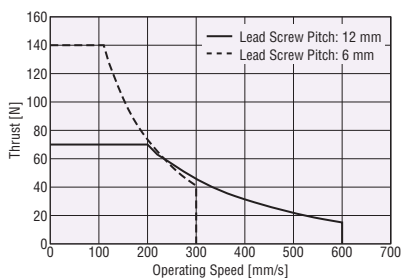
Vertical Direction Installation



Note

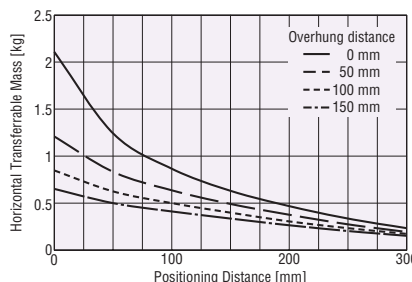
- The positioning time in the graph does not include the settling time.
Use a settling time of 0.15 s or less as a reference. (Settling time is adjustable by the velocity filter function.)
- The starting speed should be 6 mm/s or less.

Operating Speed – Thrust

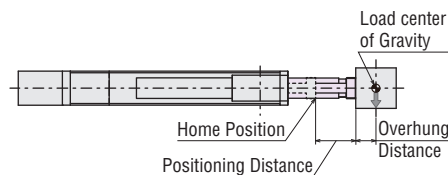


Maximum Transportable Mass in Horizontal Direction

Positioning Distance – Horizontally Transportable Mass



Products with shaft guide cover can be applied with load, and can transport the load. Refer to the above graph for the horizontally transportable mass.



- The positioning distance is the distance from the home position.
- The overhang distance is the distance taken by the protrusion from the load installation surface.

Dimensions

- Electric Cylinders → Page E-88
- Driver → Page A-185

Connection and Operation

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

EAC4RW: Frame Size 42 mm×114 mm 24 VDC Input Reversed Motor Type with Shaft Guide Cover

Maximum Transportable Mass: Horizontal 30 kg/Vertical 11.5 kg
Stroke: 50 to 300 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 Cylinders

Drive Method	Ball Screw	Repetitive Positioning Accuracy [mm]	±0.02	Resolution [P/R]	100~10000	Dynamic Permissible Moment [N·m]	M _r : 1.3	M _r : 1.3	M _r : 0.6
						Static Permissible Moment [N·m]	M _r : 3.7	M _r : 3.7	M _r : 3.0

Product Name	Lead Screw Pitch [mm]	Transportable Mass [kg]		Thrust [N]	Push Force [N]	Holding Force [N]	Maximum Speed [mm/s]
		Horizontal	Vertical				
EAC4RW-D□□-ARAK□-3-G	12	~15	—	~70	100	70	600
EAC4RW-D□□-ARMK□-3-G			~6				
EAC4RW-E□□-ARAK□-3-G	6	~30	—	~125	200	125	300
EAC4RW-E□□-ARMK□-3-G			~11.5				

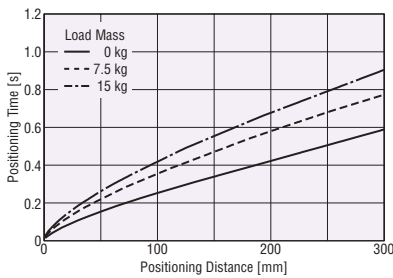
- A symbol or number will be entered in place of the □□ in the product name. For details, please refer to "Product Number" on page E-64.
- For reading the specifications table and notes, refer to "How to Read Specifications Table" on page E-61.

Positioning Distance – Positioning Time

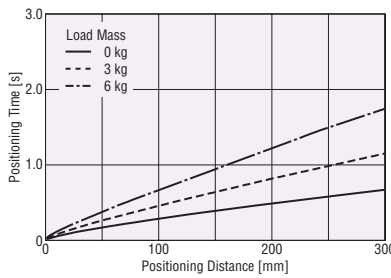
The positioning time (reference) can be checked from the positioning distance. Refer to page E-102 for operating speed and acceleration.

12 mm Lead Screw Pitch

Horizontal Direction Installation

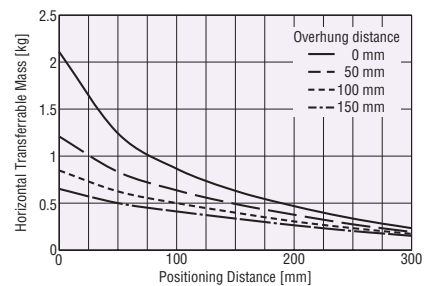


Vertical Direction Installation



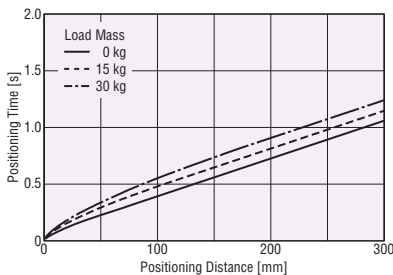
Maximum Transportable Mass in Horizontal Direction

Positioning Distance – Horizontally Transportable Mass

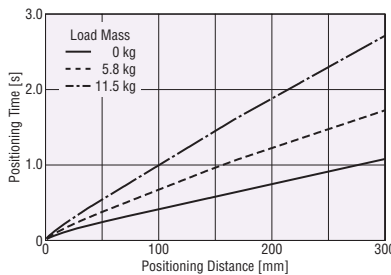


6 mm Lead Screw Pitch

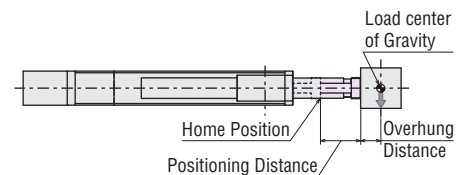
Horizontal Direction Installation



Vertical Direction Installation



Products with shaft guide cover can be applied with load, and can transport the load. Refer to the above graph for the horizontally transportable mass.

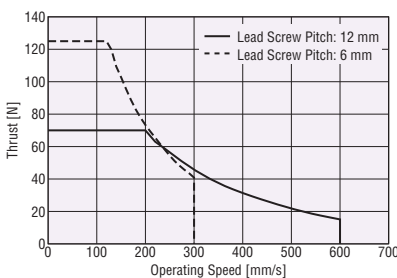


- The positioning distance is the distance from the home position.
- The overhang distance is the distance taken by the protrusion from the load installation surface.

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 – Thrust



Dimensions

- Electric Cylinders → Page E-89
- Driver → Page A-185

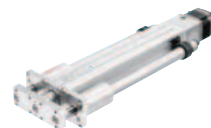
Connection and Operation

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

EAC6W: Frame Size 60 mm × 156 mm AC Input Straight Type with Shaft Guide Cover

Maximum Transportable Mass: Horizontal 60 kg/Vertical 28 kg

Stroke: 50 to 300 mm (50 mm increments)



Electric Cylinders

Drive Method	Ball Screw	Repetitive Positioning Accuracy [mm]	±0.02	Resolution [P/R]	100~10000	Dynamic Permissible Moment [N·m]	M _r : 2.2	M _r : 2.2	M _r : 1.3
						Static Permissible Moment [N·m]	M _r : 7.8	M _r : 7.8	M _r : 3.0
Product Name	Lead Screw Pitch [mm]	Transportable Mass [kg]		Thrust [N]	Push Force [N]	Holding Force [N]	Maximum Speed [mm/s]		
EAC6W-D□□-ARA□□-3-G	12	Horizontal	~30	~200	400	200	600		
EAC6W-D□□-ARM□□-3-G		Vertical	~13						
EAC6W-E□□-ARA□□-3-G	6	Horizontal	~60	~400	500	400	300		
EAC6W-E□□-ARM□□-3-G		Vertical	~28						

● 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-64.

● For reading the specifications table and notes, refer to "How to Read Specifications Table" on page E-61.

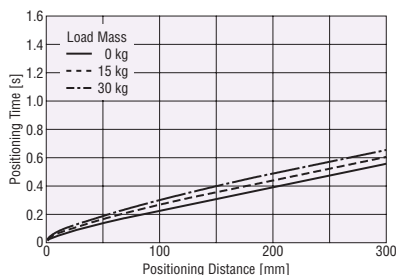
Positioning Distance – Positioning Time

The positioning time (reference) can be checked from the positioning distance.

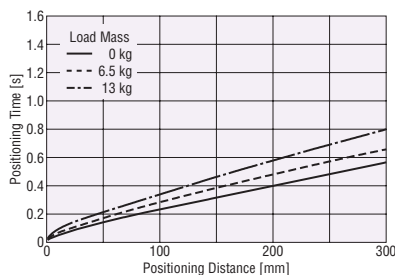
Refer to page E-103 for operating speed and acceleration.

12 mm Lead Screw Pitch

Horizontal Direction Installation



Vertical Direction Installation

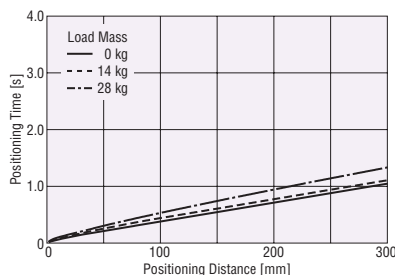


6 mm Lead Screw Pitch

Horizontal Direction Installation



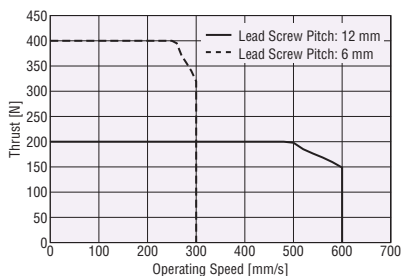
Vertical Direction Installation



Note

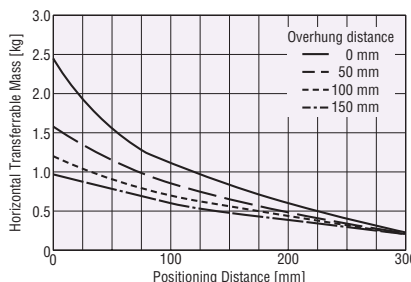
- The positioning time in the graph does not include the settling time.
Use a settling time of 0.15 s or less as a reference. (Settling time is adjustable by the velocity filter function.)
- The starting speed should be 6 mm/s or less.

Operating Speed – Thrust

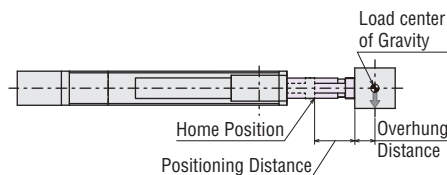


Maximum Transportable Mass in Horizontal Direction

Positioning Distance – Horizontally Transportable Mass



Products with shaft guide cover can be applied with load, and can transport the load. Refer to the above graph for the horizontally transportable mass.



- The positioning distance is the distance from the home position.
- The overhung distance is the distance taken by the protrusion from the load installation surface.

Dimensions

- Electric Cylinders → Page E-90
- Driver → Page A-61

Connection and Operation

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

EAC6RW: Frame Size 60 mm × 156 mm AC Input Reversed Motor Type with Shaft Guide Cover

Maximum Transportable Mass: Horizontal 60 kg/Vertical 28 kg
Stroke: 50 to 300 mm (50 mm increments)



Electric Cylinders

Drive Method	Ball Screw	Repetitive Positioning Accuracy [mm]	±0.02	Resolution [P/R]	100~10000	Dynamic Permissible Moment [N·m]	Mr: 2.2	Mv: 2.2	Mr: 1.3
						Static Permissible Moment [N·m]	Mr: 7.8	Mv: 7.8	Mr: 3.0

Product Name	Lead Screw Pitch [mm]	Transportable Mass [kg]		Thrust [N]	Push Force [N]	Holding Force [N]	Maximum Speed [mm/s]
		Horizontal	Vertical				
EAC6RW-D□□-ARA□□-3-G	12	~30	—	~200	400	200	600
EAC6RW-D□□-ARM□□-3-G			~13				
EAC6RW-E□□-ARA□□-3-G	6	~60	—	~360	500	360	300
EAC6RW-E□□-ARM□□-3-G			~28				

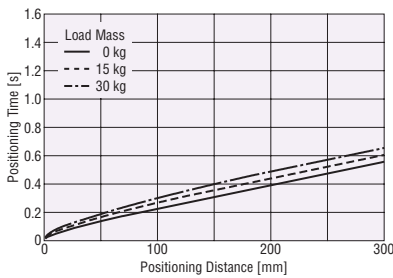
- A symbol or number will be entered in place of the □□ in the product name. For details, please refer to "Product Number" on page E-64.
- For reading the specifications table and notes, refer to "How to Read Specifications Table" on page E-61.

Positioning Distance – Positioning Time

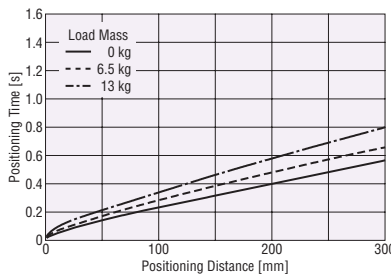
The positioning time (reference) can be checked from the positioning distance. Refer to page E-103 for operating speed and acceleration.

12 mm Lead Screw Pitch

Horizontal Direction Installation

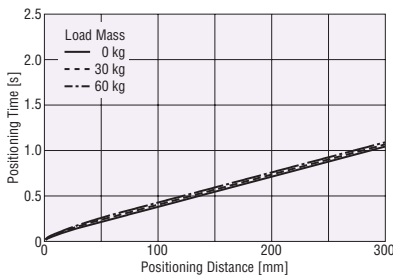


Vertical Direction Installation

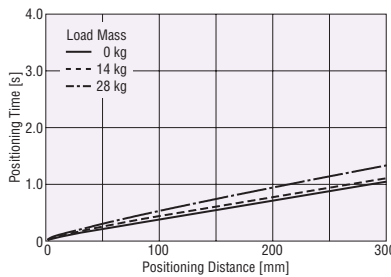


6 mm Lead Screw Pitch

Horizontal Direction Installation



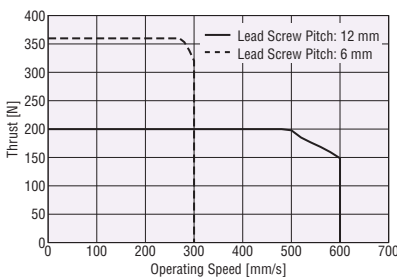
Vertical Direction Installation



Note

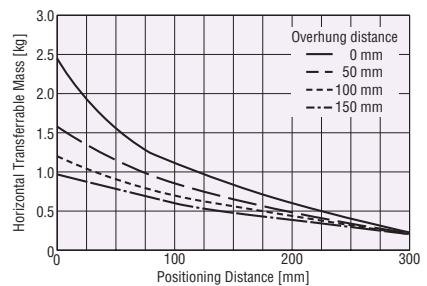
- The positioning time in the graph does not include the settling time. Use a settling time of 0.15 s or less as a reference. (Settling time is adjustable by the velocity filter function.)
- The starting speed should be 6 mm/s or less.

Operating Speed – Thrust

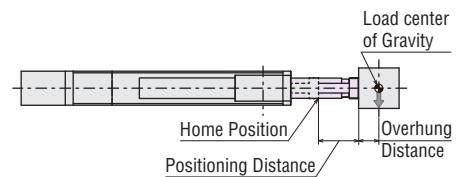


Maximum Transportable Mass in Horizontal Direction

Positioning Distance – Horizontally Transportable Mass



Products with shaft guide cover can be applied with load, and can transport the load. Refer to the above graph for the horizontally transportable mass.



- The positioning distance is the distance from the home position.
- The overhung distance is the distance taken by the protrusion from the load installation surface.

Dimensions

- Electric Cylinders → Page E-91
- Driver → Page A-61

Connection and Operation

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

Overview, Product Series

Electric Linear Slides

ALSTEP AR EAS

Electric Cylinders

ALSTEP AR EAC

DRLII

Hollow Rotary Actuators

ALSTEP AR DGII

Accessories

EAC6W: Frame Size 60 mm × 156 mm 24 VDC Input Straight Type with Shaft Guide Cover

Maximum Transportable Mass: Horizontal 60 kg/Vertical 28 kg
Stroke: 50 to 300 mm (50 mm increments)



Electric Cylinders

Drive Method	Ball Screw	Repetitive Positioning Accuracy [mm]	±0.02	Resolution [P/R]	100~10000	Dynamic Permissible Moment [N·m]	M _r : 2.2	M _r : 2.2	M _r : 1.3
						Static Permissible Moment [N·m]	M _r : 7.8	M _r : 7.8	M _r : 3.0
Product Name	Lead Screw Pitch [mm]	Transportable Mass [kg]		Thrust [N]	Push Force [N]	Holding Force [N]	Maximum Speed [mm/s]		
EAC6W-D□□-ARAK□-3-G	12	Horizontal	~30	~200	400	200	600		
EAC6W-D□□-ARMK□-3-G		Vertical	~13						
EAC6W-E□□-ARAK□-3-G	6	Horizontal	~60	~400	500	400	300		
EAC6W-E□□-ARMK□-3-G		Vertical	~28						

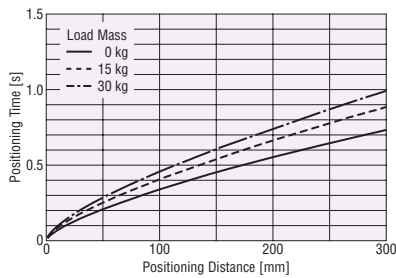
- A symbol or number will be entered in place of the □ in the product name. For details, please refer to "Product Number" on page E-64.
- For reading the specifications table and notes, refer to "How to Read Specifications Table" on page E-61.

Positioning Distance – Positioning Time

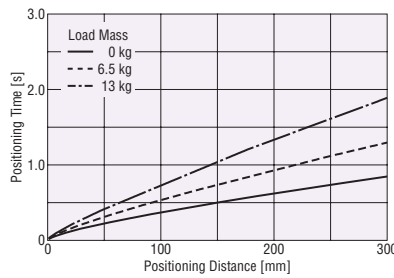
The positioning time (reference) can be checked from the positioning distance.
Refer to page E-104 for operating speed and acceleration.

12 mm Lead Screw Pitch

Horizontal Direction Installation

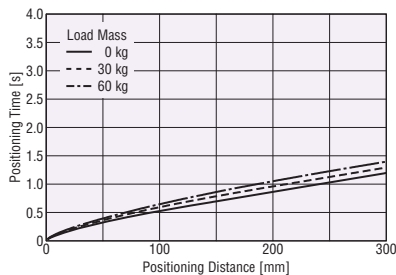


Vertical Direction Installation

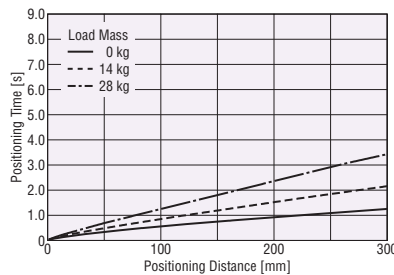


6 mm Lead Screw Pitch

Horizontal Direction Installation



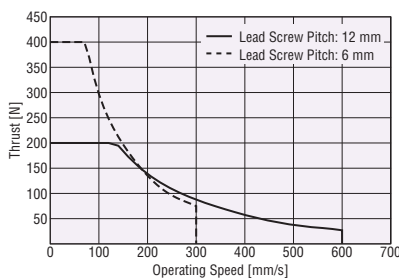
Vertical Direction Installation



Note

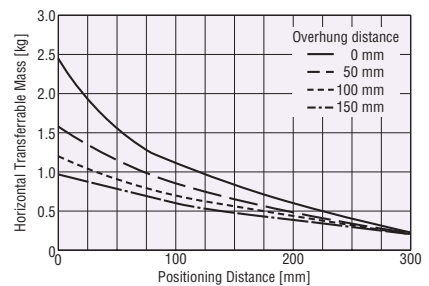
- The positioning time in the graph does not include the settling time.
Use a settling time of 0.15 s or less as a reference. (Settling time is adjustable by the velocity filter function.)
- The starting speed should be 6 mm/s or less.

Operating Speed – Thrust

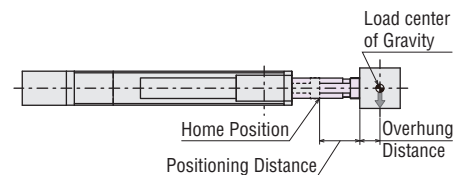


Maximum Transportable Mass in Horizontal Direction

Positioning Distance – Horizontally Transportable Mass



Products with shaft guide cover can be applied with load, and can transport the load. Refer to the above graph for the horizontally transportable mass.



- The positioning distance is the distance from the home position.
- The overhang distance is the distance taken by the protrusion from the load installation surface.

Dimensions

- Electric Cylinders → Page E-90
- Driver → Page A-185

Connection and Operation

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

EAC6RW: Frame Size 60 mm × 156 mm 24 VDC Input Reversed Motor Type with Shaft Guide Cover

Maximum Transportable Mass: Horizontal 60 kg/Vertical 28 kg
Stroke: 50 to 300 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 Cylinders

Drive Method	Ball Screw	Repetitive Positioning Accuracy [mm]	±0.02	Resolution [P/R]	100~10000	Dynamic Permissible Moment [N·m]	Mr: 2.2	Mv: 2.2	Mr: 1.3
						Static Permissible Moment [N·m]	Mr: 7.8	Mv: 7.8	Mr: 3.0

Product Name	Lead Screw Pitch [mm]	Transportable Mass [kg]		Thrust [N]	Push Force [N]	Holding Force [N]	Maximum Speed [mm/s]
		Horizontal	Vertical				
EAC6RW-D□□-ARAK□-3-G	12	~30	—	~200	400	200	600
EAC6RW-D□□-ARMK□-3-G			~13				
EAC6RW-E□□-ARAK□-3-G	6	~60	—	~360	500	360	300
EAC6RW-E□□-ARMK□-3-G			~28				

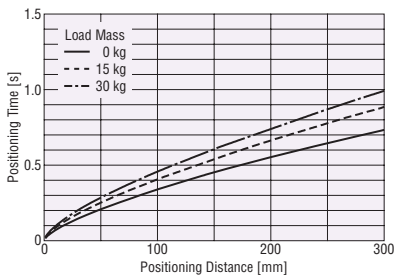
- A symbol or number will be entered in place of the □□ in the product name. For details, please refer to "Product Number" on page E-64.
- For reading the specifications table and notes, refer to "How to Read Specifications Table" on page E-61.

Positioning Distance – Positioning Time

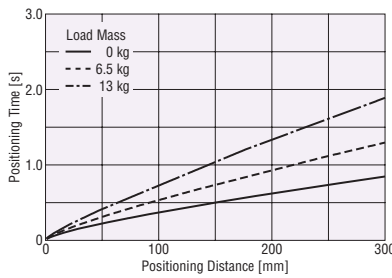
The positioning time (reference) can be checked from the positioning distance. Refer to page E-104 for operating speed and acceleration.

12 mm Lead Screw Pitch

◇ Horizontal Direction Installation

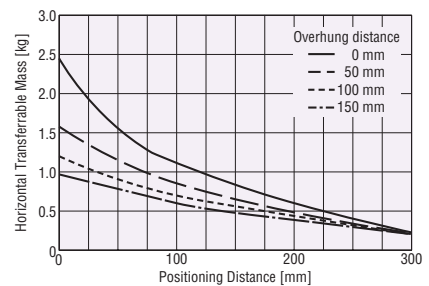


◇ Vertical Direction Installation



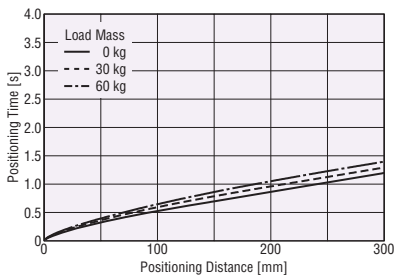
Maximum Transportable Mass in Horizontal Direction

◇ Positioning Distance – Horizontally Transportable Mass

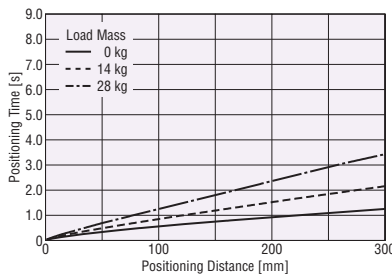


6 mm Lead Screw Pitch

◇ Horizontal Direction Installation



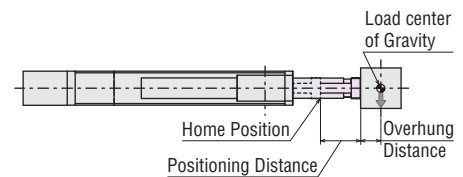
◇ Vertical Direction Installation



Note

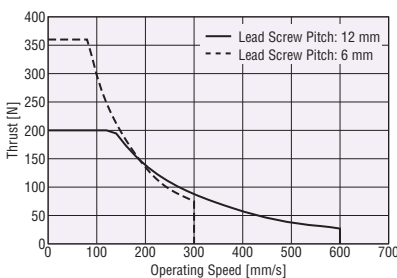
- The positioning time in the graph does not include the settling time. Use a settling time of 0.15 s or less as a reference. (Settling time is adjustable by the velocity filter function.)
- The starting speed should be 6 mm/s or less.

Products with shaft guide cover can be applied with load, and can transport the load. Refer to the above graph for the horizontally transportable mass.



- The positioning distance is the distance from the home position.
- The overhung distance is the distance taken by the protrusion from the load installation surface.

Operating Speed – Thrust



Dimensions

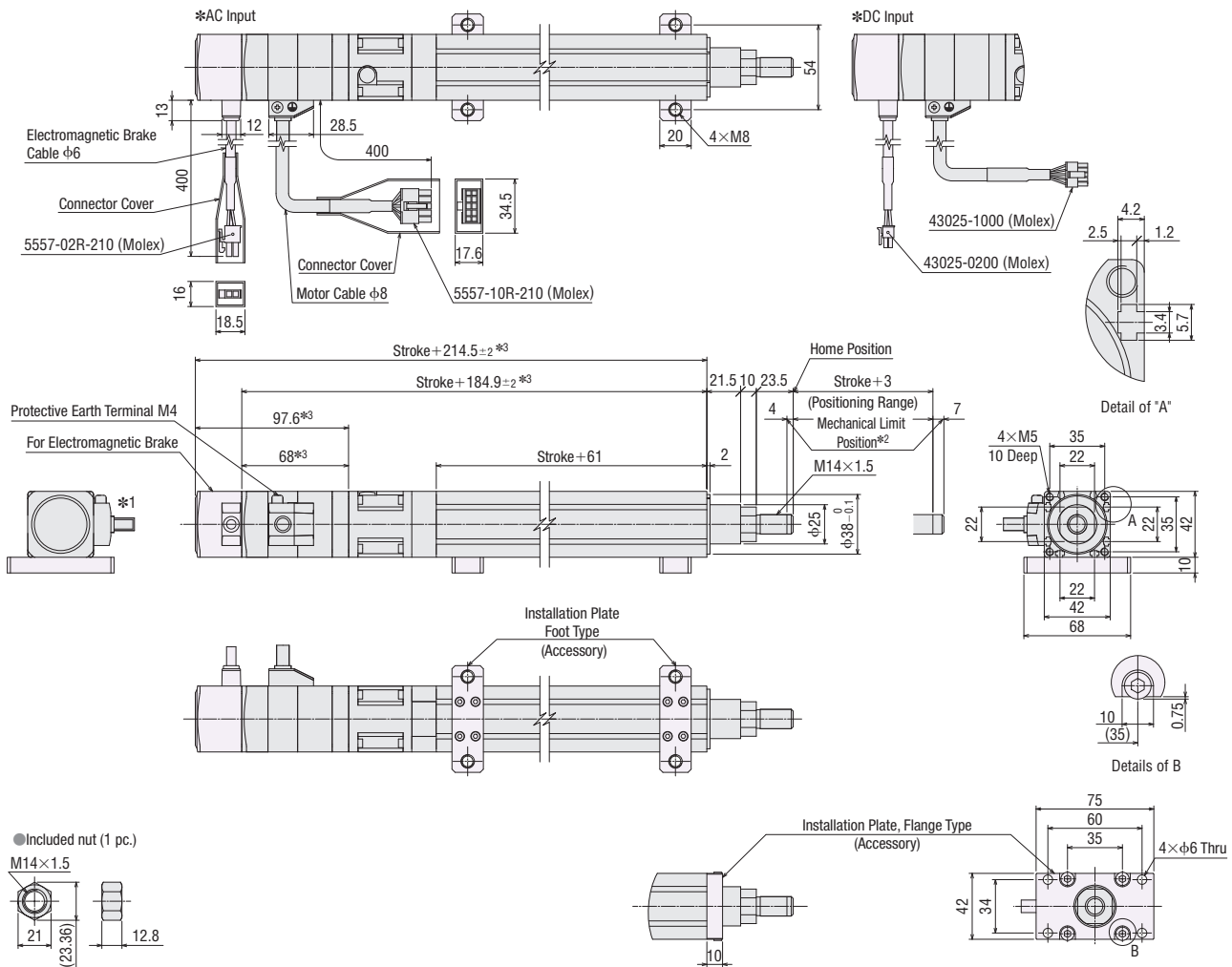
- Electric Cylinders → Page E-91
- Driver → Page A-185

Connection and Operation

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

Dimensions Unit = mm

● Electric Cylinders
◇ **EAC4** Straight Type



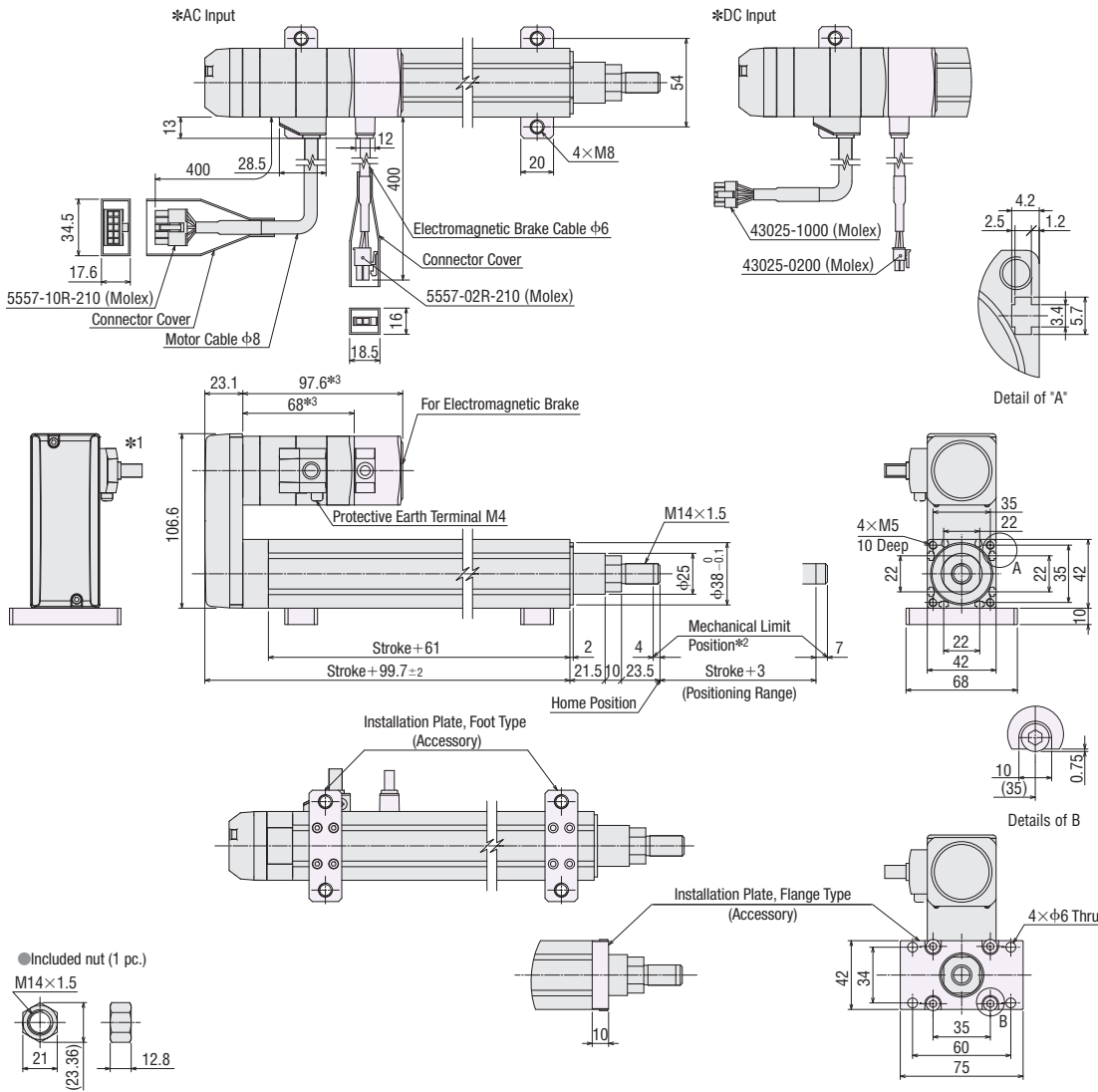
- *1 The motor cable outlet direction can be changed in 90° intervals in four directions.
- *2 During the pushing return-to-home operation, the rod moves to mechanical limit position. The pushing return-to-home operation can not be performed on the opposite side of the motor.
- *3 For DC input, total motor length shortens by 0.5 mm for single shaft models, and 0.6 mm for the electromagnetic brake type.

Electric Cylinder Product Name: EACM4D□□ARAK, EACM4E□□ARAK, EACM4D□□ARAC, EACM4E□□ARAC (Single Shaft)
EACM4D□□ARMK, EACM4E□□ARMK, EACM4D□□ARMC, EACM4E□□ARMC (With Electromagnetic Brake)

		Numbers Specifiable in the Box □ within the Electric Cylinder Product Name					
		05	10	15	20	25	30
Stroke		50	100	150	200	250	300
Mass [kg]	Single Shaft	1.1	1.3	1.5	1.7	1.8	2.0
	With Electromagnetic Brake	1.2	1.4	1.6	1.8	1.9	2.1

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

◆EAC4R Reversed Motor Type



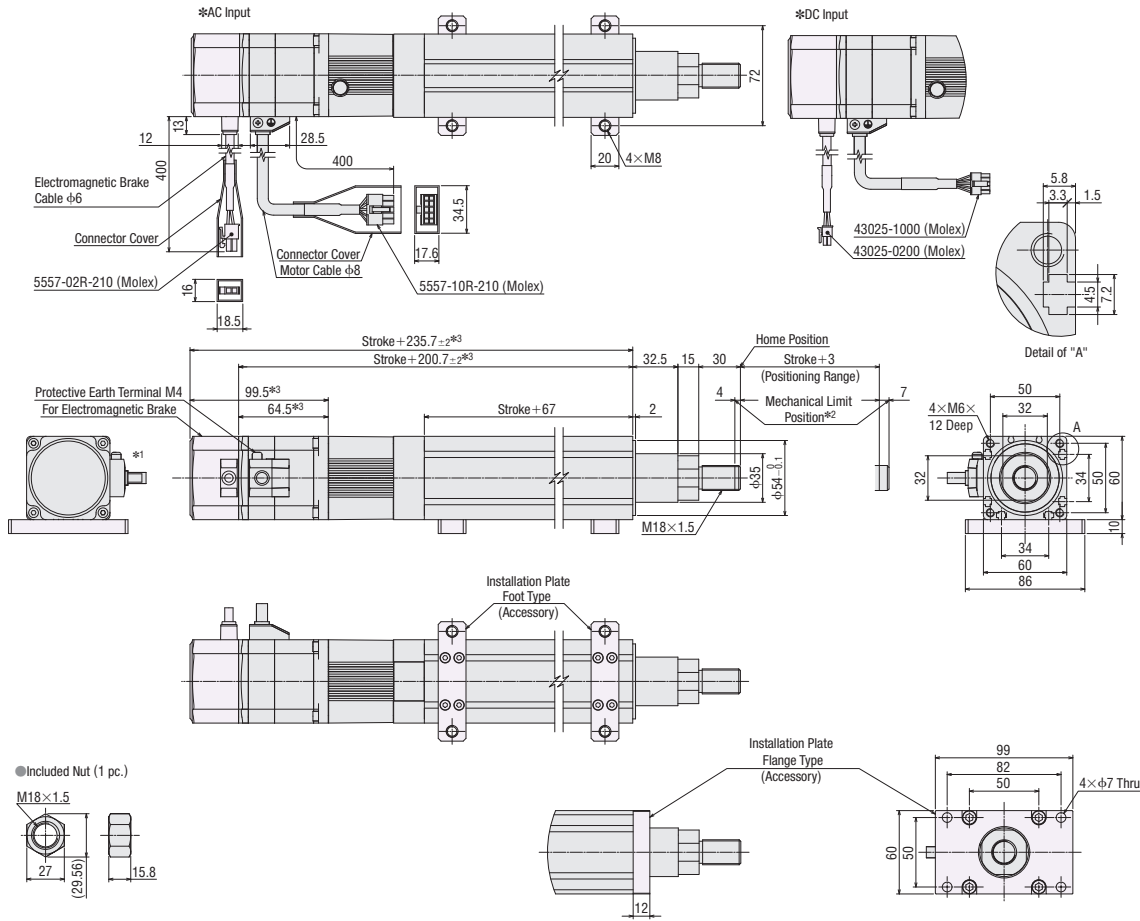
- *1 The motor cable outlet direction can be changed in 90° intervals in three directions.
- *2 During the pushing return-to-home operation, the rod moves to mechanical limit position. The pushing return-to-home operation can not be performed on the opposite side of the motor.
- *3 For DC input, total motor length shortens by 0.5 mm for single shaft models, and 0.6 mm for the electromagnetic brake type.

Electric Cylinder Product Name: EACM4RD□□ARAK, EACM4RE□□ARAK, EACM4RD□□ARAC, EACM4RE□□ARAC (Single Shaft)
 EACM4RD□□ARMK, EACM4RE□□ARMK, EACM4RD□□ARMC, EACM4RE□□ARMC (With Electromagnetic Brake)

		Numbers Specifiable in the Box □ within the Electric Cylinder Product Name					
		05	10	15	20	25	30
Stroke		50	100	150	200	250	300
Mass [kg]	Single Shaft	1.1	1.3	1.5	1.7	1.8	2.0
	With Electromagnetic Brake	1.2	1.4	1.6	1.8	1.9	2.1

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

◇ **EAC6 Straight Type**



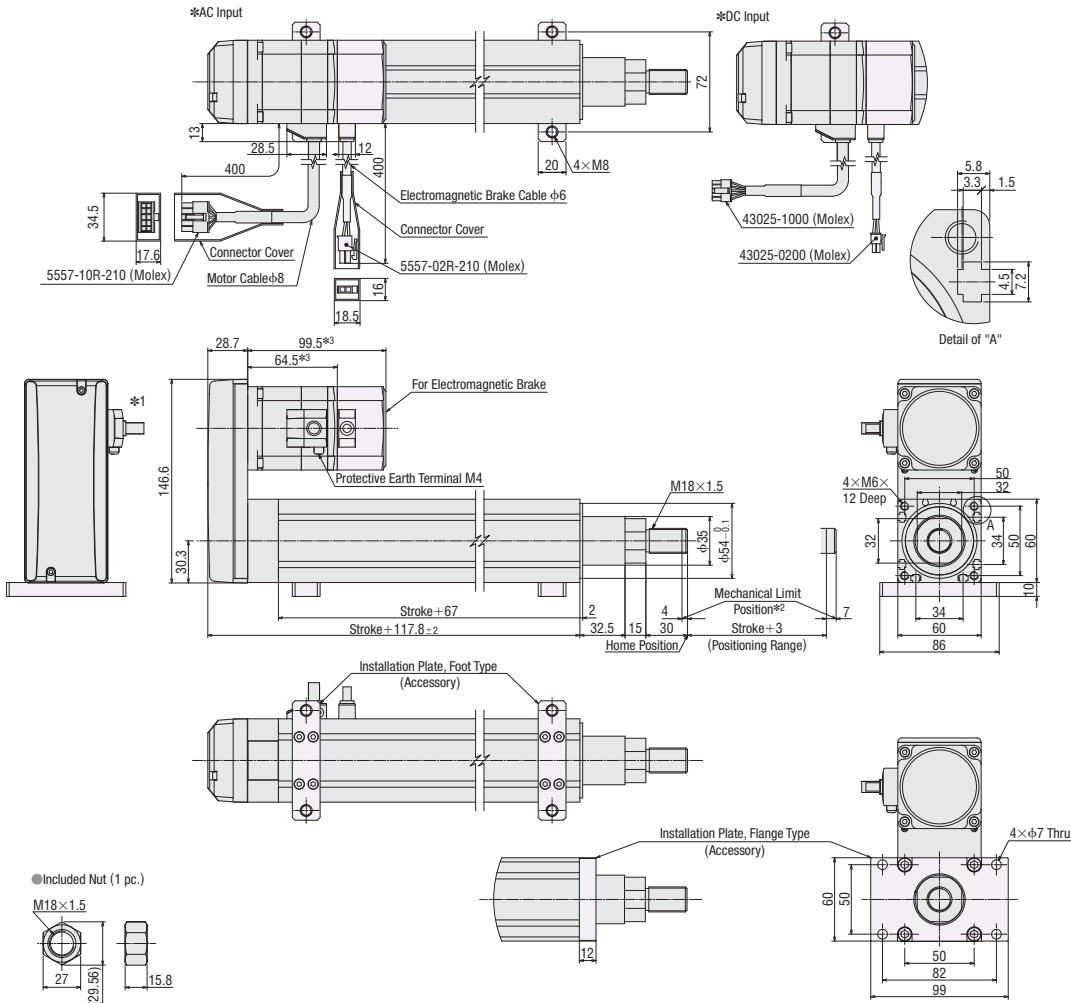
- *1 The motor cable outlet direction can be changed in 90° intervals in four directions.
- *2 During the pushing return-to-home operation, the rod moves to mechanical limit position. The pushing return-to-home operation can not be performed on the opposite side of the motor.
- *3 For DC input, total motor length shortens by 0.5 mm for single shaft models, and 0.6 mm for the electromagnetic brake type.

Electric Cylinder Product Name: EACM6D□□ARAK, EACM6E□□ARAK, EACM6D□□ARAC, EACM6E□□ARAC (Single Shaft)
EACM6D□□ARMK, EACM6E□□ARMK, EACM6D□□ARMC, EACM6E□□ARMC (With Electromagnetic Brake)

	Numbers Specifiable in the Box □ within the Electric Cylinder Product Name						
	05	10	15	20	25	30	
Stroke	50	100	150	200	250	300	
Mass [kg]	Single Shaft	2.6	3.0	3.4	3.7	4.1	4.5
	With Electromagnetic Brake	2.9	3.3	3.7	4.0	4.4	4.8

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

◆ EAC6R Reversed Motor Type



- *1 The motor cable outlet direction can be changed in 90° intervals in three directions.
- *2 During the pushing return-to-home operation, the rod moves to mechanical limit position. The pushing return-to-home operation can not be performed on the opposite side of the motor.
- *3 For DC input, total motor length shortens by 0.5 mm for single shaft models, and 0.6 mm for the electromagnetic brake type.

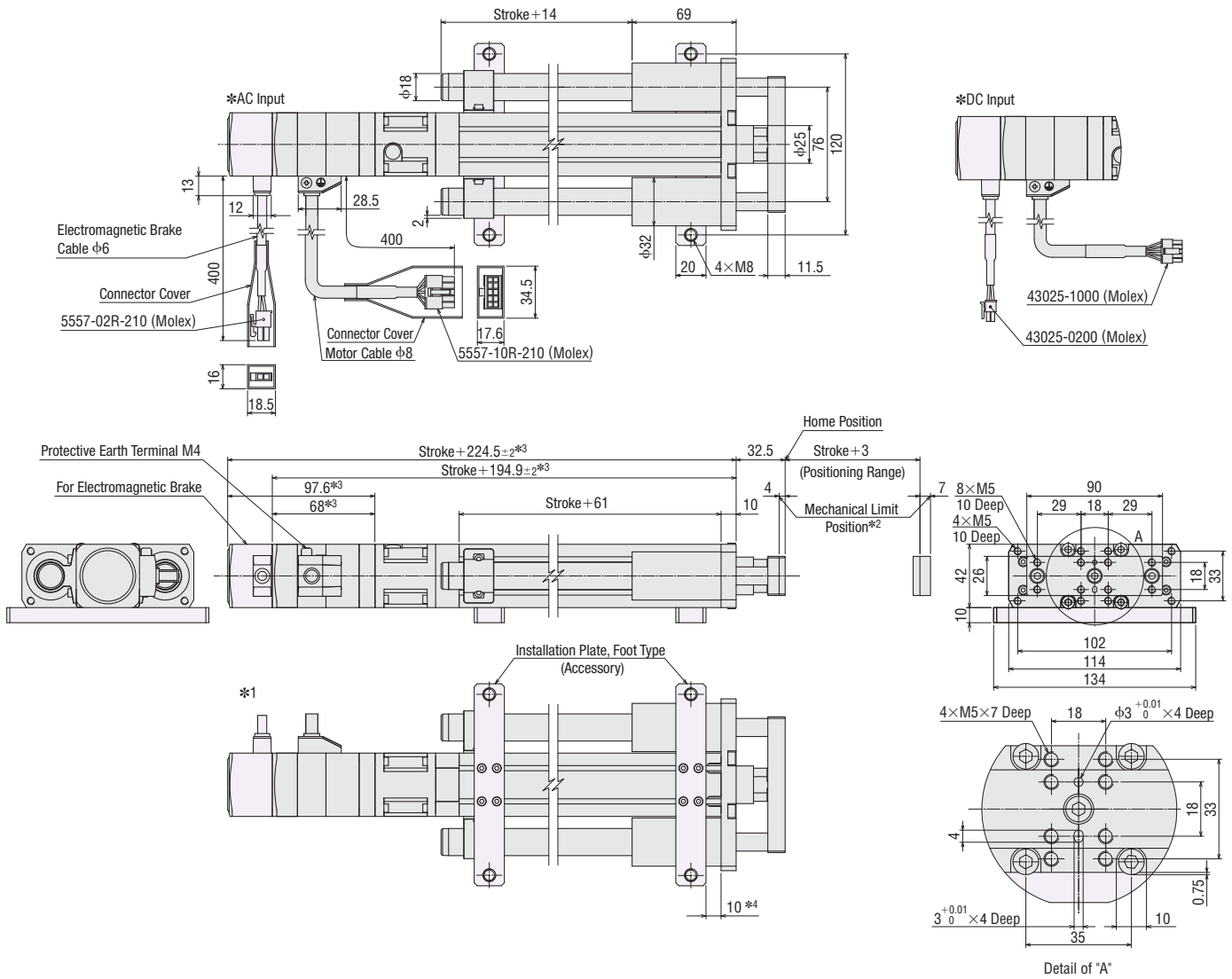
Electric Cylinder Product Name: EACM6RD□□ARAK, EACM6RE□□ARAK, EACM6RD□□ARAC, EACM6RE□□ARAC (Single Shaft)
 EACM6RD□□ARMK, EACM6RE□□ARMK, EACM6RD□□ARMC, EACM6RE□□ARMC (With Electromagnetic Brake)

		Numbers Specifiable in the Box □ within the Electric Cylinder Product Name					
		05	10	15	20	25	30
Stroke		50	100	150	200	250	300
Mass [kg]	Single Shaft	2.6	3.0	3.4	3.7	4.1	4.5
	With Electromagnetic Brake	2.9	3.3	3.7	4.0	4.4	4.8

● 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

◇ **EAC4W** Straight Type with Shaft Guide Cover



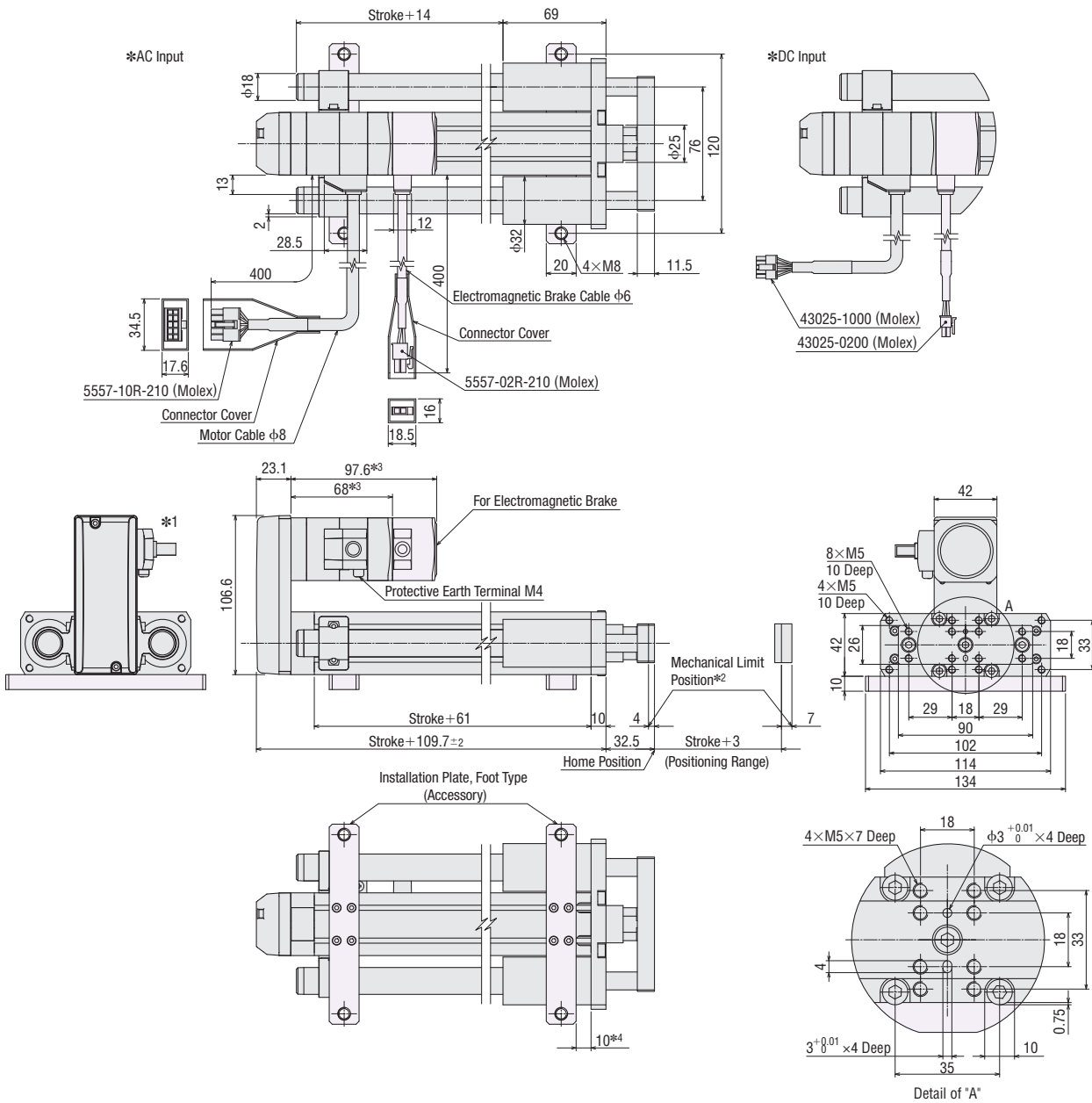
- *1 The motor cable outlet direction can be changed in 90° intervals in four directions.
- *2 During the pushing return-to-home operation, the rod moves to mechanical limit position. The pushing return-to-home operation can not be performed on the opposite side of the motor.
- *3 For DC input, total motor length shortens by 0.5 mm for single shaft models, and 0.6 mm for the electromagnetic brake type.
- *4 The installation plate foot type can not be installed on this part.

Electric Cylinder Product Name: With Shaft Guide Cover
 EACM4WD□□ARAK-G, EACM4WE□□ARAK-G, EACM4WD□□ARAC-G, EACM4WE□□ARAC-G (Single Shaft)
 EACM4WD□□ARMK-G, EACM4WE□□ARMK-G, EACM4WD□□ARMC-G, EACM4WE□□ARMC-G (With Electromagnetic Brake)

		Numbers Specifiable in the Box □ within the Electric Cylinder Product Name					
		05	10	15	20	25	30
Stroke		50	100	150	200	250	300
Mass [kg]	Single Shaft	1.8	2.1	2.5	2.7	3.0	3.3
	With Electromagnetic Brake	2.0	2.3	2.6	2.8	3.2	3.5

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

◇ EAC4RW Reversed Motor Type with Shaft Guide Cover



- *1 The motor cable outlet direction can be changed in 90° intervals in three directions.
- *2 During the pushing return-to-home operation, the rod moves to mechanical limit position. The pushing return-to-home operation can not be performed on the opposite side of the motor.
- *3 For DC input, total motor length shortens by 0.5 mm for single shaft models, and 0.6 mm for the electromagnetic brake type.
- *4 The installation plate foot type can not be installed on this part.

Electric Cylinder With Shaft Guide EACM4RWD□□ARAK-G, EACM4RWE□□ARAK-G, EACM4RWD□□ARAC-G, EACM4RWE□□ARAC-G (Single Shaft)
 Product Name: Cover EACM4RWD□□ARMK-G, EACM4RWE□□ARMK-G, EACM4RWD□□ARMC-G,
 EACM4RWE□□ARMC-G (With Electromagnetic Brake)

		Numbers Specifiable in the Box □ within the Electric Cylinder Product Name					
		05	10	15	20	25	30
Stroke		50	100	150	200	250	300
Mass [kg]	Single Shaft	1.8	2.1	2.5	2.7	3.0	3.3
	With Electromagnetic Brake	2.0	2.3	2.6	2.8	3.2	3.5

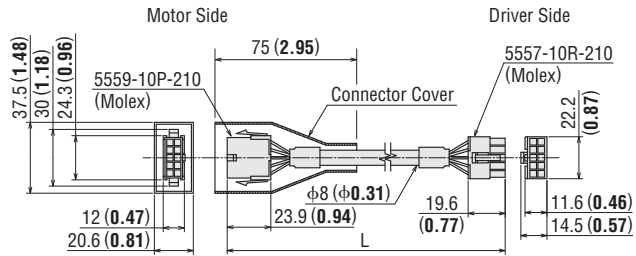
● For CAD data, please download from the Oriental Motor website.
<http://www.orientalmotor.com>

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

◇ AC Input, Common to All Types

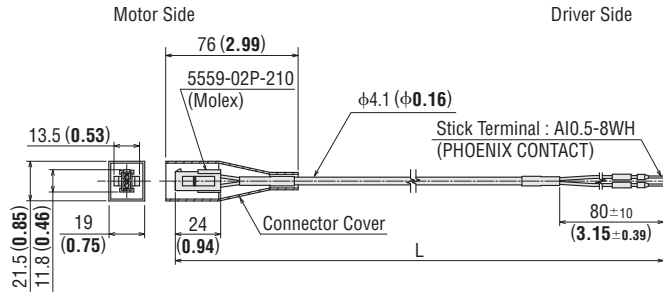
● Cables for Motor

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



● Cables for Electromagnetic Brake (Electromagnetic brake type only)

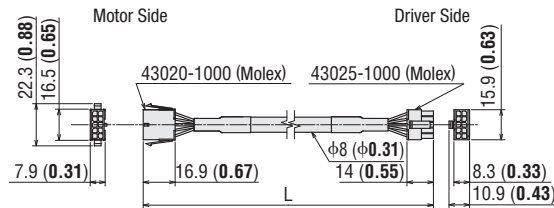
Cable Type	Length L m (ft.)
Cable for Electromagnetic Brake	3 (9.8)



◇ DC Input, Common to All Types

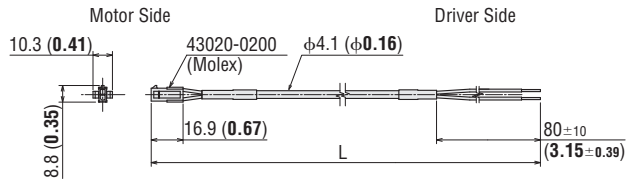
● Cables for Motor

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)

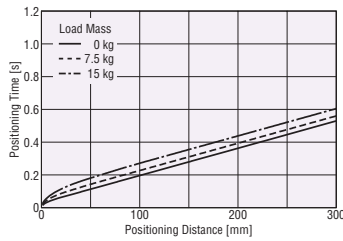


Operating Data under Typical Conditions

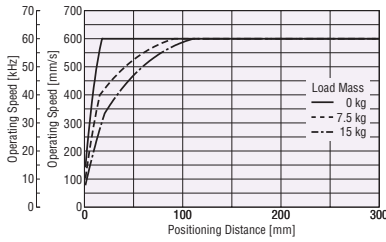
● EAC4: Straight Type, AC Input, Lead Screw Pitch: 12 mm

◇ Horizontal Direction Installation

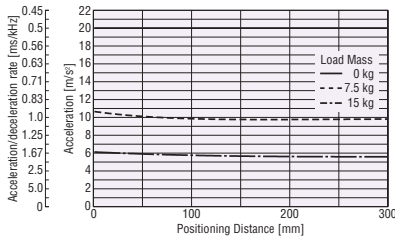
● Positioning Distance – Positioning Time



● Positioning Distance – Operating Speed

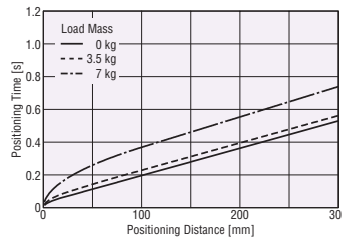


● Positioning Distance – Acceleration

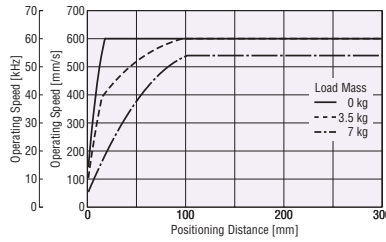


◇ Vertical Direction Installation

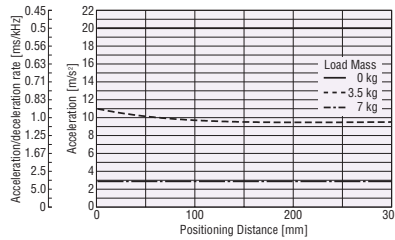
● Positioning Distance – Positioning Time



● Positioning Distance – Operating Speed



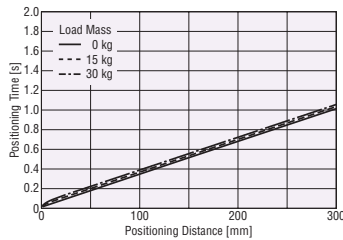
● Positioning Distance – Acceleration



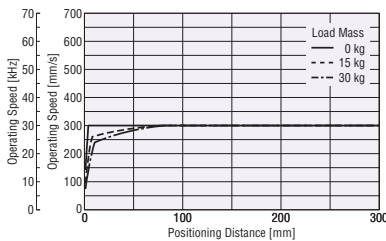
● EAC4: Straight Type, AC Input, Lead Screw Pitch: 6 mm

◇ Horizontal Direction Installation

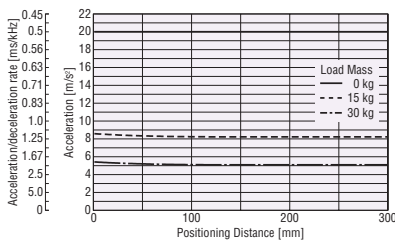
● Positioning Distance – Positioning Time



● Positioning Distance – Operating Speed

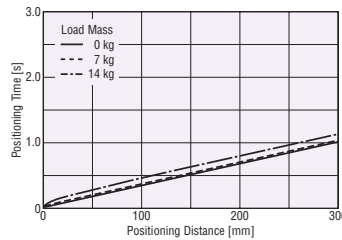


● Positioning Distance – Acceleration

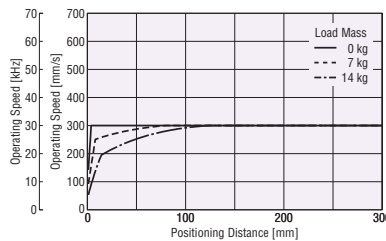


◇ Vertical Direction Installation

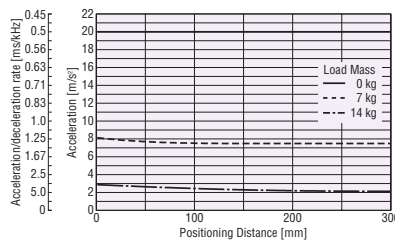
● Positioning Distance – Positioning Time



● Positioning Distance – Operating Speed



● Positioning Distance – Acceleration



● 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 cylinder is set to 0.01 mm.

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Actuators

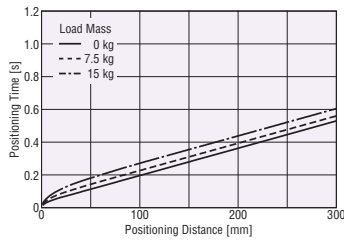
Q_{STEP} AR
DGII

Accessories

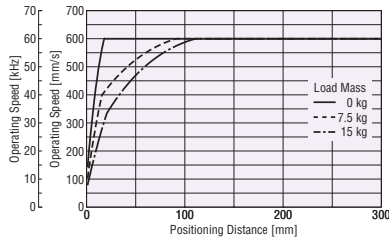
● **EAC4: Reversed Motor Type, AC Input, Lead Screw Pitch: 12 mm**

◇ Horizontal Direction Installation

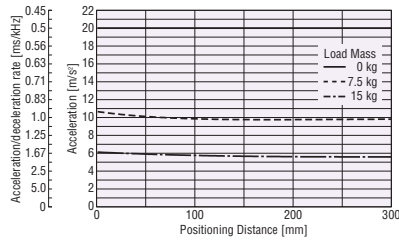
● Positioning Distance – Positioning Time



● Positioning Distance – Operating Speed

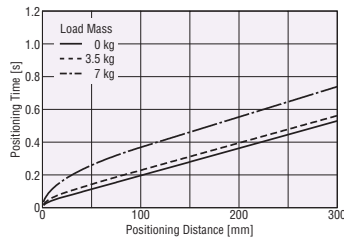


● Positioning Distance – Acceleration

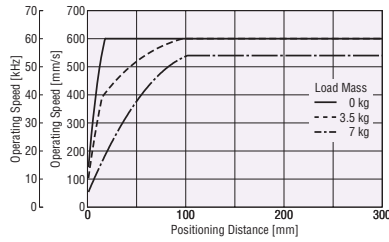


◇ Vertical Direction Installation

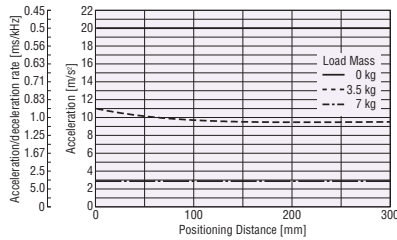
● Positioning Distance – Positioning Time



● Positioning Distance – Operating Speed



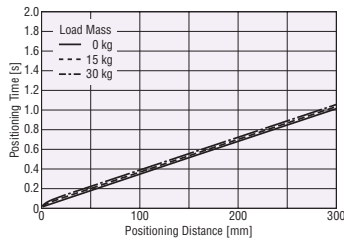
● Positioning Distance – Acceleration



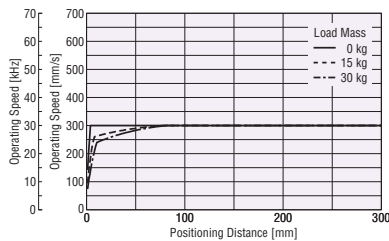
● **EAC4: Reversed Motor Type, AC Input, Lead Screw Pitch: 6 mm**

◇ Horizontal Direction Installation

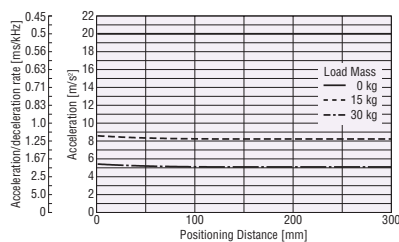
● Positioning Distance – Positioning Time



● Positioning Distance – Operating Speed

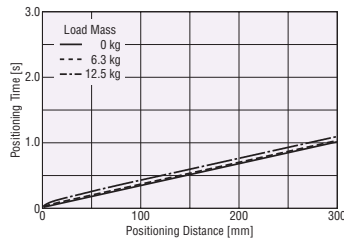


● Positioning Distance – Acceleration

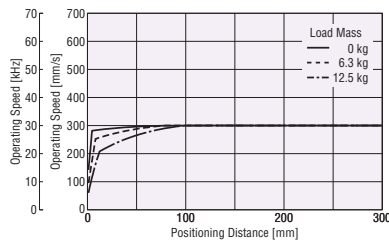


◇ Vertical Direction Installation

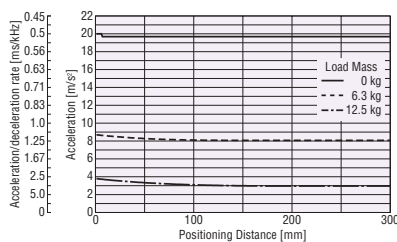
● Positioning Distance – Positioning Time



● Positioning Distance – Operating Speed



● Positioning Distance – Acceleration

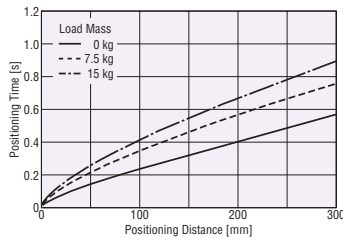


● In the graphs above, the values for the operating speeds [kHz] and acceleration/deceleration rates [ms/kHz] are taken when the minimum traveling amount of the electric cylinder is set to 0.01 mm.

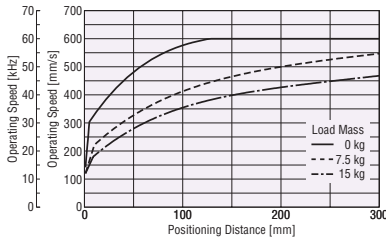
● **EAC4: Straight Type, 24 VDC Input, Lead Screw Pitch: 12 mm**

◇ Horizontal Direction Installation

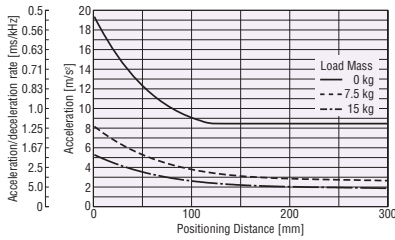
● Positioning Distance – Positioning Time



● Positioning Distance – Operating Speed

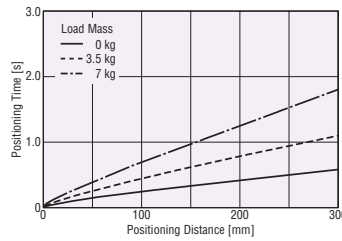


● Positioning Distance – Acceleration

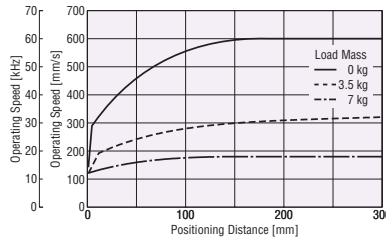


◇ Vertical Direction Installation

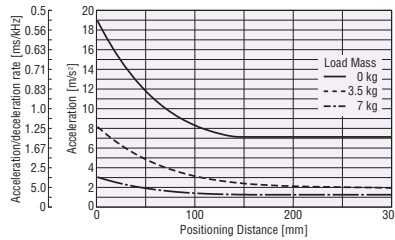
● Positioning Distance – Positioning Time



● Positioning Distance – Operating Speed



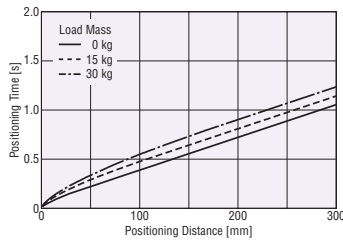
● Positioning Distance – Acceleration



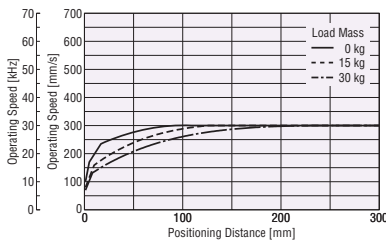
● **EAC4: Straight Type, 24 VDC Input, Lead Screw Pitch: 6 mm**

◇ Horizontal Direction Installation

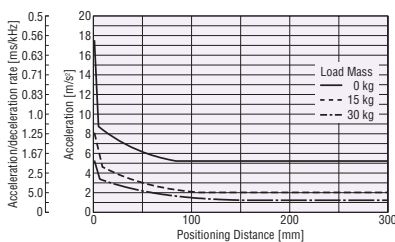
● Positioning Distance – Positioning Time



● Positioning Distance – Operating Speed

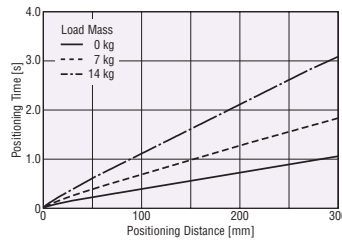


● Positioning Distance – Acceleration

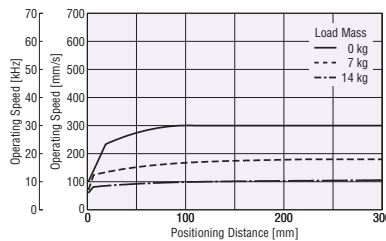


◇ Vertical Direction Installation

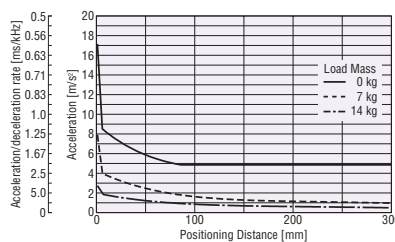
● Positioning Distance – Positioning Time



● Positioning Distance – Operating Speed



● Positioning Distance – Acceleration



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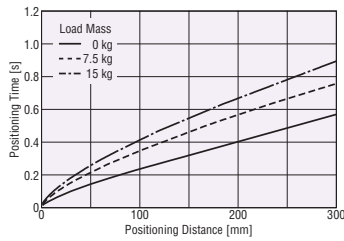
αSTEP AR
DGII

Accessories

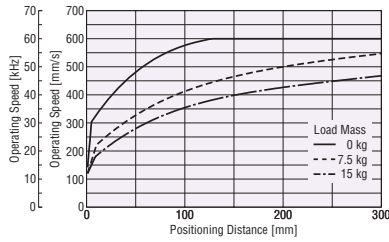
● **EAC4: Reversed Motor Type, 24 VDC Input, Lead Screw Pitch: 12 mm**

◇ Horizontal Direction Installation

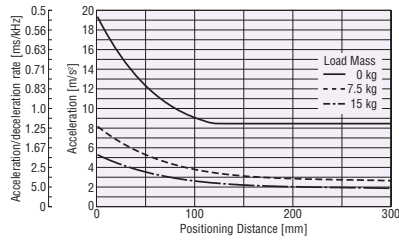
● Positioning Distance – Positioning Time



● Positioning Distance – Operating Speed

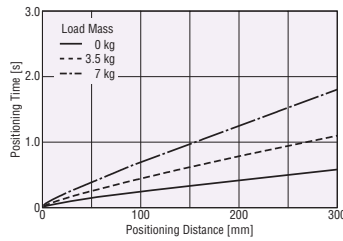


● Positioning Distance – Acceleration

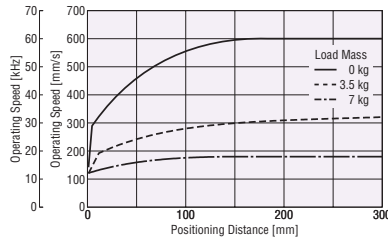


◇ Vertical Direction Installation

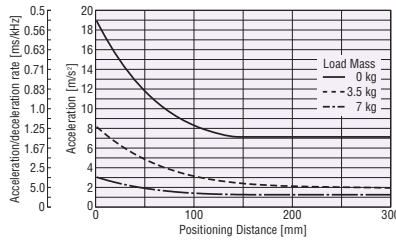
● Positioning Distance – Positioning Time



● Positioning Distance – Operating Speed



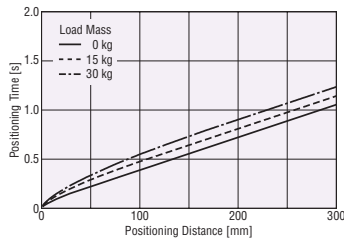
● Positioning Distance – Acceleration



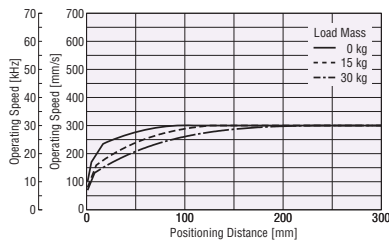
● **EAC4: Reversed Motor Type, 24 VDC Input, Lead Screw Pitch: 6 mm**

◇ Horizontal Direction Installation

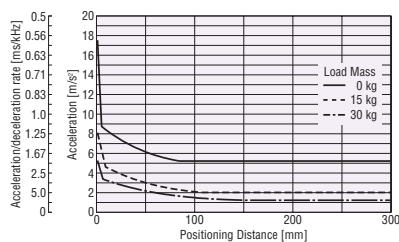
● Positioning Distance – Positioning Time



● Positioning Distance – Operating Speed

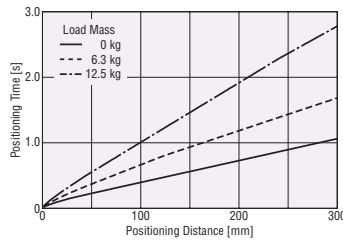


● Positioning Distance – Acceleration

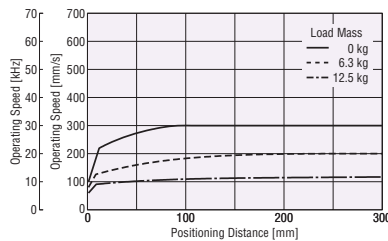


◇ Vertical Direction Installation

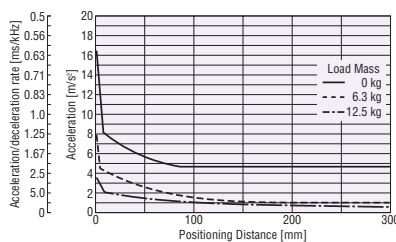
● Positioning Distance – Positioning Time



● Positioning Distance – Operating Speed



● Positioning Distance – Acceleration

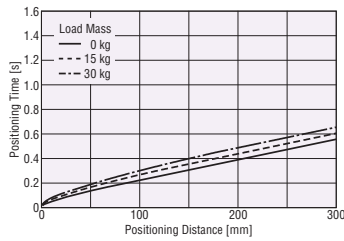


● In the graphs above, the values for the operating speeds [kHz] and acceleration/deceleration rates [ms/kHz] are taken when the minimum traveling amount of the electric cylinder is set to 0.01 mm.

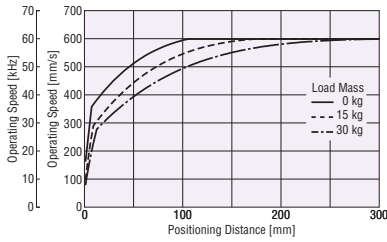
● **EAC6: Straight Type/Reversed Motor Type, AC Input, Lead Screw Pitch: 12 mm**

◇ Horizontal Direction Installation

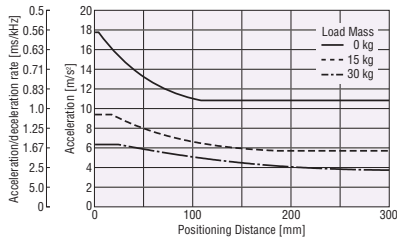
● Positioning Distance – Positioning Time



● Positioning Distance – Operating Speed

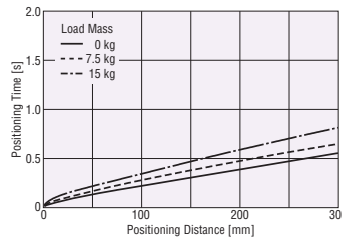


● Positioning Distance – Acceleration

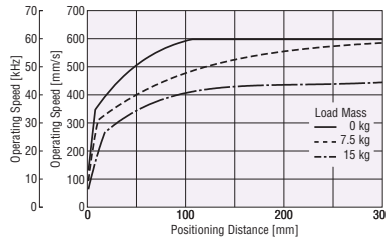


◇ Vertical Direction Installation

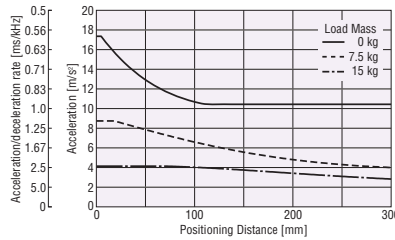
● Positioning Distance – Positioning Time



● Positioning Distance – Operating Speed



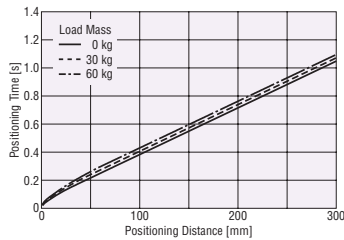
● Positioning Distance – Acceleration



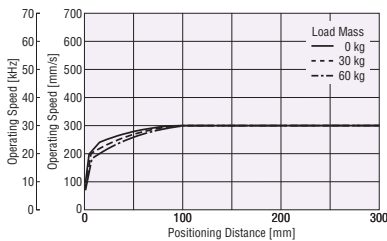
● **EAC6: Straight Type/Reversed Motor Type, AC Input, Lead Screw Pitch: 6 mm**

◇ Horizontal Direction Installation

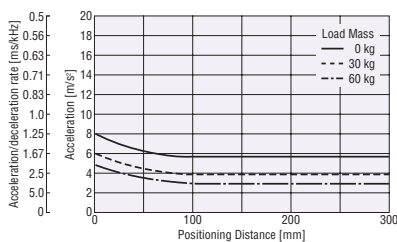
● Positioning Distance – Positioning Time



● Positioning Distance – Operating Speed

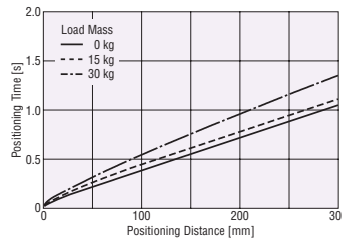


● Positioning Distance – Acceleration

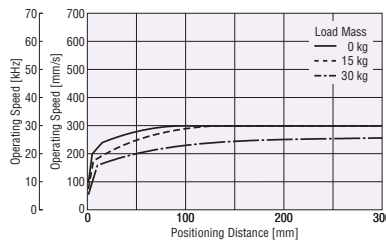


◇ Vertical Direction Installation

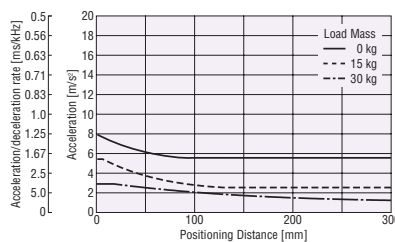
● Positioning Distance – Positioning Time



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● Positioning Distance – Acceleration



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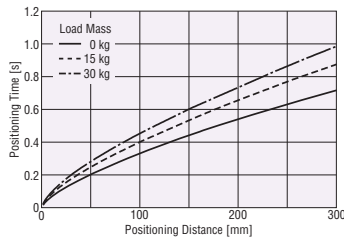
Q_{STEP} AR
DGII

Accessories

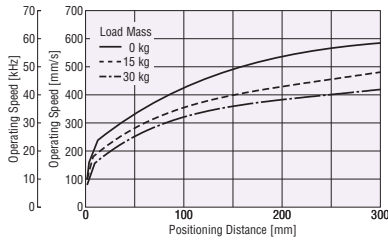
● **EAC6: Straight Type/Reversed Motor Type, 24 VDC Input, Lead Screw Pitch: 12 mm**

◇ Horizontal Direction Installation

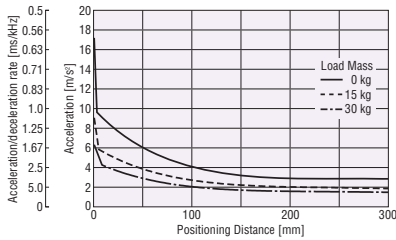
● Positioning Distance – Positioning Time



● Positioning Distance – Operating Speed

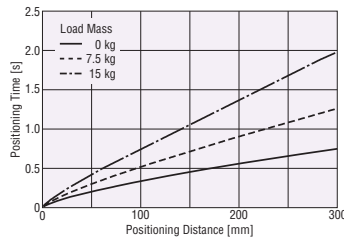


● Positioning Distance – Acceleration

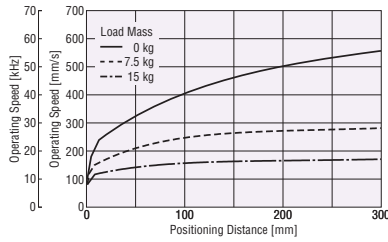


◇ Vertical Direction Installation

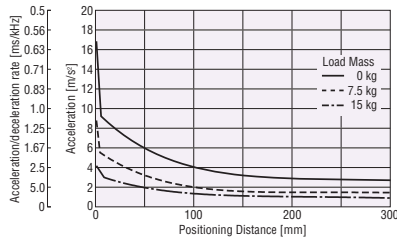
● Positioning Distance – Positioning Time



● Positioning Distance – Operating Speed



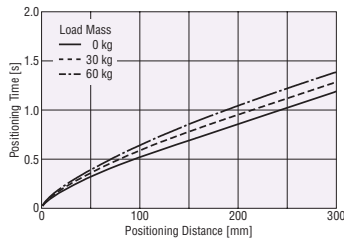
● Positioning Distance – Acceleration



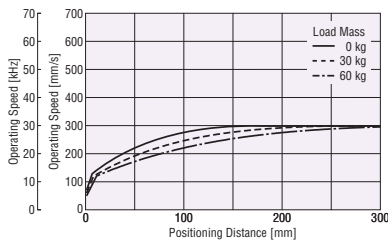
● **EAC6: Straight Type/Reversed Motor Type, 24 VDC Input, Lead Screw Pitch: 6 mm**

◇ Horizontal Direction Installation

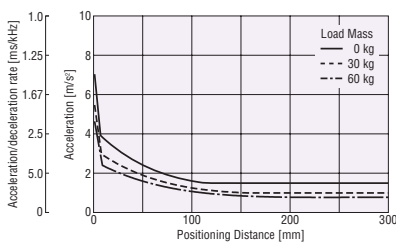
● Positioning Distance – Positioning Time



● Positioning Distance – Operating Speed

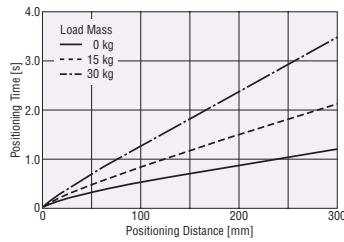


● Positioning Distance – Acceleration

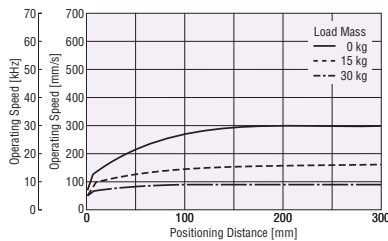


◇ Vertical Direction Installation

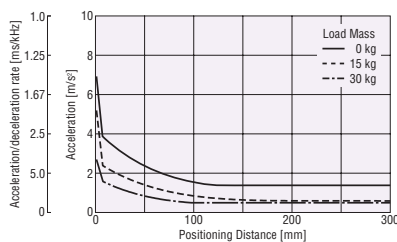
● Positioning Distance – Positioning Time



● Positioning Distance – Operating Speed



● Positioning Distance – Acceleration

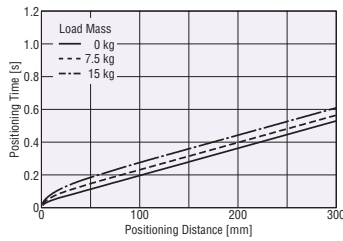


● In the graphs above, the values for the operating speeds [kHz] and acceleration/deceleration rates [ms/kHz] are taken when the minimum traveling amount of the electric cylinder is set to 0.01 mm.

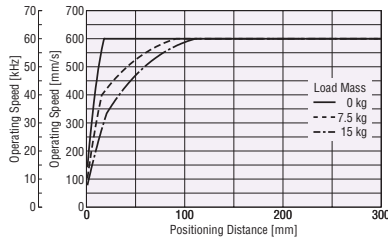
● **EAC4: Straight Type With Shaft Guide Cover, AC Input, Lead Screw Pitch: 12 mm**

◇ Horizontal Direction Installation

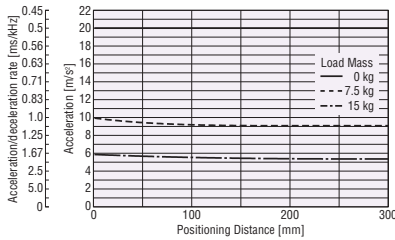
● Positioning Distance – Positioning Time



● Positioning Distance – Operating Speed

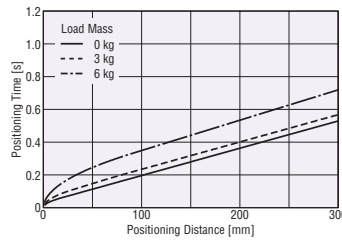


● Positioning Distance – Acceleration

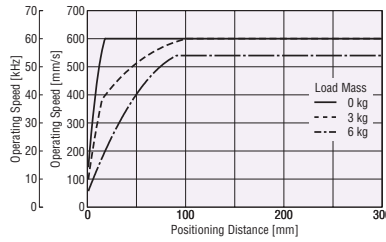


◇ Vertical Direction Installation

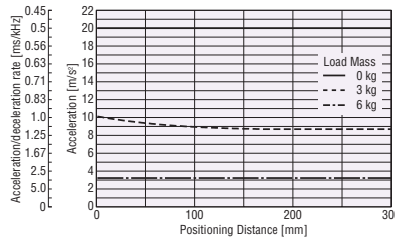
● Positioning Distance – Positioning Time



● Positioning Distance – Operating Speed



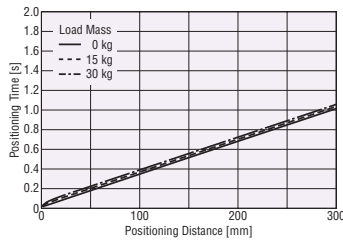
● Positioning Distance – Acceleration



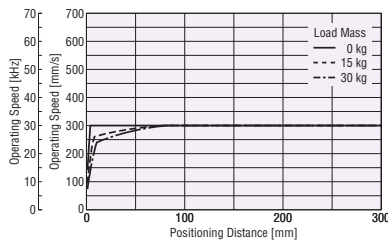
● **EAC4: Straight Type With Shaft Guide Cover, AC Input, Lead Screw Pitch: 6 mm**

◇ Horizontal Direction Installation

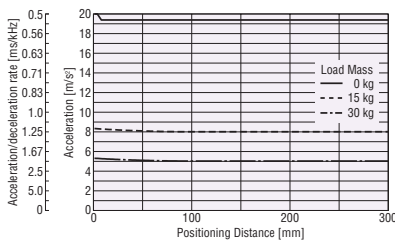
● Positioning Distance – Positioning Time



● Positioning Distance – Operating Speed

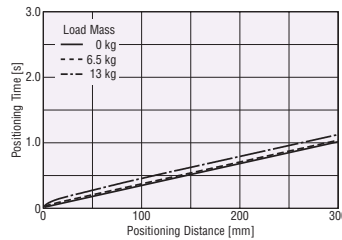


● Positioning Distance – Acceleration

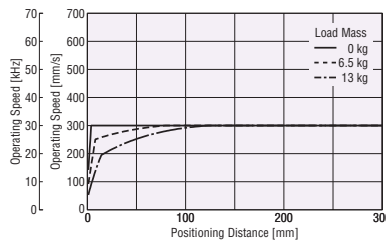


◇ Vertical Direction Installation

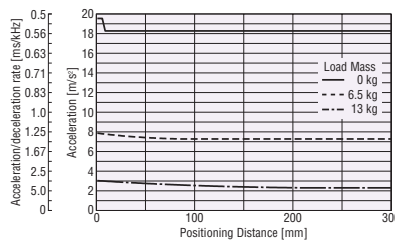
● Positioning Distance – Positioning Time



● Positioning Distance – Operating Speed



● Positioning Distance – Acceleration



● 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 cylinder is set to 0.01 mm.

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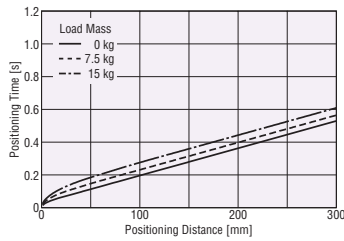
αSTEP AR
DGII

Accessories

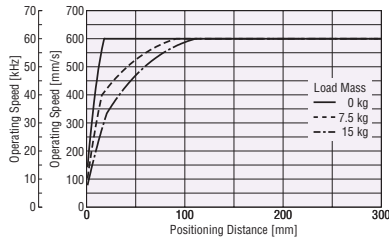
● **EAC4: Reversed Motor Type With Shaft Guide Cover, AC Input, Lead Screw Pitch: 12 mm**

◇ Horizontal Direction Installation

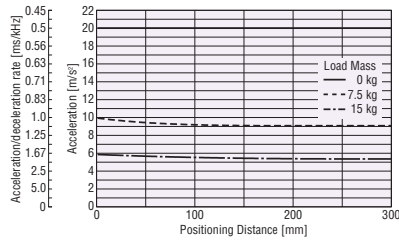
● Positioning Distance – Positioning Time



● Positioning Distance – Operating Speed

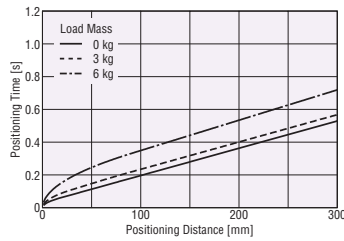


● Positioning Distance – Acceleration

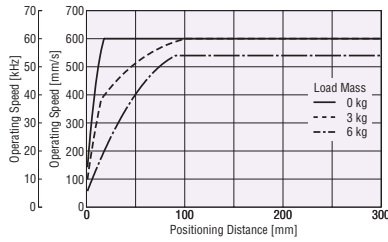


◇ Vertical Direction Installation

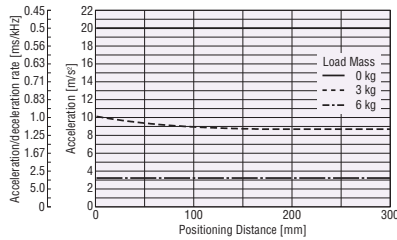
● Positioning Distance – Positioning Time



● Positioning Distance – Operating Speed



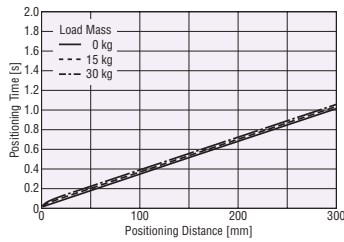
● Positioning Distance – Acceleration



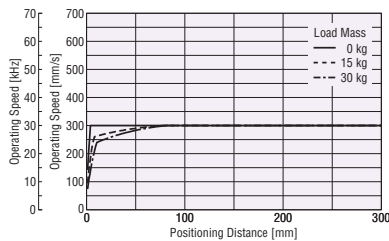
● **EAC4: Reversed Motor Type With Shaft Guide Cover, AC Input, Lead Screw Pitch: 6 mm**

◇ Horizontal Direction Installation

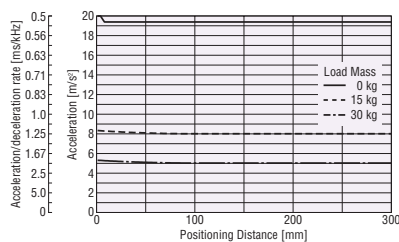
● Positioning Distance – Positioning Time



● Positioning Distance – Operating Speed

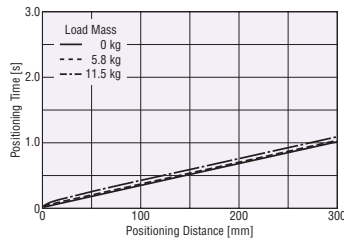


● Positioning Distance – Acceleration

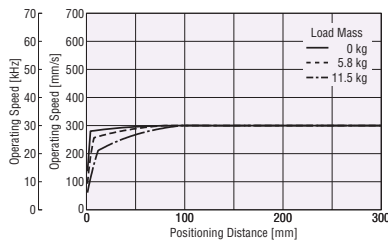


◇ Vertical Direction Installation

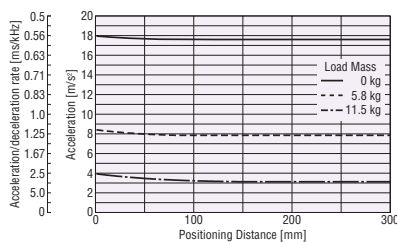
● Positioning Distance – Positioning Time



● Positioning Distance – Operating Speed



● Positioning Distance – Acceleration

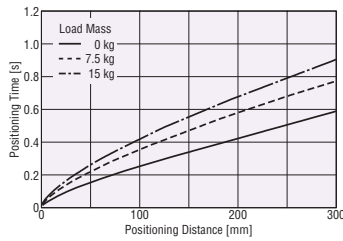


● In the graphs above, the values for the operating speeds [kHz] and acceleration/deceleration rates [ms/kHz] are taken when the minimum traveling amount of the electric cylinder is set to 0.01 mm.

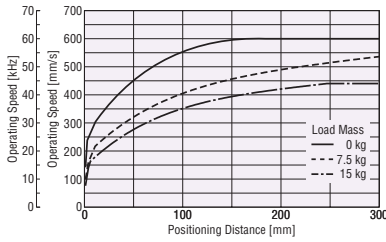
● **EAC4: Straight Type With Shaft Guide Cover, 24 VDC Input, Lead Screw Pitch: 12 mm**

◇ Horizontal Direction Installation

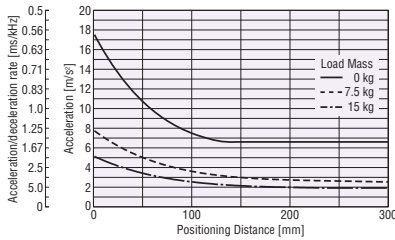
● Positioning Distance – Positioning Time



● Positioning Distance – Operating Speed

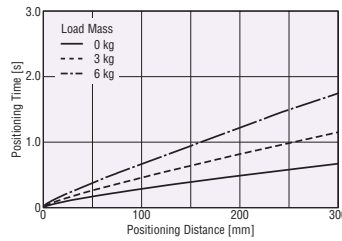


● Positioning Distance – Acceleration

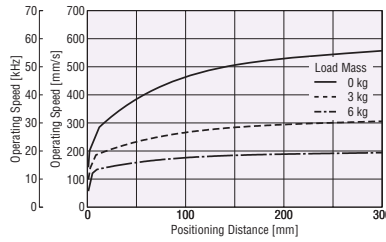


◇ Vertical Direction Installation

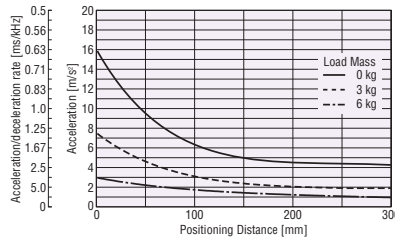
● Positioning Distance – Positioning Time



● Positioning Distance – Operating Speed



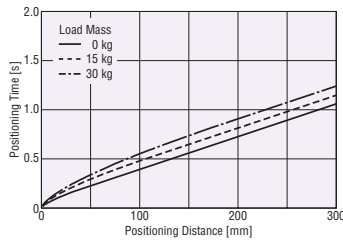
● Positioning Distance – Acceleration



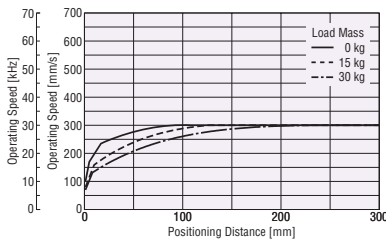
● **EAC4: Straight Type With Shaft Guide Cover, 24 VDC Input, Lead Screw Pitch: 6 mm**

◇ Horizontal Direction Installation

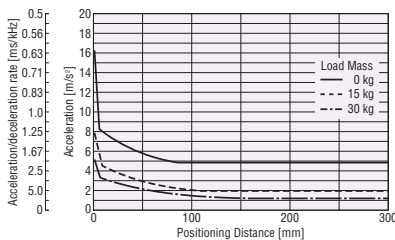
● Positioning Distance – Positioning Time



● Positioning Distance – Operating Speed

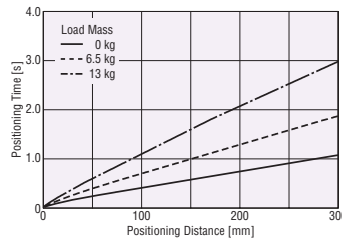


● Positioning Distance – Acceleration

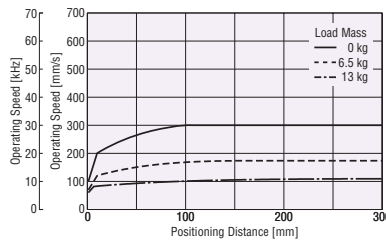


◇ Vertical Direction Installation

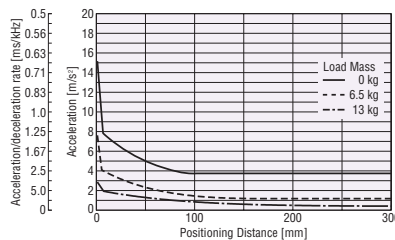
● Positioning Distance – Positioning Time



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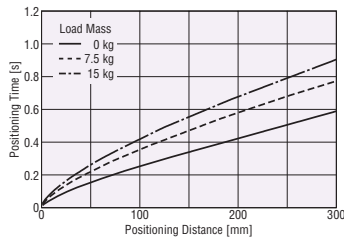
Q_{STEP} AR
DGII

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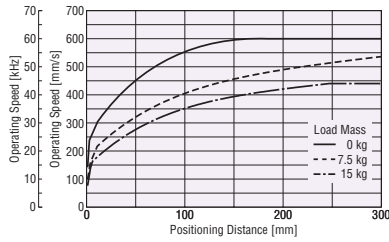
● **EAC4: Reversed Motor Type With Shaft Guide Cover, 24 VDC Input, Lead Screw Pitch: 12 mm**

◇ Horizontal Direction Installation

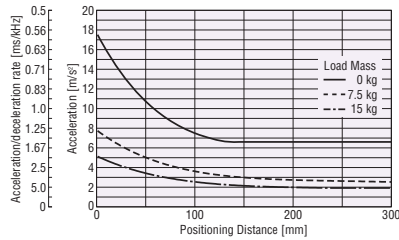
● Positioning Distance – Positioning Time



● Positioning Distance – Operating Speed

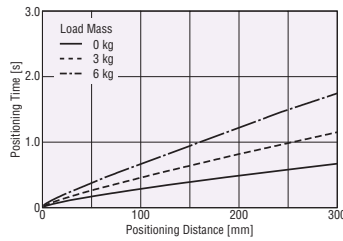


● Positioning Distance – Acceleration

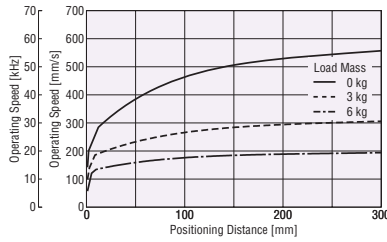


◇ Vertical Direction Installation

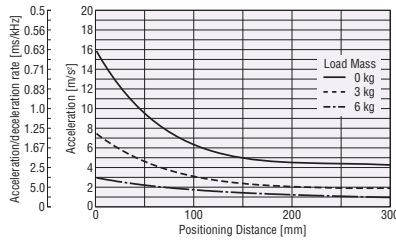
● Positioning Distance – Positioning Time



● Positioning Distance – Operating Speed



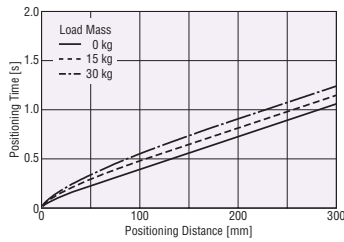
● Positioning Distance – Acceleration



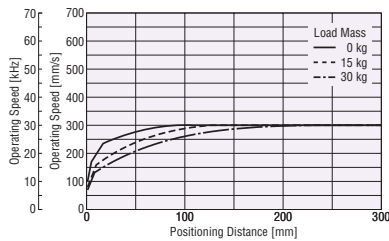
● **EAC4: Reversed Motor Type With Shaft Guide Cover, 24 VDC Input, Lead Screw Pitch: 6 mm**

◇ Horizontal Direction Installation

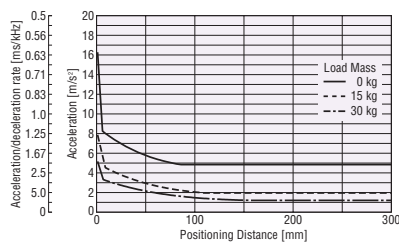
● Positioning Distance – Positioning Time



● Positioning Distance – Operating Speed

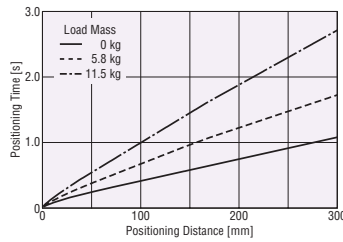


● Positioning Distance – Acceleration

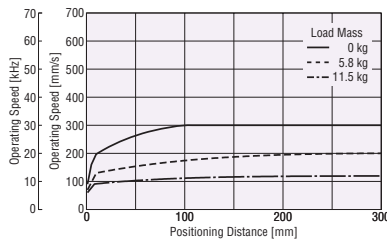


◇ Vertical Direction Installation

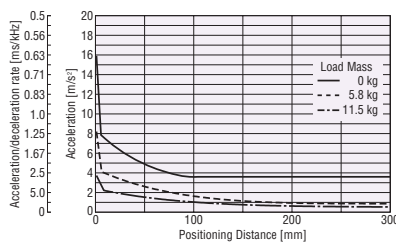
● Positioning Distance – Positioning Time



● Positioning Distance – Operating Speed



● Positioning Distance – Acceleration

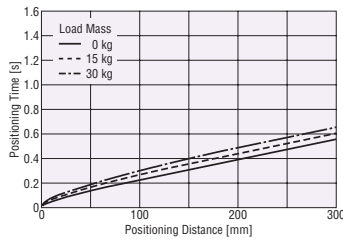


● In the graphs above, the values for the operating speeds [kHz] and acceleration/deceleration rates [ms/kHz] are taken when the minimum traveling amount of the electric cylinder is set to 0.01 mm.

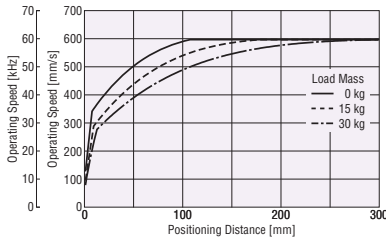
● **EAC6: Straight Type/Reversed Motor Type With Shaft Guide Cover, AC Input, Lead Screw Pitch: 12 mm**

◇ Horizontal Direction Installation

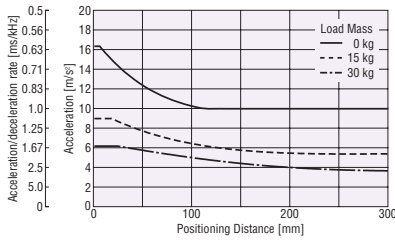
● Positioning Distance – Positioning Time



● Positioning Distance – Operating Speed

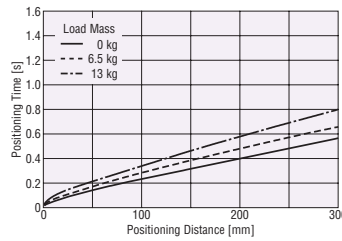


● Positioning Distance – Acceleration

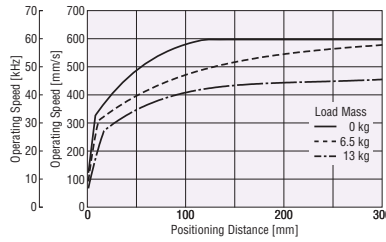


◇ Vertical Direction Installation

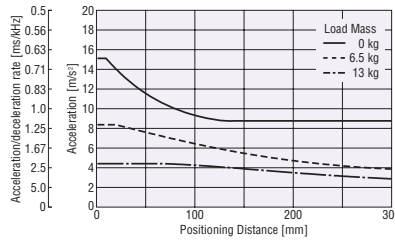
● Positioning Distance – Positioning Time



● Positioning Distance – Operating Speed



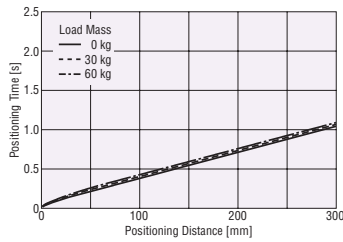
● Positioning Distance – Acceleration



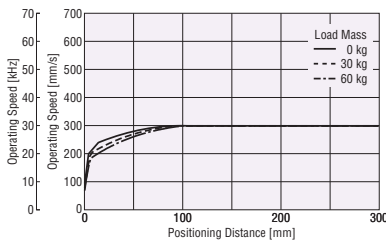
● **EAC6: Straight Type/Reversed Motor Type With Shaft Guide Cover, AC Input, Lead Screw Pitch: 6 mm**

◇ Horizontal Direction Installation

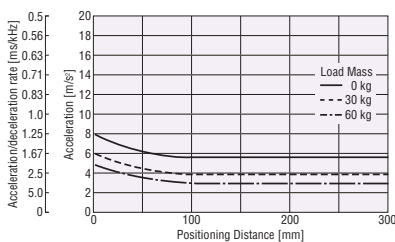
● Positioning Distance – Positioning Time



● Positioning Distance – Operating Speed

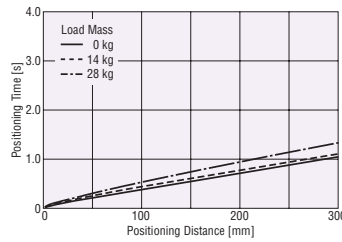


● Positioning Distance – Acceleration

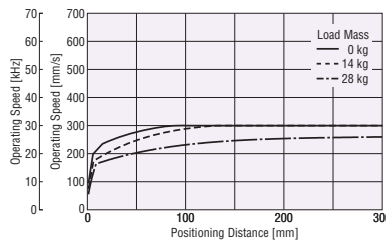


◇ Vertical Direction Installation

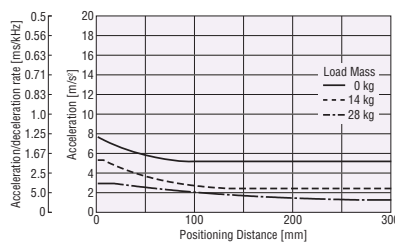
● Positioning Distance – Positioning Time



● Positioning Distance – Operating Speed



● Positioning Distance – Acceleration



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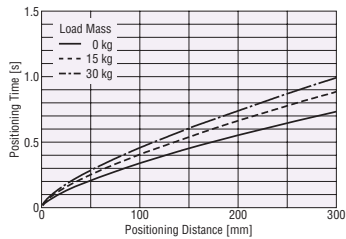
Q₅STEP AR
DGII

Accessories

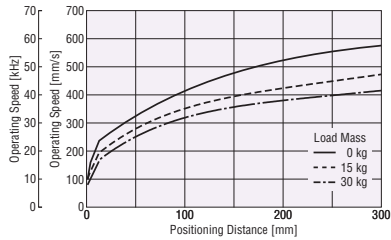
● **EAC6: Straight Type/Reversed Motor Type With Shaft Guide Cover, 24 VDC Input, Lead Screw Pitch: 12 mm**

◇ Horizontal Direction Installation

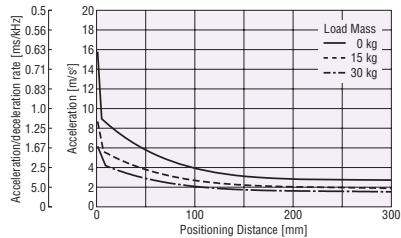
● Positioning Distance – Positioning Time



● Positioning Distance – Operating Speed

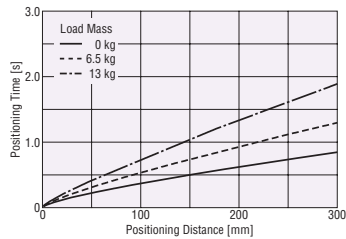


● Positioning Distance – Acceleration

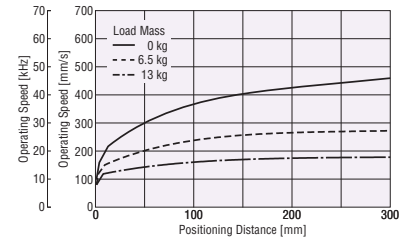


◇ Vertical Direction Installation

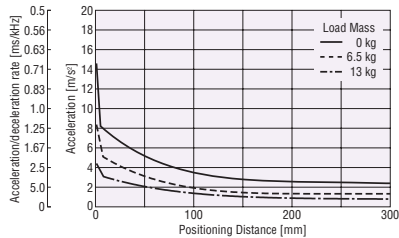
● Positioning Distance – Positioning Time



● Positioning Distance – Operating Speed



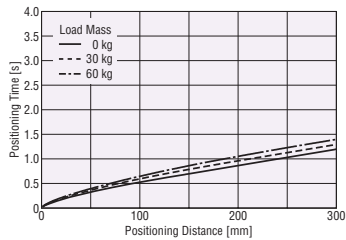
● Positioning Distance – Acceleration



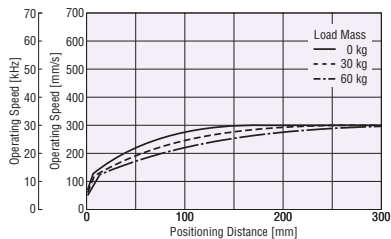
● **EAC6: Straight Type/Reversed Motor Type With Shaft Guide Cover, 24 VDC Input, Lead Screw Pitch: 6 mm**

◇ Horizontal Direction Installation

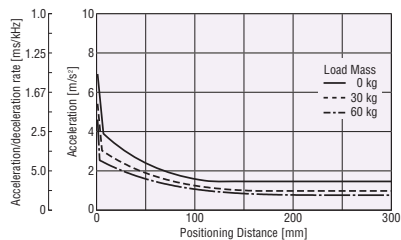
● Positioning Distance – Positioning Time



● Positioning Distance – Operating Speed

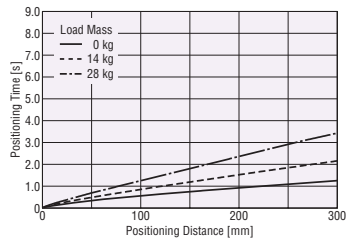


● Positioning Distance – Acceleration

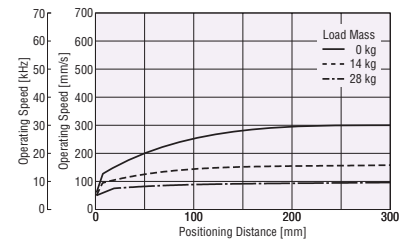


◇ Vertical Direction Installation

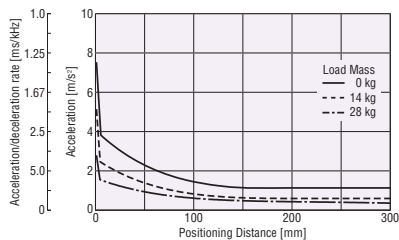
● Positioning Distance – Positioning Time



● Positioning Distance – Operating Speed



● Positioning Distance – Acceleration



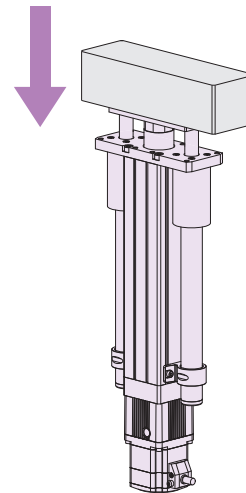
● In the graphs above, the values for the operating speeds [kHz] and acceleration/deceleration rates [ms/kHz] are taken when the minimum traveling amount of the electric cylinder is set to 0.01 mm.

About Use of the EAC6 (AC input type) for Vertical Driving

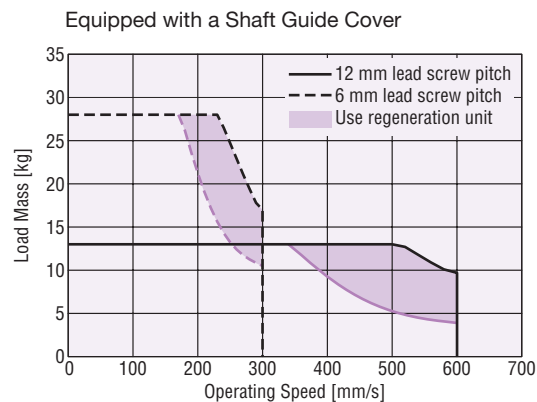
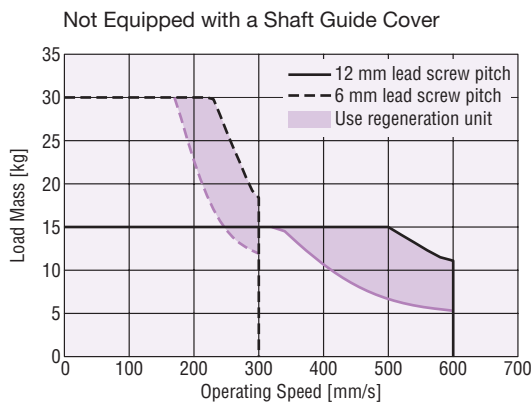
When operating the **EAC6*** type electric cylinders in the vertical direction, depending on the driving conditions, an overvoltage protection alarm may be detected.

In such case, refer to the operating speed-transportable mass characteristics diagram, and connect the **RGB100** regeneration unit accessory (sold separately).

*The AC input specification **D** (12 mm lead screw pitch) and **E** (6 mm lead screw pitch) are common between the straight and reversed motor types (products with a shaft guide cover)



Example of Vertical Use



Region in which the **EAC6** 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 Product	List Price
RGB100	EAC 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].

Overview,
Product
Series

Electric
Linear
Slides

**αSTEP AR
EAS**

Electric
Cylinders

**αSTEP AR
EAC**

DRLII

Hollow
Rotary
Actuators

**αSTEP AR
DGII**

Accessories

Electric Cylinder and Driver Combinations

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

Built-in Controller Type

Straight Type

Electromagnetic Brake	Product Name	Electric Cylinder Product Name	Driver Product Name
Not equipped	EAC4-E □□- ARA □ D-3	EACM4E□□ARA□	ARD-□□
	EAC4-D □□- ARA □ D-3	EACM4D□□ARA□	
	EAC6-E □□- ARA □ D-3	EACM6E□□ARA□	
	EAC6-D □□- ARA □ D-3	EACM6D□□ARA□	
Equipped	EAC4-E □□- ARM □ D-3	EACM4E□□ARM□	
	EAC4-D □□- ARM □ D-3	EACM4D□□ARM□	
	EAC6-E □□- ARM □ D-3	EACM6E□□ARM□	
	EAC6-D □□- ARM □ D-3	EACM6D□□ARM□	

Reversed Motor Type

Electromagnetic Brake	Product Name	Electric Cylinder Product Name	Driver Product Name
Not equipped	EAC4R-E □□- ARA □ D-3	EACM4RE□□ARA□	ARD-□□
	EAC4R-D □□- ARA □ D-3	EACM4RD□□ARA□	
	EAC6R-E □□- ARA □ D-3	EACM6RE□□ARA□	
	EAC6R-D □□- ARA □ D-3	EACM6RD□□ARA□	
Equipped	EAC4R-E □□- ARM □ D-3	EACM4RE□□ARM□	
	EAC4R-D □□- ARM □ D-3	EACM4RD□□ARM□	
	EAC6R-E □□- ARM □ D-3	EACM6RE□□ARM□	
	EAC6R-D □□- ARM □ D-3	EACM6RD□□ARM□	

Straight Type with Shaft Guide Cover

Electromagnetic Brake	Product Name	Electric Cylinder Product Name	Driver Product Name
Not equipped	EAC4W-E □□- ARA □ D-3-G	EACM4WE□□ARA□-G	ARD-□□
	EAC4W-D □□- ARA □ D-3-G	EACM4WD□□ARA□-G	
	EAC6W-E □□- ARA □ D-3-G	EACM6WE□□ARA□-G	
	EAC6W-D □□- ARA □ D-3-G	EACM6WD□□ARA□-G	
Equipped	EAC4W-E □□- ARM □ D-3-G	EACM4WE□□ARM□-G	
	EAC4W-D □□- ARM □ D-3-G	EACM4WD□□ARM□-G	
	EAC6W-E □□- ARM □ D-3-G	EACM6WE□□ARM□-G	
	EAC6W-D □□- ARM □ D-3-G	EACM6WD□□ARM□-G	

Reversed Motor Type with Shaft Guide Cover

Electromagnetic Brake	Product Name	Electric Cylinder Product Name	Driver Product Name
Not equipped	EAC4RW-E □□- ARA □ D-3-G	EACM4RWE□□ARA□-G	ARD-□□
	EAC4RW-D □□- ARA □ D-3-G	EACM4RWD□□ARA□-G	
	EAC6RW-E □□- ARA □ D-3-G	EACM6RWE□□ARA□-G	
	EAC6RW-D □□- ARA □ D-3-G	EACM6RWD□□ARA□-G	
Equipped	EAC4RW-E □□- ARM □ D-3-G	EACM4RWE□□ARM□-G	
	EAC4RW-D □□- ARM □ D-3-G	EACM4RWD□□ARM□-G	
	EAC6RW-E □□- ARM □ D-3-G	EACM6RWE□□ARM□-G	
	EAC6RW-D □□- ARM □ D-3-G	EACM6RWD□□ARM□-G	

Pulse Input Type

Straight Type

Electromagnetic Brake	Product Name	Electric Cylinder Product Name	Driver Product Name
Not equipped	EAC4-E □□- ARA □ -3	EACM4E□□ARA□	ARD-□
	EAC4-D □□- ARA □ -3	EACM4D□□ARA□	
	EAC6-E □□- ARA □ -3	EACM6E□□ARA□	
	EAC6-D □□- ARA □ -3	EACM6D□□ARA□	
Equipped	EAC4-E □□- ARM □ -3	EACM4E□□ARM□	
	EAC4-D □□- ARM □ -3	EACM4D□□ARM□	
	EAC6-E □□- ARM □ -3	EACM6E□□ARM□	
	EAC6-D □□- ARM □ -3	EACM6D□□ARM□	

Reversed Motor Type

Electromagnetic Brake	Product Name	Electric Cylinder Product Name	Driver Product Name
Not equipped	EAC4R-E □□- ARA □ -3	EACM4RE□□ARA□	ARD-□
	EAC4R-D □□- ARA □ -3	EACM4RD□□ARA□	
	EAC6R-E □□- ARA □ -3	EACM6RE□□ARA□	
	EAC6R-D □□- ARA □ -3	EACM6RD□□ARA□	
Equipped	EAC4R-E □□- ARM □ -3	EACM4RE□□ARM□	
	EAC4R-D □□- ARM □ -3	EACM4RD□□ARM□	
	EAC6R-E □□- ARM □ -3	EACM6RE□□ARM□	
	EAC6R-D □□- ARM □ -3	EACM6RD□□ARM□	

Straight Type with Shaft Guide Cover

Electromagnetic Brake	Product Name	Electric Cylinder Product Name	Driver Product Name
Not equipped	EAC4W-E □□- ARA □ -3-G	EACM4WE□□ARA□-G	ARD-□
	EAC4W-D □□- ARA □ -3-G	EACM4WD□□ARA□-G	
	EAC6W-E □□- ARA □ -3-G	EACM6WE□□ARA□-G	
	EAC6W-D □□- ARA □ -3-G	EACM6WD□□ARA□-G	
Equipped	EAC4W-E □□- ARM □ -3-G	EACM4WE□□ARM□-G	
	EAC4W-D □□- ARM □ -3-G	EACM4WD□□ARM□-G	
	EAC6W-E □□- ARM □ -3-G	EACM6WE□□ARM□-G	
	EAC6W-D □□- ARM □ -3-G	EACM6WD□□ARM□-G	

Reversed Motor Type with Shaft Guide Cover

Electromagnetic Brake	Product Name	Electric Cylinder Product Name	Driver Product Name
Not equipped	EAC4RW-E □□- ARA □ -3-G	EACM4RWE□□ARA□-G	ARD-□
	EAC4RW-D □□- ARA □ -3-G	EACM4RWD□□ARA□-G	
	EAC6RW-E □□- ARA □ -3-G	EACM6RWE□□ARA□-G	
	EAC6RW-D □□- ARA □ -3-G	EACM6RWD□□ARA□-G	
Equipped	EAC4RW-E □□- ARM □ -3-G	EACM4RWE□□ARM□-G	
	EAC4RW-D □□- ARM □ -3-G	EACM4RWD□□ARM□-G	
	EAC6RW-E □□- ARM □ -3-G	EACM6RWE□□ARM□-G	
	EAC6RW-D □□- ARM □ -3-G	EACM6RWD□□ARM□-G	

- A number indicating the stroke is entered where the box □ is located within the product name, and in the electric cylinder 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 type 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 cylinder product name.

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