

Orientalmotor

α STEP AZ Series Equipped

Motorized Linear Slides **EZS Series**

Motorized Cylinders **EAC Series**




α STEP

Hybrid Control System

Orientalmotor α STEP AZ Series Equipped Motorized Linear Slides EZS Series Motorized Cylinders EAC Series







Motorized Linear Slides Selection

Series Name Type Name	Product Width×Height	Power Supply Voltage	Lead [mm]	Stroke [mm]											Maximum Speed [mm/s]				
				100	200	300	400	500	600	700	800	900	1500	200	400	600	800	2000	
EZS Series αSTEP AZ/AR Equipped *1 Standard Type  Side-Mounted Type  Clean Room Compatible 	EZS3 54×50 mm	AC Power Supply Input	12	50~700											800				
			6	50~700											400				
		DC Power Supply Input	12	50~700											600				
			6	50~700											300				
	EZS4 74×50 mm	AC Power Supply Input	12	50~700											800				
			6	50~700											400				
		DC Power Supply Input	12	50~700											600				
			6	50~700											300				
	EZS6 74×66.5 mm	AC Power Supply Input	12	50~850											800				
			6	50~850											400				
		DC Power Supply Input	12	50~850											600				
			6	50~850											300				

*1 Visit our website for **AR** series equipped models.
 *2 Value without sensor rails.
 *3 () indicates the value for the side-mounted type.
 ● [] indicates clean room compatibility.

	Upper Level: Dynamic Permissible Moment [N·m] Lower Level: Static Permissible Moment [N·m]			Horizontal Transportable Mass [kg]								Vertical Transportable Mass [kg]			Repetitive Positioning Accuracy [mm]	List Price [SGD] Upper Level: AZ Series Equipped Lower Level: AR Series Equipped	Page
	M _P	M _V	M _H	10	20	30	40	50	60	70	80	10	20	30			
	4.2 26.4	4.2 26.4	10.5 52.0	7.5									3.5				
			15									7					
4.2 26.4	4.2 26.4	10.5 52.0	7.5									3.5			±0.02	1185~ [1285~] 973~ [1073~]	24
			15									7					
8 51.2	8 42.5	27.8 176	15									7			±0.02	1385~ [1485~] 1198~ [1298~]	25~26
			30									14(12.5) ^{*3}					
8 51.2	8 42.5	27.8 176	15									7			±0.02	1223~ [1323~] 1010~ [1110~]	27~28
			30									14(12.5) ^{*3}					
45.7 290	37.5 187	55.6 340	30									15			±0.02	1639~ [1739~] 1451~ [1551~]	29
			60									30					
45.7 290	37.5 187	55.6 340	30									15			±0.02	1476~ [1576~] 1264~ [1364~]	30
			60									30					

Motorized Cylinders Selection

Series Name Type Name	Product Width × Height	Power Supply Voltage	Lead [mm]	Stroke [mm]				Maximum Speed [mm/s]								Thrust [N]
				100	200	300	400	100	200	300	400	500	600	700	800	
EAC Series αSTEP AZIAR Equipped*1 Standard Type  Side-Mounted Type 	EAC2 28×28 mm	DC Power Supply Input	6	50~150				300								25
			3	50~150			150								50	
	EAC4 42×42 mm	AC Power Supply Input	12	50~300				600								~70
			6	50~300			300							~140 (125)*2		
		DC Power Supply Input	12	50~300				600							~70	
			6	50~300			300							~140 (125)*2		
	EAC6 60×60 mm	AC Power Supply Input	12	50~300				600							~200	
			6	50~300			300						~400 (360)*2			
		DC Power Supply Input	12	50~300				600						~200		
			6	50~300			300						~400 (360)*2			
	EAC Series αSTEP AZIAR Equipped*1 Standard Type With Shaft Guide Cover  Side-Mounted Type With Shaft Guide Cover  Standard Type With Shaft Guide  Side-Mounted Type With Shaft Guide 	EAC2W 28×86 mm	DC Power Supply Input	6	50~150				300							25
				3	50~150			150							50	
EAC4W 42×114 mm		AC Power Supply Input	12	50~300				600							~70	
			6	50~300			300						~140 (125)*2			
		DC Power Supply Input	12	50~300				600						~70		
			6	50~300			300						~140 (125)*2			
EAC6W 60×156 mm		AC Power Supply Input	12	50~300				600						~200		
			6	50~300			300					~400 (360)*2				
		DC Power Supply Input	12	50~300				600					~200			
			6	50~300			300					~400 (360)*2				

*1 Visit our website for **AR** series equipped models.

*2 () indicates the value for the side-mounted type.

	Pushing Force [N]	Horizontal Transportable Mass [kg]											Vertical Transportable Mass [kg]			Repetitive Positioning Accuracy [mm]	List Price [SGD] Upper Level: AZ Series Equipped Lower Level: AR Series Equipped	Page
		10	20	30	40	50	60	§	200	400	10	20	30					
	40	7.5													2.5	±0.02	984~ 790~	63
	80	15													5			
	100	15													7	±0.02	1165~ 978~	65~66
	200	30													14(12.5)*2			
	100	15													7		1003~ 790~	67~68
	200	30													14(12.5)*2			
	400	30													15	±0.02	1240~ 1053~	69~70
	500	60													30			
	400	30													15		1078~ 865~	71~72
	500	60													30			
	40	7.5													2.0	±0.02	1196~ 1003~	64
	80	15													4.5			
	100	15													6	±0.02	1378~ 1190~	73~74
	200	30													13(11.5)*2			
	100	15													6		1215~ 1003~	75~76
	200	30													13(11.5)*2			
	400	30													13	±0.02	1490~ 1303~	77~78
	500	60													28			
	400	30													13		1328~ 1115~	79~80
	500	60													28			

Drivers Selectable According to the Host System

● Built-in Controller Type FLEX AC DC

Sets of data operation in the driver, and selects and executes the operation data from the host system. Connection with and control of the host system are performed by I/O, Modbus (RTU), RS-485 communication, or FA network. By using a network converter (sold separately), the CC-Link communication, MECHATROLINK communication, and EtherCAT communication can be supported.

● When controlling through I/O

① I/O

● When controlling from computer or touch panel

② Modbus (RTU)

● When controlling through serial communication

② Modbus (RTU)

● When controlling through FA network

③ FA Network

② RS-485

Because the driver stores the information necessary for motor operation, the burden on the host PLC is reduced. This simplifies the system configuration for multi-axis control. Settings can be configured using support software or RS-485 communications. Host system connection and control is performed through ① I/O, ② Modbus (RTU)/RS-485, ③ FA Network.

Basic Setting (Factory setting)

Motor or Motorized Actuator + Driver

Operation Data Setting Parameter Change Support Software (**MEXE02**)

Setting using RS-485 communication is also possible.

FLEX FLEX is a general term of the products that support I/O control, Modbus (RTU) control, and FA network control via a network converter.

● Pulse Input Type with RS-485 Communication (Only **AZ** Series Equipped) AC DC

This type executes operation by inputting pulses to the driver. The motor is controlled from the positioning unit (pulse oscillator) provided by the customer. The use of RS-485 communication allows the monitoring of status information (position, speed, torque, alarms, temperature, etc.) of the motor.

When controlling from the computer or touch panel

Position and speed

Pulse Input

Modbus (RTU)

Status information of the motor

Basic Setting (Factory setting) I/O Assignment Change Parameter Change Support Software (**MEXE02**)

Motor or Motorized Actuator + Driver

The use of the support software (**MEXE02**) allows the checking of alarm history and the monitoring of various conditions.

● Pulse Input Type AC DC

This type executes operation by inputting pulses to the driver. The motor is controlled from the positioning unit (pulse oscillator) provided by the customer. The use of the support software (**MEXE02**) allows the checking of alarm history and the monitoring of various conditions.

Position and speed

Pulse Input

Basic Setting (Factory setting) I/O Assignment Change Parameter Change Support Software (**MEXE02**)

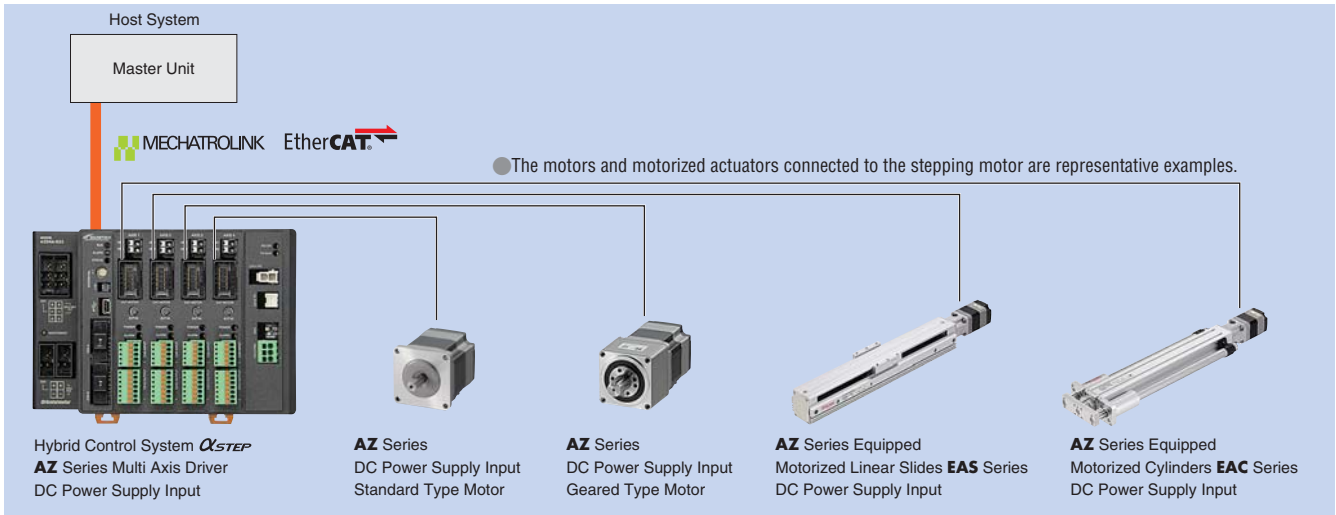
Motor or Motorized Actuator + Driver

The use of the support software (**MEXE02**) allows the checking of alarm history and the monitoring of various conditions.

● **CC-Link** and **MECHATROLINK** are the registered trademarks of the CC-Link Partner Association and the MECHATROLINK Members Association, respectively.
 ● **EtherCAT** is a registered trademark licensed by Beckhoff Automation in Germany.
 ● The support software (**MEXE02**) can be downloaded from the Oriental Motor website. The media is also available (for free).

● Network-compatible Multi Axis Driver* (AZ Series Equipped) **DC**

Multi axis driver that supports MECHATROLINK-III and EtherCAT Drive Profile. The driver can be connected to a DC power supply motor of the AZ Series and to an actuator equipped with motor. 2-axis, 3-axis, and 4-axis connectable drivers are available.



*For details of the products, see the Oriental Motor website.

Easy Operation by Using the Support Software

By using the support software, data settings, actual operation, and checks by the various monitor functions are also easily performed on the computer.

Support Software MEXE02

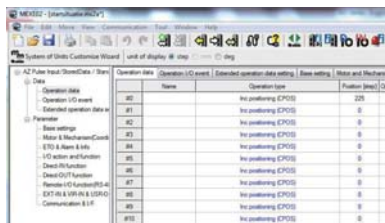
The support software can be downloaded from the Oriental Motor website.

The media is also available (for free).



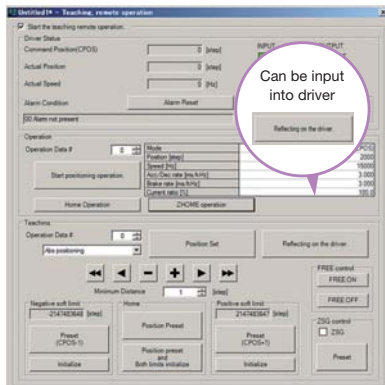
● Operating Data/Parameter Setting

Operating data and parameter settings can be made easily on your PC. The setting data can be saved; therefore, the same settings can be forwarded and used in the case the driver is replaced.



● Teaching/Remote Operation

You can manually perform positioning on the support software and import it as operation command information to the driver. Use this during startup of the device.

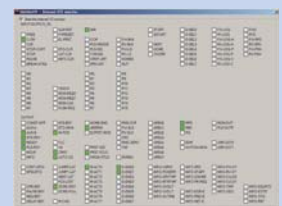


● Supporting multi-monitoring, the software allows you to perform remote operation or teaching while monitoring the operational status.

Various Monitor Functions

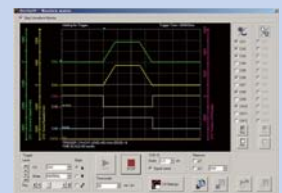
● I/O Monitoring

On your PC, you can check the statuses of the I/O wiring to the driver. Use this function for I/O check after wiring or during operation.



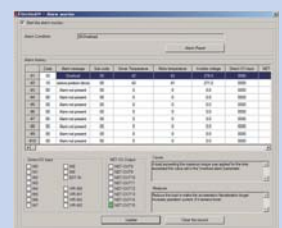
● Waveform Monitoring

Similar to using an oscilloscope, the motor drive condition (designated speed, motor load efficiency, etc.) can be checked. Use it during the startup of the device and when adjusting.



● Alarm Monitor

If an error occurs, you can check the error details and measures to be taken.



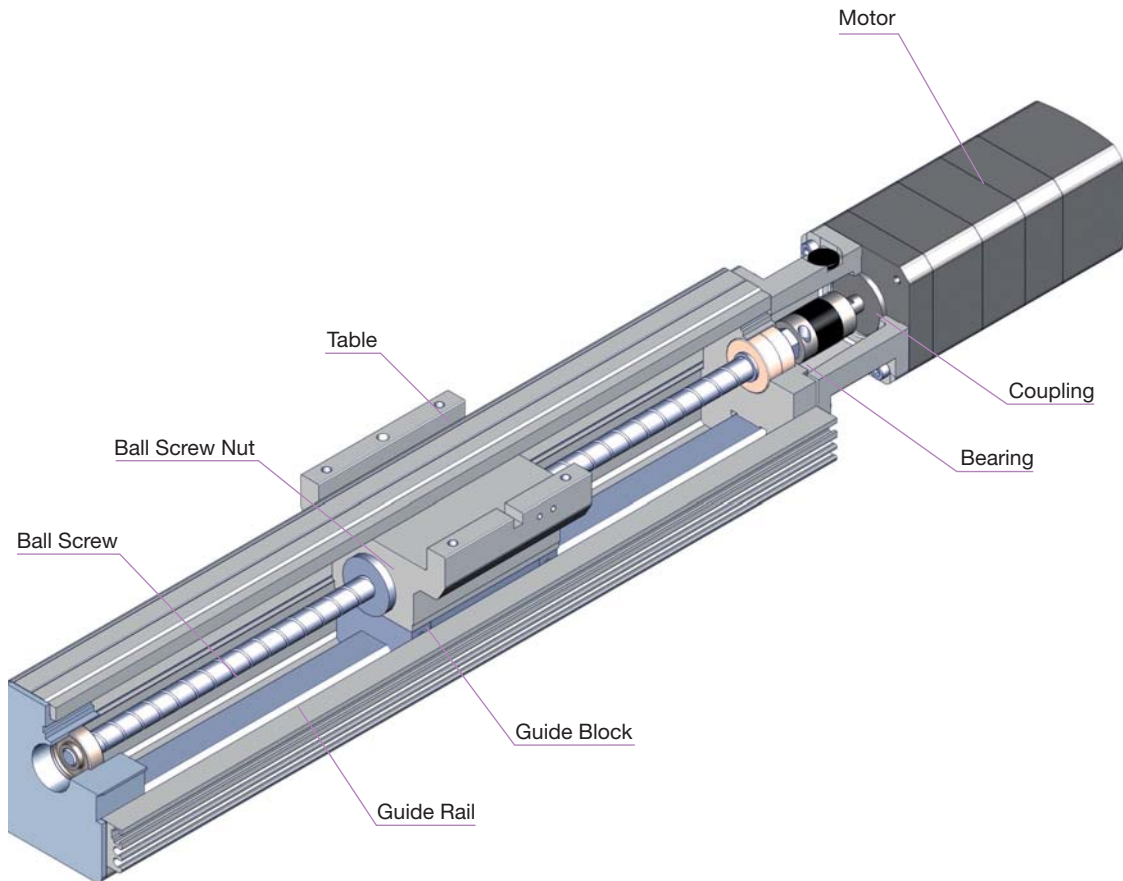
Overview of Motorized Linear Slides

The motorized linear slides are positioning linear slides that adopt *αSTEP AZ/AR* Series motors composed of frames, guide rails, guide blocks, and ball screws. Capable of accurate and precise straight-line motion due to the rotation of ball screws and guides.

Capable of High Precision Positioning Operations

By rotating the ball screw with the motor, the table fixed to the ball screw nut operates.

The guide rail enables precise straight-line motion and supports load, enabling high-precision positioning even for large load.



Types and Features of the Motorized Linear Slides

● EZS Series *Q*STEP AZ/AR Series Equipped

EZS Series *Q*STEP AZ/AR Series Equipped Clean Room Compatible

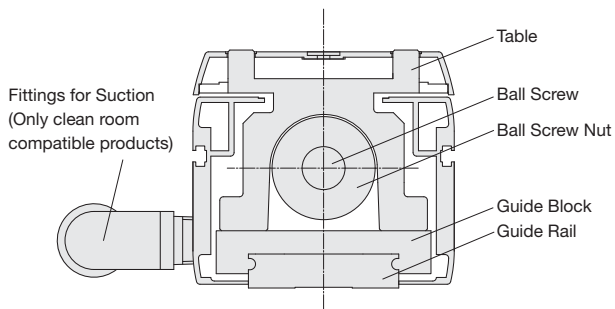
Compact and lightweight linear slides with frames adopting LM guides* with ball retainers. The linear slides come with high-precision LM guides as a standard and are capable of a traveling parallelism within 0.03 mm. Dust that occurs from sliding within the linear slide is reduced due to the stainless sheet and roller structure.

Clean room compatible products have the same functions and performance as the **EZS** Series.

*"Ball retainer" and "LM guide" are registered trademarks of THK CO., LTD.

● Using ball screws

● Repetitive positioning accuracy ± 0.02 mm



Standard Type



Side-Mounted Type (Right sided/Left sided)

● Left sided in the photo



Clean Room Compatible (Right sided suction fitting/Left sided suction fitting)

● Left sided suction fitting in the photo

Only standard types are clean room compatible

How to Read Specifications Table

Using the specifications of the motorized linear slide as example, the method of reading the specifications table is described below.

Motorized Linear Slide Specifications

① Lead	mm	12		6	
② Electromagnetic Brake (Power off activated type)		Equipped	Not provided	Equipped	Not provided
③ Drive System		Ball screw			
④ Repetitive Positioning Accuracy	mm	±0.02			
⑤ Minimum Traveling Amount	mm	0.01			
⑥ Traveling Parallelism	mm	0.03			
⑦ Permissible Moment	Dynamic Permissible Moment	N·m	Mr: 16.3	Mr: 4.8	Mr: 15.0
	Static Permissible Moment		Mr: 58.3	Mr: 16.0	Mr: 53.3
⑧ Transportable Mass	Horizontal	kg	~15		~30
	Vertical		~7	—	~14
⑨ Thrust	N		~70	~140	
⑩ Pushing Force	N		100	200	
⑪ Holding Force	N		70	140	
⑫ Maximum Speed by Stroke	50~500 mm	mm/s	800		400
	550 mm		650		320
	600 mm		550		270
	650 mm		460		220
	700 mm		400		200

● Some products may have limitations and notes on use. For details, see notes on respective product pages.

① Lead

Distance the table moves linearly in one motor rotation.

② Electromagnetic Brake (Power off activated type)

The product has types with and without an electromagnetic brake of power off activated type. Choose the type with electromagnetic brake for vertical drive.

③ Drive System

Mechanism used to convert motor rotation to linear motion.

④ 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 (The repetitive positioning accuracy is measured at a constant temperature under a constant load).

⑤ Minimum Traveling Amount

The minimum traveling amount when the table travels. (Factory setting)

⑥ Traveling Parallelism

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

⑦ Permissible Moment

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

The direction of action applies to 3 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.

The static permissible moment is the moment allowed during static conditions.

⑧ Transportable Mass

● Horizontal Direction

Mass that can be moved under operating performance in the horizontal direction of the motorized linear slide.

● Vertical Direction

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

⑨ Thrust

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

⑩ Pushing Force

The pressure applied to the load during the pushing operation.

⑪ Holding Force

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

⑫ Maximum Speed by Stroke

Maximum speed allowed when transporting the maximum transportable mass. The length of stroke restricts the upper limit of speed.

Motorized
Linear
Slides

QSTEP
AZ/AR
Equipped
EZS

Motorized
Cylinders

QSTEP
AZ/AR
Equipped
EAC

Accessories

Motorized Linear Slides EVS Series αSTEP AZ/AR Series Equipped

Visit the Oriental Motor website for technical references, laws, and standards related to this product.



The **EVS** Series is a compact and highly-rigid motorized linear slide with a simple dustproof structure.

The motor is equipped with the αSTEP **AZ** or **AR** Series. This series of motorized linear slides has achieved highly responsive and low vibration operation without hunting that is similar to stepping motors. Standard types and side-mounted types are available depending on the device space.

- Highly rigid and thin type guide
- Space saving due to the side-mounted motor
- Prevents foreign objects from entering and suppresses occurrence of dust with its simple dustproof structure
- Clean room compatible

FLEX What is FLEX?

FLEX is a general term of the products that support I/O control, Modbus (RTU) control, and FA network control via a network converter.

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

Features

A Wide Variation of Products for Your Desired Installation Space and Environment

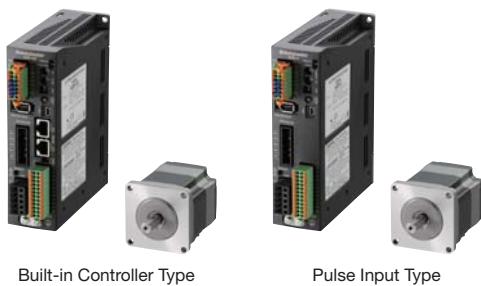
A lineup of thin, high precision, and highly rigid linear slides as well as short scale side-mounted types.

The motors are equipped with **AZ** or **AR** Series motors which are standard motor units. A wide variety of products are available.

Installed Motors

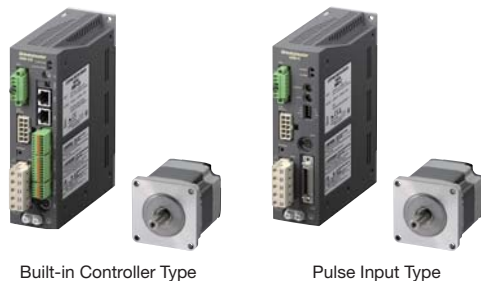
αSTEP AZ Series

- Battery-less Built-in absolute sensor
- Grasps location information without a sensor
- High reliability with closed loop control
- Reduced motor heat and energy saving due to high efficiency



αSTEP AR Series

- High reliability with closed loop control
- Reduced motor heat and energy saving due to high efficiency

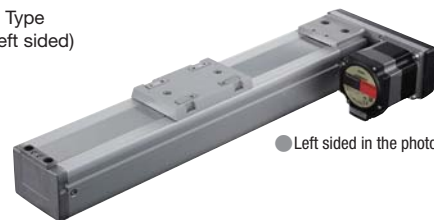


Motorized Linear Slides

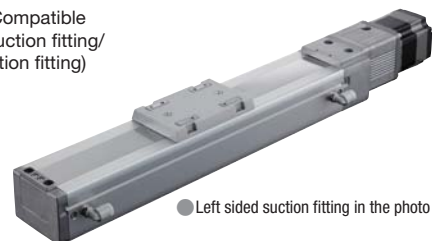
Standard Type



Side-Mounted Type
(Right sided/Left sided)



Clean Room Compatible
(Right sided suction fitting/
Left sided suction fitting)



● **EVS6** (Width 74 mm×Height 66.5 mm) in the photo.

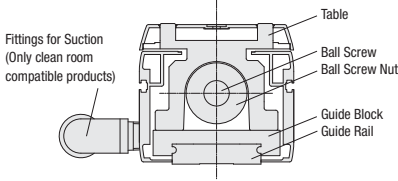
High Rigidity and High Precision

Achieved high permissible moments even with a compact body by adopting a highly rigid guide.

Highly Rigid and Highly Precise Guide

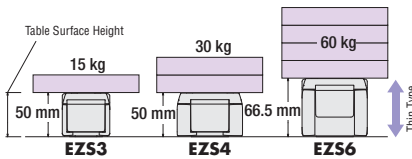
Adopted THK LM guides* with ball retainers. The thin stainless guides can handle high moments. With a highly precise guide, the traveling parallelism of 0.03 mm or less has been achieved.

*"Ball retainer" and "LM guide" are registered trademarks of THK CO., LTD.



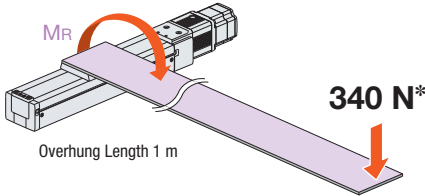
Traveling Parallelism 0.03 mm or less

Achieved High Transportable Mass Even with a Thin Body



High Permissible Moment

Achieved high moments even with a compact body.



*The load value is calculated from the static permissible moment 340 N-m of **EZS6**.

Permissible Moment Value in the Rolling Direction [N-m]

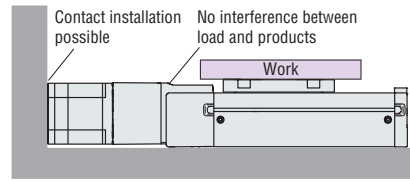
Product	Static Permissible Moment*1	Dynamic Permissible Moment*2
EZS3	52.0	10.5
EZS4	176	27.8
EZS6	340	55.6

*1 Permissible load moment on the linear guide while stopped

*2 Permissible load moment on the linear guide while in operation

Space Saving

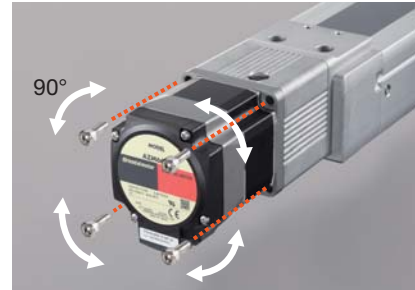
Take full advantage of spaces since there is not interference with the load. Contact installation is possible.



Cable Outlet Exchangeable

Since motor installation directions can be changed in 4 directions*, the cable outlets can be changed freely based on the installation location.

*Side-mounted types can be changed in 3 directions.

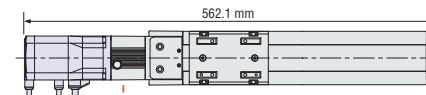


Side-Mounted Type

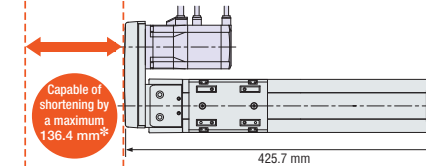
The full length of side-mounted types are shorter by a maximum of 136.4 mm compared to standard types, contributing to space saving of the device.

AZ Series Equipped
EZS6 With Electromagnetic Brake Stroke 200 mm

Standard Type



Side-Mounted Type

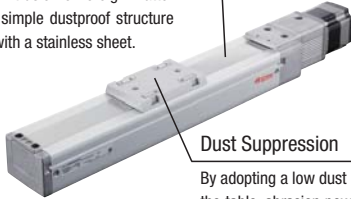


Simple Dustproof Structure

Prevents intrusion of foreign matter and suppresses dust with the simple dustproof structure with a stainless sheet and roller structure on the table.

Foreign Matter Intrusion Prevention

Prevents intrusion of foreign matter with the simple dustproof structure applied with a stainless sheet.

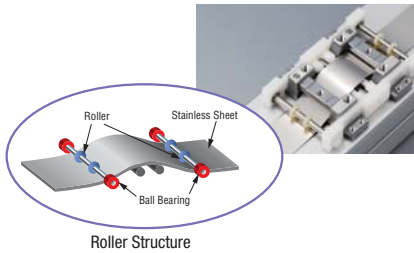


Dust Suppression

By adopting a low dust roller structure on the table, abrasion powder will not occur due to friction with the stainless sheet.

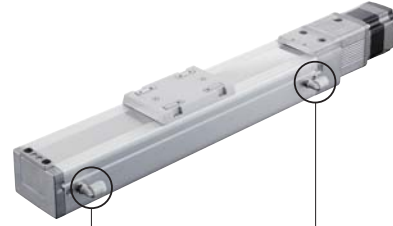
● Low Dust Roller Structure (Patented)

A low dust roller structure is equipped on the table, preventing abrasion powder from occurring since the roller comes in contact with the stainless sheet. It not only suppresses dust, but improves the stainless sheet rigidity.



Clean Room Compatible

Achieved a cleanliness level of ISO standard class 3* (FED standard class 1 equivalent) with the low dust clean grease in addition to the low dust roller structure.



Achieves ISO standard class 3 level cleanliness by suction using suction pumps.

*ISO Standard Class 3
[ISO Standard Class 3]

Particle Diameter [μm]	0.1	0.3	0.5
Dust Amount [Particles/ m^3]	1000 or less	102 or less	35 or less

● Application of Low Dust Clean Grease

Low dust clean grease applied to ball screws, guides, and bearings.



Table Roller Bearing



Ball Screw and Guide Area

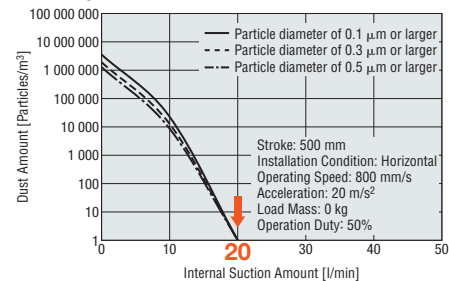
Application of low dust clean grease

● Achieved Class 3 Cleanliness with Low Suction Amount

For example, for **EZS3**, ISO standard class 3 cleanliness can be achieved with internal suction of over approximately 20 ℓ /min.

● Correlation Diagram Between Dust Amount and Suction Amount

Example: **EZS3CL-D050/EZS3CR-D050**



Enables reduction of suction pump usage and reduces power consumption.

● ISO Standard Internal Suction Required to Meet Class 3

Type	EZS3	EZS4	EZS6
Internal Suction Amount [l/min]	20	30	30

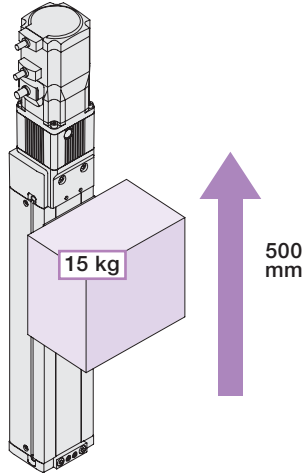
● See page 40 for the Correlation Diagram Between Dust Amount and Suction Amount of **EZS4** and **EZS6**.

High-speed Drive Even with Different Weight

High-speed drive is possible from light loads to heavy loads even during inching operation.

<Product Used>
 Product Name: **EZS6**
 Lead: 6 mm
 Power Supply Input: 200 VAC

<During Operation>
 Load Mass: 15 kg
 Positioning Distance: 500 mm
 Drive Direction: Vertical



Motorized
Linear
Slides

Q/STEP
AZ/AR
Equipped
EZS

Motorized
Cylinders

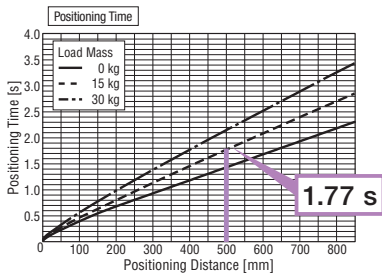
Q/STEP
AZ/AR
Equipped
EAC

Accessories

High-speed Drive With Heavy Load

Capable for high-speed drive when transporting a heavy load vertically.

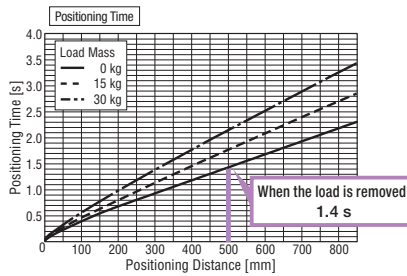
Load Mass: 15 kg
 Positioning Distance: 500 mm
 Positioning Time: 1.77 s
 Operating Speed: 320 mm/s
 Acceleration: 1.5 m/s² (0.15 G)



High-speed Drive With Light Load

Capable for higher-speed drive when load lessens during the return.

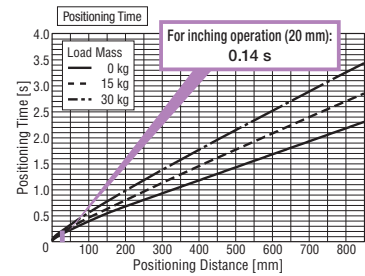
Load Mass: 0 kg
 Positioning Distance: 500 mm
 Positioning Time: 1.4 s
 Operating Speed: 400 mm/s
 Acceleration: 2 m/s² (0.2 G)



High-speed Drive During Inching Operation

Capable for higher-speed drive during an inching operation for short distances.

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



Preparation of a Positioning Time Calculation Tool

A tool to calculate the positioning time, operating speed, and acceleration through motorized linear slide type selection and simple input is available. It can be downloaded from the Oriental Motor website.
https://www.orientalmotor.com.sg/service/#_10

Motorized Linear Slides

EZS Series αSTEP AZ Series Equipped

Visit the Oriental Motor website for technical references, laws, and standards related to this product.

Product Lines and Prices

● AC Power Supply Input

◇ Product Number Code

① Product Series	② Motor Installing Direction	④ Lead	⑤ Stroke	⑥ Installed Motor	⑦ Motor Shape	⑧ Power Supply Input	⑨ Driver Type	⑩ Connection Cable*
EZS4	L	D	005	AZ	A	A	D	-1
EZS3 EZS4 EZS6	L: Left Side Mounted R: Right Side Mounted Blank: Standard	D: 12 mm E: 6 mm	005: 50 mm 010: 100 mm 015: 150 mm 085: 850 mm (50 mm increments)	AZ Series	A: Single Shaft M: With Electromagnetic Brake	A: Single-Phase 100-120 VAC C: Single-Phase/Three-Phase 200-240 VAC	D: Built-in Controller Type Blank: Pulse Input Type	Number: Included Connection Cable Length -1: 1 m -2: 2 m -3: 3 m Blank: Connection Cable Not Included

*Connection cables with a length of more than 3 m are available as accessories (sold separately). Connection Cable Sets → Page 102

◇ EZS3 Standard Type/Side-Mounted Type

The prices are the same even if the ② Motor Installing Direction (L, R, Blank), ④ Lead (D, E), and ⑧ Power Supply Input (A, C) are different.

⑨ Driver Type (D, Blank)	Built-in Controller Type (D)				Pulse Input Type (Blank)				
	Single Shaft (A)		With Electromagnetic Brake (M)		Single Shaft (A)		With Electromagnetic Brake (M)		
⑦ Motor Shape (A, M)	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	
⑩ Connection Cable (1, 2, 3, Blank)	50 mm (005)	SGD 1385	SGD 1348	SGD 1560	SGD 1523	SGD 1323	SGD 1285	SGD 1498	SGD 1460
	100 mm (010)	SGD 1385	SGD 1348	SGD 1560	SGD 1523	SGD 1323	SGD 1285	SGD 1498	SGD 1460
	150 mm (015)	SGD 1410	SGD 1373	SGD 1585	SGD 1548	SGD 1348	SGD 1310	SGD 1523	SGD 1485
	200 mm (020)	SGD 1410	SGD 1373	SGD 1585	SGD 1548	SGD 1348	SGD 1310	SGD 1523	SGD 1485
	250 mm (025)	SGD 1435	SGD 1398	SGD 1610	SGD 1573	SGD 1373	SGD 1335	SGD 1548	SGD 1510
	300 mm (030)	SGD 1435	SGD 1398	SGD 1610	SGD 1573	SGD 1373	SGD 1335	SGD 1548	SGD 1510
	350 mm (035)	SGD 1460	SGD 1423	SGD 1635	SGD 1598	SGD 1398	SGD 1360	SGD 1573	SGD 1535
	400 mm (040)	SGD 1460	SGD 1423	SGD 1635	SGD 1598	SGD 1398	SGD 1360	SGD 1573	SGD 1535
	450 mm (045)	SGD 1485	SGD 1448	SGD 1660	SGD 1623	SGD 1423	SGD 1385	SGD 1598	SGD 1560
	500 mm (050)	SGD 1485	SGD 1448	SGD 1660	SGD 1623	SGD 1423	SGD 1385	SGD 1598	SGD 1560
	550 mm (055)	SGD 1510	SGD 1473	SGD 1685	SGD 1648	SGD 1448	SGD 1410	SGD 1623	SGD 1585
	600 mm (060)	SGD 1510	SGD 1473	SGD 1685	SGD 1648	SGD 1448	SGD 1410	SGD 1623	SGD 1585
	650 mm (065)	SGD 1535	SGD 1498	SGD 1710	SGD 1673	SGD 1473	SGD 1435	SGD 1648	SGD 1610
	700 mm (070)	SGD 1535	SGD 1498	SGD 1710	SGD 1673	SGD 1473	SGD 1435	SGD 1648	SGD 1610

◇ EZS4 Standard Type/Side-Mounted Type

The prices are the same even if the ② Motor Installing Direction (L, R, Blank), ④ Lead (D, E), and ⑧ Power Supply Input (A, C) are different.

⑨ Driver Type (D, Blank)	Built-in Controller Type (D)				Pulse Input Type (Blank)				
	Single Shaft (A)		With Electromagnetic Brake (M)		Single Shaft (A)		With Electromagnetic Brake (M)		
⑦ Motor Shape (A, M)	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	
⑩ Connection Cable (1, 2, 3, Blank)	50 mm (005)	SGD 1423	SGD 1385	SGD 1598	SGD 1560	SGD 1360	SGD 1323	SGD 1535	SGD 1498
	100 mm (010)	SGD 1423	SGD 1385	SGD 1598	SGD 1560	SGD 1360	SGD 1323	SGD 1535	SGD 1498
	150 mm (015)	SGD 1448	SGD 1410	SGD 1623	SGD 1585	SGD 1385	SGD 1348	SGD 1560	SGD 1523
	200 mm (020)	SGD 1448	SGD 1410	SGD 1623	SGD 1585	SGD 1385	SGD 1348	SGD 1560	SGD 1523
	250 mm (025)	SGD 1473	SGD 1435	SGD 1648	SGD 1610	SGD 1410	SGD 1373	SGD 1585	SGD 1548
	300 mm (030)	SGD 1473	SGD 1435	SGD 1648	SGD 1610	SGD 1410	SGD 1373	SGD 1585	SGD 1548
	350 mm (035)	SGD 1498	SGD 1460	SGD 1673	SGD 1635	SGD 1435	SGD 1398	SGD 1610	SGD 1573
	400 mm (040)	SGD 1498	SGD 1460	SGD 1673	SGD 1635	SGD 1435	SGD 1398	SGD 1610	SGD 1573
	450 mm (045)	SGD 1523	SGD 1485	SGD 1698	SGD 1660	SGD 1460	SGD 1423	SGD 1635	SGD 1598
	500 mm (050)	SGD 1523	SGD 1485	SGD 1698	SGD 1660	SGD 1460	SGD 1423	SGD 1635	SGD 1598
	550 mm (055)	SGD 1548	SGD 1510	SGD 1723	SGD 1685	SGD 1485	SGD 1448	SGD 1660	SGD 1623
	600 mm (060)	SGD 1548	SGD 1510	SGD 1723	SGD 1685	SGD 1485	SGD 1448	SGD 1660	SGD 1623
	650 mm (065)	SGD 1573	SGD 1535	SGD 1748	SGD 1710	SGD 1510	SGD 1473	SGD 1685	SGD 1648
	700 mm (070)	SGD 1573	SGD 1535	SGD 1748	SGD 1710	SGD 1510	SGD 1473	SGD 1685	SGD 1648

◇ EZS6 Standard Type/Side-Mounted Type

The prices are the same even if the ② Motor Installing Direction (L, R, Blank), ④ Lead (D, E), and ⑧ Power Supply Input (A, C) are different.

⑨ Driver Type (D, Blank)	Built-in Controller Type (D)				Pulse Input Type (Blank)				
	Single Shaft (A)		With Electromagnetic Brake (M)		Single Shaft (A)		With Electromagnetic Brake (M)		
⑦ Motor Shape (A, M)	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	
⑩ Connection Cable (1, 2, 3, Blank)	50 mm (005)	SGD 1676	SGD 1639	SGD 1901	SGD 1864	SGD 1614	SGD 1576	SGD 1839	SGD 1801
	100 mm (010)	SGD 1676	SGD 1639	SGD 1901	SGD 1864	SGD 1614	SGD 1576	SGD 1839	SGD 1801
	150 mm (015)	SGD 1701	SGD 1664	SGD 1926	SGD 1889	SGD 1639	SGD 1601	SGD 1864	SGD 1826
	200 mm (020)	SGD 1701	SGD 1664	SGD 1926	SGD 1889	SGD 1639	SGD 1601	SGD 1864	SGD 1826
	250 mm (025)	SGD 1726	SGD 1689	SGD 1951	SGD 1914	SGD 1664	SGD 1626	SGD 1889	SGD 1851
	300 mm (030)	SGD 1726	SGD 1689	SGD 1951	SGD 1914	SGD 1664	SGD 1626	SGD 1889	SGD 1851
	350 mm (035)	SGD 1751	SGD 1714	SGD 1976	SGD 1939	SGD 1689	SGD 1651	SGD 1914	SGD 1876
	400 mm (040)	SGD 1751	SGD 1714	SGD 1976	SGD 1939	SGD 1689	SGD 1651	SGD 1914	SGD 1876
	450 mm (045)	SGD 1776	SGD 1739	SGD 2001	SGD 1964	SGD 1714	SGD 1676	SGD 1939	SGD 1901
	500 mm (050)	SGD 1776	SGD 1739	SGD 2001	SGD 1964	SGD 1714	SGD 1676	SGD 1939	SGD 1901
	550 mm (055)	SGD 1801	SGD 1764	SGD 2026	SGD 1989	SGD 1739	SGD 1701	SGD 1964	SGD 1926
	600 mm (060)	SGD 1801	SGD 1764	SGD 2026	SGD 1989	SGD 1739	SGD 1701	SGD 1964	SGD 1926
	650 mm (065)	SGD 1826	SGD 1789	SGD 2051	SGD 2014	SGD 1764	SGD 1726	SGD 1989	SGD 1951
	700 mm (070)	SGD 1826	SGD 1789	SGD 2051	SGD 2014	SGD 1764	SGD 1726	SGD 1989	SGD 1951
	750 mm (075)	SGD 1851	SGD 1814	SGD 2076	SGD 2039	SGD 1789	SGD 1751	SGD 2014	SGD 1976
	800 mm (080)	SGD 1851	SGD 1814	SGD 2076	SGD 2039	SGD 1789	SGD 1751	SGD 2014	SGD 1976
850 mm (085)	SGD 1876	SGD 1839	SGD 2101	SGD 2064	SGD 1814	SGD 1776	SGD 2039	SGD 2001	

● AC Power Supply Input

◇ Product Number Code

① Product Series	③ Direction of Suction Fittings*1	④ Lead	⑤ Stroke	⑥ Installed Motor	⑦ Motor Shape	⑧ Power Supply Input	⑨ Driver Type	⑩ Connection Cable*2
EZS4	CR	D	005	AZ	A	A	D	-1
EZS3 EZS4 EZS6	CL: Left Sided Suction Fitting CR: Right Sided Suction Fitting	D: 12 mm E: 6 mm	005: 50 mm 010: 100 mm 015: 150 mm ~ 085: 850 mm (50 mm increments)	AZ Series	A: Single Shaft M: With Electromagnetic Brake	A: Single-Phase 100-120 VAC C: Single-Phase/Three-Phase 200-240 VAC	D: Built-in Controller Type Blank: Pulse Input Type	Number: Included Connection Cable Length -1: 1 m -2: 2 m -3: 3 m Blank: Connection Cable Not Included

*1 Only standard types are clean room compatible. Specify suction fitting directions for clean room compatible products.

*2 Connection cables with a length of more than 3 m are available as accessories (sold separately). Connection Cable Sets → Page 102

◇ EZS3 Clean Room Compatible

The prices are the same even if the ③ Direction of Suction Fittings (CL, CR), ④ Lead (D, E), and ⑧ Power Supply Input (A, C) are different.

⑨ Driver Type (D, Blank)	Built-in Controller Type (D)				Pulse Input Type (Blank)				
	Single Shaft (A)		With Electromagnetic Brake (M)		Single Shaft (A)		With Electromagnetic Brake (M)		
⑦ Motor Shape (A, M)	Single Shaft (A)		With Electromagnetic Brake (M)		Single Shaft (A)		With Electromagnetic Brake (M)		
⑩ Connection Cable (1, 2, 3, Blank)	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	
⑤ Stroke	50 mm (005)	SGD 1510	SGD 1473	SGD 1685	SGD 1648	SGD 1448	SGD 1410	SGD 1623	SGD 1585
	100 mm (010)	SGD 1510	SGD 1473	SGD 1685	SGD 1648	SGD 1448	SGD 1410	SGD 1623	SGD 1585
	150 mm (015)	SGD 1535	SGD 1498	SGD 1710	SGD 1673	SGD 1473	SGD 1435	SGD 1648	SGD 1610
	200 mm (020)	SGD 1535	SGD 1498	SGD 1710	SGD 1673	SGD 1473	SGD 1435	SGD 1648	SGD 1610
	250 mm (025)	SGD 1560	SGD 1523	SGD 1735	SGD 1698	SGD 1498	SGD 1460	SGD 1673	SGD 1635
	300 mm (030)	SGD 1560	SGD 1523	SGD 1735	SGD 1698	SGD 1498	SGD 1460	SGD 1673	SGD 1635
	350 mm (035)	SGD 1585	SGD 1548	SGD 1760	SGD 1723	SGD 1523	SGD 1485	SGD 1698	SGD 1660
	400 mm (040)	SGD 1585	SGD 1548	SGD 1760	SGD 1723	SGD 1523	SGD 1485	SGD 1698	SGD 1660
	450 mm (045)	SGD 1610	SGD 1573	SGD 1785	SGD 1748	SGD 1548	SGD 1510	SGD 1723	SGD 1685
	500 mm (050)	SGD 1610	SGD 1573	SGD 1785	SGD 1748	SGD 1548	SGD 1510	SGD 1723	SGD 1685
	550 mm (055)	SGD 1635	SGD 1598	SGD 1810	SGD 1773	SGD 1573	SGD 1535	SGD 1748	SGD 1710
	600 mm (060)	SGD 1635	SGD 1598	SGD 1810	SGD 1773	SGD 1573	SGD 1535	SGD 1748	SGD 1710
	650 mm (065)	SGD 1660	SGD 1623	SGD 1835	SGD 1798	SGD 1598	SGD 1560	SGD 1773	SGD 1735
	700 mm (070)	SGD 1660	SGD 1623	SGD 1835	SGD 1798	SGD 1598	SGD 1560	SGD 1773	SGD 1735

◇ EZS4 Clean Room Compatible

The prices are the same even if the ③ Direction of Suction Fittings (CL, CR), ④ Lead (D, E), and ⑧ Power Supply Input (A, C) are different.

⑨ Driver Type (D, Blank)	Built-in Controller Type (D)				Pulse Input Type (Blank)				
	Single Shaft (A)		With Electromagnetic Brake (M)		Single Shaft (A)		With Electromagnetic Brake (M)		
⑦ Motor Shape (A, M)	Single Shaft (A)		With Electromagnetic Brake (M)		Single Shaft (A)		With Electromagnetic Brake (M)		
⑩ Connection Cable (1, 2, 3, Blank)	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	
⑤ Stroke	50 mm (005)	SGD 1548	SGD 1510	SGD 1723	SGD 1685	SGD 1485	SGD 1448	SGD 1660	SGD 1623
	100 mm (010)	SGD 1548	SGD 1510	SGD 1723	SGD 1685	SGD 1485	SGD 1448	SGD 1660	SGD 1623
	150 mm (015)	SGD 1573	SGD 1535	SGD 1748	SGD 1710	SGD 1510	SGD 1473	SGD 1685	SGD 1648
	200 mm (020)	SGD 1573	SGD 1535	SGD 1748	SGD 1710	SGD 1510	SGD 1473	SGD 1685	SGD 1648
	250 mm (025)	SGD 1598	SGD 1560	SGD 1773	SGD 1735	SGD 1535	SGD 1498	SGD 1710	SGD 1673
	300 mm (030)	SGD 1598	SGD 1560	SGD 1773	SGD 1735	SGD 1535	SGD 1498	SGD 1710	SGD 1673
	350 mm (035)	SGD 1623	SGD 1585	SGD 1798	SGD 1760	SGD 1560	SGD 1523	SGD 1735	SGD 1698
	400 mm (040)	SGD 1623	SGD 1585	SGD 1798	SGD 1760	SGD 1560	SGD 1523	SGD 1735	SGD 1698
	450 mm (045)	SGD 1648	SGD 1610	SGD 1823	SGD 1785	SGD 1585	SGD 1548	SGD 1760	SGD 1723
	500 mm (050)	SGD 1648	SGD 1610	SGD 1823	SGD 1785	SGD 1585	SGD 1548	SGD 1760	SGD 1723
	550 mm (055)	SGD 1673	SGD 1635	SGD 1848	SGD 1810	SGD 1610	SGD 1573	SGD 1785	SGD 1748
	600 mm (060)	SGD 1673	SGD 1635	SGD 1848	SGD 1810	SGD 1610	SGD 1573	SGD 1785	SGD 1748
	650 mm (065)	SGD 1698	SGD 1660	SGD 1873	SGD 1835	SGD 1635	SGD 1598	SGD 1810	SGD 1773
	700 mm (070)	SGD 1698	SGD 1660	SGD 1873	SGD 1835	SGD 1635	SGD 1598	SGD 1810	SGD 1773

◇ EZS6 Clean Room Compatible

The prices are the same even if the ③ Direction of Suction Fittings (CL, CR), ④ Lead (D, E), and ⑧ Power Supply Input (A, C) are different.

⑨ Driver Type (D, Blank)	Built-in Controller Type (D)				Pulse Input Type (Blank)				
	Single Shaft (A)		With Electromagnetic Brake (M)		Single Shaft (A)		With Electromagnetic Brake (M)		
⑦ Motor Shape (A, M)	Single Shaft (A)		With Electromagnetic Brake (M)		Single Shaft (A)		With Electromagnetic Brake (M)		
⑩ Connection Cable (1, 2, 3, Blank)	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	
⑤ Stroke	50 mm (005)	SGD 1801	SGD 1764	SGD 2026	SGD 1989	SGD 1739	SGD 1701	SGD 1964	SGD 1926
	100 mm (010)	SGD 1801	SGD 1764	SGD 2026	SGD 1989	SGD 1739	SGD 1701	SGD 1964	SGD 1926
	150 mm (015)	SGD 1826	SGD 1789	SGD 2051	SGD 2014	SGD 1764	SGD 1726	SGD 1989	SGD 1951
	200 mm (020)	SGD 1826	SGD 1789	SGD 2051	SGD 2014	SGD 1764	SGD 1726	SGD 1989	SGD 1951
	250 mm (025)	SGD 1851	SGD 1814	SGD 2076	SGD 2039	SGD 1789	SGD 1751	SGD 2014	SGD 1976
	300 mm (030)	SGD 1851	SGD 1814	SGD 2076	SGD 2039	SGD 1789	SGD 1751	SGD 2014	SGD 1976
	350 mm (035)	SGD 1876	SGD 1839	SGD 2101	SGD 2064	SGD 1814	SGD 1776	SGD 2039	SGD 2001
	400 mm (040)	SGD 1876	SGD 1839	SGD 2101	SGD 2064	SGD 1814	SGD 1776	SGD 2039	SGD 2001
	450 mm (045)	SGD 1901	SGD 1864	SGD 2126	SGD 2089	SGD 1839	SGD 1801	SGD 2064	SGD 2026
	500 mm (050)	SGD 1901	SGD 1864	SGD 2126	SGD 2089	SGD 1839	SGD 1801	SGD 2064	SGD 2026
	550 mm (055)	SGD 1926	SGD 1889	SGD 2151	SGD 2114	SGD 1864	SGD 1826	SGD 2089	SGD 2051
	600 mm (060)	SGD 1926	SGD 1889	SGD 2151	SGD 2114	SGD 1864	SGD 1826	SGD 2089	SGD 2051
	650 mm (065)	SGD 1951	SGD 1914	SGD 2176	SGD 2139	SGD 1889	SGD 1851	SGD 2114	SGD 2076
	700 mm (070)	SGD 1951	SGD 1914	SGD 2176	SGD 2139	SGD 1889	SGD 1851	SGD 2114	SGD 2076
	750 mm (075)	SGD 1976	SGD 1939	SGD 2201	SGD 2164	SGD 1914	SGD 1876	SGD 2139	SGD 2101
	800 mm (080)	SGD 1976	SGD 1939	SGD 2201	SGD 2164	SGD 1914	SGD 1876	SGD 2139	SGD 2101
	850 mm (085)	SGD 2001	SGD 1964	SGD 2226	SGD 2189	SGD 1939	SGD 1901	SGD 2164	SGD 2126

Motorized Linear Slides

Q/STEP AZ/AR Equipped EZS

Motorized Cylinders

Q/STEP AZ/AR Equipped EAC

Accessories

● DC Power Supply Input

◇ Product Number Code

① Product Series EZS4	② Motor Installing Direction L	④ Lead D	⑤ Stroke 005	⑥ Installed Motor AZ	⑦ Motor Shape A	⑧ Power Supply Input K	⑨ Driver Type D	⑩ Connection Cable* -1
EZS3 EZS4 EZS6	L: Left Side Mounted R: Right Side Mounted Blank: Standard	D: 12 mm E: 6 mm	005: 50 mm 010: 100 mm 015: 150 mm ~ 085: 850 mm (50 mm increments)	AZ Series	A: Single Shaft M: With Electromagnetic Brake	K: 24 VDC/48 VDC	D: Built-in Controller Type Blank: Pulse Input Type	Number: Included Connection Cable Length -1: 1 m -2: 2 m -3: 3 m Blank: Connection Cable Not Included

*Connection cables with a length of more than 3 m are available as accessories (sold separately). Connection Cable Sets → Page 104

◇ EZS3 Standard Type/Side-Mounted Type

The prices are the same even if the ② Motor Installing Direction (L, R, Blank) and ④ Lead (D, E) are different.

⑨ Driver Type (D, Blank)	Built-in Controller Type (D)				Pulse Input Type (Blank)				
	Single Shaft (A)		With Electromagnetic Brake (M)		Single Shaft (A)		With Electromagnetic Brake (M)		
⑦ Motor Shape (A, M)	Included (1, 2, 3)		Blank		Included (1, 2, 3)		Blank		
⑩ Connection Cable (1, 2, 3, Blank)	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	
⑤ Stroke	50 mm (005)	SGD 1223	SGD 1185	SGD 1398	SGD 1360	SGD 1160	SGD 1123	SGD 1335	SGD 1298
	100 mm (010)	SGD 1223	SGD 1185	SGD 1398	SGD 1360	SGD 1160	SGD 1123	SGD 1335	SGD 1298
	150 mm (015)	SGD 1248	SGD 1210	SGD 1423	SGD 1385	SGD 1185	SGD 1148	SGD 1360	SGD 1323
	200 mm (020)	SGD 1248	SGD 1210	SGD 1423	SGD 1385	SGD 1185	SGD 1148	SGD 1360	SGD 1323
	250 mm (025)	SGD 1273	SGD 1235	SGD 1448	SGD 1410	SGD 1210	SGD 1173	SGD 1385	SGD 1348
	300 mm (030)	SGD 1273	SGD 1235	SGD 1448	SGD 1410	SGD 1210	SGD 1173	SGD 1385	SGD 1348
	350 mm (035)	SGD 1298	SGD 1260	SGD 1473	SGD 1435	SGD 1235	SGD 1198	SGD 1410	SGD 1373
	400 mm (040)	SGD 1298	SGD 1260	SGD 1473	SGD 1435	SGD 1235	SGD 1198	SGD 1410	SGD 1373
	450 mm (045)	SGD 1323	SGD 1285	SGD 1498	SGD 1460	SGD 1260	SGD 1223	SGD 1435	SGD 1398
	500 mm (050)	SGD 1323	SGD 1285	SGD 1498	SGD 1460	SGD 1260	SGD 1223	SGD 1435	SGD 1398
	550 mm (055)	SGD 1348	SGD 1310	SGD 1523	SGD 1485	SGD 1285	SGD 1248	SGD 1460	SGD 1423
	600 mm (060)	SGD 1348	SGD 1310	SGD 1523	SGD 1485	SGD 1285	SGD 1248	SGD 1460	SGD 1423
	650 mm (065)	SGD 1373	SGD 1335	SGD 1548	SGD 1510	SGD 1310	SGD 1273	SGD 1485	SGD 1448
	700 mm (070)	SGD 1373	SGD 1335	SGD 1548	SGD 1510	SGD 1310	SGD 1273	SGD 1485	SGD 1448

◇ EZS4 Standard Type/Side-Mounted Type

The prices are the same even if the ② Motor Installing Direction (L, R, Blank) and ④ Lead (D, E) are different.

⑨ Driver Type (D, Blank)	Built-in Controller Type (D)				Pulse Input Type (Blank)				
	Single Shaft (A)		With Electromagnetic Brake (M)		Single Shaft (A)		With Electromagnetic Brake (M)		
⑦ Motor Shape (A, M)	Included (1, 2, 3)		Blank		Included (1, 2, 3)		Blank		
⑩ Connection Cable (1, 2, 3, Blank)	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	
⑤ Stroke	50 mm (005)	SGD 1260	SGD 1223	SGD 1435	SGD 1398	SGD 1198	SGD 1160	SGD 1373	SGD 1335
	100 mm (010)	SGD 1260	SGD 1223	SGD 1435	SGD 1398	SGD 1198	SGD 1160	SGD 1373	SGD 1335
	150 mm (015)	SGD 1285	SGD 1248	SGD 1460	SGD 1423	SGD 1223	SGD 1185	SGD 1398	SGD 1360
	200 mm (020)	SGD 1285	SGD 1248	SGD 1460	SGD 1423	SGD 1223	SGD 1185	SGD 1398	SGD 1360
	250 mm (025)	SGD 1310	SGD 1273	SGD 1485	SGD 1448	SGD 1248	SGD 1210	SGD 1423	SGD 1385
	300 mm (030)	SGD 1310	SGD 1273	SGD 1485	SGD 1448	SGD 1248	SGD 1210	SGD 1423	SGD 1385
	350 mm (035)	SGD 1335	SGD 1298	SGD 1510	SGD 1473	SGD 1273	SGD 1235	SGD 1448	SGD 1410
	400 mm (040)	SGD 1335	SGD 1298	SGD 1510	SGD 1473	SGD 1273	SGD 1235	SGD 1448	SGD 1410
	450 mm (045)	SGD 1360	SGD 1323	SGD 1535	SGD 1498	SGD 1298	SGD 1260	SGD 1473	SGD 1435
	500 mm (050)	SGD 1360	SGD 1323	SGD 1535	SGD 1498	SGD 1298	SGD 1260	SGD 1473	SGD 1435
	550 mm (055)	SGD 1385	SGD 1348	SGD 1560	SGD 1523	SGD 1323	SGD 1285	SGD 1498	SGD 1460
	600 mm (060)	SGD 1385	SGD 1348	SGD 1560	SGD 1523	SGD 1323	SGD 1285	SGD 1498	SGD 1460
	650 mm (065)	SGD 1410	SGD 1373	SGD 1585	SGD 1548	SGD 1348	SGD 1310	SGD 1523	SGD 1485
	700 mm (070)	SGD 1410	SGD 1373	SGD 1585	SGD 1548	SGD 1348	SGD 1310	SGD 1523	SGD 1485

◇ EZS6 Standard Type/Side-Mounted Type

The prices are the same even if the ② Motor Installing Direction (L, R, Blank) and ④ Lead (D, E) are different.

⑨ Driver Type (D, Blank)	Built-in Controller Type (D)				Pulse Input Type (Blank)				
	Single Shaft (A)		With Electromagnetic Brake (M)		Single Shaft (A)		With Electromagnetic Brake (M)		
⑦ Motor Shape (A, M)	Included (1, 2, 3)		Blank		Included (1, 2, 3)		Blank		
⑩ Connection Cable (1, 2, 3, Blank)	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	
⑤ Stroke	50 mm (005)	SGD 1514	SGD 1476	SGD 1739	SGD 1701	SGD 1451	SGD 1414	SGD 1676	SGD 1639
	100 mm (010)	SGD 1514	SGD 1476	SGD 1739	SGD 1701	SGD 1451	SGD 1414	SGD 1676	SGD 1639
	150 mm (015)	SGD 1539	SGD 1501	SGD 1764	SGD 1726	SGD 1476	SGD 1439	SGD 1701	SGD 1664
	200 mm (020)	SGD 1539	SGD 1501	SGD 1764	SGD 1726	SGD 1476	SGD 1439	SGD 1701	SGD 1664
	250 mm (025)	SGD 1564	SGD 1526	SGD 1789	SGD 1751	SGD 1501	SGD 1464	SGD 1726	SGD 1689
	300 mm (030)	SGD 1564	SGD 1526	SGD 1789	SGD 1751	SGD 1501	SGD 1464	SGD 1726	SGD 1689
	350 mm (035)	SGD 1589	SGD 1551	SGD 1814	SGD 1776	SGD 1526	SGD 1489	SGD 1751	SGD 1714
	400 mm (040)	SGD 1589	SGD 1551	SGD 1814	SGD 1776	SGD 1526	SGD 1489	SGD 1751	SGD 1714
	450 mm (045)	SGD 1614	SGD 1576	SGD 1839	SGD 1801	SGD 1551	SGD 1514	SGD 1776	SGD 1739
	500 mm (050)	SGD 1614	SGD 1576	SGD 1839	SGD 1801	SGD 1551	SGD 1514	SGD 1776	SGD 1739
	550 mm (055)	SGD 1639	SGD 1601	SGD 1864	SGD 1826	SGD 1576	SGD 1539	SGD 1801	SGD 1764
	600 mm (060)	SGD 1639	SGD 1601	SGD 1864	SGD 1826	SGD 1576	SGD 1539	SGD 1801	SGD 1764
	650 mm (065)	SGD 1664	SGD 1626	SGD 1889	SGD 1851	SGD 1601	SGD 1564	SGD 1826	SGD 1789
	700 mm (070)	SGD 1664	SGD 1626	SGD 1889	SGD 1851	SGD 1601	SGD 1564	SGD 1826	SGD 1789
	750 mm (075)	SGD 1689	SGD 1651	SGD 1914	SGD 1876	SGD 1626	SGD 1589	SGD 1851	SGD 1814
	800 mm (080)	SGD 1689	SGD 1651	SGD 1914	SGD 1876	SGD 1626	SGD 1589	SGD 1851	SGD 1814
850 mm (085)	SGD 1714	SGD 1676	SGD 1939	SGD 1901	SGD 1651	SGD 1614	SGD 1876	SGD 1839	

● DC Power Supply Input

◇ Product Number Code

① Product Series	③ Direction of Suction Fittings*1	④ Lead	⑤ Stroke	⑥ Installed Motor	⑦ Motor Shape	⑧ Power Supply Input	⑨ Driver Type	⑩ Connection Cable*2
EZS4	CR	D	005	AZ	A	K	D	-1
EZS3 EZS4 EZS6	CL: Left Sided Suction Fitting CR: Right Sided Suction Fitting	D: 12 mm E: 6 mm	005: 50 mm 010: 100 mm 015: 150 mm ~ 085: 850 mm (50 mm increments)	AZ Series	A: Single Shaft M: With Electromagnetic Brake	K: 24 VDC/48 VDC	D: Built-in Controller Type Blank: Pulse Input Type	Number: Included Connection Cable Length -1: 1 m -2: 2 m -3: 3 m Blank: Connection Cable Not Included

*1 Only standard types are clean room compatible. Specify suction fitting directions for clean room compatible products.

*2 Connection cables with a length of more than 3 m are available as accessories (sold separately). Connection Cable Sets → Page 104

◇ EZS3 Clean Room Compatible

The prices are the same even if the ③ Direction of Suction Fittings (CL, CR) and ④ Lead (D, E) are different.

⑨ Driver Type (D, Blank)	Built-in Controller Type (D)				Pulse Input Type (Blank)				
	Single Shaft (A)		With Electromagnetic Brake (M)		Single Shaft (A)		With Electromagnetic Brake (M)		
⑦ Motor Shape (A, M)	Single Shaft (A)		With Electromagnetic Brake (M)		Single Shaft (A)		With Electromagnetic Brake (M)		
⑩ Connection Cable (1, 2, 3, Blank)	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	
⑤ Stroke	50 mm (005)	SGD 1348	SGD 1310	SGD 1523	SGD 1485	SGD 1285	SGD 1248	SGD 1460	SGD 1423
	100 mm (010)	SGD 1348	SGD 1310	SGD 1523	SGD 1485	SGD 1285	SGD 1248	SGD 1460	SGD 1423
	150 mm (015)	SGD 1373	SGD 1335	SGD 1548	SGD 1510	SGD 1310	SGD 1273	SGD 1485	SGD 1448
	200 mm (020)	SGD 1373	SGD 1335	SGD 1548	SGD 1510	SGD 1310	SGD 1273	SGD 1485	SGD 1448
	250 mm (025)	SGD 1398	SGD 1360	SGD 1573	SGD 1535	SGD 1335	SGD 1298	SGD 1510	SGD 1473
	300 mm (030)	SGD 1398	SGD 1360	SGD 1573	SGD 1535	SGD 1335	SGD 1298	SGD 1510	SGD 1473
	350 mm (035)	SGD 1423	SGD 1385	SGD 1598	SGD 1560	SGD 1360	SGD 1323	SGD 1535	SGD 1498
	400 mm (040)	SGD 1423	SGD 1385	SGD 1598	SGD 1560	SGD 1360	SGD 1323	SGD 1535	SGD 1498
	450 mm (045)	SGD 1448	SGD 1410	SGD 1623	SGD 1585	SGD 1385	SGD 1348	SGD 1560	SGD 1523
	500 mm (050)	SGD 1448	SGD 1410	SGD 1623	SGD 1585	SGD 1385	SGD 1348	SGD 1560	SGD 1523
	550 mm (055)	SGD 1473	SGD 1435	SGD 1648	SGD 1610	SGD 1410	SGD 1373	SGD 1585	SGD 1548
	600 mm (060)	SGD 1473	SGD 1435	SGD 1648	SGD 1610	SGD 1410	SGD 1373	SGD 1585	SGD 1548
	650 mm (065)	SGD 1498	SGD 1460	SGD 1673	SGD 1635	SGD 1435	SGD 1398	SGD 1610	SGD 1573
	700 mm (070)	SGD 1498	SGD 1460	SGD 1673	SGD 1635	SGD 1435	SGD 1398	SGD 1610	SGD 1573

◇ EZS4 Clean Room Compatible

The prices are the same even if the ③ Direction of Suction Fittings (CL, CR) and ④ Lead (D, E) are different.

⑨ Driver Type (D, Blank)	Built-in Controller Type (D)				Pulse Input Type (Blank)				
	Single Shaft (A)		With Electromagnetic Brake (M)		Single Shaft (A)		With Electromagnetic Brake (M)		
⑦ Motor Shape (A, M)	Single Shaft (A)		With Electromagnetic Brake (M)		Single Shaft (A)		With Electromagnetic Brake (M)		
⑩ Connection Cable (1, 2, 3, Blank)	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	
⑤ Stroke	50 mm (005)	SGD 1385	SGD 1348	SGD 1560	SGD 1523	SGD 1323	SGD 1285	SGD 1498	SGD 1460
	100 mm (010)	SGD 1385	SGD 1348	SGD 1560	SGD 1523	SGD 1323	SGD 1285	SGD 1498	SGD 1460
	150 mm (015)	SGD 1410	SGD 1373	SGD 1585	SGD 1548	SGD 1348	SGD 1310	SGD 1523	SGD 1485
	200 mm (020)	SGD 1410	SGD 1373	SGD 1585	SGD 1548	SGD 1348	SGD 1310	SGD 1523	SGD 1485
	250 mm (025)	SGD 1435	SGD 1398	SGD 1610	SGD 1573	SGD 1373	SGD 1335	SGD 1548	SGD 1510
	300 mm (030)	SGD 1435	SGD 1398	SGD 1610	SGD 1573	SGD 1373	SGD 1335	SGD 1548	SGD 1510
	350 mm (035)	SGD 1460	SGD 1423	SGD 1635	SGD 1598	SGD 1398	SGD 1360	SGD 1573	SGD 1535
	400 mm (040)	SGD 1460	SGD 1423	SGD 1635	SGD 1598	SGD 1398	SGD 1360	SGD 1573	SGD 1535
	450 mm (045)	SGD 1485	SGD 1448	SGD 1660	SGD 1623	SGD 1423	SGD 1385	SGD 1598	SGD 1560
	500 mm (050)	SGD 1485	SGD 1448	SGD 1660	SGD 1623	SGD 1423	SGD 1385	SGD 1598	SGD 1560
	550 mm (055)	SGD 1510	SGD 1473	SGD 1685	SGD 1648	SGD 1448	SGD 1410	SGD 1623	SGD 1585
	600 mm (060)	SGD 1510	SGD 1473	SGD 1685	SGD 1648	SGD 1448	SGD 1410	SGD 1623	SGD 1585
	650 mm (065)	SGD 1535	SGD 1498	SGD 1710	SGD 1673	SGD 1473	SGD 1435	SGD 1648	SGD 1610
	700 mm (070)	SGD 1535	SGD 1498	SGD 1710	SGD 1673	SGD 1473	SGD 1435	SGD 1648	SGD 1610

◇ EZS6 Clean Room Compatible

The prices are the same even if the ③ Direction of Suction Fittings (CL, CR) and ④ Lead (D, E) are different.

⑨ Driver Type (D, Blank)	Built-in Controller Type (D)				Pulse Input Type (Blank)				
	Single Shaft (A)		With Electromagnetic Brake (M)		Single Shaft (A)		With Electromagnetic Brake (M)		
⑦ Motor Shape (A, M)	Single Shaft (A)		With Electromagnetic Brake (M)		Single Shaft (A)		With Electromagnetic Brake (M)		
⑩ Connection Cable (1, 2, 3, Blank)	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	
⑤ Stroke	50 mm (005)	SGD 1639	SGD 1601	SGD 1864	SGD 1826	SGD 1576	SGD 1539	SGD 1801	SGD 1764
	100 mm (010)	SGD 1639	SGD 1601	SGD 1864	SGD 1826	SGD 1576	SGD 1539	SGD 1801	SGD 1764
	150 mm (015)	SGD 1664	SGD 1626	SGD 1889	SGD 1851	SGD 1601	SGD 1564	SGD 1826	SGD 1789
	200 mm (020)	SGD 1664	SGD 1626	SGD 1889	SGD 1851	SGD 1601	SGD 1564	SGD 1826	SGD 1789
	250 mm (025)	SGD 1689	SGD 1651	SGD 1914	SGD 1876	SGD 1626	SGD 1589	SGD 1851	SGD 1814
	300 mm (030)	SGD 1689	SGD 1651	SGD 1914	SGD 1876	SGD 1626	SGD 1589	SGD 1851	SGD 1814
	350 mm (035)	SGD 1714	SGD 1676	SGD 1939	SGD 1901	SGD 1651	SGD 1614	SGD 1876	SGD 1839
	400 mm (040)	SGD 1714	SGD 1676	SGD 1939	SGD 1901	SGD 1651	SGD 1614	SGD 1876	SGD 1839
	450 mm (045)	SGD 1739	SGD 1701	SGD 1964	SGD 1926	SGD 1676	SGD 1639	SGD 1901	SGD 1864
	500 mm (050)	SGD 1739	SGD 1701	SGD 1964	SGD 1926	SGD 1676	SGD 1639	SGD 1901	SGD 1864
	550 mm (055)	SGD 1764	SGD 1726	SGD 1989	SGD 1951	SGD 1701	SGD 1664	SGD 1926	SGD 1889
	600 mm (060)	SGD 1764	SGD 1726	SGD 1989	SGD 1951	SGD 1701	SGD 1664	SGD 1926	SGD 1889
	650 mm (065)	SGD 1789	SGD 1751	SGD 2014	SGD 1976	SGD 1726	SGD 1689	SGD 1951	SGD 1914
	700 mm (070)	SGD 1789	SGD 1751	SGD 2014	SGD 1976	SGD 1726	SGD 1689	SGD 1951	SGD 1914
	750 mm (075)	SGD 1814	SGD 1776	SGD 2039	SGD 2001	SGD 1751	SGD 1714	SGD 1976	SGD 1939
	800 mm (080)	SGD 1814	SGD 1776	SGD 2039	SGD 2001	SGD 1751	SGD 1714	SGD 1976	SGD 1939
850 mm (085)	SGD 1839	SGD 1801	SGD 2064	SGD 2026	SGD 1776	SGD 1739	SGD 2001	SGD 1964	

Motorized Linear Slides

Q-STEP AZ/AR Equipped EZS

Motorized Cylinders

Q-STEP AZ/AR Equipped EAC

Accessories

Accessories

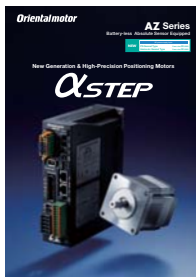
Type	Accessories	Actuator	Driver	Fixing Bolt	Connection Cable*1	Connector	Operating Manual
For All Types		1 unit	1 unit	EZS3, EZS4 M5×45 P0.8 (4 pcs.) EZS6 M5×65 P0.8 (4 pcs.)	· Cable for motor · Cable for electromagnetic brake (Electromagnetic brake type only) · Cable for encoder	· Connector for CN4 (1 pc.) · Connector for CN1 (1 pc.) · Connector for CN5 (1 pc.)*2 · Connector wiring lever (1 pc.)*2	1 set

*1 Only with products supplied with a connection cable

*2 AC power supply input only

Drivers and cables are the same as for **AZ** Series.
 For the following content, confirm the equipped motor product name and driver product name before viewing the **AZ** Series product catalog.

- Driver Specifications
- RS-485 Communication Specifications
- Dimensions
- Connection and Operation



System Configuration

When using a Motorized Actuator with Electromagnetic Brake and a Built-in Controller Type Driver

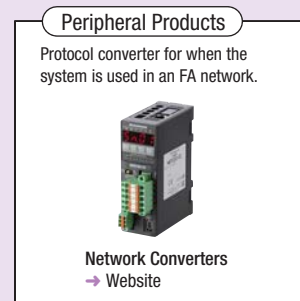
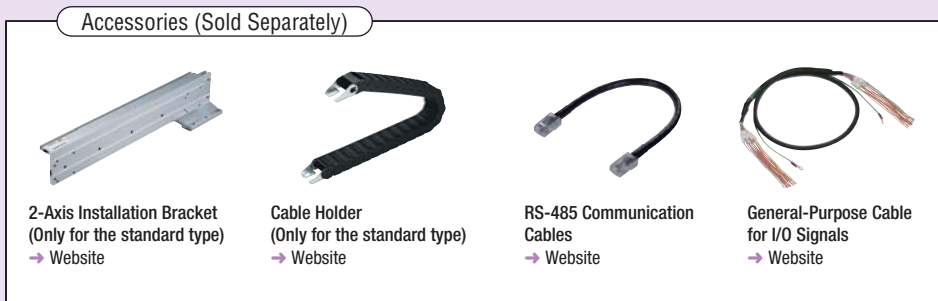
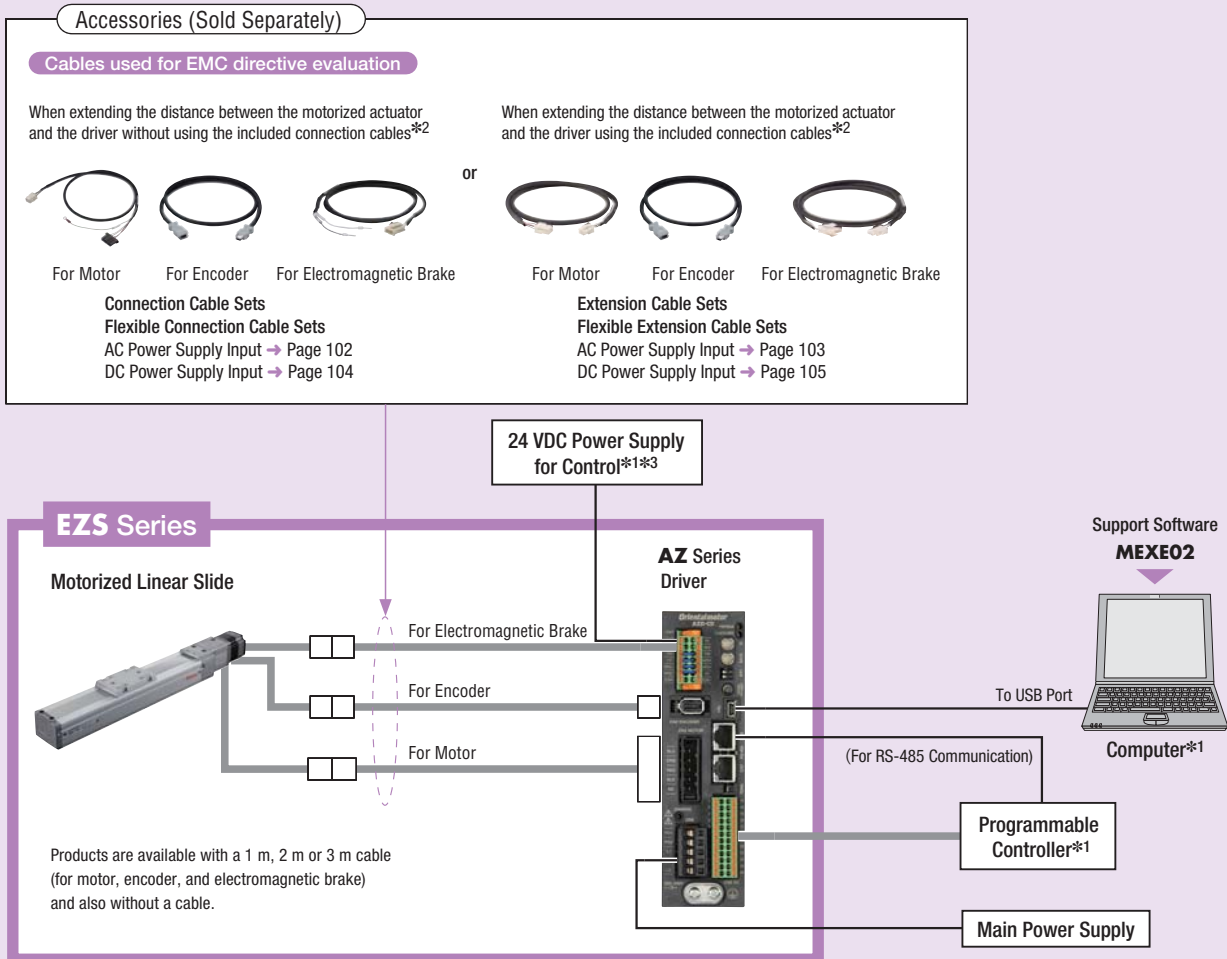
(AC power supply input and DC power supply input are both indicated. The photo shows a type for AC power supply input.)

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

*1 Not supplied.

*2 Only with products supplied with a connection cable.

*3 A product for DC power supply is unnecessary.



● MEXE02 can be downloaded from the Oriental Motor website.

● The functions and operation method of this product are common to the hybrid control system **QSTEP-AZ** Series. For details on the functions and operation method, see the Operating Manual (for Drivers, Functions) of the **AZ** Series. The Operating Manual for Drivers is included with the product, but the Operating Manual for Functions is not included. Contact the nearest Oriental Motor sales office or download from the Oriental Motor website. <http://www.orientalmotor.com.sg/>

Price Examples of System Configurations

EZS Series	+	Sold Separately
EZS4-D050-AZMCD-1		General-Purpose Cable for I/O Signals (1 m)
SGD 1698		CC16D010B-1
		SGD 25

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

Note

● The motor cable and electromagnetic brake cable from the motor cannot be directly connected to a driver. To connect the motor to the driver, use a connection cable.

● When using a Motorized Actuator with Electromagnetic Brake and a Pulse Input Type Driver
(AC power supply input and DC power supply input are both indicated. The photo shows a type for AC power supply input.)
The figure below shows a sample configuration of a single axis system which uses a programmable controller (Equipped with a pulse oscillator).

- *1 Not supplied.
- *2 Only with products supplied with a connection cable.
- *3 A product for DC power supply is unnecessary.

Accessories (Sold Separately)

Cables used for EMC directive evaluation

When extending the distance between the motorized actuator and the driver without using the included connection cables*2

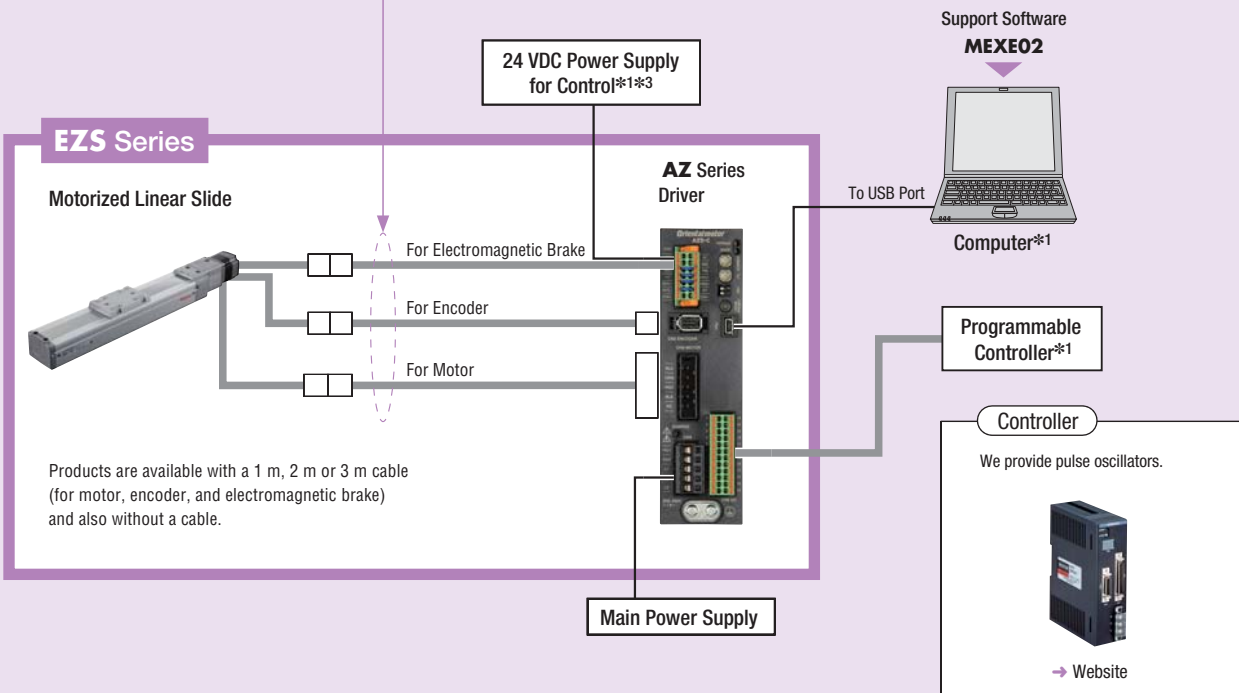
For Motor For Encoder For Electromagnetic Brake

Connection Cable Sets
Flexible Connection Cable Sets
AC Power Supply Input → Page 102
DC Power Supply Input → Page 104

When extending the distance between the motorized actuator and the driver using the included connection cables*2

For Motor For Encoder For Electromagnetic Brake

Extension Cable Sets
Flexible Extension Cable Sets
AC Power Supply Input → Page 103
DC Power Supply Input → Page 105



Accessories (Sold Separately)

2-Axis Installation Bracket
(Only for the standard type)
→ Website

Cable Holder
(Only for the standard type)
→ Website

General-Purpose Cable
for I/O Signals
→ Website

Connector - Terminal
Block Conversion Unit
→ Website

- **MEXE02** can be downloaded from the Oriental Motor website.
- The functions and operation method of this product are common to the hybrid control system αSTEP AZ Series. For details on the functions and operation method, see the Operating Manual (for Drivers, Functions) of the AZ Series. The Operating Manual for Drivers is included with the product, but the Operating Manual for Functions is not included. Contact the nearest Oriental Motor sales office or download from the Oriental Motor website. <http://www.orientalmotor.com.sg/>

● Price Examples of System Configurations

EZS Series EZS4-D050-AZMC-1 SGD 1635	+	Sold Separately	
	General-Purpose Cable for I/O Signals (1 m)	Connector - Terminal Block Conversion Unit (1 m)	
	CC16D010B-1 SGD 25	CC50T10E SGD 248	

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

Note

- The motor cable and electromagnetic brake cable from the motor cannot be directly connected to a driver. To connect the motor to the driver, use a connection cable.

EZS3: Width 54 mm × Height 50 mm

Standard Type/Side-Mounted Type/
Clean Room Compatible

AC Power Supply Input

Motorized
Linear
Slides

Q/STEP
AZ/AR
Equipped
EZS

Motorized
Cylinders

Q/STEP
AZ/AR
Equipped
EAC

Accessories

Product Number Code

Product Series	Motor Installing Direction*1	Direction of Suction Fittings*2	Lead	Stroke	Installed Motor	Motor Shape	Power Supply Input	Driver Type	Connection Cable*3
EZS3		CR	D	005	AZ	A	A	D	-1
EZS3	L: Left Side Mounted R: Right Side Mounted Blank: Standard	CL: Left Sided Suction Fitting CR: Right Sided Suction Fitting	D: 12 mm E: 6 mm	005: 50 mm 010: 100 mm 015: 150 mm ~ 070: 700 mm (50 mm increments)	AZ Series	A: Single Shaft M: With Electromagnetic Brake	A: Single-Phase 100-120 VAC C: Single-Phase/Three-Phase 200-240 VAC	D: Built-in Controller Type Blank: Pulse Input Type	Number: Included Connection Cable Length -1: 1 m -2: 2 m -3: 3 m Blank: Connection Cable Not Included

*1 Only standard types are clean room compatible.

*2 Specify suction fitting directions for clean room compatible products.

*3 Connection cables with a length of more than 3 m are available as accessories (sold separately). Connection Cable Sets → Page 102

Motorized Cylinder Specifications

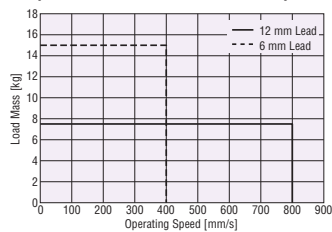
Lead	mm	12	6
Electromagnetic Brake (Power off activated type)		Equipped	Not provided
Drive System		Ball screw	
Repetitive Positioning Accuracy	mm	±0.02	
Minimum Traveling Amount	mm	0.01	
Traveling Parallelism	mm	0.03	
Permissible Moment	Dynamic Permissible Moment	Mp: 4.2 Mv: 4.2 Ma: 10.5	
	Static Permissible Moment	Mp: 26.4 Mv: 26.4 Ma: 52.0	
Transportable Mass	Horizontal	~7.5	~15
	Vertical	~3.5	~7
Thrust	N	~43	~86
Pushing Force	N	100	200
Holding Force	N	70	140 [125]
Maximum Speed by Stroke	50~500 mm	800	400
	550 mm	650	320
	600 mm	550	270
	650 mm	460	220
	700 mm	400	200

● [] indicates the value for the side-mounted type.

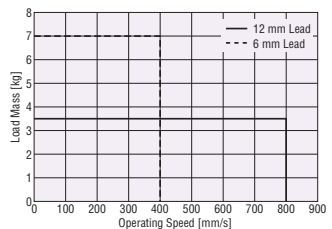
● Holding force is lost while power is not supplied, and loads and external force in the vertical direction cannot be maintained. Choose the type with electromagnetic brake for vertical drive.

Operating Speed – Load Mass

Horizontal Direction Installation (Acceleration of 3 m/s²)



Vertical Direction Installation (Acceleration of 2 m/s²)



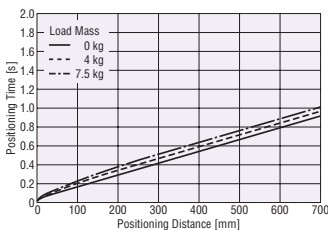
Positioning Distance – Positioning Time

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

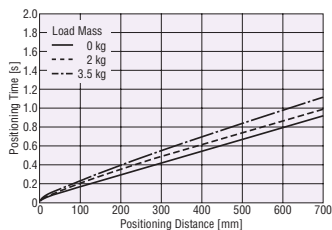
A reference value for the positioning time can be calculated by multiplying the positioning time calculated from the graph with the positioning time coefficient for the applicable stroke.

12 mm Lead

Horizontal Direction Installation

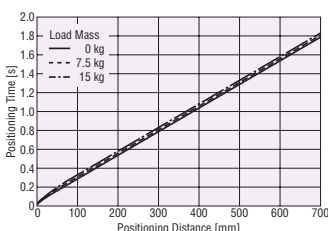


Vertical Direction Installation

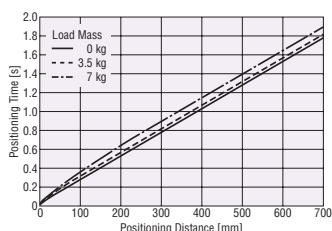


6 mm Lead

Horizontal Direction Installation



Vertical Direction Installation



Positioning Time Coefficient

Stroke [mm]	Load Mass					
	Horizontal Direction Installation			Vertical Direction Installation		
	0 kg	4 kg	7.5 kg	0 kg	2 kg	3.5 kg
50~500	1.0	1.0	1.0	1.0	1.0	1.0
550	1.2	1.2	1.1	1.2	1.1	1.0
600	1.4	1.3	1.3	1.4	1.3	1.2
650	1.7	1.6	1.5	1.7	1.6	1.4
700	1.9	1.8	1.8	1.9	1.8	1.6

Positioning Time Coefficient

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

Note

● The starting speed should be 6 mm/s or less.

Dimensions Motorized Linear Slides → Page 32, 33

Product Number Code

Product Series	Motor Installing Direction*1	Direction of Suction Fittings*2	Lead	Stroke	Installed Motor	Motor Shape	Power Supply Input	Driver Type	Connection Cable*3
EZS3		CR	D	005	AZ	A	K	D	-1
EZS3	L : Left Side Mounted R : Right Side Mounted Blank: Standard	CL : Left Sided Suction Fitting CR : Right Sided Suction Fitting	D : 12 mm E : 6 mm	005 : 50 mm 010 : 100 mm 015 : 150 mm ~ 070 : 700 mm (50 mm increments)	AZ Series	A : Single Shaft M : With Electromagnetic Brake	K : 24 VDC/48 VDC	D : Built-in Controller Type Blank: Pulse Input Type	Number: Included Connection Cable Length -1 : 1 m -2 : 2 m -3 : 3 m Blank: Connection Cable Not Included

*1 Only standard types are clean room compatible.

*2 Specify suction fitting directions for clean room compatible products.

*3 Connection cables with a length of more than 3 m are available as accessories (sold separately). Connection Cable Sets → Page 104

Motorized Cylinder Specifications

Lead	mm	12	6
Electromagnetic Brake (Power off activated type)		Equipped	Not provided
Drive System		Ball screw	
Repetitive Positioning Accuracy	mm	±0.02	
Minimum Traveling Amount	mm	0.01	
Traveling Parallelism	mm	0.03	
Permissible Moment	Dynamic Permissible Moment	Mr: 4.2 Mv: 4.2 Mn: 10.5	
	Static Permissible Moment	Mr: 26.4 Mv: 26.4 Mn: 52.0	
Transportable Mass	Horizontal	~7.5	~15
	Vertical	~3.5	~7
Thrust	N	~43	~86
Pushing Force	N	100	200
Holding Force	N	70	140 [125]
Maximum Speed by Stroke	50~550 mm	600	300
	600 mm	550	270
	650 mm	460	220
	700 mm	400	200

● [] indicates the value for the side-mounted type.

● For the specifications and characteristics for 48 VDC input, contact the nearest Oriental Motor sales office.

● Holding force is lost while power is not supplied, and loads and external force in the vertical direction cannot be maintained. Choose the type with electromagnetic brake for vertical drive.

● The maximum speed may decrease depending on the ambient temperature and motor cable length.

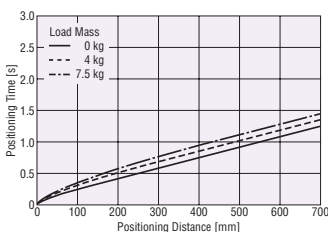
Positioning Distance – Positioning Time

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

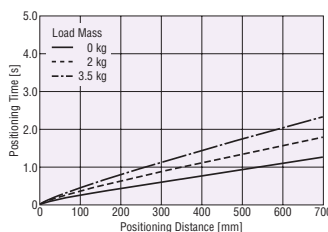
A reference value for the positioning time can be calculated by multiplying the positioning time calculated from the graph with the positioning time coefficient for the applicable stroke.

● 12 mm Lead

◇ Horizontal Direction Installation



◇ Vertical Direction Installation

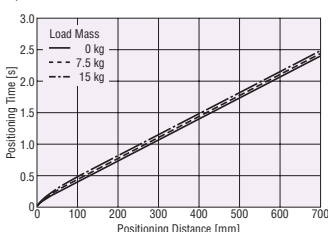


Positioning Time Coefficient

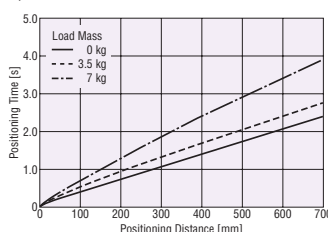
Stroke [mm]	Load Mass					
	Horizontal Direction Installation			Vertical Direction Installation		
	0 kg	4 kg	7.5 kg	0 kg	2 kg	3.5 kg
50~550	1.0	1.0	1.0	1.0	1.0	1.0
600	1.1	1.0	1.0	1.1	1.0	1.0
650	1.2	1.2	1.1	1.2	1.0	1.0
700	1.4	1.3	1.3	1.4	1.0	1.0

● 6 mm Lead

◇ Horizontal Direction Installation



◇ Vertical Direction Installation



Positioning Time Coefficient

Stroke [mm]	Load Mass					
	Horizontal Direction Installation			Vertical Direction Installation		
	0 kg	7.5 kg	15 kg	0 kg	3.5 kg	7 kg
50~550	1.0	1.0	1.0	1.0	1.0	1.0
600	1.1	1.1	1.1	1.1	1.0	1.0
650	1.3	1.3	1.3	1.3	1.2	1.0
700	1.5	1.5	1.4	1.5	1.3	1.0

Note

● The starting speed should be 6 mm/s or less.

Dimensions Motorized Linear Slides → Page 32, 33

EZS4: Width 74 mm × Height 50 mm

Standard Type
Clean Room Compatible AC Power Supply Input

Motorized
Linear
Slides

QSTEP
AZ/AR
Equipped
EZS

Motorized
Cylinders

QSTEP
AZ/AR
Equipped
EAC

Accessories

Product Number Code

Product Series	Direction of Suction Fittings*1	Lead	Stroke	Installed Motor	Motor Shape	Power Supply Input	Driver Type	Connection Cable*2
EZS4	CR	D	005	AZ	A	A	D	-1
EZS4	CL: Left Sided Suction Fitting CR: Right Sided Suction Fitting	D: 12 mm E: 6 mm	005: 50 mm 010: 100 mm 015: 150 mm ~ 070: 700 mm (50 mm increments)	AZ Series	A: Single Shaft M: With Electromagnetic Brake	A: Single-Phase 100-120 VAC C: Single-Phase/Three-Phase 200-240 VAC	D: Built-in Controller Type Blank: Pulse Input Type	Number: Included Connection Cable Length -1: 1 m -2: 2 m -3: 3 m Blank: Connection Cable Not Included

*1 Only standard types are clean room compatible. Specify suction fitting directions for clean room compatible products.

*2 Connection cables with a length of more than 3 m are available as accessories (sold separately). Connection Cable Sets → Page 102

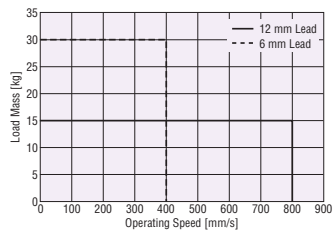
Motorized Cylinder Specifications

Lead	mm	12	6
Electromagnetic Brake (Power off activated type)		Equipped	Not provided
Drive System		Ball screw	
Repetitive Positioning Accuracy	mm	±0.02	
Minimum Traveling Amount	mm	0.01	
Traveling Parallelism	mm	0.03	
Permissible Moment	Dynamic Permissible Moment	M _r : 8.0 M _v : 8.0 M _r : 27.8	
	Static Permissible Moment	M _r : 51.2 M _v : 42.5 M _r : 176.0	
Transportable Mass	Horizontal	~15	
	Vertical	~7	~14
Thrust	N	~70	~140
Pushing Force	N	100	200
Holding Force	N	70	140
Maximum Speed by Stroke	50~500 mm	800	400
	550 mm	650	320
	600 mm	550	270
	650 mm	460	220
	700 mm	400	200

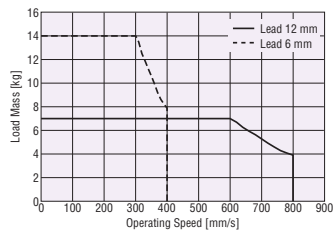
● Holding force is lost while power is not supplied, and loads and external force in the vertical direction cannot be maintained. Choose the type with electromagnetic brake for vertical drive.

Operating Speed – Load Mass

● Horizontal Direction Installation (Acceleration of 3 m/s²)



● Vertical Direction Installation (Acceleration of 2 m/s²)



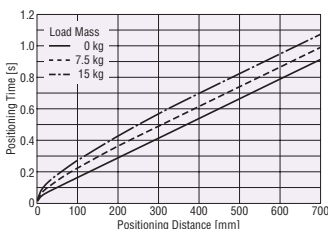
Positioning Distance – Positioning Time

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

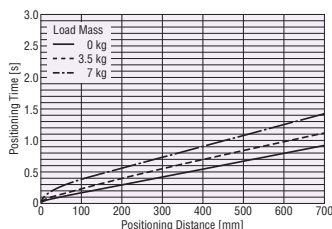
A reference value for the positioning time can be calculated by multiplying the positioning time calculated from the graph with the positioning time coefficient for the applicable stroke.

● 12 mm Lead

◇ Horizontal Direction Installation

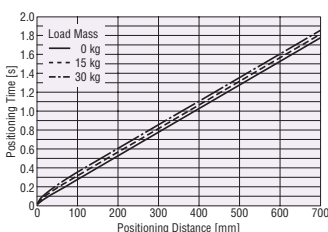


◇ Vertical Direction Installation

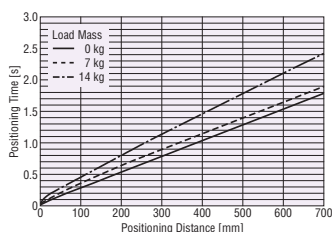


● 6 mm Lead

◇ Horizontal Direction Installation



◇ Vertical Direction Installation



Positioning Time Coefficient

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

Positioning Time Coefficient

Stroke [mm]	Load Mass					
	Horizontal Direction Installation			Vertical Direction Installation		
	0 kg	15 kg	30 kg	0 kg	7 kg	14 kg
50~500	1.0	1.0	1.0	1.0	1.0	1.0
550	1.2	1.2	1.2	1.2	1.2	1.0
600	1.5	1.4	1.4	1.5	1.4	1.1
650	1.8	1.7	1.7	1.8	1.7	1.3
700	2.0	1.9	1.9	2.0	1.9	1.5

Note

● The starting speed should be 6 mm/s or less.

Dimensions Motorized Linear Slides → Page 34

EZS4: Width 74 mm×Height 50 mm Side-Mounted Type AC Power Supply Input

Product Number Code

Product Series	Motor Installing Direction	Lead	Stroke	Installed Motor	Motor Shape	Power Supply Input	Driver Type	Connection Cable*
EZS4	L	D	005	AZ	A	A	D	-1
EZS4	L: Left Side Mounted R: Right Side Mounted	D: 12 mm E: 6 mm	005: 50 mm 010: 100 mm 015: 150 mm ~ 070: 700 mm (50 mm increments)	AZ Series	A: Single Shaft M: With Electromagnetic Brake	A: Single-Phase 100-120 VAC C: Single-Phase/Three-Phase 200-240 VAC	D: Built-in Controller Type Blank: Pulse Input Type	Number: Included Connection Cable Length -1: 1 m -2: 2 m -3: 3 m Blank: Connection Cable Not Included

*Connection cables with a length of more than 3 m are available as accessories (sold separately). Connection Cable Sets → Page 102

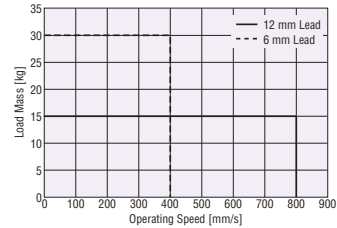
Motorized Cylinder Specifications

Lead	mm	12	6		
Electromagnetic Brake (Power off activated type)		Equipped	Not provided	Equipped	Not provided
Drive System		Ball screw			
Repetitive Positioning Accuracy	mm	±0.02			
Minimum Traveling Amount	mm	0.01			
Traveling Parallelism	mm	0.03			
Permissible Moment	Dynamic Permissible Moment	M _r : 8.0 M _v : 8.0 M _a : 27.8			
	Static Permissible Moment	M _r : 51.2 M _v : 42.5 M _a : 176.0			
Transportable Mass	Horizontal	~15		~30	
	Vertical	~7	—	~12.5	—
Thrust	N	~70		~125	
Pushing Force	N	100		200	
Holding Force	N	70		125	
Maximum Speed by Stroke	50~500 mm	800		400	
	550 mm	650		320	
	600 mm	550		270	
	650 mm	460		220	
	700 mm	400		200	

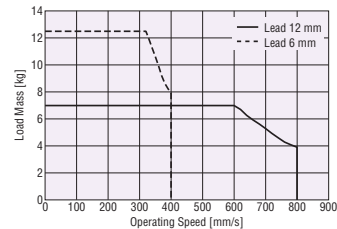
● Holding force is lost while power is not supplied, and loads and external force in the vertical direction cannot be maintained. Choose the type with electromagnetic brake for vertical drive.

Operating Speed – Load Mass

● Horizontal Direction Installation (Acceleration of 3 m/s²)



● Vertical Direction Installation (Acceleration of 2 m/s²)



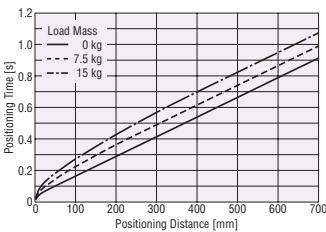
Positioning Distance – Positioning Time

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

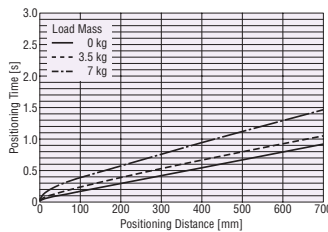
A reference value for the positioning time can be calculated by multiplying the positioning time calculated from the graph with the positioning time coefficient for the applicable stroke.

● 12 mm Lead

◇ Horizontal Direction Installation



◇ Vertical Direction Installation

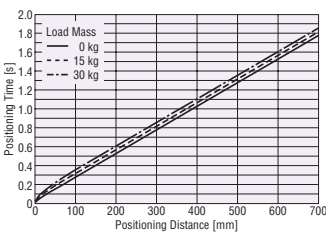


Positioning Time Coefficient

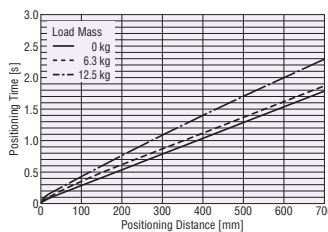
Stroke [mm]	Load Mass					
	Horizontal Direction Installation			Vertical Direction Installation		
	0 kg	7.5 kg	15 kg	0 kg	3.5 kg	7 kg
50~500	1.0	1.0	1.0	1.0	1.0	1.0
550	1.2	1.1	1.1	1.2	1.0	1.0
600	1.4	1.3	1.2	1.4	1.2	1.0
650	1.7	1.5	1.4	1.7	1.4	1.2
700	1.9	1.8	1.6	1.9	1.6	1.3

● 6 mm Lead

◇ Horizontal Direction Installation



◇ Vertical Direction Installation



Positioning Time Coefficient

Stroke [mm]	Load Mass					
	Horizontal Direction Installation			Vertical Direction Installation		
	0 kg	15 kg	30 kg	0 kg	6.3 kg	12.5 kg
50~500	1.0	1.0	1.0	1.0	1.0	1.0
550	1.2	1.2	1.2	1.2	1.2	1.0
600	1.5	1.4	1.4	1.5	1.4	1.2
650	1.8	1.7	1.7	1.8	1.7	1.4
700	2.0	1.9	1.9	2.0	1.9	1.6

Note

● The starting speed should be 6 mm/s or less.

Dimensions Motorized Linear Slides → Page 35

EZS4: Width 74 mm × Height 50 mm

Standard Type
Clean Room Compatible

24 VDC Input

Motorized
Linear
Slides

QSTEP
AZ/AR
Equipped
EZS

Motorized
Cylinders

QSTEP
AZ/AR
Equipped
EAC

Accessories

Product Number Code

Product Series	Direction of Suction Fittings*1	Lead	Stroke	Installed Motor	Motor Shape	Power Supply Input	Driver Type	Connection Cable*2
EZS4	CR	D	005	AZ	A	K	D	-1
EZS4	CL: Left Sided Suction Fitting CR: Right Sided Suction Fitting	D: 12 mm E: 6 mm	005: 50 mm 010: 100 mm 015: 150 mm ~ 070: 700 mm (50 mm increments)	AZ Series	A: Single Shaft M: With Electromagnetic Brake	K: 24 VDC/48 VDC	D: Built-in Controller Type Blank: Pulse Input Type	Number: Included Connection Cable Length -1: 1 m -2: 2 m -3: 3 m Blank: Connection Cable Not Included

*1 Only standard types are clean room compatible. Specify suction fitting directions for clean room compatible products.

*2 Connection cables with a length of more than 3 m are available as accessories (sold separately). Connection Cable Sets → Page 104

Motorized Cylinder Specifications

Lead	mm	12	6
Electromagnetic Brake (Power off activated type)		Equipped	Not provided
Drive System		Ball screw	
Repetitive Positioning Accuracy	mm	±0.02	
Minimum Traveling Amount	mm	0.01	
Traveling Parallelism	mm	0.03	
Permissible Moment	Dynamic Permissible Moment	M _r : 8.0 M _v : 8.0 M _s : 27.8	
	Static Permissible Moment	M _r : 51.2 M _v : 42.5 M _s : 176.0	
Transportable Mass	Horizontal	~15	~30
	Vertical	~7	~14
Thrust	N	~70	~140
Pushing Force	N	100	200
Holding Force	N	70	140
Maximum Speed by Stroke	50~550 mm	600	300
	600 mm	550	270
	650 mm	460	220
	700 mm	400	200

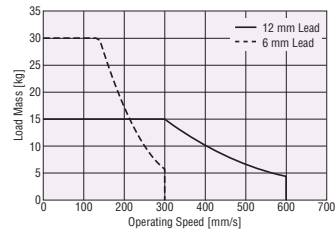
● For the specifications and characteristics for 48 VDC input, contact the nearest Oriental Motor sales office.

● Holding force is lost while power is not supplied, and loads and external force in the vertical direction cannot be maintained. Choose the type with electromagnetic brake for vertical drive.

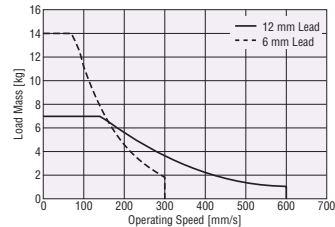
● The maximum speed may decrease depending on the ambient temperature and motor cable length.

Operating Speed – Load Mass

Horizontal Direction Installation (Acceleration of 3 m/s²)



Vertical Direction Installation (Acceleration of 2 m/s²)



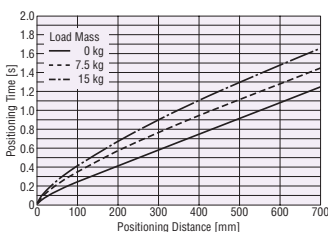
Positioning Distance – Positioning Time

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

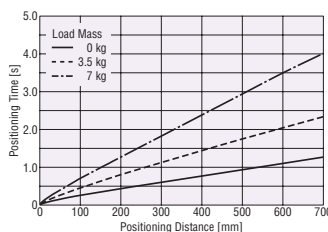
A reference value for the positioning time can be calculated by multiplying the positioning time calculated from the graph with the positioning time coefficient for the applicable stroke.

12 mm Lead

Horizontal Direction Installation



Vertical Direction Installation

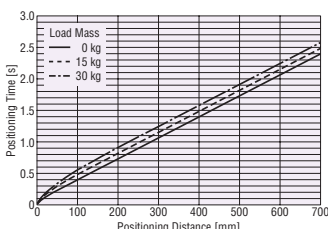


Positioning Time Coefficient

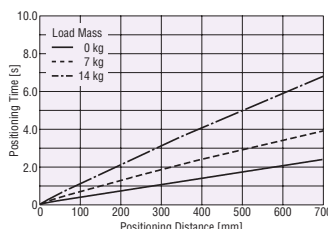
Stroke [mm]	Load Mass					
	Horizontal Direction Installation			Vertical Direction Installation		
	0 kg	7.5 kg	15 kg	0 kg	3.5 kg	7 kg
50~550	1.0	1.0	1.0	1.0	1.0	1.0
600	1.1	1.0	1.0	1.1	1.0	1.0
650	1.2	1.1	1.1	1.2	1.0	1.0
700	1.4	1.3	1.2	1.4	1.0	1.0

6 mm Lead

Horizontal Direction Installation



Vertical Direction Installation



Positioning Time Coefficient

Stroke [mm]	Load Mass					
	Horizontal Direction Installation			Vertical Direction Installation		
	0 kg	15 kg	30 kg	0 kg	7 kg	14 kg
50~550	1.0	1.0	1.0	1.0	1.0	1.0
600	1.1	1.1	1.1	1.1	1.0	1.0
650	1.3	1.3	1.3	1.3	1.0	1.0
700	1.5	1.4	1.4	1.5	1.0	1.0

Note

● The starting speed should be 6 mm/s or less.

Dimensions Motorized Linear Slides → Page 34

EZS4: Width 74 mm×Height 50 mm Side-Mounted Type 24 VDC Input

Product Number Code

Product Series	Motor Installing Direction	Lead	Stroke	Installed Motor	Motor Shape	Power Supply Input	Driver Type	Connection Cable*
EZS4	L	D	005	AZ	A	K	D	-1
EZS4	L: Left Side Mounted R: Right Side Mounted	D: 12 mm E: 6 mm	005: 50 mm 010: 100 mm 015: 150 mm 070: 700 mm (50 mm increments)	AZ Series	A: Single Shaft M: With Electromagnetic Brake	K: 24 VDC/48 VDC	D: Built-in Controller Type Blank: Pulse Input Type	Number: Included Connection Cable Length -1: 1 m -2: 2 m -3: 3 m Blank: Connection Cable Not Included

*Connection cables with a length of more than 3 m are available as accessories (sold separately). Connection Cable Sets → Page 104

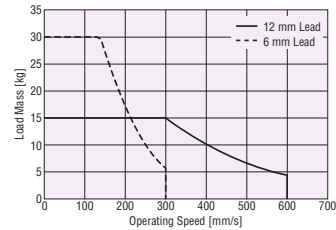
Motorized Cylinder Specifications

Lead	mm	12	6
Electromagnetic Brake (Power off activated type)		Equipped	Not provided
Drive System		Ball screw	
Repetitive Positioning Accuracy	mm	±0.02	
Minimum Traveling Amount	mm	0.01	
Traveling Parallelism	mm	0.03	
Permissible Moment	Dynamic Permissible Moment	Mr: 8.0 Mr: 8.0 Mr: 27.8	
	Static Permissible Moment	Mr: 51.2 Mr: 42.5 Mr: 176.0	
Transportable Mass	Horizontal	~15	~30
	Vertical	~7	~12.5
Thrust	N	~70	~125
Pushing Force	N	100	200
Holding Force	N	70	125
Maximum Speed by Stroke	50~550 mm	600	300
	600 mm	550	270
	650 mm	460	220
	700 mm	400	200

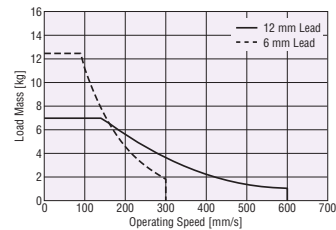
- For the specifications and characteristics for 48 VDC input, contact the nearest Oriental Motor sales office.
- Holding force is lost while power is not supplied, and loads and external force in the vertical direction cannot be maintained. Choose the type with electromagnetic brake for vertical drive.
- The maximum speed may decrease depending on the ambient temperature and motor cable length.

Operating Speed – Load Mass

● Horizontal Direction Installation (Acceleration of 3 m/s²)



● Vertical Direction Installation (Acceleration of 2 m/s²)



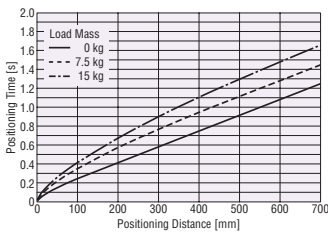
Positioning Distance – Positioning Time

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

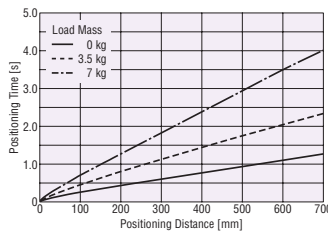
A reference value for the positioning time can be calculated by multiplying the positioning time calculated from the graph with the positioning time coefficient for the applicable stroke.

● 12 mm Lead

◇ Horizontal Direction Installation



◇ Vertical Direction Installation

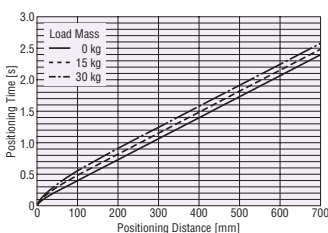


Positioning Time Coefficient

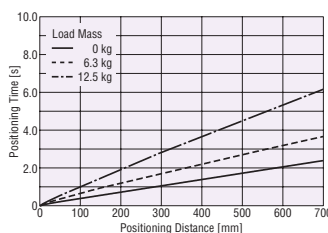
Stroke [mm]	Load Mass					
	Horizontal Direction Installation			Vertical Direction Installation		
	0 kg	7.5 kg	15 kg	0 kg	3.5 kg	7 kg
50~550	1.0	1.0	1.0	1.0	1.0	1.0
600	1.1	1.0	1.0	1.1	1.0	1.0
650	1.2	1.1	1.1	1.2	1.0	1.0
700	1.4	1.3	1.2	1.4	1.0	1.0

● 6 mm Lead

◇ Horizontal Direction Installation



◇ Vertical Direction Installation



Positioning Time Coefficient

Stroke [mm]	Load Mass					
	Horizontal Direction Installation			Vertical Direction Installation		
	0 kg	15 kg	30 kg	0 kg	6.3 kg	12.5 kg
50~550	1.0	1.0	1.0	1.0	1.0	1.0
600	1.1	1.1	1.1	1.1	1.0	1.0
650	1.3	1.3	1.3	1.3	1.0	1.0
700	1.5	1.4	1.4	1.5	1.0	1.0

Note

- The starting speed should be 6 mm/s or less.

Dimensions Motorized Linear Slides → Page 35

EZS6: Width 74 mm × Height 66.5 mm

Standard Type/Side-Mounted Type/
Clean Room Compatible

AC Power Supply Input

Motorized
Linear
Slides

QSTEP
AZ/AR
Equipped
EZS

Motorized
Cylinders

QSTEP
AZ/AR
Equipped
EAC

Accessories

Product Number Code

Product Series	Motor Installing Direction*1	Direction of Suction Fittings*2	Lead	Stroke	Installed Motor	Motor Shape	Power Supply Input	Driver Type	Connection Cable*3
EZS6		CR	D	005	AZ	A	A	D	-1
EZS6	L: Left Side Mounted R: Right Side Mounted Blank: Standard	CL: Left Sided Suction Fitting CR: Right Sided Suction Fitting	D: 12 mm E: 6 mm	005: 50 mm 010: 100 mm 015: 150 mm ~ 085: 850 mm (50 mm increments)	AZ Series	A: Single Shaft M: With Electromagnetic Brake	A: Single-Phase 100-120 VAC C: Single-Phase/Three-Phase 200-240 VAC	D: Built-in Controller Type Blank: Pulse Input Type	Number: Included Connection Cable Length -1: 1 m -2: 2 m -3: 3 m Blank: Connection Cable Not Included

*1 Only standard types are clean room compatible.

*2 Specify suction fitting directions for clean room compatible products.

*3 Connection cables with a length of more than 3 m are available as accessories (sold separately). Connection Cable Sets → Page 102

Motorized Cylinder Specifications

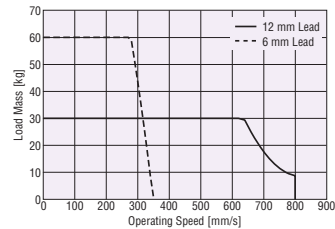
Lead	mm	12	6
Electromagnetic Brake (Power off activated type)		Equipped	Not provided
Drive System		Ball screw	
Repetitive Positioning Accuracy	mm	±0.02	
Minimum Traveling Amount	mm	0.01	
Traveling Parallelism	mm	0.03	
Permissible Moment	Dynamic Permissible Moment	Mp: 45.7 Mr: 37.5 Mr: 55.6	
	Static Permissible Moment	Ms: 290.0 Ms: 187.0 Ms: 340.0	
Transportable Mass	Horizontal	~30	~60
	Vertical	~15	~30
Thrust	N	~200	~400 [~360]
Pushing Force	N	400	500
Holding Force	N	200	400 [360]
Maximum Speed by Stroke	50~550 mm	800	400
	600 mm		350
	650 mm	640	300
	700 mm	550	260
	750 mm	470	230
	800 mm	420	200
850 mm	360	180	

● [] indicate specifications for the side-mounted type.

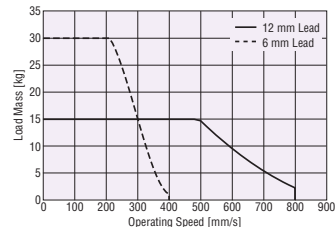
● Holding force is lost while power is not supplied, and loads and external force in the vertical direction cannot be maintained. Choose the type with electromagnetic brake for vertical drive.

Operating Speed – Load Mass

Horizontal Direction Installation (Acceleration of 3 m/s²)



Vertical Direction Installation (Acceleration of 2 m/s²)



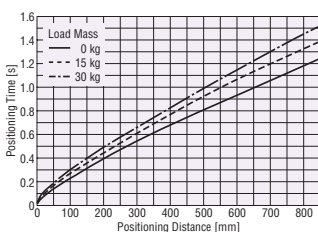
Positioning Distance – Positioning Time

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

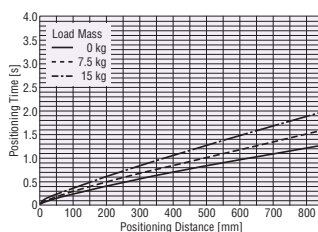
A reference value for the positioning time can be calculated by multiplying the positioning time calculated from the graph with the positioning time coefficient for the applicable stroke.

12 mm Lead

Horizontal Direction Installation

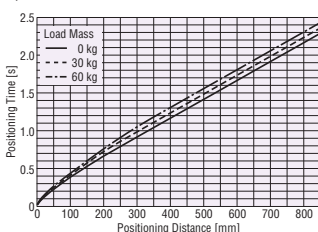


Vertical Direction Installation

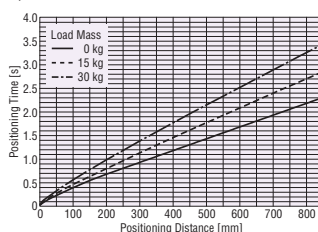


6 mm Lead

Horizontal Direction Installation



Vertical Direction Installation



Positioning Time Coefficient

Stroke [mm]	Load Mass					
	Horizontal Direction Installation			Vertical Direction Installation		
	0 kg	15 kg	30 kg	0 kg	7.5 kg	15 kg
50~600	1.0	1.0	1.0	1.0	1.0	1.0
650	1.1	1.0	1.0	1.1	1.0	1.0
700	1.3	1.1	1.0	1.2	1.1	1.0
750	1.5	1.3	1.2	1.4	1.2	1.0
800	1.6	1.5	1.4	1.6	1.3	1.1
850	1.9	1.7	1.6	1.9	1.5	1.2

Positioning Time Coefficient

Stroke [mm]	Load Mass					
	Horizontal Direction Installation			Vertical Direction Installation		
	0 kg	30 kg	60 kg	0 kg	15 kg	30 kg
50~550	1.0	1.0	1.0	1.0	1.0	1.0
600	1.1	1.1	1.1	1.1	1.0	1.0
650	1.2	1.2	1.2	1.2	1.0	1.0
700	1.4	1.4	1.3	1.4	1.2	1.0
750	1.6	1.6	1.5	1.6	1.3	1.1
800	1.9	1.8	1.7	1.8	1.5	1.3
850	2.1	2.0	2.0	2.1	1.7	1.4

Note

● The starting speed should be 6 mm/s or less.

Dimensions Motorized Linear Slides → Page 36, 37

Product Number Code

Product Series	Motor Installing Direction*1	Direction of Suction Fittings*2	Lead	Stroke	Installed Motor	Motor Shape	Power Supply Input	Driver Type	Connection Cable*3
EZS6		CR	D	005	AZ	A	K	D	-1
EZS6	L : Left Side Mounted R : Right Side Mounted Blank: Standard	CL : Left Sided Suction Fitting CR : Right Sided Suction Fitting	D : 12 mm E : 6 mm	005 : 50 mm 010 : 100 mm 015 : 150 mm ~ 085 : 850 mm (50 mm increments)	AZ Series	A : Single Shaft M : With Electromagnetic Brake	K : 24 VDC/48 VDC	D : Built-in Controller Type Blank: Pulse Input Type	Number: Included Connection Cable Length -1 : 1 m -2 : 2 m -3 : 3 m Blank: Connection Cable Not Included

*1 Only standard types are clean room compatible.

*2 Specify suction fitting directions for clean room compatible products.

*3 Connection cables with a length of more than 3 m are available as accessories (sold separately). Connection Cable Sets → Page 104

Motorized Cylinder Specifications

Lead	mm	12	6
Electromagnetic Brake (Power off activated type)		Equipped	Not provided
Drive System		Ball screw	
Repetitive Positioning Accuracy	mm	±0.02	
Minimum Traveling Amount	mm	0.01	
Traveling Parallelism	mm	0.03	
Permissible Moment	Dynamic Permissible Moment	M _r : 45.7 M _v : 37.5 M _k : 55.6	
	Static Permissible Moment	M _r : 290.0 M _v : 187.0 M _k : 340.0	
Transportable Mass	Horizontal	~30	~60
	Vertical	~15	~30
Thrust	N	~200	~400 [~360]
Pushing Force	N	400	500
Holding Force	N	200	400 [360]
Maximum Speed by Stroke	50~650 mm	600	300
	700 mm	550	260
	750 mm	470	230
	800 mm	420	200
	850 mm	360	180

● [] indicate specifications for the side-mounted type.

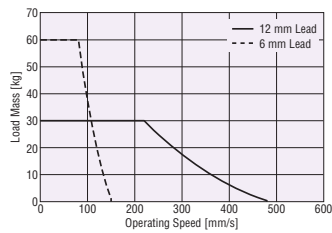
● For the specifications and characteristics for 48 VDC input, contact the nearest Oriental Motor sales office.

● Holding force is lost while power is not supplied, and loads and external force in the vertical direction cannot be maintained. Choose the type with electromagnetic brake for vertical drive.

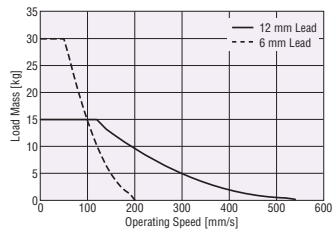
● The maximum speed may decrease depending on the ambient temperature and motor cable length.

Operating Speed – Load Mass

Horizontal Direction Installation (Acceleration of 3 m/s²)



Vertical Direction Installation (Acceleration of 2 m/s²)



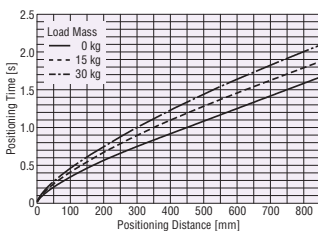
Positioning Distance – Positioning Time

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

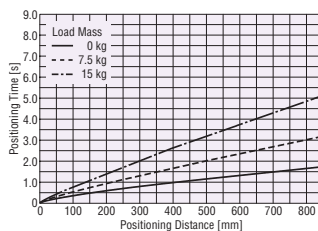
A reference value for the positioning time can be calculated by multiplying the positioning time calculated from the graph with the positioning time coefficient for the applicable stroke.

12 mm Lead

Horizontal Direction Installation



Vertical Direction Installation

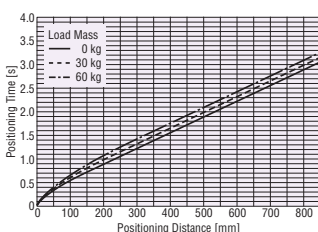


Positioning Time Coefficient

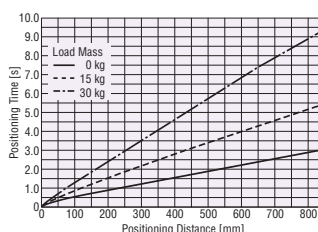
Stroke [mm]	Load Mass					
	Horizontal Direction Installation			Vertical Direction Installation		
	0 kg	15 kg	30 kg	0 kg	7.5 kg	15 kg
50~650	1.0	1.0	1.0	1.0	1.0	1.0
700	1.0	1.0	1.0	1.0	1.0	1.0
750	1.2	1.1	1.0	1.1	1.0	1.0
800	1.3	1.2	1.1	1.2	1.0	1.0
850	1.5	1.3	1.2	1.4	1.0	1.0

6 mm Lead

Horizontal Direction Installation



Vertical Direction Installation



Positioning Time Coefficient

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

Note

● The starting speed should be 6 mm/s or less.

Power Supply Input Specifications

AC Power Supply Input Driver

Product Name		EZS3, EZS4	EZS6	
Main Power Supply Input	Voltage and Frequency	Single-Phase 100-120 VAC, Single-Phase/Three-Phase 200-240 VAC -15~+6% 50/60 Hz		
	Input Current A	Single-Phase 100-120 VAC	2.7	3.8
		Single-Phase 200-240 VAC	1.7	2.3
		Three-Phase 200-240 VAC	1	1.4
Control Power Source	Voltage	24 VDC±5%*		
	Input Current A	Without Electromagnetic Brake	0.25	0.25
		With Electromagnetic Brake	0.33	0.5

*For the electromagnetic brake type, the 24 VDC±4% specification applies if the wiring distance between the motor and driver is extended by 20 m using a cable.

DC Power Supply Input Driver

Product Name		EZS3, EZS4	EZS6
Power Supply Input	Voltage	24 VDC±5%* 48 VDC±5%	
	Input Current A	Without Electromagnetic Brake	1.72
With Electromagnetic Brake		1.8	3.8

Electromagnetic Brake Specifications

Product Name		EZS3, EZS4	EZS6
Type		Power off activated type	
Power Supply Voltage		24 VDC±5%*	
Power Supply Current	A	0.08	0.25
Brake Activate Time	ms	20	
Brake Release Time	ms	30	
Time Rating		Continuous	

*For the electromagnetic brake type, the 24 VDC±4% specification applies if the wiring distance between the motor and driver is extended by 20 m using a cable.

General Specifications

Motor Specifications

AC Power Supply Input:  DC Power Supply Input: 

Product Name		AC Power Supply Input	DC Power Supply Input
Heat-resistant Class		130 (B) [Recognized as 105 (A) by UL.]	
Insulation Resistance		The measured value is 100 MΩ or more when a 500 VDC megger is applied between the following locations: · Case – Motor Windings · Case – Electromagnetic Brake Windings*1	
Dielectric Strength Voltage		No abnormality is found with the following application for 1 minute: · Case – Motor Windings 1.5 kVAC 50 Hz or 60 Hz · Case – Electromagnetic Brake Windings*1 1.5 kVAC 50 Hz or 60 Hz	No abnormality is found with the following application for 1 minute: · Case – Motor Windings 1.0 kVAC 50 Hz or 60 Hz · Case – Electromagnetic Brake Windings*1 1.0 kVAC 50 Hz or 60 Hz
	Operating Environment (In operation)	0~+40°C (Non-freezing)*3 85% or less (Non-condensing) Use in an area without corrosive gases and dust. The product should not be exposed to water, oil or other liquids.	
Degree of Protection*2		IP66 (Excluding installation surfaces and connector locations)	
Range of Multi-rotation Detection Without Power Supplied		±900 rotations (1800 rotations)	

*1 Electromagnetic brake type only

*2 Motor only. Degree of protection of the motorized linear slide is IP20.

*3 Under the Oriental Motor's measurement conditions.

Note

● When measuring insulation resistance or performing a dielectric strength voltage test, be sure to disconnect the motor from the driver beforehand. Also, do not conduct these tests on the ABZO sensor section of the motor.

Driver Specifications

Product Name		AC Power Supply Input		DC Power Supply Input	
		Built-in Controller Type	Pulse Input Type	Built-in Controller Type	Pulse Input Type
Insulation Resistance		The measured value is 100 MΩ or more when a 500 VDC megger is applied between the following locations: · Protective Earth Terminal – Power Supply Terminal · Encoder Connector – Power Supply Terminal · I/O Signal Terminal – Power Supply Terminal		The measured value is 100 MΩ or more when a 500 VDC megger is applied between the following locations: · Protective Earth Terminal – Power Supply Terminal	
	Dielectric Strength Voltage	No abnormality is found with the following application for 1 minute: · Protective Earth Terminal – Power Supply Terminal 1.5 kVAC 50 Hz or 60 Hz · Encoder Connector – Power Supply Terminal 1.8 kVAC 50 Hz or 60 Hz · I/O Signal Terminal – Power Supply Terminal 1.8 kVAC 50 Hz or 60 Hz		-	
Operating Environment (In operation)	Ambient Temperature	0~+55°C (Non-freezing)*		0~+50°C (Non-freezing)	
	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	IP10	IP20	IP10	IP10	
Range of Multi-rotation Detection Without Power Supplied	±900 rotations (1800 rotations)				

*When a heat sink is installed that is equivalent to an aluminum plate size of at least 200×200 mm and 2 mm thickness

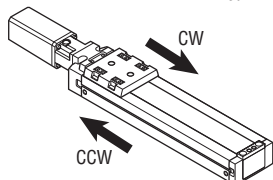
Note

● When measuring insulation resistance or performing a dielectric strength voltage test, be sure to disconnect the motor from the driver beforehand.

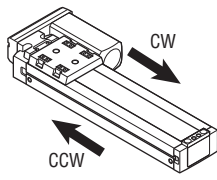
Traveling Direction

The traveling direction of the table is set by default as follows.

Motor Installation: Standard Type



Motor Installation: Side-Mounted Type



Actuator Installation

Since the ABZO sensor is easily affected by magnetism, exercise caution when determining the location to install the motor.

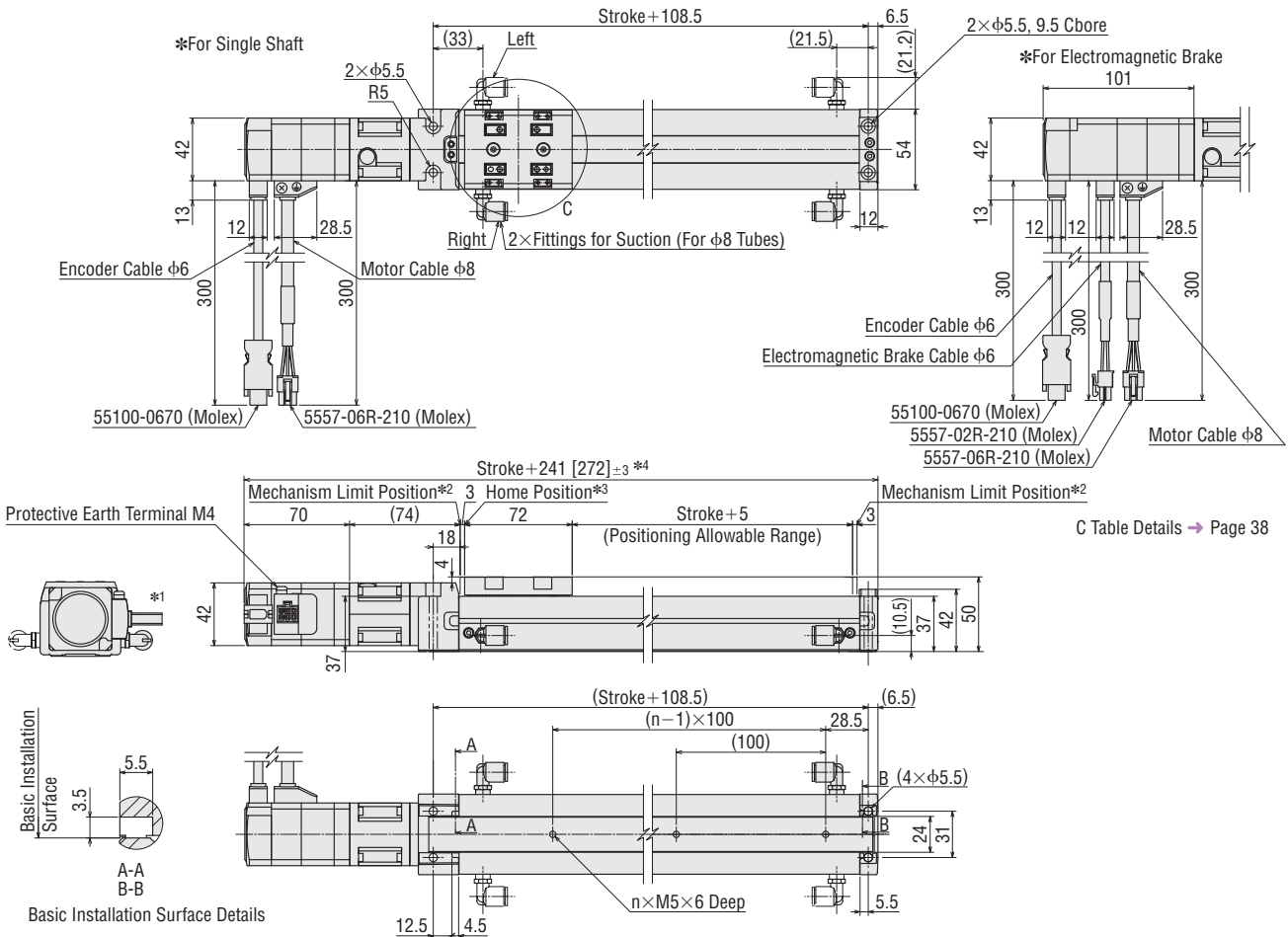
When Installing an Actuator in an Environment in Which a Magnetic Field is Generated

Ensure that the magnetic flux density on the ABZO sensor surface does not exceed 10 mT.

Dimensions (Unit = mm)

Motorized Linear Slides

◇EZS3 Standard Type/Clean Room Compatible



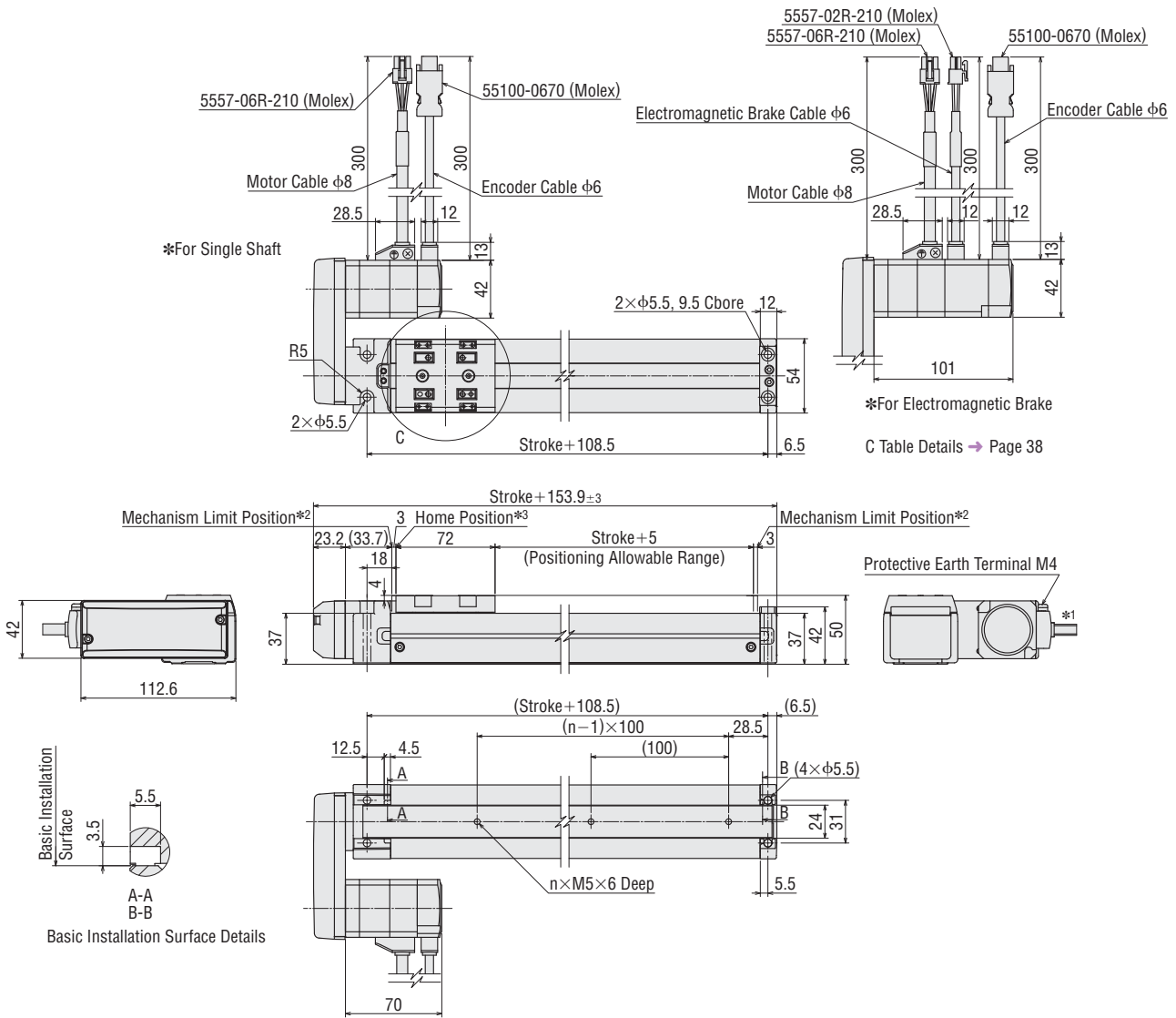
C Table Details → Page 38

- *1 The motor cable outlet direction can be changed in 90° intervals in 4 directions.
- *2 During the pushing return-to-home operation, the table moves to the position limit of the mechanism.
- *3 When using an accessory (sold separately) sensor set, the home position differs.
- *4 [] indicate the value for a product with an electromagnetic brake.
- The above diagram is for clean room compatible products. Fittings for suction are not included for standard types.

Stroke [mm]	50	100	150	200	250	300	350	400	450	500	550	600	650	700	
Hole Coefcient (n)	2	2	3	3	4	4	5	5	6	6	7	7	8	8	
Mass [kg]	Single Shaft	1.6	1.7	1.9	2.0	2.2	2.3	2.5	2.6	2.8	2.9	3.1	3.2	3.4	3.5
	With Electromagnetic Brake	1.7	1.9	2.0	2.2	2.3	2.5	2.6	2.8	2.9	3.1	3.2	3.4	3.5	3.7

● Linear Slide Installation Reference Dimensions → Page 39

◆EZS3 Side-Mounted Type (Left side mounted)



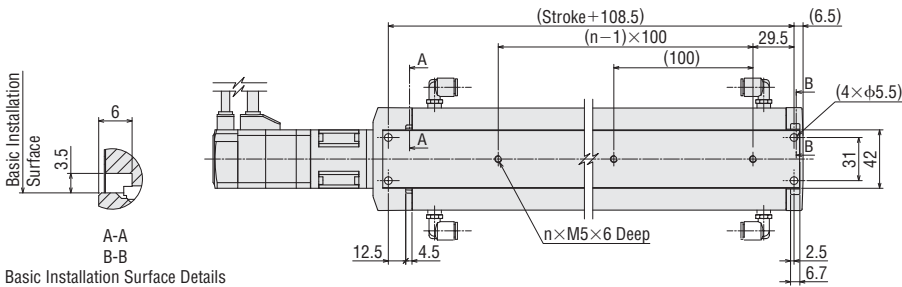
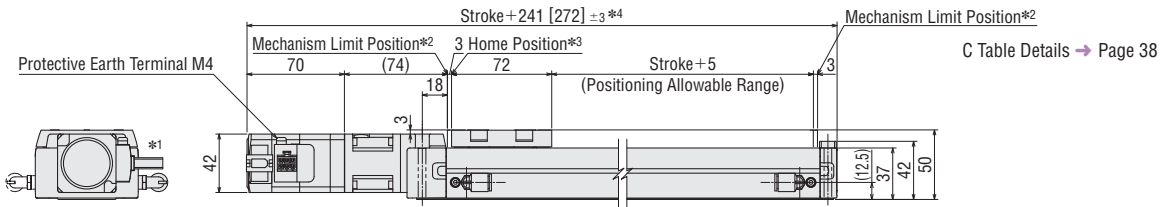
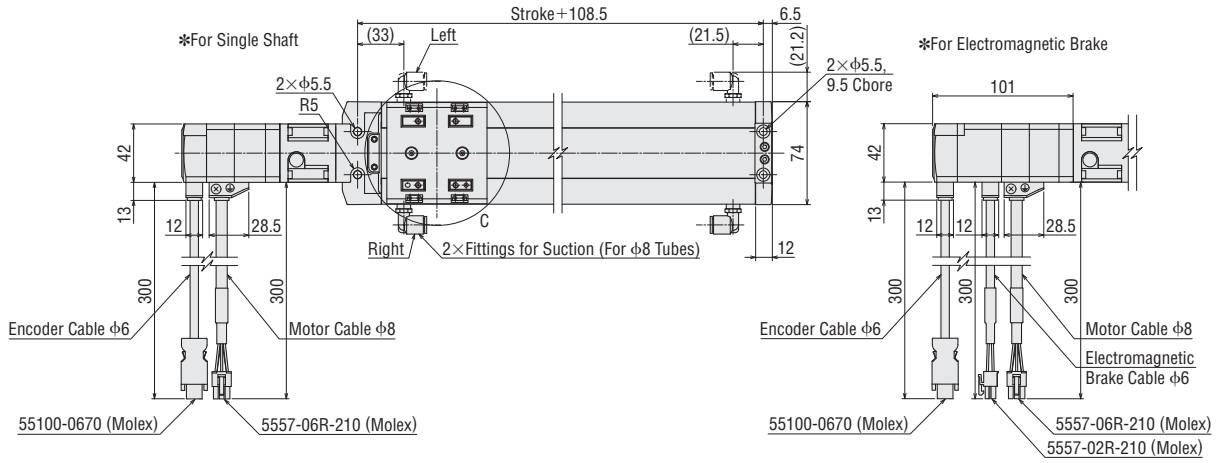
- *1 The motor cable outlet direction can be changed in 90° intervals in 3 directions.
- *2 During the pushing return-to-home operation, the table moves to the position limit of the mechanism.
- *3 When using an accessory (sold separately) sensor set, the home position differs.
- The above figure is an outline drawing of the motor installation direction for the type left side mounted. For the right side mounted type motor, the motor is located on the opposite side if the linear slide is centered.

Stroke [mm]	50	100	150	200	250	300	350	400	450	500	550	600	650	700	
Hole Coeficient (n)	2	2	3	3	4	4	5	5	6	6	7	7	8	8	
Mass [kg]	Single Shaft	1.6	1.7	1.9	2.0	2.2	2.3	2.5	2.6	2.8	2.9	3.1	3.2	3.4	3.5
	With Electromagnetic Brake	1.7	1.9	2.0	2.2	2.3	2.5	2.6	2.8	2.9	3.1	3.2	3.4	3.5	3.7

● Linear Slide Installation Reference Dimensions → Page 39

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

◇EZS4 Standard Type/Clean Room Compatible

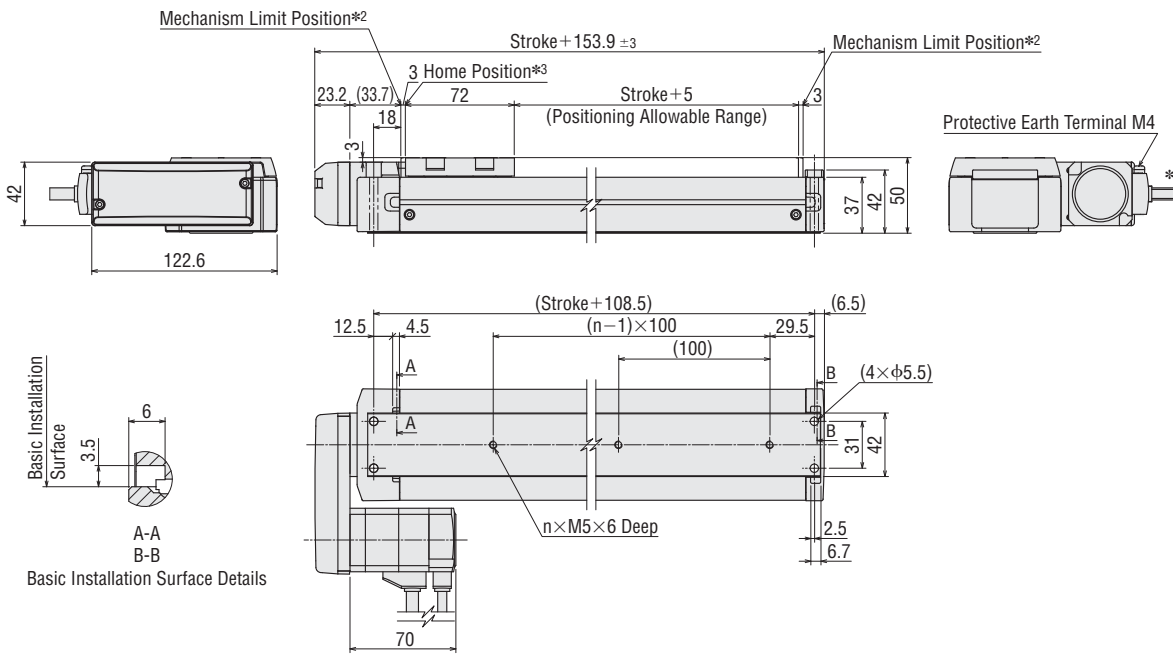
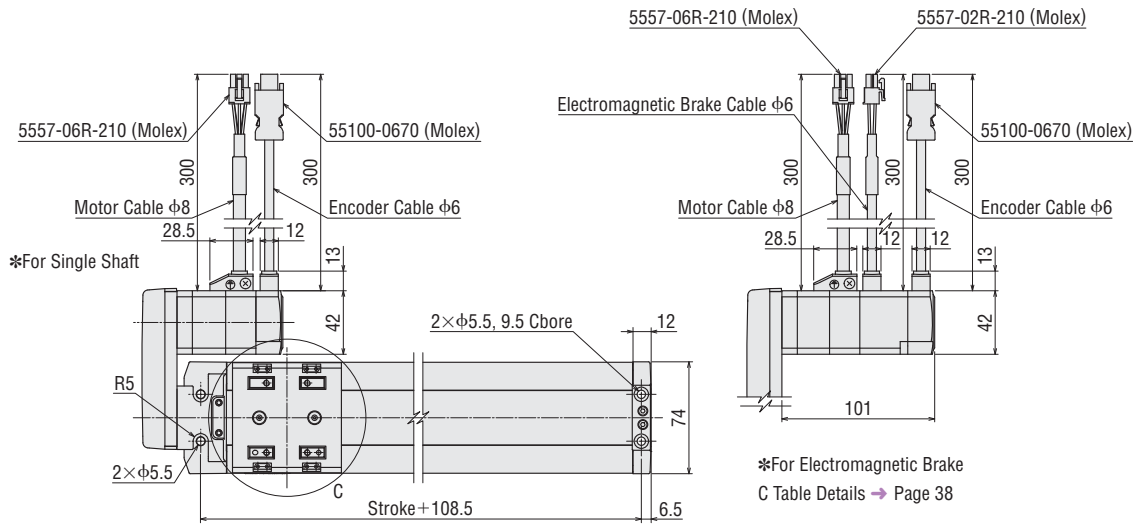


- *1 The motor cable outlet direction can be changed in 90° intervals in 4 directions.
- *2 During the pushing return-to-home operation, the table moves to the position limit of the mechanism.
- *3 When using an accessory (sold separately) sensor set, the home position differs.
- *4 [] indicate the value for a product with an electromagnetic brake.
- The above diagram is for clean room compatible products. Fittings for suction are not included for standard types.

Stroke [mm]	50	100	150	200	250	300	350	400	450	500	550	600	650	700	
Hole Coeficient (n)	2	2	3	3	4	4	5	5	6	6	7	7	8	8	
Mass [kg]	Single Shaft	2.0	2.2	2.5	2.7	2.9	3.2	3.4	3.6	3.8	4.1	4.3	4.5	4.7	5.0
	With Electromagnetic Brake	2.2	2.4	2.6	2.9	3.1	3.3	3.5	3.8	4.0	4.2	4.5	4.7	4.9	5.1

● Linear Slide Installation Reference Dimensions → Page 39

◇EZS4 Side-Mounted Type (Left side mounted)

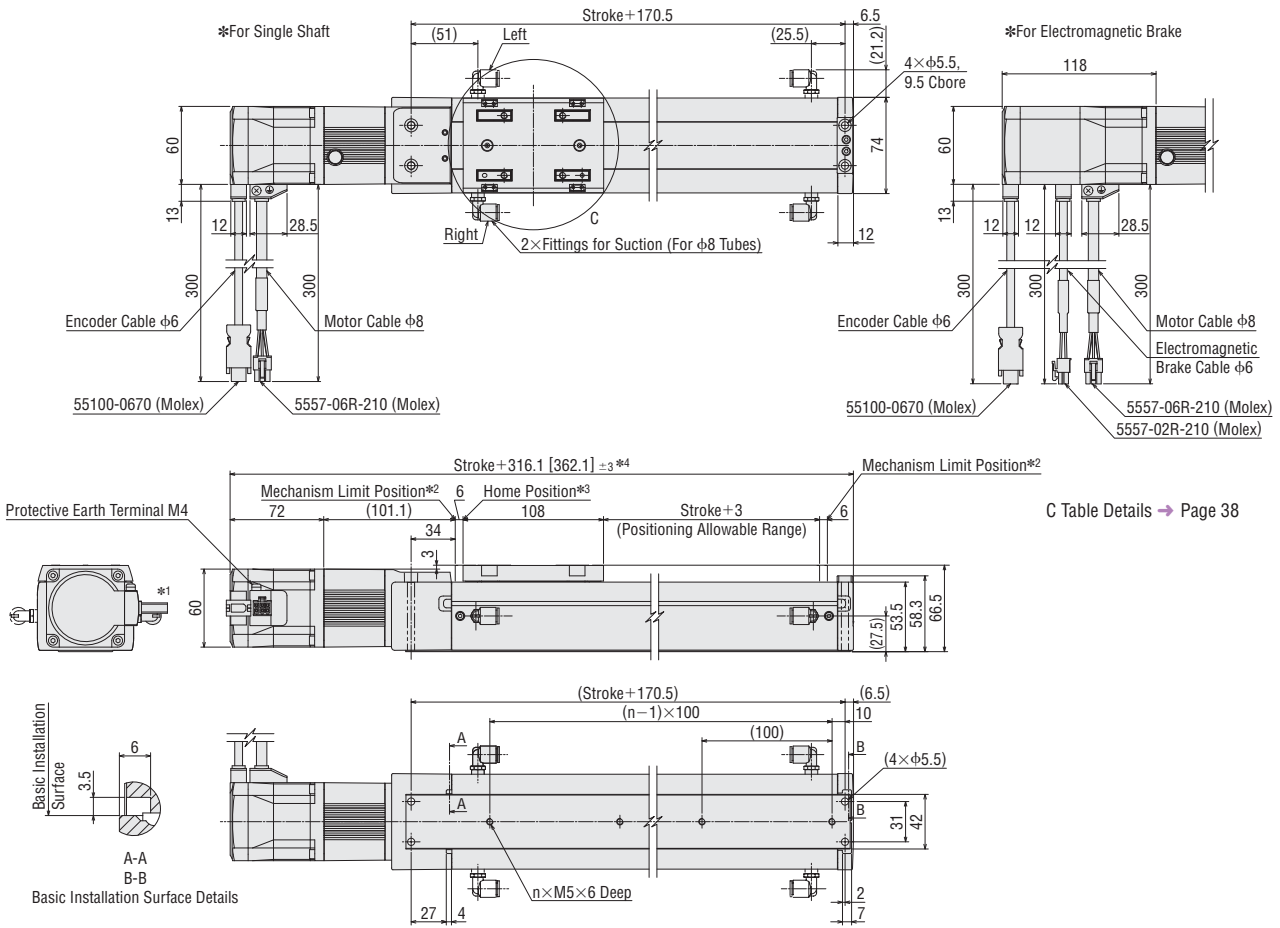


- *1 The motor cable outlet direction can be changed in 90° intervals in 3 directions.
- *2 During the pushing return-to-home operation, the table moves to the position limit of the mechanism.
- *3 When using an accessory (sold separately) sensor set, the home position differs.
- The above figure is an outline drawing of the motor installation direction for the type left side mounted. For the right side mounted type motor, the motor is located on the opposite side if the linear slide is centered.

Stroke [mm]	50	100	150	200	250	300	350	400	450	500	550	600	650	700	
Hole Coefcient (n)	2	2	3	3	4	4	5	5	6	6	7	7	8	8	
Mass [kg]	Single Shaft	2.0	2.2	2.5	2.7	2.9	3.2	3.4	3.6	3.8	4.1	4.3	4.5	4.7	5.0
	With Electromagnetic Brake	2.2	2.4	2.6	2.9	3.1	3.3	3.5	3.8	4.0	4.2	4.5	4.7	4.9	5.1

● Linear Slide Installation Reference Dimensions → Page 39

◇EZS6 Standard Type/Clean Room Compatible



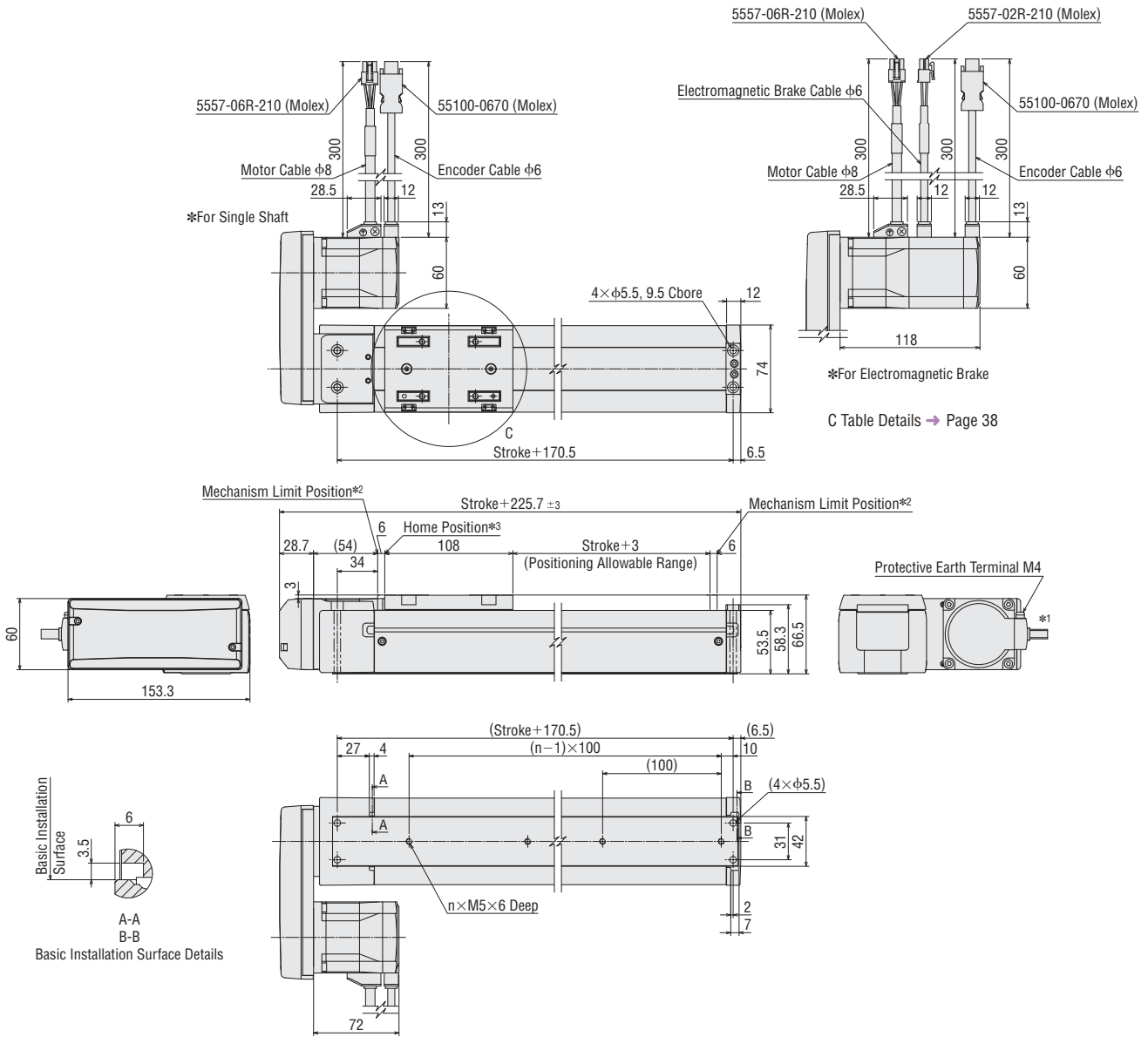
C Table Details → Page 38

- *1 The motor cable outlet direction can be changed in 90° intervals in 4 directions.
- *2 During the pushing return-to-home operation, the table moves to the position limit of the mechanism.
- *3 When using an accessory (sold separately) sensor set, the home position differs.
- *4 [] indicate the value for a product with an electromagnetic brake.
- The above diagram is for clean room compatible products. Fittings for suction are not included for standard types.

Stroke [mm]	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	
Hole Coeficient (n)	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	
Mass [kg]	Single Shaft	3.8	4.1	4.3	4.6	4.8	5.1	5.3	5.6	5.9	6.1	6.4	6.6	6.9	7.1	7.4	7.6	7.9
	With Electromagnetic Brake	4.2	4.4	4.7	5.0	5.2	5.5	5.7	6.0	6.2	6.5	6.8	7.0	7.3	7.5	7.8	8.0	8.3

● Linear Slide Installation Reference Dimensions → Page 39

◇EZS6 Side-Mounted Type (Left side mounted)



- *1 The motor cable outlet direction can be changed in 90° intervals in 3 directions.
- *2 During the pushing return-to-home operation, the table moves to the position limit of the mechanism.
- *3 When using an accessory (sold separately) sensor set, the home position differs.
- The above figure is an outline drawing of the motor installation direction for the type left side mounted. For the right side mounted type motor, the motor is located on the opposite side if the linear slide is centered.

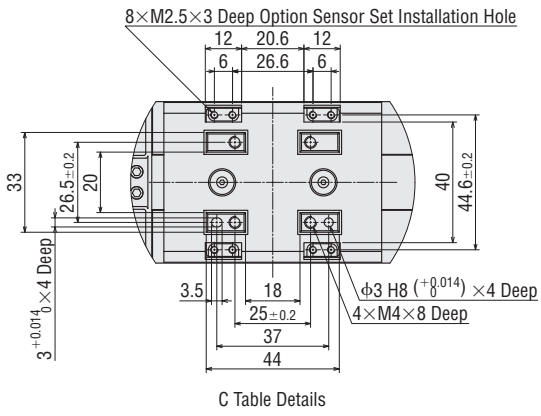
Stroke [mm]	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	
Hole Coefcint (n)	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	
Mass [kg]	Single Shaft	3.8	4.1	4.3	4.6	4.8	5.1	5.3	5.6	5.9	6.1	6.4	6.6	6.9	7.1	7.4	7.6	7.9
	With Electromagnetic Brake	4.2	4.4	4.7	5.0	5.2	5.5	5.7	6.0	6.2	6.5	6.8	7.0	7.3	7.5	7.8	8.0	8.3

● Linear Slide Installation Reference Dimensions → Page 39

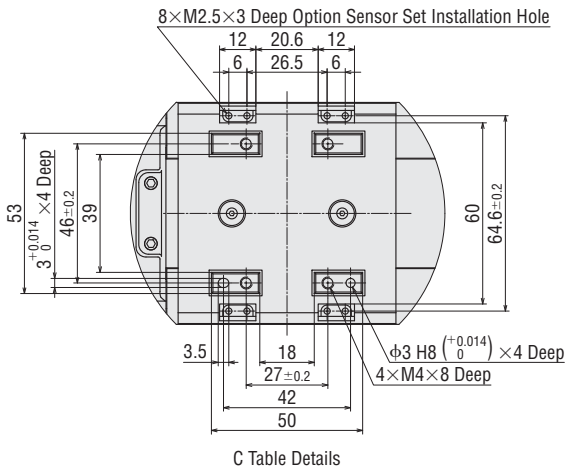
● For CAD data, please download from the Oriental Motor website.
<http://www.orientalmotor.com.sg/>

◇ C Table Details (Unit = mm)

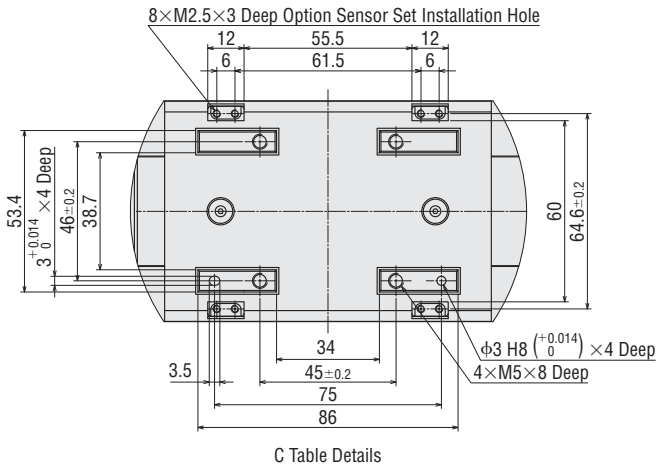
● EZS3



● EZS4

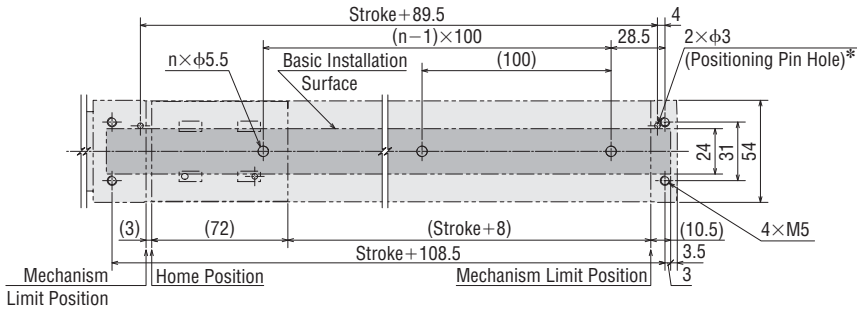


● EZS6



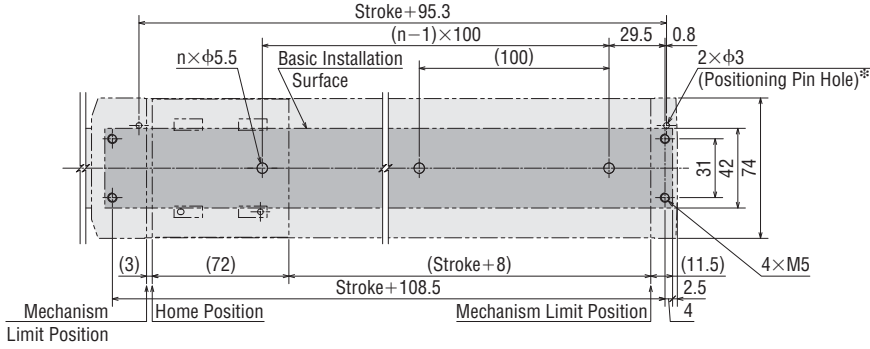
◇ Linear Slide Installation Reference Dimensions (Unit = mm)

● EZS3



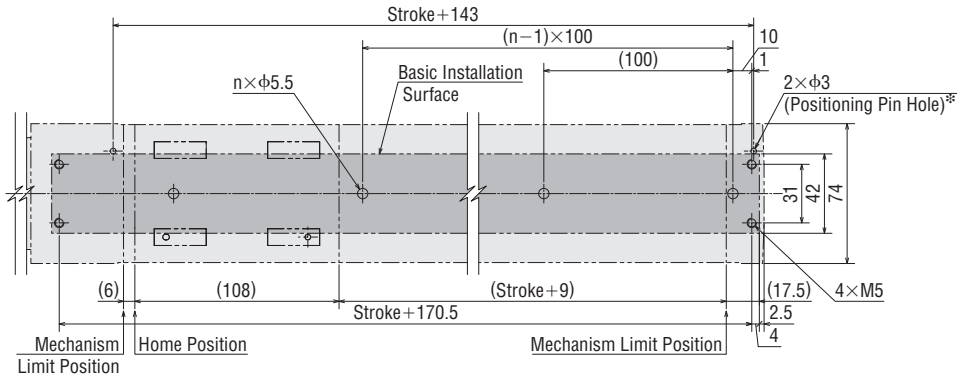
* Both sides of the guide rail can be used as basic installation surfaces. This diagram is for upper thrust.

● EZS4



* Both sides of the guide rail can be used as basic installation surfaces. This diagram is for upper thrust.

● EZS6



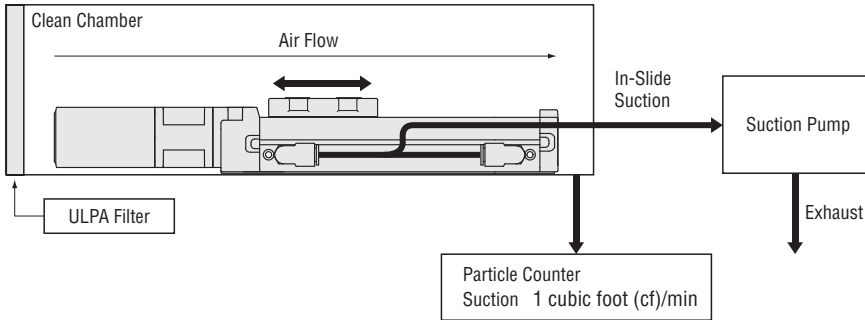
* Both sides of the guide rail can be used as basic installation surfaces. This diagram is for upper thrust.

Dust Amount of Clean Room Compatible Products

The **EZS** Series achieved the ISO standard class 3 (FED standard class 1 equivalent) through enhancement of airtightness by adopting low dust clean grease and stainless sheets.

Measurement Method

Clean level measurements are performed conforming to the "JIS B 9926" standard.

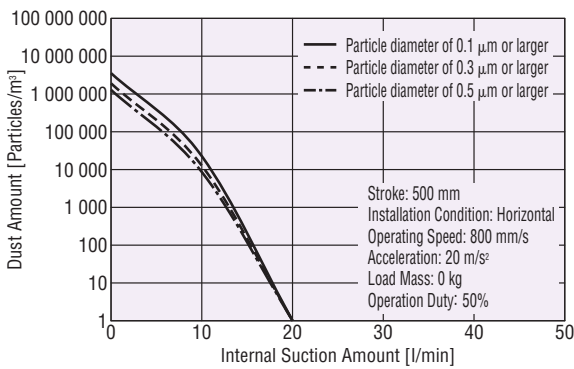


[ISO Standard Class 3]

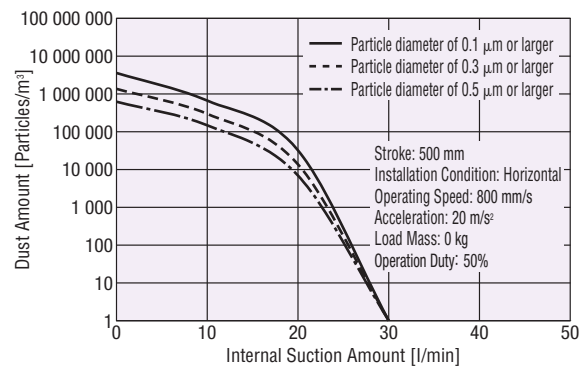
Particle Diameter (μm)	Dust Amount (Particles/m ³)
0.1	1000 or less
0.3	102 or less
0.5	35 or less

Correlation Diagram Between Dust Amount and Suction Amount (Actual sample data)

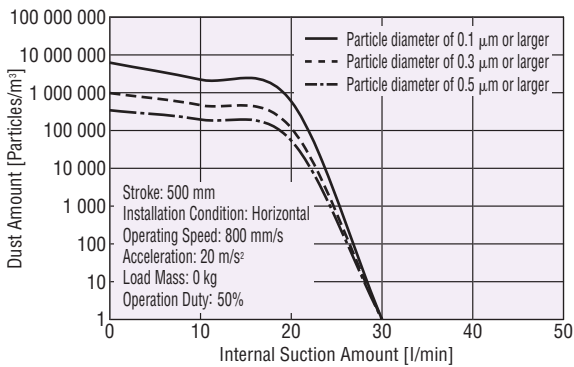
EZS3CL-D050, EZS3CR-D050



EZS4CL-D050, EZS4CR-D050



EZS6CL-D050, EZS6CR-D050

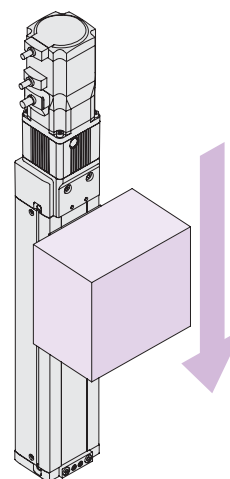


● The product names on each characteristic diagram are described using text that can be identified by the model. Characteristics of **AZ** Series and **AR** Series equipped models are the same.

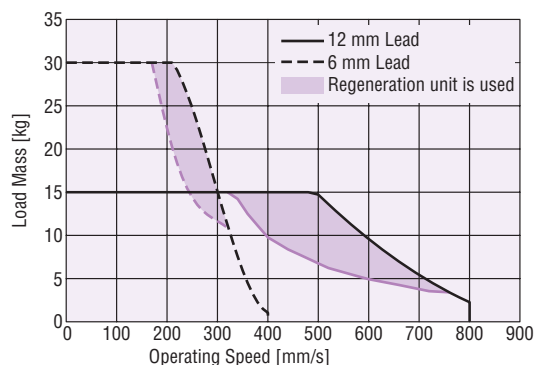
Vertical Drive Using EZS6 (AC power supply input specifications)

If operating **EZS6*** type motorized linear slides in the vertical direction, overvoltage protection alarms may be detected depending on the driving condition. In this case, refer to the following Operating Speed - Load Mass characteristic diagram and connect the regeneration unit **RGB100** (sold separately) to the driver.

*Common between **D** (12 mm lead)/**E** (6 mm lead), standard/side-mounted type/clean room compatible for AC power supply input specifications equipped with **AZ** Series and **AR** Series



Vertical Use Example



Region that requires a regeneration unit of the **EZS6** type (AC power supply input specifications)

Regeneration Unit

The regeneration unit is connected to the driver to release the regenerative power returned from the motor as thermal energy.



Product Line

Product Name	Applicable Product	List Price
RGB100	AZ Series Equipped (AC Power Supply Input)	SGD 56
	AR Series Equipped (AC Power Supply Input)	

Specifications

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

● Install the regeneration unit in the location that has the same heat radiation capability as the heat sink (Material: aluminum, 350×350 mm, thickness 3 mm).

Motorized Linear Slides and Driver Combinations

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

The product name enclosed with () in the motorized linear slide product name is the installed motor product name. When you would like to purchase the installed motor for maintenance, contact the nearest Oriental Motor sales office.

● AC Power Supply Input

◇ Built-in Controller Type

Product Name	Motorized Linear Slide Product Name (Installed motor product name)	Driver Product Name
EZS3 ②- E ⑤- AZA ⑧ D -⑩	EZSM3 ②E ⑤AZAC (AZM46AC)	AZD-⑧D
EZS3 ②- E ⑤- AZM ⑧ D -⑩	EZSM3 ②E ⑤AZMC (AZM46MC)	
EZS3 ②- D ⑤- AZA ⑧ D -⑩	EZSM3 ②D ⑤AZAC (AZM46AC)	
EZS3 ②- D ⑤- AZM ⑧ D -⑩	EZSM3 ②D ⑤AZMC (AZM46MC)	
EZS3 ③- E ⑤- AZA ⑧ D -⑩	EZSM3 ③E ⑤AZAC (AZM46AC)	
EZS3 ③- E ⑤- AZM ⑧ D -⑩	EZSM3 ③E ⑤AZMC (AZM46MC)	
EZS3 ③- D ⑤- AZA ⑧ D -⑩	EZSM3 ③D ⑤AZAC (AZM46AC)	
EZS3 ③- D ⑤- AZM ⑧ D -⑩	EZSM3 ③D ⑤AZMC (AZM46MC)	
EZS4 ②- E ⑤- AZA ⑧ D -⑩	EZSM4 ②E ⑤AZAC (AZM46AC)	
EZS4 ②- E ⑤- AZM ⑧ D -⑩	EZSM4 ②E ⑤AZMC (AZM46MC)	
EZS4 ②- D ⑤- AZA ⑧ D -⑩	EZSM4 ②D ⑤AZAC (AZM46AC)	
EZS4 ②- D ⑤- AZM ⑧ D -⑩	EZSM4 ②D ⑤AZMC (AZM46MC)	
EZS4 ③- E ⑤- AZA ⑧ D -⑩	EZSM4 ③E ⑤AZAC (AZM46AC)	
EZS4 ③- E ⑤- AZM ⑧ D -⑩	EZSM4 ③E ⑤AZMC (AZM46MC)	
EZS4 ③- D ⑤- AZA ⑧ D -⑩	EZSM4 ③D ⑤AZAC (AZM46AC)	
EZS4 ③- D ⑤- AZM ⑧ D -⑩	EZSM4 ③D ⑤AZMC (AZM46MC)	
EZS6 ②- E ⑤- AZA ⑧ D -⑩	EZSM6 ②E ⑤AZAC (AZM66AC)	
EZS6 ②- E ⑤- AZM ⑧ D -⑩	EZSM6 ②E ⑤AZMC (AZM66MC)	
EZS6 ②- D ⑤- AZA ⑧ D -⑩	EZSM6 ②D ⑤AZAC (AZM66AC)	
EZS6 ②- D ⑤- AZM ⑧ D -⑩	EZSM6 ②D ⑤AZMC (AZM66MC)	
EZS6 ③- E ⑤- AZA ⑧ D -⑩	EZSM6 ③E ⑤AZAC (AZM66AC)	
EZS6 ③- E ⑤- AZM ⑧ D -⑩	EZSM6 ③E ⑤AZMC (AZM66MC)	
EZS6 ③- D ⑤- AZA ⑧ D -⑩	EZSM6 ③D ⑤AZAC (AZM66AC)	
EZS6 ③- D ⑤- AZM ⑧ D -⑩	EZSM6 ③D ⑤AZMC (AZM66MC)	

◇ Pulse Input Type

Product Name	Motorized Linear Slide Product Name (Installed motor product name)	Driver Product Name
EZS3 ②- E ⑤- AZA ⑧-⑩	EZSM3 ②E ⑤AZAC (AZM46AC)	AZD-⑧
EZS3 ②- E ⑤- AZM ⑧-⑩	EZSM3 ②E ⑤AZMC (AZM46MC)	
EZS3 ②- D ⑤- AZA ⑧-⑩	EZSM3 ②D ⑤AZAC (AZM46AC)	
EZS3 ②- D ⑤- AZM ⑧-⑩	EZSM3 ②D ⑤AZMC (AZM46MC)	
EZS3 ③- E ⑤- AZA ⑧-⑩	EZSM3 ③E ⑤AZAC (AZM46AC)	
EZS3 ③- E ⑤- AZM ⑧-⑩	EZSM3 ③E ⑤AZMC (AZM46MC)	
EZS3 ③- D ⑤- AZA ⑧-⑩	EZSM3 ③D ⑤AZAC (AZM46AC)	
EZS3 ③- D ⑤- AZM ⑧-⑩	EZSM3 ③D ⑤AZMC (AZM46MC)	
EZS4 ②- E ⑤- AZA ⑧-⑩	EZSM4 ②E ⑤AZAC (AZM46AC)	
EZS4 ②- E ⑤- AZM ⑧-⑩	EZSM4 ②E ⑤AZMC (AZM46MC)	
EZS4 ②- D ⑤- AZA ⑧-⑩	EZSM4 ②D ⑤AZAC (AZM46AC)	
EZS4 ②- D ⑤- AZM ⑧-⑩	EZSM4 ②D ⑤AZMC (AZM46MC)	
EZS4 ③- E ⑤- AZA ⑧-⑩	EZSM4 ③E ⑤AZAC (AZM46AC)	
EZS4 ③- E ⑤- AZM ⑧-⑩	EZSM4 ③E ⑤AZMC (AZM46MC)	
EZS4 ③- D ⑤- AZA ⑧-⑩	EZSM4 ③D ⑤AZAC (AZM46AC)	
EZS4 ③- D ⑤- AZM ⑧-⑩	EZSM4 ③D ⑤AZMC (AZM46MC)	
EZS6 ②- E ⑤- AZA ⑧-⑩	EZSM6 ②E ⑤AZAC (AZM66AC)	
EZS6 ②- E ⑤- AZM ⑧-⑩	EZSM6 ②E ⑤AZMC (AZM66MC)	
EZS6 ②- D ⑤- AZA ⑧-⑩	EZSM6 ②D ⑤AZAC (AZM66AC)	
EZS6 ②- D ⑤- AZM ⑧-⑩	EZSM6 ②D ⑤AZMC (AZM66MC)	
EZS6 ③- E ⑤- AZA ⑧-⑩	EZSM6 ③E ⑤AZAC (AZM66AC)	
EZS6 ③- E ⑤- AZM ⑧-⑩	EZSM6 ③E ⑤AZMC (AZM66MC)	
EZS6 ③- D ⑤- AZA ⑧-⑩	EZSM6 ③D ⑤AZAC (AZM66AC)	
EZS6 ③- D ⑤- AZM ⑧-⑩	EZSM6 ③D ⑤AZMC (AZM66MC)	

● DC Power Supply Input

◇ Built-in Controller Type

Product Name	Motorized Linear Slide Product Name (Installed motor product name)	Driver Product Name
EZS3 ②- E ⑤- AZAKD ⑩	EZSM3 ②E ⑤AZAK (AZM46AK)	AZD-KD
EZS3 ②- E ⑤- AZMKD ⑩	EZSM3 ②E ⑤AZMK (AZM46MK)	
EZS3 ②- D ⑤- AZAKD ⑩	EZSM3 ②D ⑤AZAK (AZM46AK)	
EZS3 ②- D ⑤- AZMKD ⑩	EZSM3 ②D ⑤AZMK (AZM46MK)	
EZS3 ③- E ⑤- AZAKD ⑩	EZSM3 ③E ⑤AZAK (AZM46AK)	
EZS3 ③- E ⑤- AZMKD ⑩	EZSM3 ③E ⑤AZMK (AZM46MK)	
EZS3 ③- D ⑤- AZAKD ⑩	EZSM3 ③D ⑤AZAK (AZM46AK)	
EZS3 ③- D ⑤- AZMKD ⑩	EZSM3 ③D ⑤AZMK (AZM46MK)	
EZS4 ②- E ⑤- AZAKD ⑩	EZSM4 ②E ⑤AZAK (AZM46AK)	
EZS4 ②- E ⑤- AZMKD ⑩	EZSM4 ②E ⑤AZMK (AZM46MK)	
EZS4 ②- D ⑤- AZAKD ⑩	EZSM4 ②D ⑤AZAK (AZM46AK)	
EZS4 ②- D ⑤- AZMKD ⑩	EZSM4 ②D ⑤AZMK (AZM46MK)	
EZS4 ③- E ⑤- AZAKD ⑩	EZSM4 ③E ⑤AZAK (AZM46AK)	
EZS4 ③- E ⑤- AZMKD ⑩	EZSM4 ③E ⑤AZMK (AZM46MK)	
EZS4 ③- D ⑤- AZAKD ⑩	EZSM4 ③D ⑤AZAK (AZM46AK)	
EZS4 ③- D ⑤- AZMKD ⑩	EZSM4 ③D ⑤AZMK (AZM46MK)	
EZS6 ②- E ⑤- AZAKD ⑩	EZSM6 ②E ⑤AZAK (AZM66AK)	
EZS6 ②- E ⑤- AZMKD ⑩	EZSM6 ②E ⑤AZMK (AZM66MK)	
EZS6 ②- D ⑤- AZAKD ⑩	EZSM6 ②D ⑤AZAK (AZM66AK)	
EZS6 ②- D ⑤- AZMKD ⑩	EZSM6 ②D ⑤AZMK (AZM66MK)	
EZS6 ③- E ⑤- AZAKD ⑩	EZSM6 ③E ⑤AZAK (AZM66AK)	
EZS6 ③- E ⑤- AZMKD ⑩	EZSM6 ③E ⑤AZMK (AZM66MK)	
EZS6 ③- D ⑤- AZAKD ⑩	EZSM6 ③D ⑤AZAK (AZM66AK)	
EZS6 ③- D ⑤- AZMKD ⑩	EZSM6 ③D ⑤AZMK (AZM66MK)	

◇ Pulse Input Type

Product Name	Motorized Linear Slide Product Name (Installed motor product name)	Driver Product Name
EZS3 ②- E ⑤- AZAK ⑩	EZSM3 ②E ⑤AZAK (AZM46AK)	AZD-K
EZS3 ②- E ⑤- AZMK ⑩	EZSM3 ②E ⑤AZMK (AZM46MK)	
EZS3 ②- D ⑤- AZAK ⑩	EZSM3 ②D ⑤AZAK (AZM46AK)	
EZS3 ②- D ⑤- AZMK ⑩	EZSM3 ②D ⑤AZMK (AZM46MK)	
EZS3 ③- E ⑤- AZAK ⑩	EZSM3 ③E ⑤AZAK (AZM46AK)	
EZS3 ③- E ⑤- AZMK ⑩	EZSM3 ③E ⑤AZMK (AZM46MK)	
EZS3 ③- D ⑤- AZAK ⑩	EZSM3 ③D ⑤AZAK (AZM46AK)	
EZS3 ③- D ⑤- AZMK ⑩	EZSM3 ③D ⑤AZMK (AZM46MK)	
EZS4 ②- E ⑤- AZAK ⑩	EZSM4 ②E ⑤AZAK (AZM46AK)	
EZS4 ②- E ⑤- AZMK ⑩	EZSM4 ②E ⑤AZMK (AZM46MK)	
EZS4 ②- D ⑤- AZAK ⑩	EZSM4 ②D ⑤AZAK (AZM46AK)	
EZS4 ②- D ⑤- AZMK ⑩	EZSM4 ②D ⑤AZMK (AZM46MK)	
EZS4 ③- E ⑤- AZAK ⑩	EZSM4 ③E ⑤AZAK (AZM46AK)	
EZS4 ③- E ⑤- AZMK ⑩	EZSM4 ③E ⑤AZMK (AZM46MK)	
EZS4 ③- D ⑤- AZAK ⑩	EZSM4 ③D ⑤AZAK (AZM46AK)	
EZS4 ③- D ⑤- AZMK ⑩	EZSM4 ③D ⑤AZMK (AZM46MK)	
EZS6 ②- E ⑤- AZAK ⑩	EZSM6 ②E ⑤AZAK (AZM66AK)	
EZS6 ②- E ⑤- AZMK ⑩	EZSM6 ②E ⑤AZMK (AZM66MK)	
EZS6 ②- D ⑤- AZAK ⑩	EZSM6 ②D ⑤AZAK (AZM66AK)	
EZS6 ②- D ⑤- AZMK ⑩	EZSM6 ②D ⑤AZMK (AZM66MK)	
EZS6 ③- E ⑤- AZAK ⑩	EZSM6 ③E ⑤AZAK (AZM66AK)	
EZS6 ③- E ⑤- AZMK ⑩	EZSM6 ③E ⑤AZMK (AZM66MK)	
EZS6 ③- D ⑤- AZAK ⑩	EZSM6 ③D ⑤AZAK (AZM66AK)	
EZS6 ③- D ⑤- AZMK ⑩	EZSM6 ③D ⑤AZMK (AZM66MK)	

● The following symbols and number are substituted for ②, ③, ⑤, ⑧ and ⑩ in the product names.

- ②: **L** (Left side-mounted) or **R** (Right side-mounted) indicating the motor installation direction is substituted. For the standard type, no symbol is substituted for this.
- ③: **CL** (Left installation) or **CR** (Right installation) that indicates the clean room compatible suction fittings is substituted.
- ⑤: A number indicating the stroke length is substituted.
- ⑧: **A** (Single-Phase 100-120 VAC) or **C** (Single-Phase/Three-Phase 200-240 VAC) indicating the type of power supply voltage is substituted.
- ⑩: A number indicating the length of desired connection cable, if included. **1** (1 m), **2** (2 m) or **3** (3 m) is substituted. If no connection cable is included, the product name does not have -⑩.

Drivers and cables are the same as for **AZ** Series.
For the following content, confirm the equipped motor product name and driver product name before viewing the **AZ** Series product catalog.

- **Driver Specifications**
- **RS-485 Communication Specifications**
- **Dimensions**
- **Connection and Operation**



Motorized Linear Slides EZS Series αSTEP AR Series Equipped

For details, refer to the Oriental Motor website.
<https://www.orientalmotor.com.sg/>

Product Lines and Prices

● AC Power Supply Input

◇ Product Number Code

① Product Series	② Motor Installing Direction	④ Lead	⑤ Stroke	⑥ Installed Motor	⑦ Motor Shape	⑧ Power Supply Input	⑨ Driver Type	⑩ Connection Cable*
EZS4	L	D	005	AR	A	A	D	-1
EZS3 EZS4 EZS6	L: Left Side Mounted R: Right Side Mounted Blank: Standard	D: 12 mm E: 6 mm	005: 50 mm 010: 100 mm 015: 150 mm ~ 085: 850 mm (50 mm increments)	AR Series	A: Single Shaft M: With Electromagnetic Brake	Built-in Controller Type A: Single-Phase 100-120 VAC C: Single-Phase 200-240 VAC Pulse Input Type A: Single-Phase 100-115 VAC C: Single-Phase 200-230 VAC S: Three-Phase 200-230 VAC	D: Built-in Controller Type Blank: Pulse Input Type	Number: Included Connection Cable Length -1: 1 m -2: 2 m -3: 3 m Blank: Connection Cable Not Included

*Connection cables with a length of more than 3 m are available as accessories (sold separately). Connection Cable Sets → Website

◇ EZS3 Standard Type/Side-Mounted Type

The prices are the same even if the ② Motor Installing Direction (L, R, Blank), ④ Lead (D, E), and ⑧ Power Supply Input (A, C, S) are different.

⑦ Motor Shape (A, M)	Built-in Controller Type (D)				Pulse Input Type (Blank)				
	Single Shaft (A)		With Electromagnetic Brake (M)		Single Shaft (A)		With Electromagnetic Brake (M)		
⑩ Connection Cable (1, 2, 3, Blank)	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	
⑤ Stroke	50 mm (005)	SGD 1198	SGD 1160	SGD 1373	SGD 1335	SGD 1135	SGD 1098	SGD 1310	SGD 1273
	100 mm (010)	SGD 1198	SGD 1160	SGD 1373	SGD 1335	SGD 1135	SGD 1098	SGD 1310	SGD 1273
	150 mm (015)	SGD 1223	SGD 1185	SGD 1398	SGD 1360	SGD 1160	SGD 1123	SGD 1335	SGD 1298
	200 mm (020)	SGD 1223	SGD 1185	SGD 1398	SGD 1360	SGD 1160	SGD 1123	SGD 1335	SGD 1298
	250 mm (025)	SGD 1248	SGD 1210	SGD 1423	SGD 1385	SGD 1185	SGD 1148	SGD 1360	SGD 1323
	300 mm (030)	SGD 1248	SGD 1210	SGD 1423	SGD 1385	SGD 1185	SGD 1148	SGD 1360	SGD 1323
	350 mm (035)	SGD 1273	SGD 1235	SGD 1448	SGD 1410	SGD 1210	SGD 1173	SGD 1385	SGD 1348
	400 mm (040)	SGD 1273	SGD 1235	SGD 1448	SGD 1410	SGD 1210	SGD 1173	SGD 1385	SGD 1348
	450 mm (045)	SGD 1298	SGD 1260	SGD 1473	SGD 1435	SGD 1235	SGD 1198	SGD 1410	SGD 1373
	500 mm (050)	SGD 1298	SGD 1260	SGD 1473	SGD 1435	SGD 1235	SGD 1198	SGD 1410	SGD 1373
	550 mm (055)	SGD 1323	SGD 1285	SGD 1498	SGD 1460	SGD 1260	SGD 1223	SGD 1435	SGD 1398
	600 mm (060)	SGD 1323	SGD 1285	SGD 1498	SGD 1460	SGD 1260	SGD 1223	SGD 1435	SGD 1398
	650 mm (065)	SGD 1348	SGD 1310	SGD 1523	SGD 1485	SGD 1285	SGD 1248	SGD 1460	SGD 1423
	700 mm (070)	SGD 1348	SGD 1310	SGD 1523	SGD 1485	SGD 1285	SGD 1248	SGD 1460	SGD 1423

◇ EZS4 Standard Type/Side-Mounted Type

The prices are the same even if the ② Motor Installing Direction (L, R, Blank), ④ Lead (D, E), and ⑧ Power Supply Input (A, C, S) are different.

⑦ Motor Shape (A, M)	Built-in Controller Type (D)				Pulse Input Type (Blank)				
	Single Shaft (A)		With Electromagnetic Brake (M)		Single Shaft (A)		With Electromagnetic Brake (M)		
⑩ Connection Cable (1, 2, 3, Blank)	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	
⑤ Stroke	50 mm (005)	SGD 1235	SGD 1198	SGD 1410	SGD 1373	SGD 1173	SGD 1135	SGD 1348	SGD 1310
	100 mm (010)	SGD 1235	SGD 1198	SGD 1410	SGD 1373	SGD 1173	SGD 1135	SGD 1348	SGD 1310
	150 mm (015)	SGD 1260	SGD 1223	SGD 1435	SGD 1398	SGD 1198	SGD 1160	SGD 1373	SGD 1335
	200 mm (020)	SGD 1260	SGD 1223	SGD 1435	SGD 1398	SGD 1198	SGD 1160	SGD 1373	SGD 1335
	250 mm (025)	SGD 1285	SGD 1248	SGD 1460	SGD 1423	SGD 1223	SGD 1185	SGD 1398	SGD 1360
	300 mm (030)	SGD 1285	SGD 1248	SGD 1460	SGD 1423	SGD 1223	SGD 1185	SGD 1398	SGD 1360
	350 mm (035)	SGD 1310	SGD 1273	SGD 1485	SGD 1448	SGD 1248	SGD 1210	SGD 1423	SGD 1385
	400 mm (040)	SGD 1310	SGD 1273	SGD 1485	SGD 1448	SGD 1248	SGD 1210	SGD 1423	SGD 1385
	450 mm (045)	SGD 1335	SGD 1298	SGD 1510	SGD 1473	SGD 1273	SGD 1235	SGD 1448	SGD 1410
	500 mm (050)	SGD 1335	SGD 1298	SGD 1510	SGD 1473	SGD 1273	SGD 1235	SGD 1448	SGD 1410
	550 mm (055)	SGD 1360	SGD 1323	SGD 1535	SGD 1498	SGD 1298	SGD 1260	SGD 1473	SGD 1435
	600 mm (060)	SGD 1360	SGD 1323	SGD 1535	SGD 1498	SGD 1298	SGD 1260	SGD 1473	SGD 1435
	650 mm (065)	SGD 1385	SGD 1348	SGD 1560	SGD 1523	SGD 1323	SGD 1285	SGD 1498	SGD 1460
	700 mm (070)	SGD 1385	SGD 1348	SGD 1560	SGD 1523	SGD 1323	SGD 1285	SGD 1498	SGD 1460

◇ EZS6 Standard Type/Side-Mounted Type

The prices are the same even if the ② Motor Installing Direction (L, R, Blank), ④ Lead (D, E), and ⑧ Power Supply Input (A, C, S) are different.

⑦ Motor Shape (A, M)	Built-in Controller Type (D)				Pulse Input Type (Blank)				
	Single Shaft (A)		With Electromagnetic Brake (M)		Single Shaft (A)		With Electromagnetic Brake (M)		
⑩ Connection Cable (1, 2, 3, Blank)	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	
⑤ Stroke	50 mm (005)	SGD 1489	SGD 1451	SGD 1714	SGD 1676	SGD 1426	SGD 1389	SGD 1651	SGD 1614
	100 mm (010)	SGD 1489	SGD 1451	SGD 1714	SGD 1676	SGD 1426	SGD 1389	SGD 1651	SGD 1614
	150 mm (015)	SGD 1514	SGD 1476	SGD 1739	SGD 1701	SGD 1451	SGD 1414	SGD 1676	SGD 1639
	200 mm (020)	SGD 1514	SGD 1476	SGD 1739	SGD 1701	SGD 1451	SGD 1414	SGD 1676	SGD 1639
	250 mm (025)	SGD 1539	SGD 1501	SGD 1764	SGD 1726	SGD 1476	SGD 1439	SGD 1701	SGD 1664
	300 mm (030)	SGD 1539	SGD 1501	SGD 1764	SGD 1726	SGD 1476	SGD 1439	SGD 1701	SGD 1664
	350 mm (035)	SGD 1564	SGD 1526	SGD 1789	SGD 1751	SGD 1501	SGD 1464	SGD 1726	SGD 1689
	400 mm (040)	SGD 1564	SGD 1526	SGD 1789	SGD 1751	SGD 1501	SGD 1464	SGD 1726	SGD 1689
	450 mm (045)	SGD 1589	SGD 1551	SGD 1814	SGD 1776	SGD 1526	SGD 1489	SGD 1751	SGD 1714
	500 mm (050)	SGD 1589	SGD 1551	SGD 1814	SGD 1776	SGD 1526	SGD 1489	SGD 1751	SGD 1714
	550 mm (055)	SGD 1614	SGD 1576	SGD 1839	SGD 1801	SGD 1551	SGD 1514	SGD 1776	SGD 1739
	600 mm (060)	SGD 1614	SGD 1576	SGD 1839	SGD 1801	SGD 1551	SGD 1514	SGD 1776	SGD 1739
	650 mm (065)	SGD 1639	SGD 1601	SGD 1864	SGD 1826	SGD 1576	SGD 1539	SGD 1801	SGD 1764
	700 mm (070)	SGD 1639	SGD 1601	SGD 1864	SGD 1826	SGD 1576	SGD 1539	SGD 1801	SGD 1764
	750 mm (075)	SGD 1664	SGD 1626	SGD 1889	SGD 1851	SGD 1601	SGD 1564	SGD 1826	SGD 1789
	800 mm (080)	SGD 1664	SGD 1626	SGD 1889	SGD 1851	SGD 1601	SGD 1564	SGD 1826	SGD 1789
	850 mm (085)	SGD 1689	SGD 1651	SGD 1914	SGD 1876	SGD 1626	SGD 1589	SGD 1851	SGD 1814

● AC Power Supply Input

◇ Product Number Code

① Product Series	③ Direction of Suction Fittings*1	④ Lead	⑤ Stroke	⑥ Installed Motor	⑦ Motor Shape	⑧ Power Supply Input	⑨ Driver Type	⑩ Connection Cable*2
EZS4	CR	D	005	AR	A	A	D	-1
EZS3 EZS4 EZS6	CL: Left Sided Suction Fitting CR: Right Sided Suction Fitting	D: 12 mm E: 6 mm	005: 50 mm 010: 100 mm 015: 150 mm ~ 085: 850 mm (50 mm increments)	AR Series	A: Single Shaft M: With Electromagnetic Brake	Built-in Controller Type A: Single-Phase 100-120 VAC C: Single-Phase 200-240 VAC Pulse Input Type A: Single-Phase 100-115 VAC C: Single-Phase 200-230 VAC S: Three-Phase 200-230 VAC	D: Built-in Controller Type Blank: Pulse Input Type	Number: Included Connection Cable Length -1: 1 m -2: 2 m -3: 3 m Blank: Connection Cable Not Included

*1 Only standard types are clean room compatible. Specify suction fitting directions for clean room compatible products.

*2 Connection cables with a length of more than 3 m are available as accessories (sold separately). Connection Cable Sets → Website

Motorized Linear Slides

Q-STEP AZ/AR Equipped EZS

Motorized Cylinders

Q-STEP AZ/AR Equipped EAC

Accessories

◇ EZS3 Clean Room Compatible

The prices are the same even if the ③ Direction of Suction Fittings (CL, CR), ④ Lead (D, E), and ⑧ Power Supply Input (A, C, S) are different.

⑨ Driver Type (D, Blank)	Built-in Controller Type (D)				Pulse Input Type (Blank)				
	Single Shaft (A)		With Electromagnetic Brake (M)		Single Shaft (A)		With Electromagnetic Brake (M)		
⑦ Motor Shape (A, M)	Single Shaft (A)		With Electromagnetic Brake (M)		Single Shaft (A)		With Electromagnetic Brake (M)		
⑩ Connection Cable (1, 2, 3, Blank)	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	
⑤ Stroke	50 mm (005)	SGD 1323	SGD 1285	SGD 1498	SGD 1460	SGD 1260	SGD 1223	SGD 1435	SGD 1398
	100 mm (010)	SGD 1323	SGD 1285	SGD 1498	SGD 1460	SGD 1260	SGD 1223	SGD 1435	SGD 1398
	150 mm (015)	SGD 1348	SGD 1310	SGD 1523	SGD 1485	SGD 1285	SGD 1248	SGD 1460	SGD 1423
	200 mm (020)	SGD 1348	SGD 1310	SGD 1523	SGD 1485	SGD 1285	SGD 1248	SGD 1460	SGD 1423
	250 mm (025)	SGD 1373	SGD 1335	SGD 1548	SGD 1510	SGD 1310	SGD 1273	SGD 1485	SGD 1448
	300 mm (030)	SGD 1373	SGD 1335	SGD 1548	SGD 1510	SGD 1310	SGD 1273	SGD 1485	SGD 1448
	350 mm (035)	SGD 1398	SGD 1360	SGD 1573	SGD 1535	SGD 1335	SGD 1298	SGD 1510	SGD 1473
	400 mm (040)	SGD 1398	SGD 1360	SGD 1573	SGD 1535	SGD 1335	SGD 1298	SGD 1510	SGD 1473
	450 mm (045)	SGD 1423	SGD 1385	SGD 1598	SGD 1560	SGD 1360	SGD 1323	SGD 1535	SGD 1498
	500 mm (050)	SGD 1423	SGD 1385	SGD 1598	SGD 1560	SGD 1360	SGD 1323	SGD 1535	SGD 1498
	550 mm (055)	SGD 1448	SGD 1410	SGD 1623	SGD 1585	SGD 1385	SGD 1348	SGD 1560	SGD 1523
	600 mm (060)	SGD 1448	SGD 1410	SGD 1623	SGD 1585	SGD 1385	SGD 1348	SGD 1560	SGD 1523
	650 mm (065)	SGD 1473	SGD 1435	SGD 1648	SGD 1610	SGD 1410	SGD 1373	SGD 1585	SGD 1548
	700 mm (070)	SGD 1473	SGD 1435	SGD 1648	SGD 1610	SGD 1410	SGD 1373	SGD 1585	SGD 1548

◇ EZS4 Clean Room Compatible

The prices are the same even if the ③ Direction of Suction Fittings (CL, CR), ④ Lead (D, E), and ⑧ Power Supply Input (A, C, S) are different.

⑨ Driver Type (D, Blank)	Built-in Controller Type (D)				Pulse Input Type (Blank)				
	Single Shaft (A)		With Electromagnetic Brake (M)		Single Shaft (A)		With Electromagnetic Brake (M)		
⑦ Motor Shape (A, M)	Single Shaft (A)		With Electromagnetic Brake (M)		Single Shaft (A)		With Electromagnetic Brake (M)		
⑩ Connection Cable (1, 2, 3, Blank)	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	
⑤ Stroke	50 mm (005)	SGD 1360	SGD 1323	SGD 1535	SGD 1498	SGD 1298	SGD 1260	SGD 1473	SGD 1435
	100 mm (010)	SGD 1360	SGD 1323	SGD 1535	SGD 1498	SGD 1298	SGD 1260	SGD 1473	SGD 1435
	150 mm (015)	SGD 1385	SGD 1348	SGD 1560	SGD 1523	SGD 1323	SGD 1285	SGD 1498	SGD 1460
	200 mm (020)	SGD 1385	SGD 1348	SGD 1560	SGD 1523	SGD 1323	SGD 1285	SGD 1498	SGD 1460
	250 mm (025)	SGD 1410	SGD 1373	SGD 1585	SGD 1548	SGD 1348	SGD 1310	SGD 1523	SGD 1485
	300 mm (030)	SGD 1410	SGD 1373	SGD 1585	SGD 1548	SGD 1348	SGD 1310	SGD 1523	SGD 1485
	350 mm (035)	SGD 1435	SGD 1398	SGD 1610	SGD 1573	SGD 1373	SGD 1335	SGD 1548	SGD 1510
	400 mm (040)	SGD 1435	SGD 1398	SGD 1610	SGD 1573	SGD 1373	SGD 1335	SGD 1548	SGD 1510
	450 mm (045)	SGD 1460	SGD 1423	SGD 1635	SGD 1598	SGD 1398	SGD 1360	SGD 1573	SGD 1535
	500 mm (050)	SGD 1460	SGD 1423	SGD 1635	SGD 1598	SGD 1398	SGD 1360	SGD 1573	SGD 1535
	550 mm (055)	SGD 1485	SGD 1448	SGD 1660	SGD 1623	SGD 1423	SGD 1385	SGD 1598	SGD 1560
	600 mm (060)	SGD 1485	SGD 1448	SGD 1660	SGD 1623	SGD 1423	SGD 1385	SGD 1598	SGD 1560
	650 mm (065)	SGD 1510	SGD 1473	SGD 1685	SGD 1648	SGD 1448	SGD 1410	SGD 1623	SGD 1585
	700 mm (070)	SGD 1510	SGD 1473	SGD 1685	SGD 1648	SGD 1448	SGD 1410	SGD 1623	SGD 1585

◇ EZS6 Clean Room Compatible

The prices are the same even if the ③ Direction of Suction Fittings (CL, CR), ④ Lead (D, E), and ⑧ Power Supply Input (A, C, S) are different.

⑨ Driver Type (D, Blank)	Built-in Controller Type (D)				Pulse Input Type (Blank)				
	Single Shaft (A)		With Electromagnetic Brake (M)		Single Shaft (A)		With Electromagnetic Brake (M)		
⑦ Motor Shape (A, M)	Single Shaft (A)		With Electromagnetic Brake (M)		Single Shaft (A)		With Electromagnetic Brake (M)		
⑩ Connection Cable (1, 2, 3, Blank)	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	
⑤ Stroke	50 mm (005)	SGD 1614	SGD 1576	SGD 1839	SGD 1801	SGD 1551	SGD 1514	SGD 1776	SGD 1739
	100 mm (010)	SGD 1614	SGD 1576	SGD 1839	SGD 1801	SGD 1551	SGD 1514	SGD 1776	SGD 1739
	150 mm (015)	SGD 1639	SGD 1601	SGD 1864	SGD 1826	SGD 1576	SGD 1539	SGD 1801	SGD 1764
	200 mm (020)	SGD 1639	SGD 1601	SGD 1864	SGD 1826	SGD 1576	SGD 1539	SGD 1801	SGD 1764
	250 mm (025)	SGD 1664	SGD 1626	SGD 1889	SGD 1851	SGD 1601	SGD 1564	SGD 1826	SGD 1789
	300 mm (030)	SGD 1664	SGD 1626	SGD 1889	SGD 1851	SGD 1601	SGD 1564	SGD 1826	SGD 1789
	350 mm (035)	SGD 1689	SGD 1651	SGD 1914	SGD 1876	SGD 1626	SGD 1589	SGD 1851	SGD 1814
	400 mm (040)	SGD 1689	SGD 1651	SGD 1914	SGD 1876	SGD 1626	SGD 1589	SGD 1851	SGD 1814
	450 mm (045)	SGD 1714	SGD 1676	SGD 1939	SGD 1901	SGD 1651	SGD 1614	SGD 1876	SGD 1839
	500 mm (050)	SGD 1714	SGD 1676	SGD 1939	SGD 1901	SGD 1651	SGD 1614	SGD 1876	SGD 1839
	550 mm (055)	SGD 1739	SGD 1701	SGD 1964	SGD 1926	SGD 1676	SGD 1639	SGD 1901	SGD 1864
	600 mm (060)	SGD 1739	SGD 1701	SGD 1964	SGD 1926	SGD 1676	SGD 1639	SGD 1901	SGD 1864
	650 mm (065)	SGD 1764	SGD 1726	SGD 1989	SGD 1951	SGD 1701	SGD 1664	SGD 1926	SGD 1889
	700 mm (070)	SGD 1764	SGD 1726	SGD 1989	SGD 1951	SGD 1701	SGD 1664	SGD 1926	SGD 1889
750 mm (075)	SGD 1789	SGD 1751	SGD 2014	SGD 1976	SGD 1726	SGD 1689	SGD 1951	SGD 1914	
800 mm (080)	SGD 1789	SGD 1751	SGD 2014	SGD 1976	SGD 1726	SGD 1689	SGD 1951	SGD 1914	
850 mm (085)	SGD 1814	SGD 1776	SGD 2039	SGD 2001	SGD 1751	SGD 1714	SGD 1976	SGD 1939	

● DC Power Supply Input

◇ Product Number Code

① Product Series	② Motor Installing Direction	④ Lead	⑤ Stroke	⑥ Installed Motor	⑦ Motor Shape	⑧ Power Supply Input	⑨ Driver Type	⑩ Connection Cable*
EZS4	L	D	005	AR	A	K	D	-1
EZS4 EZ54 EZ56	L: Left Side Mounted R: Right Side Mounted Blank: Standard	D: 12 mm E: 6 mm	005: 50 mm 010: 100 mm 015: 150 mm ~ 085: 850 mm (50 mm increments)	AR Series	A: Single Shaft M: With Electromagnetic Brake	K: 24 VDC/48 VDC	D: Built-in Controller Type Blank: Pulse Input Type	Number: Included Connection Cable Length -1: 1 m -2: 2 m -3: 3 m Blank: Connection Cable Not Included

*Connection cables with a length of more than 3 m are available as accessories (sold separately). Connection Cable Sets → Website

◇ EZS3 Standard Type/Side-Mounted Type

The prices are the same even if the ② Motor Installing Direction (L, R, Blank) and ④ Lead (D, E) are different.

⑨ Driver Type (D, Blank)	Built-in Controller Type (D)				Pulse Input Type (Blank)				
	Single Shaft (A)		With Electromagnetic Brake (M)		Single Shaft (A)		With Electromagnetic Brake (M)		
⑦ Motor Shape (A, M)	Included (1, 2, 3)		Blank		Included (1, 2, 3)		Blank		
⑩ Connection Cable (1, 2, 3, Blank)	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	
⑤ Stroke	50 mm (005)	SGD 1010	SGD 973	SGD 1185	SGD 1148	SGD 948	SGD 910	SGD 1123	SGD 1085
	100 mm (010)	SGD 1010	SGD 973	SGD 1185	SGD 1148	SGD 948	SGD 910	SGD 1123	SGD 1085
	150 mm (015)	SGD 1035	SGD 998	SGD 1210	SGD 1173	SGD 973	SGD 935	SGD 1148	SGD 1110
	200 mm (020)	SGD 1035	SGD 998	SGD 1210	SGD 1173	SGD 973	SGD 935	SGD 1148	SGD 1110
	250 mm (025)	SGD 1060	SGD 1023	SGD 1235	SGD 1198	SGD 998	SGD 960	SGD 1173	SGD 1135
	300 mm (030)	SGD 1060	SGD 1023	SGD 1235	SGD 1198	SGD 998	SGD 960	SGD 1173	SGD 1135
	350 mm (035)	SGD 1085	SGD 1048	SGD 1260	SGD 1223	SGD 1023	SGD 985	SGD 1198	SGD 1160
	400 mm (040)	SGD 1085	SGD 1048	SGD 1260	SGD 1223	SGD 1023	SGD 985	SGD 1198	SGD 1160
	450 mm (045)	SGD 1110	SGD 1073	SGD 1285	SGD 1248	SGD 1048	SGD 1010	SGD 1223	SGD 1185
	500 mm (050)	SGD 1110	SGD 1073	SGD 1285	SGD 1248	SGD 1048	SGD 1010	SGD 1223	SGD 1185
	550 mm (055)	SGD 1135	SGD 1098	SGD 1310	SGD 1273	SGD 1073	SGD 1035	SGD 1248	SGD 1210
	600 mm (060)	SGD 1135	SGD 1098	SGD 1310	SGD 1273	SGD 1073	SGD 1035	SGD 1248	SGD 1210
	650 mm (065)	SGD 1160	SGD 1123	SGD 1335	SGD 1298	SGD 1098	SGD 1060	SGD 1273	SGD 1235
	700 mm (070)	SGD 1160	SGD 1123	SGD 1335	SGD 1298	SGD 1098	SGD 1060	SGD 1273	SGD 1235

◇ EZS4 Standard Type/Side-Mounted Type

The prices are the same even if the ② Motor Installing Direction (L, R, Blank) and ④ Lead (D, E) are different.

⑨ Driver Type (D, Blank)	Built-in Controller Type (D)				Pulse Input Type (Blank)				
	Single Shaft (A)		With Electromagnetic Brake (M)		Single Shaft (A)		With Electromagnetic Brake (M)		
⑦ Motor Shape (A, M)	Included (1, 2, 3)		Blank		Included (1, 2, 3)		Blank		
⑩ Connection Cable (1, 2, 3, Blank)	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	
⑤ Stroke	50 mm (005)	SGD 1048	SGD 1010	SGD 1223	SGD 1185	SGD 985	SGD 948	SGD 1160	SGD 1123
	100 mm (010)	SGD 1048	SGD 1010	SGD 1223	SGD 1185	SGD 985	SGD 948	SGD 1160	SGD 1123
	150 mm (015)	SGD 1073	SGD 1035	SGD 1248	SGD 1210	SGD 1010	SGD 973	SGD 1185	SGD 1148
	200 mm (020)	SGD 1073	SGD 1035	SGD 1248	SGD 1210	SGD 1010	SGD 973	SGD 1185	SGD 1148
	250 mm (025)	SGD 1098	SGD 1060	SGD 1273	SGD 1235	SGD 1035	SGD 998	SGD 1210	SGD 1173
	300 mm (030)	SGD 1098	SGD 1060	SGD 1273	SGD 1235	SGD 1035	SGD 998	SGD 1210	SGD 1173
	350 mm (035)	SGD 1123	SGD 1085	SGD 1298	SGD 1260	SGD 1060	SGD 1023	SGD 1235	SGD 1198
	400 mm (040)	SGD 1123	SGD 1085	SGD 1298	SGD 1260	SGD 1060	SGD 1023	SGD 1235	SGD 1198
	450 mm (045)	SGD 1148	SGD 1110	SGD 1323	SGD 1285	SGD 1085	SGD 1048	SGD 1260	SGD 1223
	500 mm (050)	SGD 1148	SGD 1110	SGD 1323	SGD 1285	SGD 1085	SGD 1048	SGD 1260	SGD 1223
	550 mm (055)	SGD 1173	SGD 1135	SGD 1348	SGD 1310	SGD 1110	SGD 1073	SGD 1285	SGD 1248
	600 mm (060)	SGD 1173	SGD 1135	SGD 1348	SGD 1310	SGD 1110	SGD 1073	SGD 1285	SGD 1248
	650 mm (065)	SGD 1198	SGD 1160	SGD 1373	SGD 1335	SGD 1135	SGD 1098	SGD 1310	SGD 1273
	700 mm (070)	SGD 1198	SGD 1160	SGD 1373	SGD 1335	SGD 1135	SGD 1098	SGD 1310	SGD 1273

◇ EZS6 Standard Type/Side-Mounted Type

The prices are the same even if the ② Motor Installing Direction (L, R, Blank) and ④ Lead (D, E) are different.

⑨ Driver Type (D, Blank)	Built-in Controller Type (D)				Pulse Input Type (Blank)				
	Single Shaft (A)		With Electromagnetic Brake (M)		Single Shaft (A)		With Electromagnetic Brake (M)		
⑦ Motor Shape (A, M)	Included (1, 2, 3)		Blank		Included (1, 2, 3)		Blank		
⑩ Connection Cable (1, 2, 3, Blank)	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	
⑤ Stroke	50 mm (005)	SGD 1301	SGD 1264	SGD 1526	SGD 1489	SGD 1239	SGD 1201	SGD 1464	SGD 1426
	100 mm (010)	SGD 1301	SGD 1264	SGD 1526	SGD 1489	SGD 1239	SGD 1201	SGD 1464	SGD 1426
	150 mm (015)	SGD 1326	SGD 1289	SGD 1551	SGD 1514	SGD 1264	SGD 1226	SGD 1489	SGD 1451
	200 mm (020)	SGD 1326	SGD 1289	SGD 1551	SGD 1514	SGD 1264	SGD 1226	SGD 1489	SGD 1451
	250 mm (025)	SGD 1351	SGD 1314	SGD 1576	SGD 1539	SGD 1289	SGD 1251	SGD 1514	SGD 1476
	300 mm (030)	SGD 1351	SGD 1314	SGD 1576	SGD 1539	SGD 1289	SGD 1251	SGD 1514	SGD 1476
	350 mm (035)	SGD 1376	SGD 1339	SGD 1601	SGD 1564	SGD 1314	SGD 1276	SGD 1539	SGD 1501
	400 mm (040)	SGD 1376	SGD 1339	SGD 1601	SGD 1564	SGD 1314	SGD 1276	SGD 1539	SGD 1501
	450 mm (045)	SGD 1401	SGD 1364	SGD 1626	SGD 1589	SGD 1339	SGD 1301	SGD 1564	SGD 1526
	500 mm (050)	SGD 1401	SGD 1364	SGD 1626	SGD 1589	SGD 1339	SGD 1301	SGD 1564	SGD 1526
	550 mm (055)	SGD 1426	SGD 1389	SGD 1651	SGD 1614	SGD 1364	SGD 1326	SGD 1589	SGD 1551
	600 mm (060)	SGD 1426	SGD 1389	SGD 1651	SGD 1614	SGD 1364	SGD 1326	SGD 1589	SGD 1551
	650 mm (065)	SGD 1451	SGD 1414	SGD 1676	SGD 1639	SGD 1389	SGD 1351	SGD 1614	SGD 1576
	700 mm (070)	SGD 1451	SGD 1414	SGD 1676	SGD 1639	SGD 1389	SGD 1351	SGD 1614	SGD 1576
	750 mm (075)	SGD 1476	SGD 1439	SGD 1701	SGD 1664	SGD 1414	SGD 1376	SGD 1639	SGD 1601
	800 mm (080)	SGD 1476	SGD 1439	SGD 1701	SGD 1664	SGD 1414	SGD 1376	SGD 1639	SGD 1601
850 mm (085)	SGD 1501	SGD 1464	SGD 1726	SGD 1689	SGD 1439	SGD 1401	SGD 1664	SGD 1626	

● DC Power Supply Input

◇ Product Number Code

① Product Series	③ Direction of Suction Fittings*1	④ Lead	⑤ Stroke	⑥ Installed Motor	⑦ Motor Shape	⑧ Power Supply Input	⑨ Driver Type	⑩ Connection Cable*2
EZS4	CR	D	005	AR	A	K	D	-1
EZS3 EZS4 EZS6	CL: Left Sided Suction Fitting CR: Right Sided Suction Fitting	D: 12 mm E: 6 mm	005: 50 mm 010: 100 mm 015: 150 mm ~ 085: 850 mm (50 mm increments)	AR Series	A: Single Shaft M: With Electromagnetic Brake	K: 24 VDC/48 VDC	D: Built-in Controller Type Blank: Pulse Input Type	Number: Included Connection Cable Length -1: 1 m -2: 2 m -3: 3 m Blank: Connection Cable Not Included

*1 Only standard types are clean room compatible. Specify suction fitting directions for clean room compatible products.

*2 Connection cables with a length of more than 3 m are available as accessories (sold separately). Connection Cable Sets → Website

Motorized Linear Slides

Q-STEP AZ/AR Equipped EZS

Motorized Cylinders

Q-STEP AZ/AR Equipped EAC

Accessories

◇ EZS3 Clean Room Compatible

The prices are the same even if the ③ Direction of Suction Fittings (CL, CR) and ④ Lead (D, E) are different.

⑨ Driver Type (D, Blank)	Built-in Controller Type (D)				Pulse Input Type (Blank)				
	Single Shaft (A)		With Electromagnetic Brake (M)		Single Shaft (A)		With Electromagnetic Brake (M)		
⑦ Motor Shape (A, M)	Single Shaft (A)		With Electromagnetic Brake (M)		Single Shaft (A)		With Electromagnetic Brake (M)		
⑩ Connection Cable (1, 2, 3, Blank)	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	
⑤ Stroke	50 mm (005)	SGD 1135	SGD 1098	SGD 1310	SGD 1273	SGD 1073	SGD 1035	SGD 1248	SGD 1210
	100 mm (010)	SGD 1135	SGD 1098	SGD 1310	SGD 1273	SGD 1073	SGD 1035	SGD 1248	SGD 1210
	150 mm (015)	SGD 1160	SGD 1123	SGD 1335	SGD 1298	SGD 1098	SGD 1060	SGD 1273	SGD 1235
	200 mm (020)	SGD 1160	SGD 1123	SGD 1335	SGD 1298	SGD 1098	SGD 1060	SGD 1273	SGD 1235
	250 mm (025)	SGD 1185	SGD 1148	SGD 1360	SGD 1323	SGD 1123	SGD 1085	SGD 1298	SGD 1260
	300 mm (030)	SGD 1185	SGD 1148	SGD 1360	SGD 1323	SGD 1123	SGD 1085	SGD 1298	SGD 1260
	350 mm (035)	SGD 1210	SGD 1173	SGD 1385	SGD 1348	SGD 1148	SGD 1110	SGD 1323	SGD 1285
	400 mm (040)	SGD 1210	SGD 1173	SGD 1385	SGD 1348	SGD 1148	SGD 1110	SGD 1323	SGD 1285
	450 mm (045)	SGD 1235	SGD 1198	SGD 1410	SGD 1373	SGD 1173	SGD 1135	SGD 1348	SGD 1310
	500 mm (050)	SGD 1235	SGD 1198	SGD 1410	SGD 1373	SGD 1173	SGD 1135	SGD 1348	SGD 1310
	550 mm (055)	SGD 1260	SGD 1223	SGD 1435	SGD 1398	SGD 1198	SGD 1160	SGD 1373	SGD 1335
	600 mm (060)	SGD 1260	SGD 1223	SGD 1435	SGD 1398	SGD 1198	SGD 1160	SGD 1373	SGD 1335
	650 mm (065)	SGD 1285	SGD 1248	SGD 1460	SGD 1423	SGD 1223	SGD 1185	SGD 1398	SGD 1360
	700 mm (070)	SGD 1285	SGD 1248	SGD 1460	SGD 1423	SGD 1223	SGD 1185	SGD 1398	SGD 1360

◇ EZS4 Clean Room Compatible

The prices are the same even if the ③ Direction of Suction Fittings (CL, CR) and ④ Lead (D, E) are different.

⑨ Driver Type (D, Blank)	Built-in Controller Type (D)				Pulse Input Type (Blank)				
	Single Shaft (A)		With Electromagnetic Brake (M)		Single Shaft (A)		With Electromagnetic Brake (M)		
⑦ Motor Shape (A, M)	Single Shaft (A)		With Electromagnetic Brake (M)		Single Shaft (A)		With Electromagnetic Brake (M)		
⑩ Connection Cable (1, 2, 3, Blank)	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	
⑤ Stroke	50 mm (005)	SGD 1173	SGD 1135	SGD 1348	SGD 1310	SGD 1110	SGD 1073	SGD 1285	SGD 1248
	100 mm (010)	SGD 1173	SGD 1135	SGD 1348	SGD 1310	SGD 1110	SGD 1073	SGD 1285	SGD 1248
	150 mm (015)	SGD 1198	SGD 1160	SGD 1373	SGD 1335	SGD 1135	SGD 1098	SGD 1310	SGD 1273
	200 mm (020)	SGD 1198	SGD 1160	SGD 1373	SGD 1335	SGD 1135	SGD 1098	SGD 1310	SGD 1273
	250 mm (025)	SGD 1223	SGD 1185	SGD 1398	SGD 1360	SGD 1160	SGD 1123	SGD 1335	SGD 1298
	300 mm (030)	SGD 1223	SGD 1185	SGD 1398	SGD 1360	SGD 1160	SGD 1123	SGD 1335	SGD 1298
	350 mm (035)	SGD 1248	SGD 1210	SGD 1423	SGD 1385	SGD 1185	SGD 1148	SGD 1360	SGD 1323
	400 mm (040)	SGD 1248	SGD 1210	SGD 1423	SGD 1385	SGD 1185	SGD 1148	SGD 1360	SGD 1323
	450 mm (045)	SGD 1273	SGD 1235	SGD 1448	SGD 1410	SGD 1210	SGD 1173	SGD 1385	SGD 1348
	500 mm (050)	SGD 1273	SGD 1235	SGD 1448	SGD 1410	SGD 1210	SGD 1173	SGD 1385	SGD 1348
	550 mm (055)	SGD 1298	SGD 1260	SGD 1473	SGD 1435	SGD 1235	SGD 1198	SGD 1410	SGD 1373
	600 mm (060)	SGD 1298	SGD 1260	SGD 1473	SGD 1435	SGD 1235	SGD 1198	SGD 1410	SGD 1373
	650 mm (065)	SGD 1323	SGD 1285	SGD 1498	SGD 1460	SGD 1260	SGD 1223	SGD 1435	SGD 1398
	700 mm (070)	SGD 1323	SGD 1285	SGD 1498	SGD 1460	SGD 1260	SGD 1223	SGD 1435	SGD 1398

◇ EZS6 Clean Room Compatible

The prices are the same even if the ③ Direction of Suction Fittings (CL, CR) and ④ Lead (D, E) are different.

⑨ Driver Type (D, Blank)	Built-in Controller Type (D)				Pulse Input Type (Blank)				
	Single Shaft (A)		With Electromagnetic Brake (M)		Single Shaft (A)		With Electromagnetic Brake (M)		
⑦ Motor Shape (A, M)	Single Shaft (A)		With Electromagnetic Brake (M)		Single Shaft (A)		With Electromagnetic Brake (M)		
⑩ Connection Cable (1, 2, 3, Blank)	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	
⑤ Stroke	50 mm (005)	SGD 1426	SGD 1389	SGD 1651	SGD 1614	SGD 1364	SGD 1326	SGD 1589	SGD 1551
	100 mm (010)	SGD 1426	SGD 1389	SGD 1651	SGD 1614	SGD 1364	SGD 1326	SGD 1589	SGD 1551
	150 mm (015)	SGD 1451	SGD 1414	SGD 1676	SGD 1639	SGD 1389	SGD 1351	SGD 1614	SGD 1576
	200 mm (020)	SGD 1451	SGD 1414	SGD 1676	SGD 1639	SGD 1389	SGD 1351	SGD 1614	SGD 1576
	250 mm (025)	SGD 1476	SGD 1439	SGD 1701	SGD 1664	SGD 1414	SGD 1376	SGD 1639	SGD 1601
	300 mm (030)	SGD 1476	SGD 1439	SGD 1701	SGD 1664	SGD 1414	SGD 1376	SGD 1639	SGD 1601
	350 mm (035)	SGD 1501	SGD 1464	SGD 1726	SGD 1689	SGD 1439	SGD 1401	SGD 1664	SGD 1626
	400 mm (040)	SGD 1501	SGD 1464	SGD 1726	SGD 1689	SGD 1439	SGD 1401	SGD 1664	SGD 1626
	450 mm (045)	SGD 1526	SGD 1489	SGD 1751	SGD 1714	SGD 1464	SGD 1426	SGD 1689	SGD 1651
	500 mm (050)	SGD 1526	SGD 1489	SGD 1751	SGD 1714	SGD 1464	SGD 1426	SGD 1689	SGD 1651
	550 mm (055)	SGD 1551	SGD 1514	SGD 1776	SGD 1739	SGD 1489	SGD 1451	SGD 1714	SGD 1676
	600 mm (060)	SGD 1551	SGD 1514	SGD 1776	SGD 1739	SGD 1489	SGD 1451	SGD 1714	SGD 1676
	650 mm (065)	SGD 1576	SGD 1539	SGD 1801	SGD 1764	SGD 1514	SGD 1476	SGD 1739	SGD 1701
	700 mm (070)	SGD 1576	SGD 1539	SGD 1801	SGD 1764	SGD 1514	SGD 1476	SGD 1739	SGD 1701
	750 mm (075)	SGD 1601	SGD 1564	SGD 1826	SGD 1789	SGD 1539	SGD 1501	SGD 1764	SGD 1726
	800 mm (080)	SGD 1601	SGD 1564	SGD 1826	SGD 1789	SGD 1539	SGD 1501	SGD 1764	SGD 1726
850 mm (085)	SGD 1626	SGD 1589	SGD 1851	SGD 1814	SGD 1564	SGD 1526	SGD 1789	SGD 1751	

Accessories

Accessories Type	Actuator	Driver	Varistor	Fixing Bolt	Connection Cable*1	Connector	Operating Manual
For All Types	1 unit	1 unit	1 pc. (Only with Electromagnetic Brakes of Pulse Input Type DC Power Supply Input)	EZS3, EZS4 M5×45 P0.8 (4 pcs.) EZS6 M5×65 P0.8 (4 pcs.)	<ul style="list-style-type: none"> • Cable for motor • Cable for electromagnetic brake (Electromagnetic brake type only) 	<ul style="list-style-type: none"> • Connector for CN1 (1 pc.) • Connector for CN3 (1 pc.)*2 • Connector for CN5 (1 pc.) • Connector wiring lever (1 pc.)*2 • Connector for CN8 (1 pc.)*3 • Connector for CN9 (1 pc.)*3 	1 set

*1 Only with products supplied with a connection cable

*2 AC power supply input only

*3 Only for built-in controller type

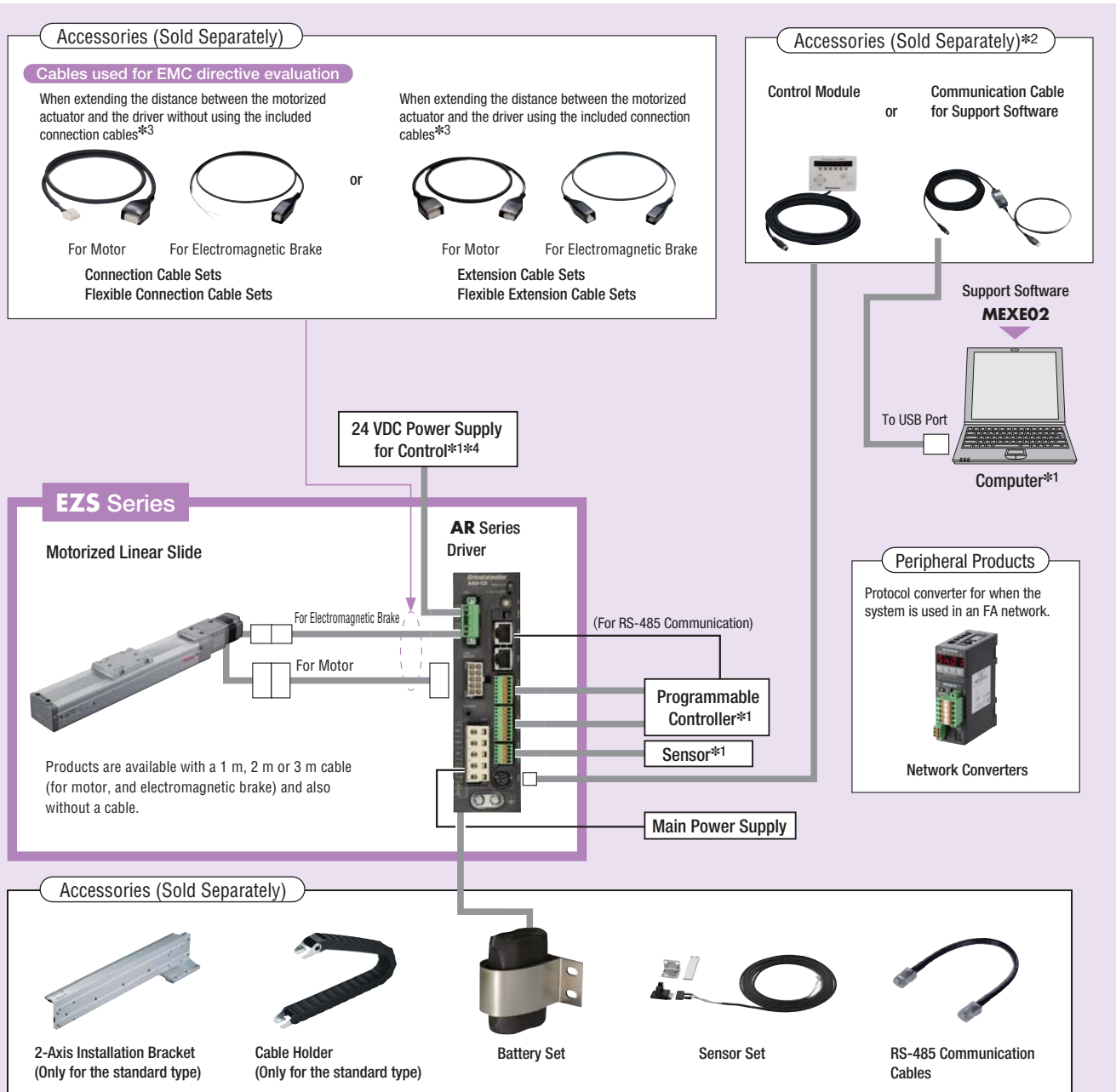
System Configuration

When using a Motorized Actuator with Electromagnetic Brake and a Built-in Controller Type Driver

(AC power supply input and DC power supply input are both indicated. The photo shows a type for AC power supply input.)

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

- *1 Not supplied.
- *2 Required for I/O control drive.
- *3 Only with products supplied with a connection cable.
- *4 A product for DC power supply is unnecessary.



● **MEXE02** can be downloaded from the Oriental Motor website.

● The functions and operation method of this product are common to the hybrid control system **QSTEP AR Series**. For functions and operation methods, confirm the **AR Series** built-in controller type user's manual. The user's manual does not come with the product. Contact the nearest Oriental Motor sales office, or download the user's manual from the Oriental Motor website. <http://www.orientalmotor.com.sg/>

Price Examples of System Configurations

EZS Series	+	Sold Separately
EZS4-D050-ARMCD-1 SGD 1510		Sensor Set PAES-S SGD 135

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

Notes on Detailed Information and Use

Refer to the **Website**

Visit the Oriental Motor website for product details.

<http://www.orientalmotor.com.sg/>

Motorized Linear Slides

QSTEP AZ/AR Equipped EZS

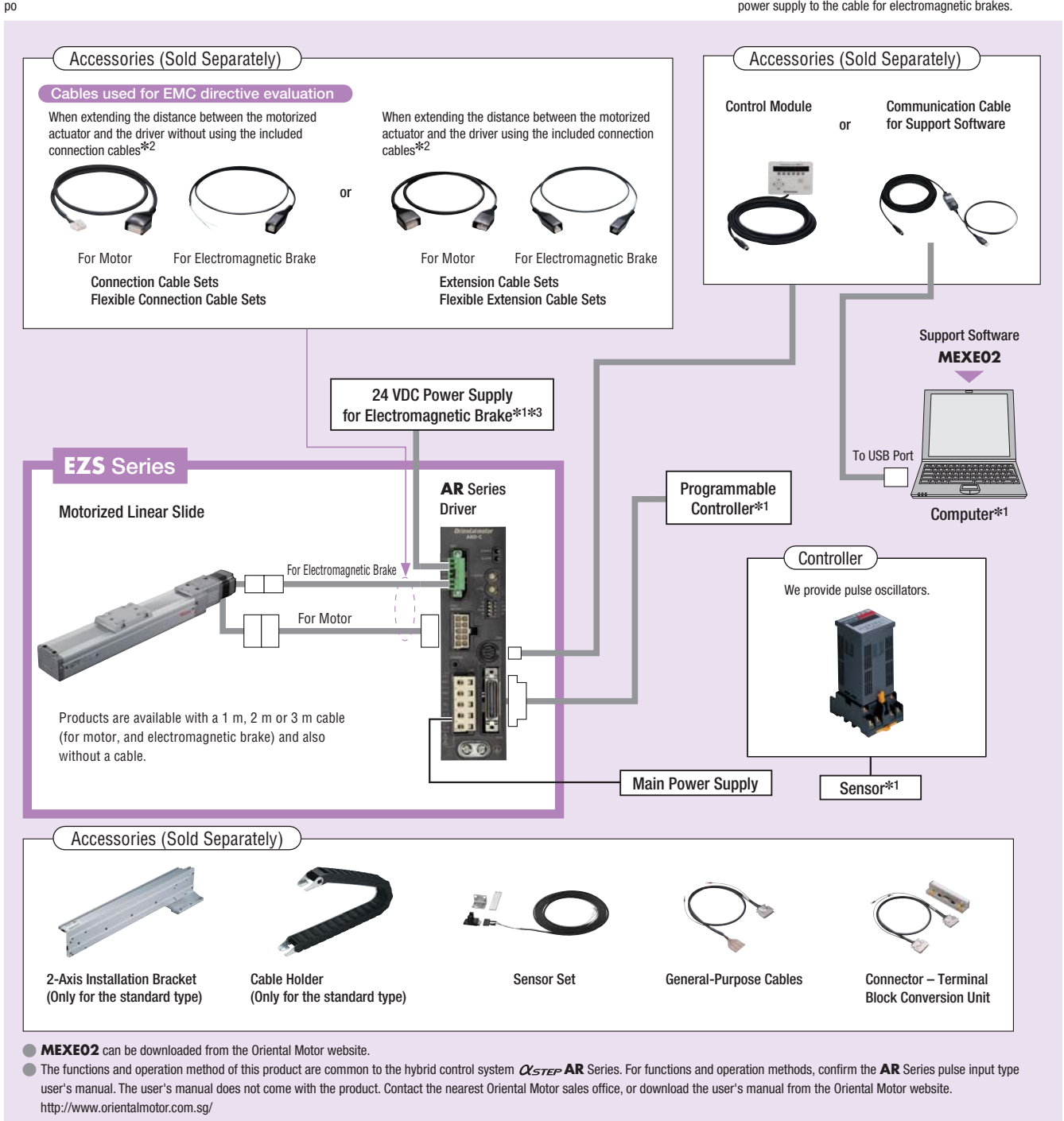
Motorized Cylinders

QSTEP AZ/AR Equipped EAC

Accessories

● When using a Motorized Actuator with Electromagnetic Brake and a Pulse Input Type Driver (AC power supply input and DC power supply input are both indicated. The photo shows a type for AC power supply input.)
The figure below shows a sample configuration of a single axis system which uses a programmable controller (Equipped with a pulse oscillator).

- *1 Not supplied.
- *2 Only with products supplied with a connection cable.
- *3 DC power input products are used by directly wiring the 24 VDC power supply to the cable for electromagnetic brakes.



● Price Examples of System Configurations

EZS Series EZS4-D050-ARMC-1 SGD 1448	+	Sold Separately	
		Sensor Set	Connector – Terminal Block Conversion Unit (1 m)
		PAES-S	CC36T10E
		SGD 135	SGD 218

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

Notes on Detailed Information and Use Refer to the Website

Visit the Oriental Motor website for product details.

<http://www.orientalmotor.com.sg/>

Motorized
Linear
Slides

QSTEP
AZ/AR
Equipped
EZS

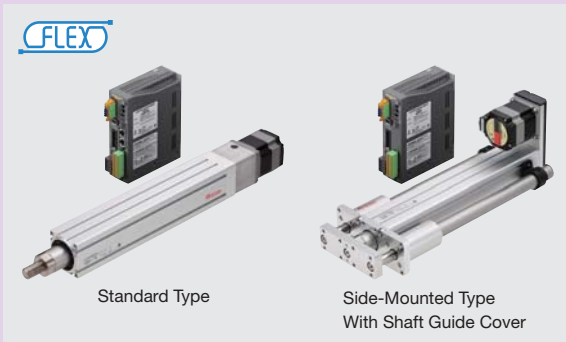
Motorized
Cylinders

QSTEP
AZ/AR
Equipped
EAC

Accessories

Motorized Cylinders EAC Series αSTEP AZ/AR Series Equipped

Visit the Oriental Motor website for technical references, laws, and standards related to this product.



A motorized cylinder equipped with the highly efficient and energy saving αSTEP AZ/AR Series on the motor. Other than standard types, the actuator is available with side-mounted types that contribute to space saving by shortening the full length.

- Compact with a high-thrust force, capable of a wide range of applications
- Performance that is unaffected by operation conditions
- Easy belt exchange (Side-mounted type)

FLEX What is FLEX?

FLEX is a general term of the products that support I/O control, Modbus (RTU) control, and FA network control via a network converter.

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

Features

Compact with a High-Thrust Force Capable of a Wide Range of Applications

● Compact/High-Thrust Cylinder

These motorized cylinders produce high thrust force even though their compact and lightweight bodies use an aluminum rod. The unique structure suppresses vibration to achieve improved acceleration characteristics and high-speed positioning operation.

This diagram is a standard type without shaft guides.

Motor

Equipped with a standard motor.

αSTEP AZ Series

- Battery-less Built-in absolute sensor
- Grasps location information without a sensor
- High reliability with closed loop control
- Reduced motor heat and energy saving due to high efficiency



Built-in Controller Type



Pulse Input Type

αSTEP AR Series

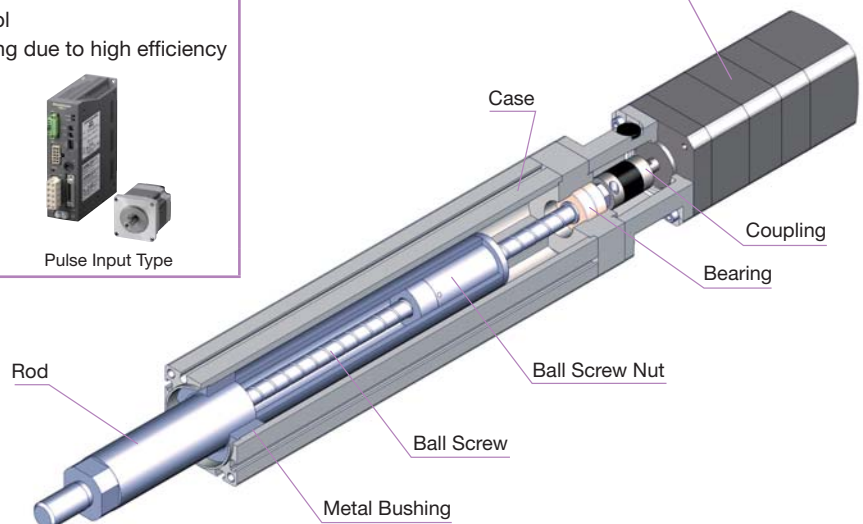
- High reliability with closed loop control
- Reduced motor heat and energy saving due to high efficiency



Built-in Controller Type



Pulse Input Type



● **Cylinder Type and Shape**

Other than standard types, the **EAC** Series is available in side-mounted types. Also, for each type 3 different cylinder shapes are available: models without shaft guide, with shaft guide, and with shaft guide cover.

◇ **Side-Mounted Type**

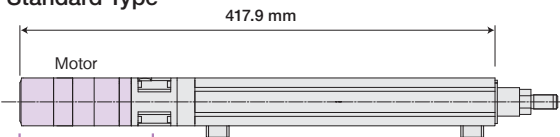
Type with the motor installing direction folded back due to the belt mechanism.



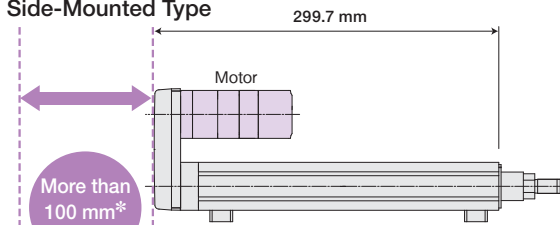
All models applied with motor side-mounted types. These models contribute in reducing the total length and saving space.

αSTEP AZ Series Equipped
EAC4 With Electromagnetic Brake Type Stroke 200 mm

Standard Type

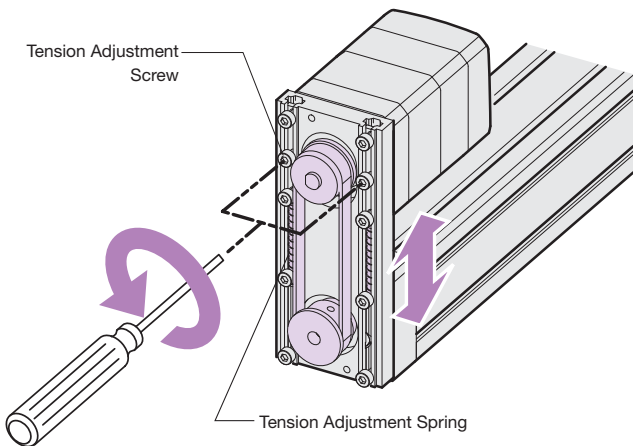


Side-Mounted Type



*For Electromagnetic Brake

The belt is easily replaced using Oriental Motor's unique belt tension adjustment mechanism.

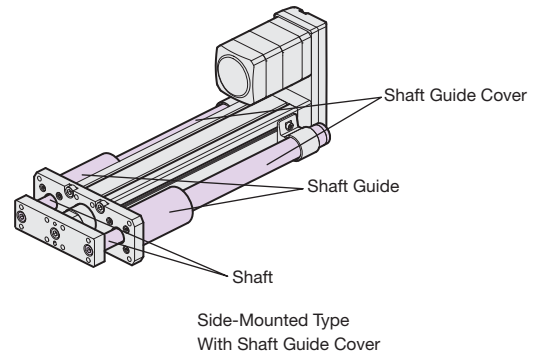


When the screw is loosened, the belt tension is adjusted to the appropriate tension using the force from the spring.

◇ **With Shaft Guide/With Shaft Guide Cover**

Shaft guide and cover equipped type capable of transporting with direct load on the product.

Standard types and side-mounted types are available.



● **Cable Drawing Direction**

Changeable to 4 directions (3 directions for the side-mounted type)

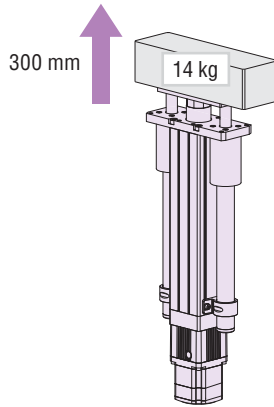
The direction of drawing the motor cable can be changed easily. The cable comes out from the side of the motor, therefore space is saved while no space is required at the back of the motor.



Performance that is Unaffected by Operation Conditions

● Supporting a Wide Range of Speeds and Loads: From Low to High Speed and From Low to High Load
Capable of high speed drive from low to high load.

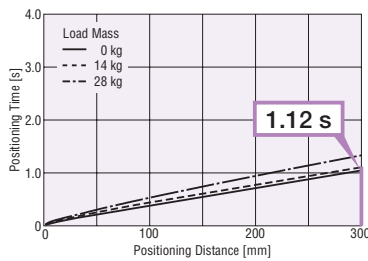
<Product Used>
Product Name: **EAC6WE**
Lead: 6 mm
Power Supply Input: 200 VAC



The positioning time is 1.12 seconds when transporting a load of 14 kg over a distance of 300 mm.

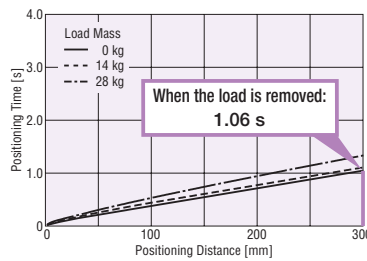
High-speed Drive With Heavy Load

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)



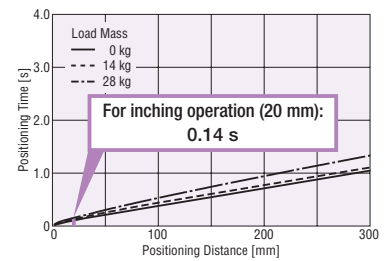
High-speed Drive With Light Load

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 Drive 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)



Preparation of a Positioning Time Calculation Tool

A tool to calculate the positioning time, operating speed, and acceleration through motorized cylinder type selection and simple input is available. It can be downloaded from the Oriental Motor website.
https://www.orientalmotor.com.sg/service/#_10

Lineup

Shaft Guide	Standard Type	Side-Mounted Type
<p>Without Shaft Guide</p> <p>To be compatible with the device of the customer, an external guide is required.</p>		
<p>With Shaft Guide</p> <p>The customer is not required to design or arrange for the parts, therefore reduce the time required to start up the equipment.</p>		
<p>With Shaft Guide Cover</p> <p>The movable parts of the cylinder body are protected, thereby improving the safety of the device. It also helps prevent the spattering of grease on the shaft guide and also prevent the intrusion of foreign matter into linear bushing.</p>		

Motorized Linear Slides

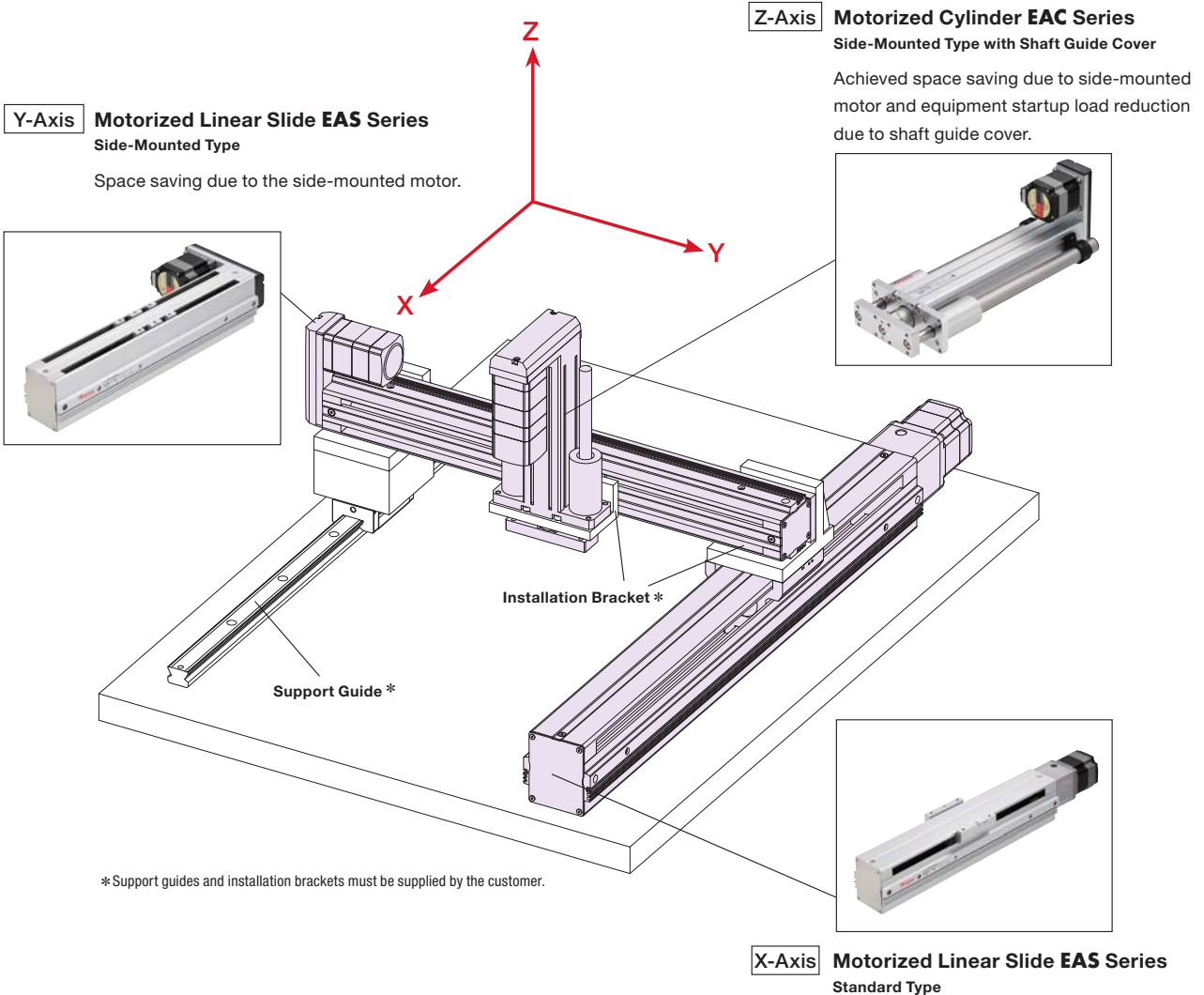
QSTEP AZ/AR Equipped EZS

Motorized Cylinders

QSTEP AZ/AR Equipped EAC

Accessories

● Illustration of Triaxial Device Adopting Motorized Cylinder **EAC** Series on the Z-Axis and Motorized Linear Slide **EAS** Series on the X-Y Axes



How to Read Specifications Table

Using the specifications of the motorized cylinder as example, the method of reading the specifications table is described below.

Motorized Cylinder Specifications

① Lead	mm	12	6
② Electromagnetic Brake (Power off activated type)		Equipped	Not provided
③ Drive System		Ball screw	
④ Repetitive Positioning Accuracy	mm	±0.02	
⑤ Minimum Traveling Amount	mm	0.01	
⑥ Permissible Moment	Dynamic Permissible Moment	Mr: 1.3	Mr: 1.3 Mr: 0.6
	Static Permissible Moment	N-m	Mr: 3.7 Mr: 3.7 Mr: 3.0
⑦ Transportable Mass	Horizontal	kg	~15 ~30
	Vertical		~6 ~13
⑧ Thrust	N	~70	~140
⑨ Pushing Force	N	100	200
⑩ Holding Force	N	70	140
⑪ Maximum Speed	mm/s	600	300

● Some products may have limitations and notes on use.
For details, see notes on respective product pages.

① Lead

Distance the rod moves linearly in one motor rotation.

② Electromagnetic Brake (Power off activated type)

The product has types with and without an electromagnetic brake of power off activated type. Choose the type with electromagnetic brake for vertical drive. (Excluding **EAC2**)

③ Drive System

Mechanism used to convert motor rotation to linear motion.

④ 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 (The repetitive positioning accuracy is measured at a constant temperature under a constant load).

⑤ Minimum Traveling Amount

The minimum traveling amount when the rod travels. (Factory setting)

⑥ 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 3 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.

The static permissible moment is the moment allowed during static conditions.

*Specifications only for those with shaft guide and those with shaft guide cover.

⑦ Transportable Mass

● Horizontal Direction

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

● Vertical Direction

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

⑧ Thrust

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

⑨ Pushing Force

The pressure applied to the load during the pushing operation.

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.

Motorized Cylinders EAC Series α STEP AZ Series Equipped

Visit the Oriental Motor website for technical references, laws, and standards related to this product.

Motorized Linear Slides

α STEP AZ/AR Equipped EZS

Motorized Cylinders

α STEP AZ/AR Equipped EAC

Accessories

Product Lines and Prices

AC Power Supply Input

Product Number Code

① Product Series	② Motor Installing Direction	③ Shaft Guide	④ Lead	⑤ Stroke	⑥ Installed Motor	⑦ Motor Shape	⑧ Power Supply Input	⑨ Driver Type	⑩ Connection Cable*	⑪ Shaft Guide Cover
EAC4	R	W	D	05	AZ	A	A	D	-1	-G
EAC4 EAC6	R : Side-Mounted Motor Blank: Standard	W : With Shaft Guide Blank: Standard	D : 12 mm E : 6 mm	05 : 50 mm 10 : 100 mm 15 : 150 mm ~ 30 : 300 mm (50 mm increments)	AZ Series	A : Single Shaft M : With Electromagnetic Brake	A : Single-Phase 100-120 VAC C : Single-Phase/Three-Phase 200-240 VAC	D : Built-in Controller Type Blank: Pulse Input Type	Number: Included Connection Cable Length -1 : 1 m -2 : 2 m -3 : 3 m Blank: Connection Cable Not Included	-G : With Shaft Guide Cover Blank: Without Shaft Guide Cover

*Connection cables with a length of more than 3 m are available as accessories (sold separately). Connection Cable Sets → Page 102

◇EAC4 Standard Type/Side-Mounted Type

The prices are the same even if the ②Motor Installing Direction (R, Blank), ④Lead (D, E), and ⑧Power Supply Input (A, C) are different.

⑨ Driver Type (D, Blank)	Built-in Controller Type (D)				Pulse Input Type (Blank)				
	Single Shaft (A)		With Electromagnetic Brake (M)		Single Shaft (A)		With Electromagnetic Brake (M)		
⑦ Motor Shape (A, M)	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	
⑩ Connection Cable (1, 2, 3, Blank)	50 mm (05)	SGD 1203	SGD 1165	SGD 1378	SGD 1340	SGD 1140	SGD 1103	SGD 1315	SGD 1278
	100 mm (10)	SGD 1203	SGD 1165	SGD 1378	SGD 1340	SGD 1140	SGD 1103	SGD 1315	SGD 1278
	150 mm (15)	SGD 1215	SGD 1178	SGD 1390	SGD 1353	SGD 1153	SGD 1115	SGD 1328	SGD 1290
	200 mm (20)	SGD 1215	SGD 1178	SGD 1390	SGD 1353	SGD 1153	SGD 1115	SGD 1328	SGD 1290
	250 mm (25)	SGD 1228	SGD 1190	SGD 1403	SGD 1365	SGD 1165	SGD 1128	SGD 1340	SGD 1303
	300 mm (30)	SGD 1228	SGD 1190	SGD 1403	SGD 1365	SGD 1165	SGD 1128	SGD 1340	SGD 1303

◇EAC4 Standard Type/Side-Mounted Type With Shaft Guide

The prices are the same even if the ②Motor Installing Direction (R, Blank), ④Lead (D, E), and ⑧Power Supply Input (A, C) are different.

⑨ Driver Type (D, Blank)	Built-in Controller Type (D)				Pulse Input Type (Blank)				
	Single Shaft (A)		With Electromagnetic Brake (M)		Single Shaft (A)		With Electromagnetic Brake (M)		
⑦ Motor Shape (A, M)	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	
⑩ Connection Cable (1, 2, 3, Blank)	50 mm (05)	SGD 1415	SGD 1378	SGD 1590	SGD 1553	SGD 1353	SGD 1315	SGD 1528	SGD 1490
	100 mm (10)	SGD 1415	SGD 1378	SGD 1590	SGD 1553	SGD 1353	SGD 1315	SGD 1528	SGD 1490
	150 mm (15)	SGD 1428	SGD 1390	SGD 1603	SGD 1565	SGD 1365	SGD 1328	SGD 1540	SGD 1503
	200 mm (20)	SGD 1428	SGD 1390	SGD 1603	SGD 1565	SGD 1365	SGD 1328	SGD 1540	SGD 1503
	250 mm (25)	SGD 1440	SGD 1403	SGD 1615	SGD 1578	SGD 1378	SGD 1340	SGD 1553	SGD 1515
	300 mm (30)	SGD 1440	SGD 1403	SGD 1615	SGD 1578	SGD 1378	SGD 1340	SGD 1553	SGD 1515

◇EAC4 Standard Type/Side-Mounted Type With Shaft Guide Cover

The prices are the same even if the ②Motor Installing Direction (R, Blank), ④Lead (D, E), and ⑧Power Supply Input (A, C) are different.

⑨ Driver Type (D, Blank)	Built-in Controller Type (D)				Pulse Input Type (Blank)				
	Single Shaft (A)		With Electromagnetic Brake (M)		Single Shaft (A)		With Electromagnetic Brake (M)		
⑦ Motor Shape (A, M)	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	
⑩ Connection Cable (1, 2, 3, Blank)	50 mm (05)	SGD 1440	SGD 1403	SGD 1615	SGD 1578	SGD 1378	SGD 1340	SGD 1553	SGD 1515
	100 mm (10)	SGD 1440	SGD 1403	SGD 1615	SGD 1578	SGD 1378	SGD 1340	SGD 1553	SGD 1515
	150 mm (15)	SGD 1453	SGD 1415	SGD 1628	SGD 1590	SGD 1390	SGD 1353	SGD 1565	SGD 1528
	200 mm (20)	SGD 1453	SGD 1415	SGD 1628	SGD 1590	SGD 1390	SGD 1353	SGD 1565	SGD 1528
	250 mm (25)	SGD 1465	SGD 1428	SGD 1640	SGD 1603	SGD 1403	SGD 1365	SGD 1578	SGD 1540
	300 mm (30)	SGD 1465	SGD 1428	SGD 1640	SGD 1603	SGD 1403	SGD 1365	SGD 1578	SGD 1540

◇EAC6 Standard Type/Side-Mounted Type

The prices are the same even if the ②Motor Installing Direction (R, Blank), ④Lead (D, E), and ⑧Power Supply Input (A, C) are different.

⑨ Driver Type (D, Blank)	Built-in Controller Type (D)				Pulse Input Type (Blank)				
⑦ Motor Shape (A, M)	Single Shaft (A)		With Electromagnetic Brake (M)		Single Shaft (A)		With Electromagnetic Brake (M)		
⑩ Connection Cable (1, 2, 3, Blank)	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	
⑤ Stroke	50 mm (05)	SGD 1278	SGD 1240	SGD 1503	SGD 1465	SGD 1215	SGD 1178	SGD 1440	SGD 1403
	100 mm (10)	SGD 1278	SGD 1240	SGD 1503	SGD 1465	SGD 1215	SGD 1178	SGD 1440	SGD 1403
	150 mm (15)	SGD 1290	SGD 1253	SGD 1515	SGD 1478	SGD 1228	SGD 1190	SGD 1453	SGD 1415
	200 mm (20)	SGD 1290	SGD 1253	SGD 1515	SGD 1478	SGD 1228	SGD 1190	SGD 1453	SGD 1415
	250 mm (25)	SGD 1303	SGD 1265	SGD 1528	SGD 1490	SGD 1240	SGD 1203	SGD 1465	SGD 1428
	300 mm (30)	SGD 1303	SGD 1265	SGD 1528	SGD 1490	SGD 1240	SGD 1203	SGD 1465	SGD 1428

◇EAC6 Standard Type/Side-Mounted Type With Shaft Guide

The prices are the same even if the ②Motor Installing Direction (R, Blank), ④Lead (D, E), and ⑧Power Supply Input (A, C) are different.

⑨ Driver Type (D, Blank)	Built-in Controller Type (D)				Pulse Input Type (Blank)				
⑦ Motor Shape (A, M)	Single Shaft (A)		With Electromagnetic Brake (M)		Single Shaft (A)		With Electromagnetic Brake (M)		
⑩ Connection Cable (1, 2, 3, Blank)	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	
⑤ Stroke	50 mm (05)	SGD 1528	SGD 1490	SGD 1753	SGD 1715	SGD 1465	SGD 1428	SGD 1690	SGD 1653
	100 mm (10)	SGD 1528	SGD 1490	SGD 1753	SGD 1715	SGD 1465	SGD 1428	SGD 1690	SGD 1653
	150 mm (15)	SGD 1540	SGD 1503	SGD 1765	SGD 1728	SGD 1478	SGD 1440	SGD 1703	SGD 1665
	200 mm (20)	SGD 1540	SGD 1503	SGD 1765	SGD 1728	SGD 1478	SGD 1440	SGD 1703	SGD 1665
	250 mm (25)	SGD 1553	SGD 1515	SGD 1778	SGD 1740	SGD 1490	SGD 1453	SGD 1715	SGD 1678
	300 mm (30)	SGD 1553	SGD 1515	SGD 1778	SGD 1740	SGD 1490	SGD 1453	SGD 1715	SGD 1678

◇EAC6 Standard Type/Side-Mounted Type With Shaft Guide Cover

The prices are the same even if the ②Motor Installing Direction (R, Blank), ④Lead (D, E), and ⑧Power Supply Input (A, C) are different.

⑨ Driver Type (D, Blank)	Built-in Controller Type (D)				Pulse Input Type (Blank)				
⑦ Motor Shape (A, M)	Single Shaft (A)		With Electromagnetic Brake (M)		Single Shaft (A)		With Electromagnetic Brake (M)		
⑩ Connection Cable (1, 2, 3, Blank)	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	
⑤ Stroke	50 mm (05)	SGD 1553	SGD 1515	SGD 1778	SGD 1740	SGD 1490	SGD 1453	SGD 1715	SGD 1678
	100 mm (10)	SGD 1553	SGD 1515	SGD 1778	SGD 1740	SGD 1490	SGD 1453	SGD 1715	SGD 1678
	150 mm (15)	SGD 1565	SGD 1528	SGD 1790	SGD 1753	SGD 1503	SGD 1465	SGD 1728	SGD 1690
	200 mm (20)	SGD 1565	SGD 1528	SGD 1790	SGD 1753	SGD 1503	SGD 1465	SGD 1728	SGD 1690
	250 mm (25)	SGD 1578	SGD 1540	SGD 1803	SGD 1765	SGD 1515	SGD 1478	SGD 1740	SGD 1703
	300 mm (30)	SGD 1578	SGD 1540	SGD 1803	SGD 1765	SGD 1515	SGD 1478	SGD 1740	SGD 1703

● DC Power Supply Input

◇ Product Number Code

① Product Series	② Motor Installing Direction	③ Shaft Guide	④ Lead	⑤ Stroke	⑥ Installed Motor	⑦ Motor Shape	⑧ Power Supply Input	⑨ Driver Type	⑩ Connection Cable*2	⑪ Shaft Guide Cover
EAC4	R	W	D	05	AZ	A	K	D	-1	-G
EAC2 EAC4 EAC6	R: Side-Mounted Motor Blank: Standard	W: With Shaft Guide Blank: Standard	D: 12 mm E: 6 mm F: 3 mm	05: 50mm 10: 100 mm 15: 150 mm ~ 30: 300 mm (50 mm increments)	AZ Series	A: Single Shaft M: With Electromagnetic Brake	K: 24 VDC/48 VDC*1	D: Built-in Controller Type Blank: Pulse Input Type	Number: Included Connection Cable Length -1: 1 m -2: 2 m -3: 3 m Blank: Connection Cable Not Included	-G: With Shaft Guide Cover Blank: Without Shaft Guide Cover

*1 Only 24 VDC for **EAC2**

*2 Connection cables with a length of more than 3 m are available as accessories (sold separately). Connection Cable Sets → Page 104

◇ **EAC2** Standard Type

The prices are the same even if the ④Lead (**E, F**) is different.

⑨ Driver Type (D , Blank)	Built-in Controller Type (D)		Pulse Input Type (Blank)		
	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	
⑤ Stroke	50 mm (05)	SGD 1021	SGD 984	SGD 959	SGD 921
	100 mm (10)	SGD 1021	SGD 984	SGD 959	SGD 921
	150 mm (15)	SGD 1034	SGD 996	SGD 971	SGD 934

◇ **EAC2** Standard Type With Shaft Guide Cover

The prices are the same even if the ④Lead (**E, F**) is different.

⑨ Driver Type (D , Blank)	Built-in Controller Type (D)		Pulse Input Type (Blank)		
	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	
⑤ Stroke	50 mm (05)	SGD 1234	SGD 1196	SGD 1171	SGD 1134
	100 mm (10)	SGD 1234	SGD 1196	SGD 1171	SGD 1134
	150 mm (15)	SGD 1246	SGD 1209	SGD 1184	SGD 1146

◇ **EAC4** Standard Type/Side-Mounted Type

The prices are the same even if the ②Motor Installing Direction (**R**, Blank) and ④Lead (**D, E**) are different.

⑨ Driver Type (D , Blank)	Built-in Controller Type (D)				Pulse Input Type (Blank)				
	Single Shaft (A)		With Electromagnetic Brake (M)		Single Shaft (A)		With Electromagnetic Brake (M)		
⑦ Motor Shape (A, M)	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	
⑤ Stroke	50 mm (05)	SGD 1040	SGD 1003	SGD 1215	SGD 1178	SGD 978	SGD 940	SGD 1153	SGD 1115
	100 mm (10)	SGD 1040	SGD 1003	SGD 1215	SGD 1178	SGD 978	SGD 940	SGD 1153	SGD 1115
	150 mm (15)	SGD 1053	SGD 1015	SGD 1228	SGD 1190	SGD 990	SGD 953	SGD 1165	SGD 1128
	200 mm (20)	SGD 1053	SGD 1015	SGD 1228	SGD 1190	SGD 990	SGD 953	SGD 1165	SGD 1128
	250 mm (25)	SGD 1065	SGD 1028	SGD 1240	SGD 1203	SGD 1003	SGD 965	SGD 1178	SGD 1140
	300 mm (30)	SGD 1065	SGD 1028	SGD 1240	SGD 1203	SGD 1003	SGD 965	SGD 1178	SGD 1140

◇ **EAC4** Standard Type/Side-Mounted Type With Shaft Guide

The prices are the same even if the ②Motor Installing Direction (**R**, Blank) and ④Lead (**D, E**) are different.

⑨ Driver Type (D , Blank)	Built-in Controller Type (D)				Pulse Input Type (Blank)				
	Single Shaft (A)		With Electromagnetic Brake (M)		Single Shaft (A)		With Electromagnetic Brake (M)		
⑦ Motor Shape (A, M)	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	
⑤ Stroke	50 mm (05)	SGD 1253	SGD 1215	SGD 1428	SGD 1390	SGD 1190	SGD 1153	SGD 1365	SGD 1328
	100 mm (10)	SGD 1253	SGD 1215	SGD 1428	SGD 1390	SGD 1190	SGD 1153	SGD 1365	SGD 1328
	150 mm (15)	SGD 1265	SGD 1228	SGD 1440	SGD 1403	SGD 1203	SGD 1165	SGD 1378	SGD 1340
	200 mm (20)	SGD 1265	SGD 1228	SGD 1440	SGD 1403	SGD 1203	SGD 1165	SGD 1378	SGD 1340
	250 mm (25)	SGD 1278	SGD 1240	SGD 1453	SGD 1415	SGD 1215	SGD 1178	SGD 1390	SGD 1353
	300 mm (30)	SGD 1278	SGD 1240	SGD 1453	SGD 1415	SGD 1215	SGD 1178	SGD 1390	SGD 1353

◇ **EAC4** Standard Type/Side-Mounted Type With Shaft Guide Cover

The prices are the same even if the ②Motor Installing Direction (**R**, Blank) and ④Lead (**D, E**) are different.

⑨ Driver Type (D , Blank)	Built-in Controller Type (D)				Pulse Input Type (Blank)				
	Single Shaft (A)		With Electromagnetic Brake (M)		Single Shaft (A)		With Electromagnetic Brake (M)		
⑦ Motor Shape (A, M)	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	
⑤ Stroke	50 mm (05)	SGD 1278	SGD 1240	SGD 1453	SGD 1415	SGD 1215	SGD 1178	SGD 1390	SGD 1353
	100 mm (10)	SGD 1278	SGD 1240	SGD 1453	SGD 1415	SGD 1215	SGD 1178	SGD 1390	SGD 1353
	150 mm (15)	SGD 1290	SGD 1253	SGD 1465	SGD 1428	SGD 1228	SGD 1190	SGD 1403	SGD 1365
	200 mm (20)	SGD 1290	SGD 1253	SGD 1465	SGD 1428	SGD 1228	SGD 1190	SGD 1403	SGD 1365
	250 mm (25)	SGD 1303	SGD 1265	SGD 1478	SGD 1440	SGD 1240	SGD 1203	SGD 1415	SGD 1378
	300 mm (30)	SGD 1303	SGD 1265	SGD 1478	SGD 1440	SGD 1240	SGD 1203	SGD 1415	SGD 1378

Motorized Linear Slides

Q-STEP AZ/AR Equipped EZS

Motorized Cylinders

Q-STEP AZ/AR Equipped EAC

Accessories

◇EAC6 Standard Type/Side-Mounted Type

The prices are the same even if the ②Motor Installing Direction (R, Blank) and ④Lead (D, E) are different.

⑨ Driver Type (D, Blank)	Built-in Controller Type (D)				Pulse Input Type (Blank)				
⑦ Motor Shape (A, M)	Single Shaft (A)		With Electromagnetic Brake (M)		Single Shaft (A)		With Electromagnetic Brake (M)		
⑩ Connection Cable (1, 2, 3, Blank)	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	
⑤ Stroke	50 mm (05)	SGD 1115	SGD 1078	SGD 1340	SGD 1303	SGD 1053	SGD 1015	SGD 1278	SGD 1240
	100 mm (10)	SGD 1115	SGD 1078	SGD 1340	SGD 1303	SGD 1053	SGD 1015	SGD 1278	SGD 1240
	150 mm (15)	SGD 1128	SGD 1090	SGD 1353	SGD 1315	SGD 1065	SGD 1028	SGD 1290	SGD 1253
	200 mm (20)	SGD 1128	SGD 1090	SGD 1353	SGD 1315	SGD 1065	SGD 1028	SGD 1290	SGD 1253
	250 mm (25)	SGD 1140	SGD 1103	SGD 1365	SGD 1328	SGD 1078	SGD 1040	SGD 1303	SGD 1265
300 mm (30)	SGD 1140	SGD 1103	SGD 1365	SGD 1328	SGD 1078	SGD 1040	SGD 1303	SGD 1265	

◇EAC6 Standard Type/Side-Mounted Type With Shaft Guide

The prices are the same even if the ②Motor Installing Direction (R, Blank) and ④Lead (D, E) are different.

⑨ Driver Type (D, Blank)	Built-in Controller Type (D)				Pulse Input Type (Blank)				
⑦ Motor Shape (A, M)	Single Shaft (A)		With Electromagnetic Brake (M)		Single Shaft (A)		With Electromagnetic Brake (M)		
⑩ Connection Cable (1, 2, 3, Blank)	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	
⑤ Stroke	50 mm (05)	SGD 1365	SGD 1328	SGD 1590	SGD 1553	SGD 1303	SGD 1265	SGD 1528	SGD 1490
	100 mm (10)	SGD 1365	SGD 1328	SGD 1590	SGD 1553	SGD 1303	SGD 1265	SGD 1528	SGD 1490
	150 mm (15)	SGD 1378	SGD 1340	SGD 1603	SGD 1565	SGD 1315	SGD 1278	SGD 1540	SGD 1503
	200 mm (20)	SGD 1378	SGD 1340	SGD 1603	SGD 1565	SGD 1315	SGD 1278	SGD 1540	SGD 1503
	250 mm (25)	SGD 1390	SGD 1353	SGD 1615	SGD 1578	SGD 1328	SGD 1290	SGD 1553	SGD 1515
300 mm (30)	SGD 1390	SGD 1353	SGD 1615	SGD 1578	SGD 1328	SGD 1290	SGD 1553	SGD 1515	

◇EAC6 Standard Type/Side-Mounted Type With Shaft Guide Cover

The prices are the same even if the ②Motor Installing Direction (R, Blank) and ④Lead (D, E) are different.

⑨ Driver Type (D, Blank)	Built-in Controller Type (D)				Pulse Input Type (Blank)				
⑦ Motor Shape (A, M)	Single Shaft (A)		With Electromagnetic Brake (M)		Single Shaft (A)		With Electromagnetic Brake (M)		
⑩ Connection Cable (1, 2, 3, Blank)	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	
⑤ Stroke	50 mm (05)	SGD 1390	SGD 1353	SGD 1615	SGD 1578	SGD 1328	SGD 1290	SGD 1553	SGD 1515
	100 mm (10)	SGD 1390	SGD 1353	SGD 1615	SGD 1578	SGD 1328	SGD 1290	SGD 1553	SGD 1515
	150 mm (15)	SGD 1403	SGD 1365	SGD 1628	SGD 1590	SGD 1340	SGD 1303	SGD 1565	SGD 1528
	200 mm (20)	SGD 1403	SGD 1365	SGD 1628	SGD 1590	SGD 1340	SGD 1303	SGD 1565	SGD 1528
	250 mm (25)	SGD 1415	SGD 1378	SGD 1640	SGD 1603	SGD 1353	SGD 1315	SGD 1578	SGD 1540
300 mm (30)	SGD 1415	SGD 1378	SGD 1640	SGD 1603	SGD 1353	SGD 1315	SGD 1578	SGD 1540	

Accessories

Type	Actuator	Driver	Connection Cable*1	Connector	Operating Manual
For All Types	1 unit	1 unit	<ul style="list-style-type: none"> • Cable for motor • Cable for electromagnetic brake (Electromagnetic brake type only) • Cable for encoder 	<ul style="list-style-type: none"> • Connector for CN4 (1 pc.) • Connector for CN1 (1 pc.) • Connector for CN5 (1 pc.)*2 • Connector wiring lever (1 pc.)*2 	1 set

*1 Only with products supplied with a connection cable

*2 AC power supply input only

Drivers and cables are the same as for AZ Series.
For the following content, confirm the equipped motor product name and driver product name before viewing the AZ Series product catalog.

- Driver Specifications
- RS-485 Communication Specifications
- Dimensions
- Connection and Operation

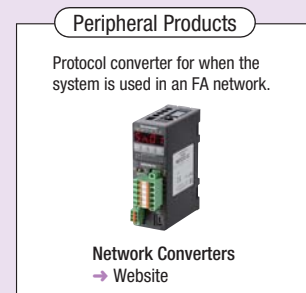
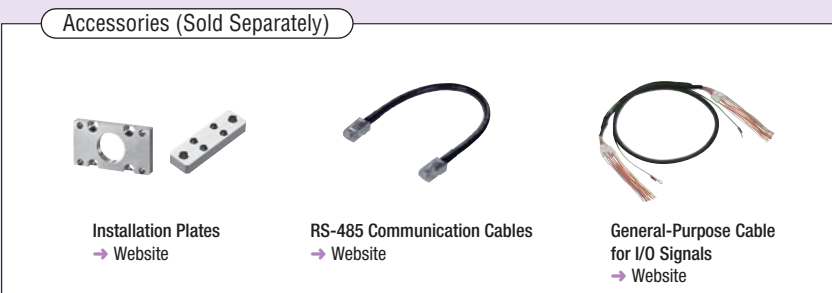
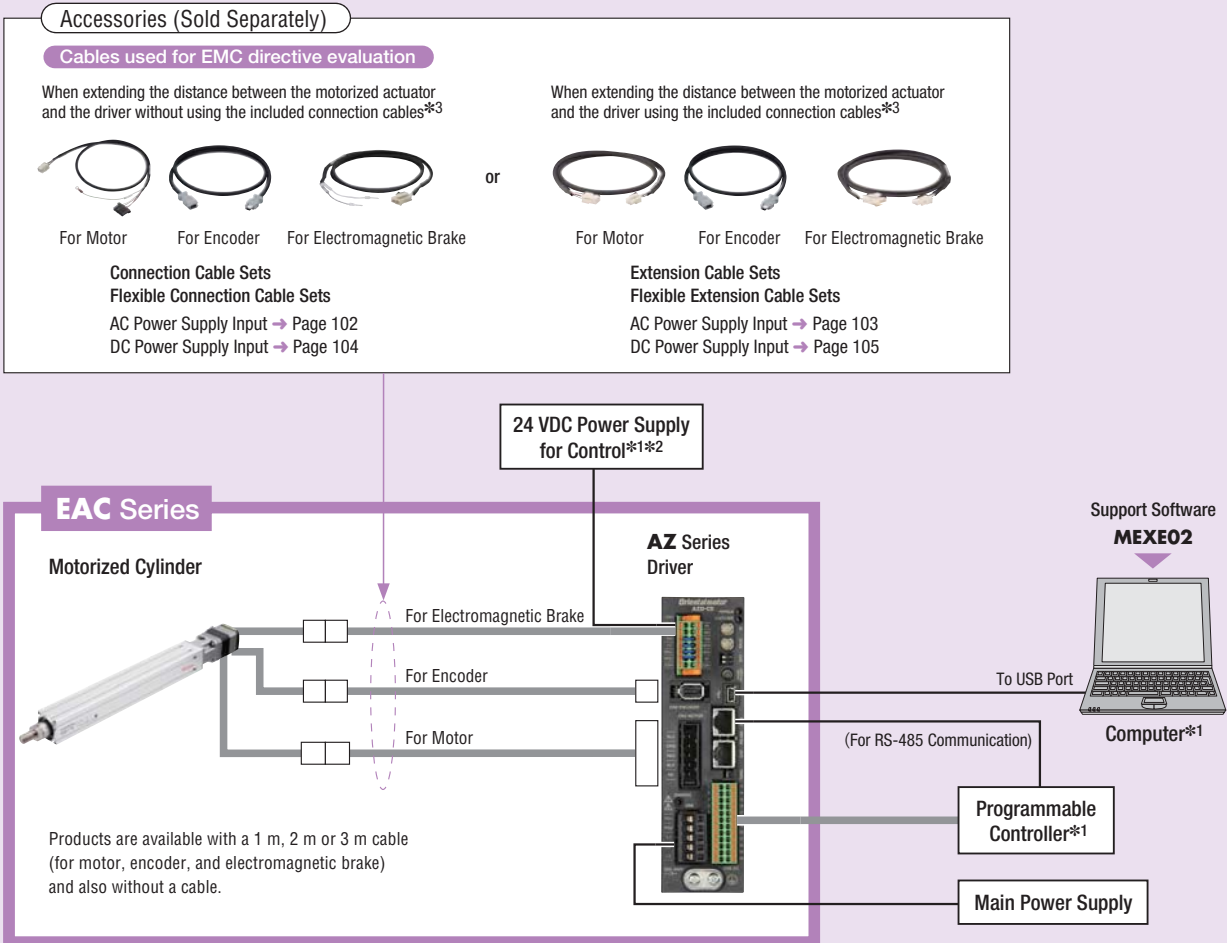


System Configuration

- When using a Motorized Actuator with Electromagnetic Brake and a Built-in Controller Type Driver (AC power supply input and DC power supply input are both indicated. The photo shows a type for AC power supply input.)

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

- *1 Not supplied.
- *2 A product for DC power supply is unnecessary.
- *3 Only with products supplied with a connection cable.



- MEXE02 can be downloaded from the Oriental Motor website.
- The functions and operation method of this product are common to the hybrid control system **QSTEP AZ** Series. For details on the functions and operation method, see the Operating Manual (for Drivers, Functions) of the **AZ** Series. The Operating Manual for Drivers is included with the product, but the Operating Manual for Functions is not included. Contact the nearest Oriental Motor sales office or download from the Oriental Motor website. <http://www.orientalmotor.com.sg/>

Price Examples of System Configurations

EAC Series	+	Sold Separately
EAC4-D05-AZMCD-3 SGD 1378		General-Purpose Cable for I/O Signals (1 m) CC16D010B-1 SGD 25

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

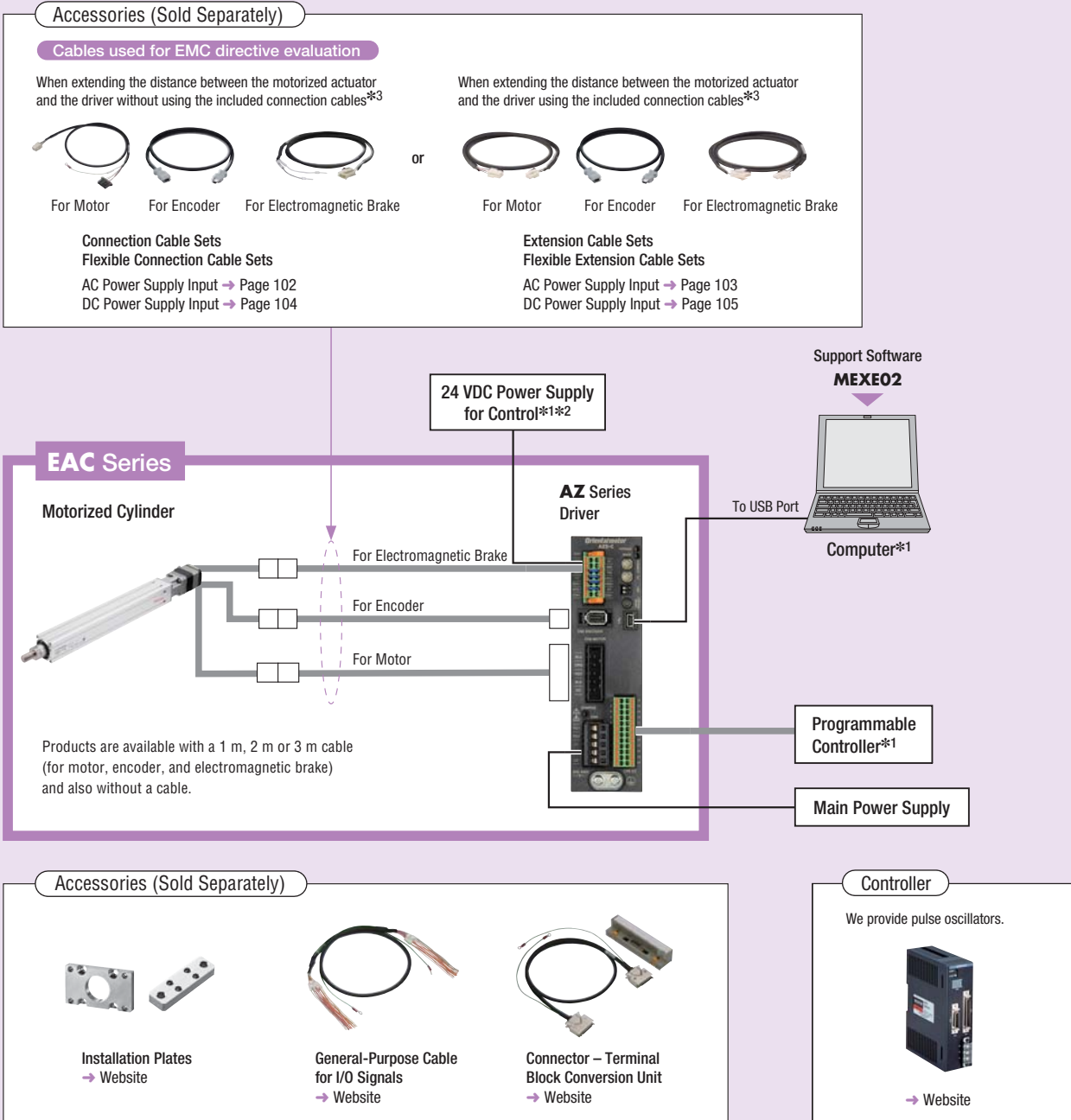
Note

- The motor cable and electromagnetic brake cable from the motor cannot be directly connected to a driver. To connect the motor to the driver, use a connection cable.

● When using a Motorized Actuator with Electromagnetic Brake and a Pulse Input Type Driver
(AC power supply input and DC power supply input are both indicated. The photo shows a type for AC power supply input.)

The figure below shows a sample configuration of a single axis system which uses a programmable controller (Equipped with a pulse oscillator).

- *1 Not supplied.
- *2 A product for DC power supply is unnecessary.
- *3 Only with products supplied with a connection cable.



EAC2: Frame Size 28 mm×28 mm 24 VDC Input Standard Type

Motorized Linear Slides

QSTEP AZ/AR Equipped EZS

Motorized Cylinders

QSTEP AZ/AR Equipped EAC

Accessories

Product Number Code

Product Series	Lead	Stroke	Installed Motor	Motor Shape	Power Supply Input	Driver Type	Connection Cable*
EAC2	E	05	AZ	A	K	D	-1
EAC2	E: 6 mm F: 3 mm	05: 50 mm 10: 100 mm 15: 150 mm	AZ Series	A: Single Shaft	K: 24 VDC	D: Built-in Controller Type Blank: Pulse Input Type	Number: Included Connection Cable Length -1: 1 m -2: 2 m -3: 3 m Blank: Connection Cable Not Included

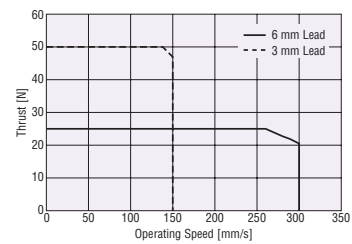
*Connection cables with a length of more than 3 m are available as accessories (sold separately), Connection Cable Sets → Page 104

Motorized Cylinder Specifications

Lead	mm	6	3
Electromagnetic Brake (Power off activated type)		Not provided	
Drive System		Ball screw	
Repetitive Positioning Accuracy	mm	±0.02	
Minimum Traveling Amount	mm	0.01	
Permissible Moment	Dynamic Permissible Moment	Do not apply radial load or load moment to the rod of the motorized cylinders. Make sure to provide a guide although a simple anti-spin mechanism is already provided.	
	Static Permissible Moment		
Transportable Mass	Horizontal	~7.5	~15
	Vertical	~2.5	~5
Thrust	N	~25	~50
Pushing Force	N	40	80
Holding Force	N	25	50
Maximum Speed	mm/s	300	150

- Holding force is lost while power is not supplied, and loads and external force in the vertical direction cannot be maintained. For use in the vertical direction, apply external protection to the device.
- The maximum speed may decrease depending on the ambient temperature and motor cable length.

Operating Speed – Thrust

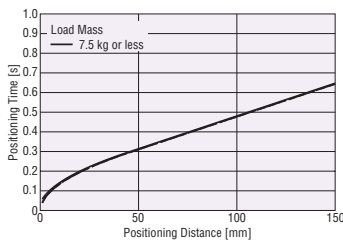


Positioning Distance – Positioning Time

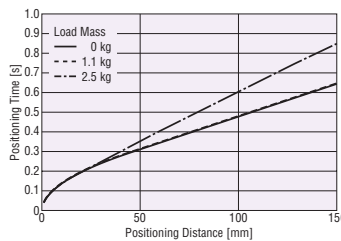
The positioning time (reference) can be checked from the positioning distance.

6 mm Lead

◇ Horizontal Direction Installation



◇ Vertical Direction Installation

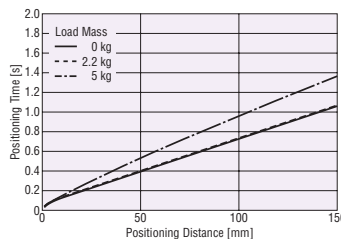


3 mm Lead

◇ Horizontal Direction Installation



◇ Vertical Direction Installation



Note

- The starting speed should be 6 mm/s or less.

Dimensions

- Motorized Cylinders → Page 83

EAC2W: Frame Size 28 mm×86 mm 24 VDC Input Standard Type With Shaft Guide Cover

Product Number Code

Product Series	Shaft Guide	Lead	Stroke	Installed Motor	Motor Shape	Power Supply Input	Driver Type	Connection Cable*	Shaft Guide Cover
EAC2	W	E	05	AZ	A	K	D	-1	-G
EAC2	W : With Shaft Guide	E : 6 mm F : 3 mm	05 : 50 mm 10 : 100 mm 15 : 150 mm	AZ Series	A : Single Shaft	K : 24 VDC	D : Built-in Controller Type Blank: Pulse Input Type	Number: Included Connection Cable Length -1 : 1 m -2 : 2 m -3 : 3 m Blank: Connection Cable Not Included	-G : With Shaft Guide Cover

*Connection cables with a length of more than 3 m are available as accessories (sold separately). Connection Cable Sets → Page 104

Motorized Cylinder Specifications

Lead	mm	6	3
Electromagnetic Brake (Power off activated type)		Not provided	
Drive System		Ball screw	
Repetitive Positioning Accuracy	mm	±0.02	
Minimum Traveling Amount	mm	0.01	
Permissible Moment	Dynamic Permissible Moment	M _p : 0.7 M _v : 0.7 M _R : 0.3	
	Static Permissible Moment	M _s : 1.4 M _v : 1.4 M _s : 0.6	
Transportable Mass	Horizontal	~7.5	~15
	Vertical	~2.0	~4.5
Thrust	N	~25	~50
Pushing Force	N	40	80
Holding Force	N	25	50
Maximum Speed	mm/s	300	150

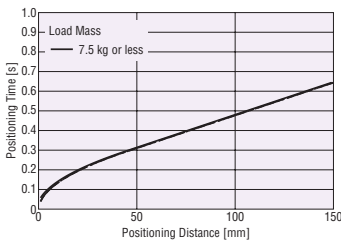
- The transportable mass is the value when an external linear guide is used. When not using a linear guide, refer to "Horizontal Transportable Mass".
- Holding force is lost while power is not supplied, and loads and external force in the vertical direction cannot be maintained. For use in the vertical direction, apply external protection to the device.
- The maximum speed may decrease depending on the ambient temperature and motor cable length.

Positioning Distance – Positioning Time

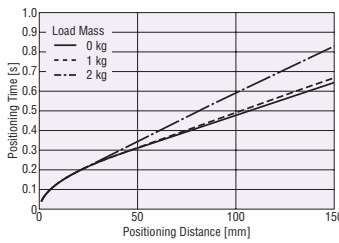
The positioning time (reference) can be checked from the positioning distance.

6 mm Lead

Horizontal Direction Installation



Vertical Direction Installation

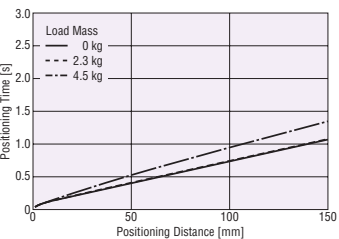


3 mm Lead

Horizontal Direction Installation



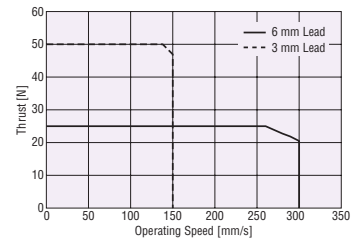
Vertical Direction Installation



Note

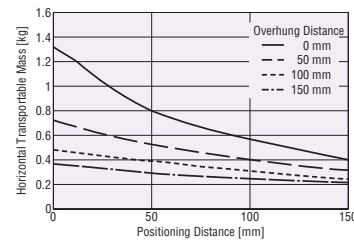
- The starting speed should be 6 mm/s or less.

Operating Speed – Thrust

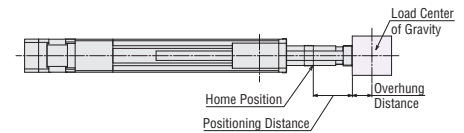


Horizontal Transportable Mass

Positioning Distance – Horizontal Transportable Mass



Products with the 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

- Motorized Cylinders → Page 88

EAC4: Frame Size 42 mm×42 mm AC Power Supply Input Standard Type

Motorized Linear Slides

QSTEP AZ/AR Equipped EZS

Motorized Cylinders

QSTEP AZ/AR Equipped EAC

Accessories

Product Number Code

Product Series	Lead	Stroke	Installed Motor	Motor Shape	Power Supply Input	Driver Type	Connection Cable*
EAC4	D	05	AZ	A	A	D	-1
EAC4	D: 12 mm E: 6 mm	05: 50 mm 10: 100 mm 15: 150 mm ~ 30: 300 mm (50 mm increments)	AZ Series	A: Single Shaft M: With Electromagnetic Brake	A: Single-Phase 100-120 VAC C: Single-Phase/Three-Phase 200-240 VAC	D: Built-in Controller Type Blank: Pulse Input Type	Number: Included Connection Cable Length -1: 1 m -2: 2 m -3: 3 m Blank: Connection Cable Not Included

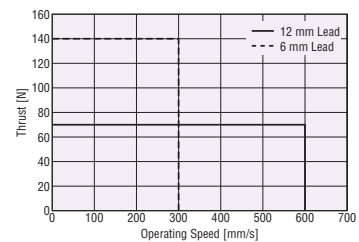
*Connection cables with a length of more than 3 m are available as accessories (sold separately). Connection Cable Sets → Page 102

Motorized Cylinder Specifications

Lead	mm	12	6
Electromagnetic Brake (Power off activated type)		Equipped	Not provided
Drive System		Ball screw	
Repetitive Positioning Accuracy	mm	±0.02	
Minimum Traveling Amount	mm	0.01	
Permissible Moment	Dynamic Permissible Moment	Do not apply radial load or load moment to the rod of the motorized cylinders. Make sure to provide a guide although a simple anti-spin mechanism is already provided.	
	Static Permissible Moment		
Transportable Mass	Horizontal	~15	~30
	Vertical	~7	~14
Thrust	N	~70	~140
Pushing Force	N	100	200
Holding Force	N	70	140
Maximum Speed	mm/s	600	300

- The transportable mass is the value when an external linear guide is used.
- Holding force is lost while power is not supplied, and loads and external force in the vertical direction cannot be maintained. Choose the type with electromagnetic brake for vertical drive.

Operating Speed – Thrust

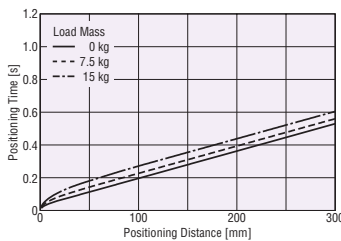


Positioning Distance – Positioning Time

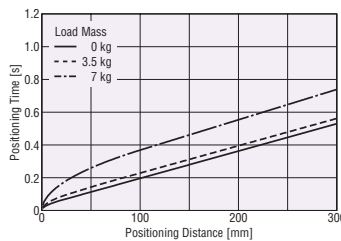
The positioning time (reference) can be checked from the positioning distance.

12 mm Lead

Horizontal Direction Installation



Vertical Direction Installation

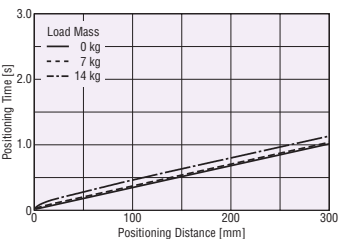


6 mm Lead

Horizontal Direction Installation



Vertical Direction Installation



Note

- The starting speed should be 6 mm/s or less.

Dimensions

● Motorized Cylinders → Page 84

EAC4R: Frame Size 42 mm×42 mm AC Power Supply Input Side-Mounted Type

Product Number Code

Product Series	Motor Installing Direction	Lead	Stroke	Installed Motor	Motor Shape	Power Supply Input	Driver Type	Connection Cable*
EAC4	R	D	05	AZ	A	A	D	-1
EAC4	R : Side-Mounted Motor	D : 12 mm E : 6 mm	05 : 50 mm 10 : 100 mm 15 : 150 mm ~ 30 : 300 mm (50 mm increments)	AZ Series	A : Single Shaft M : With Electromagnetic Brake	A : Single-Phase 100-120 VAC C : Single-Phase/Three-Phase 200-240 VAC	D : Built-in Controller Type Blank: Pulse Input Type	Number: Included Connection Cable Length -1 : 1 m -2 : 2 m -3 : 3 m Blank: Connection Cable Not Included

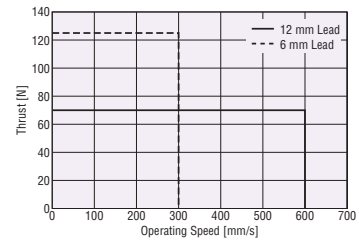
*Connection cables with a length of more than 3 m are available as accessories (sold separately). Connection Cable Sets → Page 102

Motorized Cylinder Specifications

Lead	mm	12	6
Electromagnetic Brake (Power off activated type)		Equipped	Not provided
Drive System		Ball screw	
Repetitive Positioning Accuracy	mm	±0.02	
Minimum Traveling Amount	mm	0.01	
Permissible Moment	Dynamic Permissible Moment	Do not apply radial load or load moment to the rod of the motorized cylinders. Make sure to provide a guide although a simple anti-spin mechanism is already provided.	
	Static Permissible Moment		
Transportable Mass	Horizontal	~15	~30
	Vertical	~7	~12.5
Thrust	N	~70	~125
Pushing Force	N	100	200
Holding Force	N	70	125
Maximum Speed	mm/s	600	300

- The transportable mass is the value when an external linear guide is used.
- Holding force is lost while power is not supplied, and loads and external force in the vertical direction cannot be maintained. Choose the type with electromagnetic brake for vertical drive.

Operating Speed – Thrust

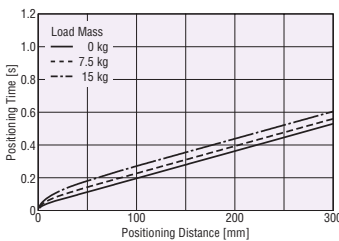


Positioning Distance – Positioning Time

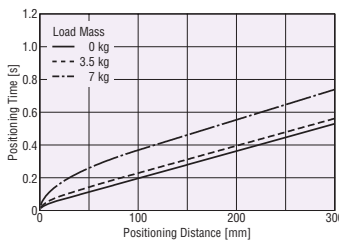
The positioning time (reference) can be checked from the positioning distance.

12 mm Lead

Horizontal Direction Installation

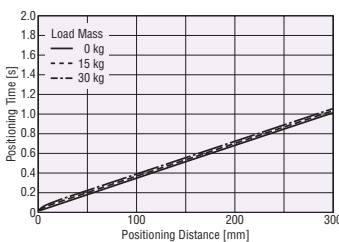


Vertical Direction Installation

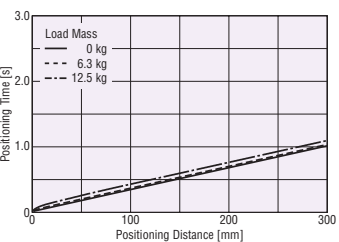


6 mm Lead

Horizontal Direction Installation



Vertical Direction Installation



Note

- The starting speed should be 6 mm/s or less.

Dimensions

- Motorized Cylinders → Page 85

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

Motorized Linear Slides

QSTEP AZ/AR Equipped EZS

Motorized Cylinders

QSTEP AZ/AR Equipped EAC

Accessories

Product Number Code

Product Series	Lead	Stroke	Installed Motor	Motor Shape	Power Supply Input	Driver Type	Connection Cable*
EAC4	D	05	AZ	A	K	D	-1
EAC4	D: 12 mm E: 6 mm	05: 50 mm 10: 100 mm 15: 150 mm ~ 30: 300 mm (50 mm increments)	AZ Series	A: Single Shaft M: With Electromagnetic Brake	K: 24 VDC/48 VDC	D: Built-in Controller Type Blank: Pulse Input Type	Number: Included Connection Cable Length -1: 1 m -2: 2 m -3: 3 m Blank: Connection Cable Not Included

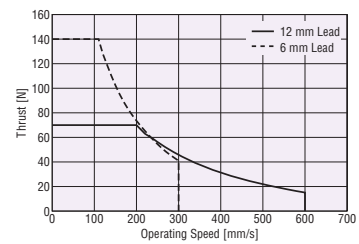
*Connection cables with a length of more than 3 m are available as accessories (sold separately), Connection Cable Sets → Page 104

Motorized Cylinder Specifications

Lead	mm	12	6
Electromagnetic Brake (Power off activated type)		Equipped	Not provided
Drive System		Ball screw	
Repetitive Positioning Accuracy	mm	±0.02	
Minimum Traveling Amount	mm	0.01	
Permissible Moment	Dynamic Permissible Moment	Do not apply radial load or load moment to the rod of the motorized cylinders. Make sure to provide a guide although a simple anti-spin mechanism is already provided.	
	Static Permissible Moment		
Transportable Mass	Horizontal	~15	~30
	Vertical	~7	~14
Thrust	N	~70	~140
Pushing Force	N	100	200
Holding Force	N	70	140
Maximum Speed	mm/s	600	300

- For the specifications and characteristics for 48 VDC input, contact the nearest Oriental Motor sales office.
- The transportable mass is the value when an external linear guide is used.
- Holding force is lost while power is not supplied, and loads and external force in the vertical direction cannot be maintained. Choose the type with electromagnetic brake for vertical drive.
- The maximum speed may decrease depending on the ambient temperature and motor cable length.

Operating Speed – Thrust

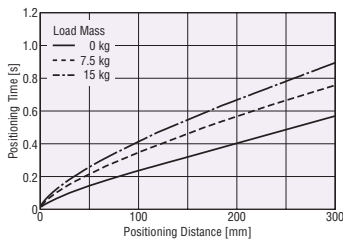


Positioning Distance – Positioning Time

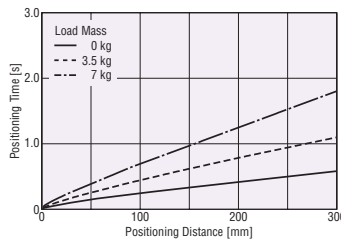
The positioning time (reference) can be checked from the positioning distance.

12 mm Lead

Horizontal Direction Installation

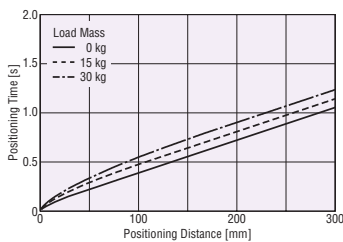


Vertical Direction Installation

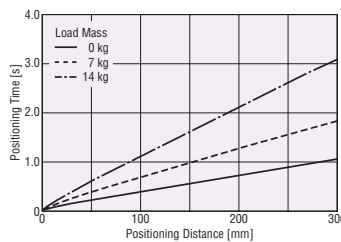


6 mm Lead

Horizontal Direction Installation



Vertical Direction Installation



Note

- The starting speed should be 6 mm/s or less.

Dimensions

● Motorized Cylinders → Page 84

EAC4R: Frame Size 42 mm×42 mm 24 VDC Input Side-Mounted Type

Product Number Code

Product Series	Motor Installing Direction	Lead	Stroke	Installed Motor	Motor Shape	Power Supply Input	Driver Type	Connection Cable*
EAC4	R	D	05	AZ	A	K	D	-1
EAC4	R : Side-Mounted Motor	D : 12 mm E : 6 mm	05 : 50 mm 10 : 100 mm 15 : 150 mm ~ 30 : 300 mm (50 mm increments)	AZ Series	A : Single Shaft M : With Electromagnetic Brake	K : 24 VDC/48 VDC	D : Built-in Controller Type Blank: Pulse Input Type	Number: Included Connection Cable Length -1 : 1 m -2 : 2 m -3 : 3 m Blank: Connection Cable Not Included

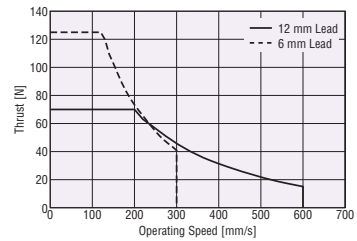
*Connection cables with a length of more than 3 m are available as accessories (sold separately). Connection Cable Sets → Page 104

Motorized Cylinder Specifications

Lead	mm	12	6
Electromagnetic Brake (Power off activated type)		Equipped	Not provided
Drive System		Ball screw	
Repetitive Positioning Accuracy	mm	±0.02	
Minimum Traveling Amount	mm	0.01	
Permissible Moment	Dynamic Permissible Moment	Do not apply radial load or load moment to the rod of the motorized cylinders. Make sure to provide a guide although a simple anti-spin mechanism is already provided.	
	Static Permissible Moment		
Transportable Mass	Horizontal	~15	~30
	Vertical	~7	~12.5
Thrust	N	~70	~125
Pushing Force	N	100	200
Holding Force	N	70	125
Maximum Speed	mm/s	600	300

- For the specifications and characteristics for 48 VDC input, contact the nearest Oriental Motor sales office.
- The transportable mass is the value when an external linear guide is used.
- Holding force is lost while power is not supplied, and loads and external force in the vertical direction cannot be maintained. Choose the type with electromagnetic brake for vertical drive.
- The maximum speed may decrease depending on the ambient temperature and motor cable length.

Operating Speed – Thrust

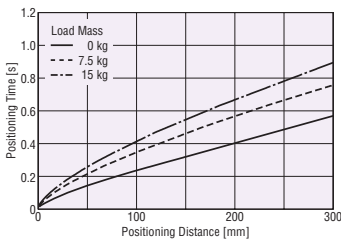


Positioning Distance – Positioning Time

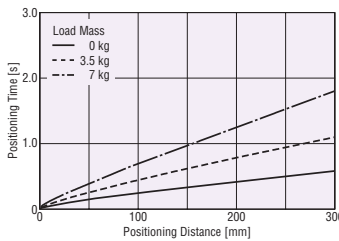
The positioning time (reference) can be checked from the positioning distance.

12 mm Lead

Horizontal Direction Installation

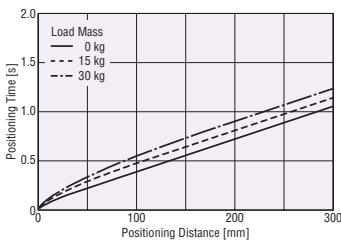


Vertical Direction Installation

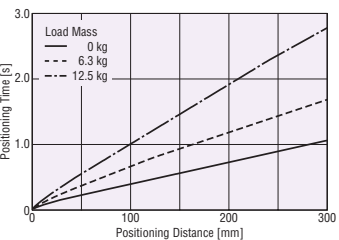


6 mm Lead

Horizontal Direction Installation



Vertical Direction Installation



Note

- The starting speed should be 6 mm/s or less.

Dimensions

● Motorized Cylinders → Page 85

EAC6: Frame Size 60 mm×60 mm AC Power Supply Input Standard Type

Motorized Linear Slides

QSTEP AZ/AR Equipped EZS

Motorized Cylinders

QSTEP AZ/AR Equipped EAC

Accessories

Product Number Code

Product Series	Lead	Stroke	Installed Motor	Motor Shape	Power Supply Input	Driver Type	Connection Cable*
EAC6	D	05	AZ	A	A	D	-1
EAC6	D : 12 mm E : 6 mm	05 : 50 mm 10 : 100 mm 15 : 150 mm ~ 30 : 300 mm (50 mm increments)	AZ Series	A : Single Shaft M : With Electromagnetic Brake	A : Single-Phase 100-120 VAC C : Single-Phase/Three-Phase 200-240 VAC	D : Built-in Controller Type Blank: Pulse Input Type	Number: Included Connection Cable Length -1 : 1 m -2 : 2 m -3 : 3 m Blank: Connection Cable Not Included

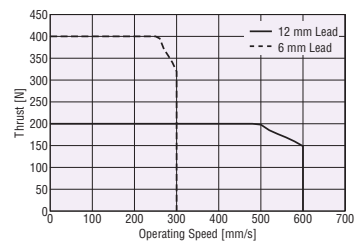
*Connection cables with a length of more than 3 m are available as accessories (sold separately). Connection Cable Sets → Page 102

Motorized Cylinder Specifications

Lead	mm	12	6
Electromagnetic Brake (Power off activated type)		Equipped / Not provided	Equipped / Not provided
Drive System		Ball screw	
Repetitive Positioning Accuracy	mm	±0.02	
Minimum Traveling Amount	mm	0.01	
Permissible Moment	Dynamic Permissible Moment	Do not apply radial load or load moment to the rod of the motorized cylinders. Make sure to provide a guide although a simple anti-spin mechanism is already provided.	
	Static Permissible Moment		
Transportable Mass	Horizontal	~30	~60
	Vertical	~15 / -	~30 / -
Thrust	N	~200	~400
Pushing Force	N	400	500
Holding Force	N	200	400
Maximum Speed	mm/s	600	300

- The transportable mass is the value when an external linear guide is used.
- Holding force is lost while power is not supplied, and loads and external force in the vertical direction cannot be maintained. Choose the type with electromagnetic brake for vertical drive.

Operating Speed – Thrust

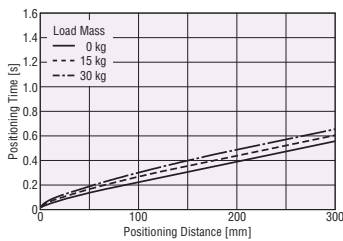


Positioning Distance – Positioning Time

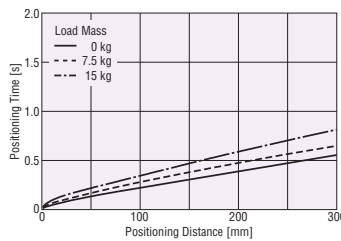
The positioning time (reference) can be checked from the positioning distance.

12 mm Lead

Horizontal Direction Installation

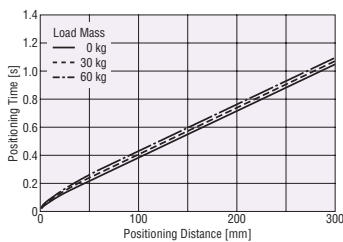


Vertical Direction Installation

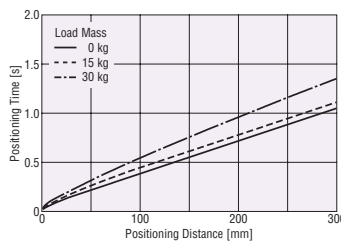


6 mm Lead

Horizontal Direction Installation



Vertical Direction Installation



Note

- The starting speed should be 6 mm/s or less.

Dimensions

● Motorized Cylinders → Page 86

EAC6R: Frame Size 60 mm×60 mm AC Power Supply Input Side-Mounted Type

Product Number Code

Product Series	Motor Installing Direction	Lead	Stroke	Installed Motor	Motor Shape	Power Supply Input	Driver Type	Connection Cable*
EAC6	R	D	05	AZ	A	A	D	-1
EAC6	R : Side-Mounted Motor	D : 12mm E : 6mm	05 : 50 mm 10 : 100 mm 15 : 150 mm ~ 30 : 300 mm (50 mm increments)	AZ Series	A : Single Shaft M : With Electromagnetic Brake	A : Single-Phase 100-120 VAC C : Single-Phase/Three-Phase 200-240 VAC	D : Built-in Controller Type Blank: Pulse Input Type	Number: Included Connection Cable Length -1 : 1 m -2 : 2 m -3 : 3 m Blank: Connection Cable Not Included

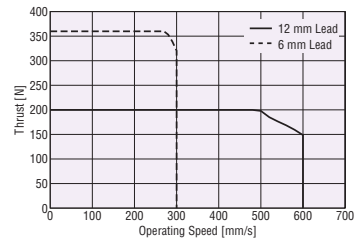
*Connection cables with a length of more than 3 m are available as accessories (sold separately). Connection Cable Sets → Page 102

Motorized Cylinder Specifications

Lead	mm	12	6
Electromagnetic Brake (Power off activated type)		Equipped	Not provided
Drive System		Ball screw	
Repetitive Positioning Accuracy	mm	±0.02	
Minimum Traveling Amount	mm	0.01	
Permissible Moment	Dynamic Permissible Moment	Do not apply radial load or load moment to the rod of the motorized cylinders. Make sure to provide a guide although a simple anti-spin mechanism is already provided.	
	Static Permissible Moment		
Transportable Mass	Horizontal	~30	~60
	Vertical	~15	~30
Thrust	N	~200	~360
Pushing Force	N	400	500
Holding Force	N	200	360
Maximum Speed	mm/s	600	300

- The transportable mass is the value when an external linear guide is used.
- Holding force is lost while power is not supplied, and loads and external force in the vertical direction cannot be maintained. Choose the type with electromagnetic brake for vertical drive.

Operating Speed – Thrust

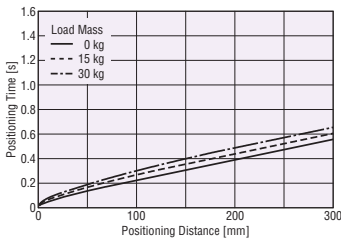


Positioning Distance – Positioning Time

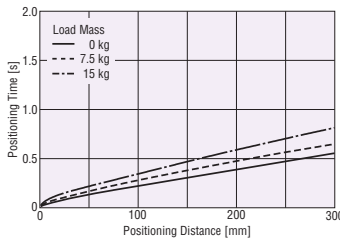
The positioning time (reference) can be checked from the positioning distance.

12 mm Lead

Horizontal Direction Installation

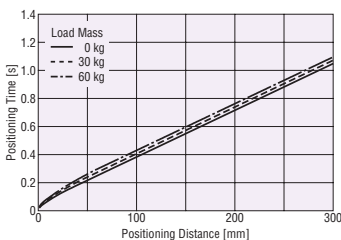


Vertical Direction Installation

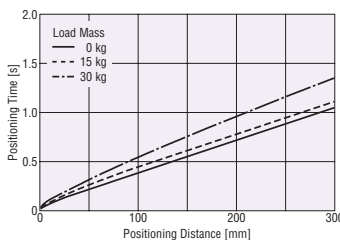


6 mm Lead

Horizontal Direction Installation



Vertical Direction Installation



Note

- The starting speed should be 6 mm/s or less.

Dimensions

- Motorized Cylinders → Page 87

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

Motorized Linear Slides

QSTEP AZ/AR Equipped EZS

Motorized Cylinders

QSTEP AZ/AR Equipped EAC

Accessories

Product Number Code

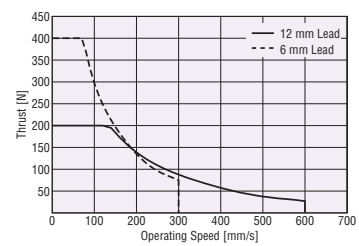
Product Series	Lead	Stroke	Installed Motor	Motor Shape	Power Supply Input	Driver Type	Connection Cable*
EAC6	D	05	AZ	A	K	D	-1
EAC6	D: 12 mm E: 6 mm	05: 50 mm 10: 100 mm 15: 150 mm ~ 30: 300 mm (50 mm increments)	AZ Series	A: Single Shaft M: With Electromagnetic Brake	K: 24 VDC/48 VDC	D: Built-in Controller Type Blank: Pulse Input Type	Number: Included Connection Cable Length -1: 1 m -2: 2 m -3: 3 m Blank: Connection Cable Not Included

*Connection cables with a length of more than 3 m are available as accessories (sold separately), Connection Cable Sets → Page 104

Motorized Cylinder Specifications

Lead	mm	12	6
Electromagnetic Brake (Power off activated type)		Equipped	Not provided
Drive System		Ball screw	
Repetitive Positioning Accuracy	mm	±0.02	
Minimum Traveling Amount	mm	0.01	
Permissible Moment	Dynamic Permissible Moment	Do not apply radial load or load moment to the rod of the motorized cylinders. Make sure to provide a guide although a simple anti-spin mechanism is already provided.	
	Static Permissible Moment		
Transportable Mass	Horizontal	~30	~60
	Vertical	~15	~30
Thrust	N	~200	~400
Pushing Force	N	400	500
Holding Force	N	200	400
Maximum Speed	mm/s	600	300

Operating Speed – Thrust



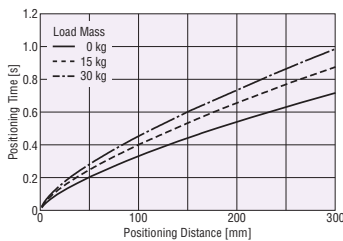
- For the specifications and characteristics for 48 VDC input, contact the nearest Oriental Motor sales office.
- The transportable mass is the value when an external linear guide is used.
- Holding force is lost while power is not supplied, and loads and external force in the vertical direction cannot be maintained. Choose the type with electromagnetic brake for vertical drive.
- The maximum speed may decrease depending on the ambient temperature and motor cable length.

Positioning Distance – Positioning Time

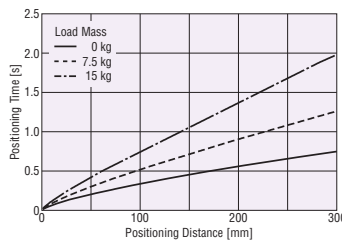
The positioning time (reference) can be checked from the positioning distance.

12 mm Lead

Horizontal Direction Installation

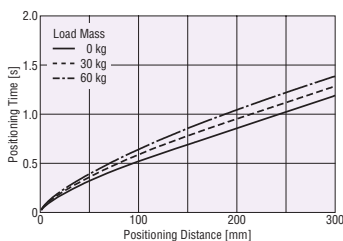


Vertical Direction Installation

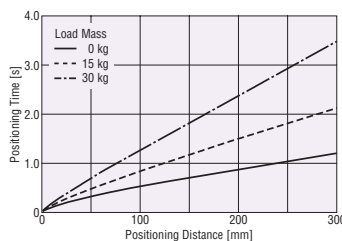


6 mm Lead

Horizontal Direction Installation



Vertical Direction Installation



Note

- The starting speed should be 6 mm/s or less.

Dimensions

● Motorized Cylinders → Page 86

EAC6R: Frame Size 60 mm×60 mm 24 VDC Input Side-Mounted Type

Product Number Code

Product Series	Motor Installing Direction	Lead	Stroke	Installed Motor	Motor Shape	Power Supply Input	Driver Type	Connection Cable*
EAC6	R	D	05	AZ	A	K	D	-1
EAC6	R : Side-Mounted Motor	D : 12 mm E : 6 mm	05 : 50 mm 10 : 100 mm 15 : 150 mm ~ 30 : 300 mm (50 mm increments)	AZ Series	A : Single Shaft M : With Electromagnetic Brake	K : 24 VDC/48 VDC	D : Built-in Controller Type Blank: Pulse Input Type	Number: Included Connection Cable Length -1 : 1 m -2 : 2 m -3 : 3 m Blank: Connection Cable Not Included

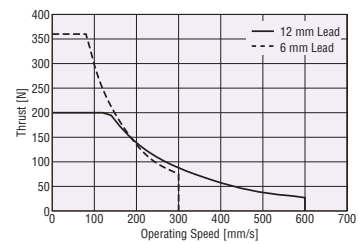
*Connection cables with a length of more than 3 m are available as accessories (sold separately). Connection Cable Sets → Page 104

Motorized Cylinder Specifications

Lead	mm	12	6
Electromagnetic Brake (Power off activated type)		Equipped	Not provided
Drive System		Ball screw	
Repetitive Positioning Accuracy	mm	±0.02	
Minimum Traveling Amount	mm	0.01	
Permissible Moment	Dynamic Permissible Moment	Do not apply radial load or load moment to the rod of the motorized cylinders. Make sure to provide a guide although a simple anti-spin mechanism is already provided.	
	Static Permissible Moment		
Transportable Mass	Horizontal	~30	~60
	Vertical	~15	~30
Thrust	N	~200	~360
Pushing Force	N	400	500
Holding Force	N	200	360
Maximum Speed	mm/s	600	300

- For the specifications and characteristics for 48 VDC input, contact the nearest Oriental Motor sales office.
- The transportable mass is the value when an external linear guide is used.
- Holding force is lost while power is not supplied, and loads and external force in the vertical direction cannot be maintained. Choose the type with electromagnetic brake for vertical drive.
- The maximum speed may decrease depending on the ambient temperature and motor cable length.

Operating Speed – Thrust

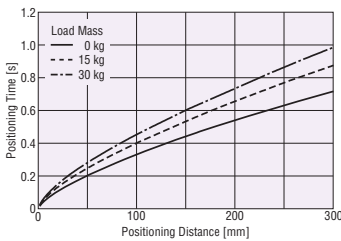


Positioning Distance – Positioning Time

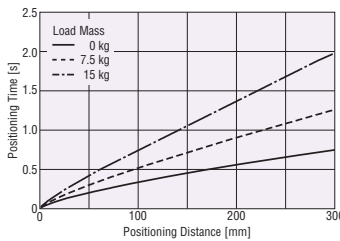
The positioning time (reference) can be checked from the positioning distance.

12 mm Lead

Horizontal Direction Installation

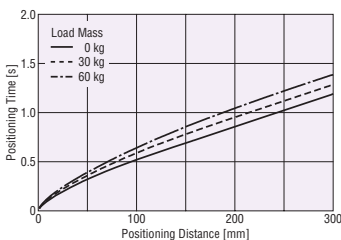


Vertical Direction Installation

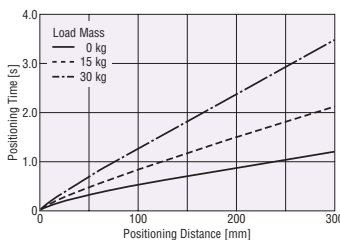


6 mm Lead

Horizontal Direction Installation



Vertical Direction Installation



Note

- The starting speed should be 6 mm/s or less.

Dimensions

- Motorized Cylinders → Page 87

EAC4W: Frame Size 42 mm×114 mm AC Power Supply Input Standard Type With Shaft Guide (With cover)

Motorized
Linear
Slides

Q-STEP
AZ/AR
Equipped
EZS

Motorized
Cylinders

Q-STEP
AZ/AR
Equipped
EAC

Accessories

Product Number Code

Product Series	Shaft Guide	Lead	Stroke	Installed Motor	Motor Shape	Power Supply Input	Driver Type	Connection Cable*	Shaft Guide Cover
EAC4	W	D	05	AZ	A	A	D	-1	-G
EAC4	W : With Shaft Guide	D : 12 mm E : 6 mm	05 : 50 mm 10 : 100 mm 15 : 150 mm ~ 30 : 300 mm (50 mm increments)	AZ Series	A : Single Shaft M : With Electromagnetic Brake	A : Single-Phase 100-120 VAC C : Single-Phase/Three-Phase 200-240 VAC	D : Built-in Controller Type Blank: Pulse Input Type	Number: Included Connection Cable Length -1 : 1 m -2 : 2 m -3 : 3 m Blank: Connection Cable Not Included	-G : With Shaft Guide Cover Blank: Without Shaft Guide Cover

*Connection cables with a length of more than 3 m are available as accessories (sold separately). Connection Cable Sets → Page 102

Motorized Cylinder Specifications

Lead	mm	12	6		
Electromagnetic Brake (Power off activated type)		Equipped	Not provided	Equipped	Not provided
Drive System		Ball screw			
Repetitive Positioning Accuracy	mm	±0.02			
Minimum Traveling Amount	mm	0.01			
Permissible Moment	Dynamic Permissible Moment	M _p : 1.3 M _v : 1.3 M _R : 0.6			
	Static Permissible Moment	M _p : 3.7 M _v : 3.7 M _R : 3.0			
Transportable Mass	Horizontal	~15		~30	
	Vertical	~6	—	~13	—
Thrust	N	~70		~140	
Pushing Force	N	100		200	
Holding Force	N	70		140	
Maximum Speed	mm/s	600		300	

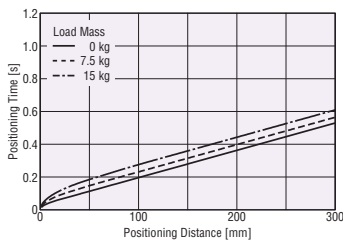
- The transportable mass is the value when an external linear guide is used. When not using a linear guide, refer to "Horizontal Transportable Mass".
- Holding force is lost while power is not supplied, and loads and external force in the vertical direction cannot be maintained. Choose the type with electromagnetic brake for vertical drive.

Positioning Distance – Positioning Time

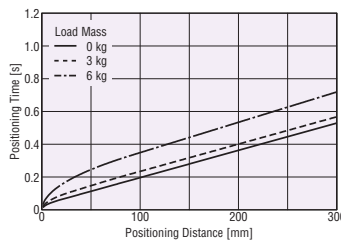
The positioning time (reference) can be checked from the positioning distance.

12 mm Lead

Horizontal Direction Installation

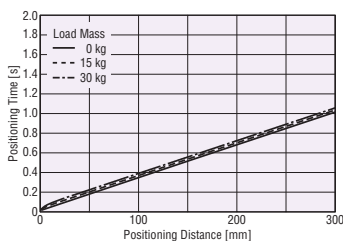


Vertical Direction Installation

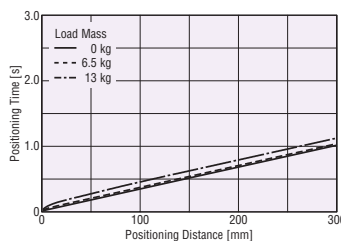


6 mm Lead

Horizontal Direction Installation



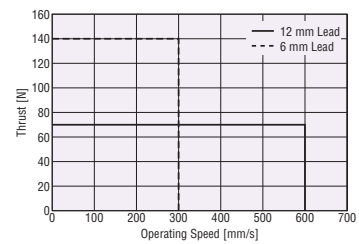
Vertical Direction Installation



Note

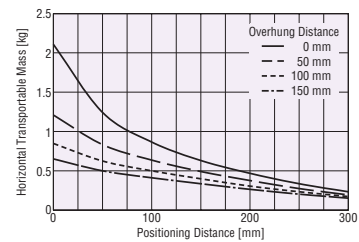
- The starting speed should be 6 mm/s or less.

Operating Speed – Thrust

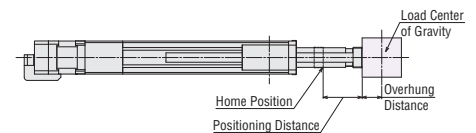


Horizontal Transportable Mass

Positioning Distance – Horizontal Transportable Mass



Products with shaft guide and 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

- Motorized Cylinders → Page 89

EAC4RW: Frame Size 42 mm×114 mm AC Power Supply Input Side-Mounted Type With Shaft Guide (With cover)

Product Number Code

Product Series	Motor Installing Direction	Shaft Guide	Lead	Stroke	Installed Motor	Motor Shape	Power Supply Input	Driver Type	Connection Cable*	Shaft Guide Cover
EAC4	R	W	D	05	AZ	A	A	D	-1	-G
EAC4	R : Side-Mounted Motor	W : With Shaft Guide	D : 12 mm E : 6 mm	05 : 50 mm 10 : 100 mm 15 : 150 mm ~ 30 : 300 mm (50 mm increments)	AZ Series	A : Single Shaft M : With Electromagnetic Brake	A : Single-Phase 100-120 VAC C : Single-Phase/Three-Phase 200-240 VAC	D : Built-in Controller Type Blank: Pulse Input Type	Number: Included Connection Cable Length -1 : 1 m -2 : 2 m -3 : 3 m Blank: Connection Cable Not Included	-G : With Shaft Guide Cover Blank: Without Shaft Guide Cover

*Connection cables with a length of more than 3 m are available as accessories (sold separately). Connection Cable Sets → Page 102

Motorized Cylinder Specifications

Lead	mm	12	6
Electromagnetic Brake (Power off activated type)		Equipped	Not provided
Drive System		Ball screw	
Repetitive Positioning Accuracy	mm	±0.02	
Minimum Traveling Amount	mm	0.01	
Permissible Moment	Dynamic Permissible Moment	M _p : 1.3 M _v : 1.3 M _R : 0.6	
	Static Permissible Moment	M _p : 3.7 M _v : 3.7 M _R : 3.0	
Transportable Mass	Horizontal	~15	~30
	Vertical	~6	~11.5
Thrust	N	~70	~125
Pushing Force	N	100	200
Holding Force	N	70	125
Maximum Speed	mm/s	600	300

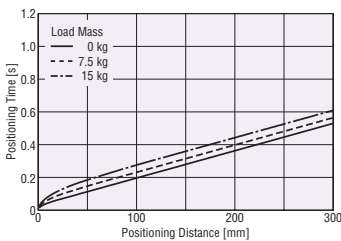
- The transportable mass is the value when an external linear guide is used. When not using a linear guide, refer to "Horizontal Transportable Mass".
- Holding force is lost while power is not supplied, and loads and external force in the vertical direction cannot be maintained. Choose the type with electromagnetic brake for vertical drive.

Positioning Distance – Positioning Time

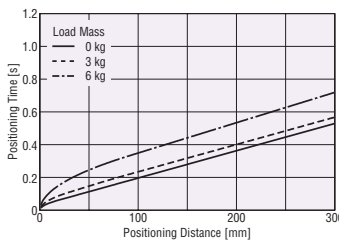
The positioning time (reference) can be checked from the positioning distance.

12 mm Lead

◇ Horizontal Direction Installation



◇ Vertical Direction Installation

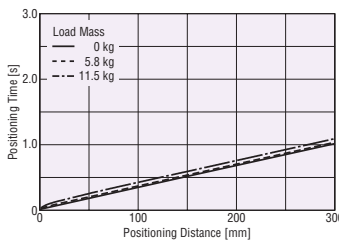


6 mm Lead

◇ Horizontal Direction Installation



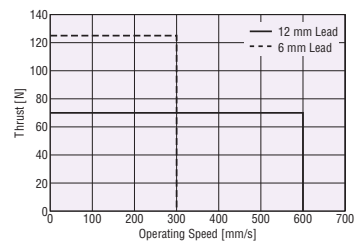
◇ Vertical Direction Installation



Note

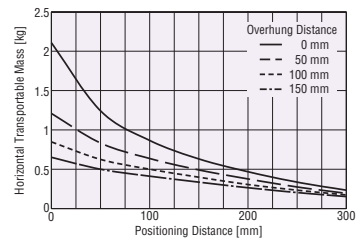
- The starting speed should be 6 mm/s or less.

Operating Speed – Thrust

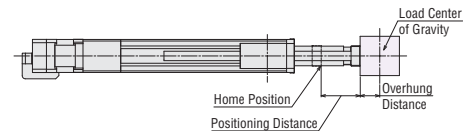


Horizontal Transportable Mass

◇ Positioning Distance – Horizontal Transportable Mass



Products with shaft guide and 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

● Motorized Cylinders → Page 90

EAC4W: Frame Size 42 mm×114 mm 24 VDC Input Standard Type With Shaft Guide (With cover)

Motorized
Linear
Slides

Q-STEP
AZ/AR
Equipped
EZS

Motorized
Cylinders

Q-STEP
AZ/AR
Equipped
EAC

Accessories

Product Number Code

Product Series	Shaft Guide	Lead	Stroke	Installed Motor	Motor Shape	Power Supply Input	Driver Type	Connection Cable*	Shaft Guide Cover
EAC4	W	D	05	AZ	A	K	D	-1	-G
EAC4	W : With Shaft Guide	D : 12 mm E : 6 mm	05 : 50 mm 10 : 100 mm 15 : 150 mm ~ 30 : 300 mm (50 mm increments)	AZ Series	A : Single Shaft M : With Electromagnetic Brake	K : 24 VDC/48 VDC	D : Built-in Controller Type Blank: Pulse Input Type	Number: Included Connection Cable Length -1 : 1 m -2 : 2 m -3 : 3 m Blank: Connection Cable Not Included	-G : With Shaft Guide Cover Blank: Without Shaft Guide Cover

*Connection cables with a length of more than 3 m are available as accessories (sold separately). Connection Cable Sets → Page 104

Motorized Cylinder Specifications

Lead	mm	12	6
Electromagnetic Brake (Power off activated type)		Equipped	Not provided
Drive System		Ball screw	
Repetitive Positioning Accuracy	mm	±0.02	
Minimum Traveling Amount	mm	0.01	
Permissible Moment	Dynamic Permissible Moment	Mp: 1.3 Mr: 1.3 Mr: 0.6	
	Static Permissible Moment	Ms: 3.7 Ms: 3.7 Ms: 3.0	
Transportable Mass	Horizontal	~15	~30
	Vertical	~6	~13
Thrust	N	~70	~140
Pushing Force	N	100	200
Holding Force	N	70	140
Maximum Speed	mm/s	600	300

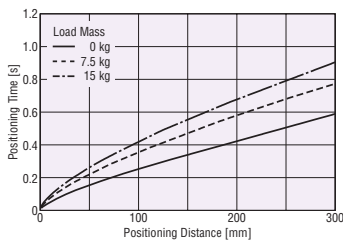
- For the specifications and characteristics for 48 VDC input, contact the nearest Oriental Motor sales office.
- The transportable mass is the value when an external linear guide is used.
When not using a linear guide, refer to "Horizontal Transportable Mass".
- Holding force is lost while power is not supplied, and loads and external force in the vertical direction cannot be maintained.
Choose the type with electromagnetic brake for vertical drive.
- The maximum speed may decrease depending on the ambient temperature and motor cable length.

Positioning Distance – Positioning Time

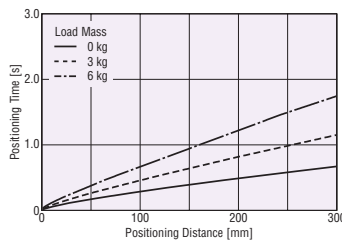
The positioning time (reference) can be checked from the positioning distance.

12 mm Lead

Horizontal Direction Installation



Vertical Direction Installation

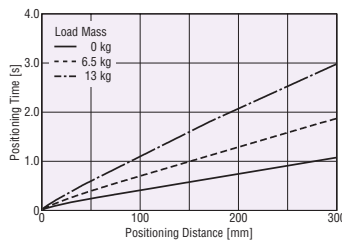


6 mm Lead

Horizontal Direction Installation



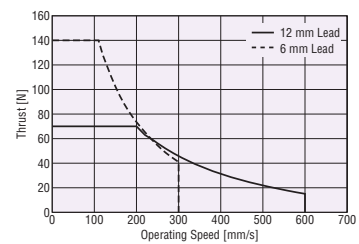
Vertical Direction Installation



Note

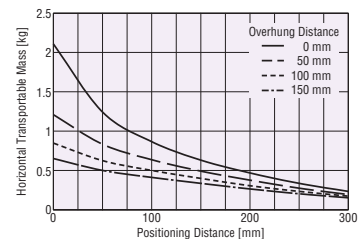
- The starting speed should be 6 mm/s or less.

Operating Speed – Thrust

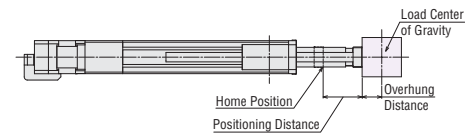


Horizontal Transportable Mass

Positioning Distance – Horizontal Transportable Mass



Products with shaft guide and 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

- Motorized Cylinders → Page 89

EAC4RW: Frame Size 42 mm×114 mm 24 VDC Input Side-Mounted Type With Shaft Guide (With cover)

Product Number Code

Product Series	Motor Installing Direction	Shaft Guide	Lead	Stroke	Installed Motor	Motor Shape	Power Supply Input	Driver Type	Connection Cable*	Shaft Guide Cover
EAC4	R	W	D	05	AZ	A	K	D	-1	-G
EAC4	R : Side-Mounted Motor	W : With Shaft Guide	D : 12 mm E : 6 mm	05 : 50 mm 10 : 100 mm 15 : 150 mm ~ 30 : 300 mm (50 mm increments)	AZ Series	A : Single Shaft M : With Electromagnetic Brake	K : 24 VDC/48 VDC	D : Built-in Controller Type Blank: Pulse Input Type	Number: Included Connection Cable Length -1 : 1 m -2 : 2 m -3 : 3 m Blank: Connection Cable Not Included	-G : With Shaft Guide Cover Blank: Without Shaft Guide Cover

*Connection cables with a length of more than 3 m are available as accessories (sold separately). Connection Cable Sets → Page 104

Motorized Cylinder Specifications

Lead	mm	12	6		
Electromagnetic Brake (Power off activated type)		Equipped	Not provided	Equipped	Not provided
Drive System		Ball screw			
Repetitive Positioning Accuracy	mm	±0.02			
Minimum Traveling Amount	mm	0.01			
Permissible Moment	Dynamic Permissible Moment	M _p : 1.3 M _v : 1.3 M _R : 0.6			
	Static Permissible Moment	M _p : 3.7 M _v : 3.7 M _R : 3.0			
Transportable Mass	Horizontal	~15		~30	
	Vertical	~6	—	~11.5	—
Thrust	N	~70	—	~125	—
Pushing Force	N	100	—	200	—
Holding Force	N	70	—	125	—
Maximum Speed	mm/s	600	—	300	—

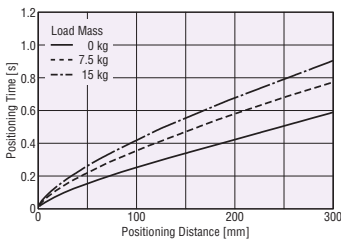
- For the specifications and characteristics for 48 VDC input, contact the nearest Oriental Motor sales office.
- The transportable mass is the value when an external linear guide is used. When not using a linear guide, refer to "Horizontal Transportable Mass".
- Holding force is lost while power is not supplied, and loads and external force in the vertical direction cannot be maintained. Choose the type with electromagnetic brake for vertical drive.
- The maximum speed may decrease depending on the ambient temperature and motor cable length.

Positioning Distance – Positioning Time

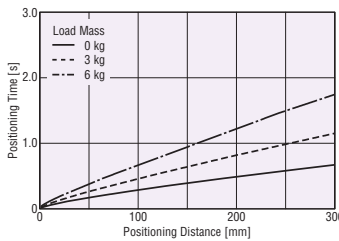
The positioning time (reference) can be checked from the positioning distance.

12 mm Lead

◇ Horizontal Direction Installation

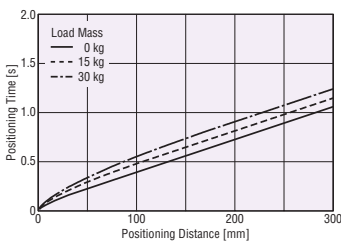


◇ Vertical Direction Installation

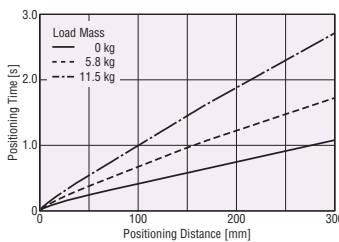


6 mm Lead

◇ Horizontal Direction Installation



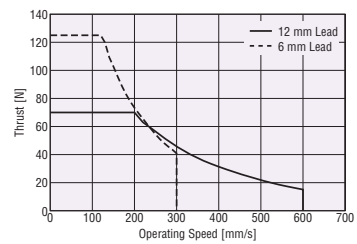
◇ Vertical Direction Installation



Note

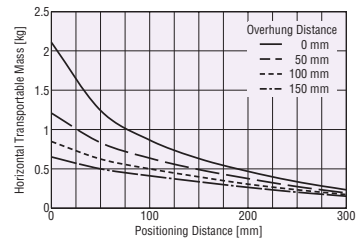
- The starting speed should be 6 mm/s or less.

Operating Speed – Thrust

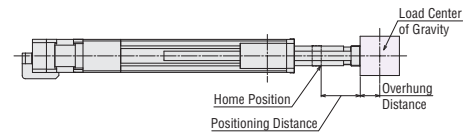


Horizontal Transportable Mass

◇ Positioning Distance – Horizontal Transportable Mass



Products with shaft guide and 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

● Motorized Cylinders → Page 90

EAC6W: Frame Size 60 mm×156 mm AC Power Supply Input Standard Type With Shaft Guide (With cover)

Motorized
Linear
Slides

Q-STEP
AZ/AR
Equipped
EZS

Motorized
Cylinders

Q-STEP
AZ/AR
Equipped
EAC

Accessories

Product Number Code

Product Series	Shaft Guide	Lead	Stroke	Installed Motor	Motor Shape	Power Supply Input	Driver Type	Connection Cable*	Shaft Guide Cover
EAC6	W	D	05	AZ	A	A	D	-1	-G
EAC6	W : With Shaft Guide	D : 12 mm E : 6 mm	05 : 50 mm 10 : 100 mm 15 : 150 mm ~ 30 : 300 mm (50 mm increments)	AZ Series	A : Single Shaft M : With Electromagnetic Brake	A : Single-Phase 100-120 VAC C : Single-Phase/Three-Phase 200-240 VAC	D : Built-in Controller Type Blank: Pulse Input Type	Number: Included Connection Cable Length -1 : 1 m -2 : 2 m -3 : 3 m Blank: Connection Cable Not Included	-G : With Shaft Guide Cover Blank: Without Shaft Guide Cover

*Connection cables with a length of more than 3 m are available as accessories (sold separately). Connection Cable Sets → Page 102

Motorized Cylinder Specifications

Lead	mm	12	6		
Electromagnetic Brake (Power off activated type)		Equipped	Not provided	Equipped	Not provided
Drive System		Ball screw			
Repetitive Positioning Accuracy	mm	±0.02			
Minimum Traveling Amount	mm	0.01			
Permissible Moment	Dynamic Permissible Moment	M _D : 2.2 M _V : 2.2 M _R : 1.3			
	Static Permissible Moment	M _S : 7.8 M _V : 7.8 M _R : 3.0			
Transportable Mass	Horizontal	~30		~60	
	Vertical	~13	—	~28	—
Thrust	N	~200		~400	
Pushing Force	N	400		500	
Holding Force	N	200		400	
Maximum Speed	mm/s	600		300	

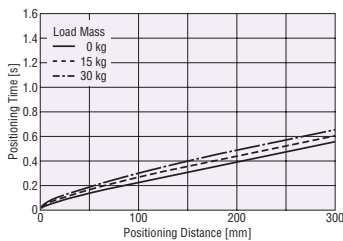
- The transportable mass is the value when an external linear guide is used. When not using a linear guide, refer to "Horizontal Transportable Mass".
- Holding force is lost while power is not supplied, and loads and external force in the vertical direction cannot be maintained. Choose the type with electromagnetic brake for vertical drive.

Positioning Distance – Positioning Time

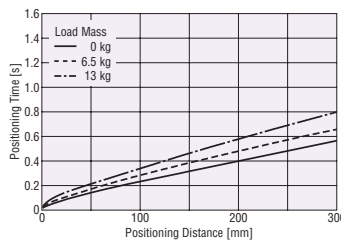
The positioning time (reference) can be checked from the positioning distance.

12 mm Lead

Horizontal Direction Installation

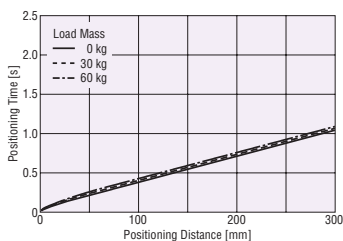


Vertical Direction Installation

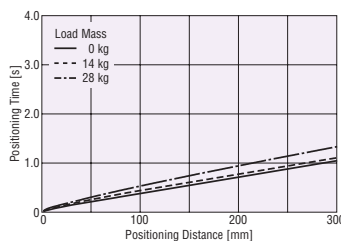


6 mm Lead

Horizontal Direction Installation



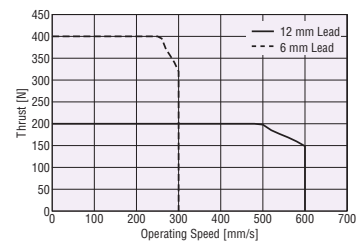
Vertical Direction Installation



Note

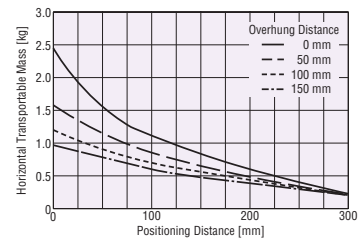
- The starting speed should be 6 mm/s or less.

Operating Speed – Thrust

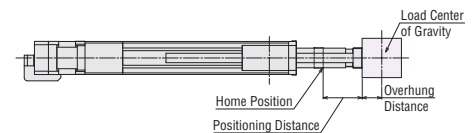


Horizontal Transportable Mass

Positioning Distance – Horizontal Transportable Mass



Products with shaft guide and 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

- Motorized Cylinders → Page 91

EAC6RW: Frame Size 60 mm×156 mm AC Power Supply Input Side-Mounted Type With Shaft Guide (With cover)

Product Number Code

Product Series	Motor Installing Direction	Shaft Guide	Lead	Stroke	Installed Motor	Motor Shape	Power Supply Input	Driver Type	Connection Cable*	Shaft Guide Cover
EAC6	R	W	D	05	AZ	A	A	D	-1	-G
EAC6	R : Side-Mounted Motor	W : With Shaft Guide	D : 12 mm E : 6 mm	05 : 50 mm 10 : 100 mm 15 : 150 mm ~ 30 : 300 mm (50 mm increments)	AZ Series	A : Single Shaft M : With Electromagnetic Brake	A : Single-Phase 100-120 VAC C : Single-Phase/Three-Phase 200-240 VAC	D : Built-in Controller Type Blank: Pulse Input Type	Number: Included Connection Cable Length -1 : 1 m -2 : 2 m -3 : 3 m Blank: Connection Cable Not Included	-G : With Shaft Guide Cover Blank: Without Shaft Guide Cover

*Connection cables with a length of more than 3 m are available as accessories (sold separately). Connection Cable Sets → Page 102

Motorized Cylinder Specifications

Lead	mm	12	6
Electromagnetic Brake (Power off activated type)		Equipped	Not provided
Drive System		Ball screw	
Repetitive Positioning Accuracy	mm	±0.02	
Minimum Traveling Amount	mm	0.01	
Permissible Moment	Dynamic Permissible Moment	Mr: 2.2	Mr: 2.2
	Static Permissible Moment	Mr: 7.8	Mr: 7.8
Transportable Mass	Horizontal	~30	~60
	Vertical	~13	~28
Thrust	N	~200	~360
Pushing Force	N	400	500
Holding Force	N	200	360
Maximum Speed	mm/s	600	300

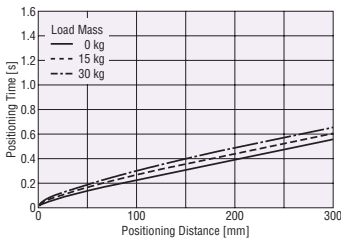
- The transportable mass is the value when an external linear guide is used. When not using a linear guide, refer to "Horizontal Transportable Mass".
- Holding force is lost while power is not supplied, and loads and external force in the vertical direction cannot be maintained. Choose the type with electromagnetic brake for vertical drive.

Positioning Distance – Positioning Time

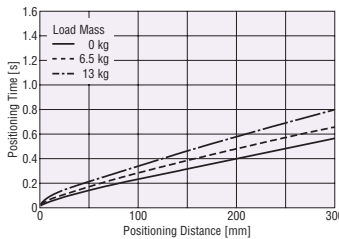
The positioning time (reference) can be checked from the positioning distance.

12 mm Lead

Horizontal Direction Installation

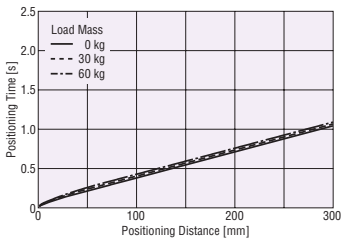


Vertical Direction Installation

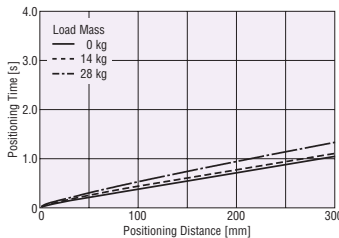


6 mm Lead

Horizontal Direction Installation



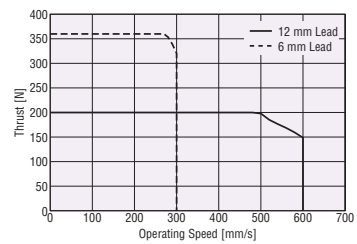
Vertical Direction Installation



Note

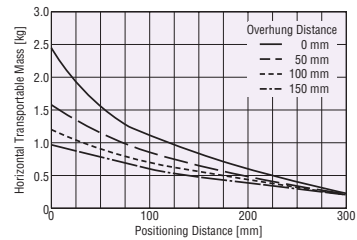
- The starting speed should be 6 mm/s or less.

Operating Speed – Thrust

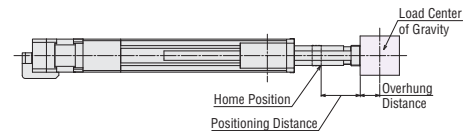


Horizontal Transportable Mass

Positioning Distance – Horizontal Transportable Mass



Products with shaft guide and 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

Motorized Cylinders → Page 92

EAC6W: Frame Size 60 mm×156 mm 24 VDC Input Standard Type With Shaft Guide (With cover)

Motorized
Linear
Slides

Q-STEP
AZ/AR
Equipped
EZS

Motorized
Cylinders

Q-STEP
AZ/AR
Equipped
EAC

Accessories

Product Number Code

Product Series	Shaft Guide	Lead	Stroke	Installed Motor	Motor Shape	Power Supply Input	Driver Type	Connection Cable*	Shaft Guide Cover
EAC6	W	D	05	AZ	A	K	D	-1	-G
EAC6	W : With Shaft Guide	D : 12 mm E : 6 mm	05 : 50 mm 10 : 100 mm 15 : 150 mm ~ 30 : 300 mm (50 mm increments)	AZ Series	A : Single Shaft M : With Electromagnetic Brake	K : 24 VDC/48 VDC	D : Built-in Controller Type Blank: Pulse Input Type	Number: Included Connection Cable Length -1 : 1 m -2 : 2 m -3 : 3 m Blank: Connection Cable Not Included	-G : With Shaft Guide Cover Blank: Without Shaft Guide Cover

*Connection cables with a length of more than 3 m are available as accessories (sold separately). Connection Cable Sets → Page 104

Motorized Cylinder Specifications

Lead	mm	12	6
Electromagnetic Brake (Power off activated type)		Equipped	Not provided
Drive System		Ball screw	
Repetitive Positioning Accuracy	mm	±0.02	
Minimum Traveling Amount	mm	0.01	
Permissible Moment	Dynamic Permissible Moment	M _D : 2.2 M _V : 2.2 M _R : 1.3	
	Static Permissible Moment	M _S : 7.8 M _V : 7.8 M _S : 3.0	
Transportable Mass	Horizontal	~30	
	Vertical	~13	~28
Thrust	N	~200	~400
Pushing Force	N	400	500
Holding Force	N	200	400
Maximum Speed	mm/s	600	300

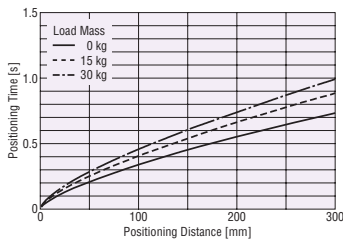
- For the specifications and characteristics for 48 VDC input, contact the nearest Oriental Motor sales office.
- The transportable mass is the value when an external linear guide is used.
When not using a linear guide, refer to "Horizontal Transportable Mass".
- Holding force is lost while power is not supplied, and loads and external force in the vertical direction cannot be maintained.
Choose the type with electromagnetic brake for vertical drive.
- The maximum speed may decrease depending on the ambient temperature and motor cable length.

Positioning Distance – Positioning Time

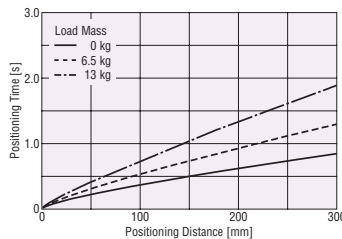
The positioning time (reference) can be checked from the positioning distance.

12 mm Lead

Horizontal Direction Installation

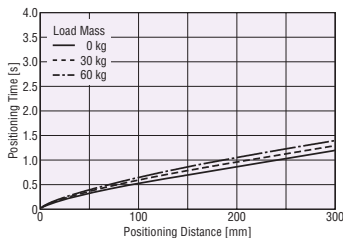


Vertical Direction Installation

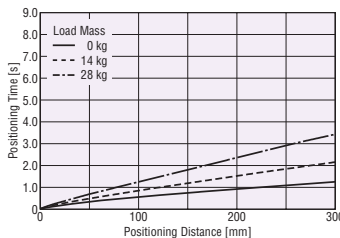


6 mm Lead

Horizontal Direction Installation



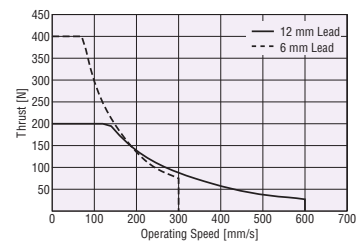
Vertical Direction Installation



Note

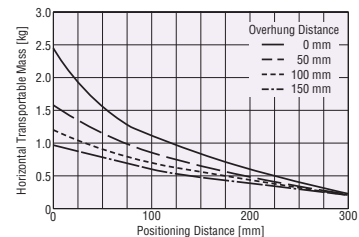
- The starting speed should be 6 mm/s or less.

Operating Speed – Thrust

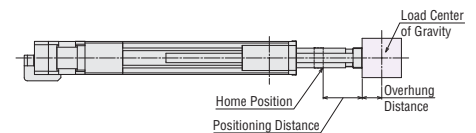


Horizontal Transportable Mass

Positioning Distance – Horizontal Transportable Mass



Products with shaft guide and 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

- Motorized Cylinders → Page 91

EAC6RW: Frame Size 60 mm×156 mm 24 VDC Input Side-Mounted Type With Shaft Guide (With cover)

Product Number Code

Product Series	Motor Installing Direction	Shaft Guide	Lead	Stroke	Installed Motor	Motor Shape	Power Supply Input	Driver Type	Connection Cable*	Shaft Guide Cover
EAC6	R	W	D	05	AZ	A	K	D	-1	-G
EAC6	R : Side-Mounted Motor	W : With Shaft Guide	D : 12 mm E : 6 mm	05 : 50 mm 10 : 100 mm 15 : 150 mm ~ 30 : 300 mm (50 mm increments)	AZ Series	A : Single Shaft M : With Electromagnetic Brake	K : 24 VDC/48 VDC	D : Built-in Controller Type Blank: Pulse Input Type	Number: Included Connection Cable Length -1 : 1 m -2 : 2 m -3 : 3 m Blank: Connection Cable Not Included	-G : With Shaft Guide Cover Blank: Without Shaft Guide Cover

*Connection cables with a length of more than 3 m are available as accessories (sold separately). Connection Cable Sets → Page 104

Motorized Cylinder Specifications

Lead	mm	12	6		
Electromagnetic Brake (Power off activated type)		Equipped	Not provided	Equipped	Not provided
Drive System		Ball screw			
Repetitive Positioning Accuracy	mm	±0.02			
Minimum Traveling Amount	mm	0.01			
Permissible Moment	Dynamic Permissible Moment	M _p : 2.2 M _v : 2.2 M _R : 1.3			
	Static Permissible Moment	M _p : 7.8 M _v : 7.8 M _R : 3.0			
Transportable Mass	Horizontal	~30		~60	
	Vertical	~13	—	~28	—
Thrust	N	~200	—	~360	—
Pushing Force	N	400	—	500	—
Holding Force	N	200	—	360	—
Maximum Speed	mm/s	600	—	300	—

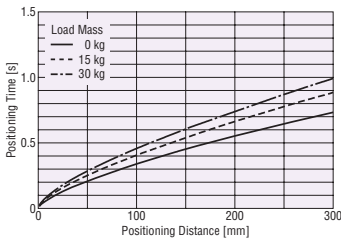
- For the specifications and characteristics for 48 VDC input, contact the nearest Oriental Motor sales office.
- The transportable mass is the value when an external linear guide is used. When not using a linear guide, refer to "Horizontal Transportable Mass".
- Holding force is lost while power is not supplied, and loads and external force in the vertical direction cannot be maintained. Choose the type with electromagnetic brake for vertical drive.
- The maximum speed may decrease depending on the ambient temperature and motor cable length.

Positioning Distance – Positioning Time

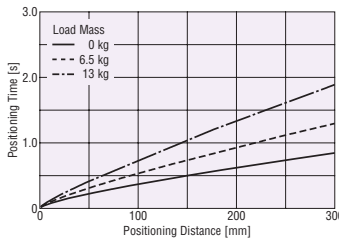
The positioning time (reference) can be checked from the positioning distance.

12 mm Lead

◇ Horizontal Direction Installation



◇ Vertical Direction Installation

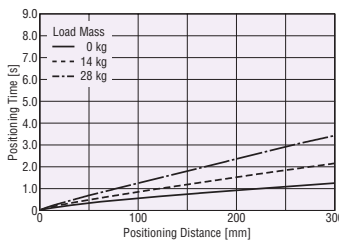


6 mm Lead

◇ Horizontal Direction Installation



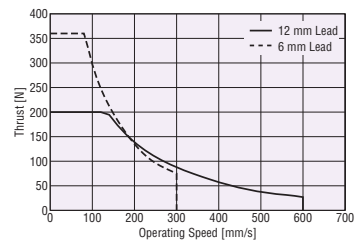
◇ Vertical Direction Installation



Note

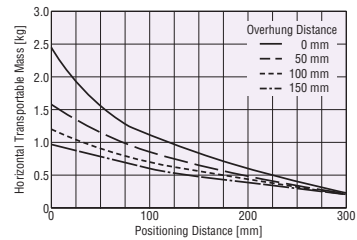
- The starting speed should be 6 mm/s or less.

Operating Speed – Thrust

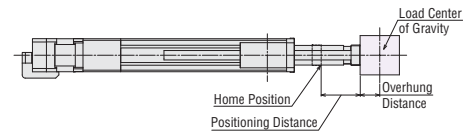


Horizontal Transportable Mass

◇ Positioning Distance – Horizontal Transportable Mass



Products with shaft guide and 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

● Motorized Cylinders → Page 92

Power Supply Input Specifications

AC Power Supply Input Driver

Product Name		EAC4	EAC6	
Main Power Supply Input	Voltage and Frequency	Single-Phase 100-120 VAC, Single-Phase/Three-Phase 200-240 VAC -15~+6% 50/60 Hz		
	Input Current A	Single-Phase 100-120 VAC	2.7	3.8
		Single-Phase 200-240 VAC	1.7	2.3
		Three-Phase 200-240 VAC	1	1.4
Control Power Source	Voltage	24 VDC±5%*		
	Input Current A	Without Electromagnetic Brake	0.25	0.25
		With Electromagnetic Brake	0.33	0.5

*For the electromagnetic brake type, the 24 VDC±4% specification applies if the wiring distance between the motor and driver is extended by 20 m using a cable.

DC Power Supply Input Driver

Product Name		EAC2	EAC4	EAC6	
Power Supply Input	Voltage	24 VDC±5%*	24 VDC±5%* 48 VDC±5%		
	Input Current A	Without Electromagnetic Brake	1.6	1.72	3.55
		With Electromagnetic Brake	—	1.8	3.8

*For the electromagnetic brake type, the 24 VDC±4% specification applies if the wiring distance between the motor and driver is extended by 20 m using a cable.

Electromagnetic Brake Specifications

Product Name	EAC4	EAC6
Type	Power off activated type	
Power Supply Voltage	24 VDC±5%*	
Power Supply Current A	0.08	0.25
Brake Activate Time ms	20	
Brake Release Time ms	30	
Time Rating	Continuous	

*For the electromagnetic brake type, the 24 VDC±4% specification applies if the wiring distance between the motor and driver is extended by 20 m using a cable.

General Specifications

Motor (AZ Series) Specifications

AC Power Supply Input:   DC Power Supply Input:  

Product Name		AC Power Supply Input	DC Power Supply Input
Heat-resistant Class		130 (B) [Recognized as 105 (A) by UL.]	
Insulation Resistance		The measured value is 100 MΩ or more when a 500 VDC megger is applied between the following locations: · Case – Motor Windings · Case – Electromagnetic Brake Windings*1	
Dielectric Strength Voltage		No abnormality is found with the following application for 1 minute: EAC4, EAC6 · Case – Motor Windings 1.5 kVAC 50 Hz or 60 Hz · Case – Electromagnetic Brake Windings*1 1.5 kVAC 50 Hz or 60 Hz	No abnormality is found with the following application for 1 minute: EAC2 · Case – Motor Windings 0.5 kVAC 50 Hz or 60 Hz EAC4, EAC6 · Case – Motor Windings 1.0 kVAC 50 Hz or 60 Hz · Case – Electromagnetic Brake Windings*1 1.0 kVAC 50 Hz or 60 Hz
Operating Environment (In operation)	Ambient Temperature	0~+40°C (Non-freezing)*3	
	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*2		EAC2 : IP40 (Excluding installation surfaces and connector locations) EAC4, EAC6 : IP66 (Excluding installation surfaces and connector locations)	
Range of Multi-rotation Detection Without Power Supplied		EAC2 : ±450 rotations (900 rotations) EAC4, EAC6 : ±900 rotations (1800 rotations)	

*1 Electromagnetic brake type only

*2 Motor only. Degree of protection of the motorized cylinder is IP00.

*3 Under the Oriental Motor's measurement conditions.

Note

● When measuring insulation resistance or performing a dielectric strength voltage test, be sure to disconnect the motor from the driver beforehand. Also, do not conduct these tests on the ABZO sensor section of the motor.

Driver Specifications

		AC Power Supply Input		DC Power Supply Input	
		Built-in Controller Type	Pulse Input Type	Built-in Controller Type	Pulse Input Type
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"> Protective Earth Terminal – Power Supply Terminal Encoder Connector – Power Supply Terminal I/O Signal Terminal – Power Supply Terminal 		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"> Protective Earth Terminal – Power Supply Terminal 	
Dielectric Strength Voltage		No abnormality is found with the following application for 1 minute: <ul style="list-style-type: none"> Protective Earth Terminal – Power Supply Terminal 1.5 kVAC 50 Hz/60 Hz Encoder Connector – Power Supply Terminal 1.8 kVAC 50 Hz/60 Hz I/O Signal Terminal – Power Supply Terminal 1.8 kVAC 50 Hz/60 Hz 		—	
Operating Environment (In operation)	Ambient Temperature	0~+55°C (Non-freezing)*		0~+50°C (Non-freezing)	
	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		IP10	IP20	IP10	
Range of Multi-rotation Detection Without Power Supplied		EAC2: ±450 rotations (900 rotations) EAC4, EAC6: ±900 rotations (1800 rotations)			

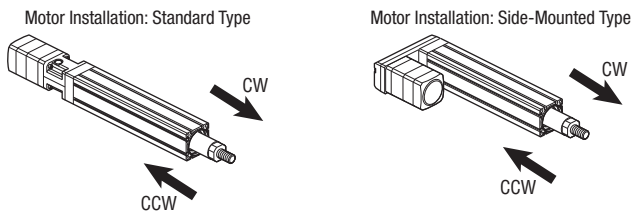
*When a heat sink is installed that is equivalent to an aluminum plate size of at least 200×200 mm and 2 mm thickness

Note

● When measuring insulation resistance or performing a dielectric strength voltage test, be sure to disconnect the motor from the driver beforehand.

Traveling Direction

The traveling direction of the rod is set by default as follows.

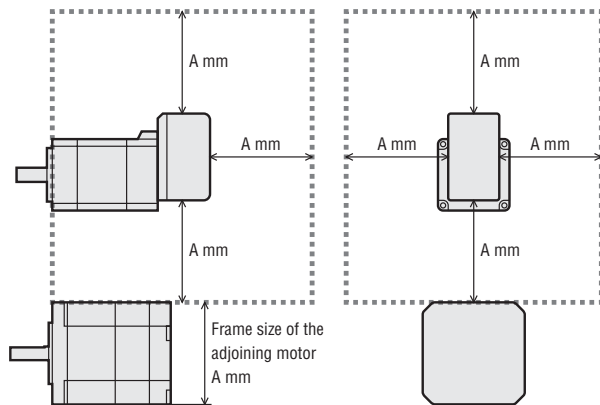


Actuator Installation

Since the ABZO sensor is easily affected by magnetism, exercise caution when determining the location to install the motor.

EAC2 Installation

When installing multiple motors next to each other, make sure that the distance between 2 motors in the horizontal and vertical directions is at least the frame size of the adjoining motor.



Reference

Adjoining Motor	A
Frame Size 20 mm	20
Frame Size 28 mm	28
Frame Size 42 mm	42
Frame Size 60 mm	60

When Installing an Actuator in an Environment in Which a Magnetic Field is Generated

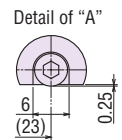
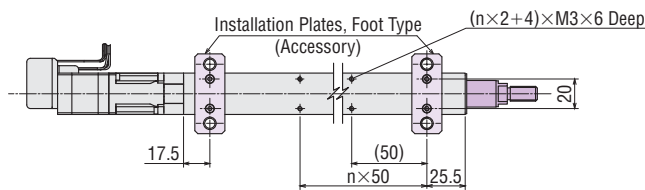
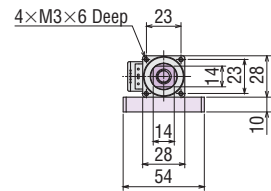
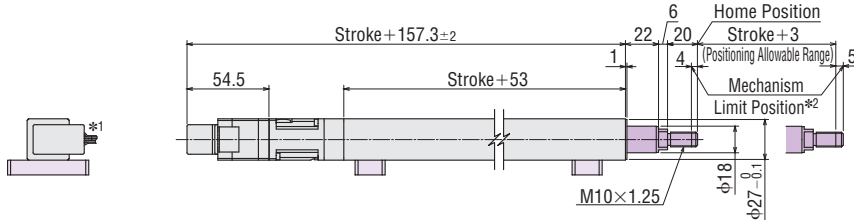
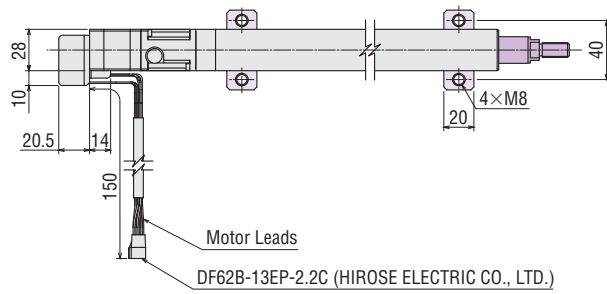
Ensure that the magnetic flux density on the ABZO sensor surface does not exceed the values listed below.

Product Name	Magnetic Flux Density
EAC2	2 mT*
EAC4, EAC6	10 mT

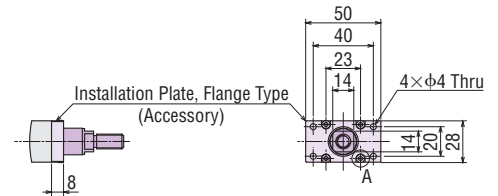
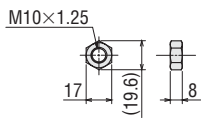
*If the magnetic flux density is between more than 1 mT and 2 mT, the ambient temperature must be between more than 20°C and 40°C.

Dimensions (Unit = mm)

- Motorized Cylinders
- ◇ EAC2 Standard Type



● Included nut (1 pc.)



*1 The motor lead outlet direction can be changed in 90° intervals in 4 directions.

*2 During the pushing return-to-home operation, the rod moves to the position limit of the mechanism. The pushing return-to-home operation cannot be performed on the opposite side of the motor.

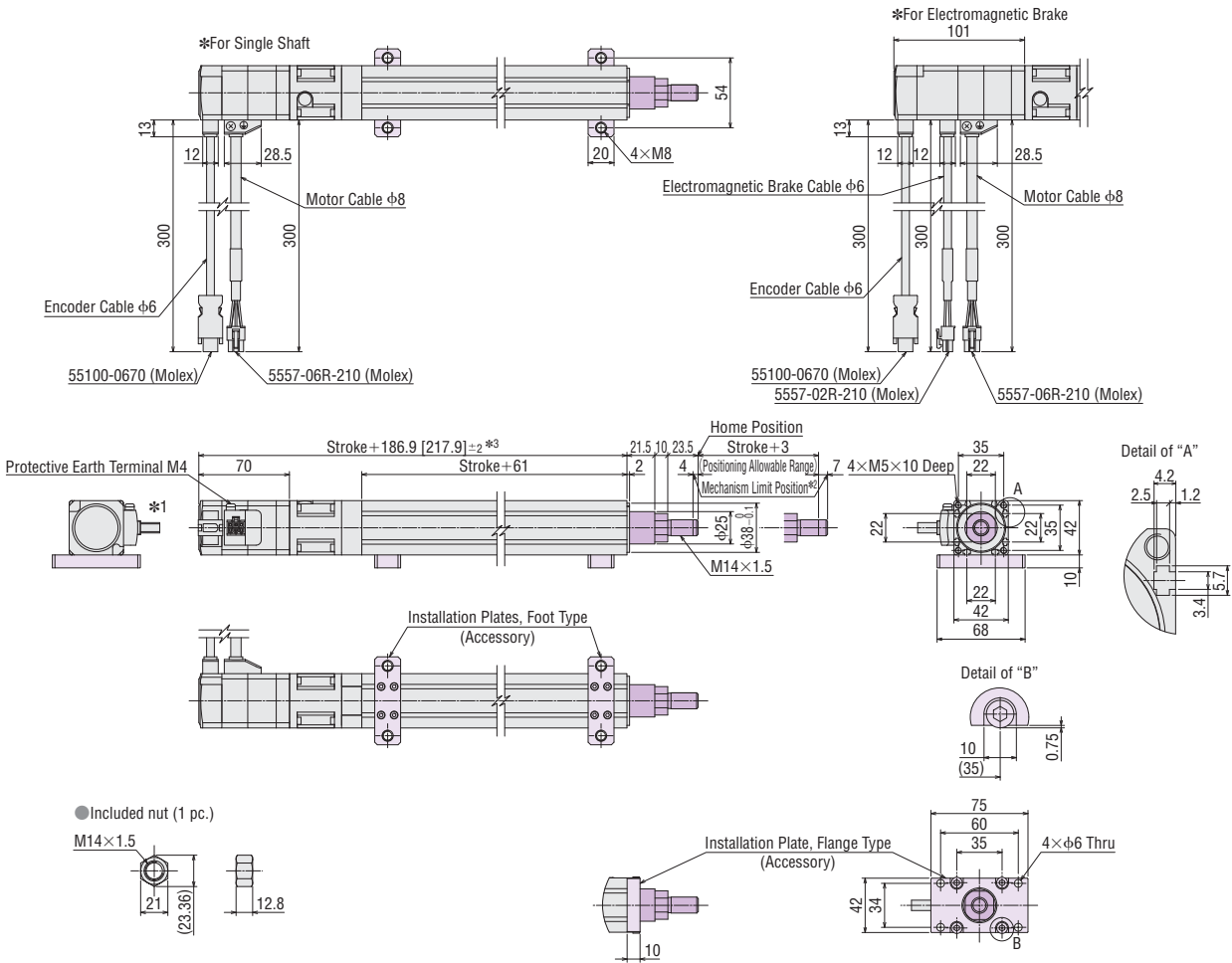
● The part is a movable part.

● The part is the installation plate (accessory).

Stroke [mm]	50	100	150
Hole Coefcient (n)	1	2	3
Mass [kg] Single Shaft	0.46	0.54	0.61

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

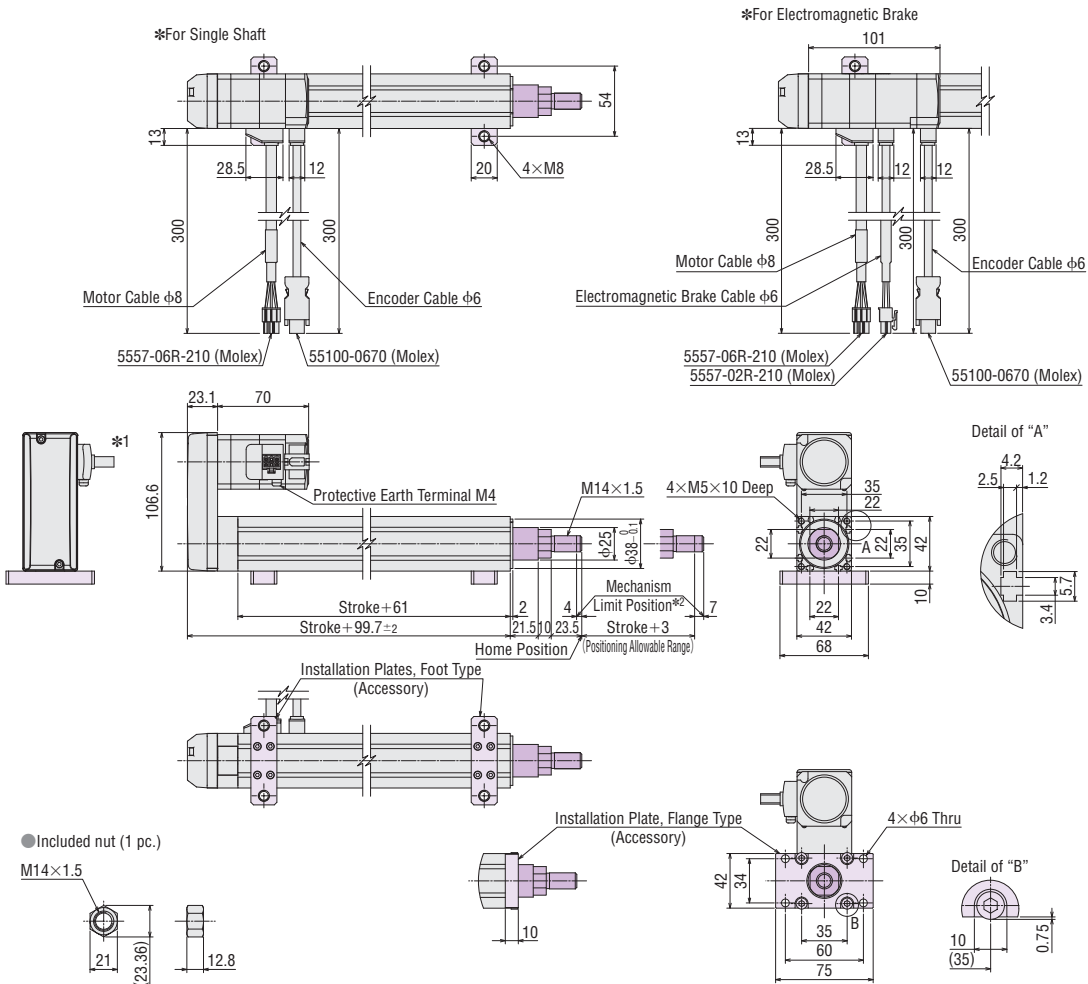
◇EAC4 Standard Type



- *1 The motor cable outlet direction can be changed in 90° intervals in 4 directions.
- *2 During the pushing return-to-home operation, the rod moves to the position limit of the mechanism. The pushing return-to-home operation cannot be performed on the opposite side of the motor.
- *3 [] indicate the value for a product with an electromagnetic brake.
- The [shaded] part is a movable part.
- The [shaded] part is the installation plate (accessory).

Stroke [mm]		50	100	150	200	250	300
Mass [kg]	Single Shaft	1.0	1.2	1.4	1.6	1.7	1.9
	With Electromagnetic Brake	1.2	1.4	1.6	1.8	1.9	2.1

◆ **EAC4R Side-Mounted Type**



*1 The motor cable outlet direction can be changed in 90° intervals in 3 directions.

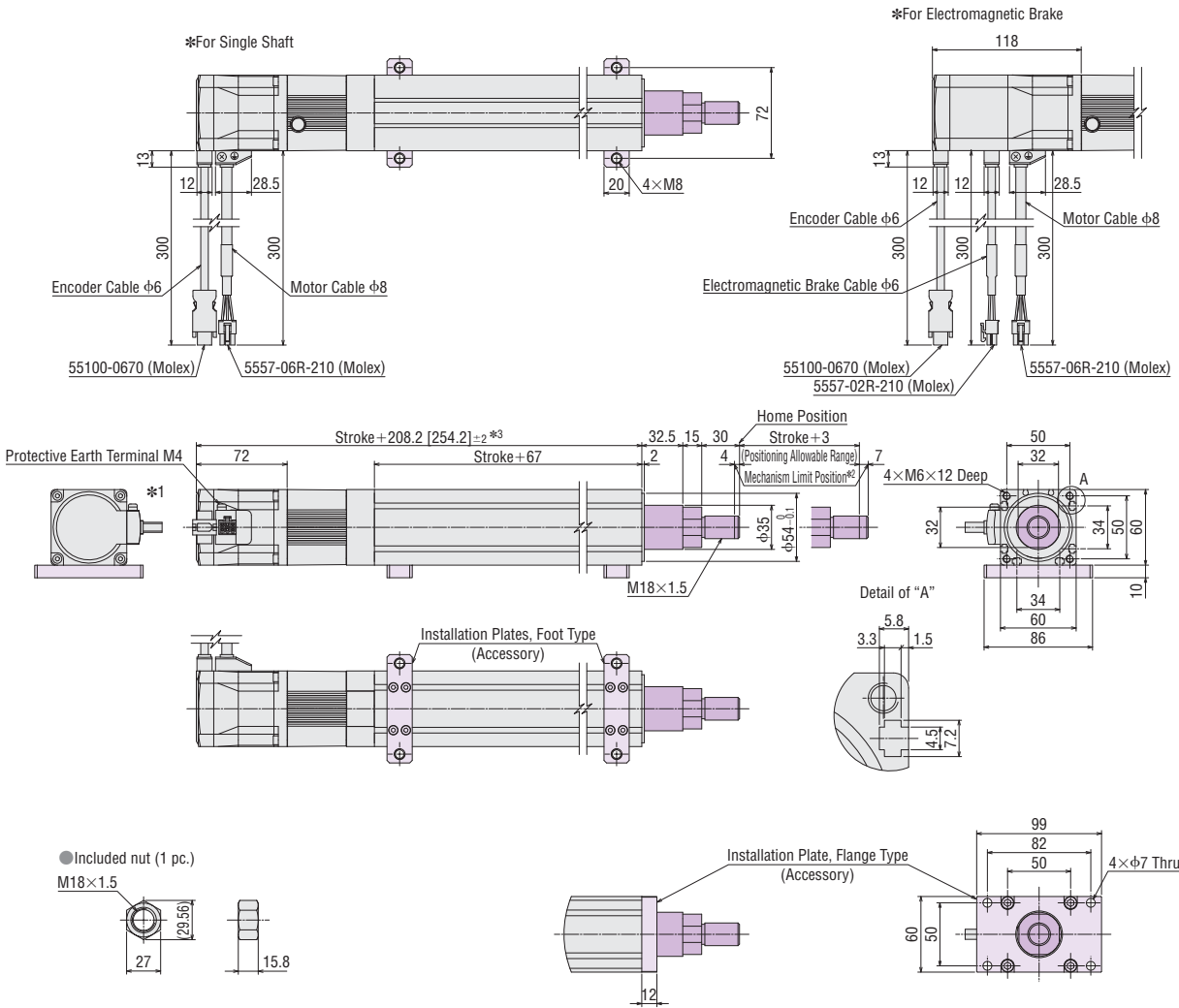
*2 During the pushing return-to-home operation, the rod moves to the position limit of the mechanism. The pushing return-to-home operation cannot be performed on the opposite side of the motor.

● The shaded part is a movable part.

● The shaded part is the installation plate (accessory).

Stroke [mm]		50	100	150	200	250	300
Mass [kg]	Single Shaft	1.0	1.2	1.4	1.6	1.7	1.9
	With Electromagnetic Brake	1.2	1.4	1.6	1.8	1.9	2.1

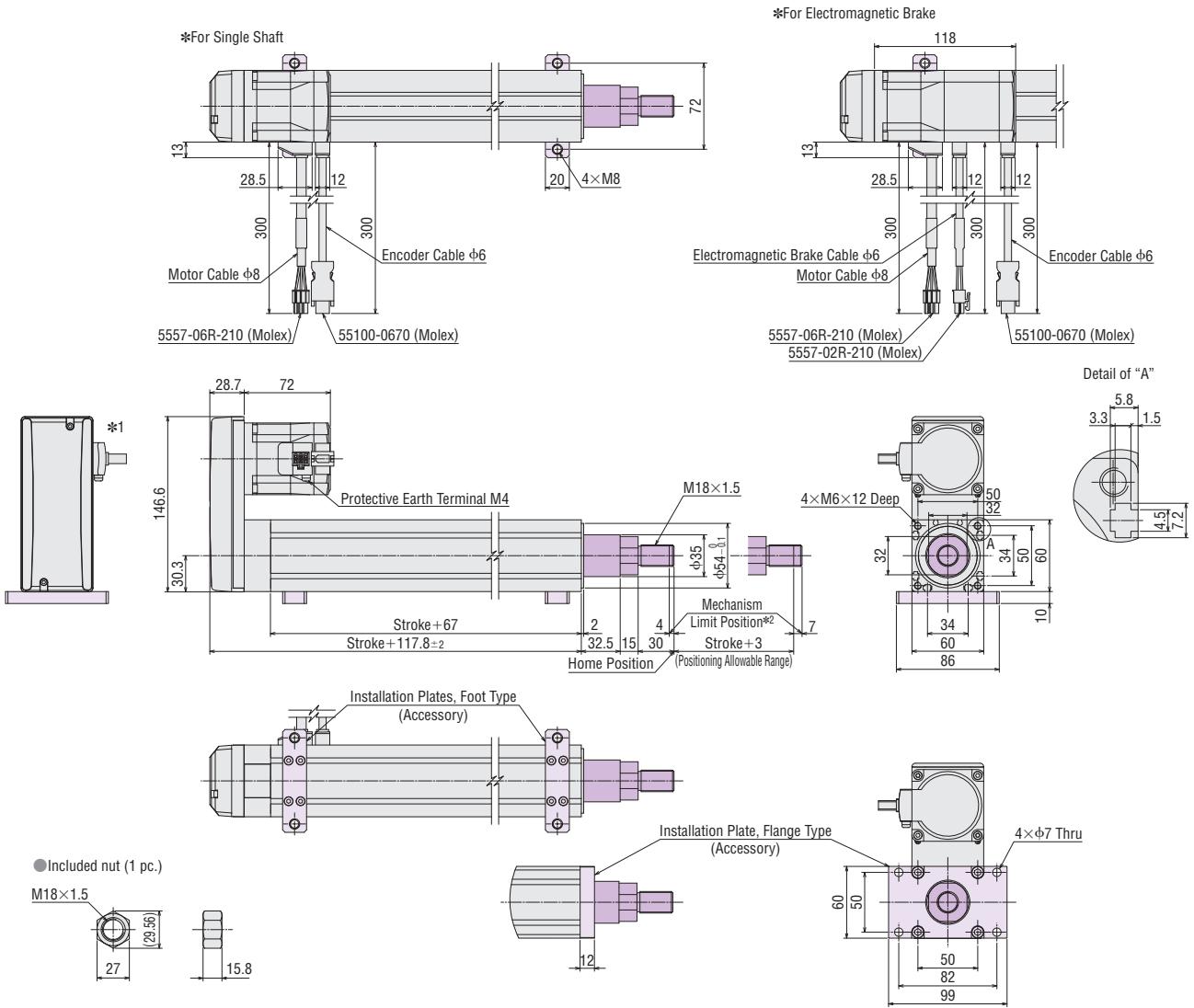
◇EAC6 Standard Type



- *1 The motor cable outlet direction can be changed in 90° intervals in 4 directions.
- *2 During the pushing return-to-home operation, the rod moves to the position limit of the mechanism. The pushing return-to-home operation cannot be performed on the opposite side of the motor.
- *3 [] indicate the value for a product with an electromagnetic brake.
- The part is a movable part.
- The part is the installation plate (accessory).


Stroke [mm]		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	3.0	3.4	3.8	4.1	4.5	4.9


◆ **EAC6R** Side-Mounted Type



*1 The motor cable outlet direction can be changed in 90° intervals in 3 directions.

*2 During the pushing return-to-home operation, the rod moves to the position limit of the mechanism. The pushing return-to-home operation cannot be performed on the opposite side of the motor.

● The  part is a movable part.

● The  part is the installation plate (accessory).

Stroke [mm]		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	3.0	3.4	3.8	4.1	4.5	4.9

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

Motorized
Linear
Slides

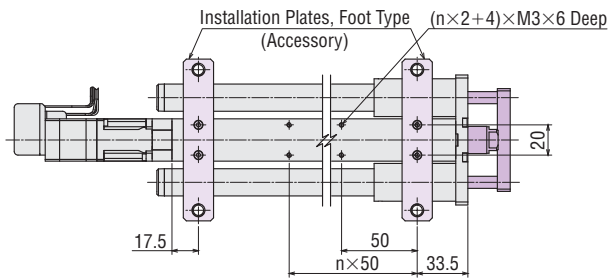
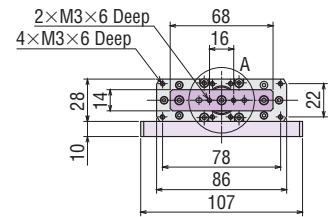
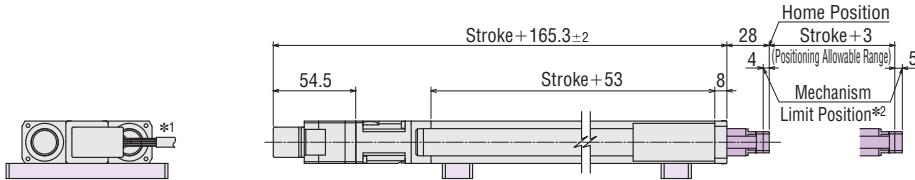
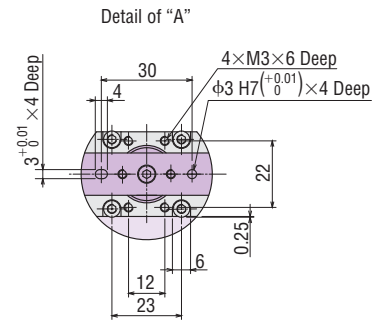
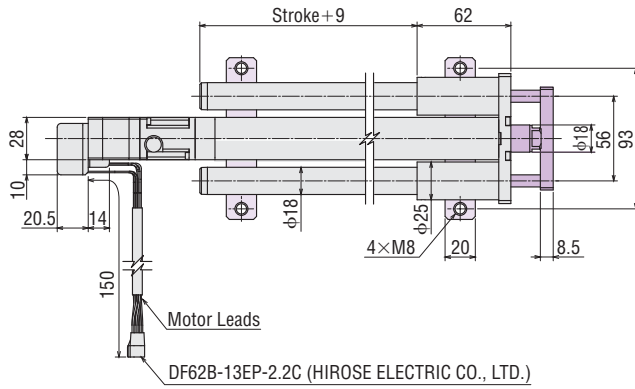
Q-STEP
AZ/AR
Equipped
E-ZS

Motorized
Cylinders

Q-STEP
AZ/AR
Equipped
EAC


Accessories

◇EAC2W Standard Type With Shaft Guide Cover



*1 The motor lead outlet direction can be changed in 90° intervals in 4 directions.

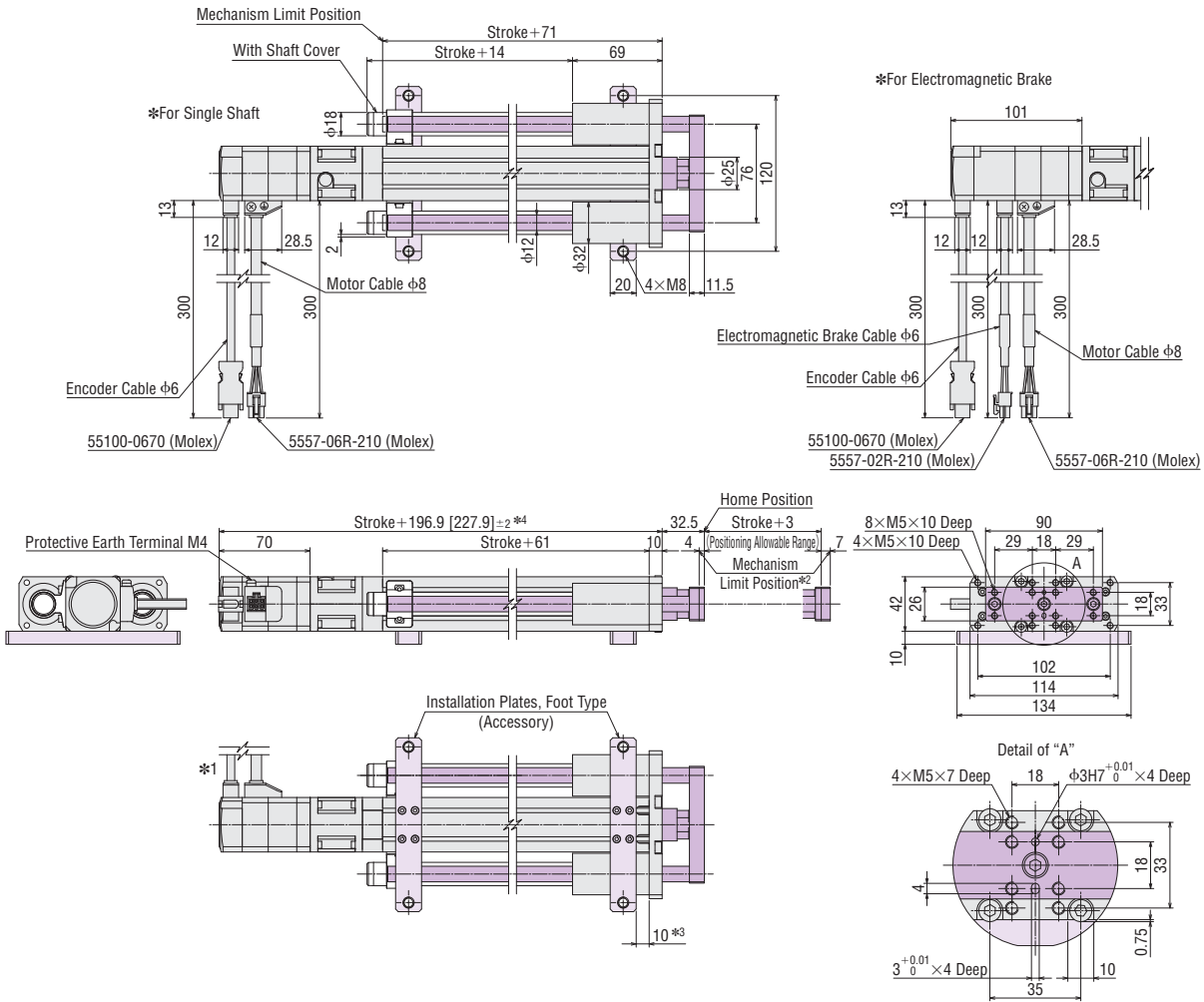
*2 During the pushing return-to-home operation, the rod moves to the position limit of the mechanism. The pushing return-to-home operation cannot be performed on the opposite side of the motor.

● The  part is a movable part.

● The  part is the installation plate (accessory).

Stroke [mm]	50	100	150	
Hole Coefcient (n)	1	2	3	
Mass [kg]	Single Shaft	0.78	0.92	1.10

◇ **EAC4W** Standard Type With Shaft Guide/With Shaft Guide Cover

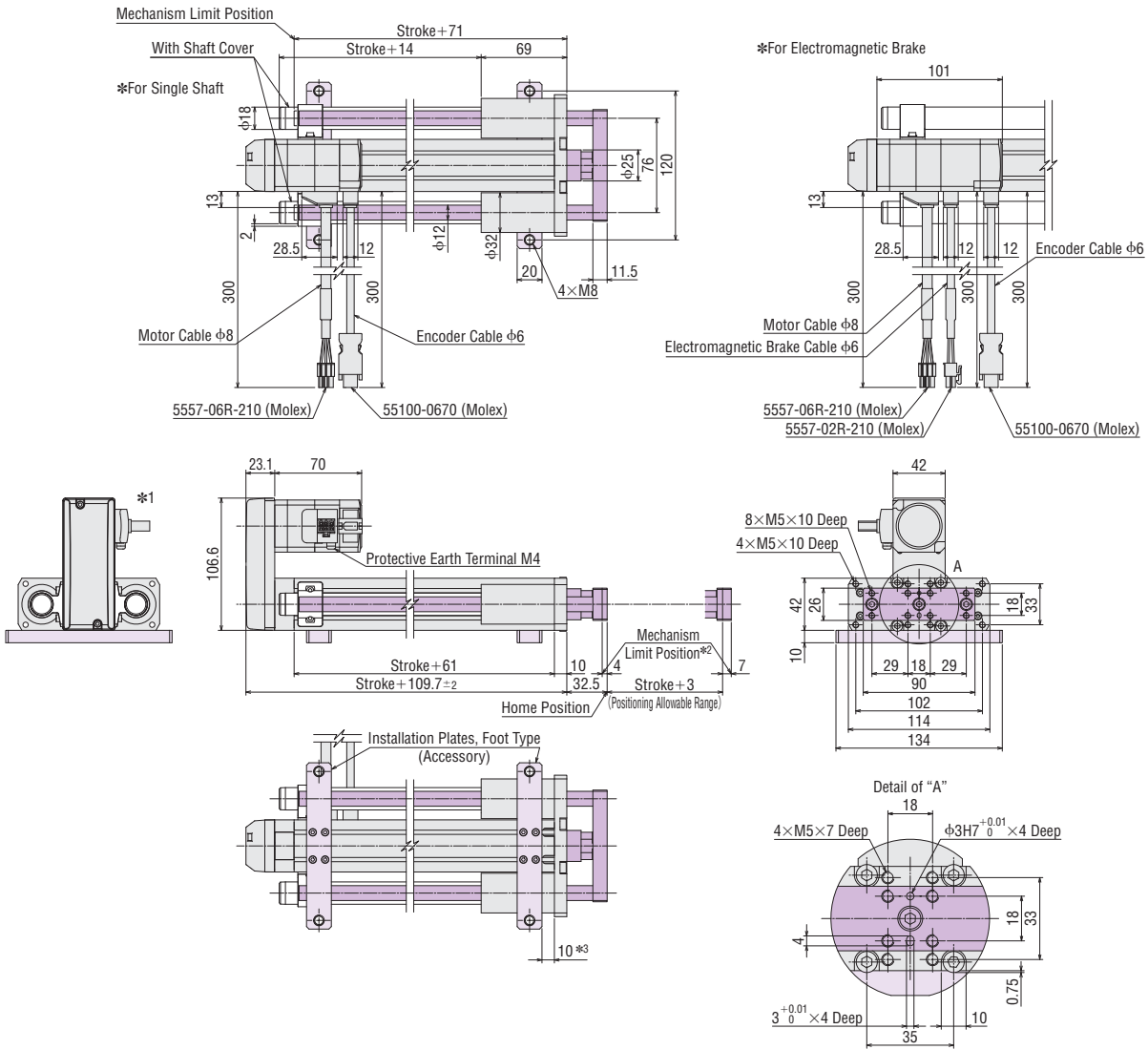


- *1 The motor cable outlet direction can be changed in 90° intervals in 4 directions.
- *2 During the pushing return-to-home operation, the rod moves to the position limit of the mechanism. The pushing return-to-home operation cannot be performed on the opposite side of the motor.
- *3 The installation plate foot type cannot be installed on this part.
- *4 [] indicate the value for a product with an electromagnetic brake.
- The part is a movable part.
- The part is the installation plate (accessory).

Stroke [mm]		50	100	150	200	250	300
Mass [kg]	With Shaft Guide	1.7 (1.9)	2.0 (2.2)	2.3 (2.5)	2.5 (2.7)	2.8 (3.0)	3.1 (3.3)
	With Shaft Guide Cover	1.8 (1.9)	2.1 (2.3)	2.4 (2.6)	2.6 (2.8)	3.0 (3.1)	3.3 (3.5)

● The values in the parentheses () for the mass refer to the mass using models with electromagnetic brake.


◇EAC4RW Side-Mounted Type With Shaft Guide/With Shaft Guide Cover



*1 The motor cable outlet direction can be changed in 90° intervals in 3 directions.

*2 During the pushing return-to-home operation, the rod moves to the position limit of the mechanism. The pushing return-to-home operation cannot be performed on the opposite side of the motor.

*3 The installation plate foot type cannot be installed on this part.

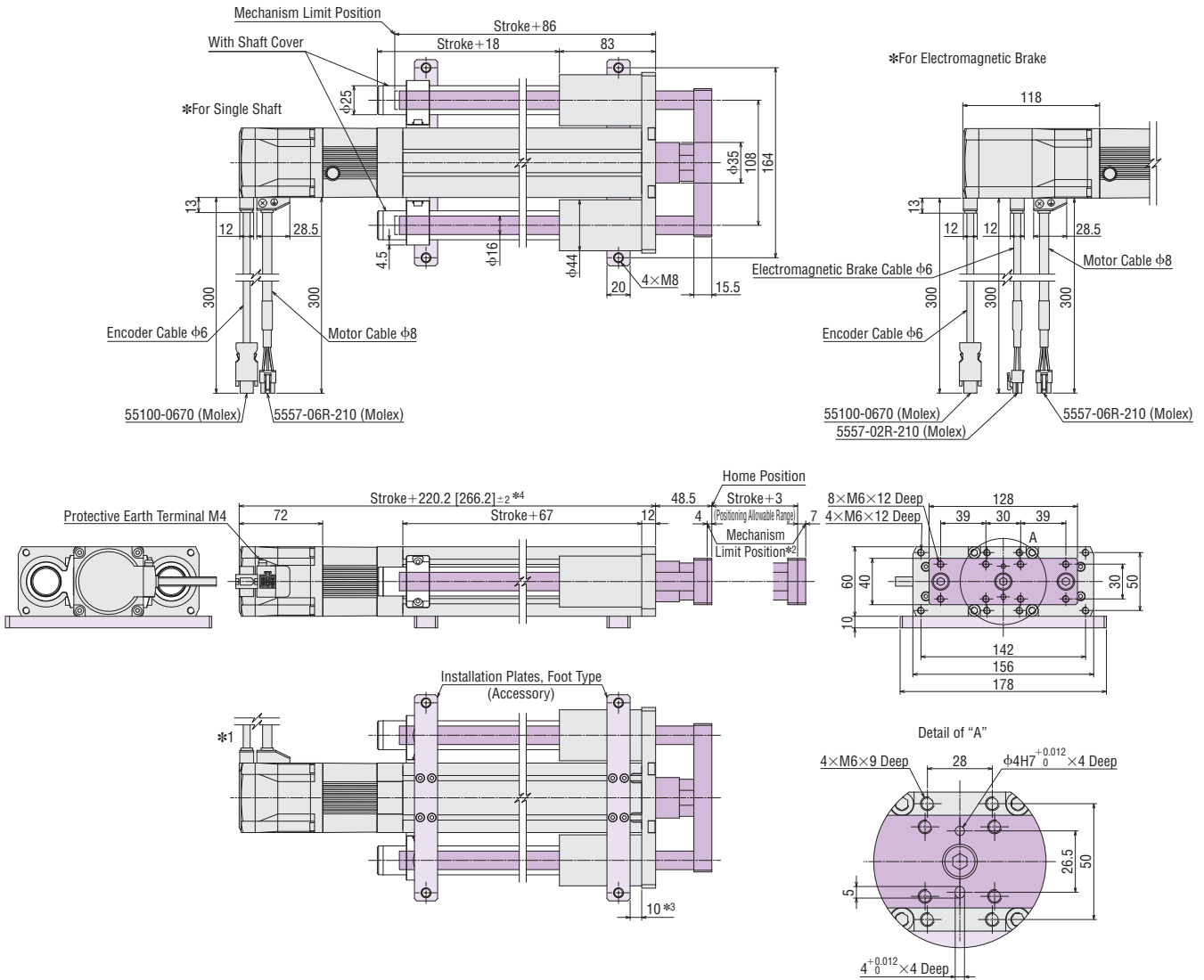
● The  part is a movable part.

● The  part is the installation plate (accessory).

Stroke [mm]	50	100	150	200	250	300	
Mass [kg]	With Shaft Guide	1.7 (1.9)	2.0 (2.2)	2.3 (2.5)	2.5 (2.7)	2.8 (3.0)	3.1 (3.3)
	With Shaft Guide Cover	1.8 (1.9)	2.1 (2.3)	2.4 (2.6)	2.6 (2.8)	3.0 (3.1)	3.3 (3.5)

● The values in the parentheses () for the mass refer to the mass using models with electromagnetic brake.

◆ **EAC6W** Standard Type With Shaft Guide/With Shaft Guide Cover

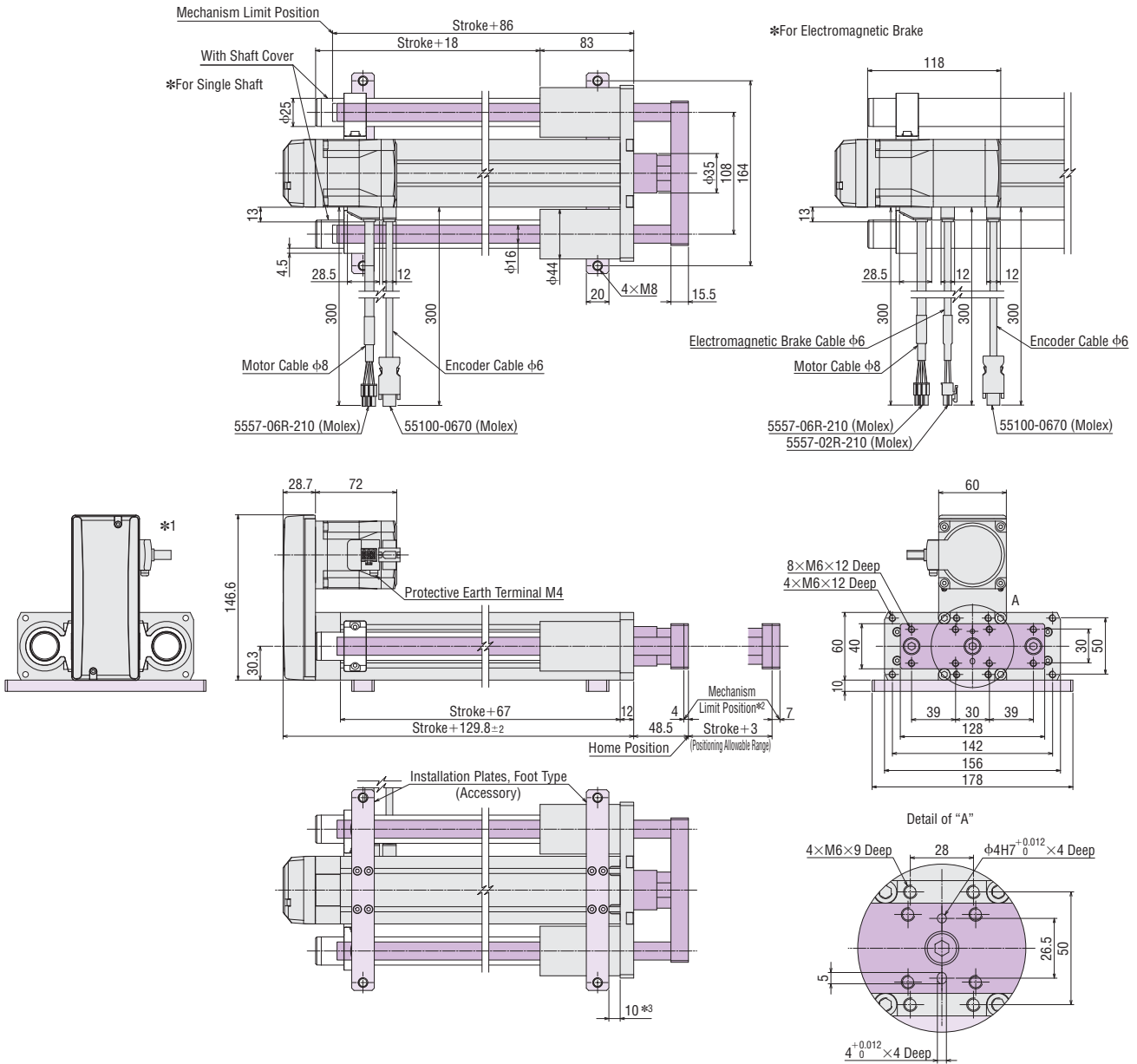


- *1 The motor cable outlet direction can be changed in 90° intervals in 4 directions.
- *2 During the pushing return-to-home operation, the rod moves to the position limit of the mechanism. The pushing return-to-home operation cannot be performed on the opposite side of the motor.
- *3 The installation plate foot type cannot be installed on this part.
- *4 [] indicate the value for a product with an electromagnetic brake.
- The part is a movable part.
- The part is the installation plate (accessory).

Stroke [mm]	50	100	150	200	250	300	
Mass [kg]	With Shaft Guide	4.1 (4.5)	4.7 (5.1)	5.2 (5.6)	5.7 (6.1)	6.3 (6.7)	6.8 (7.2)
	With Shaft Guide Cover	4.2 (4.6)	4.9 (5.3)	5.4 (5.8)	6.0 (6.4)	6.6 (7.0)	7.2 (7.6)

● The values in the parentheses () for the mass refer to the mass using models with electromagnetic brake.


◇EAC6RW Side-Mounted Type With Shaft Guide/With Shaft Guide Cover



*1 The motor cable outlet direction can be changed in 90° intervals in 3 directions.

*2 During the pushing return-to-home operation, the rod moves to the position limit of the mechanism. The pushing return-to-home operation cannot be performed on the opposite side of the motor.

*3 The installation plate foot type cannot be installed on this part.

● The  part is a movable part.

● The  part is the installation plate (accessory).

Stroke [mm]	50	100	150	200	250	300	
Mass [kg]	With Shaft Guide	4.1 (4.5)	4.7 (5.1)	5.2 (5.6)	5.7 (6.1)	6.3 (6.7)	6.8 (7.2)
	With Shaft Guide Cover	4.2 (4.6)	4.9 (5.3)	5.4 (5.8)	6.0 (6.4)	6.6 (7.0)	7.2 (7.6)

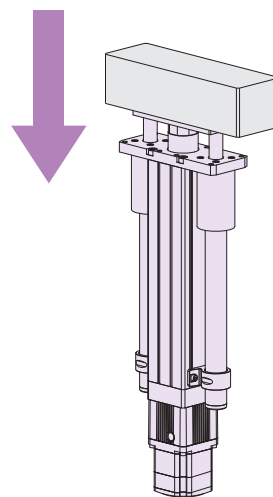
● The values in the parentheses () for the mass refer to the mass using models with electromagnetic brake.

Vertical Drive Using EAC6 (AC power supply input specifications)

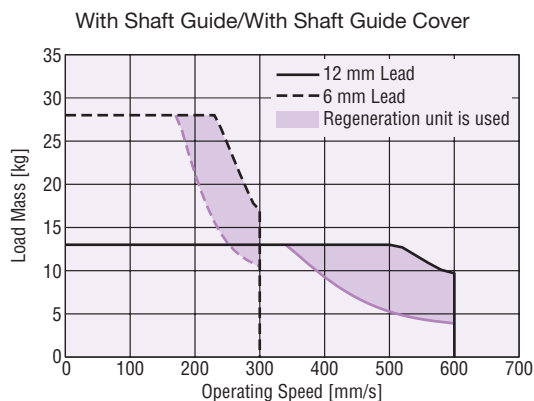
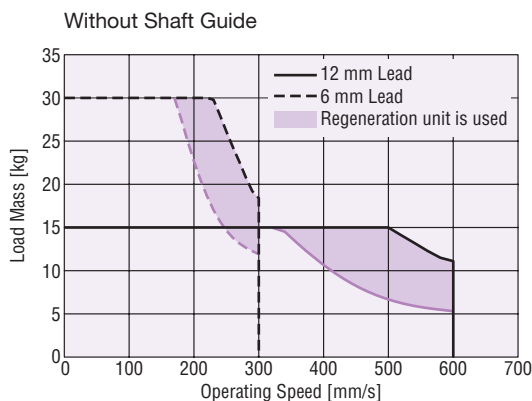
If operating **EAC6*** type motorized linear cylinder in the vertical direction, overvoltage protection alarms may be detected depending on the driving condition.

In this case, refer to the following Operating Speed - Load Mass characteristic diagram and connect the regeneration unit **RGB100** (sold separately) to the driver.

*Common between **D** (12 mm lead)/**E** (6 mm lead), standard/side-mounted type for AC power-supply input specifications equipped with **AZ** Series and **AR** Series



Vertical Use Example



Region that requires a regeneration unit of the **EAC6** type (AC power supply input specifications)

Regeneration Unit

The regeneration unit is connected to the driver to release the regenerative power returned from the motor as thermal energy.



Product Line

Product Name	Applicable Product	List Price
RGB100	AZ Series Equipped (AC Power Supply Input) AR Series Equipped (AC Power Supply Input)	SGD 56

Specifications

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

● Install the regeneration unit in the location that has the same heat radiation capability as the heat sink (Material: aluminum, 350×350 mm, thickness 3 mm).

Motorized Cylinders and Driver Combinations

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

The product name enclosed with () in the motorized cylinder product name is the installed motor product name.

When you would like to purchase the installed motor for maintenance, contact the nearest Oriental Motor sales office.

● AC Power Supply Input

◇ Built-in Controller Type Single Shaft

Product Name	Motorized Cylinder Product Name (Installed motor product name)	Driver Product Name
EAC4 (2)- E (5)- AZA (8) D (10)	EACM4(2)E(5)AZAC (AZM46AC)	AZD-(8)D
EAC4 (2)- D (5)- AZA (8) D (10)	EACM4(2)D(5)AZAC (AZM46AC)	
EAC4 (2)- W-E (5)- AZA (8) D (10)	EACM4(2)WE(5)AZAC (AZM46AC)	
EAC4 (2)- W-D (5)- AZA (8) D (10)	EACM4(2)WD(5)AZAC (AZM46AC)	
EAC4 (2)- W-E (5)- AZA (8) D (10)- G	EACM4(2)WE(5)AZAC-G (AZM46AC)	
EAC4 (2)- W-D (5)- AZA (8) D (10)- G	EACM4(2)WD(5)AZAC-G (AZM46AC)	
EAC6 (2)- E (5)- AZA (8) D (10)	EACM6(2)E(5)AZAC (AZM66AC)	
EAC6 (2)- D (5)- AZA (8) D (10)	EACM6(2)D(5)AZAC (AZM66AC)	
EAC6 (2)- W-E (5)- AZA (8) D (10)	EACM6(2)WE(5)AZAC (AZM66AC)	
EAC6 (2)- W-D (5)- AZA (8) D (10)	EACM6(2)WD(5)AZAC (AZM66AC)	
EAC6 (2)- W-E (5)- AZA (8) D (10)- G	EACM6(2)WE(5)AZAC-G (AZM66AC)	
EAC6 (2)- W-D (5)- AZA (8) D (10)- G	EACM6(2)WD(5)AZAC-G (AZM66AC)	

◇ Built-in Controller Type With Electromagnetic Brake

Product Name	Motorized Cylinder Product Name (Installed motor product name)	Driver Product Name
EAC4 (2)- E (5)- AZM (8) D (10)	EACM4(2)E(5)AZMC (AZM46MC)	AZD-(8)D
EAC4 (2)- D (5)- AZM (8) D (10)	EACM4(2)D(5)AZMC (AZM46MC)	
EAC4 (2)- W-E (5)- AZM (8) D (10)	EACM4(2)WE(5)AZMC (AZM46MC)	
EAC4 (2)- W-D (5)- AZM (8) D (10)	EACM4(2)WD(5)AZMC (AZM46MC)	
EAC4 (2)- W-E (5)- AZM (8) D (10)- G	EACM4(2)WE(5)AZMC-G (AZM46MC)	
EAC4 (2)- W-D (5)- AZM (8) D (10)- G	EACM4(2)WD(5)AZMC-G (AZM46MC)	
EAC6 (2)- E (5)- AZM (8) D (10)	EACM6(2)E(5)AZMC (AZM66MC)	
EAC6 (2)- D (5)- AZM (8) D (10)	EACM6(2)D(5)AZMC (AZM66MC)	
EAC6 (2)- W-E (5)- AZM (8) D (10)	EACM6(2)WE(5)AZMC (AZM66MC)	
EAC6 (2)- W-D (5)- AZM (8) D (10)	EACM6(2)WD(5)AZMC (AZM66MC)	
EAC6 (2)- W-E (5)- AZM (8) D (10)- G	EACM6(2)WE(5)AZMC-G (AZM66MC)	
EAC6 (2)- W-D (5)- AZM (8) D (10)- G	EACM6(2)WD(5)AZMC-G (AZM66MC)	

◇ Pulse Input Type Single Shaft

Product Name	Motorized Cylinder Product Name (Installed motor product name)	Driver Product Name
EAC4 (2)- E (5)- AZA (8)-(10)	EACM4(2)E(5)AZAC (AZM46AC)	AZD-(8)
EAC4 (2)- D (5)- AZA (8)-(10)	EACM4(2)D(5)AZAC (AZM46AC)	
EAC4 (2)- W-E (5)- AZA (8)-(10)	EACM4(2)WE(5)AZAC (AZM46AC)	
EAC4 (2)- W-D (5)- AZA (8)-(10)	EACM4(2)WD(5)AZAC (AZM46AC)	
EAC4 (2)- W-E (5)- AZA (8)-(10)- G	EACM4(2)WE(5)AZAC-G (AZM46AC)	
EAC4 (2)- W-D (5)- AZA (8)-(10)- G	EACM4(2)WD(5)AZAC-G (AZM46AC)	
EAC6 (2)- E (5)- AZA (8)-(10)	EACM6(2)E(5)AZAC (AZM66AC)	
EAC6 (2)- D (5)- AZA (8)-(10)	EACM6(2)D(5)AZAC (AZM66AC)	
EAC6 (2)- W-E (5)- AZA (8)-(10)	EACM6(2)WE(5)AZAC (AZM66AC)	
EAC6 (2)- W-D (5)- AZA (8)-(10)	EACM6(2)WD(5)AZAC (AZM66AC)	
EAC6 (2)- W-E (5)- AZA (8)-(10)- G	EACM6(2)WE(5)AZAC-G (AZM66AC)	
EAC6 (2)- W-D (5)- AZA (8)-(10)- G	EACM6(2)WD(5)AZAC-G (AZM66AC)	

◇ Pulse Input Type With Electromagnetic Brake

Product Name	Motorized Cylinder Product Name (Installed motor product name)	Driver Product Name
EAC4 (2)- E (5)- AZM (8)-(10)	EACM4(2)E(5)AZMC (AZM46MC)	AZD-(8)
EAC4 (2)- D (5)- AZM (8)-(10)	EACM4(2)D(5)AZMC (AZM46MC)	
EAC4 (2)- W-E (5)- AZM (8)-(10)	EACM4(2)WE(5)AZMC (AZM46MC)	
EAC4 (2)- W-D (5)- AZM (8)-(10)	EACM4(2)WD(5)AZMC (AZM46MC)	
EAC4 (2)- W-E (5)- AZM (8)-(10)- G	EACM4(2)WE(5)AZMC-G (AZM46MC)	
EAC4 (2)- W-D (5)- AZM (8)-(10)- G	EACM4(2)WD(5)AZMC-G (AZM46MC)	
EAC6 (2)- E (5)- AZM (8)-(10)	EACM6(2)E(5)AZMC (AZM66MC)	
EAC6 (2)- D (5)- AZM (8)-(10)	EACM6(2)D(5)AZMC (AZM66MC)	
EAC6 (2)- W-E (5)- AZM (8)-(10)	EACM6(2)WE(5)AZMC (AZM66MC)	
EAC6 (2)- W-D (5)- AZM (8)-(10)	EACM6(2)WD(5)AZMC (AZM66MC)	
EAC6 (2)- W-E (5)- AZM (8)-(10)- G	EACM6(2)WE(5)AZMC-G (AZM66MC)	
EAC6 (2)- W-D (5)- AZM (8)-(10)- G	EACM6(2)WD(5)AZMC-G (AZM66MC)	

● The following symbols and number are substituted for (2), (5), (8) and (10) in the product names.

(2): **L** (Left side-mounted) or **R** (Right side-mounted) indicating the motor installation direction is substituted. For the standard type, no symbol is substituted for this.

(5): A number indicating the stroke length is substituted.

(8): **A** (Single-Phase 100-120 VAC) or **C** (Single-Phase/Three-Phase 200-240 VAC) indicating the type of power supply voltage is substituted.

(10): A number indicating the length of desired connection cable, if included. **1** (1 m), **2** (2 m) or **3** (3 m) is substituted. If no connection cable is included, the product name does not have -(10).

● DC Power Supply Input

◇ Built-in Controller Type Single Shaft

Product Name	Motorized Cylinder Product Name (Installed motor product name)	Driver Product Name
EAC2-E-^②-AZAKD-^{⑤⑩}	EACM2E ^⑤ AZAK (AZM24AK)	AZD-KD
EAC2-F-^⑤-AZAKD-^⑩	EACM2F ^⑤ AZAK (AZM24AK)	
EAC2W-E-^⑤-AZAKD-^⑩-G	EACM2WE ^⑤ AZAK-G (AZM24AK)	
EAC2W-F-^⑤-AZAKD-^⑩-G	EACM2WF ^⑤ AZAK-G (AZM24AK)	
EAC4-^②-E-^⑤-AZAKD-^⑩	EACM4 ^② E ^⑤ AZAK (AZM46AK)	
EAC4-^②-D-^⑤-AZAKD-^⑩	EACM4 ^② D ^⑤ AZAK (AZM46AK)	
EAC4-^②-W-E-^⑤-AZAKD-^⑩	EACM4 ^② WE ^⑤ AZAK (AZM46AK)	
EAC4-^②-W-D-^⑤-AZAKD-^⑩	EACM4 ^② WD ^⑤ AZAK (AZM46AK)	
EAC4-^②-W-E-^⑤-AZAKD-^⑩-G	EACM4 ^② WE ^⑤ AZAK-G (AZM46AK)	
EAC4-^②-W-D-^⑤-AZAKD-^⑩-G	EACM4 ^② WD ^⑤ AZAK-G (AZM46AK)	
EAC6-^②-E-^⑤-AZAKD-^⑩	EACM6 ^② E ^⑤ AZAK (AZM66AK)	
EAC6-^②-D-^⑤-AZAKD-^⑩	EACM6 ^② D ^⑤ AZAK (AZM66AK)	
EAC6-^②-W-E-^⑤-AZAKD-^⑩	EACM6 ^② WE ^⑤ AZAK (AZM66AK)	
EAC6-^②-W-D-^⑤-AZAKD-^⑩	EACM6 ^② WD ^⑤ AZAK (AZM66AK)	
EAC6-^②-W-E-^⑤-AZAKD-^⑩-G	EACM6 ^② WE ^⑤ AZAK-G (AZM66AK)	
EAC6-^②-W-D-^⑤-AZAKD-^⑩-G	EACM6 ^② WD ^⑤ AZAK-G (AZM66AK)	

◇ Pulse Input Type Single Shaft

Product Name	Motorized Cylinder Product Name (Installed motor product name)	Driver Product Name
EAC2-E-^⑤-AZAK-^⑩	EACM2E ^⑤ AZAK (AZM24AK)	AZD-K
EAC2-F-^⑤-AZAK-^⑩	EACM2F ^⑤ AZAK (AZM24AK)	
EAC2W-E-^⑤-AZAK-^⑩-G	EACM2WE ^⑤ AZAK-G (AZM24AK)	
EAC2W-F-^⑤-AZAK-^⑩-G	EACM2WF ^⑤ AZAK-G (AZM24AK)	
EAC4-^②-E-^⑤-AZAK-^⑩	EACM4 ^② E ^⑤ AZAK (AZM46AK)	
EAC4-^②-D-^⑤-AZAK-^⑩	EACM4 ^② D ^⑤ AZAK (AZM46AK)	
EAC4-^②-W-E-^⑤-AZAK-^⑩	EACM4 ^② WE ^⑤ AZAK (AZM46AK)	
EAC4-^②-W-D-^⑤-AZAK-^⑩	EACM4 ^② WD ^⑤ AZAK (AZM46AK)	
EAC4-^②-W-E-^⑤-AZAK-^⑩-G	EACM4 ^② WE ^⑤ AZAK-G (AZM46AK)	
EAC4-^②-W-D-^⑤-AZAK-^⑩-G	EACM4 ^② WD ^⑤ AZAK-G (AZM46AK)	
EAC6-^②-E-^⑤-AZAK-^⑩	EACM6 ^② E ^⑤ AZAK (AZM66AK)	
EAC6-^②-D-^⑤-AZAK-^⑩	EACM6 ^② D ^⑤ AZAK (AZM66AK)	
EAC6-^②-W-E-^⑤-AZAK-^⑩	EACM6 ^② WE ^⑤ AZAK (AZM66AK)	
EAC6-^②-W-D-^⑤-AZAK-^⑩	EACM6 ^② WD ^⑤ AZAK (AZM66AK)	
EAC6-^②-W-E-^⑤-AZAK-^⑩-G	EACM6 ^② WE ^⑤ AZAK-G (AZM66AK)	
EAC6-^②-W-D-^⑤-AZAK-^⑩-G	EACM6 ^② WD ^⑤ AZAK-G (AZM66AK)	

● The following symbols and number are substituted for ^②, ^⑤ and ^⑩ in the product names.

- ②: L (Left side-mounted) or R (Right side-mounted) indicating the motor installation direction is substituted. For the standard type, no symbol is substituted for this.
- ⑤: A number indicating the stroke length is substituted.
- ⑩: A number indicating the length of desired connection cable, if included. 1 (1 m), 2 (2 m) or 3 (3 m) is substituted. If no connection cable is included, the product name does not have ^⑩.

Drivers and cables are the same as for **AZ** Series.
For the following content, confirm the equipped motor product name and driver product name before viewing the **AZ** Series product catalog.

- Driver Specifications
- RS-485 Communication Specifications
- Dimensions
- Connection and Operation



◇ Built-in Controller Type With Electromagnetic Brake

Product Name	Motorized Cylinder Product Name (Installed motor product name)	Driver Product Name
EAC4-^②-E-^⑤-AZMKD-^⑩	EACM4 ^② E ^⑤ AZMK (AZM46MK)	AZD-KD
EAC4-^②-D-^⑤-AZMKD-^⑩	EACM4 ^② D ^⑤ AZMK (AZM46MK)	
EAC4-^②-W-E-^⑤-AZMKD-^⑩	EACM4 ^② WE ^⑤ AZMK (AZM46MK)	
EAC4-^②-W-D-^⑤-AZMKD-^⑩	EACM4 ^② WD ^⑤ AZMK (AZM46MK)	
EAC4-^②-W-E-^⑤-AZMKD-^⑩-G	EACM4 ^② WE ^⑤ AZMK-G (AZM46MK)	
EAC4-^②-W-D-^⑤-AZMKD-^⑩-G	EACM4 ^② WD ^⑤ AZMK-G (AZM46MK)	
EAC6-^②-E-^⑤-AZMKD-^⑩	EACM6 ^② E ^⑤ AZMK (AZM66MK)	
EAC6-^②-D-^⑤-AZMKD-^⑩	EACM6 ^② D ^⑤ AZMK (AZM66MK)	
EAC6-^②-W-E-^⑤-AZMKD-^⑩	EACM6 ^② WE ^⑤ AZMK (AZM66MK)	
EAC6-^②-W-D-^⑤-AZMKD-^⑩	EACM6 ^② WD ^⑤ AZMK (AZM66MK)	
EAC6-^②-W-E-^⑤-AZMKD-^⑩-G	EACM6 ^② WE ^⑤ AZMK-G (AZM66MK)	
EAC6-^②-W-D-^⑤-AZMKD-^⑩-G	EACM6 ^② WD ^⑤ AZMK-G (AZM66MK)	

◇ Pulse Input Type With Electromagnetic Brake

Product Name	Motorized Cylinder Product Name (Installed motor product name)	Driver Product Name
EAC4-^②-E-^⑤-AZMK-^⑩	EACM4 ^② E ^⑤ AZMK (AZM46MK)	AZD-K
EAC4-^②-D-^⑤-AZMK-^⑩	EACM4 ^② D ^⑤ AZMK (AZM46MK)	
EAC4-^②-W-E-^⑤-AZMK-^⑩	EACM4 ^② WE ^⑤ AZMK (AZM46MK)	
EAC4-^②-W-D-^⑤-AZMK-^⑩	EACM4 ^② WD ^⑤ AZMK (AZM46MK)	
EAC4-^②-W-E-^⑤-AZMK-^⑩-G	EACM4 ^② WE ^⑤ AZMK-G (AZM46MK)	
EAC4-^②-W-D-^⑤-AZMK-^⑩-G	EACM4 ^② WD ^⑤ AZMK-G (AZM46MK)	
EAC6-^②-E-^⑤-AZMK-^⑩	EACM6 ^② E ^⑤ AZMK (AZM66MK)	
EAC6-^②-D-^⑤-AZMK-^⑩	EACM6 ^② D ^⑤ AZMK (AZM66MK)	
EAC6-^②-W-E-^⑤-AZMK-^⑩	EACM6 ^② WE ^⑤ AZMK (AZM66MK)	
EAC6-^②-W-D-^⑤-AZMK-^⑩	EACM6 ^② WD ^⑤ AZMK (AZM66MK)	
EAC6-^②-W-E-^⑤-AZMK-^⑩-G	EACM6 ^② WE ^⑤ AZMK-G (AZM66MK)	
EAC6-^②-W-D-^⑤-AZMK-^⑩-G	EACM6 ^② WD ^⑤ AZMK-G (AZM66MK)	

Motorized Linear Slides

αSTEP AZ/AR Equipped EZS

Motorized Cylinders

αSTEP AZ/AR Equipped EAC

Accessories

Motorized Cylinders

EAC Series αSTEP AR Series Equipped

For details, refer to the Oriental Motor website.
<https://www.orientalmotor.com.sg/>

Product Lines and Prices

● AC Power Supply Input

◇ Product Number Code

① Product Series	② Motor Installing Direction	③ Shaft Guide	④ Lead	⑤ Stroke	⑥ Installed Motor	⑦ Motor Shape	⑧ Power Supply Input	⑨ Driver Type	⑩ Connection Cable*	⑪ Shaft Guide Cover
EAC4	R	W	D	05	AR	A	A	D	-1	-G
EAC4 EAC6	R : Side-Mounted Motor Blank: Standard	W : With Shaft Guide Blank: Standard	D : 12 mm E : 6 mm	05 : 50 mm 10 : 100 mm 15 : 150 mm ~ 30 : 300 mm (50 mm increments)	AR Series	A : Single Shaft M : With Electromagnetic Brake	Built-in Controller Type A : Single-Phase 100-120 VAC C : Single-Phase 200-240 VAC Pulse Input Type A : Single-Phase 100-115 VAC C : Single-Phase 200-230 VAC S : Three-Phase 200-230 VAC	D : Built-in Controller Type Blank: Pulse Input Type	Number: Included Connection Cable Length -1 : 1 m -2 : 2 m -3 : 3 m Blank: Connection Cable Not Included	-G : With Shaft Guide Cover Blank: Without Shaft Guide Cover

*Connection cables with a length of more than 3 m are available as accessories (sold separately). Connection Cable Sets → Website

◇ EAC4 Standard Type/Side-Mounted Type

The prices are the same even if the ② Motor Installing Direction (**R**, Blank), ④ Lead (**D**, **E**), and ⑧ Power Supply Input (**A**, **C**, **S**) are different.

⑨ Driver Type (D , Blank)	Built-in Controller Type (D)				Pulse Input Type (Blank)				
	Single Shaft (A)		With Electromagnetic Brake (M)		Single Shaft (A)		With Electromagnetic Brake (M)		
⑦ Motor Shape (A , M)	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	
⑩ Connection Cable (1, 2, 3, Blank)	50 mm (05)	SGD 1015	SGD 978	SGD 1190	SGD 1153	SGD 953	SGD 915	SGD 1128	SGD 1090
	100 mm (10)	SGD 1015	SGD 978	SGD 1190	SGD 1153	SGD 953	SGD 915	SGD 1128	SGD 1090
	150 mm (15)	SGD 1028	SGD 990	SGD 1203	SGD 1165	SGD 965	SGD 928	SGD 1140	SGD 1103
	200 mm (20)	SGD 1028	SGD 990	SGD 1203	SGD 1165	SGD 965	SGD 928	SGD 1140	SGD 1103
	250 mm (25)	SGD 1040	SGD 1003	SGD 1215	SGD 1178	SGD 978	SGD 940	SGD 1153	SGD 1115
	300 mm (30)	SGD 1040	SGD 1003	SGD 1215	SGD 1178	SGD 978	SGD 940	SGD 1153	SGD 1115

◇ EAC4 Standard Type/Side-Mounted Type With Shaft Guide

The prices are the same even if the ② Motor Installing Direction (**R**, Blank), ④ Lead (**D**, **E**), and ⑧ Power Supply Input (**A**, **C**, **S**) are different.

⑨ Driver Type (D , Blank)	Built-in Controller Type (D)				Pulse Input Type (Blank)				
	Single Shaft (A)		With Electromagnetic Brake (M)		Single Shaft (A)		With Electromagnetic Brake (M)		
⑦ Motor Shape (A , M)	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	
⑩ Connection Cable (1, 2, 3, Blank)	50 mm (05)	SGD 1228	SGD 1190	SGD 1403	SGD 1365	SGD 1165	SGD 1128	SGD 1340	SGD 1303
	100 mm (10)	SGD 1228	SGD 1190	SGD 1403	SGD 1365	SGD 1165	SGD 1128	SGD 1340	SGD 1303
	150 mm (15)	SGD 1240	SGD 1203	SGD 1415	SGD 1378	SGD 1178	SGD 1140	SGD 1353	SGD 1315
	200 mm (20)	SGD 1240	SGD 1203	SGD 1415	SGD 1378	SGD 1178	SGD 1140	SGD 1353	SGD 1315
	250 mm (25)	SGD 1253	SGD 1215	SGD 1428	SGD 1390	SGD 1190	SGD 1153	SGD 1365	SGD 1328
	300 mm (30)	SGD 1253	SGD 1215	SGD 1428	SGD 1390	SGD 1190	SGD 1153	SGD 1365	SGD 1328

◇ EAC4 Standard Type/Side-Mounted Type With Shaft Guide Cover

The prices are the same even if the ② Motor Installing Direction (**R**, Blank), ④ Lead (**D**, **E**), and ⑧ Power Supply Input (**A**, **C**, **S**) are different.

⑨ Driver Type (D , Blank)	Built-in Controller Type (D)				Pulse Input Type (Blank)				
	Single Shaft (A)		With Electromagnetic Brake (M)		Single Shaft (A)		With Electromagnetic Brake (M)		
⑦ Motor Shape (A , M)	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	
⑩ Connection Cable (1, 2, 3, Blank)	50 mm (05)	SGD 1253	SGD 1215	SGD 1428	SGD 1390	SGD 1190	SGD 1153	SGD 1365	SGD 1328
	100 mm (10)	SGD 1253	SGD 1215	SGD 1428	SGD 1390	SGD 1190	SGD 1153	SGD 1365	SGD 1328
	150 mm (15)	SGD 1265	SGD 1228	SGD 1440	SGD 1403	SGD 1203	SGD 1165	SGD 1378	SGD 1340
	200 mm (20)	SGD 1265	SGD 1228	SGD 1440	SGD 1403	SGD 1203	SGD 1165	SGD 1378	SGD 1340
	250 mm (25)	SGD 1278	SGD 1240	SGD 1453	SGD 1415	SGD 1215	SGD 1178	SGD 1390	SGD 1353
	300 mm (30)	SGD 1278	SGD 1240	SGD 1453	SGD 1415	SGD 1215	SGD 1178	SGD 1390	SGD 1353

◇ **EAC6** Standard Type/Side-Mounted Type

The prices are the same even if the ② Motor Installing Direction (R, Blank), ④ Lead (D, E), and ⑧ Power Supply Input (A, C, S) are different.

⑨ Driver Type (D, Blank)	Built-in Controller Type (D)				Pulse Input Type (Blank)				
⑦ Motor Shape (A, M)	Single Shaft (A)		With Electromagnetic Brake (M)		Single Shaft (A)		With Electromagnetic Brake (M)		
⑩ Connection Cable (1, 2, 3, Blank)	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	
⑤ Stroke	50 mm (05)	SGD 1090	SGD 1053	SGD 1315	SGD 1278	SGD 1035	SGD 990	SGD 1253	SGD 1215
	100 mm (10)	SGD 1090	SGD 1053	SGD 1315	SGD 1278	SGD 1035	SGD 990	SGD 1253	SGD 1215
	150 mm (15)	SGD 1103	SGD 1065	SGD 1328	SGD 1290	SGD 1048	SGD 1003	SGD 1265	SGD 1228
	200 mm (20)	SGD 1103	SGD 1065	SGD 1328	SGD 1290	SGD 1048	SGD 1003	SGD 1265	SGD 1228
	250 mm (25)	SGD 1115	SGD 1078	SGD 1340	SGD 1303	SGD 1060	SGD 1015	SGD 1278	SGD 1240
	300 mm (30)	SGD 1115	SGD 1078	SGD 1340	SGD 1303	SGD 1060	SGD 1015	SGD 1278	SGD 1240

◇ **EAC6** Standard Type/Side-Mounted Type With Shaft Guide

The prices are the same even if the ② Motor Installing Direction (R, Blank), ④ Lead (D, E), and ⑧ Power Supply Input (A, C, S) are different.

⑨ Driver Type (D, Blank)	Built-in Controller Type (D)				Pulse Input Type (Blank)				
⑦ Motor Shape (A, M)	Single Shaft (A)		With Electromagnetic Brake (M)		Single Shaft (A)		With Electromagnetic Brake (M)		
⑩ Connection Cable (1, 2, 3, Blank)	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	
⑤ Stroke	50 mm (05)	SGD 1340	SGD 1303	SGD 1565	SGD 1528	SGD 1278	SGD 1240	SGD 1503	SGD 1465
	100 mm (10)	SGD 1340	SGD 1303	SGD 1565	SGD 1528	SGD 1278	SGD 1240	SGD 1503	SGD 1465
	150 mm (15)	SGD 1353	SGD 1315	SGD 1578	SGD 1540	SGD 1290	SGD 1253	SGD 1515	SGD 1478
	200 mm (20)	SGD 1353	SGD 1315	SGD 1578	SGD 1540	SGD 1290	SGD 1253	SGD 1515	SGD 1478
	250 mm (25)	SGD 1365	SGD 1328	SGD 1590	SGD 1553	SGD 1303	SGD 1265	SGD 1528	SGD 1490
	300 mm (30)	SGD 1365	SGD 1328	SGD 1590	SGD 1553	SGD 1303	SGD 1265	SGD 1528	SGD 1490

◇ **EAC6** Standard Type/Side-Mounted Type With Shaft Guide Cover

The prices are the same even if the ② Motor Installing Direction (R, Blank), ④ Lead (D, E), and ⑧ Power Supply Input (A, C, S) are different.

⑨ Driver Type (D, Blank)	Built-in Controller Type (D)				Pulse Input Type (Blank)				
⑦ Motor Shape (A, M)	Single Shaft (A)		With Electromagnetic Brake (M)		Single Shaft (A)		With Electromagnetic Brake (M)		
⑩ Connection Cable (1, 2, 3, Blank)	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	
⑤ Stroke	50 mm (05)	SGD 1365	SGD 1328	SGD 1590	SGD 1553	SGD 1303	SGD 1265	SGD 1528	SGD 1490
	100 mm (10)	SGD 1365	SGD 1328	SGD 1590	SGD 1553	SGD 1303	SGD 1265	SGD 1528	SGD 1490
	150 mm (15)	SGD 1378	SGD 1340	SGD 1603	SGD 1565	SGD 1315	SGD 1278	SGD 1540	SGD 1503
	200 mm (20)	SGD 1378	SGD 1340	SGD 1603	SGD 1565	SGD 1315	SGD 1278	SGD 1540	SGD 1503
	250 mm (25)	SGD 1390	SGD 1353	SGD 1615	SGD 1578	SGD 1328	SGD 1290	SGD 1553	SGD 1515
	300 mm (30)	SGD 1390	SGD 1353	SGD 1615	SGD 1578	SGD 1328	SGD 1290	SGD 1553	SGD 1515

Motorized Linear Slides

Q-STEP AZ/AR Equipped EZS

Motorized Cylinders

Q-STEP AZ/AR Equipped EAC

Accessories

● DC Power Supply Input

◇ Product Number Code

① Product Series	② Motor Installing Direction	③ Shaft Guide	④ Lead	⑤ Stroke	⑥ Installed Motor	⑦ Motor Shape	⑧ Power Supply Input	⑨ Driver Type	⑩ Connection Cable*2	⑪ Shaft Guide Cover
EAC4	R	W	D	05	AR	A	K	D	-1	-G
EAC2 EAC4 EAC6	R : Side-Mounted Motor Blank: Standard	W : With Shaft Guide Blank: Standard	D : 12 mm E : 6 mm F : 3 mm	05 : 50 mm 10 : 100 mm 15 : 150 mm ~ 30 : 300 mm (50 mm increments)	AR Series	A : Single Shaft M : With Electromagnetic Brake	K : 24 VDC/48 VDC*1	D : Built-in Controller Type Blank: Pulse Input Type	Number: Included Connection Cable Length -1 : 1 m -2 : 2 m -3 : 3 m Blank: Connection Cable Not Included	-G : With Shaft Guide Cover Blank: Without Shaft Guide Cover

*1 Only 24 VDC for **EAC2**

*2 Connection cables with a length of more than 3 m are available as accessories (sold separately). Connection Cable Sets → Website

◇ **EAC2** Standard Type

The prices are the same even if the ④Lead (**E, F**) is different.

⑨ Driver Type (D , Blank)	Built-in Controller Type (D)				Pulse Input Type (Blank)				
	Single Shaft (A)		With Electromagnetic Brake (M)		Single Shaft (A)		With Electromagnetic Brake (M)		
⑦ Motor Shape (A, M)	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	
⑩ Connection Cable (1, 2, 3 , Blank)	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	
	50 mm (05)	SGD 828	SGD 790	SGD 940	SGD 903	SGD 765	SGD 728	SGD 878	SGD 840
	100 mm (10)	SGD 828	SGD 790	SGD 940	SGD 903	SGD 765	SGD 728	SGD 878	SGD 840
⑤ Stroke	150 mm (15)	SGD 840	SGD 803	SGD 953	SGD 915	SGD 778	SGD 740	SGD 890	SGD 853

◇ **EAC2** Standard Type With Shaft Guide Cover

The prices are the same even if the ④Lead (**E, F**) is different.

⑨ Driver Type (D , Blank)	Built-in Controller Type (D)				Pulse Input Type (Blank)				
	Single Shaft (A)		With Electromagnetic Brake (M)		Single Shaft (A)		With Electromagnetic Brake (M)		
⑦ Motor Shape (A, M)	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	
⑩ Connection Cable (1, 2, 3 , Blank)	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	
	50 mm (05)	SGD 1040	SGD 1003	SGD 1153	SGD 1115	SGD 978	SGD 940	SGD 1090	SGD 1053
	100 mm (10)	SGD 1040	SGD 1003	SGD 1153	SGD 1115	SGD 978	SGD 940	SGD 1090	SGD 1053
⑤ Stroke	150 mm (15)	SGD 1053	SGD 1015	SGD 1165	SGD 1128	SGD 990	SGD 953	SGD 1103	SGD 1065

◇ **EAC4** Standard Type/Side-Mounted Type

The prices are the same even if the ②Motor Installing Direction (**R**, Blank) and ④Lead (**D, E**) are different.

⑨ Driver Type (D , Blank)	Built-in Controller Type (D)				Pulse Input Type (Blank)				
	Single Shaft (A)		With Electromagnetic Brake (M)		Single Shaft (A)		With Electromagnetic Brake (M)		
⑦ Motor Shape (A, M)	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	
⑩ Connection Cable (1, 2, 3 , Blank)	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	
	50 mm (05)	SGD 828	SGD 790	SGD 1003	SGD 965	SGD 765	SGD 728	SGD 940	SGD 903
	100 mm (10)	SGD 828	SGD 790	SGD 1003	SGD 965	SGD 765	SGD 728	SGD 940	SGD 903
⑤ Stroke	150 mm (15)	SGD 840	SGD 803	SGD 1015	SGD 978	SGD 778	SGD 740	SGD 953	SGD 915
	200 mm (20)	SGD 840	SGD 803	SGD 1015	SGD 978	SGD 778	SGD 740	SGD 953	SGD 915
	250 mm (25)	SGD 853	SGD 815	SGD 1028	SGD 990	SGD 790	SGD 753	SGD 965	SGD 928
	300 mm (30)	SGD 853	SGD 815	SGD 1028	SGD 990	SGD 790	SGD 753	SGD 965	SGD 928

◇ **EAC4** Standard Type/Side-Mounted Type With Shaft Guide

The prices are the same even if the ②Motor Installing Direction (**R**, Blank) and ④Lead (**D, E**) are different.

⑨ Driver Type (D , Blank)	Built-in Controller Type (D)				Pulse Input Type (Blank)				
	Single Shaft (A)		With Electromagnetic Brake (M)		Single Shaft (A)		With Electromagnetic Brake (M)		
⑦ Motor Shape (A, M)	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	
⑩ Connection Cable (1, 2, 3 , Blank)	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	
	50 mm (05)	SGD 1040	SGD 1003	SGD 1215	SGD 1178	SGD 978	SGD 940	SGD 1153	SGD 1115
	100 mm (10)	SGD 1040	SGD 1003	SGD 1215	SGD 1178	SGD 978	SGD 940	SGD 1153	SGD 1115
⑤ Stroke	150 mm (15)	SGD 1053	SGD 1015	SGD 1228	SGD 1190	SGD 990	SGD 953	SGD 1165	SGD 1128
	200 mm (20)	SGD 1053	SGD 1015	SGD 1228	SGD 1190	SGD 990	SGD 953	SGD 1165	SGD 1128
	250 mm (25)	SGD 1065	SGD 1028	SGD 1240	SGD 1203	SGD 1003	SGD 965	SGD 1178	SGD 1140
	300 mm (30)	SGD 1065	SGD 1028	SGD 1240	SGD 1203	SGD 1003	SGD 965	SGD 1178	SGD 1140

◇ **EAC4** Standard Type/Side-Mounted Type With Shaft Guide Cover

The prices are the same even if the ②Motor Installing Direction (**R**, Blank) and ④Lead (**D, E**) are different.

⑨ Driver Type (D , Blank)	Built-in Controller Type (D)				Pulse Input Type (Blank)				
	Single Shaft (A)		With Electromagnetic Brake (M)		Single Shaft (A)		With Electromagnetic Brake (M)		
⑦ Motor Shape (A, M)	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	
⑩ Connection Cable (1, 2, 3 , Blank)	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	
	50 mm (05)	SGD 1065	SGD 1028	SGD 1240	SGD 1203	SGD 1003	SGD 965	SGD 1178	SGD 1140
	100 mm (10)	SGD 1065	SGD 1028	SGD 1240	SGD 1203	SGD 1003	SGD 965	SGD 1178	SGD 1140
⑤ Stroke	150 mm (15)	SGD 1078	SGD 1040	SGD 1253	SGD 1215	SGD 1015	SGD 978	SGD 1190	SGD 1153
	200 mm (20)	SGD 1078	SGD 1040	SGD 1253	SGD 1215	SGD 1015	SGD 978	SGD 1190	SGD 1153
	250 mm (25)	SGD 1090	SGD 1053	SGD 1265	SGD 1228	SGD 1028	SGD 990	SGD 1203	SGD 1165
	300 mm (30)	SGD 1090	SGD 1053	SGD 1265	SGD 1228	SGD 1028	SGD 990	SGD 1203	SGD 1165

◇EAC6 Standard Type/Side-Mounted Type

The prices are the same even if the ②Motor Installing Direction (R, Blank) and ④Lead (D, E) are different.

⑨ Driver Type (D, Blank)	Built-in Controller Type (D)				Pulse Input Type (Blank)				
⑦ Motor Shape (A, M)	Single Shaft (A)		With Electromagnetic Brake (M)		Single Shaft (A)		With Electromagnetic Brake (M)		
⑩ Connection Cable (1, 2, 3, Blank)	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	
⑤ Stroke	50 mm (05)	SGD 903	SGD 865	SGD 1128	SGD 1090	SGD 840	SGD 803	SGD 1065	SGD 1028
	100 mm (10)	SGD 903	SGD 865	SGD 1128	SGD 1090	SGD 840	SGD 803	SGD 1065	SGD 1028
	150 mm (15)	SGD 915	SGD 878	SGD 1140	SGD 1103	SGD 853	SGD 815	SGD 1078	SGD 1040
	200 mm (20)	SGD 915	SGD 878	SGD 1140	SGD 1103	SGD 853	SGD 815	SGD 1078	SGD 1040
	250 mm (25)	SGD 928	SGD 890	SGD 1153	SGD 1115	SGD 865	SGD 828	SGD 1090	SGD 1053
300 mm (30)	SGD 928	SGD 890	SGD 1153	SGD 1115	SGD 865	SGD 828	SGD 1090	SGD 1053	

◇EAC6 Standard Type/Side-Mounted Type With Shaft Guide

The prices are the same even if the ②Motor Installing Direction (R, Blank) and ④Lead (D, E) are different.

⑨ Driver Type (D, Blank)	Built-in Controller Type (D)				Pulse Input Type (Blank)				
⑦ Motor Shape (A, M)	Single Shaft (A)		With Electromagnetic Brake (M)		Single Shaft (A)		With Electromagnetic Brake (M)		
⑩ Connection Cable (1, 2, 3, Blank)	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	
⑤ Stroke	50 mm (05)	SGD 1153	SGD 1115	SGD 1378	SGD 1340	SGD 1090	SGD 1053	SGD 1315	SGD 1278
	100 mm (10)	SGD 1153	SGD 1115	SGD 1378	SGD 1340	SGD 1090	SGD 1053	SGD 1315	SGD 1278
	150 mm (15)	SGD 1165	SGD 1128	SGD 1390	SGD 1353	SGD 1103	SGD 1065	SGD 1328	SGD 1290
	200 mm (20)	SGD 1165	SGD 1128	SGD 1390	SGD 1353	SGD 1103	SGD 1065	SGD 1328	SGD 1290
	250 mm (25)	SGD 1178	SGD 1140	SGD 1403	SGD 1365	SGD 1115	SGD 1078	SGD 1340	SGD 1303
300 mm (30)	SGD 1178	SGD 1140	SGD 1403	SGD 1365	SGD 1115	SGD 1078	SGD 1340	SGD 1303	

◇EAC6 Standard Type/Side-Mounted Type With Shaft Guide Cover

The prices are the same even if the ②Motor Installing Direction (R, Blank) and ④Lead (D, E) are different.

⑨ Driver Type (D, Blank)	Built-in Controller Type (D)				Pulse Input Type (Blank)				
⑦ Motor Shape (A, M)	Single Shaft (A)		With Electromagnetic Brake (M)		Single Shaft (A)		With Electromagnetic Brake (M)		
⑩ Connection Cable (1, 2, 3, Blank)	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	Included (1, 2, 3)	Blank	
⑤ Stroke	50 mm (05)	SGD 1178	SGD 1140	SGD 1403	SGD 1365	SGD 1115	SGD 1078	SGD 1340	SGD 1303
	100 mm (10)	SGD 1178	SGD 1140	SGD 1403	SGD 1365	SGD 1115	SGD 1078	SGD 1340	SGD 1303
	150 mm (15)	SGD 1190	SGD 1153	SGD 1415	SGD 1378	SGD 1128	SGD 1090	SGD 1353	SGD 1315
	200 mm (20)	SGD 1190	SGD 1153	SGD 1415	SGD 1378	SGD 1128	SGD 1090	SGD 1353	SGD 1315
	250 mm (25)	SGD 1203	SGD 1165	SGD 1428	SGD 1390	SGD 1140	SGD 1103	SGD 1365	SGD 1328
300 mm (30)	SGD 1203	SGD 1165	SGD 1428	SGD 1390	SGD 1140	SGD 1103	SGD 1365	SGD 1328	

Accessories

Accessories Type	Actuator	Driver	Varistor	Connection Cable*1	Connector	Operating Manual
For All Types	1 unit	1 unit	1 pc. (Only with Electromagnetic Brakes of Pulse Input Type DC Power Supply Input)	• Cable for motor • Cable for electromagnetic brake (Electromagnetic brake type only)	• Connector for CN1 (1 pc.) • Connector for CN3 (1 pc.)*2 • Connector for CN5 (1 pc.) • Connector wiring lever (1 pc.)*2 • Connector for CN8 (1 pc.)*3 • Connector for CN9 (1 pc.)*3	1 set

*1 Only with products supplied with a connection cable

*2 AC power supply input only

*3 Only for built-in controller type

Motorized Linear Slides

Q-STEP AZ/AR Equipped EZS

Motorized Cylinders

Q-STEP AZ/AR Equipped EAC

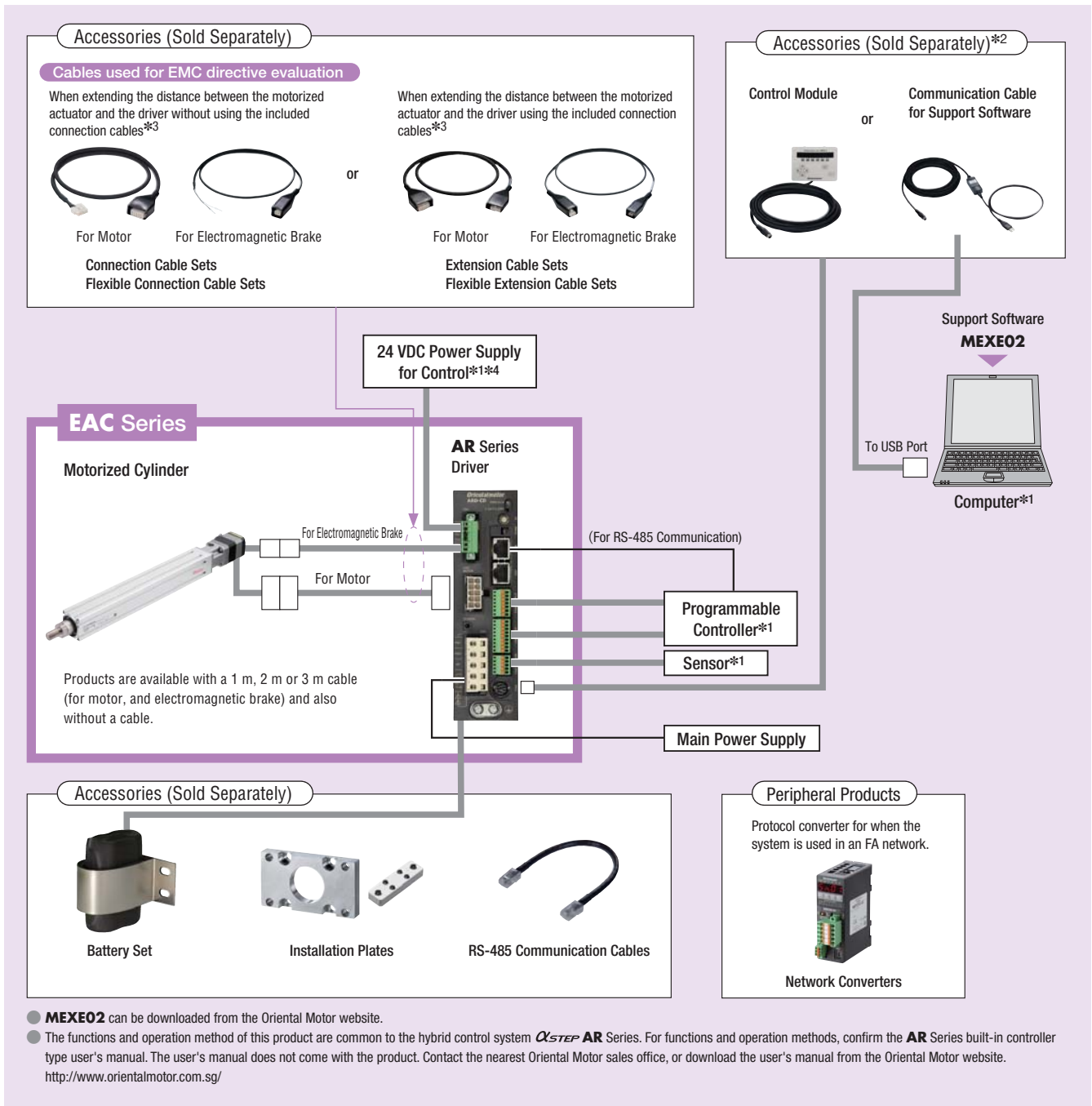
Accessories

System Configuration

● When using a Motorized Actuator with Electromagnetic Brake and a Built-in Controller Type Driver (AC power supply input and DC power supply input are both indicated. The photo shows a type for AC power supply input.)

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

- *1 Not supplied.
- *2 Required for I/O control drive.
- *3 Only with products supplied with a connection cable.
- *4 A product for DC power supply is unnecessary.



● Price Examples of System Configurations

EAC Series	+	Sold Separately Installation Plate (Foot Type)
EAC4-E05-ARMCD-1 SGD 1190		PAP4EAC SGD 30

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

Notes on Detailed Information and Use

Refer to the **Website**

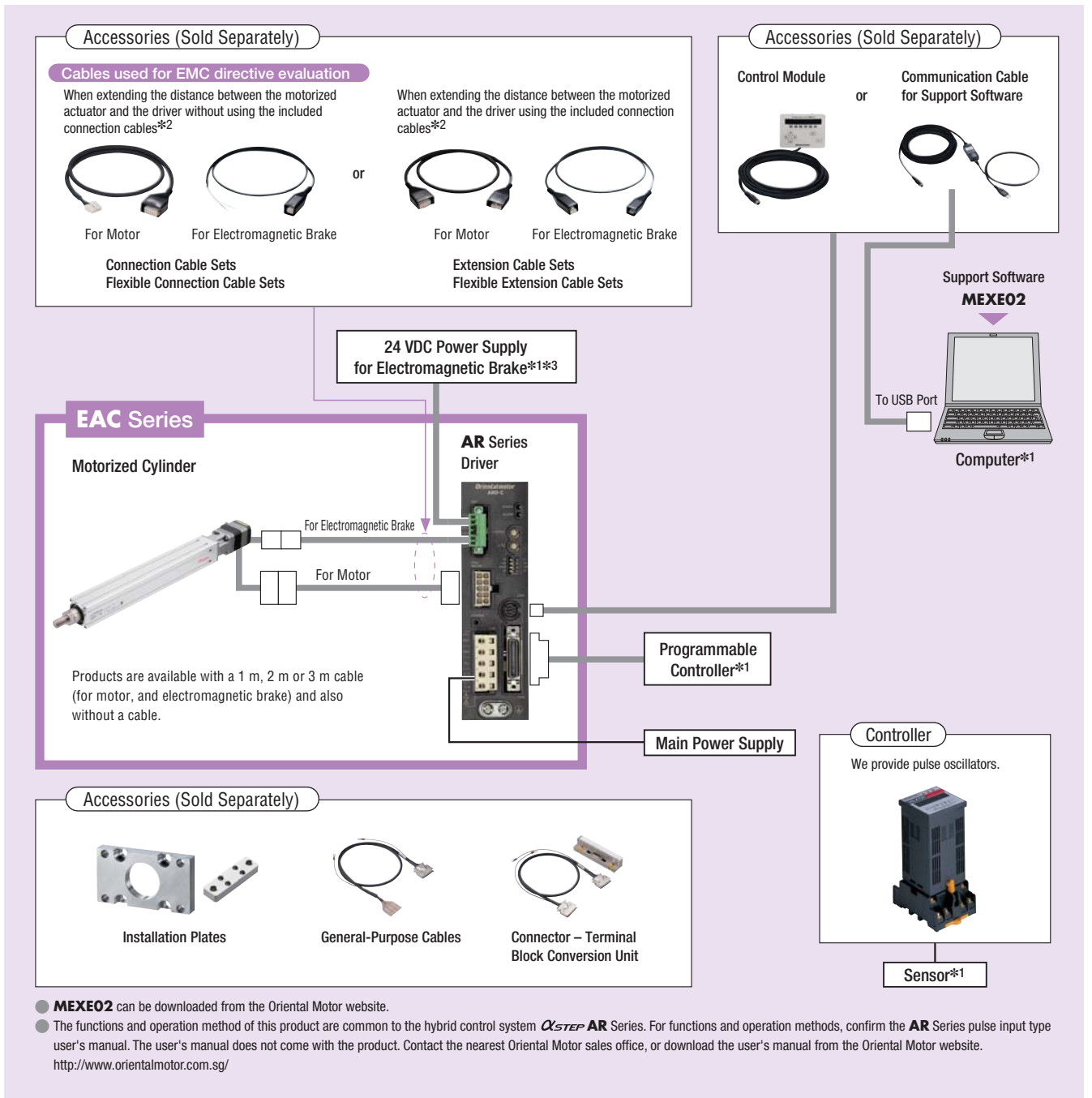
Visit the Oriental Motor website for product details.

<http://www.orientalmotor.com.sg/>

● When using a Motorized Actuator with Electromagnetic Brake and a Pulse Input Type Driver
(AC power supply input and DC power supply input are both indicated. The photo shows a type for AC power supply input.)

The figure below shows a sample configuration of a single axis system which uses a programmable controller (Equipped with a pulse oscillator).

- *1 Not supplied.
- *2 Only with products supplied with a connection cable.
- *3 DC power input products are used by directly wiring the 24 VDC power supply to the cable for electromagnetic brakes.



- **MEXE02** can be downloaded from the Oriental Motor website.
- The functions and operation method of this product are common to the hybrid control system **QSTEP AR Series**. For functions and operation methods, confirm the **AR Series** pulse input type user's manual. The user's manual does not come with the product. Contact the nearest Oriental Motor sales office, or download the user's manual from the Oriental Motor website. <http://www.orientalmotor.com.sg/>

● Price Examples of System Configurations

EAC Series	Sold Separately	
	Installation Plate (Foot Type)	Connector – Terminal Block Conversion Unit (1 m)
EAC4-E05-ARMC-1 SGD 1128	PAP4EAC SGD 30	CC36T10E SGD 218

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

Notes on Detailed Information and Use Refer to the **Website**

Visit the Oriental Motor website for product details.

<http://www.orientalmotor.com.sg/>

Motorized Linear Slides

QSTEP AZ/AR Equipped EAS

Motorized Cylinders

QSTEP AZ/AR Equipped EAC

Accessories

αSTEP AZ Series Equipped EZS/EAC Series Common Accessories (Connection cables for motor and driver)

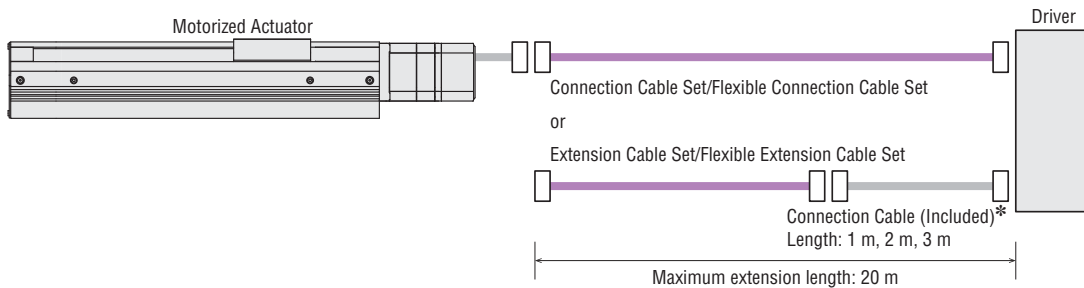
Connection Cable Sets, Flexible Connection Cable Sets Extension Cable Sets, Flexible Extension Cable Sets

αSTEP AZ Series equipped motorized actuators include products with and without cables (1 m, 2 m, 3 m) that connect motors and drivers.

If the distance between the motor and driver is extended to 3 m or longer, a connection cable set or extension cable set must be used.

Keep the wiring distance between the motor and driver to 20 m or less.

Use a flexible connection cable set or flexible extension cable set if the cable will be bent repeatedly.



Note

● The motor cable and electromagnetic brake cable from the motor cannot be directly connected to a driver. To connect to a driver, use an accessory connection cable (sold separately) or the connection cable included in the product (if included).

AC Power Supply Input

Connection Cable Sets, Flexible Connection Cable Sets

Product Lines and Prices

● For Motors/Encoders



For Motor For Encoder

Type	Product Name	Length L (m)	List Price
Connection Cable Set	CC005VZF	0.5	SGD 38
	CC010VZF	1	SGD 38
	CC015VZF	1.5	SGD 44
	CC020VZF	2	SGD 50
	CC025VZF	2.5	SGD 56
	CC030VZF	3	SGD 63
	CC040VZF	4	SGD 98
	CC050VZF	5	SGD 110
	CC070VZF	7	SGD 136
	CC100VZF	10	SGD 176
Flexible Connection Cable Set	CC150VZF	15	SGD 244
	CC200VZF	20	SGD 310
	CC005VZR	0.5	SGD 84
	CC010VZR	1	SGD 84
	CC015VZR	1.5	SGD 92
	CC020VZR	2	SGD 99
	CC025VZR	2.5	SGD 106
	CC030VZR	3	SGD 111
	CC040VZR	4	SGD 126
	CC050VZR	5	SGD 141
Flexible Connection Cable Set	CC070VZR	7	SGD 180
	CC100VZR	10	SGD 236
	CC150VZR	15	SGD 333
	CC200VZR	20	SGD 426

● For Motors/Encoders/Electromagnetic Brakes



For Motor For Encoder For Electromagnetic Brake

Type	Product Name	Length L (m)	List Price
Connection Cable Set	CC005VZFB	0.5	SGD 53
	CC010VZFB	1	SGD 53
	CC015VZFB	1.5	SGD 60
	CC020VZFB	2	SGD 68
	CC025VZFB	2.5	SGD 75
	CC030VZFB	3	SGD 83
	CC040VZFB	4	SGD 121
	CC050VZFB	5	SGD 135
	CC070VZFB	7	SGD 166
	CC100VZFB	10	SGD 214
Flexible Connection Cable Set	CC150VZFB	15	SGD 294
	CC200VZFB	20	SGD 373
	CC005VZRB	0.5	SGD 114
	CC010VZRB	1	SGD 114
	CC015VZRB	1.5	SGD 124
	CC020VZRB	2	SGD 134
	CC025VZRB	2.5	SGD 143
	CC030VZRB	3	SGD 151
	CC040VZRB	4	SGD 171
	CC050VZRB	5	SGD 191
Flexible Connection Cable Set	CC070VZRB	7	SGD 240
	CC100VZRB	10	SGD 311
	CC150VZRB	15	SGD 433
	CC200VZRB	20	SGD 551

Extension Cable Sets, Flexible Extension Cable Sets

Product Lines and Prices

For Motors/Encoders



For Motor For Encoder

Type	Product Name	Length L (m)	List Price
Extension Cable Set	CC010VZFT	1	SGD 71
	CC020VZFT	2	SGD 81
	CC030VZFT	3	SGD 91
	CC050VZFT	5	SGD 110
	CC070VZFT	7	SGD 136
	CC100VZFT	10	SGD 176
	CC150VZFT	15	SGD 244
Flexible Extension Cable Set	CC010VZRT	1	SGD 84
	CC020VZRT	2	SGD 99
	CC030VZRT	3	SGD 111
	CC050VZRT	5	SGD 141
	CC070VZRT	7	SGD 180
	CC100VZRT	10	SGD 236
	CC150VZRT	15	SGD 333

For Motors/Encoders/Electromagnetic Brakes



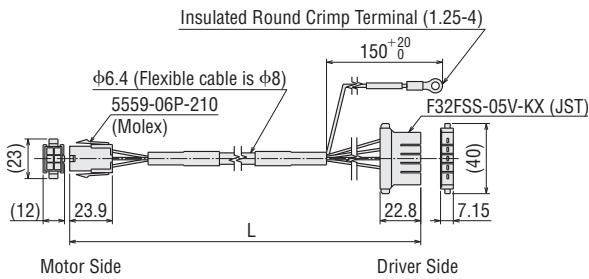
For Motor For Encoder For Electromagnetic Brake

Type	Product Name	Length L (m)	List Price
Extension Cable Set	CC010VZFBT	1	SGD 86
	CC020VZFBT	2	SGD 98
	CC030VZFBT	3	SGD 111
	CC050VZFBT	5	SGD 135
	CC070VZFBT	7	SGD 166
	CC100VZFBT	10	SGD 214
	CC150VZFBT	15	SGD 294
Flexible Extension Cable Set	CC010VZRB	1	SGD 114
	CC020VZRB	2	SGD 134
	CC030VZRB	3	SGD 151
	CC050VZRB	5	SGD 191
	CC070VZRB	7	SGD 240
	CC100VZRB	10	SGD 311
	CC150VZRB	15	SGD 433

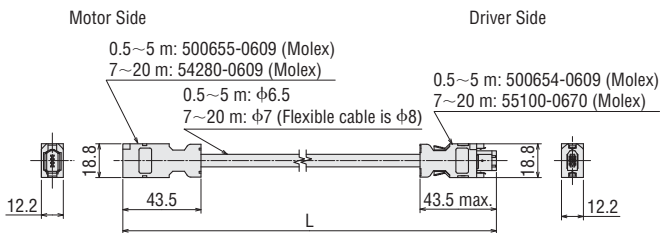
Dimensions (Unit = mm)

Connection Cable Set, Flexible Connection Cable Set

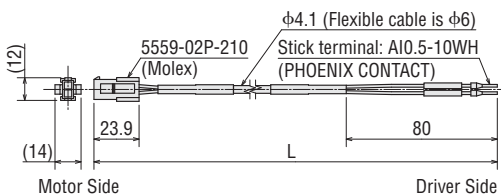
◇ Cable for Motor



◇ Cable for Encoder

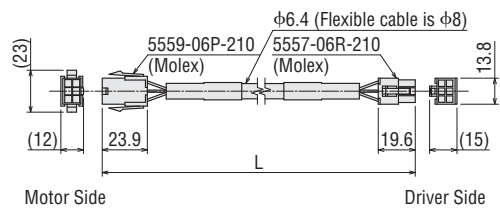


◇ Cable for Electromagnetic Brake

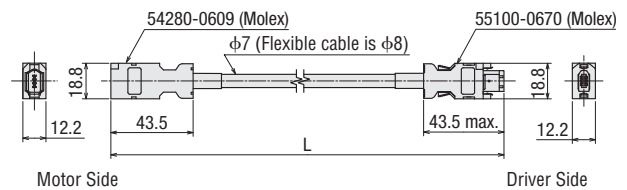


Extension Cable Set, Flexible Extension Cable Set

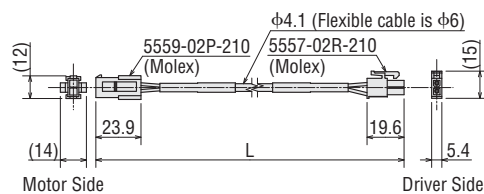
◇ Cable for Motor



◇ Cable for Encoder



◇ Cable for Electromagnetic Brake



Motorized Linear Slides

Q-STEP AZ/AR Equipped EZS

Motorized Cylinders

Q-STEP AZ/AR Equipped EAC

Accessories

DC Power Supply Input

Connection Cable Sets, Flexible Connection Cable Sets

Product Lines and Prices

[For **EAC2**]

● For Motors/Encoders



Type	Product Name	Length L (m)	List Price
Connection Cable Set	CC005VZ2F2	0.5	SGD 38
	CC010VZ2F2	1	SGD 38
	CC015VZ2F2	1.5	SGD 44
	CC020VZ2F2	2	SGD 50
	CC025VZ2F2	2.5	SGD 56
	CC030VZ2F2	3	SGD 63
	CC040VZ2F2	4	SGD 98
	CC050VZ2F2	5	SGD 110
	CC070VZ2F2	7	SGD 136
	CC100VZ2F2	10	SGD 176
	CC150VZ2F2	15	SGD 244
CC200VZ2F2	20	SGD 310	
Flexible Connection Cable Set	CC005VZ2R2	0.5	SGD 84
	CC010VZ2R2	1	SGD 84
	CC015VZ2R2	1.5	SGD 92
	CC020VZ2R2	2	SGD 99
	CC025VZ2R2	2.5	SGD 106
	CC030VZ2R2	3	SGD 111
	CC040VZ2R2	4	SGD 126
	CC050VZ2R2	5	SGD 141
	CC070VZ2R2	7	SGD 180
	CC100VZ2R2	10	SGD 236
	CC150VZ2R2	15	SGD 333
CC200VZ2R2	20	SGD 426	

[For **EZS3, EZS4, EZS6, EAC4, EAC6**]

● For Motors/Encoders



For Motor

For Encoder

Type	Product Name	Length L (m)	List Price
Connection Cable Set	CC005VZF2	0.5	SGD 38
	CC010VZF2	1	SGD 38
	CC015VZF2	1.5	SGD 44
	CC020VZF2	2	SGD 50
	CC025VZF2	2.5	SGD 56
	CC030VZF2	3	SGD 63
	CC040VZF2	4	SGD 98
	CC050VZF2	5	SGD 110
	CC070VZF2	7	SGD 136
	CC100VZF2	10	SGD 176
	CC150VZF2	15	SGD 244
CC200VZF2	20	SGD 310	
Flexible Connection Cable Set	CC005VZR2	0.5	SGD 84
	CC010VZR2	1	SGD 84
	CC015VZR2	1.5	SGD 92
	CC020VZR2	2	SGD 99
	CC025VZR2	2.5	SGD 106
	CC030VZR2	3	SGD 111
	CC040VZR2	4	SGD 126
	CC050VZR2	5	SGD 141
	CC070VZR2	7	SGD 180
	CC100VZR2	10	SGD 236
	CC150VZR2	15	SGD 333
CC200VZR2	20	SGD 426	

● For Motors/Encoders/Electromagnetic Brakes



For Motor

For Encoder

For Electromagnetic Brake

Type	Product Name	Length L (m)	List Price
Connection Cable Set	CC005VZFB2	0.5	SGD 53
	CC010VZFB2	1	SGD 53
	CC015VZFB2	1.5	SGD 60
	CC020VZFB2	2	SGD 68
	CC025VZFB2	2.5	SGD 75
	CC030VZFB2	3	SGD 83
	CC040VZFB2	4	SGD 121
	CC050VZFB2	5	SGD 135
	CC070VZFB2	7	SGD 166
	CC100VZFB2	10	SGD 214
	CC150VZFB2	15	SGD 294
CC200VZFB2	20	SGD 373	
Flexible Connection Cable Set	CC005VZRB2	0.5	SGD 114
	CC010VZRB2	1	SGD 114
	CC015VZRB2	1.5	SGD 124
	CC020VZRB2	2	SGD 134
	CC025VZRB2	2.5	SGD 143
	CC030VZRB2	3	SGD 151
	CC040VZRB2	4	SGD 171
	CC050VZRB2	5	SGD 191
	CC070VZRB2	7	SGD 240
	CC100VZRB2	10	SGD 311
	CC150VZRB2	15	SGD 433
CC200VZRB2	20	SGD 551	

Extension Cable Sets, Flexible Extension Cable Sets

Product Lines and Prices

[For **EAC2**]

● For Motors/Encoders



Type	Product Name	Length L (m)	List Price
Extension Cable Set	CC010VZ2FT	1	SGD 71
	CC020VZ2FT	2	SGD 81
	CC030VZ2FT	3	SGD 91
	CC050VZ2FT	5	SGD 110
	CC070VZ2FT	7	SGD 136
	CC100VZ2FT	10	SGD 176
	CC150VZ2FT	15	SGD 244
Flexible Extension Cable Set	CC010VZ2RT	1	SGD 84
	CC020VZ2RT	2	SGD 99
	CC030VZ2RT	3	SGD 111
	CC050VZ2RT	5	SGD 141
	CC070VZ2RT	7	SGD 180
	CC100VZ2RT	10	SGD 236
	CC150VZ2RT	15	SGD 333

[For **EZS3, EZS4, EZS6, EAC4, EAC6**]

● For Motors/Encoders



For Motor

For Encoder

Type	Product Name	Length L (m)	List Price
Extension Cable Set	CC010VZFT	1	SGD 71
	CC020VZFT	2	SGD 81
	CC030VZFT	3	SGD 91
	CC050VZFT	5	SGD 110
	CC070VZFT	7	SGD 136
	CC100VZFT	10	SGD 176
	CC150VZFT	15	SGD 244
Flexible Extension Cable Set	CC010VZRT	1	SGD 84
	CC020VZRT	2	SGD 99
	CC030VZRT	3	SGD 111
	CC050VZRT	5	SGD 141
	CC070VZRT	7	SGD 180
	CC100VZRT	10	SGD 236
	CC150VZRT	15	SGD 333

● For Motors/Encoders/Electromagnetic Brakes



For Motor

For Encoder

For Electromagnetic Brake

Type	Product Name	Length L (m)	List Price
Extension Cable Set	CC010VZFBT	1	SGD 86
	CC020VZFBT	2	SGD 98
	CC030VZFBT	3	SGD 111
	CC050VZFBT	5	SGD 135
	CC070VZFBT	7	SGD 166
	CC100VZFBT	10	SGD 214
	CC150VZFBT	15	SGD 294
Flexible Extension Cable Set	CC010VZRBT	1	SGD 114
	CC020VZRBT	2	SGD 134
	CC030VZRBT	3	SGD 151
	CC050VZRBT	5	SGD 191
	CC070VZRBT	7	SGD 240
	CC100VZRBT	10	SGD 311
	CC150VZRBT	15	SGD 433

Motorized
Linear
Slides

Q-STEP
AZ/AR
Equipped
EZS

Motorized
Cylinders

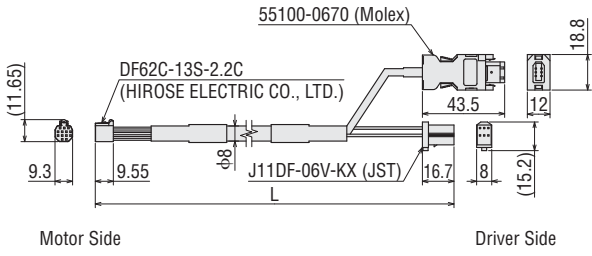
Q-STEP
AZ/AR
Equipped
EAC

Accessories

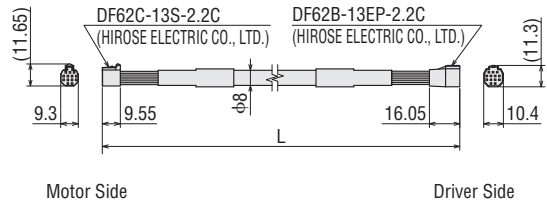
Dimensions (Unit = mm)

[For EAC2]

● Connection Cable Set, Flexible Connection Cable Set



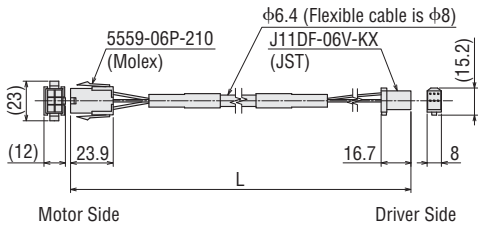
● Extension Cable Set, Flexible Extension Cable Set



[For EZS3, EZS4, EZS6, EAC4, EAC6]

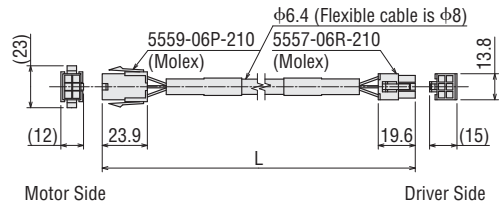
● Connection Cable Set, Flexible Connection Cable Set

◇ Cable for Motor

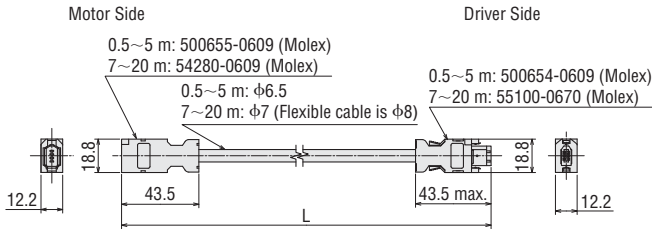


● Extension Cable Set, Flexible Extension Cable Set

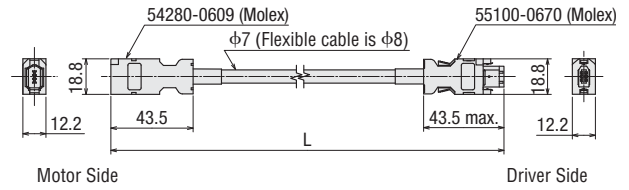
◇ Cable for Motor



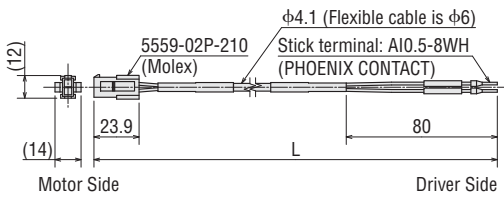
◇ Cable for Encoder



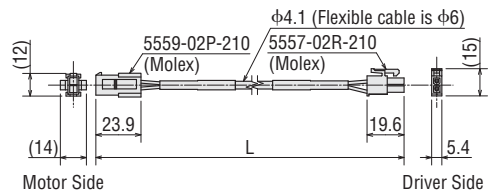
◇ Cable for Encoder



◇ Cable for Electromagnetic Brake



◇ Cable for Electromagnetic Brake

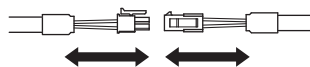
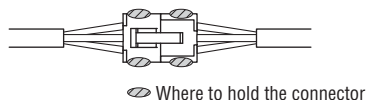


Notes on Use of Cables

Notes When Connecting the Connector

When removing/connecting the connector, be sure to hold the connector.

Holding the cable may cause connection failure.



When Inserting the Connector

Be sure to hold the connector and firmly insert it straight into the socket.

Inserting the connector at an angle may damage the terminal or result in a bad connection.

When Disconnecting the Connector

While releasing the lock of the connector, pull it out straight.

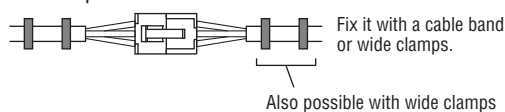
Pulling the cable may damage the connector.

Notes When Wiring the Flexible Cable

Do not allow the cable to bend at the connector. Stress will be applied to the connector and terminal, resulting in bad connection and disconnection.

Method for Fixing the Cable

Fix at 2 points so the connector does not move.



Cable Wiring Length and Bending Radius

Perform wiring at appropriate lengths so that the cable is not stretched when moved.

Also, the bending radius (R) should be 6 times the cable diameter.



Cable Interference

If wiring within the cable holder, be sure the cables do not interfere with each other. Stress will be applied to the cable, resulting in early disconnection. Thoroughly confirm the cable holder notes before use.

Cable Distortion

Wire the cables so that they are not distorted. Bending the cables while distorted may lead to early disconnection.

After wiring, confirm that the cables are not distorted by checking the marked portions on the cable surface.

Content on "Accessories" Pages of This Catalog

Only "Connection cable sets/Flexible connection cable sets" and "Extension cable sets/Flexible extension cable sets" used to connect **αSTEP** equipped **AZ** Series motors and drivers are listed on the Accessories pages of this catalog. For other accessories, refer to the "Oriental Motor General Catalog 2019/2020" or the "Oriental Motor website".

Primary Accessories Not Listed on This Catalog

*For the following, refer to the corresponding page of the "Oriental Motor General Catalog 2019/2020".

For **EAC** Series (Installation Plates)

08-61 *



Safety Precautions

- To ensure correct operation, carefully read the Operating Manual before using it.
- The products listed in this catalogue are for industrial use and for built-in component. Do not use for any other applications.

- The factories which manufacture the products listed in this catalogue have obtained Quality Management Systems ISO9001 and Environment Management Systems ISO14001.
- The content listed in this catalogue such as performance and specifications of the products are subject to change without notice for improvements.
- The price of all products listed in this catalogue does not include the consumption tax etc.
- For details of the products, please contact the nearest dealer, sales office or the following "Order Support Center" or "Customer Support Center".
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Orientalmotor

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