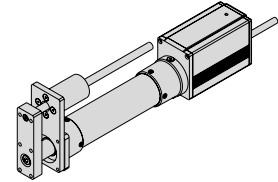


ERC-RA64GS

ROBO Cylinder, Rod Type, Flange Width 64mm, Pulse Motor, w/ Single Guide



Type Rod (68mm wide), w/ Single Guide Stroke 50 ~ 300mm Load capacity 55kg (horizontal)/25kg (vertical)

Model Specification Items Series - Type - Encoder type - Motor - Lead - Stroke - Cable length - Options
 (Example) ERC - RA64GS - I - PM - 8 - 300 - S - FT

* Refer to page 37 for the details of model specification items.

Model/Specifications

*With the ERC series, the maximum speed will vary depending on the weight of the load placed on the slider (or rod). Refer to the diagrams on page 26 for the relationship of speed and load capacity.

Model	Encoder type	Motor	Lead (mm)	Stroke 50mm increments (mm)	Speed (Note 1) (mm/s)	Load capacity (Note 2)		Maximum push force (N)
						Horizontal (kg)	Vertical (kg)	
ERC-RA64-I-PM-16-***-△-□	Incremental	Pulse motor	16	50 ~ 300	10 ~ 450 <400>	40~2	5~0.5	220
ERC-RA64-I-PM-8-***-△-□			8		5 ~ 250 <200>	50~3.5	17.5~1	441
ERC-RA64-I-PM-4-***-△-□			4		1 ~ 125	55~25	25~2	873

* In the above model names, *** the stroke, △ the cable length, and □ the applicable options.

* Calculate the load capacity by subtracting the guide weight from the applicable weight found in "Dimensions, weight and Maximum Speed by Stroke" (the table shown below the figures).

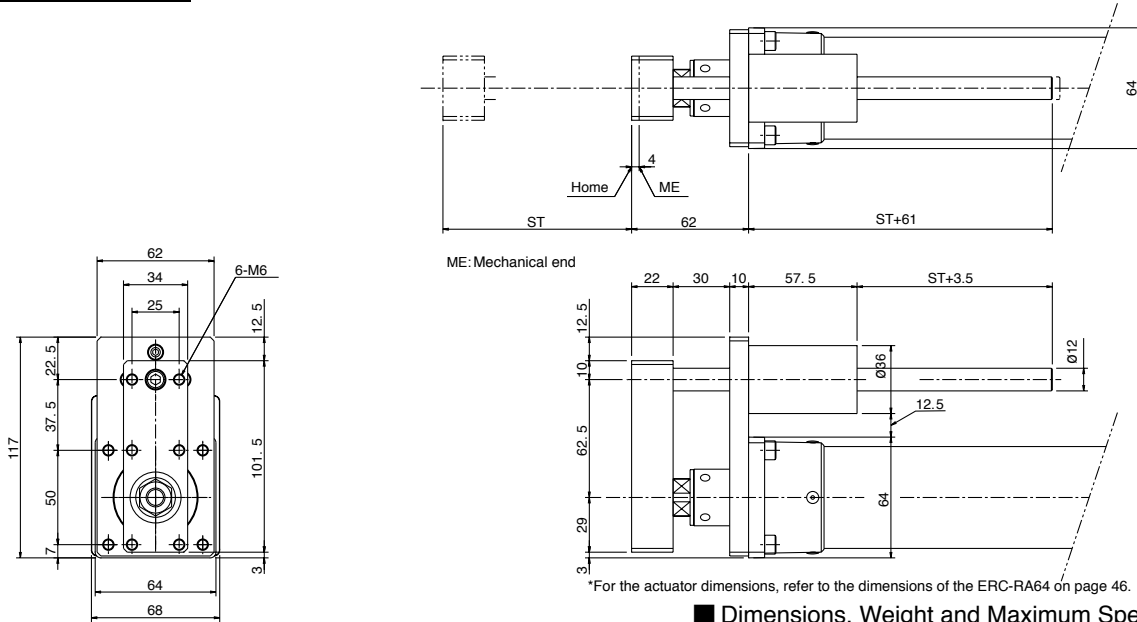
Options

Name	Code	Page
Foot bracket	FT	→P139

Common Specifications

Drive system □	Ball screw ø10mm, rolled C10
Positioning repeatability □	±0.05mm
Backlash □	0.1mm or less
Guide □	Single guide (guide rod diameter ø12mm, ball bush type)
Rod diameter □	ø30mm dedicated SUS pipe
Rod non-rotation accuracy □	±0.05°
Actuator □ □	Pipe (ø55 SUS), flange (aluminum die-cast), motor cover (extruded aluminum)
Cable length (Note 3) □	N: No cable, P: 1m, S: 3m, M: 5m, X□□: Length specification, W□□: Connectors on both ends

Dimensions



*For the actuator dimensions, refer to the dimensions of the ERC-RA64 on page 46.

Dimensions, Weight and Maximum Speed by Stroke

Stroke	50	100	150	200	250	300
Guide weight (kg)	0.3	0.3	0.4	0.4	0.5	0.5
Guide □ + Actuator weight (kg)	3.0	3.2	3.4	3.6	3.8	4.0
Maximum Speed (mm/s)	Lead 16	450 <400>				500
	Lead 8	250 <200>				250
	Lead 4	125				125

Applicable Controller Specifications

Applicable Controller	Maximum number of controlled axes	Compatible encoder type	Program operation	Positioner operation	Pulse-train control	Power supply voltage	Page
Built-in	1 axis	Incremental	×	○	×	DC24V	→P144



(Note 1) The figures in <> apply to a vertical application.
 (Note 2) To use the actuator alone, refer to the diagrams of allowable tip load and traveling life on page 132.
 (Note 3) The load capacity is based on operation at an acceleration of 0.3 G (or 0.2 G if the lead is 3 mm or in the case of a vertical application). The horizontal load capacity assumes that the actuator is used with a guide or guides.

* Refer to page 23 for other points to note.

ERC Actuators
 RCP2 Actuators
 RCS Actuators
 Information on Guide Types
 Actuator Options
 How to Install Actuator
 ERC Controllers
 RCP2 Controllers
 RCS Controllers