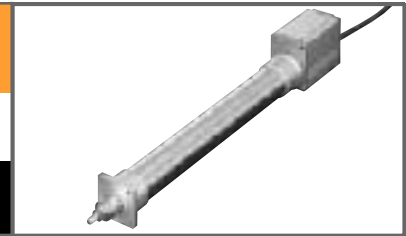


# ERC-RA64

ROBO Cylinder, Rod Type, Flange Width 64mm, Pulse Motor, Straight Shape



Type	Rod (68mm wide), no guide	Stroke	50 ~ 300mm	Load capacity	55kg (horizontal)/25kg (vertical)
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Model Specification Items Series - Type - Encoder type - Motor - Output - Lead Stroke - Cable length - Options  
 (Example) ERC - RA64 - I - PM - 16 - 300 - S - NM

\* 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 25 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 ~ 600	10 ~ 450 <400>	40~2	5~0.5	-
ERC-RA64-I-PM-8-***-△-□			8		5 ~ 250 <200>	50~3.5	17.5~1	-
ERC-RA64-I-PM-4-***-△-□			4		1 ~ 125	55~25	25~2	-

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

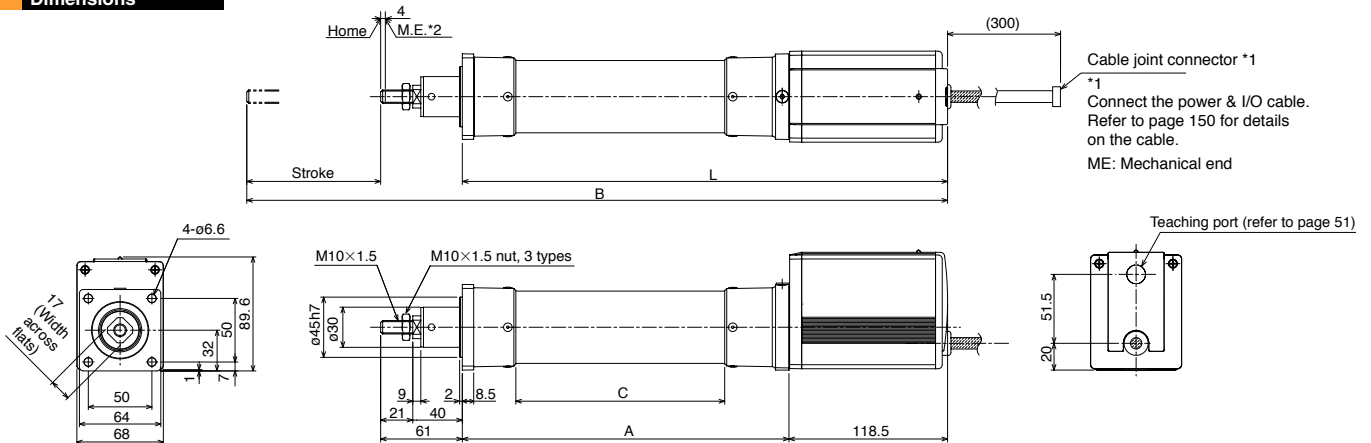
### Options

Name	Code	Page
Brake	B	→P137
Foot bracket	FT	→P139
Reversed-home specification	NM	→P137

### Common Specifications

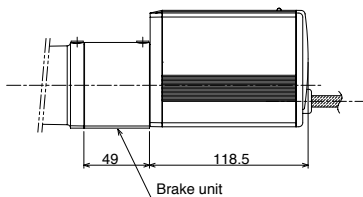
Drive system□	Ball screw ø12mm, rolled C10
Positioning repeatability□	±0.05mm
Backlash□	0.1mm or less
Guide□	No guide
Rod diameter □	ø30-mm dedicated SUS pipe
Rod non-rotation accuracy□	±1.5°
Actuator□ □	Pipe (ø55 SUS), flange (aluminum die-cast), motor cover (extruded aluminum)
Cable length (Note 3)□	N: No cable, P: 1m, S: 3m, M: 5m, X□□: Length specification, W□□: Connectors on both ends

### Dimensions



### External view of the brake specification

\* The overall length of the brake specification is 49 mm longer than that of the standard specification.



### Dimensions, Weight and Maximum Speed by Stroke

Stroke	50	100	150	200	250	300
L	312.5	362.5	412.5	462.5	512.5	562.5
A	194	244	294	344	394	444
B	423.5	523.5	623.5	723.5	823.5	923.5
C	106	156	206	256	306	356
Weight (kg)	2.7	2.9	3.0	3.2	3.3	3.5
Maximum Speed (mm/s)	Lead 16	450 <400>				
	Lead 8	250 <200>				
	Lead 4	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) A longer stroke will result in a lower maximum speed to prevent the ball screw from reaching a dangerous speed. (Refer to the above table for the maximum speed at a given stroke.)  
 (Note 3) The maximum cable length is 10 m. Specify the desired length in meters (e.g., X08 = 8 m).

\* 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