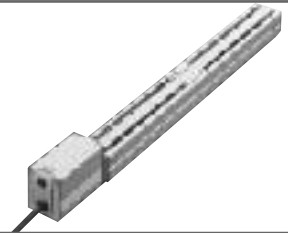


ERC-SA6

ROBO Cylinder Slider Type: Actuator Width 58mm, Pulse Motor, Straight Shape



Type Slider (58mm wide) Stroke 50 ~ 600mm Load capacity 12kg (horizontal)/6kg (vertical)

Model Specification Items Series Type Encoder type Motor Lead Stroke Cable length Options
 (Example) ERC-SA6-I-PM-12-600-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-SA6-I-PM-12-***-△-□	Incremental	Pulse motor	12	50 ~ 600	10 ~ 600	6 ~ 2	1.5 ~ 1	-
ERC-SA6-I-PM-6-***-△-□			6		5 ~ 300	12	3 ~ 2.5	-
ERC-SA6-I-PM-3-***-△-□			3		1 ~ 150	12	6 ~ 4	-

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

Options

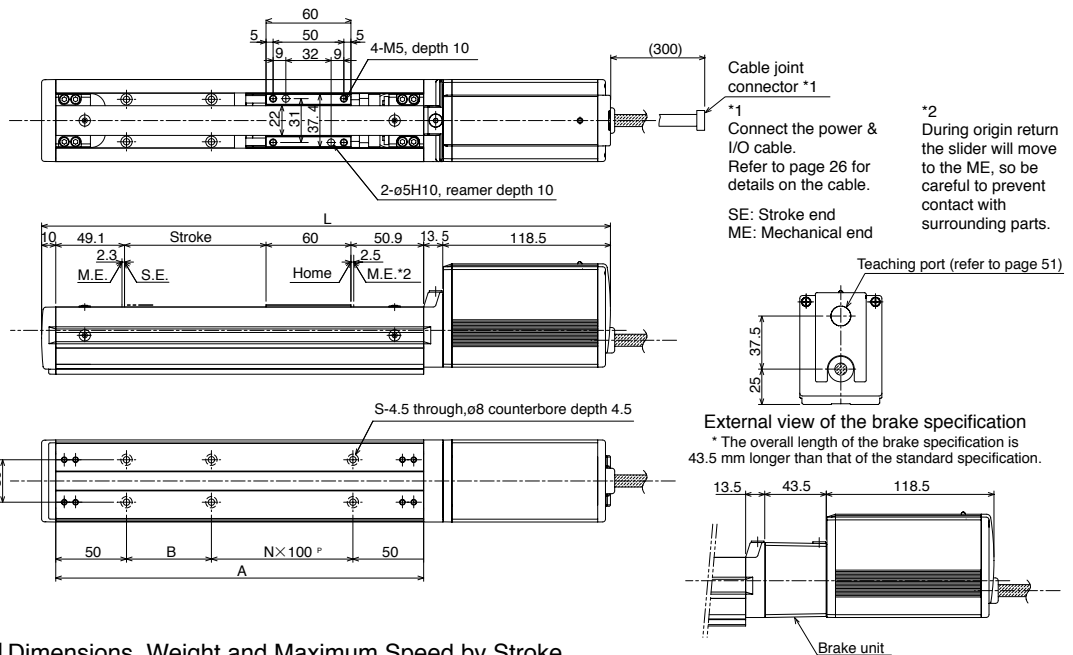
Name	Code	Page
Brake	B	→P137
Reversed-home specification	NM	→P137

Common Specifications

Drive system□	Ball screw ø10mm, rolled C10
Positioning repeatability□	±0.05mm
Backlash□	0.1mm or less
Guide□	Integrated with base
Allowable load moment	Ma : 8.9N · m Mb : 12.7N · m Mc : 18.6N · m
Overhung load length□	Ma direction: 150mm or less, Mb/Mc directions: 150mm or less
Base□	Material: Aluminum with white alumite treatment
Cable length (Note 3)□	N: No cable, P: 1m, S: 3m, M: 5m, X□□: Length specification, W□□: Connectors on both ends

Dimensions

* With the reversed-home specification, the dimension on the motor side (distance from the mechanical end to the origin) and that on the non-motor side are reversed.



Dimensions, Weight and Maximum Speed by Stroke

Stroke	50	100	150	200	250	300	350	400	450	500	550	600
L	352	402	452	502	552	602	652	702	752	802	852	902
A	210	260	310	360	410	460	510	560	610	660	710	760
B	10	60	10	60	10	60	10	60	10	60	10	60
N	1	1	2	2	3	3	4	4	5	5	6	6
S	6	6	8	8	10	10	12	12	14	14	16	16
Weight (kg)	1.9	2.0	2.1	2.3	2.4	2.6	2.7	2.8	3.0	3.1	3.3	3.4
Maximum Speed (mm/s)	Lead 12	600										
	Lead 6	300										
	Lead 3	150										

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) 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 2) 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).
 (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.