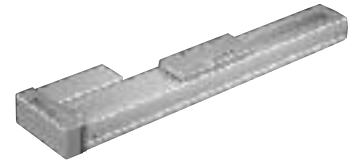


RCS-SMR-150

ROBO Cylinder Slider Type: Unit Width 80mm, 150W, Motor-Reversed Shape



Type Slider (80mm wide) Motor reversed Stroke 100~1000mm Load capacity 60kg (horizontal)/12kg (vertical)

Model specification items Series Type Encoder type Motor Speed type Stroke Cable length Options
 (Example) RCS - SMR- A - 150 - H - 1000 - S - B

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

Model/Specifications

Model	Encoder type	Motor (W)	Lead (mm)	Stroke 100mm increments(mm)	Speed (mm/s) (Note 1)	Load capacity (Note 2)		Rated thrust (N)
						Horizontal (kg)	Vertical (kg)	
RCS-SMR-O-150-H-***-△-□	Absolute Incremental	150	20	100~1000	1~1000	30	6	128
RCS-SMR-O-150-M-***-△-□			10		1~500	60	12	256

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

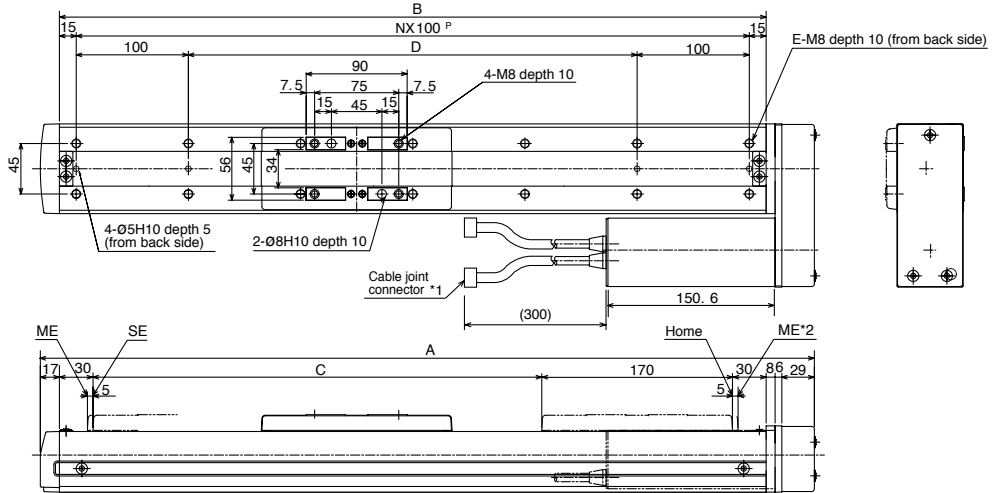
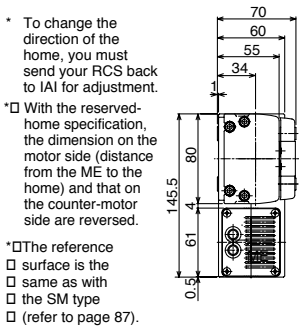
Options

Name	Model	Page
Brake	B	→P137
Reversed-home specification	NM	→P137
Inverse motor-reversing direction	R	→P137

Common Specifications

Drive system	Ball screw Ø16mm, rolled C10 (The ball screw is driven by a timing belt. No reduction gear is provided.)
Positioning repeatability	±0.02mm
Backlash	0.05mm or less
Guide	Integrated with base
Allowable load moment	Ma: 36.3N · m Mb: 36.3N · m Mc: 77.4N · m
Overhung load length	Ma direction: 450mm or less, Mb/Mc directions: 450mm or less
Base	Material: Special alloy steel
Cable length (Note 3)	P: 1m, S: 3m, M: 5m, X□□: Length specification, R□□: Robot cable

Dimensions



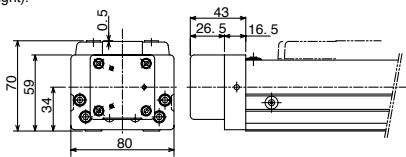
*1 Connect the motor/encoder cables. Refer to page 171 for details on the cables.

*2 During home return the slider will move to the ME, so be careful to prevent contact with surrounding parts.

SE: Stroke end
 ME: Mechanical end

Brake Dimensions

□ The overall length (L) of the brake type is 26 mm longer than that of the standard type (refer to the table shown to the right).



Dimensions, Weight and Maximum Speed by Stroke

Stroke	100	200	300	400	500	600	700	800	900	1000
A	390	490	590	690	790	890	990	1090	1190	1290
B	330	430	530	630	730	830	930	1030	1130	1230
C	100	200	300	400	500	600	700	800	900	1000
D	100	200	300	400	500	600	700	800	900	1000
E	8	10	12	14	16	18	20	22	24	26
N	3	4	5	6	7	8	9	10	11	12
Weight (kg)	7.4	8.4	9.4	10.4	11.4	12.4	13.4	14.4	15.4	16.4
Maximum speed (mm/s)	H type						960	765	625	515
	M type						500	480	380	310

Applicable Controller Specifications

Applicable Controller	Maximum number of controlled axes	Compatible encoder type	Program operation	Positioner operation	Pulse-train control	Power supply voltage	Page
RCS-C	1 axis	Absolute/Incremental	X	O	X	AC100/200V	→P163
E-Con	1 axis		X	O	X	AC100/200V	Refer to the separate catalog.
P-Driver	1 axis	Incremental	X	X	O	AC100/200V	
X-SEL	4 axes	Absolute/Incremental	O	△	X	AC100/200V	

Caution

(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.
 (Note 3) The maximum cable length is 15 m. Specify the desired length in meters (e.g., X08 = 8 m).

* Refer to page 23 for other points to note.