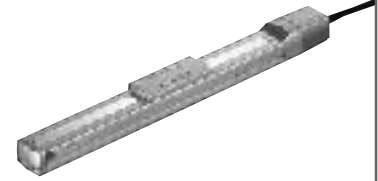


RCS-SS

ROBO Cylinder Slider Type: Unit Width 60mm, 60W, Straight Shape



Type Slider (60mm wide) Stroke 100~600mm Load capacity 30kg (horizontal)/8kg (vertical)

Model specification items Series Type Encoder type Motor Speed type Stroke Cable length Options
 (Example) RCS - SS - A - 60 - H - 600 - 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-SS-O-60-H-***-△-□	Absolute Incremental	60	12	100~600	1~600	15	4	85
RCS-SS-O-60-H-***-△-□			6		1~300	30	8	170

* 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

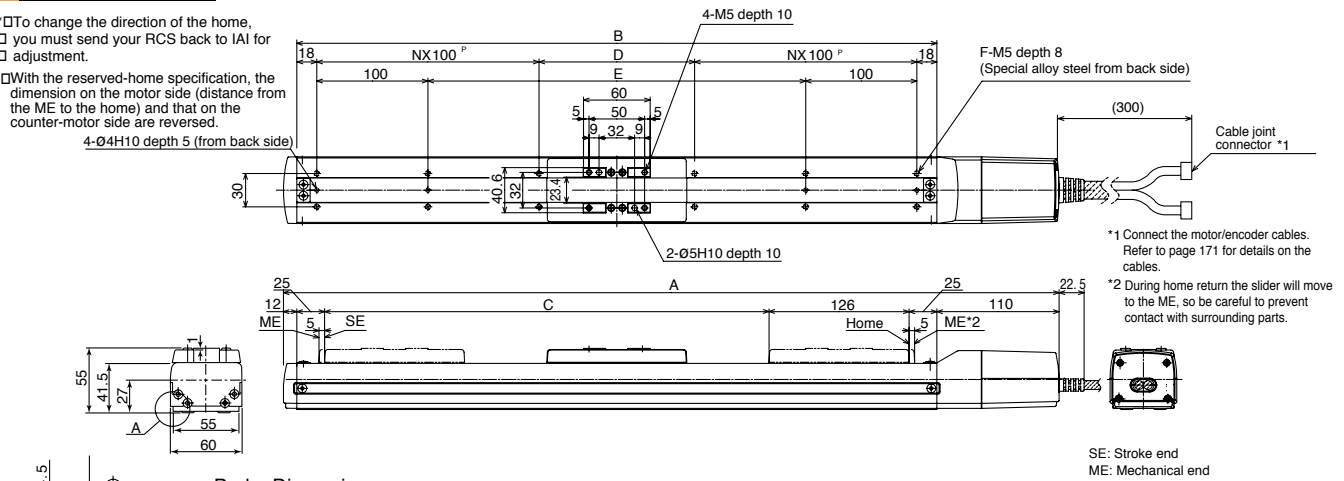
Common Specifications

Drive system	Ball screw ϕ 10mm, rolled C10
Positioning repeatability	\pm 0.02mm
Backlash	0.05mm or less
Guide	Integrated with base
Allowable load moment	Ma: 14.7N · m Mb: 14.7N · m Mc: 33.3N · m
Overhung load length	Ma direction: 300mm or less, Mb/Mc directions: 300mm or less
Base	Material: Special alloy steel
Cable length (Note 3)	P: 1m, S: 3m, M: 5m, X□□: Length specification, R□□: Robot cable

Dimensions

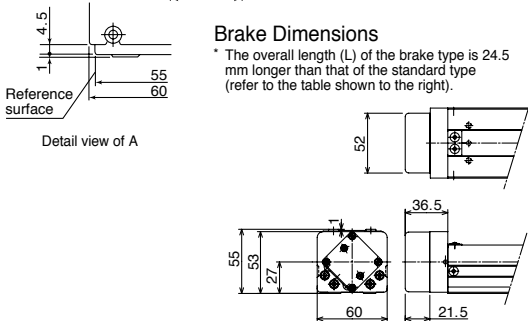
□ To change the direction of the home, you must send your RCS back to IAI for adjustment.

□ With the reserved-home specification, the dimension on the motor side (distance from the ME to the home) and that on the counter-motor side are reversed.



Brake Dimensions

* The overall length (L) of the brake type is 24.5 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
A	398	498	598	698	798	898
B	276	376	476	576	676	776
C	100	200	300	400	500	600
D	40	140	40	140	40	140
E	40	140	240	340	440	540
F	8	8	12	12	16	16
N	1	1	2	2	3	3
Weight (kg)	3.2	3.8	4.5	5.1	5.8	6.4
Maximum speed (mm/s)	H type		600		470	
	M type		300		230	

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.