



Actuator Specifications										
Lead and Payload Stroke and Maximum Speed										
Model number		Lead (mm)	Maximur Horizontal (kg)		Rated thrust (N)	Stroke (mm)	Stroke Lead	50~600 (Every 50mm)	~700 (mm)	~800 (mm)
RCS2-SA7R- ① -60-16- ② - ③ - ④ - ⑤		16	12	3	63.8		16	800	640	480
RCS2-SA7R-①-60-8-②-③-④-⑤	60	8	25	6	127.5	50~800 (Every 50mm)	8	400	320	240
RCS2-SA7R-①-60-4-②-③-④-⑤		4	40	12	255.0		4	200	160	120
Legand: D Encoder type D Stroke D Applicable controller @ Cable length D Options (Unit: mt										

Legend: ① Encoder type ② Stroke ③ Applicable controller ④ Cable length ⑤ Options

①Encoder Type / ② Stroke							
Stroke (mm)	Standard price						
	Encoder type						
Stroke (mm)	Battery-less absolute						
	WA						
50/100	-						
150/200	-						
250/300	-						
350/400	-						
450/500	-						
550/600	-						
650/700	-						
750/800	-						

④ Cable Length						
Туре	Cable code	Standard pric				
	P (1m)	-				
Standard type	S (3m)	-				
	M (5m)	-				
Special length	X06 (6m) ~X10 (10m)	-				
	X11 (11m) ~X15 (15m)	-				
	X16 (16m) ~X20 (20m)	-				
	R01 (1m) ~ R03 (3m)	-				
	R04 (4m) ~ R05 (5m)	-				
Robot cable	R06 (6m) ~R10 (10m)	Standard priv				
	R11 (11m) ~R15 (15m)	-				
	R16 (16m) ~R20 (20m)	-				

*Please refer to P. 84 for maintenance cables.

		IS		
e	Reference page	Standard price	Item	Description
		-	Drive system	Ball screw Ø12mm, rolled C10
	Please refer to our	-	Positioning repeatability	±0.02mm
	website for the	-	Lost motion	0.1mm or less
	details of the	-	Base	Material: Aluminum with white alumite treatmen
	options.	-	Static allowable moment	Ma: 50.4N•m, Mb: 71.9N•m, Mc: 138.0N•m
		-	Dynamic allowable moment (*)	Ma: 20.7N•m, Mb: 29.6N•m, Mc: 56.7N•m
· · · · ·			Ambient operating temperature, humidity	0 to 40°C, 85% RH or less (Non-condensing)

•Reference for overhang load length/Ma: 230mm or less, Mb, Mc: 230mm or less (*) Assumes a standard rated life of 5,000km. The operational life will vary depending on operation

and installation conditions. Please refer to our website for more information regarding the service life of the products, directions of the allowable moment, and overhang load length

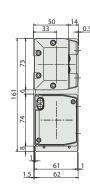
⑤ Options			
Name	Option code	Reference page	Standard price
Brake	В		-
CE marking	CE	Please refer to our	-
Non-motor end specification	NM	website for the	-
Motor side-mounted to the left (Standard)	ML	details of the	-
Motor side-mounted to the right	MR	options.	-
Slider roller specification	SR		-

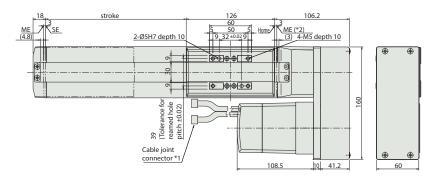
Dimensions

CAD drawings can be downloaded from our website. www.intelligentactuator.com



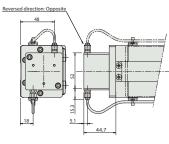
*The referece surface is the same as that for SA7C type. (Please refer to P. 24) *The reference offset position for allowable moment calculation is the same as that for SA7C type. (Please refer to P. 24)





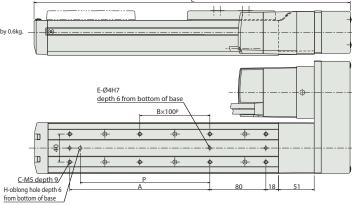
Dimensions for the brake part

*The total length for brake-equipped type is 43mm, and the weight increases by 0.6kg.



*The brake cable exit direction is the same as the side-mounted motor direction.





*1 Connects the motor-encoder cable. Please refer to P. 84 for the details of the cables.

P. 84 for the details of the cables.
*2 When the slider is returning to its home position, please be careful of interference from surrounding

objects, as it will travel until it reaches the ME. ME: Mechanical end SE: Stroke end

Dimensions and Mass by Stroke

Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
L	300.2	350.2	400.2	450.2	500.2	550.2	600.2	650.2	700.2	750.2	800.2	850.2	900.2	950.2	1,000.2	1,050.2
А	0	100	100	200	200	300	300	400	400	500	500	600	600	700	700	800
В	0	0	0	1	1	2	2	3	3	4	4	5	5	6	6	7
C	4	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20
D	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
н	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Р	0	85	85	185	185	285	285	385	385	485	485	585	585	685	685	785
Mass (kg)	4.0	4.2	4.4	4.6	4.9	5.1	5.3	5.5	5.8	6.0	6.2	6.4	6.7	6.9	7.1	7.3