*Controller is not included.

RCS2-SA6C ROBO Cylinder, Slider Type, Actuator Width 58mm, 200V Servo Motor, Coupled Motor Specification **SA6C** 30 **Specification** Encoder Applicable controller Cable Type Motor type Stroke Options Lead Items type length 20:20mm 12:12mm 6:6mm 3:3mm 50 · 50mm T2 · SCON-CB Please refer to the options table below. WA: Battery-less absolute 30 : Servo motor 30W N: No cable P: 1m N: No cable P:1m S:3m M:5m X:Specified length R:: Robot cable 600:600mm (Can be set in



Actuator Specifications

■Lead and Payload

Model number	Motor (W)	Lead (mm)	Maximum payload Horizontal (kg) Vertical (kg)		Rated thrust (N)	Stroke (mm)			
RCS2-SA6C- ① -30-20- ② - ③ - ④ - ⑤	. ,	20	3	0.5	15.8				
RCS2-SA6C- ① -30-12- ② - ③ - ④ - ⑤	30	12	6	1.5	24.2	50~600			
RCS2-SA6C- ① -30-6- ② - ③ - ④ - ⑤	30	6	12	3	48.4	(Every 50mm)			
RCS2-SA6C- ① -30-3- ② - ③ - ④ - ⑤		3	18	6	96.8				
Legend: DEncoder type Stroke Applicable controller Cable length Options									

■Stroke and Maximum Speed

•									
Stroke Lead	50~450 (Every 50mm)	500 (mm)	550 (mm)	600 (mm)					
20			1,160 <800>	990 <800>					
12	800	760	640	540					
6	400	380	320	270					
3	200	190	160	135					
	20 12 6	20 1.3 < 80 < 400 < 3	20 1,300 (6very 50mm) (700) (7	Lead Every \$1mm mm mm mm mm mm mm mm					

*Values in brackets < > are for vertical use. (Unit: mm/s)

①Encoder Type / ② Stroke

Stroke (mm)	Standard price						
	Encoder type						
Stroke (IIIII)	Battery-less absolute						
	WA						
50	-						
100	-						
150	-						
200	-						
250	-						
300	-						
350	-						
400	-						
450	-						
500	-						
550	-						
600	-						

⑤ Options

Name	Option code	Reference page	Standard price	
Brake	В		-	
CE marking	CE	Please refer to our	-	
Foot bracket	FT	website for the	-	
High acceleration/deceleration	HA	details of the	-	
Home check sensor	HS		-	
Non-motor end specification	NM	options.	-	
Slider roller specification	SR		-	

High acceleration/deceleration option and slider roller option cannot be combined together.

* High acceleration/deceleration option cannot be chosen for lead 3. RCS2-SA6C

(4) Cable Length

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

^{*}Please refer to P. 84 for maintenance cables.

Actuator Specifications

Actuator Specifications								
Item	Description							
Drive system	Ball screw Ø10mm, rolled C10							
Positioning repeatability	±0.02mm							
Lost motion	0.1mm or less							
Base	Material: Aluminum with white alumite treatment							
Static allowable moment	Ma: 38.3N•m, Mb: 54.7N•m, Mc: 81.0N•m							
Dynamic allowable moment (*)	Ma: 11.6N•m, Mb: 16.6N•m, Mc: 24.6N•m							
Ambient operating temperature humidity	0 to 40°C 85% RH or less (Non-condensing)							

•Reference for overhang load length/Ma: 220mm or less, Mb, Mc: 220mm 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.

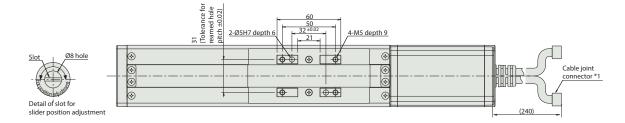
Dimensions

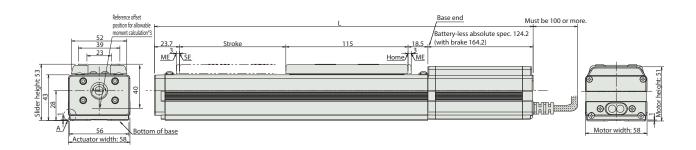
CAD drawings can be downloaded from our website. www.intelligentactuator.com

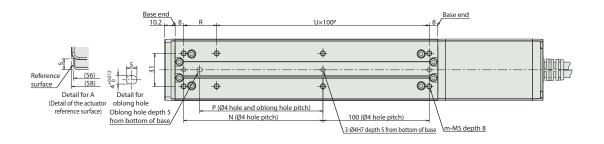




- *1 Connects the motor-encoder cable. Please refer to P. 84 for the details of the cables.
- 2 When the slider is returning to its home position, please be careful of interference from surrounding objects, as it will travel until it reaches the ME.
- ME: Mechanical end SE: Stroke end
 *3 Reference position used when calculating the Ma moment.







■Dimensions and Mass by Stroke *Brake equipped types are 0.3kg heavier.

	Stro	ke	50	100	150	200	250	300	350	400	450	500	550	600
	Battery-less	Without brake	331.4	381.4	431.4	481.4	531.4	581.4	631.4	681.4	731.4	781.4	831.4	881.4
L	absolute	With brake	371.4	421.4	471.4	521.4	571.4	621.4	671.4	721.4	771.4	821.4	871.4	921.4
	N		81	131	181	231	281	331	381	431	481	531	581	631
	Р		66	116	166	216	266	316	366	416	466	516	566	616
	R		81	31	81	31	81	31	81	31	81	31	81	31
	U		1	2	2	3	3	4	4	5	5	6	6	7
	m	1	6	8	8	10	10	12	12	14	14	16	16	18
	Mass	(kg)	1.4	1.6	1.8	2	2.2	2.4	2.6	2.8	3	3.2	3.4	3.6