Rod Type
Mini
Standard
Controllers
Integrated

Mini
Standard
Controllers
Integrated

Table/Arr
//Flat Typ

Mini
Standard

## Cleanroom ROBO Cylinder Slider Coupling Type 40mm Width 200V Servo Motor Aluminum Base RCS2CR-SA4C-20 Motor Encoder Compatible Control Cable Length Series — Type Stroke Option N: None P:1m S:3m M:5m X : ( See Options below I :Incremental 20 : 20W servo 10:10mm 50: 50mm T1:XSEL-J/K T2:SCON A:Absolute motor 5: 5mm 2.5:2.5mm 400: 400mm SSEL XSEL-P/Q (50mm pitch \* See page Pre-35 for an explanation of the naming convention.



## Actuator Specifications ■ Lead and Load Capacity ■ Stroke, Max. Speed/Suction Volume Max. Load Capacity 50 ~ 400 Suction Volume Lead (mm) Stroke (mm) Output (W Thrust (N RCS2CR-SA4C-1-20-10-2-3-4-5 10 10 665 50 50~400 RCS2CR-SA4C- 1 -20-5- 2 - 3 - 4 - 5 20 5 2.5 5 330 6 39.2 30 (50mm RCS2CR-SA4C-1 -20-2.5-2 -3 -4 -5 4.5 78.4 2.5 165 (Unit: mm/s) Legend: ① Encoder ② Stroke ③ Compatible controller ④ Cable length ⑤ Options

## ① Encoder & Stroke List

Stroke (mm)	Standard Price Encoder Type			
, ,	Incremental	Absolute		
	I	Α		
50	-	-		
100	-	-		
150	-	-		
200	-	-		
250	-	-		
300	-	-		
350	-	-		
400	-	-		

	Standard Price				
Stroke (mm)	Encoder Type				
	Incremental Absolute				
	I	Α			
50	-	-			
100	-	-			
150	-	-			
200	-	-			
250	-	-			
300	-	-			
350	-	-			
400	-	-			

Acti	lator	Speci	ificat	ione

⑤ Option List			
Name	Option Code	See Page	Standard Price
Brake	В	→ A-25	-
Foot bracket	FT	→ A-29	-
Home sensor	HS	→ A-32	-
Reversed-home	NM	→ A-33	-
Slider spacer	SS	→ A-36	_
Intake port mounted on opposite side	VR	→ A-38	_

* See page A-39 f	or cables fo	r maintenance.

4 Cable List

Type

Standard Type

Special Lengths

Robot Cable

Item	Description			
Drive System	Ball screw ø8mm C10 grade			
Positioning Repeatability	±0.02mm			
Lost Motion	0.1mm or less			
Base	Material: Aluminum (white alumite treated)			
Allowable Static Moment	Ma: 6.9N·m Mb: 9.9N·m Mc: 17.0N·m			
Allowable Dynamic Moment (*)	Ma: 2.7N·m Mb: 3.9N·m Mc: 6.8N·m			
Overhang Length	Ma direction: 120mm or less; Mb-Mc direction: 120mm or less			
Grease Type	Low dust generation grease (both ball screw and guide)			
Cleanliness	Class 10 (0.1µm)			
Ambient Operating Temp./Humidity	0~40°C, 85% RH or less (non-condensing)			

P (1m)

**S** (3m) X06 (6m)

R01 (1m)

R04 (4m)

R06 (6m)

Cable Symbol

X11 (11m)  $\sim$  X15 (15m) X16 (16m)

X20 (20m)

R03 (3m)

R05 (5m)

~ R10 (10m) R11 (11m)  $\sim$  R15 (15m) R16 (16m) ~ R20 (20m)







Standard Price



For Special Orders



- The motor-encoder cable is connected here. See page A-39 for details on cables.

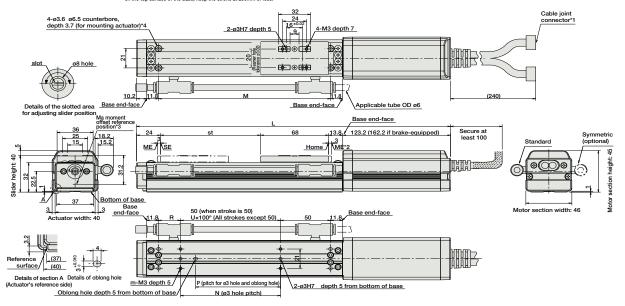
  When homing, the slider moves to the ME; therefore, please watch for any interference with the surrounding objects.

  ME: Mechanical end

  SE: Stroke end
- Reference position for calculating the moment Ma.

  Reference position for calculating the moment Ma.

  If the actuator is secured using only the mounting holes provided on the top surface of the base, the base may twist to cause abnormal sliding of the slider, or may produce abnormal noise. Therefore, when using the mounting holes on the top surface of the base, keep the stroke at 200mm or less.



## ■ Dimensions and Weight by Stroke \*Adding a brake will increase the actuator's weight by 0.3kg

_									
	Stroke	50	100	150	200	250	300	350	400
	No Brake	279	329	379	429	479	529	579	629
-	With Brake	318	368	418	468	518	568	618	668
	М	122	172	222	272	322	372	422	472
	N	50	100	100	200	200	300	300	400
	Р	35	85	85	185	185	285	285	385
	R	22	22	72	22	72	22	72	22
	C	-	1	1	2	2	3	3	4
	m	4	4	4	6	6	8	8	10
W	/eight (kg)	0.7	0.8	0.9	1	1.1	1.2	1.3	1.4

Name	External View	Model	Description	Max. Positioning Points	Input Voltage	Power Supply Capacity	Standard Price	See Page
Positioner Mode			Positioning is possible for up to 512 points	512 points				
Solenoid Valve Mode		SCON-C-20①-NP-2-②	Operable with the same controls as the solenoid valve	7 points				→ P547
Serial Communication Type		SCON-C-20()-NP-2-2	Dedicated to serial communication	64 points	Single-phase AC100V Single-phase AC200V	360VA max.	-	→ P04/
Pulse Train Input Control Type			Dedicated to pulse train input	(-)	Three-phase AC200V (XSEL-P/Q only)	* When operating a 150W single-axis model		
Program Control 1-2 Axes Type		SSEL-C-1-20①-NP-2-②	Programmed operation is possible Operation is possible on up to 2 axes	20000 points			-	→ P577
Program Control 1-6 Axes Type	17777	XSEL-3-1-202-N1-EEE-2-4	Programmed operation is possible Operation is possible on up to	20000 points			-	→ P587

- \* For SSEL and XSEL, only applicable to the single-axis model.

  \* ① is a placeholder for the encoder type (I: incremental / A: absolute).

  \* ② is a placeholder for the power supply voltage (I: 100V, or 2: single-phase 200V).

  \* ③ is a placeholder for the XSEL type name ("\", "k", "\p", or "\Q").

  \* ④ is a placeholder for the power supply voltage (I: 100V, 2: single-phase 200V, 3: 3-phase 200V).

IAI



Controllers

PMEC
(AMEC)

PSEP
(ASEP)

ROBO
NET

ERC2

PCON

ACON

SCON

PSEL