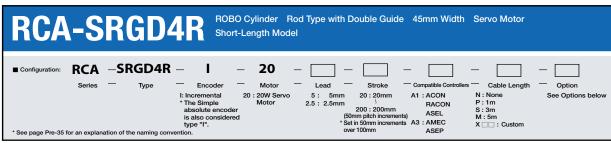
Rod Type
Mini
Standard
Controllers





Power-saving

Technical References

P. A-5

Notes on Selection

- (1) The load capacity is based on operation at an acceleration of 0.3G (0.2G for the 2.5mm-lead model, or when used vertically). This is the upper limit of the acceleration.
- (2) The values for the horizontal load capacity reflect the use of an external guide. See the technical resources (page A-83) for the allowable weight using the supplied guide alone.

Actuator Specifications

■ Lead and Load Capacity						
Model		Lead	Max. Load	Capacity	Rated	Stroke (mm)
Model		(mm)	Horizontal (kg)	Vertical (kg)	Thrust (N)	Stroke (mm)
RCA-SRGD4R-I-20-5-①-②-③-④		5	9	2	41	20~200 (10mm
RCA-SRGD4R-I-20-2.5- ① - ② - ③ - ④	1	2.5	18	5.5	81	(Note 1)
Legend ① Stroke ② Compatible controllers ③ Compatible controllers	able length	4 Optio	ns	(Note 1) 50r	nm increment	s over 100mm.

	■ Stroke an	d Maximum Speed
)	Stroke Lead	$20\sim200$ (10mm increments)
	5	250
	2.5	125
-		(Unit: mm/s)

① Stroke Lis	st
Stroke (mm)	Standard Price
20~50	-
60∼100	-
150	
200	-

3 Cable Lis	t .	
Туре	Cable Symbol	Standard Price
Standard (Robot Cables)	P (1m)	-
	S (3m)	-
	M (5m)	-
	X06 (6m) ~ X10 (10m)	-
Special Lengths	X11 (11m) ~ X15 (15m)	-
	X16 (16m) ~ X20 (20m)	-

- *The cable is a motor-encoder integrated cable, and is provided as a robot cable.
- * See page A-39 for cables for maintenance.

@ O-bl- 1:-+

Actuator Specifications

4 Option List

Name	Option Code	See Page	Standard Price
Brake	В	→ A-25	-
Foot bracket 1 (base mounting)	FT	→ A-29	-
Reversed-home	NM	→ A-33	-

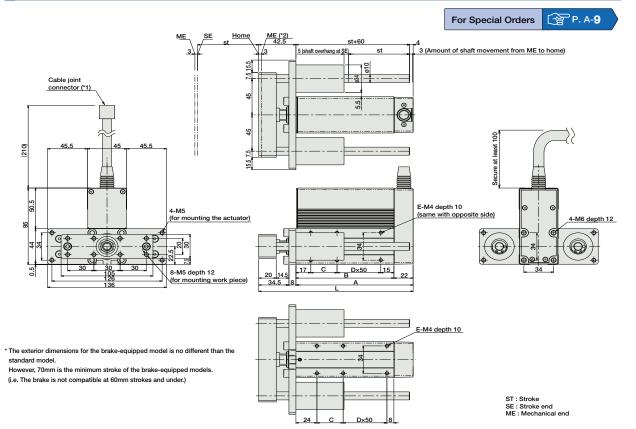
- * The brake is available for strokes of 70mm or more.
- * The foot bracket cannot be mounted on the side.

Item	Description
Drive System	Ball screw ø8mm C10 grade
Positioning Repeatability	±0.02mm
Lost Motion	0.1mm or less
Rod Diameter	ø22 mm
Non-rotating accuracy of rod	±0.05 deg
Ambient Operating Temp /Humidity	0 ~ 40°C 85% RH or less (non-condensing)

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Dimensions



The motor-encoder cable is connected here. See page A-39 for details on cables. When homing, the rod moves to the mechanical end position; therefore, please watch for any interference with the surrounding objects.

■ Dimensions/	Weigl	ht by	Strok	e (A	dd 0.2kg	for brai	ke equip	ped)			
Stroke	20	30	40	50	60	70	80	90	100	150	200
L	126.5	136.5	146.5	156.5	166.5	176.5	186.5	196.5	206.5	256.5	306.5
Α	84	94	104	114	124	134	144	154	164	214	264
В	62	72	82	92	102	112	122	132	142	192	242
С	30	40	50	60	70	30	40	50	60	60	60
D	0	0	0	0	0	1	1	1	1	2	3
E	4	4	4	4	4	6	6	6	6	8	10
Weight (kg)	1.42	1.49	1.56	1.64	1.71	1.79	1.86	1.94	2.01	2.38	2.75

The RCA series act	uators can op	erate with the controller	s below. Select the controller according to	your usage.				
Name	External View	Model	Description	Max. Positioning Points	Input Voltage	Power Supply Capacity	Standard Price	See Page
Solenoid Valve Type	(A)	AMEC-C-20SI①-NP-2-1	Easy-to-use controller, even for beginners		AC100V	2.4A rated	-	→ P477
Solenoid valve Type	1	ASEP-C-20SI①-NP-2-0	Operable with same signal as solenoid valve. Supports both single and double solenoid types.	3 points	DC24V	1.7A rated 5.1A peak	-	→ P487
Splash-Proof Solenoid Valve Type		ASEP-CW-20SI①-NP-2-0	No homing necessary with simple absolute type.				-	
Positioner Type		ACON-C-20SI①-NP-2-0	Positioning is possible for up to 512 points	512 points			-	
Safety-Compliant Positioner Type		ACON-CG-20SI①-NP-2-0	Positioning is possible for up to 312 points				-	
Pulse Train Input Type (Differential Line Driver)	Ó	ACON-PL-20SI①-NP-2-0	Pulse train input type with differential line driver support				-	
Pulse Train Input Type (Open Collector)		ACON-PO-20SI①-NP-2-0	Pulse train input type with open collector support	(-)			-	
Serial Communication Type	1	ACON-SE-20SI①-N-0-0	Dedicated to serial communication	64 points			-	
Field Network Type		RACON-20S①	Dedicated to field network	768 points			-	→ P503
Program Control Type	0	ASEL-C-1-20SI①-NP-2-0	Programmed operation is possible Operation is possible on up to 2 axes	1500 points			-	→ P567

IAI

RCA-SRGD4R **234**



Controllers

PMEC
(AMEC)
PSEP
(ASEP
ROBO
NET
ERC2
PCON
ACON
SCON
PSEL
ASEL
SSEL