

■ Load Capacity (Horizontal) vs. Acceleration					
Max.	Load Capacity (kg)				
Acceleration (G)	Continuous Operation (100% duty)	(70% or less duty)			
0.1	0.5				
0.3	0.5	0.5			
0.5	0.42				
1	0.25	0.32			
1.5	0.18	0.24			
2	0.15	0.2			

Mini
Standard
Controllers
Integrated

Rod
Type
Mini
Standard
Controllers
Integrated

Table/Arm
//Flat Type
Mini
Standard

(1) The load capacity is determined by the acceleration and the duty. Check the load capacity on the Load Capacity (Horizontal) vs. Acceleration graph on the right.

The duty is  $\frac{\text{Operating time}}{\text{Operating time + stationary time}} \times 100$  per cycle.

The mounting orientation is horizontal only. When operated vertically, please use caution, as the slider will fall when the power is turned OFF.

(3) Please note that an absolute unit cannot be used.

Actuator Specifications  Lead and Load Capacity									■ Stroke and	d Maximum Speed
Model	Motor Output (W)	Max. Load Horizontal (kg)		Rated Thrust (N)	Max. Momentary Thrust (N)	Max. Acceleration (G)	Positioning Repeatability (mm)	Stroke (mm)	Stroke	40 (mm)
RCL-SA1L-I-2-N-40-①-②	2	See table above	-	2	10	2	±0.1	40 (Fixed)	(No lead screw)	420
Legend: ① Compatible controller ② Cab	ole length									(Unit: mm/s)

Stroke List	
Stroke (mm)	Standard Price
40	ı

② Cable Lis	t		
Туре	Cable Symbol	Standard Price	
Standard Type (Robot Cables)	P (1m)	-	
	S (3m)	-	
	M (5m)	-	
Special Lengths	X06 (6m) ~ X10 (10m)	-	
	X11 (11m) ~ X15 (15m)	-	
	X16 (16m) ~ X20 (20m)	-	

\* The RCL comes standard with a robot cable.

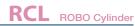
See	page A-3	9 for cables	s for maint	enance.

Actuator Specification	ons			
Item Description				
Drive System	Linear servo motor			
Encoder Resolution	0.042mm			
Base	Material: Aluminum (white alumite treated)			
Allowable Dynamic Moment (Note)	Ma: 0.13N·m Mb: 0.12N·m Mc: 0.21N·m			
Overhang Load Length	50mm or less			
Ambient Operating Temp./Humidity	0~40°C, 85% RH or less (non-condensing)			

(Note) Based on a 5,000km service life.

373 RCL-SA1L





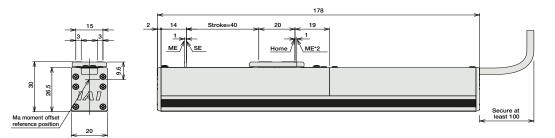
For Special Orders



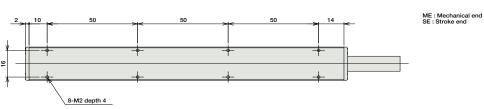
\*1 The motor-encoder cable is connected here. See page A-39 for details on cables.

\*2 When homing, the slider moves to the mechanical end; therefore, please watch for any interference with the surrounding objects.









## ■ Dimensions and Weight by Stroke

Stroke	40
Weight (kg)	0.28

The RCL series	External View	Model	Description	Max. Positioning Points	Input Voltage	Power Supply Capacity	Standard Price	See Page
Name	External view	Model	Description	wax. Positioning Points	input voitage	Fower Supply Gapacity	Standard Frice	See Fage
Solenoid Valve Type		AMEC-C-2I-NP-2-1	Easy-to-use controller, even for beginners		AC100V	2.4A rated	-	→ P477
Solenoid valve lype	1	ASEP-C-2I-NP-2-0	Operable with same signal as solenoid valve. Supports both single and double solenoid types.	3 points			-	→ P487
Splash-Proof Solenoid Valve Type	1	ASEP-CW-2I-NP-2-0	No homing necessary with simple absolute type.				-	11407
Positioner Type		ACON-C-2I-NP-2-0	Positioning is possible for up to 512 points	512 points			-	
Safety-Compliant Positioner Type		ACON-CG-2I-NP-2-0					-	
Pulse Train Input Type Differential Line Driver)		ACON-PL-2I-NP-2-0	Pulse train input type with differential line driver support	(-)	DC24V	4.6A max.	ı	→ P535
Pulse Train Input Type (Open Collector)		ACON-PO-2I-NP-2-0	Pulse train input type with open collector support	(-)			-	
Serial Communication Type		ACON-SE-2I-N-0-0	Dedicated to serial communication	64 points			-	
Field Network Type		RACON-2	Dedicated to field network	768 points			-	→ P503
Program Control Type	1	ASEL-C-1-2I-NP-2-0	Programmed operation is possible Operation is possible on up to 2 axes	1500 points			-	→ P567

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RCL-SA1L **374** 



Dimensions