

■ Load Cap	■ Load Capacity (Horizontal) vs. Acceleration					
Max. Acceleration (G)	Load Capacity (kg)					
	Continuous Operation (100% duty)					
0.1	1.6					
	1.0					
0.5	1.0					
1	0.5					
1.5	0.35					
2	0.25					

Mini
Standard
Controllers
Integrated

Rod
Type
Mini
Standard
Controllers
Integrated

Table/Arm
//Flat Type
Mini
Standard

(If magnetism is a problem, please use SA1L, SA2L, or SA3L)

(2) 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.

Operating time The duty is Operating time + stationary time ×100 per cycle.

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

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

	Actuator Specifications										
	Lead and Load Capacity									■ Stroke and	d Maximum Speed
	Model	Motor Output	Max. Load	Capacity	Rated Thrust	Max. Momentary	Max.	Positioning Repeatability	Stroke	Stroke	36 ∼ 144
	Model	(W)	Horizontal (kg)	Vertical (kg)	(N)	Thrust (N)	(G)	(mm)	(mm)	Lead	(36mm increments)
	RCL-SM5L-I-5-N-①-②-③	5	See table above	-	5	18	2	±0.1	36~144 (36mm increments)	(No lead screw)	1400
Le	egend: Stroke Compatible control	ller ③ C	able length								(Unit: mm/s)

① Stroke List

Stroke (mm)	Standard Price
36	-
72	-
108	-
144	-

3	Cable	List	
			_

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

^{*} The RCL comes standard with a robot cable.

Splash Proof

Controllers

PMEC
/AMEC
/AMEC
PSEP
/ASEP

ROBO
NET

ERG2

PCON

ACON

SCON

PSEL

ASEL

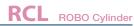
XSEL

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: 0.49N·m Mb: 0.41N·m Mc: 0.72N·m
Overhang Load Length	Ma direction: 80mm or less Mb, Mc direction: 100mm or less
Ambient Operating Temp./Humidity	0~40°C, 85% RH or less (non-condensing)

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

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^{*} See page A-39 for cables for maintenance.



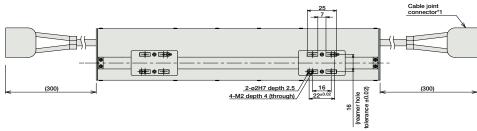
For Special Orders

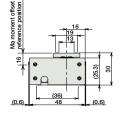
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Controllers

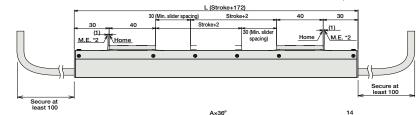
PMEC AMEC
PSEP
AASEP
AOSE
ROBO
NET
ERC2
PCON
ACON
SCON
PSEL
ASEL



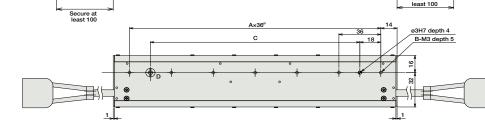




Dimensions







ME : Mechanical end SE : Stroke end

- *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.

Note: A controller is required for each slider. (or, one unit of 2-axis controller is required.)

■ Dimension	ns and	Weight	by Str	oke
Stroke	36	72	108	144
L	208	244	280	316
Α	5	6	7	8
В	6	7	8	9
С	144	180	216	252
Weight (kg)	0.62	0.69	0.75	0.82

THE NOL Series	actuators can	The RCL series actuators can operate with the controllers below. Select the controller according to your usage.								
Name	External View	Model	Description	Max. Positioning Points	Input Voltage	Power Supply Capacity	Standard Price	See Pa		
Solenoid Valve Type	(A)	AMEC-C-5I-NP-2-1	Easy-to-use controller, even for beginners		AC100V	2.4A rated	-	→ P47		
Solenoid valve type		ASEP-C-5I-NP-2-0	Operable with same signal as solenoid valve. Supports both single and double solenoid types.	3 points		6.4A max.	-	, D40		
Splash-Proof Solenoid Valve Type	1	ASEP-CW-5I-NP-2-0	No homing necessary with simple absolute type.				-	→ P487		
Positioner Type		ACON-C-5I-NP-2-0	Positioning is possible for up to 512 points	512 points	DC24V		-			
Safety-Compliant Positioner Type		ACON-CG-5I-NP-2-0	rostadring is possible for up to 312 points	512 points			-	→ P535		
Pulse Train Input Type (Differential Line Driver)		ACON-PL-5I-NP-2-0	Pulse train input type with differential line driver support	()			-			
Pulse Train Input Type (Open Collector)		ACON-PO-5I-NP-2-0	Pulse train input type with open collector support	(-)			-			
Serial Communication Type		ACON-SE-5I-N-0-0	Dedicated to serial communication	64 points			-			
Field Network Type		RACON-5	Dedicated to field network	768 points			-	→ P50		
Program Control Type		ASEL-C-1-5I-NP-2-0	Programmed operation is possible Operation is possible on up to 2 axes	1500 points	1		-	→ P56		

IAI

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