

Technical

References

P. A-**5**

(mm)

200

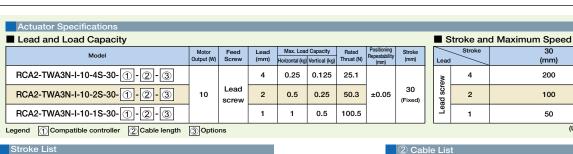
100

50

(Unit: mm/s)

Power-saving

- (1) The load capacity is based on operation at an acceleration of 0.2G. This is the upper limit of the acceleration.
- (2) This model uses a Lead screw, therefore please ensure that your usage is appropriate for its characteristics. (See page Pre-42 for more



Stroke List	
Stroke (mm)	Standard Price
30	-

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

- * The RCA2 comes standard with a robot cable.
- * See page A-39 for cables for maintenance.

Mini
Standard
Controllers
Integrated
Rod
Type
Mini
Standard
Controllers
Integrated
Table/Arm
//Flat Type
Mini
Standard
Gripper
Rotary Type

③ Option List			
Name	Option Code	See Page	Standard Price
Connector cable exit direction	K2	→ A-32	-
Power-saving	LA	→ A-32	-

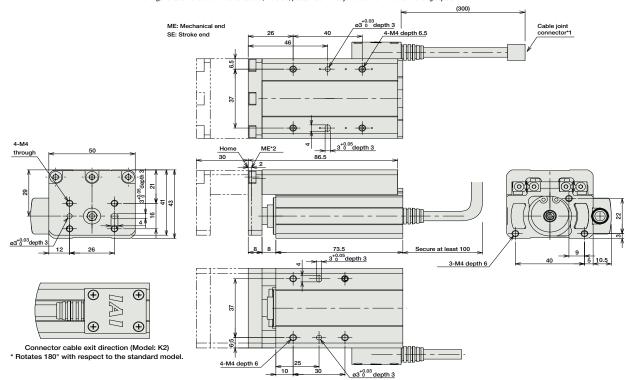
Actuator Specifications	
Item	Description
Drive System	Lead screw ø4mm C10 grade
Lost Motion	0.3mm or less (initial value)
Frame	Material: Aluminum (white alumite treated)
Allowable Dynamic Moment (Note)	Ma: 9.9 N·m Mb: 9.9 N·m Mc: 9.4 N·m
Ambient Operating Temp./Humidity	0~40°C, 85% RH or less (non-condensing)
Service Life	Horizontal: 10 million cycles Vertical: 5 million cycles

(Note) Based on a 5,000 km service life set for the guide.





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



■ Dimensions/Weight by Stroke

Stroke	30
Weight (kg)	0.52

The RCA2 serie	es actuators car	n operate with the con	trollers below. Select the controller acc	cording to your usag	е.			
Name		Model	Description		Input Voltage	Power Supply Capacity	Standard Price	See Page
Solenoid Valve Type	(A)	AMEC-C-10I①-NP-2-1	Easy-to-use controller, even for beginners		AC100V	2.4A rated	-	→ P477
Solenoid valve type	1	ASEP-C-10I①-NP-2-0	Operable with same signal as solenoid valve. Supports both single and double solenoid types. No homing necessary with simple absolute type.	3 points			-	→ P487
Splash-Proof Solenoid Valve Type	T	ASEP-CW-10I①-NP-2-0					-	
Positioner Type	E i	ACON-C-10I①-NP-2-0	Positioning is possible for up to 512 points	512 points		-		
Safety-Compliant Positioner Type		ACON-CG-10I①-NP-2-0	Positioning is possible for up to 512 points		DC24V	(Standard) 1.3A rated 4.4A max. DC24V (Power-saving) 1.3A rated 2.5A max.	-	
Pulse Train Input Type Differential Line Driver)	Û	ACON-PL-10I①-NP-2-0	Pulse train input type with differential line driver support	(-)			-	→ P535
Pulse Train Input Type (Open Collector)		ACON-PO-10I①-NP-2-0	Pulse train input type with open collector support	(-)			-	
Serial Communication Type		ACON-SE-10I①-N-0-0	Dedicated to serial communication	64 points			-	
Field Network Type		RACON-10①	Dedicated to field network	768 points			-	→ P503
Program Control Type		ASEL-C-1-10I①-NP-2-0	Programmed operation is possible Operation is possible on up to 2 axes	1500 points			-	→ P567

IAI

RCA2-TWA3N 294



Mini
Standard
Controllers
integrated
Rod
Type
Mini
Standard
Controllers
integrated
Table/Arm
//Flat Type
Mini
Standard

PMEC AMEC PSEP ASEP ROBO NET PCON SCON PSEL SSEL