## RCA2 ROBO Cylinder



Leads and Payloads Stroke and N								r				
Model number	Motor output (W)	Feed screw	Lead (mm)	Max. Load Horizontal (kg)	Vertical (kg)	Rated thrust (N)	Positioning Repeatability (mm)	Stroke (mm)	Lead	Stroke	30 (mm)	50 (mm)
RCA2-RN3NA-I-10-4-①-②-③-④		Ball screw	4	0.75	0.25	42.7	±0.02	30 50	Ball screw	4	200	
RCA2-RN3NA-I-10-2-①-②-③-④	10		2	1.5	0.5	85.5				2	100	
RCA2-RN3NA-I-10-1-①-②-③-④			1	3	1	170.9				1	50	
RCA2-RN3NA-I-10-45-10-2-3-4			4	0.25	0.125	25.1			M	4	200	)
RCA2-RN3NA-I-10-2S-①-②-③-④	10	Lead screw	2	0.5	0.25	50.3	±0.05	30 50	Lead screw	2	100	
RCA2-RN3NA-I-10-15-①-②-③-④			1	1	0.5	100.5				1	50	

Code explanation ① Stroke ② Applicable controller ③ Cable length ④ Options \*See page A-71 for details on push motion.

① Stroke	
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Stroke (mm)	Standard price					
	Feed screw					
	Ball screw	Lead screw				
30	—	—				
50	—	—				

## ③Cable Length

Туре	Cable symbol	Standard price	
Chanadand	<b>P</b> (1m)	—	
Standard (Robot Cables)	<b>S</b> (3m)	—	
(NODOL Cables)	<b>M</b> (5m)	—	
Special length	X06 (6m) ~ X10 (10m)	—	
	X11 (11m) ~ X15 (15m)	_	
-	X16 (16m) ~ X20 (20m)	—	

\* The standard cable for the RCA2 is the robot cable. \* See page A-59 for cables for maintenance.

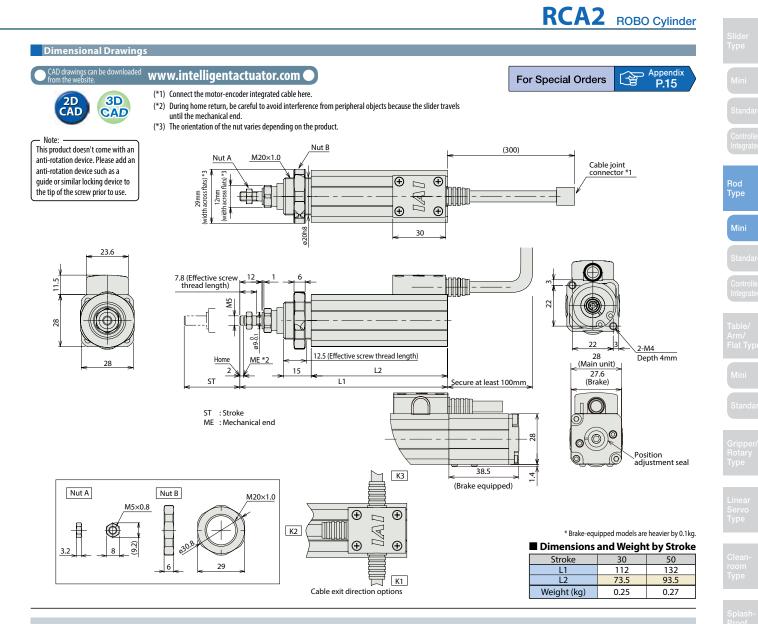
Actuator Specifications

	ltem	Description				
Drive System	1	Ball screw/Lead screw, ø4mm, rolled C10				
Lost Motion		Ball screw: 0.1mm or less Lead screw: 0.3mm or less (initial value)				
Frame		Material: Aluminum, white alumite treated				
Ambient operating temperature, humidity		0 to 40°C, 85% RH or less (Non-condensing)				
Service life	Lead screw specification	Horizontal specification: 10 million cycles, Vertical specification: 5 million cycles				
	Ball screw specification	5,000km or 50 million cycles				

<b>④ Options</b>			
Name	Option code	See page	Standard price
Brake	В	→ A-42	—
Connector cable exits from the left	K1	→ A-51	—
Connector cable exits from the front	K2	→ A-51	—
Connector cable exits from the right	K3	→ A-51	_
Power-saving specification	LA	→ A-52	_

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Rod Type



② Applicable Controllers

Name	External view	Model number	Features	Maximum number of positioning points	Input power	Power-supply capacity	Standard price	Reference page
Calan aid Makus Tuma	1 AL	AMEC-C-10I①-①-2-1	Easy-to-use controller, even for beginners		AC100V	2.4A rated	—	→ P537
Solenoid Valve Type	3	ASEP-C-10I①-①-2-0	Simple controller operable with the same signal as a solenoid valve	3 points			_	→ P547
Solenoid valve multi-axis type PIO specification	hine	MSEP-C-())-2-0	Positioner type based on PIO control, allowing up to 8 axes to be connected		DC24V	(Standard) 1.3A rated 4.4A max. (Power-saving) 1.3A rated 2.5A max.	_	→ P563
Solenoid valve multi-axis type Network specification	iiii -	MSEP-C	Field network-ready positioner type, allowing up to 8 axes to be connected	256 points				
Positioner type		ACON-C-10I①-①-2-0	Positioning is possible for up to 512	512 points			_	→ P631
Safety-Compliant Positioner Type		ACON-CG-101()-())-2-0	points				_	
Pulse Train Input Type (Differential Line Driver)		ACON-PL-101①-①-2-0	Pulse train input type with differential line driver support	- ()			_	
Pulse Train Input Type (Open Collector)	2	ACON-PO-101①-①-2-0	Pulse train input type with open collector support				—	
Serial Communication Type		ACON-SE-101①-N-0-0	Dedicated Serial Communication	64 points			—	
Program Control Type		ASEL-CS-1-101①-①-2-0	Programmed operation is possible. Can operate up to 2 axes	1,500 points			_	→ P675

Servo Motor (24V)

