RCA2 ROBO Cylinder



Model number	Motor output (W)	Feed	Lead (mm)	Max. Loac Horizontal (kg)	Capacity	Rated thrust (N)	Positioning Repeatability (mm)	Stroke (mm)	Lea	Stroke	30 (mm)	50 (mm)
RCA2-TFA3NA-I-10-4-①-②-③-④			4	0.75	0.25	42.7	(1111)	/		4	20	0
RCA2-TFA3NA-I-10-2-①-②-③-④	10	Ball screw	2	1.5	0.5	85.5	±0.02	30 50	Ball screw	2	10	0
RCA2-TFA3NA-I-10-1-①-②-③-④			1	3	1	170.9				1	5(0
RCA2-TFA3NA-I-10-4S-①-②-③-④			4	0.25	0.125	25.1			ad screw	4	20	0
RCA2-TFA3NA-I-10-2S-①-②-③-④	10	Lead screw	2	0.5	0.25	50.3	±0.05	30 50		2	10	0
RCA2-TFA3NA-I-10-15-①-②-③-④			1	1	0.5	100.5			Lead	1	5(0
Code explanation ① Stroke ② Applicable cor	troller 3	Cable le	nath [4 Ontions	*See nage	A-71 for de	tails on nus	h motion				(Unit: mm/s)

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

See page Standard price

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→ A-52

	(1)	Stro	k
_				

④ Options

Brake

Name

Connector cable exits from the left

Connector cable exits from the front

Connector cable exits from the right

Power-saving specification

Standard price					
Feed screw					
Ball screw	Lead screw				
—	—				
—	—				
	Feed				

Option code

в

K1

K2

K3

LA

③Cable Length				
Туре	Cable symbol	Standard price		
Standard	P (1m)	—		
(Robot Cables)	S (3m)	—		
	M (5m)	—		
	X06 (6m) ~ X10 (10m)	—		
Special length	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

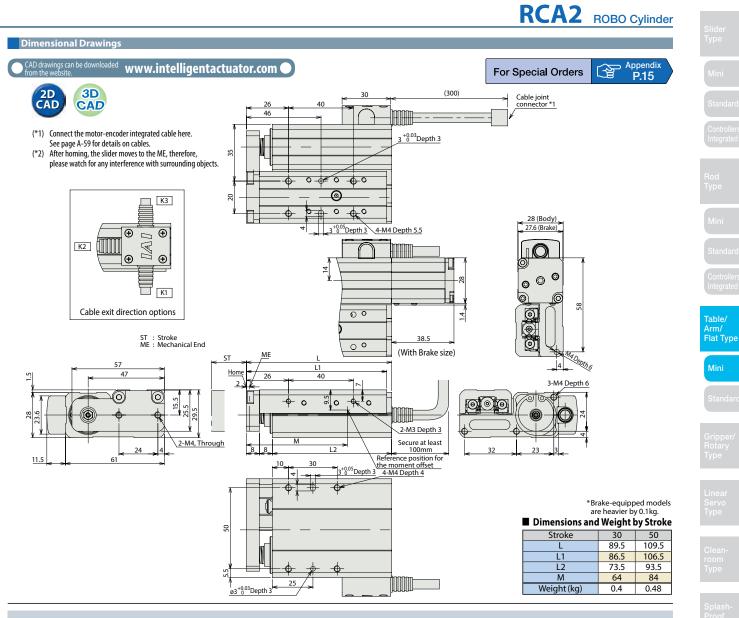
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Item		Description				
Drive System	1	Ball screw/Lead screw, ø4mm, rolled C10				
Lost Motion		Ball screw: 0.1mm or less Lead screw: 0.3mm or less (initial value)				
Frame		Material: Aluminum, white alumite treated				
Allowable dy	namic moment (Note)	Ma: 9.9 N·m, Mb: 9.9 N·m, Mc: 3.3 N·m				
		Ma: 14.1 N·m, Mb: 14.1 N·m, Mc: 6.7 N·m				
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 (*)				

(Note) For cases when the guide service life has been set to 5,000km. (*) For 1mm-lead: 3,000km or 50 million cycles.

Arm Flat Type

Servo Motor (24V)

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Name	External view	Model number	Features	Maximum number of positioning points	Input power	Power- supply capacity	Standard price	Referenc page
Solenoid Valve Type	AMEC-C-101①-①-2-1	Easy-to-use controller, even for beginners		AC100V	2.4A rated	_	→ P537	
		ASEP-C-101①-①-2-0	Simple controller operable with the same signal as a solenoid valve	3 points			_	→ P54
olenoid valve multi-axis type PIO specification	lui l	MSEP-C-())-2-0	MSEP-C				→ P563	
olenoid valve multi-axis type Network specification		MSEP-C	Field network-ready positioner type, allowing up to 8 axes to be connected	256 points		(Standard) 1.3A rated	_	- 503
Positioner type		ACON-C-10I①-①-2-0	Positioning is possible for up to 512	512 a cieta			_	
Safety-Compliant Positioner Type			ACON-CG-10I①	points	512 points	DC24V	4.4A max. (Power-saving)	_
Pulse Train Input Type (Differential Line Driver)		ACON-PL-10I①-①-2-0	Pulse train input type with differential line driver support	()		1.3A rated 2.5A max.	_	→ P631
Pulse Train Input Type (Open Collector)		ACON-PO-10I①-①-2-0	Pulse train input type with open collector support	- (—)		-	_	
Serial Communication Type		ACON-SE-10I①-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			_	→ P67

Servo Motor (24V)

> Motor (200V)

Servo Motor