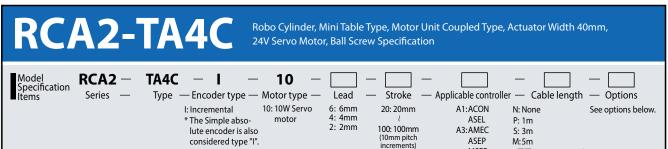
* See page Pre-47 for details on the model descriptions.

RoHS

CE

Arm Flat Type



Power-saving Photo above shows the TA3C. Technical P.5 References The payload is the value when the actuator is operated at an acceleration of 0.3 G (0.2G in the case of 2mm-lead and vertical usage). The upper limit for acceleration is 0.3G (or 0.2G in case of 2mm-lead and vertical usage). selectio

ASEP

MSEP

(3) See page A-71 for details on push motion.

M:5m

X□□:Custom Length

Actuator Specifications

■ Leads and Payloads							
Model number	Motor	Feed	Lead	Max. Load Capacity		Rated	Stroke
Modernaniber	output (W)	Screw	(mm)	Horizontal (kg)	0.5 28	(mm)	
RCA2-TA4C-I-10-6-①-②-③-④			6	1	0.5	28	
RCA2-TA4C-I-10-4-①-②-③-④	10	Ball screw	4	2	1	43	20~100 (every 10mm)
RCA2-TA4C-I-10-2-①-②-③-④			2	3	1.5	85	

considered type "I".

■ Stroke and Maximum Speed

Lea	Stroke	20~100 (every 10mm)		
*	6 300			
Ball screw	4	200		
B	2	100		

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

(Unit: mm/s)

① Stroke	
①Stroke (mm)	Standard price
20	_
30	_
40	_
50	_
60	_
70	_
80	_
90	_
100	_

4 Options									
Name	Option code	See page	Standard price						
Brake	В	→ A-42	_						
Cable exit direction (top)	CJT	→ A-42	_						
Cable exit direction (right)	CJR	→ A-42	_						
Cable exit direction (left)	CJL	→ A-42	_						
Cable exit direction (bottom)	CJB	→ A-42	_						
Power-saving specification	LA	→ A-52	_						
Non-motor end specification	NM	→ A-52	_						

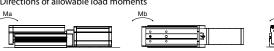
③ Cable Length								
Туре	Cable symbol	Standard price						
Standard	P (1m)	_						
(Robot Cables)	S (3m)	_						
(Nobol Cables)	M (5m)	_						
	X06 (6m) ~ X10 (10m)	_						
Special length	X11 (11m) ~ X15 (15m)	_						
	X16 (16m) ~ X20 (20m)	_						

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

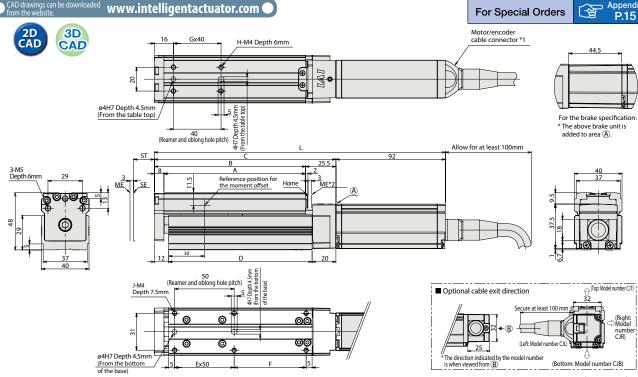
Actuator Specifications					
ltem	Description				
Drive System	Ball screw, ø6mm, rolled C10				
Positioning Repeatability	±0.02mm				
Lost Motion	0.1mm or less				
Base	Material: Aluminum, white alumite treated				
Allowable dynamic moment (*)	Ma: 4.2 N·m, Mb: 6 N·m, Mc: 8.2 N·m				
Ambient operating temperature, humidity	0 to 40°C, 85% RH or less (Non-condensing)				

(*) Based on 5,000km of traveling life

Directions of allowable load moments



Dimensional Drawings



(*1) Connect the motor-encoder integrated cable here. See page A-59 for details on cables. (*2) After homing, the slider moves to the ME, therefore, please watch for any interference with surrounding objects.

 $\mathsf{ST}:\mathsf{Stroke}$ ME: Mechanical end SE: Stroke end

■ Dimensions and Weight by Stroke

*Brake-equipped model are heavier by 0.2kg.										
Stroke	70	80	90	100						
Without brake	214.5	224.5	234.5	244.5	254.5	264.5	274.5	284.5	294.5	
With brake	259	269	279	289	299	309	319	329	339	
Α	89	99	109	119	129	139	149	159	169	
В	97	107	117	127	137	147	157	167	177	
С	122.5	132.5	142.5	152.5	162.5	172.5	182.5	192.5	202.5	
D	90.5	100.5	110.5	120.5	130.5	140.5	150.5	160.5	170.5	
E	1	1	1	1	2	2	2	2	2	
F	30.5	40.5	50.5	60.5	20.5	30.5	40.5	50.5	60.5	
G	1	1	1	1	2	2	2	2	2	
Н	4	4	4	4	6	6	6	6	6	
J	6	6	6	6	8	8	8	8	8	

Weight (kg) 0.8 0.8 0.8 0.9 0.9 0.9 1.0 1.0 1.0

② Applicable Controllers

RCA2 series actuators can be operated with the controllers indicated below. Select the type according to your intended application. *ACON-CY also can be used.

Name	External view	Model number	Features	Maximum number of positioning points	Input power	Power- supply capacity	Standard price	Reference page	
Colonaid Valva Tuna		AMEC-C-10I①-①-2-1	Easy-to-use controller, even for beginners		AC100V	2.4A rated	_	→ P537	
Solenoid Valve Type	1	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	1000	MSEP-C	Positioner type based on PIO control, allowing up to 8 axes to be connected						→ 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			_	7 7 303	
Positioner type		ACON-C-10I①-①-2-0	Positioning is possible for up to 512	512 points		(Standard) 1.3A rated	_		
Safety-Compliant Positioner Type		ACON-CG-10I①-⑩-2-0	points	312 points	DC24V	4.4A max. (Power-saving) 1.3A rated 2.5A max.	_		
Pulse Train Input Type (Differential Line Driver)	O.	ACON-PL-10I①-①-2-0	Pulse train input type with differential line driver support	()				_	→ P631
Pulse Train Input Type (Open Collector)	6	ACON-PO-10I()-()-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-1-10I①-①-2-0	Programmed operation is possible. Can operate up to 2 axes	1,500 points			_	→ P675	

* This is for the single-axis ASEL.

* Enter the code "LA" in ⊕ when the power-savin

* ⊕ indicates number of axes (1 to 8). * ⊕ indicates field network specification symbol.