* See page Pre-35 for an explanation of the naming convention

RCA2-TA5R ROBO Cylinder Table Type Side-Mounted Motor 55mm Width 24V Servo Motor Ball Screw ■ Configuration: RCA2- TA5R-20 npatible Contro Cable Length Type Option See Options below * Be sure to specify which side the motor is to be

10:10mm

5:5mm

2.5: 2.5mm

25: 25mm

100: 100mm

(25mm pitch

increments)

A1: ACON

A3: AMEC

RACON

ASEL

ASEP

N: None

P:1m

S:3m

M : 5m

X □□: Custom

20: 20W Servo

motor

I: Incremental * The simple

absolute encoder

is also considered type "I".

Power-saving

mounted (ML/MR).



Technical References





- (1) Please note that the maximum speed is different when used horizontally versus vertically.
- (2) The load capacity is based on operation at an acceleration of 0.3G (0.2G for the 2.5mm-lead model, or when used vertically). This is the upper limit of the acceleration.

Actuator Specifications									
■ Lead and Load Capacity ■ Stroke and Maximum Speed						d Maximum Speed			
Model	Motor Output (w)	Lead (mm)	Max. Load Horizontal (kg)		Rated Thrust (N)	Stroke (mm)	Stroke Lead	$25\sim 100$ (25mm increments)	
RCA2-TA5R-I-20-10-①-②-③-④		10	2	1	34	05 400	10	465 <400>	
RCA2-TA5R-I-20-5-①-②-③-④	20 5 2.5	5	3.5	2	68	25~100 (25mm	5	250	
RCA2-TA5R-I-20-2.5-①-②-③-④		2.5	5	3	137	increments)	2.5	125	
Legend: ①Stroke ②Compatible controller ③Cable length	n ④Opti	ons					* The values enclosed	in "< >" apply to vertical usage. (Unit: mm/s	

st
Standard Price
-
-
-
-

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

- * The standard cable is the motor-encoder integrated robot cable.
- * See page A-39 for cables for maintenance.

④ Option List			
Name	Option Code	See Page	Standard Price
Brake	В	→ A-25	-
Cable exit direction (Top)	CJT		
Cable exit direction (Outside)	CJO	→ A-25	_
Cable exit direction (Bottom)	CJB		
Power-saving	LA	→ A-32	-
Left-Mounted Motor (Standard)	ML	→ A-33	-
Right-mounted motor	MR	→ A-33	_
Reversed-home	NM	→ A-33	-

Actuator Specifications	3			
Item	Description			
Drive System	Ball screw ø8mm C10 grade			
Positioning Repeatability	±0.02mm			
Lost Motion	0.1mm or less			
Base	Material: Aluminum (special alumite treated)			
Allowable Static Load Moment	Ma: 25.5 N·m Mb: 36.5 N·m Mc: 56.1 N·m			
Allowable Dynamic Load Moment	Ma: 6.57 N·m Mb: 9.32 N·m Mc: 14.32 N·m			
Overhang Load Length	Within the load moment range			
Ambient Operating Temp./Humidity	0~40°C, 85% RH or less (non-condensing)			

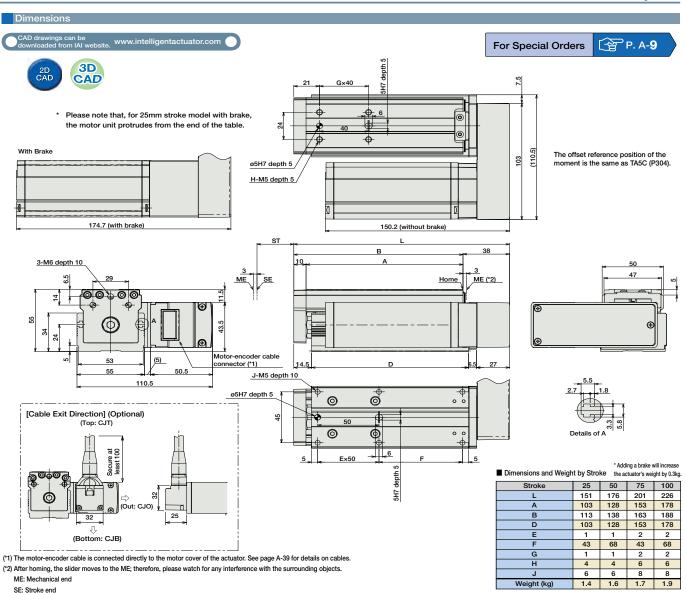


5,000 km service life





Table/Arm Flat Type



Name	External View	Model	Description	Max. Positioning Points	Input Voltage	Power Supply Capacity	Standard Price	See Page
	(A)	AMEC-C-20SI①-NP-2-1	Easy-to-use controller, even for beginners		AC100V	2.4A rated	-	→ P477
Solenoid Valve Type	1	ASEP-C-20SI①-NP-2-0	Operable with same signal as solenoid valve.	3 points		(Standard) 1.3A rated 4.4A max. (Power-saving) 1.3A rated 2.5A max.	-	→ P487
Splash-Proof Solenoid Valve Type		ASEP-CW-20SI①-NP-2-0	Supports both single and double solenoid types. No homing necessary with simple absolute type.				-	
Positioner Type	Í	ACON-C-20SI①-NP-2-0	Positioning is possible for up to 510 points	512 points			-	
Safety-Compliant Positioner Type		ACON-CG-20SI①-NP-2-0	Positioning is possible for up to 512 points	512 points			-	
Pulse Train Input Type Differential Line Driver)	Ó	ACON-PL-20SI①-NP-2-0	Pulse train input type with differential line driver support	()	DC24V		-	→ P535
Pulse Train Input Type (Open Collector)	è	ACON-PO-20SI①-NP-2-0	Pulse train input type with open collector support	(-)	(-)		-	
Serial Communication Type		ACON-SE-20SI①-N-0-0	Dedicated to serial communication	64 points			-	
Field Network Type		RACON-20S①	Dedicated to field network	768 points			-	→ P503
Program Control		ASEL-C-1-20SI①-NP-2-0	Programmed operation is possible	1500 points	1		_	→ P567

IAI

Operation is possible on up to 2 axes

② Compatible Controllers

Type

* This is for the single-axis ASEL.
* ① is a placeholder for the code "LA", if the power-saving option is specified.

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