Controllers
Integrated

Rod
Type

Mini

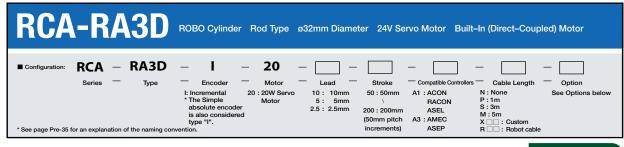
Standard

Controllers
Integrated

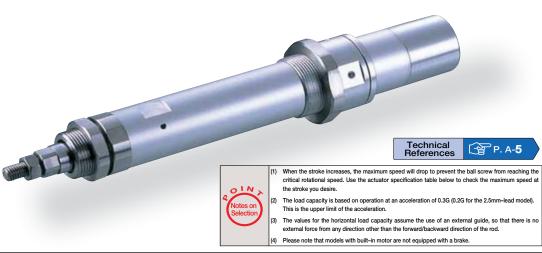
Table/Arm
//Flat Typ

Mini

Standard



Power-saving



## Actuator Specifications ■ Lead and Load Capacity Stroke and Maximum Speed 50 ~ 200 (50mm incremen Max. Load Capacity Stroke Lead (mm) Output (W Thrust (N Lead RCA-RA3D-I-20-10-10-2-3-4 10 4.0 36.2 10 500 50~200 RCA-RA3D-I-20-5-①-②-③-④ 20 5 9.0 72.4 5 250 3.0 (50mm RCA-RA3D-I-20-2.5-1 -2 -3 -4 18.0 6.5 144.8 125 (Unit: mm/s) Legend ① Stroke ② Compatible controllers ③ Cable length ④ Options

① Stroke Lis	st
Stroke (mm)	Standard Price
50	-
100	-
150	<b>-</b>
200	-

3 Cable List					
Туре	Cable Symbol	Standard Price			
Standard	P (1m)	-			
	<b>S</b> (3m)	-			
	M (5m)	-			
Special Lengths	X06 (6m) ~ X10 (10m)	-			
	X11 (11m) ~ X15 (15m)	-			
	X16 (16m) ~ X20 (20m)	-			
Robot Cable	R01 (1m) ~ R03 (3m)	-			
	R04 (4m) ~ R05 (5m)	-			
	R06 (6m) ~ R10 (10m)	-			
	R11 (11m) ~ R15 (15m)	-			
	R16 (16m) ~ R20 (20m)	-			
* O A OO		•			

<sup>\*</sup> See page A-39 for cables for maintenance.

② Cable List

4 Option List			
Name	Option Code	See Page	Standard Price
Foot bracket	FT	→ A–29	-
Flange bracket (front)	FL	→ A–27	-
Flange bracket (back)	FLR	→ A–28	-
Home sensor	HS	→ A–32	-
Power-saving	LA	→ A–32	-
Knuckle joint	NJ	→ A–34	-
Reversed-home	NM	→ A-33	-
Trunnion bracket (front)	TRF	→ A–38	-
Trunnion bracket (back)	TRR	→ A-38	_

<sup>\*</sup> The home sensor (HS) cannot be used on the reversed-home models.



Actuator Specifications				
Item	Description			
Drive System	Ball screw ø8mm C10 grade			
Positioning Repeatability	±0.02mm			
Lost Motion	0.1mm or less			
Base	Material: Aluminum (white alumite treated)			
Rod Diameter	ø16mm			
Non-rotating accuracy of rod	±1.0 deg			
Ambient Operating Temp /Humidity	0~40°C 85% BH or less (non-condensing)			

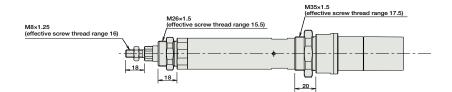


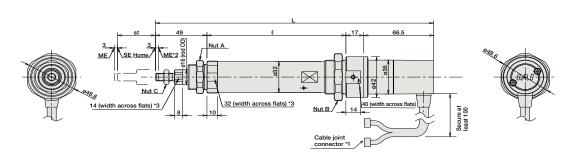


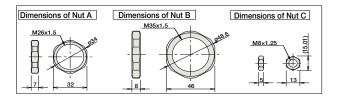
A motor-encoder cable is connected here. See page A-39 for details on cables. When homing, the rod moves to the ME; therefore, please watch for any interference with the surrounding objects. ME: Mechanical end SE: Stroke end

\*3. The orientation of the bolt will vary depending on the product.

## [No Brake]







## ■ Dimensions/Weight by Stroke RCA-RA3D (without brake)

		,		
Stroke	50	100	150	200
L	264.5	314.5	364.5	414.5
٤	132	182	232	282
Weight (kg)	0.7	0.8	0.9	1.0

The RCA-RA3D models are not equipped with a brake.

## ② Compatible Controllers

Name	External View	Model	Description	Max. Positioning Points	Input Voltage	Power Supply Capacity	Standard Price	See Pa
Solenoid Valve Type		AMEC-C-20SI-① NP-2-1	Easy-to-use controller, even for beginners		AC100V	2.4A rated	-	→ P4
	1	ASEP-C-20SI-① 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			-	
Splash-Proof Solenoid Valve Type	1	ASEP-CW-20SI-① NP-2-0					-	→ P487
Positioner Type	- 11 -	ACON-C-20SI-① NP-2-0	Positioning is possible for up to 512 points	512 points			-	
Safety-Compliant Positioner Type		ACON-CG-20SI-① NP-2-0	Positioning is possible for up to 312 points	512 points			-	
Pulse Train Input Type (Differential Line Driver)		ACON-PL-20SI-① NP-2-0	Pulse train input type with differential line driver support	(-) 64 points 768 points	DC24V	1.7A rated 5.1A peak	-	→ P:
Pulse Train Input Type (Open Collector)		ACON-PO-20SI-① NP-2-0	Pulse train input type with open collector support		(-)		-	
Serial Communication Type		ACON-SE-20SI-① N-0-0	Dedicated to serial communication				-	
Field Network Type		RACON-20S ①	Dedicated to field network				-	→ <b>P</b> :
Program Control Type		ASEL-C-1-20SI-① NP-2-0	Programmed operation is possible Operation is possible on up to 2 axes	1500 points			-	→ <b>P</b> :

\* This is for the single-axis ASEL.

\* ① is a placeholder for the code "LA" if the power-saving option is specified.

IAI

RCA-RA3D **202** 



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

PMEC /AMEC PSEP /ASEP ROBO NET ERG2 PCON ACON SCON PSEL ASEL SSEL