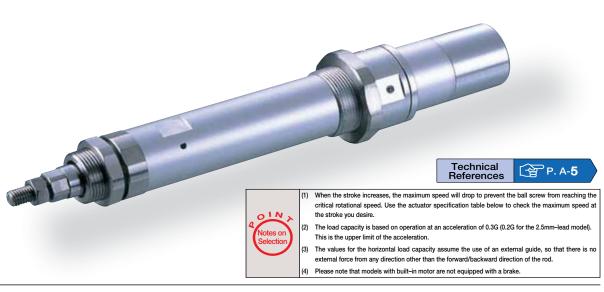
RCA-RA3D ROBO Cylinder Rod Type ø32mm Diameter 24V Servo Motor Built-In (Direct-Coupled) Motor lacktriangle Configuration: RCA - RA3D 20 Encoder Motor Compatible Controlle Cable Length Option I: Incremental * The Simple 10: 10mm 5: 5mm N: None 20 : 20W Servo 50:50mm A1: ACON See Options below N: None
P: 1m
S: 3m
M: 5m
X : Custom
R: : Robot cable Motor RACON absolute encoder 2.5 : 2.5mm ASEL 200 : 200mm is also considered (50mm pitch A3 : AMEC increments) ASEP * See page Pre-35 for an explanation of the naming convention.

Power-saving



Actuator Specifications ■ Lead and Load Capacity ■ Stroke and Maximum Speed Max. Load Capacity $50 \sim 200$ Rated Lead Stroke RCA-RA3D-I-20-10-10-2-3-4 36.2 500 10 4.0 1.5 10 50~200 RCA-RA3D-I-20-5-1 - 2 - 3 - 4 3.0 20 5 9.0 72.4 5 250 RCA-RA3D-I-20-2.5-1 -2 -3 -4 18.0 6.5 144.8 2.5 125 (Unit: mm/s) Legend ① Stroke ② Compatible controllers ③ Cable length ④ Options

① Stroke List				
Stroke (mm)	Standard Price			
50	_			
100	-			
150	-			
200	-			

© Cable List					
Туре	Cable Symbol	Standard Price			
	P (1m)	_			
Standard	S (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)	_			

^{*} See page A-39 for cables for maintenance.

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	-

^{*} 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% RH or less (non–condensing)			

Dimensions

CAD drawings can be downloaded from IAI website. www.intelligentactuator.com

For Special Order

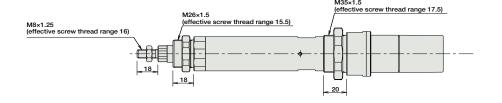


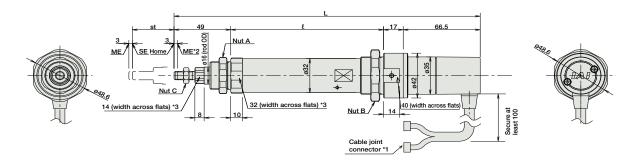


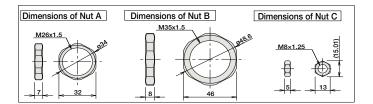
- *1 A motor-encoder cable is connected here. See page A-39 for details on cables.
 *2. When homing, the rod moves to the ME; therefore, please watch for any
- interference with the surrounding objects. ME: Mechanical end SE: Stroke end

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









■ Dimensions/Weight by Stroke

RCA-RA3D (without brake)					
Stroke	50	100	150	200	
L	264.5	314.5	364.5	414.5	
l	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

The RCA series actuators can operate with the controllers below. Select the controller according to your usage

Name	External View	Model	Description	Max. Positioning Points	Input Voltage	Power Supply Capacity	Standard Price	See Page	
Solenoid Valve Type		AMEC-C-20SI-① NP-2-1	Easy-to-use controller, even for beginners	3 points	AC100V	2.4A rated	-	→ P477	
		ASEP-C-20SI-① NP-2-0	Operable with same signal as solenoid valve. Supports both single and double solenoid types.		3 points		-	- → P487	
Splash-Proof Solenoid Valve Type	1	ASEP-CW-20SI-① NP-2-0	No homing necessary with simple absolute type.				-		
Positioner Type		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	r contouring to 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	(-)		DC24V	1.7A rated 5.1A peak	-	→ P535
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	64 points			-		
Field Network Type		RACON-20S ①	Dedicated to field network	768 points			-	→ P503	
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			-	→ P567	

* This is for the single-axis ASEL.

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

RCA-RA3D **202** IAI