Controllers
Integrated

Rod
Type

Mini

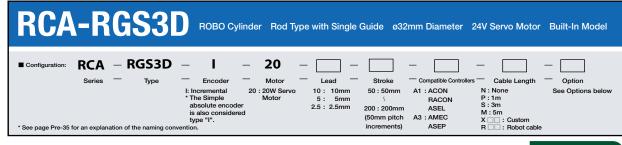
Standard

Controllers
Integrated

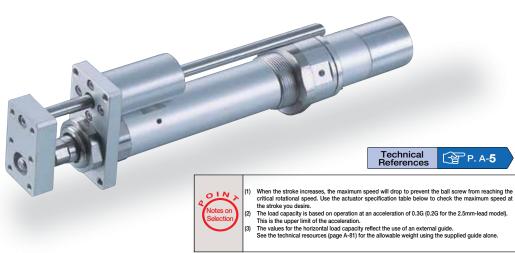
Table/Arr.
//Fiat Typ

Mini

Standard



Power-saving



## Actuator Specifications ■ Lead and Load Capacity Stroke and Maximum Speed $50 \sim 200$ (50mm incremen Max. Load Capacity Stroke Lead (mm) Rated Output (W RCA-RGS3D-I-20-10-10-20-30-4 10 4.0 1.2 36.2 10 500 50~200 RCA-RGS3D-I-20-5-1 - 2 - 3 - 4 20 5 9.0 2.7 5 250 72.4 (50mm RCA-RGS3D-I-20-2.5-1 - 2 - 3 - 4 18.0 6.2 144.8 125 (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	-

## ③ Cable List

Туре	Cable Symbol	Standard Price	
Standard	P (1m)	-	
	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)	_	

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

4 Option List			
Name	Option Code	See Page	Standard Price
Foot bracket	FT	→ A-29	-
Home sensor	HS	→ A-32	-
Power-saving	LA	→ A-32	-
Reversed-home	NM	→ A-33	-
Trunnion bracket (back)	TRR	→ A-38	_

 $<sup>^{\</sup>star}$  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			
Guide	Single guide (guide rod diameter ø12mm, Ball bush type)			
Rod Diameter	ø16mm			
Non-rotating accuracy of rod	±0.05 deg			
Ambient Operating Temp./Humidity	0~40°C. 85% RH or less (non-condensing)			

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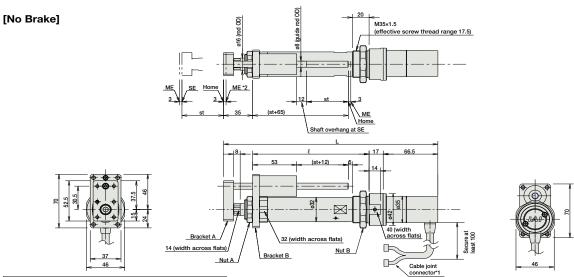


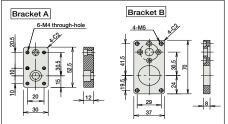


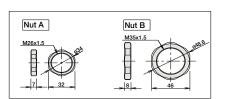
- A motor-encoder cable is connected here. See page A-39 for details on cables.

  When homing, the rod moves to the ME; therefore, please watch for any interference with the surrounding objects.

  ME: Mechanical end SE: Stroke end







## ■ Dimensions/Weight by Stroke

RCA-RGS3D (without brake) 50 100 Stroke 258.5 308.5 358.5 408.5 140 190 240 290 0.9 1.1 1.2 1.3 Weight (kg)

Brake-equipped configuration is not available with the RCA-RGS3D.

Name	External View	Model	Description	Max. Positioning Points	Input Voltage	Power Supply Capacity	Standard Price	See Pag
-	AMEC-C-20SI ① -NP-2-1	Easy-to-use controller, even for beginners		AC100V	2.4A rated	-	→ P47	
Solenoid Valve Type	1	ASEP-C-20SI ① -NP-2-0	Operable with same signal as solenoid valve.	3 points		DC24V 1.7A rated 5.1A peak	-	→ P487
Splash-Proof Solenoid Valve Type		ASEP-CW-20SI ① -NP-2-0	Supports both single and double solenoid types. 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			-	→ P535
Safety-Compliant Positioner Type		ACON-CG-20SI ① -NP-2-0	T delicating is possible for up to 312 points	312 points	DC24V		-	
Pulse Train Input Type (Differential Line Driver)		ACON-PL-20SI ① -NP-2-0	Pulse train input type with differential line driver support	- (-)			-	
Pulse Train Input Type (Open Collector)	è	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-20S①	Dedicated to field network	768 points			-	→ P50
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			-	→ P56

IAI

RCA-RGS3D **216** 



Controllers Integrated

Rod
Type

Mini

Standard

Controllers
Integrated

Fable/Arm
Flat Type

Controllers

PMEC AMEC
PSEP ASEP
ROBO NET
ERC2
PCON
ACON
SCON
PSEL
ASEL