Controllers
Integrated

Rod
Type

Mini

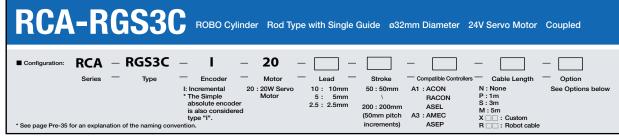
Standard

Controllers
Integrated

Table/Arm
//Fiat Typp

Mini

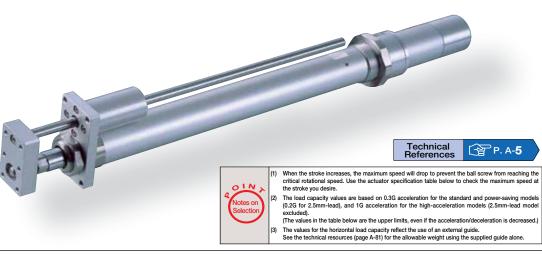
Standard



For High Acceleration/Deceleration

Power-saving

(Except the 2.5mm-lead model)



Actuator Specifications ■ Lead and Load Capacity Stroke and Maximum Speed 50 ~ 200 (50mm incremen Max. Load Capacity Stroke Lead Output (W Thrust (N RCA-RGS3C-I-20-10-10-20-30-4 10 4.0 36.2 10 500 50~200 RCA-RGS3C-I-20-5-1 - 2 - 3 - 4 20 5 2.7 72.4 250 9.0 5 (50mm RCA-RGS3C-I-20-2.5-1 - 2 - 3 - 4 18.0 6.2 144.8 (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	-

_	

Actuator Specifications

Туре	Cable Symbol	Standard Price	
	P (1m)	-	
Standard	S (3m)	-	
	M (5m)	-	
	X06 (6m) ~ X10 (10m)	-	
Special Lengths	X11 (11m) ~ X15 (15m)	-	
	X16 (16m) ~ X20 (20m)	-	
	R01 (1m) ~ R03 (3m)	-	
Robot Cable	R04 (4m) ~ R05 (5m)	-	
	R06 (6m) ~ R10 (10m)	_	
	R11 (11m) ~ R15 (15m)	-	
	R16 (16m) ~ R20 (20m)	-	

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

Option List							
Name	Option Code	See Page	Standard Price				
Brake	В	→ A-25	_				
Foot bracket	FT	→ A-29	-				
High-acceleration/deceleration (*1)	HA	→ A-32	-				
Home sensor (*2)	HS	→ A-32	-				
Power-saving (*3)	LA	→ A-32	-				
Reversed-home	NM	→ A-33	-				
Trunnion bracket (back)	TRR	→ A-38	-				

(*1) The high-acceleration/deceleration option is not available for 2.5mm-lead model.
(*2) The home sensor (HS) cannot be used on the reversed-home models.
(*3) The high acceleration/deceleration option and the power-saving option cannot be used simultaneously.

RCA-RGS3C

Actuator opecifications				
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)			



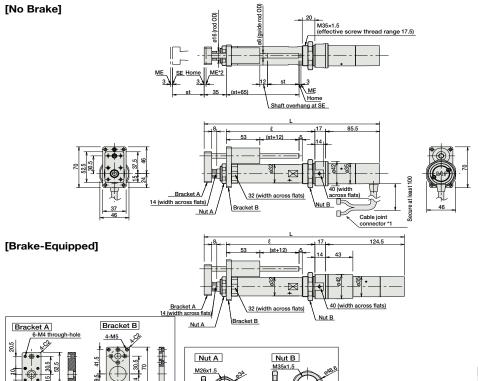
For Special Order



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-RGS3C (without brake)						
Γ	Stroke	50	100	150	200		
Ι	L	277.5	327.5	377.5	427.5		
[l	140 190		240	290		
[Weight (kg)	0.9	1.1	1.2	1.3		
ì	BCA-BGS3C (with brake)						

316.5 366.5 416.5 466.5 140 190 240 290 1.1 1.3 1.4 1.5

② Compatible controller

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
	1	MEC-C-20SI ① -NP-2-1	Easy-to-use controller, even for beginners		AC100V	2.4A rated	-	→ P477
Solenoid Valve Type =	1	ASEP-C-20SI ① -NP-2-0	Operable with same signal as solenoid valve.	3 points			-	→ 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	E	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 512 points	512 points		1.7A rated 5.1A peak	-	
Pulse Train Input Type (Differential Line Driver)		ACON-PL-20SI ① -NP-2-0	Pulse train input type with differential line driver support	()	DC24V		-	→ 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-20S①	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 "HA" or "LA" if the high acceleration/deceleration option or the power-saving option is specified.

IAI

RCA-RGS3C **212**







Standard
Controllers
Integrated

Rod
Type
Mini
Standard
Controllers
Integrated
able/Arm
Flat Type

Controllers

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



sales@electromate.com