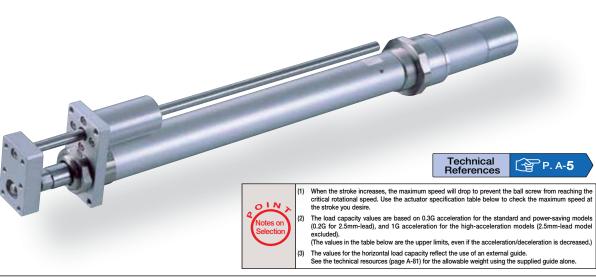
RCA-RGS3C ROBO Cylinder Rod Type with Single Guide Ø32mm Diameter 24V Servo Motor Coupled lacktriangle Configuration: RCA - RGS3C 20 Cable Length Encoder Motor Compatible Controlle N: None P:1m S:3m M:5m I: Incremental * The Simple 20 : 20W Servo Motor 10: 10mm 50:50mm A1 : ACON See Options below 5mm RACON absolute encoder 2.5 : 2.5mm ASEL 200: 200mm is also considered A3: AMEC (50mm pitch increments) ASEP * See page Pre-35 for an explanation of the naming convention.

For High Acceleration/Deceleration

Power-saving

(Except the 2.5mm-lead model)



Actuator Specifications ■ Lead and Load Capacity ■ Stroke and Maximum Speed Max. Load Capacity Rated 50 ~ 200 Stroke Lead RCA-RGS3C-I-20-10-10-20-30-4 36.2 10 4.0 10 500 1.2 50~200 RCA-RGS3C-I-20-5-1 - 2 - 3 - 4 20 5 9.0 2.7 72.4 (50mm 5 250 RCA-RGS3C-I-20-2.5-1 - 2 - 3 - 4 2.5 18.0 6.2 144.8 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	_				

③ 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)	-				
	R01 (1m) ~ R03 (3m)	-				
	R04 (4m) ~ R05 (5m)	-				
Robot Cable	R06 (6m) ~ R10 (10m)	-				
	R11 (11m) ~ R15 (15m)	-				
	R16 (16m) ~ R20 (20m)	_				
* See page A-39 for cables for maintenance.						

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.

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)				

RCA-RGS3C

For Special Order



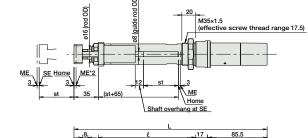


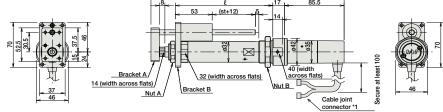


- *1 A motor-encoder cable is connected here. See page A-39 for details on cables.
 - When homing, the rod moves to the ME; therefore, please watch for any interference with the surrounding objects.

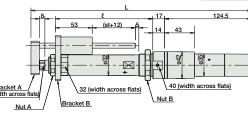
 ME: Mechanical end SE: Stroke end

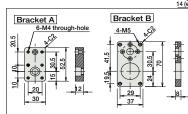
[No Brake]

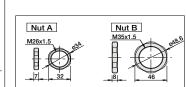




[Brake-Equipped]







■ Dimensions/Weight by Stroke

RCA-RGS3C (without brake)						
50	100	150	200			
277.5	327.5	377.5	427.5			
140	190	240	290			
0.9	1.1	1.2	1.3			
	50 277.5 140	50 100 277.5 327.5 140 190	50 100 150 277.5 327.5 377.5 140 190 240			

RCA-RGS3C (with brake)						
Stroke	50	100	150	200		
L	316.5	366.5	416.5	466.5		
Ł	140	190	240	290		
Weight (kg)	1.1	1.3	1.4	1.5		

② Compatible controller

Name	External View	Model	Description	Max. Positioning Points	Input Voltage	Power Supply Capacity	Standard Price	See Page		
	A	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. 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	É	ACON-C-20SI ① -NP-2-0	Positioning is possible for up to 512 points	512 points	512 points DC24V (-) 64 points 768 points 1500 points				-	
Safety-Compliant Positioner Type		ACON-CG-20SI ① -NP-2-0	Positioning is possible for up to 312 points	512 points		24V 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	(-)			-	→ 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.

^{*}①is a placeholder for the code "HA" or "LA" if the high acceleration/deceleration option or the power-saving option is specified.