ROBO Cylinder Rod Type with Single Guide ø55mm Diameter 200V Servo Motor RCS2-RGS5 Coupled lacktriangle Configuration: RCS2 - RGS5C -Туре Encoder Cable Length Option 60 : 60W Servo Motor 100 : 100W Servo Motor I : Incremental A : Absolute N: None 16: 16mm 50:50mm T1:XSEL-J/K See Options below N: None
P: 1m
S: 3m
M: 5m
X : Custom
R: : Robot cable 8mm T2:SCON 4mm 300:300mm SSEL (50mm pitch increments) * See page Pre-35 for an explanation of the naming convention.

For High Acceleration/Deceleration



Actuator Specifications

■ Lead and Load Capacity

Model	Motor Output (w)	Lead (mm)	Max. Load Horizontal (kg)		Rated Thrust (N)	Stroke (mm)
RCS2-RGS5C-①-60-16-②-③-④-⑤		16	12.0	1.3	63.8	
RCS2-RGS5C-①-60-8-②-③-④-⑤	60	8	25.0	4.3	127.5	
RCS2-RGS5C-①-60-4-②-③-④-⑤		4	50.0	10.8	255.1	50 ~ 300
RCS2-RGS5C-①-100-16-②-③-④-⑤		16	15.0	2.8	105.8	(50mm increments)
RCS2-RGS5C-①-100-8-②-③-④-⑤	100	8	30.0	8.3	212.7	
RCS2-RGS5C-①-100-4-②-③-④-⑤		4	60.0	17.3	424.3	
Legend: ① Encoder ② Stroke ③ Compatible controller	4 Cable le	ngth 5	Options			

■ Stroke and Maximum Speed

See the technical resources (page A-82) for the allowable weight using the supplied guide alone.

Stroke Lead	$50 \sim 250$ (50mm increments)	300 (mm)
16	800	755
8	400	377
4	200	188

(Unit: mm/s)

Encoder & Stroke List

		Standard Price				
	① Encoder					
2 Stroke (mm)	Incren	nental	Absolute			
	Motor O	Output (W) Motor Output		utput (W) Motor Output (W)		utput (W)
	60W	100W	60W	100W		
50	-	-	-	-		
100	-	-	-	-		
150	-	-	-	-		
200	-	-	-	-		
250	-	-	_	-		
300	_	-	=	=		

	4	Cable	List	
=				=

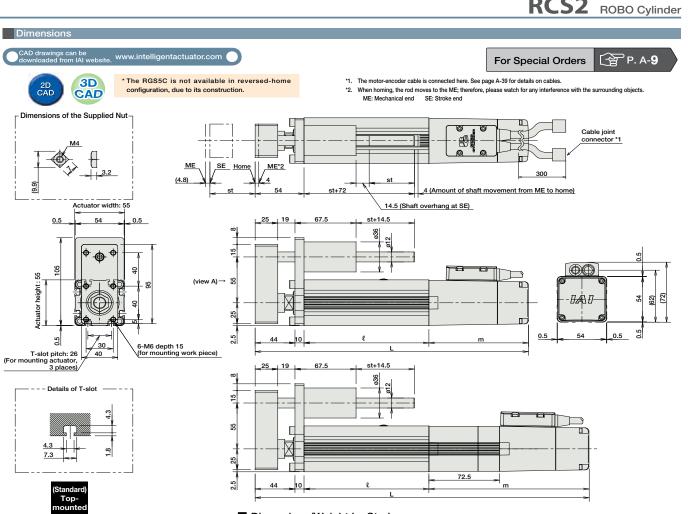
Туре	Cable Symbol	Standard Price
	P (1m)	-
Standard	S (3m)	-
	M (5m)	-
	X06 (6m) ~ X10 (10m)	-
Special Lengths	X11 (11m) ~ X15 (15m)	-
	X16 (16m) ~ X20 (20m)	-
	R01 (1m) ~ R03 (3m)	-
	R04 (4m) ~ R05 (5m)	-
Robot Cable	R06 (6m) ~ R10 (10m)	-
	R11 (11m) ~ R15 (15m)	-
	R16 (16m) ~ R20 (20m)	-

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

⑤ Option List **Option Code** See Page Name Standard Price Connector cable exit direction **A2** → A-25 В Brake → A-25 Foot bracket FT → A-29 $GS2 \sim GS4$ Guide mounting direction → P252 НА High-acceleration/deceleration (*1) → A-32

^(*1) The high-acceleration/deceleration option is not available for all 60W models and 100W model

Actuator Specification	ons
Item	Description
Drive System	Ball screw ø12mm C10 grade
Positioning Repeatability	±0.02mm
Lost Motion	0.1mm or less
Guide	Single guide (guide rod diameter ø12mm, Ball bush type)
Rod Diameter	ø30mm
Non-rotating accuracy of rod	±0.1 deg
Ambient Operating Temp./Humidity	$0\sim40^{\circ}\text{C}$, 85% RH or less (non-condensing)



■ Dimensions/Weight by	Stroke
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GS4 Left-mounted

Actuato

GS3 Bottom

GS2 Right-

Guide mounting direction (as viewed from view A)

RCS2	-RGS5C	(withou	t brake)				
S	troke	50	100	150	200	250	300
L	60W	284	334	384	434	484	534
_	100W	302	352	402	452	502	552
	l	138	188	238	288	338	388
m	60W			9	2		
Ξ	100W			11	10		
Wei	aht (ka)	2.5	2.8	3.2	3.6	3.9	4.3

	RCS2-RGS5C (with brake)							
	Stroke		50	100	150	200	250	300
	L	60W	356.5	406.5	456.5	506.5	556.5	606.5
	_	100W	374.5	424.5	474.5	524.5	574.5	624.5
	٤		138	188	238	288	338	388
	m 60W		164.5					
					18:	2.5		
	Wei	ght (kg)	2.8	3.1	3.5	3.9	4.2	4.6

Name	External View	Model	Description	Max. Positioning Points	Input Voltage	Power Supply Capacity	Standard Price	See Page		
Positioner Mode			Positioning is possible for up to 512 points 512 points							
iolenoid Valve Mode		SCON-C-60①-NP-2-③	Operable with the same controls as the solenoid valve.	7 points				→ P 547		
erial Communication Type				SCON-C-100①②-NP-2-③	Dedicated to serial communication	64 points	Single-Phase AC 100V Single-Phase AC 200V	Maximum 360VA		× F347
Pulse Train Input Control Type			Dedicated to Pulse Train Input	(-)	3-Phase AC 200V (XSEL-P/Q only)	* Single-axis model operated at 150W				
Program Control 1-2 Axes Type		SSEL-C-1-60①-NP-2-③ SSEL-C-1-100①②-NP-2-③	Programmed operation is possible Operation is possible on up to 2 axes	20000 points	(OLL 174 Sinj)		-	→ P577		
Program Control 1-6 Axes Type	Pilled.	XSEL-④-1-60①-N1-EEE-2-⑤ XSEL-④-1-100①②-N1-EEE-2-⑤	Programmed operation is possible Operation is possible on up to 6 axes	20000 points			-	→ P587		

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RCS2-RGS5C **252**