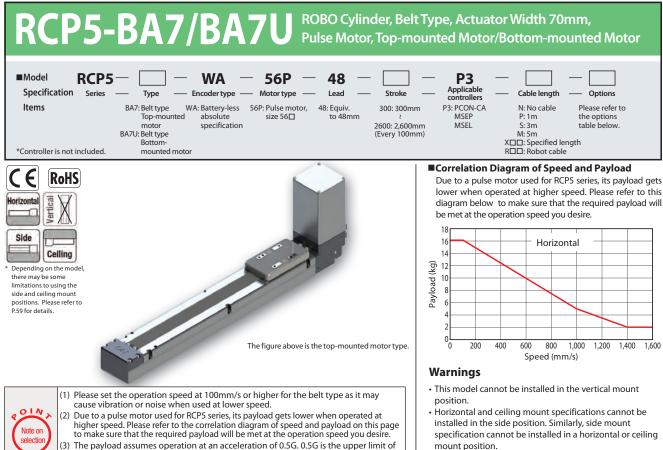
RCP5 ROBO Cylinder



 The maximum stroke for the side and ceiling mount positions is 1,000mm.

Actuator Specifications ILead and Payload Stroke and Maximum Speed														Unit: mm/
Model number	Motor attached side	Motor attached side (mm) Advinum payload Horizontal (kg)	Stroke (mm)					500 (mm)	600 (mm)	700 (mm)		900	1,000~2,6 (Every 100mm)	
RCP5-BA7-WA-56P-48-①-P3-②-③	Тор	Equiv. to	0 16	300~2,600		uiv.		1 0 7 0	1.000		1.450	1.530	1.550	1.000
RCP5-BA7U-WA-56P-48-①-P3-②-③	Bottom	48mm	16	(Every 100mm)		to mm	890	1,070	1,220	1,340	1,450	1,520	1,550	1,600

Legend: ① Stroke ② Cable length ③ Options

the acceleration.

(4) Push-motion operation cannot be performed.

① Stroke			
Stroke (mm)	Standard price	Stroke (mm)	Standard price
300	-	1,500	-
400	-	1,600	-
500	-	1,700	-
600	-	1,800	-
700	-	1,900	-
800	-	2,000	-
900	-	2,100	-
1,000	-	2,200	-
1,100	-	2,300	-
1,200	-	2,400	-
1,300	-	2,500	-
1,400	-	2,600	-

③ Options

Sobrions			
Name	Option code	Reference page	Standard price
Brake	В	→P. 11	-
Cable exit direction (Top)	CJT	→P. 11	-
Cable exit direction (Right)	CJR	→P. 11	-
Cable exit direction (Left)	CJL	→P.11	-
Cable exit direction (Bottom)	CJB	→P. 11	-
Ceiling mount type	CIM	→P. 59	-
Left side-mount type	SIL	→P. 59	-
Right side-mount type	SIR	→P. 59	-
Non-motor end specification	NM	→P. 11	-

2 Cable Len	gth	
Туре	Cable code	Standard prid
	P (1m)	-
Standard type	S (3m)	-
	M (5m)	-
	X06 (6m) ~X10 (10m)	-
Special length	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)	-

*Please refer to P. 89 for maintenance cables

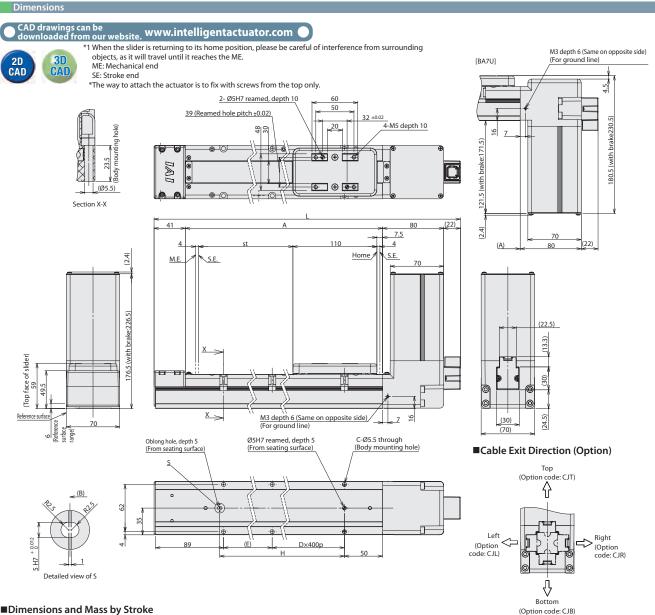
Actuator Specifications Item Description Drive system Timing belt Positioning repeatability ±0.08mm 0.1mm or less Lost motion Material: Aluminum with white alumite treatment Base Dynamic allowable moment (*1) Ma: 33.2N•m, Mb: 33.2N•m, Mc: 72.3N•m Static allowable moment Ma: 80.7N•m, Mb: 80.7N•m, Mc: 175N•m Ambient operating temperature, humidity 0 to 40°C, 85% RH or less (Non-condensing)

•Reference for overhang load length/Ma: 180mm or less, Mb, Mc: 180mm or less

(*1) Assumes a standard rated life of 5,000km.(*) The operational life will vary depending or

The operational life will vary depending on operation and installation conditions. Please refer to the general catalog for details on operational life, allowable moment direction, and overhang load length.

RCP5 ROBO Cylinder



Dimensions and Mass by Stroke

	Stroke	300	400	500	600	700	800	900	1,000	1,100	1,200	1,300	1,400	1,500	1,600	1,700	1,800	1,900	2,000	2,100	2,200	2,300	2,400	2,500	2,600
	L	578	678	778	878	978	1,078	1,178	1,278	1,378	1,478	1,578	1,678	1,778	1,878	1,978	2,078	2,178	2,278	2,378	2,478	2,578	2,678	2,778	2,878
	A	435	535	635	735	835	935	1,035	1,135	1,235	1,335	1,435	1,535	1,635	1,735	1,835	1,935	2,035	2,135	2,235	2,335	2,435	2,535	2,635	2,735
	В	340	440	540	640	740	840	940	1,040	1,140	1,240	1,340	1,440	1,540	1,640	1,740	1,840	1,940	2,040	2,140	2,240	2,340	2,440	2,540	2,640
	C	4	4	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14	16	16
	D	0	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6
	E	335	435	135	235	335	435	135	235	335	435	135	235	335	435	135	235	335	435	135	235	335	435	135	235
Mas	Without brake	3.8	4.1	4.4	4.8	5.1	5.4	5.8	6.1	6.5	6.8	7.1	7.5	7.8	8.1	8.5	8.8	9.1	9.5	9.8	10.2	10.5	10.8	11.2	11.5
(kg)	With brake	4.4	4.7	5	5.4	5.7	6	6.4	6.7	7.1	7.4	7.7	8.1	8.4	8.7	9.1	9.4	9.7	10.1	10.4	10.8	11.1	11.4	11.8	12.1

*The weights shown in the table above are for BA7. The weight increases by 0.2kg for BA7U.

Applicable Controllers

The DCDE seri

The RCPS series actuators can be operated by the controllers indicated below, Please select the type depending on your intended use.												
Name	External view	Model number	Max. number of controlled axes	Maximum number of positioning points	Input power	Standard price	Reference page					
Positioner type (High-output specification)		PCON-CA-56PWAI-①-2-0		512 points		-						
Pulse train type (High-output specification)		PCON-CA-56PWAI-PL [®] -2-0	1	512 points		-	→P. 69					
Network type (High-output specification)		PCON-CA-56PWAI0-0		768 points	DC24V	-						
Solenoid valve multi-axis type (PIO specification)	1 me	MSEP	C: 8 (4 when high-output enabled) LC: 6 (3 when high-output enabled)	3 points			→P.77					
Solenoid valve multi-axis type (Network specification)		MSEP		256 points		-	→P.77					
Program control multi-axis type		MSEL-PC-1-56PWAI-①-2-4										
Program control multi-axis type (w/network board)		MSEL-PC-1-56PWAI0-4	4	30,000 points	Single-phase		→P. 87					
Program control multi-axis type (Safety category compliant spec.)	n 1.	MSEL-PG-1-56PWAI-①-2-4	4	30,000 points	AC 100V~230V	-	→P. 87					
Program control multi-axis type (Safety category compliant spec. w/network board)		MSEL-PG-1-56PWAI0-4										

*Above MSEL models are for single-axis specification *① I/O type (NP/PN) *¹⁰ Field network specification code *¹⁰ C or LC *¹⁰ N (NPN specification) or P (PNP specification) code *¹⁰ Field network specification) or P (PNP specification) code *¹⁰ N (NPN specification) or P (PNP specification) code *¹⁰ N (NPN specification) or P (PNP specification) code *¹⁰ N (NPN specification) or P (PNP specification) code *¹⁰ N (NPN specification) or P (PNP specification) code *¹⁰ N (NPN specification) or P (PNP specification) code *¹⁰ N (NPN specification) or P (PNP specification) code *¹⁰ N (NPN specification) or P (PNP specification) code *¹⁰ N (NPN specification) code *¹⁰ N (NPN

* Number of axes

