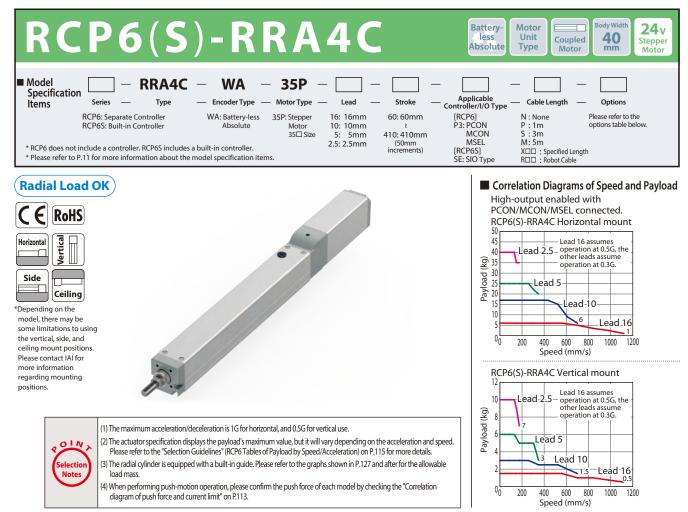
RCP6 ROBO Cylinder®



Lead and Payload (Note 1) The payload assumes that there is an external guide. Stroke and Max. Speed									(Unit: mm/s)
Lead (mm)	Connected Controller			Stroke (mm)		Lead (mm)	Connected Controller	60~360 (Every 50mm)	410 (mm)
16	High-output Enabled	7	1.5			16	High-output Enabled	1,120	1,080
10	High-output Enabled	18	3	60~410		10	High-output Enabled	700	685
5	High-output Enabled	28	6	of stroke is 50mm)		5	High-output Enabled	350	340
2.5	High-output Enabled	40	10			2.5	High-output Enabled	175	170
]	Lead (mm) 16 10 5	Lead Connected (mm) Controller 16 High-output 10 High-output Enabled 5 High-output Enabled 25 High-output	Lead (mm) Connected Controller Max. Pay Horizontal legitetti 16 High-output Enabled 7 10 High-output Enabled 18 5 High-output Enabled 28 2.5 High-output 40	Lead (mm) Connected Controller Max. Payload 16 High-output Enabled 7 1.5 10 High-output Enabled 18 3 5 High-output Enabled 28 6 2.5 High-output 40 10	Lead (mm) Connected Controller Max. Payload Hotostfallig/Net/live/live/live/live/live/live/live/live	Lead (mm) Connected Controller Max.Payload Hotizontal (g)(Met) Stroke (mm) 16 High-output Enabled 7 1.5 10 High-output Enabled 18 3 5 High-output Enabled 28 6 2.5 High-output 40 10	Lead (mm)Connected ControllerMax.Payload Hoizontal (ig)(Met 1)Stroke (mm)Lead (mm)16High-output Enabled71.51610High-output Enabled18360~4105High-output Enabled2865532.5High-output Enabled286	Lead (mm)Connected ControllerMax. Payload Max. PayloadStroke (mm)Lead (mm)Connected Controller16High-output Enabled71.516High-output Enabled18360~41010High-output Enabled10High-output Enabled18360~41010High-output Enabled10High-output Enabled5High-output Enabled2865High-output Enabled5High-output Enabled2.5High-output Enabled401010High-output Enabled2.5High-output	Lead (mm)Connected ControllerMax. Payload Hotizontal ligi Weit I)Stroke (mm)Lead (controllerConnected (Controller60~360 (Every 50mm)16High-output Enabled71.516High-output Enabled18360~41016High-output Enabled1,12010High-output Enabled18360~410 (The increment of stroke is 50mm)10High-output Enabled7005High-output Enabled2865High-output Enabled3502.5High-output Enabled401010175

Legend: ① Stroke ② Applicable controller/I/O type ③ Cable length ④ Options

① Stroke					
Stroke (mm)	RCP6	RCP6S	Stroke (mm)	RCP6	RCP6S
60	0	0	260	0	0
110	0	0	310	0	0
160	0	0	360	0	0
210	0	0	410	0	0

④ Options

Name	Option Code	Reference Page
Brake	B	See P.105
Cable exit direction (Top)	CJT	See P.105
Cable exit direction (Right)	CJR	See P.105
Cable exit direction (Left)	CJL	See P.105
Cable exit direction (Bottom)	CJB	See P.105
Flange	FL	See P.106
Tip adapter (Flange)	FFA	See P.105
Tip adapter (Internal thread)	NFA	See P.109
Tip adapter (Keyway)	KFA	See P.108
Non-motor end specification	NM	See P.110

When selecting multiple options, please list them in alphabetical order. (e.g. B-CJB-NM)

3 Cable Len	gth		
Cable Type	Cable Code	RCP6	RCP6S
	P (1m)	0	0
Standard	S (3m)	0	0
	M (5m)	0	0
	X06 (6m) ~X10 (10m)	0	0
Specified Length	X11 (11m) ~X15 (15m)	0	0
	X16 (16m) ~X20 (20m)	0	0
	R01 (1m) ~R03 (3m)	0	0
	R04 (4m) ~R05 (5m)	0	0
Robot Cable	R06 (6m) ~R10 (10m)	0	0
	R11 (11m) ~R15 (15m)	0	0
	R16 (16m) ~R20 (20m)	0	0

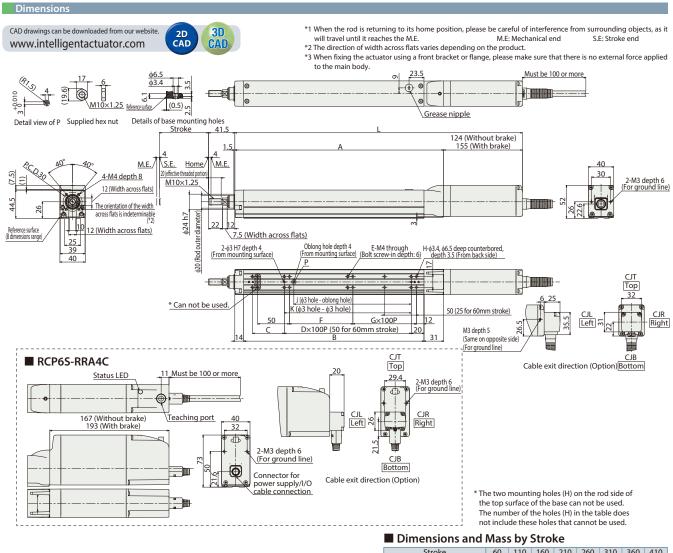
* Please refer to P.144 for more information regarding the maintenance cables.

Actuator Specifications

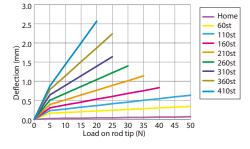
ltem	Description
Drive system	Ball screw ø8mm, rolled C10
Positioning repeatability	±0.01mm
Lost motion	0.1mm or less
Rod	φ20mm Aluminum
Rod non-rotation precision*	0 deg.
Allowable load and torque on rod tip	See P. 127
Rod tip overhang distance	100mm
Ambient operating temp. & humidity	0~40°C, 85% RH or less (Non-condensing)

* Rod's angular displacement in rotational direction with no load applied to the rod.





■ Rod Deflection of RCP6(S)-RRA4C (Reference Values)



	Str	oke	60	110	160	210	260	310	360	410
	RCP6	w/o brake	303	353	403	453	503	553	603	653
L	nCr0	w/ brake	334	384	434	484	534	584	634	684
L	RCP6S	w/o brake	346	396	446	496	546	596	646	696
	nCP03	w/ brake	372	422	472	522	572	622	672	722
		A	179	229	279	329	379	429	479	529
		В	134	184	234	284	334	384	434	484
		С	50	50	100	50	100	50	100	50
		D	0	1	1	2	2	3	3	4
E			6	6	6	8	8	10	10	12
F			50	100	50	100	50	100	50	100
G			0	0	1	1	2	2	3	3
	Н		6	6	8	8	10	10	12	12
	J		35	85	85	185	185	285	285	385
	К			100	100	200	200	300	300	400
Allowa	Allowable static load on rod tip (N)		63.4	50.7	42.1	36	31.3	27.6	24.6	22.2
		Load offset 0mm	2.9	2.3	1.8	1.5	1.3	1.1	1.0	0.8
load on r	rod tip (kg)	Load offset 100mm	1.8	1.6	1.4	1.2	1.0	0.9	0.8	0.7
Allowab	le static to	rque on rod tip (N•m)	6.4	5.1	4.3	3.7	3.2	2.9	2.6	2.3
Allowabl	e dynamic t	orque on rod tip (N•m)	1.7	1.5	1.3	1.1 1.0 0.9 0.		0.7	0.7	
	RCP6	w/o brake	1.2	1.4	1.5	1.6	1.7	1.9	2.0	2.1
Mass	ксро	w/ brake	1.4	1.5	1.7	1.8	1.9	2.0	2.2	2.3
(kg)	RCP6S	w/o brake	1.4	1.6	1.7	1.8	1.9	2.1	2.2	2.3
	nCP05	w/ brake	1.6	1.7	1.8	2.0	2.1	2.2	2.3	2.5

The RCP6 series actuators car	be operated by	the controlle	rs indicated below	. Please select th	ne type dependi	ing on your inte	nded use. * Please refer to P.147 fo	or more information about the bui	It-in controller of RCP6S series
Name	External	Max. number of	Input nower	Control method				Maximum number	Reference page
Name	view	controlled axes	Input power	Positioner	Pulse train	Program	Network *Option	of positioning points	neierence page
PCON-CB/CGB	I	1	DC24V	● *Option	● *Option	-	DeviceNet MEDATRO	 (768 for network spec.) 	Please see P.131
MCON-C/CG		4	DC24V	This model is network-compatible only.			Comport Comport	256	Please see the MCO catalog.
MSEL-PC/PG	0	4	Single-phase 100~230VAC	-	-	•	will vary depending on the controller. Please refer to reference page more information.	30,000	Please see the MSEL PC/PG catalog.

*Please select "high-output specification" as an option for the MCON. With the MCON, operation is possible only when the high-output specification is selected.

