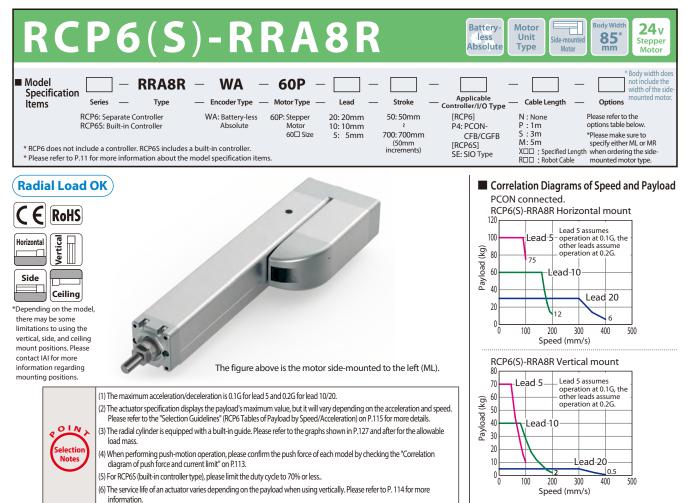
RCP6 ROBO Cylinder®



Actuator Specifications												
Lead and Payload (Note 1	Stroke and Max. Speed						(Unit: mm/s)					
Model Number	Lead (mm)	Max. P Horizontal (kg)	/	Stroke (mm)	Lead (mm)	50 (mm)	100~450 (mm)	500 (mm)	550 (mm)	600 (mm)	650 (mm)	700 (mm)
RCP6(S)-RRA8R-WA-60P-20-10-10-10-10-10-10-10-10-10-10-10-10-10	20	30	5		20	280	400	360	320	280	240	220
RCP6(S)-RRA8R-WA-60P-10-10-10-10-10-10-10-10-10-10-10-10-10-	10	60	40	50~700 (The increment of stroke is 50mm)	10		200	180	160	140	120	110
RCP6(S)-RRA8R-WA-60P-5-①-②-③-④	5	100	70		5		100	90	80	70	60	55
Lagandi @ Stroka @ Applicable controllor///0 tupe @ Cal				·								

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

① Stroke					
Stroke (mm)	RCP6	RCP6S	Stroke (mm)	RCP6	RCP6S
50	0	0	400	0	0
100	0	0	450	0	0
150	0	0	500	0	0
200	0	0	550	0	0
250	0	0	600	0	0
300	0	0	650	0	0
350	0	0	700	0	0

④ Options

Name	Option Code	Reference Page
Brake	В	See P.105
Cable exit direction (Outside)	CJ0	See P.105
Flange	FL	See P.106
Tip adapter (Internal thread)	NFA	See P.109
Motor side-mounted to the left	ML	See P.109
Motor side-mounted to the right	MR	See P.109
Knuckle joint*	NJ	See P.110
Non-motor end specification	NM	See P.110
Clevis bracket*	QR	See P.111

* The clevis (QR) and knuckle joint (NJ) are sold as a set.

The assembly is to be performed by the customer.

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)	Ó	Ó

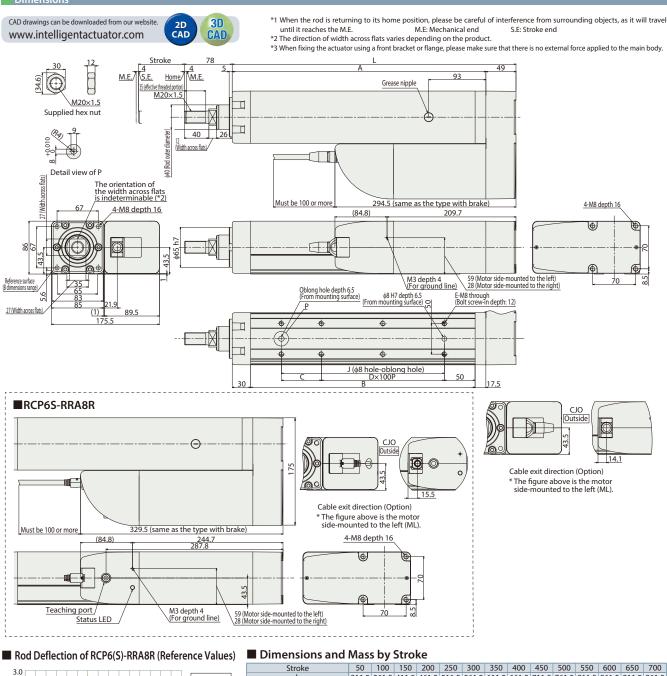
* Please refer to P.144 for more information regarding the maintenance cables.

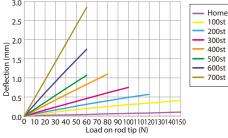
Actuator Specifications

ltem	Description
Drive system	Ball screw \u00e916mm, rolled C10
Positioning repeatability	±0.01mm
Lost motion	0.1mm or less
Rod	φ40mm Aluminum
Rod non-rotation precision*	0 deg.
Allowable load and torque on rod tip	See P. 127
Rod tip overhang distance	150mm
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.







	Str	oke	50	100	150	200	250	300	350	400	450	500	550	600	650	700
		L	311.5	361.5	411.5	461.5	511.5	561.5	611.5	661.5	711.5	761.5	811.5	861.5	911.5	961.5
		A	262.5	312.5	362.5	412.5	462.5	512.5	562.5	612.5	662.5	712.5	762.5	812.5	862.5	912.5
		В	215	265	315	365	415	465	515	565	615	665	715	765	815	865
		C	115	65	115	65	115	65	115	65	115	65	115	65	115	65
		D	0	1	1	2	2	3	3	4	4	5	5	6	6	7
		E	4	6	6	8	8	10	10	12	12	14	14	16	16	18
		J	115	165	215	265	315	365	415	465	515	565	615	665	715	765
Allowal	ole static l	oad on rod tip (N)	222	186	159	139	124	111	101	92.1	84.7	78.4	72.8	68	63.7	59.8
Allowabl	e dynamic	Load offset 0mm	9.5	7.8	6.6	5.7	5.0	4.5	4.0	3.6	3.3	3.0	2.8	2.6	2.4	2.2
load on r	od tip (kg)	Load offset 100mm	7.4	6.3	5.5	4.9	4.4	4.0	3.6	3.3	3.0	2.8	2.6	2.4	2.2	2.1
Allowab	le static tor	que on rod tip (N•m)	22.3	18.7	16.1	14.1	12.6	11.3	10.3	9.4	8.7	8.1	7.6	7.1	6.7	6.3
Allowable	e dynamic to	orque on rod tip (N•m)	7.2	6.2	5.4	4.8	4.3	3.9	3.5	3.2	3.0	2.7	2.5	2.4	2.2	2.0
	RCP6	w/o brake	7.9	8.3	8.8	9.3	9.8	10.2	10.7	11.2	11.7	12.1	12.6	13.1	13.6	14.0
Mass	nCP0	w/ brake	8.1	8.6	9.1	9.6	10.0	10.5	11.0	11.5	11.9	12.4	12.9	13.4	13.8	14.3
(kg)	RCP6S	w/o brake	8.1	8.5	9.0	9.5	10.0	10.4	10.9	11.4	11.9	12.3	12.8	13.3	13.8	14.2
	NCF 05	w/ brake	8.3	8.8	9.3	9.8	10.2	10.7	11.2	11.7	12.1	12.6	13.1	13.6	14.0	14.5

② Applicable Con The RCP6 series actuators can be	operated by			pelow. Please	e select the ty		ding on your intended use. * Please refer to P.147 for mo		-in controller of RCP6S series
		Max. number of controlled axes		Positioner	Pulse train P		Control method Network *Option	Maximum number of positioning points	Reference page
PCON-CFB/CGFB		1	DC24V	• *Option	• *Option	-	Device\\et Compo\\et Ether\\et/IP CC-Link BROTH BROTH EtherCAT	512 (768 for network spec.)	Please see P.131

