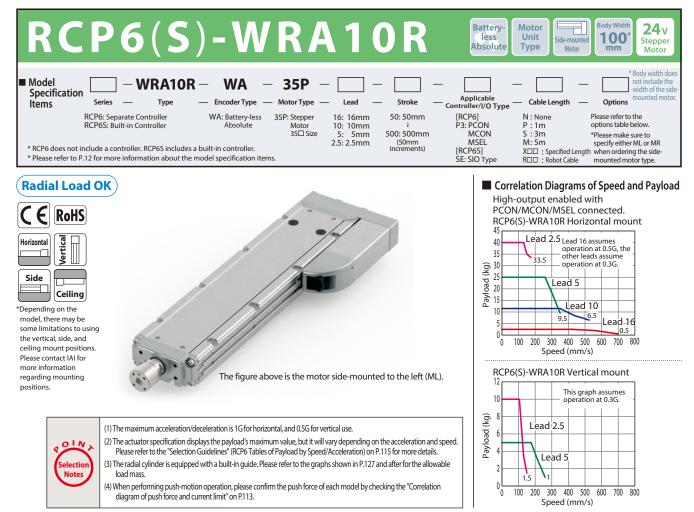
RCP6 ROBO Cylinder®



Actuator Specifications											
Lead and Payload (Note 1) The payload assumes that there is an external guide. Stroke and Max. Speed										(Unit: mm/s)	
Model Number	Lead (mm)	Connected Controller			Stroke (mm)		Lead (mm)	Connected Controller	50~400 450 (Every 50mm) (mm)		500 (mm)
RCP6(S)-WRA10R-WA-35P-16-10-2-3-4	16	High-output Enabled	4	-			16	High-output Enabled	700		
RCP6(S)-WRA10R-WA-35P-10-0-2-3-@	10	High-output Enabled	11.5	-	50~500 (The increment		10	High-output Enabled	525		490
RCP6(S)-WRA10R-WA-35P-5-①-②-③-④	5	High-output Enabled	28	5	of stroke is 50mm)		5	High-output Enabled	350 <260>	290 <260>	240
RCP6(S)-WRA10R-WA-35P-2.5-0-2-9-9-4	2.5	High-output Enabled	40	10			2.5	High-output Enabled	175 <150>	145	120
Legend: D Stroke D Applicable controller/1/0 type @ Cable length @ Options Values in brackets < > are for vertic									for vertical use.		

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	300	0	0
100	0	0	350	0	0
150	0	0	400	0	0
200	0	0	450	0	0
250	0	0	500	0	0

④ Options

Name	Option Code	Reference Page
Brake	B	See P.105
Cable exit direction (Outside)	CJ0	See P.105
Flange	FL	See P.106
Motor side-mounted to the left	ML	See P.109
Motor side-mounted to the right	MR	See P.109
Non-motor end specification	NM	See P.110
T-slot nut bar (Left)	NTBL	See P.110
T-slot nut bar (Right)	NTBR	See P.110

* When selecting T-slot nut bar option with a side-mounted motor model, please choose NTBR when the motor is side-mounted to the left, and NTBL when the motor is side-mounted to the right.

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

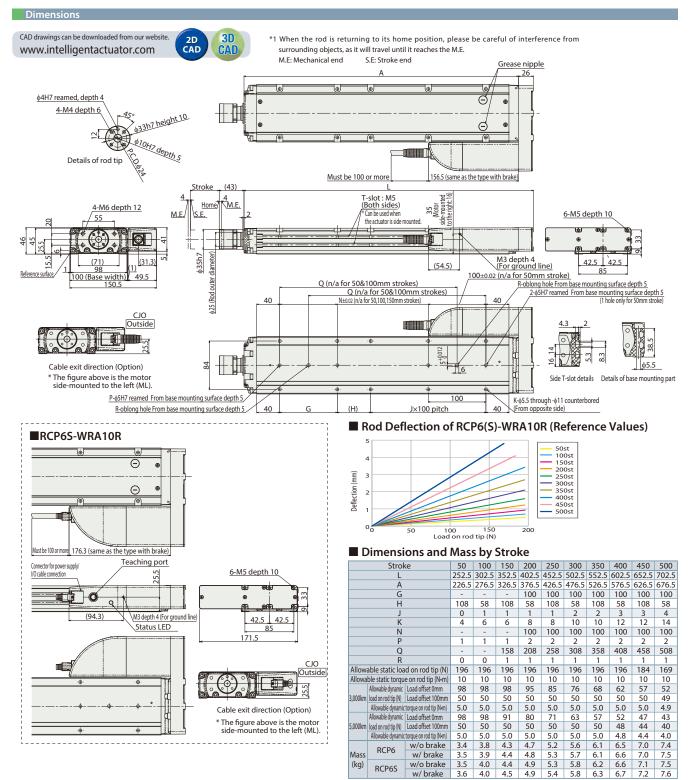
③ Cable Len	gth		
Cable Type	Cable Code	RCP6	RCP6S
	P (1m)	0	0
Standard	S (3m)	0	0
	M (5m)	0	0
Specified Length	X06 (6m) ~X10 (10m)	0	0
	X11 (11m) ~X15 (15m)	0	0
	X16 (16m) ~X20 (20m)	0	0
Robot Cable	R01 (1m) ~R03 (3m)	0	0
	R04 (4m) ~R05 (5m)	0	0
	R06 (6m) ~R10 (10m)	0	0
	R11 (11m) ~R15 (15m)	0	0
	R16 (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	φ25mm Stainless steel				
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)				

RCP6 ROBO Cylinder®



ne RCP6 series actuators c	an be operated by	the controlle	ers indicated below	. Please select t	he type depend	ing on your inte	nded use. * Please	refer to P.147 for mo	pre information about the buil	t-in controller of RCP6S series
Name	External	Max. number of	Input power	Control method				Maximum number	Reference page	
Name	view	controlled axes		Positioner	Pulse train	Program	Networ	k *Option	of positioning points	nelelelice page
PCON-CB/CGB		1	DC24V	● *Option	● *Option	-	DeviceNet CC-Link		512 (768 for network spec.)	Please see P.131
MCON-C/CG		4	DC24V		This model is rk-compatible only.		ieusi pp	pospa Dec	256	Please see the MCO catalog.
MSEL-PC/PG		4	Single-phase 100~230VAC	-	-	•	will vary deper controller.	iding on the reference page for	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

