## RCP6 ROBO Cylinder®



	Actuator Specifications											
■ Lead and Payload ■ Stroke and Max. Speed									(Uni	t: mm/s)		
		Model Number	Lead (mm)	Connected Controller	Max. P Horizontal (kg)	ayload Vertical (kg)	Stroke (mm)	Leac (mm)	Connected Controller	Single Block 25~150	Double I 40~190	Block 240
- - -	÷	RCP6(S)-TA4C-WA-35P-16-1-2-3-4	16	High-output Enabled	3	1		16	High-output Enabled	980 <700>	_	
	Blo	RCP6(S)-TA4C-WA-35P-10-10-10-10-10-10-10-10-10-10-10-10-10-	10	High-output Enabled	4	2.5	25~150 (The increment					
	ngle	RCP6(S)-TA4C-WA-35P-5-①-②-③-④	5	High-output Enabled	5	5	of stroke is 50mm)	10	High-output Enabled	785 <700>	785 <700>	680
	ŝ	RCP6(S)-TA4C-WA-35P-2.5-①-②-③-④	2.5	High-output Enabled	5	10				(100)	(700)	
	lock	RCP6(S)-TA4C-WA-35P-10-10-10-10-10-10-10-10-10-10-10-10-10-	10	High-output Enabled	8	2.5		5	Enabled	390	390	340
	ble E	RCP6(S)-TA4C-WA-35P-5-①-②-③-④	5	High-output Enabled	10	5	40~240		High-output			
	Dou	RCP6(S)-TA4C-WA-35P-2.5-①-②-③-④	2.5	High-output Enabled	10	10		2.5	Enabled	195	195 17	170
1	Legend: 🔘 Stroke 🖉 Applicable controller/I/O type 🕄 Cable length 🕘 Options Values in brackets < > are for vertical use.											

① Stroke									
	Single Block		Double Block						
Stroke (mm)	RCP6	RCP6S	Stroke (mm)	RCP6S					
25	0	0	40	0	0				
50	0	0	65	0	0				
75	0	0	90	0	0				
100	0	0	140	0	0				
125	0	0	190	0	0				
150	0	0	240	0	0				

③ Cable Length								
Cable Type	Cable Code	RCP6	RCP6S					
	<b>P</b> (1m)	0	0					
Standard	<b>S</b> (3m)	0	0					
	<b>M</b> (5m)	0	0					
Specified Length	X06 (6m) ~X10 (10m)	0	0					
	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.

## tor Specifications

ltem		Description				
Drive system		Ball screw ø8mm, rolled C10				
Positioning repeatability		±0.01mm				
Lost motion		0.1mm or less				
Base		Material: Aluminum with white alumite treatment				
Static allowable moment	Single block	Ma: 13N•m, Mb: 18.6N•m, Mc: 25.3N•m				
Static allowable moment	Double block	Ma: 76.8N•m, Mb: 110N•m, Mc: 50.5N•m				
Dumannic allow/able memory (*)	Single block	Ma: 4.98N•m, Mb: 7.11N•m, Mc: 9.68N•m				
Dynamic allowable moment (*)	Double block	Ma: 23.9N•m, Mb: 34.1N•m, Mc: 15.7N•m				
Ambient operating temp. & hu	midity	0~40°C, 85% RH or less (Non-condensing)				

(\*) Assumes a standard rated life of 5,000km. The service life will vary depending on operation and installation conditions.

Please refer to our website for more information regarding the directions of the allowable moment and overhang load length.

Please refer to RCP6 instruction manual regarding the displacement of the table.

④ Options

Name	Option Code	Reference Page
Brake	В	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
High-rigidity (Double-block guide)	DB	See P.105
Non-motor end specification	NM	See P.110

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

**З**<sub>RCP6(S)-ТА4С</sub>

			Actua
	Option Code	Reference Page	
	В	See P.105	Drive system
	CJT	See P.105	Positioning
t)	CJR	See P.105	Lost motion
-,	CII.	500 D 105	Base



© Applicable Controllers										
The RCP6 series actuators can be operated by the controllers indicated below. Please select the type depending on your intended use. * Please refer to P.147 for more information about the built-in controller of RCP6S series.										
Name	External view	Max. number of controlled axes	Input power	Positioner	Control method Positioner Pulse train Program Network *Option			Maximum number of positioning points	Reference page	
PCON-CB/CGB		1	DC24V	● *Option	● *Option	-	DeviceNet		512 (768 for network spec.)	Please see P.131
MCON-C/CG		4	DC24V	networ	This model is C work-compatible only.		CompoNet		256	Please see the MCON catalog.
MSEL-PC/PG		4	Single-phase 100~230VAC	-	-	•	will vary depending on the controller. Please refer to reference page for 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										

