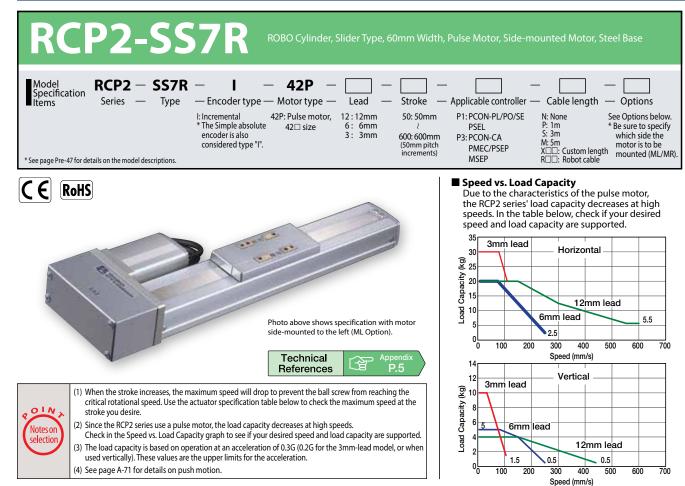
RCP2 ROBO Cylinder

Slide Typ



Actuator Specifications						
Leads and Payloads (Note 1) Please note that the maximum load capacity decreases as the speed increases.						
Model number	Lead (mm)	Max. Load Ca Horizontal (kg)	pacity (Note 1) Vertical (kg)	Stroke (mm)	Str Lead	
RCP2-SS7R-I-42P-12-①-②-③-④	12	~20	~4		12	
RCP2-SS7R-I-42P-6-①-②-③-④	6	~20	~5	50~600 (every 50mm)	6	
RCP2-SS7R-I-42P-3-①-②-③-④	3	~30	~10		3	

Stroke and Maximum Speed							
Stroke Lead	50~500 (every 50mm)	~600 (mm)					
12	600 <440>	470 <440>					
6	250	230					
3	105	105					
* The values enclosed	in < > apply to vertical	settings (Unit mm/s)					

Code explanation ① Stroke ② Applicable Controller ③ Cable length ④ Options *See page A-71 for details on push motion.

1	S	tr	0	k

0	
①Stroke (mm)	Standard price
50/100	_
150/200	—
250/300	_
350/400	_
450/500	_
550/600	—

Option code	See page	Standard price
В	→ A-42	_
NM	→ A-52	—
ML	→ A-52	_
MR	→ A-52	—
SR	→ A-55	—
	B NM ML MR	$ \begin{array}{c} \mathbf{B} & \rightarrow \mathbf{A} - 42 \\ \mathbf{NM} & \rightarrow \mathbf{A} - 52 \\ \mathbf{ML} & \rightarrow \mathbf{A} - 52 \\ \mathbf{MR} & \rightarrow \mathbf{A} - 52 \end{array} $

Туре	Cable symbol	Standard Price
	P (1m)	_
Standard	S (3m)	—
	M (5m)	_
Special length	X06 (6m) ~ X10 (10m)	—
	X11 (11m) ~ X15 (15m)	_
	X16 (16m) ~ X20 (20m)	—
	R01 (1m) ~ R03 (3m)	_
Robot Cable	R04 (4m) ~ R05 (5m)	_
	R06 (6m) ~ R10 (10m)	_
	R11 (11m) ~ R15 (15m)	_
	R16 (16m) ~ R20 (20m)	_

See page A-59 for cables for maintenance.

Actuat	tor S	peci	ficati	ons

ltem	Description
Drive System	Ball screw, ø10mm, rolled C10
Positioning repeatability	±0.02mm
Lost Motion	0.1mm or less
Base	Material: Special alloy steel
Allowable static moment	Ma: 79.4 N·m, Mb: 79.4 N·m, Mc: 172.9 N·m
Allowable dynamic moment (*)	Ma: 14.7 N·m, Mb: 14.7 N·m, Mc: 33.3 N·m
Allowable overhang	300mm or less in Ma, Mb and Mc directions
Ambient operating temperature, humidity	0 to 40°C, 85% RH or less (Non-condensing)

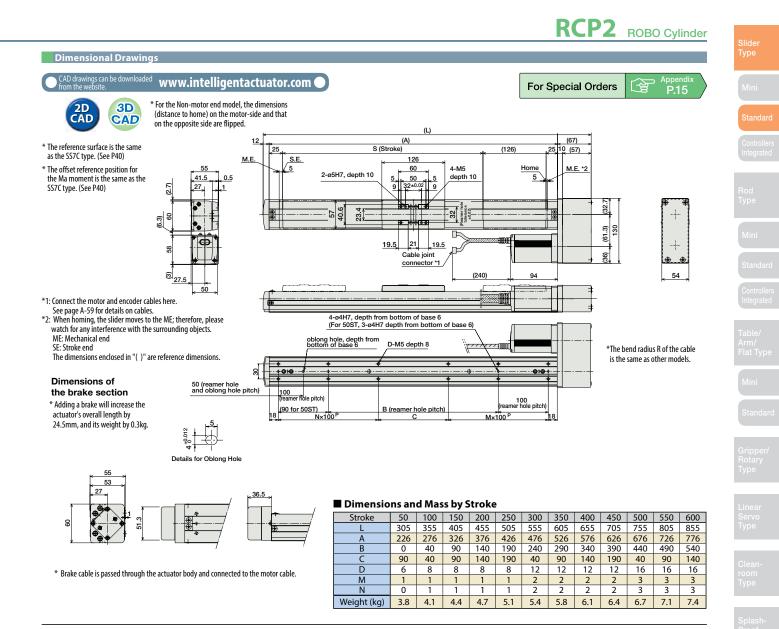
(*) Based on 10,000km of traveling life

Directions of Allowable Load Moment





RCP2-SS7R



② Applicable Controllers RCP2 series actuators can be operated with the controllers indicated below. Select the type according to your intended application.								
Name	External view	Model number	Features	Maximum number of positioning points	Input power	Power-supply capacity	Standard price	Referenc page
C. L	111	PMEC-C-42PI-①-2-①	Easy-to-use controller, even for beginners		AC100V AC200V	Refer to P541	-	→ P537
Solenoid Valve Type		PSEP-C-42PI-①-2-0	Simple controller operable with the same signal as a solenoid valve	3 points		Refer to P555	_	→ P547
Solenoid valve multi-axis type PIO specification	line	MSEP-C	Positioner type based on PIO control, allowing up to 8 axes to be connected			Refer to P572		→ P563
Solenoid valve multi-axis type Network specification	iiii -	MSEP-C	Field network-ready positioner type, allowing up to 8 axes to be connected	256 points			_	
Positioner type High-output specification		PCON-CA-42PI-①-2-0	Equipped with a high-output driver Positioner type based on PIO control	512 points			_	
Pulse-train type High-output specification		PCON-CA-42PI-PL□-2-0	Equipped with a high-output driver Pulse-train input type	(—)	DC24V	Refer to P618	_	→ P607
Field network type High-output specification		PCON-CA-42PI-10-0-0	Equipped with a high-output driver Supporting 7 major field networks	768 points	DC24V		_	
Pulse Train Input Type (Differential Line Driver)		PCON-PL-42PI-①-2-0	Pulse train input type with differential line driver support				_	
Pulse Train Input Type (Open Collector)		PCON-PO-42PI-①-2-0	Pulse train input type with open collector support	(—)		Refer to P628	_] → P623
Serial Communication Type	Ĩ	PCON-SE-42PI-N-0-0	Dedicated Serial Communication	64 points			_	
Program Control Type		PSEL-CS-1-42PI-①-2-0	Programmed operation is possible. Can operate up to 2 axes	1,500 points		Refer to P671	-	→ P665

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* This is for the single-axis PSEL. * ① indicates I/O type (NP/PN). * ① indicates power supply voltage (1: 100V / 2: 100~240V). * ① indicates number of axes (1 to 8). * ② indicates field network specification symbol. * □ indicates N (NPN specification) or P (PNP specification) symbol. Motor 24V)

Servo Motor 200V)

Linea Servo Motor

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