



Technical References

Rod Type

Mini

Standard

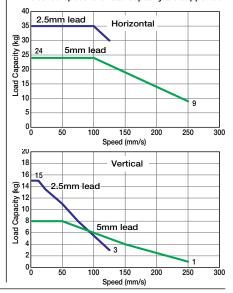
Controllers
Integrated

- (1) Since the RCP2 series use a pulse motor, the load capacity decreases at high speeds. Check in the
- Speed vs. Load Capacity graph to see if your desired speed and load capacity are supported.

 (2) The load capacity is based on operation at an acceleration of 0.3G (0.2G for the 2.5mm-lead model, or when used vertically).
- This is the upper limit of the acceleration.
- (3) The horizontal load capacity is based on the use of an external guide. See the technical resources (page A-82) for the allowable weight using the supplied guide alone.

■ Speed vs. Load Capacity

Due to the characteristics of the pulse motor, the RCP2 series' load capacity decreases at high speeds. In the table below, check if your desired speed and load capacity are supported.



Actuator Specifications

■ Lead and Load Capacity (Note 1) Please note that the maximum load capacity decreases as the speed increases.

Model	Lead	Max. Load C	apacity (Note 1)	iviaximum Push	Stroke	ı
Model	(mm)	Horizontal (kg)	Vertical (kg)	Force (N) (Note 2)	(mm)	l
RCP2-SRGS4R-I-35P-5-①-②-③-④	5	∼ 24	~ 8	90	$\begin{array}{c} 20 \sim 200 \\ \text{(10mm)} \end{array}$	
RCP2-SRGS4R-I-35P-2.5-①-②-③-④	2.5	~ 35	∼ 1 5	170	(Note 3)	
egend: ① Stroke ② Compatible controller ③ Cable length	4 Optio			9 for the pushing for	rce graphs.	

_ 01.0.10 4	a maximum opeca
Stroke	20 ~ 200
Lead	(10mm increments)
5	250
2.5	125

(Unit: mm/s)

■ Stroke and Maximum Speed

Stroke List

Stroke (mm)	Standard Price
20~50	-
60∼100	-
150	-
200	-

③ Cable List

Туре	Cable Symbol	Standard Price		
Standard	P (1m)	-		
	S (3m)	-		
(Robot Cables	M (5m)	-		
	X06 (6m) ~ X10 (10m)	-		
Special Lengths	hs X11 (11m) ~ X15 (15m)	-		
	X16 (16m) ~ X20 (20m)	-		

- * The cable is a motor-encoder integrated cable, and is provided as a robot cable.
- * See page A-39 for cables for maintenance.

Option List

Name	Option Code	See Page	Standard Price
Brake	В	→ A-25	-
Flange bracket (back)	FLR	→ A-28	-
Foot bracket 1 (base mounting)	FT	→ A-29	-
Foot bracket 2 (right/left side mounting)	FT2/FT4	→ A-31	-
Guide mounting direction	GS2 \sim GS4	→ A-156	_
Reversed-home	NM	→ A-33	-

- * The brake is available for strokes of 70mm or more.
 * Please be sure that the mounting direction of the guide is specified in the
- product name.

 * The guide and the foot bracket cannot be mounted in the same direction.

RCP2-SRGS4R

Actuator Specifications

Item	Description
Drive System	Ball screw ø8mm C10 grade
Positioning Repeatability	±0.02mm
Lost Motion	0.1mm or less
Rod Diameter	ø22mm
Non-rotating accuracy of rod	±0.05 deg
Ambient Operating Temp./Humidity	0 ~ 40°C, 85% RH or less (non-condensing)



4-M6 depth 12

equipped models. (i.e. The brake is not compatible

at 60mm strokes and under.)

ST : Stroke SE : Stroke end ME: Mechanical end







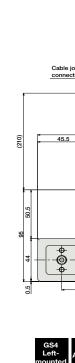


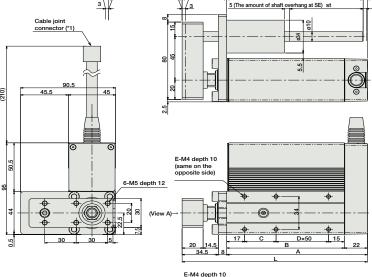
Mini
Standard
Controllers
Integrated
Mini
Standard
Controllers
Integrated
Table/Arm
Flat Type

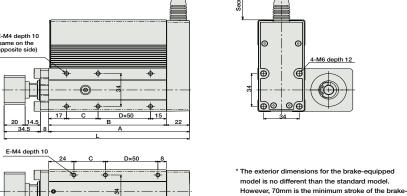
PMEC AMEC PSEP ASEP ASEL ASEL

IAI

156 RCP2-SRGS4R







st+60

■ Dimensions/Weight by Stroke (Add 0.2kg for brake equit

(*1) The motor-encoder cable is connected here. See page A-39 for details on cables (*2) When homing, the rod moves to the mechanical end position; therefore, please watch for any interference with the surrounding objects.

Guide mounting direction (as viewed from view A)

ME SE

	■ Dimensions/Weight by Stroke (Add 0.2kg for brake equipped)											
s.	Stroke	20	30	40	50	60	70	80	90	100	150	200
	L	126.5	136.5	146.5	156.5	166.5	176.5	186.5	196.5	206.5	256.5	306.5
	Α	84	94	104	114	124	134	144	154	164	214	264
	В	62	72	82	92	102	112	122	132	142	192	242
	С	30	40	50	60	70	30	40	50	60	60	60
	D	0	0	0	0	0	1	1	1	1	2	з
	E	4	4	4	4	4	6	6	6	6	8	10
	Weight (kg)	1.2	1.27	1.34	1.41	1.48	1.54	1.61	1.68	1.75	2.09	2.43

The NOF2 series	actuators car	n operate with the con	trollers below. Select the controller acc	cording to your usage	;.				
Name	External View	Model	Description	Max. Positioning Points	Input Voltage	Power Supply Capacity	Standard Price	See Pag	
Solenoid Valve Type	110	PMEC-C-35PI-NP-2-①	Easy-to-use controller, even for beginners		AC100V AC200V	See P481	-	→ P47	
Solenoid valve type	PSEP-C-35PI-NP-2-0	Operable with same signal as solenoid valve. Supports both single and double solenoid types.	3 points			-	→ P4		
Splash-Proof Solenoid Valve Type	D	PSEP-CW-35PI-NP-2-0	No homing necessary with simple absolute type.		E12 points		-	→ P48	
Positioner Type	£	PCON-C-35PI-NP-2-0	Positioning is possible for up to 512 points	512 points			-		
Safety-Compliant Positioner Type		PCON-CG-35PI-NP-2-0	1 ostaoning is possible for up to 512 points				-		
Pulse Train Input Type (Differential Line Driver)	Ó	Ó.	PCON-PL-35PI-NP-2-0	Pulse train input type with differential line driver support	(-)	DC24V	2A max.	-	→ P52
Pulse Train Input Type (Open Collector)		PCON-PO-35PI-NP-2-0	Bulgo train input type with			-			
Serial Communication Type		PCON-SE-35PI-N-0-0	Dedicated to serial communication	64 points			-		
Field Network Type		RPCON-35P	Dedicated to field network	768 points			-	→ P50	
Program Control Type	E	PSEL-C-1-35PI-NP-2-0	Programmed operation is possible Operation is possible on up to 2 axes	1500 points			-	→ P55	

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