



Technical References

ntegrated

Rod
Type

Mini

Standard

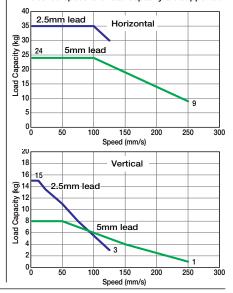
Controllers
Integrated

- (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)	Maximum Push	Stroke
Wiodei	(mm)	Horizontal (kg)	Vertical (kg)	Force (N) (Note 2)	(mm)
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)
Legend: ① Stroke ② Compatible controller ③ Cable length	4 Optio	ns (Note		9 for the pushing for ents over 100mm.	rce graphs.

(Note 3) 50mm increments over 100mm.

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Stroke	$20\sim200$ (10mm increments)
5	250
2.5	125
•	(11-:4 /-

■ Stroke and Maximum Speed

① Stroke List

<u> </u>	
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	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)











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

ME SE st+60 3 (The amount of shaft movement from the ME on the home-side to the home position) 5 (The amount of shaft overhang at SE) st + § -

E-M4 depth 10 (same on the opposite side) 6-M5 depth 12 15 D×50

4-M6 depth 12

Guide mounting direction (as viewed from view A)

E-M4 depth 10

* The exterior dimensions for the brake-equipped model is no different than the standard model. However, 70mm is the minimum stroke of the brakeequipped models. (i.e. The brake is not compatible at 60mm strokes and under.)

ST : Stroke SE : Stroke end ME: Mechanical end

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

(*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.

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	3
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 HOFZ Series	actuators ca	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	1100	PMEC-C-35PI-NP-2-①	Easy-to-use controller, even for beginners		AC100V AC200V	See P481	-	→ P47	
Soletiou valve type		PSEP-C-35PI-NP-2-0	Operable with same signal as solenoid valve. Supports both single and double solenoid types.	3 points			-	→ P487	
Splash-Proof Solenoid Valve Type	1	PSEP-CW-35PI-NP-2-0	No homing necessary with simple absolute type.				-		
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	Positioning is possible for up to 312 points	512 points			-		
Pulse Train Input Type (Differential Line Driver)		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	Pulse train input type with open collector support	(-)			-		
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		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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