



ntegrated

Rod
Type

Mini

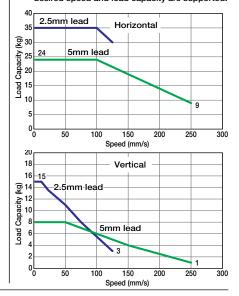
Standard

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.
- The horizontal load capacity is based on the use of an external guide. See the tech 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 Stroke and Maximum Speed Max. Load Capacity (Note 1) Maximum Push Stroke Lead Stroke $20 \sim 200$ (mm) Horizontal (kg) Vertical (kg) 20~200 RCP2-SRGD4R-I-35P-5-1 - 2 - 3 - 4 5 ~ 24 \sim 8 90 5 250 (10mm RCP2-SRGD4R-I-35P-2.5-①-②-③-④ ~ 35 ~ 15 170 2.5 125 (Note 3) (Note 2) See page A-69 for the pushing force graphs (Note 3) 50mm increments over 100mm. (Unit: mm/s) Legend: ① Stroke ② Compatible controller ③ Cable length ④ Options

① Stroke Lis	st
Stroke (mm)	Standard Price
20~50	-
60~100	-
150	-
200	-

T		0-1-1- (
③ Cable	List	

	Туре	Cable Symbol	Standard Price
Standard	P (1m)	-	
ı	(Robot Cables)	S (3m)	-
L		M (5m)	-
Г	Special Lengths	X06 (6m) ~ X10 (10m)	-
1		X11 (11m) ~ X15 (15m)	-
L		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.

4 Option List

Name	Option Code	See Page	Standard Price
Brake	В	→ A-25	-
Foot bracket 1 (base mounting)	FT	→ A-29	-
Reversed-home	NM	→ A-33	_

- * The brake can be used for strokes of 70mm or more.
- * The foot bracket cannot be mounted on the side.

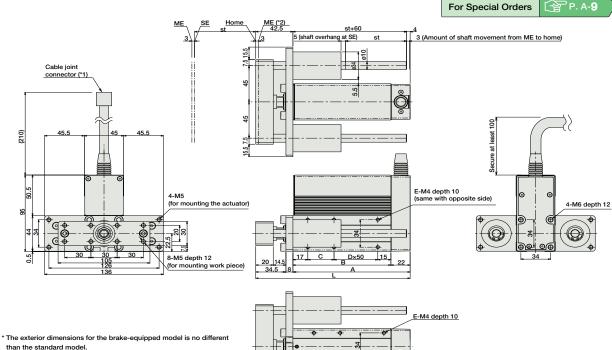
Actuator Specifications

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)

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(*1) The motor-encoder cable is connected here. See page A-39 for

However, 70mm is the minimum stroke of the brake-equipped models. (i.e. The brake is not compatible at 60mm strokes and under.)

Dimensions

details on cables. (*2) When homing, the rod moves to the mechanical end position; therefore, please watch for any interference with the surrounding objects.

24 C	D×50	8	∃				ME : N	itroke stroke en Mechani			
Dimensions/	Weigl	nt by	Strok	е	(+0.2k	g with b	rake)				
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

70

1.47 1.55 1.62 1.7 1.77 1.84 1.92 1.99 2.07 2.44 2.81

50

0 0 0 0

	External View	Model		Max. Positioning Points	Input Voltage			See Pag
Solenoid Valve Type	4114	PMEC-C-35PI-NP-2-①	Easy-to-use controller, even for beginners		AC100V AC200V	See P481	-	→ P47
Solenoid valve Type			Operable with same signal as solenoid valve. Supports both single and double solenoid types.	3 points			-	→ P487
Splash-Proof Solenoid Valve Type		PSEP-CW-35PI-NP-2-0	No homing necessary with simple absolute type.				-	→ P467
Positioner Type	PCON-C-35PI-NP-2-0		Positioning is possible for up to 512	512 points			-	
Safety-Compliant Positioner Type		PCON-CG-35PI-NP-2-0	points	o 12 points	DC24V	2A max.	-	→ P525
Pulse Train Input Type (Differential Line Driver)	Ó	PCON-PL-35PI-NP-2-0	Pulse train input type with differential line driver support	(-)			-	
ulse Train Input Type (Open Collector)		PCON-PO-35PI-NP-2-0	Pulse train input type with open collector support	(-)			-	
Serial Communication Type	1	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

IAI

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Mini
Standard
Controllers integrated
Rod
Type
Mini
Standard
Controllers integrated
Mini
Standard
Mini
Standard

Controllers

PMEC /AMEC
/PSEP /ASEP
/ASEP
/ASEP
/ACON
ACON
SCON
PSEL
ASEL

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