

Technical **全** P. A-**5** References

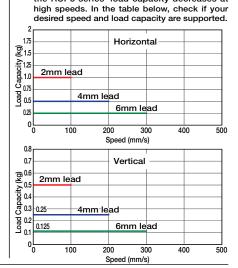
(1) The load capacity is based on operation at an acceleration of 0.2G. This is the upper limit of the acceleration.

(2) The horizontal load capacity is based on the use of an external guide.
If an external force is exerted on the rod from a direction other than the motion of the rod, the detent may become damaged. (3) The maximum pushing force is exerted at 5mm/s.

(4) If the actuator is used in a dusty environment, its service life will become significantly shorter.

(5) This model uses a lead screw. Please ensure that your usage is appropriate for its characteristics. (See page Pre-42 for more information.)

■ Speed vs. Load Capacity Due to the characteristics of the pulse motor, the RCP3 series' load capacity decreases at



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Actuate	or Specifications
■ Lead a	nd Load Canacity

Lead and Load Capacity							
Model	Feed Screw	Lead (mm)	Max. Load Horizontal (kg)		Maximum Push Force (N)	Positioning Repeatability (mm)	Stroke (mm)
RCP3-RA2BC-I-20P-6S-①-②-③-④		6	0.25	0.125			
RCP3-RA2BC-I-20P-4S-①-②-③-④	Lead Screw	4	0.5	0.25	See page A-68.	±0.05	25 ~ 150 (25mm increments)
RCP3-RA2BC-I-20P-2S-1 -2 -3 -4	Screw	2	1	0.5			o.o.nenta)
Legend ① Stroke ② Compatible controller ③	Cable le	ngth 4	Options				

	Stroke and Maximum Speed							
		Lead	Stroke	25 (mm)	50 (mm)	75~150 (mm)		
		ew	6	180	280	300		
		Lead Screw	4	180	200			
"		Les	2		100			
_	(Unit: mm/s							

① Stroke List

<u> </u>	
Stroke (mm)	Standard Price
	Feed Screw
	Lead Screw
25	-
50	-
75	-
100	-
125	-
150	-

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 RCP3 comes standard with a robot cable.

* See page A-39 for cables for maintenance.

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Rod
Type

Mini

Standard

4 Option List			
Name	Option Code	See Page	Standard Price
rake	В	→ A-25	-
eversed-home	NM	→ A-33	_

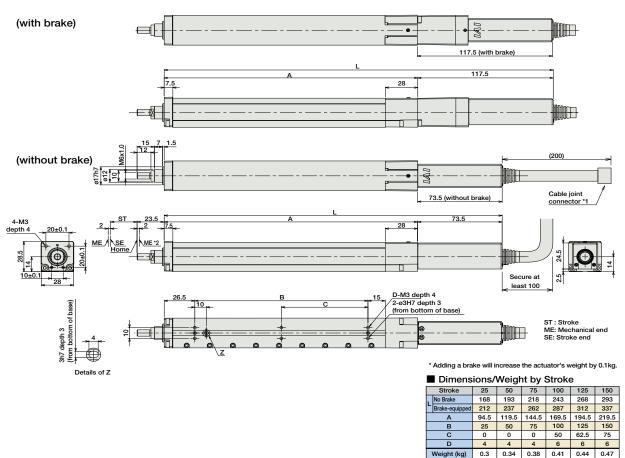
Actuator Specification	ns
Item	Description
Drive System	Lead screw ø6mm C10 grade
Lost Motion	0.3mm or less (initial value)
Base	Material: Aluminum (white alumite treated)
Guide	Sliding guide
Ambient Operating Temp./Humidity	0 ~ 40°C, 85% RH or less (non-condensing)
Service Life	Horizontal: 5 million cycles Vertical: 10 million cycles

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



Name		Model	Description	Max. Positioning Points	Input Voltage	Power Supply Capacity		See Pag		
Solenoid Valve Type	118	PMEC-C-20PI-NP-2-①	Easy-to-use controller, even for beginners		AC100V AC200V	See P481	-	→ P47		
Solelloid valve Type		PSEP-C-20PI-NP-2-0	Operable with same signal as solenoid valve. Supports both single and double solenoid types.		3 points) points		-	→ P48	
Splash-Proof Solenoid Valve Type		PSEP-CW-20PI-NP-2-0	No homing necessary with simple absolute type.					-	71401	
Positioner Type		PCON-C-20PI-NP-2-0	Positioning is possible for up to 512	512 points (-) 64 points 768 points			-			
Safety-Compliant Positioner Type		PCON-CG-20PI-NP-2-0	points				-			
Pulse Train Input Type (Differential Line Driver)	Ó	PCON-PL-20PI-NP-2-0	Pulse train input type with differential line driver support			()	DC24V	2A max.	-	→ P52
Pulse Train Input Type (Open Collector)		PCON-PO-20PI-NP-2-0	Pulse train input type with open collector support				-			
Serial Communication Type		PCON-SE-20PI-N-0-0	Dedicated to serial communication				-			
Field Network Type		RPCON-20P	Dedicated to field network				-	→ P50		
Program Control Type		PSEL-C-1-20PI-NP-2-0	Programmed operation is possible Operation is possible on up to 2 axes	1500 points	1			-	→ P557	

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* This is for the single-axis PSEL

 * (1) is a placeholder for the power supply voltage (1: 100V, or 2: 100 \sim 240V).

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

PMEC AMEC PSEP ASEP ASEP ASEP ASED PCON ACON PSEL ASEL SSEL