Controllers
Integrated

Rod
Type

Mini

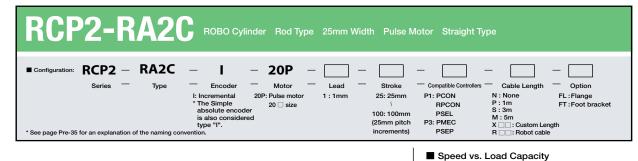
Standard

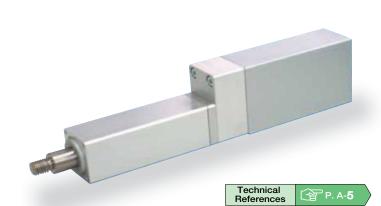
Controllers
Integrated

Table/Arr
/Flat Typ

Mini

Standard





(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 0.05G.
0.05G is the upper limit of the acceleration.
In addition, 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.

the RCP2 series' load capacity decreases at high speeds. In the table below, check if your desired speed and load capacity are supported.

Horizontal

Horizontal

Timm lead

Tolday

Speed (mm/s)

Speed (mm/s)

Timm lead

Vertical

Timm lead

Timm lead

Tolday

Vertical

Timm lead

Timm lead

Tolday

15

20

25

30

(Unit: mm/s)

Due to the characteristics of the pulse motor,

Actuator Specifications ■ Lead and Load Capacity Stroke and Maximum Speed 25 ~ 100 (25mm incremen Max. Load Capacity Maximum Push Stroke Horizontal (kg) Vertical (kg) $25 \sim 100$ RCP2-RA2C-I-20P-1-10-20-30-4 2.5 100 (25mm 25 increments) Legend: ① Stroke ② Compatible controller ③ Cable length ④ Options (Note 1) See page A-69 for the pushing force graphs.

① Stroke List			
Stroke (mm)	Standard Price		
25	-		
50	-		
75	-		
100	-		

	3 Cable List					
Cable Symbol	Standard Price					
P (1m)	-					
S (3m)	-					
M (5m)	-					
X06 (6m) ~ X10 (10m)	-					
X11 (11m) ~ X15 (15m)	-					
X16 (16m) ~ X20 (20m)	-					
R01 (1m) ~ R03 (3m)	-					
R04 (4m) ~ R05 (5m)	-					
R06 (6m) ~ R10 (10m)	-					
R11 (11m) ~ R15 (15m)	-					
R16 (16m) ~ R20 (20m)	-					
	P (1m) S (3m) M (5m) X06 (6m) ~ X10 (10m) X11 (11m) ~ X15 (15m) X16 (16m) ~ X20 (20m) R01 (1m) ~ R03 (3m) R04 (4m) ~ R05 (5m) R06 (6m) ~ R10 (10m) R11 (11m) ~ R15 (15m)					

* See page A-39 for cables for maintenance.

5 10

② Cable List

4 Option List			
Name	Option Code	See Page	Standard Price
Flange	FL	→ A-27	-
Foot bracket	FT	→ A-29	-

Actuator Specifications				
Item	Description			
Drive System	Ball screw ø6mm C10 grade			
Positioning Repeatability	±0.02mm			
Lost Motion	0.1mm or less			
Rod Diameter	ø12mm			
Non-rotating accuracy of rod	±2.1 deg			
Ambient Operating Temp./Humidity	0~40°C, 85% RH or less (non-condensing)			

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For Special Orders

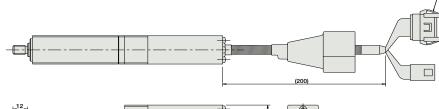


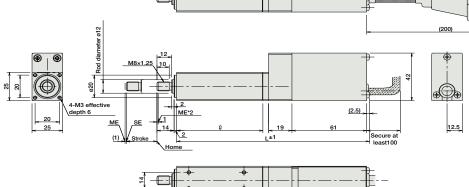
Cable joint connector *1

The motor-encoder cable is connected here See page A-39 for details on cables.

When homing, the rod moves to the ME; therefore, please watch for any interference with the surrounding objects.
ME: Mechanical end SE: Stroke end

Do not apply any external force on the rod from any direction other than the direction of the rod's motion. If a force is exerted on the rod in a perpendicular or rotational direction, the detent may become damaged.





■ Dimensions/Weight by Stroke

		-	•	
Stroke	25	50	75	100
R	70	95	120	145
L	157.5	182.5	207.5	232.5
P	45	70	95	120
Weight (kg)	0.4	0.5	0.6	0.7

②Compatible Controllers

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Name	External View	Model	Description	Max. Positioning Points	Input Voltage	Power Supply Capacity	Standard Price	See Pag			
Solenoid Valve Type		PMEC-C-20PI-NP-2-①	Easy-to-use controller, even for beginners		AC100V AC200V	See P481	-	→ P477			
Sciencia valve Type	1	PSEP-C-20PI-NP-2-0	Operable with same signal as solenoid valve. Supports both single and double solenoid types.	3 points			-	→ P48			
Splash-Proof Solenoid Valve Type	D	PSEP-CW-20PI-NP-2-0	Supports both single and double solenoid types. No homing necessary with simple absolute type.				-	→ P487			
Positioner Type	PCON-C-20PI-NP-2-0	Positioning is possible for up to 512 points	540			-					
Safety-Compliant Positioner Type		PCON-CG-20PI-NP-2-0	Positioning is possible for up to 312 points	(-) 64 points 768 points	512 points	512 points	512 points			-	
Pulse Train Input Type Differential Line Driver)	έĬ	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	Ĩ	PCON-SE-20PI-N-0-0	Dedicated to serial communication				-				
Field Network Type		RPCON-20P	Dedicated to field network				-	→ P50			
Program Control Type	Ñ	PSEL-C-1-20PI-NP-2-0	Programmed operation is possible Operation is possible on up to 2 axes	1500 points			-	→ P58			

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

IAI



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

PMEC /AMEC PSEP /ASEP ROBO NET ERC2 PCON ACON PSEL ASEL SSEL