* See page Pre-35 for an explanation of the naming convention.





When the stroke increases, the maximum speed will drop to prevent the ball screw from reaching the critical rotational speed. Use the actuator specification table below to check the maximum speed at the stroke you desire. 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.

The load capacity is based on operation at an acceleration of 0.2G. 0.2G is the upper limit of the acceleration. In addition, the horizontal load capacity is based on the use of an external guide. See the technic the allowable weight using the supplied guide alone

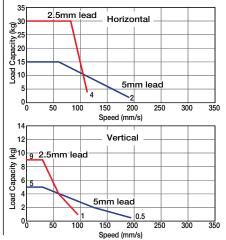
■ Speed vs. Load Capacity

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.

N: None
P: 1m
S: 3m
M: 5m
X : Custom
R : Robot cable

Option

FT : Foot bracket NM: Reversed-home



Actuator Specifications ■ Lead and Load Capacity (Note 1) Please note that the maximum load capacity decreases as the speed increases. Max. Load Capacity (Note 1) Maximum Push Stroke Lead Horizontal (kg) Vertical (kg) (mm) RCP2-RGD3C-I-28P-5-①-②-③-④ 5 \sim 15 \sim 5 $50 \sim 200$ (50mm RCP2-RGD3C-I-28P-2.5-①-②-③-④ increments) ~ 30 ~ 9 156.8 Legend: ① Stroke ② Compatible controller ③ Cable length ④ Options (Note 2) See page A-69 for the pushing force graphs

		- · · · · · · · · · · · · · · · · · · ·
	Stroke Lead	$50\sim 200$ (50mm increments)
	5	187
	2.5	114 <93>
_		(I Init: mm/s)

■ Stroke and Maximum Speed

Stroke List

Stroke (mm)	Standard Price
50	-
100	-
150	-
200	

O Cabic List

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

^{*} See page A-39 for cables for maintenance.

	Servo Motor (24V)
(241)	(24V)
	(= 1)

Option List			
Name	Option Code	See Page	Standard Price
Foot bracket	FT	→ A-29	-
Reversed-home	NM	→ A-33	-

Actuator Specifications	
Item	Description
Drive System	Ball screw ø8mm C10 grade
Positioning Repeatability	±0.02mm
Lost Motion	0.1mm or less
Guide	Double guide Guide rod diameter ø10mm Ball bush type
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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For Special Orders



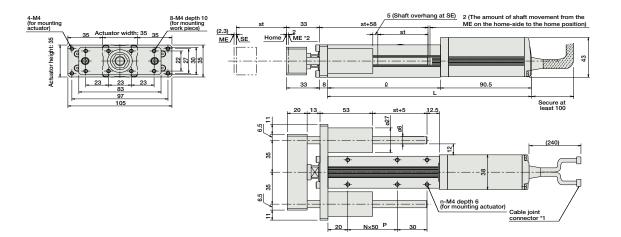
The motor-encoder cable is connected here See page A-39 for details on cables.

When homing, the rod moves to the M.E.; therefore, please watch for any interference with the surrounding objects.

ME: Mechanical end

SE: Stroke end

The values enclosed in "()" are reference dimensions.



■ Dimensions/Weight by Stroke

Stroke	50	100	150	200
Ł	112.5	162.5	212.5	262.5
L	203	253	303	353
N	1	2	3	4
n	6	8	10	12
Weight (kg)	1.1	1.3	1.4	1.6

The RCP2 series	s actuators ca	an operate with the con	rollers below. Select the controller ac	cording to your usage						
Name	External View	Model	Description	Max. Positioning Points	Input Voltage	Power Supply Capacity	Standard Price	See Page		
Salanaid Valva Tuna		PMEC-C-28SPI-NP-2-①	Easy-to-use controller, even for beginners		AC100V AC200V	See P481	-	→ P477		
Solenoid Valve Type	PSEP-C-28SPI-NP-2-0 PSEP-CW-28SPI-NP-2-0	Operable with same signal as solenoid valve.	3 points			-	. 2407			
Splash-Proof Sole- noid Valve Type		PSEP-CW-28SPI-NP-2-0	Supports both single and double solenoid types. No homing necessary with simple absolute type.				-	→ P487		
Positioner Type		PCON-C-28SPI-NP-2-0	Positioning is possible for up to 512 points	512 points					-	
Safety-Compliant Positioner Type		PCON-CG-28SPI-NP-2-0	r controlling to possible for up to 312 points	OTZ POINTS			-			
Pulse Train Input Type Differential Line Driver)		PCON-PL-28SPI-NP-2-0	Pulse train input type with differential line driver support	()	DC24V	DC24V	DC24V 2A max.	-	→ P525	
Pulse Train Input Type (Open Collector)		PCON-PO-28SPI-NP-2-0	Pulse train input type with open collector support	(-)	(-)	(-)			-	
Serial Communica- tion Type	Í	PCON-SE-28SPI-N-0-0	Dedicated to serial communication	64 points			-			
Field Network Type		RPCON-28SP	Dedicated to field network	768 points			-	→ P503		
Program Control Type	E	PSEL-C-1-28SPI-NP-2-0	-2-0 Programmed operation is possible Operation is possible on up to 2 axes	1500 points			-	→ P557		

IAI

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