

Single Axis Robots RSD2 - Rod Type -



See notes on CE Marking. P456

Controller

Actuator
(Straight)

Actuator
(Motor Left Side Mount)

Cable

Instruction Manual CD-ROM

Components: Actuator, Controller, Cable

Accessory

Controller I/O Specifications			
	NPN, PNP	CC-Link	DeviceNet
A Accessory	Instruction Manual (CD-ROM), Power Connector, Dummy Connector, 6 Mounting Nuts		
		CC-Link Connector	DeviceNet Connector

Robot Material / Surface Treatment

Components	Body	Rod	Cover
M Material	Aluminum	Steel	ABS
S Surface Treatment	Acrylic Paint	-	-

General Specifications

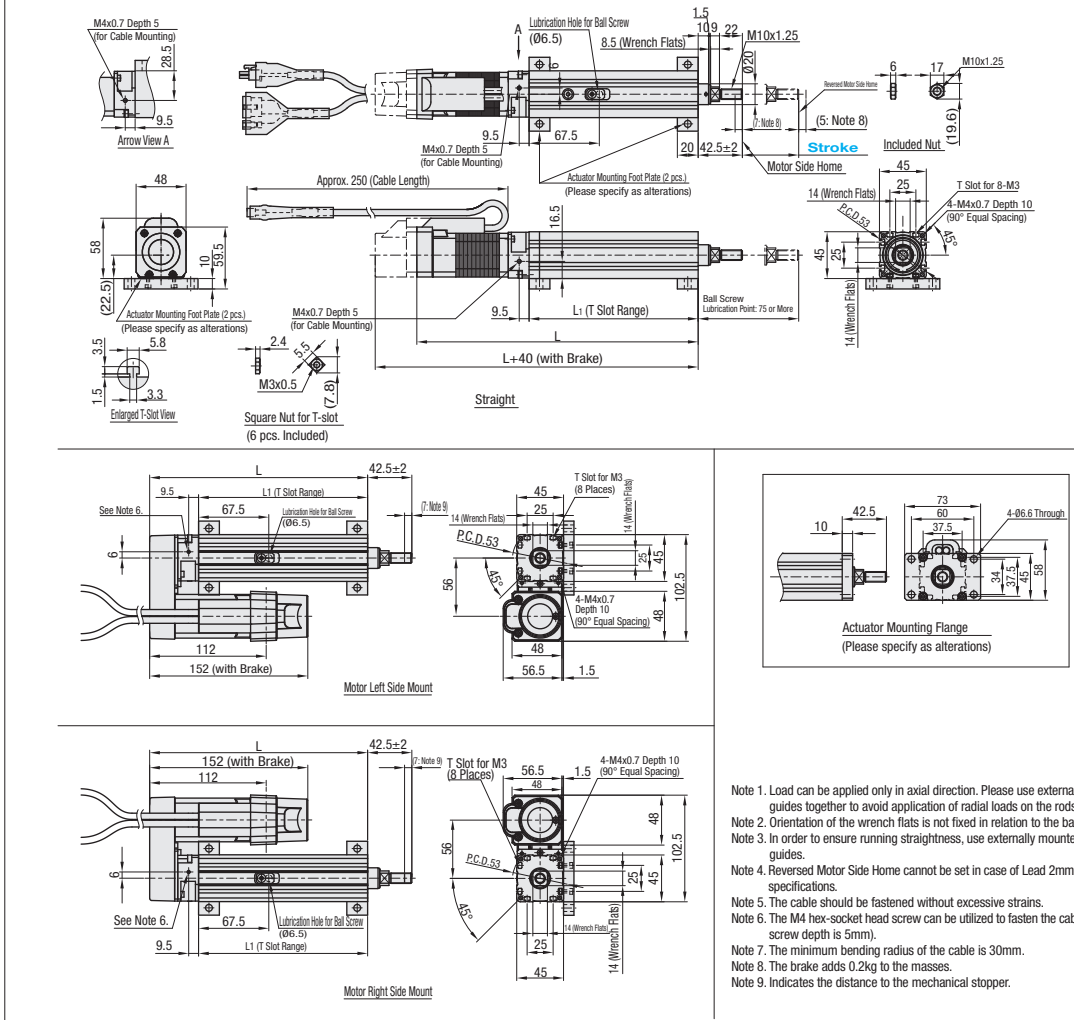
Ball Screw	Motor	Position Detector	Operating Ambient Temperature, Humidity
Ø8 (C10 Rolled)	Stepping	Resolver (Incremental)	0-40°C, 35-85%RH (No Condensation)

Controller Specifications P497-506

Standard Specifications FAQ P503

Type	Lead (mm)	Positioning Repeatability (mm)	Max Load Capacity (kg)		Max. Push Force (N)	Rated Running Life (1)	Lost Motion (mm)	Rod Non-Rotational Accuracy (degrees)	Stroke (mm)	Max. Velocity (2) (mm/sec)	Input Power Supply	Maximum Positioning Point	
			Horizontal	Vertical									
RSD2	02	±0.02	45	25	600	5,000km or More	0.1 or Less	±1.0	50-300 (50 Pitch)	~80	DC24V ±10%	255 points	
	06		40	12									300
	12		25	5									150

1. The service life in the vertical use may vary depending on the load capacity. Please refer to the "Service Life Table." 2. The maximum velocities may vary depending on the load capacity. Please refer to the "Velocity - Maximum Load Capacity Table."



Dimensions / Mass

Type	Dimensions / Mass	Motor Mounting Direction: Straight						Motor Mounting Direction: R/L					
		Stroke (mm)						Stroke (mm)					
		50	100	150	200	250	300	50	100	150	200	250	300
RSD2	L1 (mm)	162.5	212.5	262.5	312.5	362.5	412.5	162.5	212.5	262.5	312.5	362.5	412.5
	L (mm)	270.5	320.5	370.5	420.5	470.5	520.5	209.5	259.5	309.5	359.5	409.5	459.5
	Mass (kg)(Note 8)	1.4	1.7	1.9	2.2	2.4	2.7	1.6	1.9	2.1	2.4	2.6	2.9

The brake adds 0.2kg to the total mass.

Type	Part Number		Motor Mounting Direction	Controller (2)	Selection		
	Lead (mm)	With or w/o Brake (1)			I/O Module	Cable Length (m)	Stroke (mm)
RSD2	02	None: Leave blank Included: B	Straight: Leave blank Right Side Mount: R Left Side Mount: L	Point Control: C1 Pulse Control: P1 (DC24V ±10%)	NPN: N PNP: P CC-Link: C DeviceNet: D	1 3 5 10 (Flexible Cable)	50-300 (50mm Increment)
	06						
	12						

(1) Choose the "Brake" option for use in vertical applications. (2) When the pulse train type controller is selected, the I/O type selection is not required.

Ordering Example

Part Number	Motor Mounting Direction	Controller	I/O Module	Cable Length	Stroke
RSD206B	L	C1	N	3	200
RSD206B	-	C1	N	3	200
RSD206B	L	P1	-	3	200

(Motor Mounting Direction: L)
(Motor Mounting Direction: Straight)
(Motor Mounting Direction: L, Controller: P1)

Robot Body Price

Part Number	Unit Price 1 ~ 3 pc(s).					
	Stroke (mm)					
RSD2	50	100	150	200	250	300
RSD2	B					

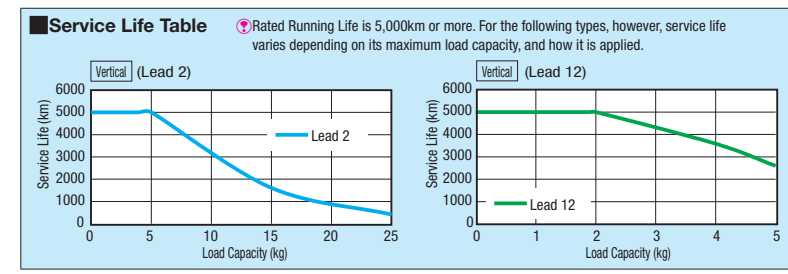
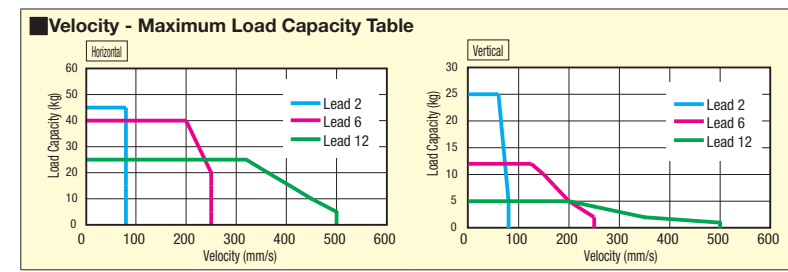
Controller Price

Type	I/O Module	Unit Price 1 ~ 3 pc(s).
C1	N	
	P	
	C	
	D	
P1	-	

Cable Price

Cable Length (m)	Unit Price 1 ~ 3 pc(s).
1	
3	
5	
10	

Note
Power interruption circuit is not provided in this controller in order to provide maximum flexibility for customer specific safety scheme. Please be sure to provide an external power interruption circuit and form an emergency stop circuit. For Circuit examples, see P503



Alterations	Part Number: RSD2B - L - C1 - N - 3 - 200 - G-E									
	Handset Terminal Standard Specification	Handset Terminal w/ Deadman's Switch	Support Software w/ USB Communication Cable	Support Software w/ B-Sub Communication Cable	I/O Cable	Cable for daisy-chain connection	Instruction Manual MJ5: Body KJ3: Controller (C1) KJ4: Controller (P1)	Main Body Plastic Color Alterations	Actuator Mounting Foot Plate	Actuator Mounting Flange
Code	H	D	S	R	T/TP	C	MJ5/KJ3/KJ4	BC	HP	VP
Spec.	Handset Terminal is included. Specifications P503, 507	Handset Terminal w/ Deadman's Switch is included. Specifications P503, 507	Support Software w/ USB Communication Cable is included. Specifications P503, 507	Support Software w/ B-Sub Communication Cable is included. Specifications P507	I/O Cable is included. Required for NPN/PNP configurations. Specifications P507	A cable to connect multiple controllers. Up to 16 controllers can be connected. Specifications P507	Operation Manual is included. For Actuator MJ5: For Controller KJ3: KJ4:	Change the actuator plastic parts color to black.	2 plates are included for horizontal mounting. Specifications P507	1 plate is included for vertical mounting. Specifications P507

For optional items, see P507. It is more economical to order the optional items as alterations than purchasing them individually. Entering point data requires the handy terminal or the support software. An I/O Cable is required for Parallel Communication I/O Control. For details on daisy-chain, see P505. Please select the correct I/O cable type for the appropriate controller type.