

Single Axis Robots RS2 - Motor Folded -

Controller Specifications P.497-506

Components: Actuator, Controller, Cable

Accessory

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

Robot Material / Surface Treatment

Components	Guide Rail	Slider	Side Cover
Material	Steel	Aluminum	Aluminum
Surface Treatment	-	-	Anodize

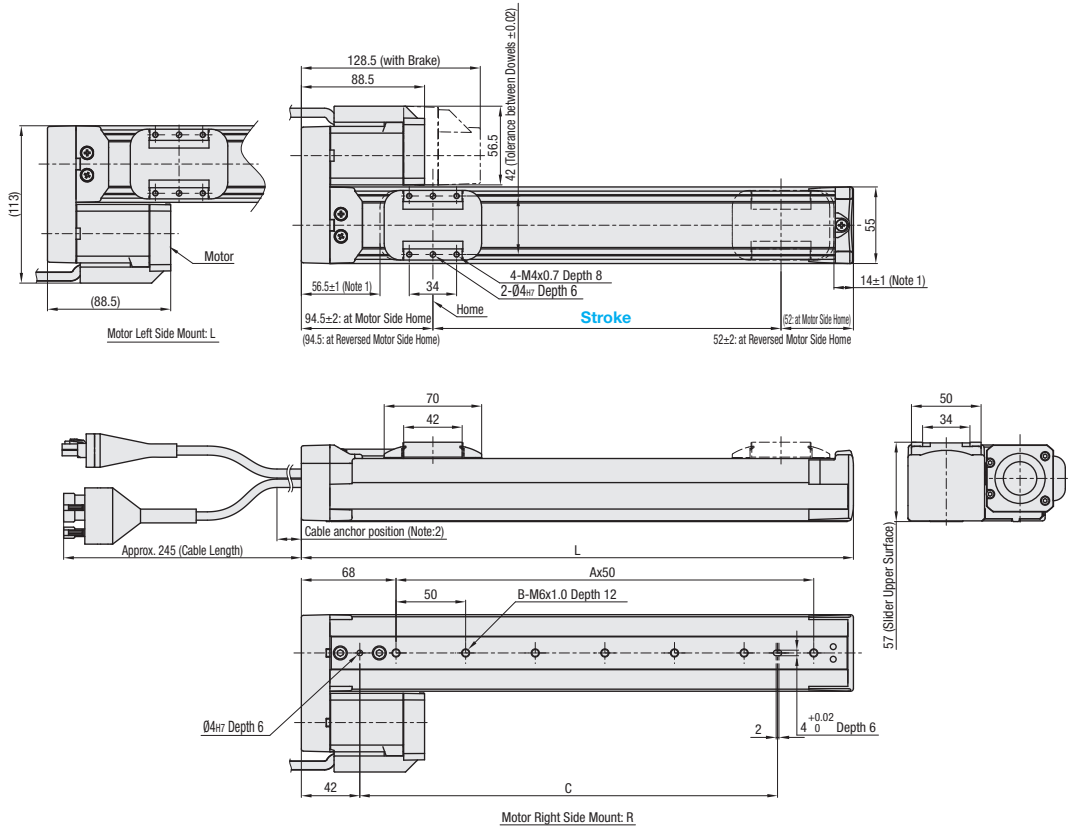
General Specifications

Ball Screw	Motor	Position Detector	Operating Ambient Temperature, Humidity
Ø12 (C10 Rolled)	Stepping	Resolver (Incremental)	0~40°C, 35~85%RH (No Condensation)

Standard Specifications P.504

Type	Lead (mm)	Positioning Repeatability (mm)	Max Load Capacity (kg)		Max. Push Force (N)	Stroke (mm)	Max. Velocity (Note) (mm/sec)	Rated Running Life	Input Power Supply	Maximum Positioning Point
			Horizontal	Vertical						
RS2	06	±0.02	10	2	90	50~800 (50 Pitch)	300~190 600~380 1000~633	10,000 km or More	DC24V ±10%	255 points
	12		6	1	45					
	20		4	-	27					

(Note) Maximum velocities allowed may vary depending on the stroke length selected. Please refer to the "Recommended Maximum Velocities" table.



- Note 1. Distances from the ends to the mechanical stoppers
- Note 2. The cables should be tied down within 80mm from the ends of the unit avoiding any stress to the cables.
- Note 3. The minimum bending radius of the cable is 30mm.
- Note 4. These masses are for units without brakes. With brakes, they are 0.2kg heavier.
- Note 5. When the stroke is 600mm or more, the resonance of ball screws may occur according to the operating area (critical speed). In such cases, reduce the programmed operational speeds by referring to the maximum velocities shown in the table on the left.
- Note 6. Belt cover is not right-left symmetrical. If the motor mounting orientation is changed, the belt cover can not be reinstalled.

Dimensions / Mass

Type	Dimensions / Mass	Stroke (mm)															
		50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
RS2	L (mm)	196.5	246.5	296.5	346.5	396.5	446.5	496.5	546.5	596.5	646.5	696.5	746.5	796.5	846.5	896.5	946.5
	A (mm)	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
	B (mm)	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
	C (mm)	100	150	200	250	300	350	400	450	500	500	500	500	500	500	500	500
	Mass (kg)	1.6	1.8	2	2.2	2.4	2.6	2.8	3	3.2	3.4	3.6	3.8	4	4.1	4.3	4.5