

# Single Axis Robots RS2 - Straight



Actuator

Controller

Cable

Instruction Manual CD-ROM

Black plastic specification is applied to the main body.  
(Please specify as alterations)

**Components:** Actuator, Controller, Cable

**Accessory**

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

**Robot Material / Surface Treatment**

Components	Guide Rail	Slider	Side Cover
M	Steel	Aluminum	Aluminum
S	-	-	Anodize

**General Specifications**

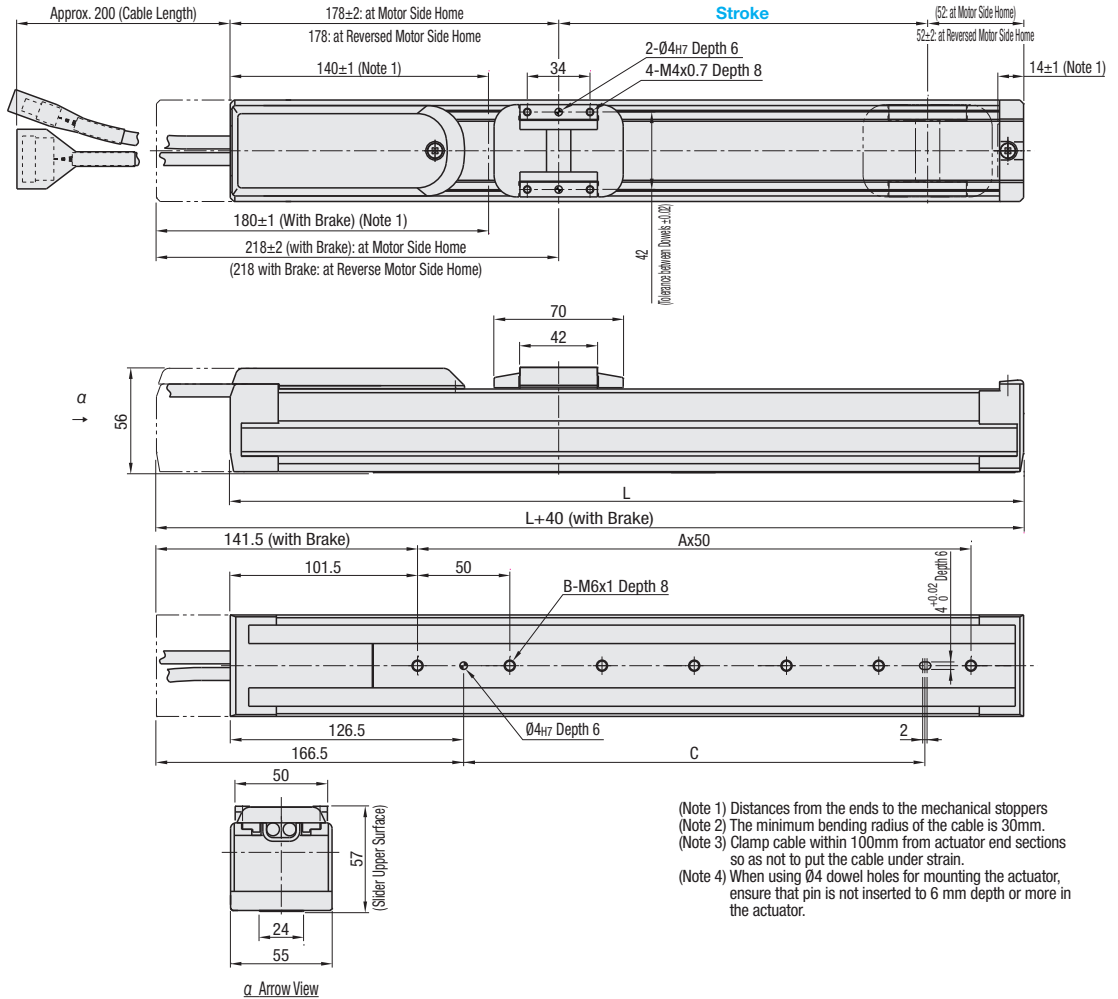
Ball Screw	Motor	Position Detector	Operating Ambient Temperature, Humidity
Ø12 (C10 Rolled)	Stepping	Resolver (Incremental)	0-40°C, 35-85%RH (No Condensation)

Controller Specifications P497-506 Cycle Time Graph P455 Clean Room Specifications are available on our website.

**Standard Specifications** P504

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						
	20		4	-						

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



**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)	280	330	380	430	480	530	580	630	680	730	780	830	880	930	980	1030
	A (mm)	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
	B (mm)	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
	C (mm)	100	150	200	250	300	350	400	450	500	500	500	500	500	500	500	500
	Mass (kg)	2.1	2.3	2.5	2.7	2.8	3.0	3.2	3.4	3.6	3.8	4.0	4.2	4.4	4.6	4.8	5.0