Vertical/Rotational Axis Integrated Type, Compact type, 100W ■ Model S - Encoder Type - Motor Type - Z-axis lead - Z-axis stroke - Applicable Series Type - Cable Length -N: None B: Brake (standard feature) S: 3m M: 5m X□□: Specified Length 100:100W 16:16mm 150:150mm T2:XSEL A: Absolute L: Limit switch I: Incremental (standard feature on rotational axis)

Models/Specifications

	Axis		Motor	Oberation	Positioning	Maximum Operating	Loading Capacity (kg)		()		Rotational Axis Allowable load	
Model	Configuration	Encoder Type	Capacity (W)	Range	Repeatability (mm)	Speed (note 1)	Rated (note 2)	Max (note 2)	Push motion operation (note 3)	(note 3)	Allowable inertial moment (kg·m²)(note 4)	Allowable torque (N·m)
′R-S- ဩ -100-16-150-T2- ② -B-L	Vertical axis	Absolute	100	150mm	±0.010	1005mm/s	1	,	74.8	107	0.015	1.9
	Rotational axis	Incremental	100	±360°	±0,005	2200°/s		3				

^{*} In the above model name, (1) indicates the encoder type, while (2) indicates the cable length

Options

Name Option code		Remarks			
Brake	В	Standard feature on vertical axis/rotational axis			
Home Limit Switch	L	Standard feature on rotational axis			

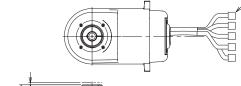
* The following adjustment jig (sold separately) is required for the absolute specification. Absolute reset adjustment jig (model: JG-ZRS)

Actuator Specifications

Encoder type	Absolute / Incremental		
Actuator weight	5.5kg		
Applicable controller	T2: XSEL-P/Q		
Cable Length (note 5)	N : No cable, S : 3m, M : 5m, X□□ : Specified length		
Ambient operating temp/humidity	Temperature 0 to 40°C, Humidity 20 to 85% RH max. (non-condensing)		

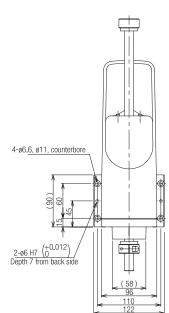
Dimensions

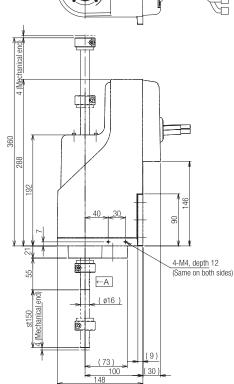


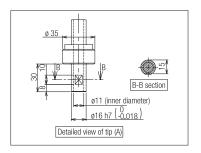


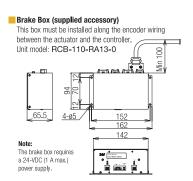
Cable joint connector (*1)

(*1) This connector is used to connect the motor cable, encoder cable and limit switch cable of the vertical axis/rotational axis.









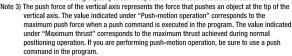
When this unit is combined with a cartesian robot, reduce the speed and acceleration if the actuator is to be moved with the vertical axis lowered.

Applicable Controller Specifications

Applicable Controller	Max number of controlled axes	Connectable encoder type	Operating method	Power-supply voltage
X-SEL-P/Q	6 axes	Absolute/incremental	Program	Single-phase/3-phase 200 VAC

Caution

(Note 1) Based on PTP command operation.
(Note 2) The rated loading capacity assumes operation at an acceleration/deceleration of 0.3G, while the maximum loading capacity assumes operation at an acceleration/deceleration of 0.1G. (Note 3) The push force of the vertical axis represents the force that pushes an object at the tip of the



(Note 4) Allowable inertial moment converted to an equivalent value at the center of the rotational axis The actual value may be lower depending on the conditions of use.

(Note 5) The maximum cable length is 30m. Specify a desired length in meters. (Example X08 = 8m)