

# Single Axis Robots RSF4 - Straight Width Space-saving type

When placing order, select part numbers and values by proceeding through Selection Steps ①~⑦.



Ordering Example

Part Number (Type, ① Lead, ② With or w/o Brake) - ③ Controller - ④ I/O Module - ⑤ Nose Filter - ⑥ Cable - ⑦ Stroke  
**RSF420B** - **C22A** - **N** - **F1** - **3** - **200**

④ To order actuators with the Recovery Equipment, insert the "-RGT" text after the stroke value.

Actuator  
Controller  
Power Cable  
Signal Cable  
Instruction Manual CD-ROM

Controller Specifications P.103~112

**Components:** Actuator, Controller, Cable, (Battery), (Noise Filter)

**Accessory**

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

**Robot Material / Surface Treatment**

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

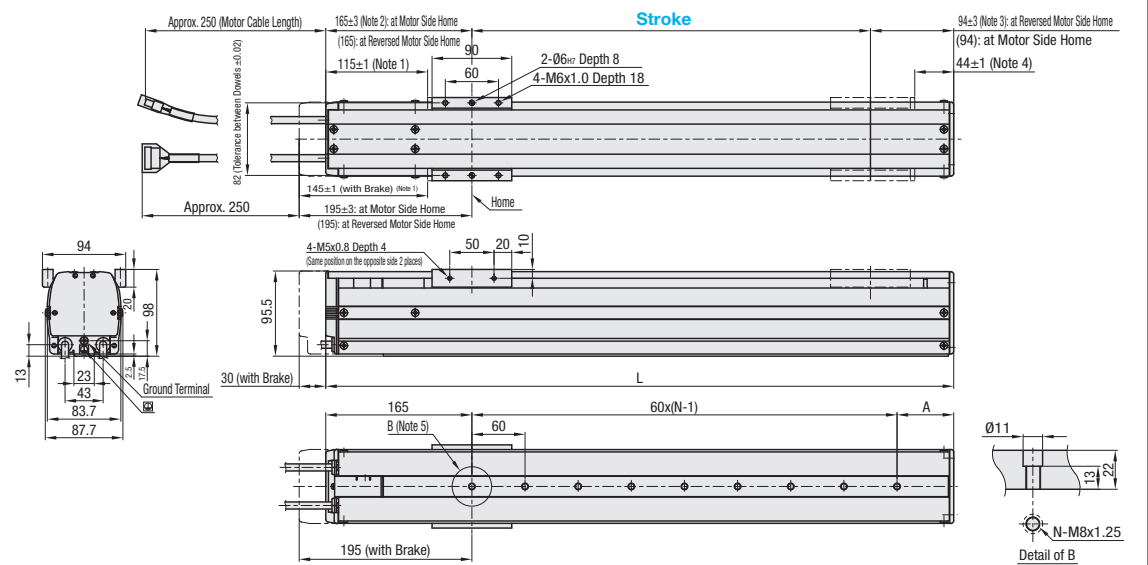
**General Specifications**

Ball Screw	Motor	Position Detector	Operating Ambient Temperature, Humidity
Ø15 (C7 Rolled)	AC Servo 100W	Resolver	0~40°C, 35~85%RH (No Condensation)

**Standard Specifications** FAQ P.110

Type	Lead (mm)	Repeatability (mm)	Max. Load Capacity (kg)		Rated Force (N)	Max. Velocity (Note) (mm/sec)	Stroke (mm)	Rated Running Life	Controller Input Power Supply	Maximum Positioning Point
			Horizontal	Vertical						
RSF4	05	±0.01	80	20	339	~ 300	150~1050 (50 Pitch)	10,000 km or More	Single-phase AC 100~115V 200~230V ±10%	255 points
	10		55	10	169	~ 600				
	20		30	4	84	~1200				
	30		15	-	56	~1800				

(Note) Maximum velocities allowed may vary depending on the stroke length selected. Please refer to the "Max. Velocity" table on the next page.



- Note 1. Mechanical stopper position from the ends.
- Note 2. For Large Lead Type (Lead 30), 167.5±4.
- Note 3. For Large Lead Type (Lead 30), 94±4.
- Note 4. For Large Lead Type (Lead 30), 41.5±1.
- Note 5. When mounting, washers cannot be used in Ø11 counter bored holes.
- Note 6. The minimum bending radius of the motor cable is 50mm.