

# Single Axis Robot RSH3 - Straight



■ Components: Actuator, Controller, Cable, (Battery), (Noise Filter)  
 ■ Accessory

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
M Material	Aluminum	Steel	Aluminum	Aluminum
S Surface Treatment	Anodize	-	Anodize	Anodize

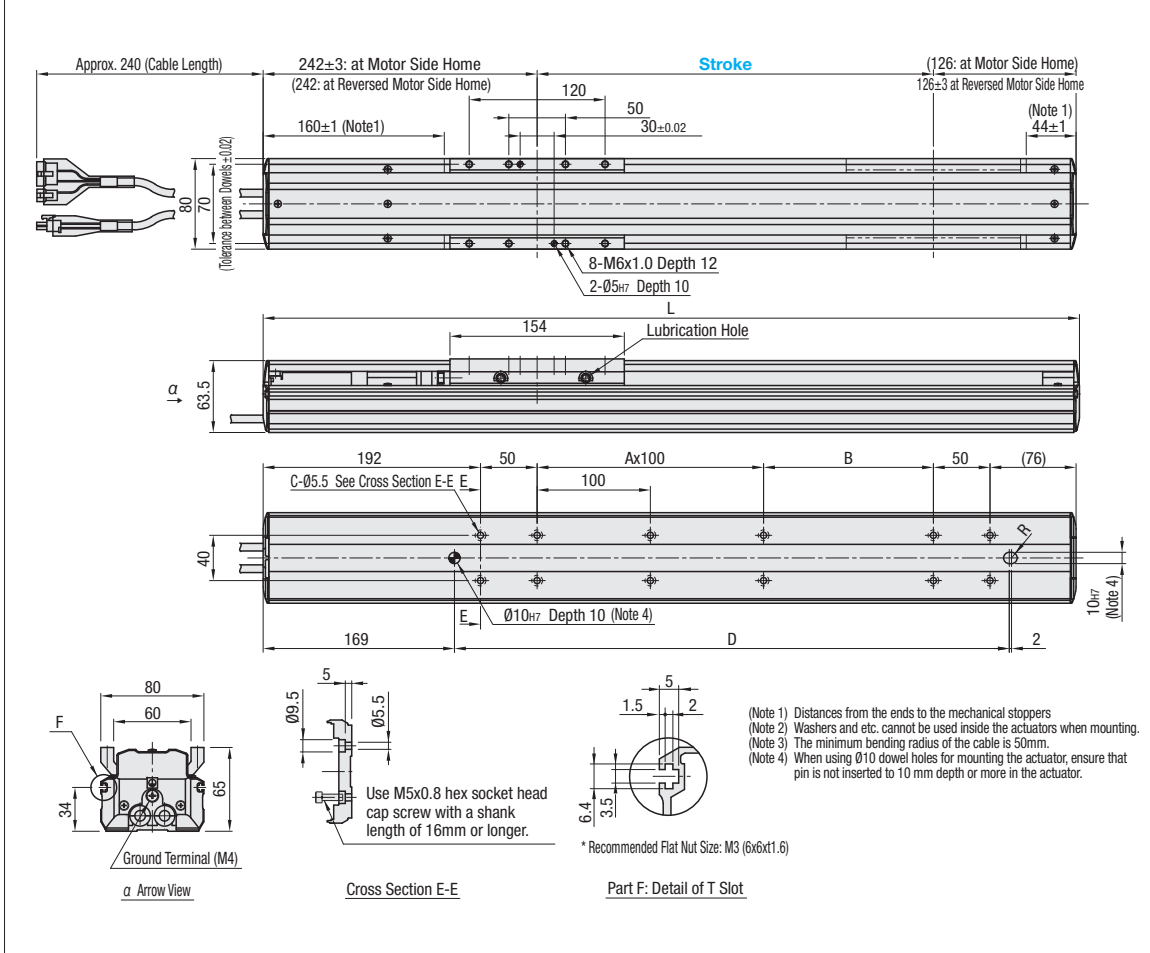
■ General Specifications

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.504](#)

Type	Lead (mm)	Positioning Repeatability (mm)	Max Load Capacity (kg)	Rated Force (N)	Max. Velocity (Note) (mm/sec)	Stroke (mm)	Rated Running Life	Input Power Supply	Maximum Positioning Point
RSH3	05	±0.01	80	339	300~105	150~1050 (50 Pitch)	10,000 km or More	AC100~115V AC200~230V ±10%	255 points
	10		60	169	600~210				
	20		30	84	1200~420				

(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)																			
		150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	
RSH3	L (mm)	518	568	618	668	718	768	818	868	918	968	1018	1068	1118	1168	1218	1268	1318	1368	1418	
	A (mm)	0	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	
	B (mm)	150	100	150	100	150	100	150	100	150	100	150	100	150	100	150	100	150	100	150	100
	C (mm)	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26	26
	D (mm)	290	340	390	440	490	540	590	640	690	740	790	840	890	940	990	1040	1090	1140	1190	
	Mass (kg)	4.7	5.0	5.3	5.6	5.9	6.2	6.6	6.9	7.2	7.5	7.8	8.1	8.4	8.7	9.0	9.3	9.7	10.0	10.3	