

RS Series Single Axis Robot - Lineup / Spec List

Slapping Motor Specifications

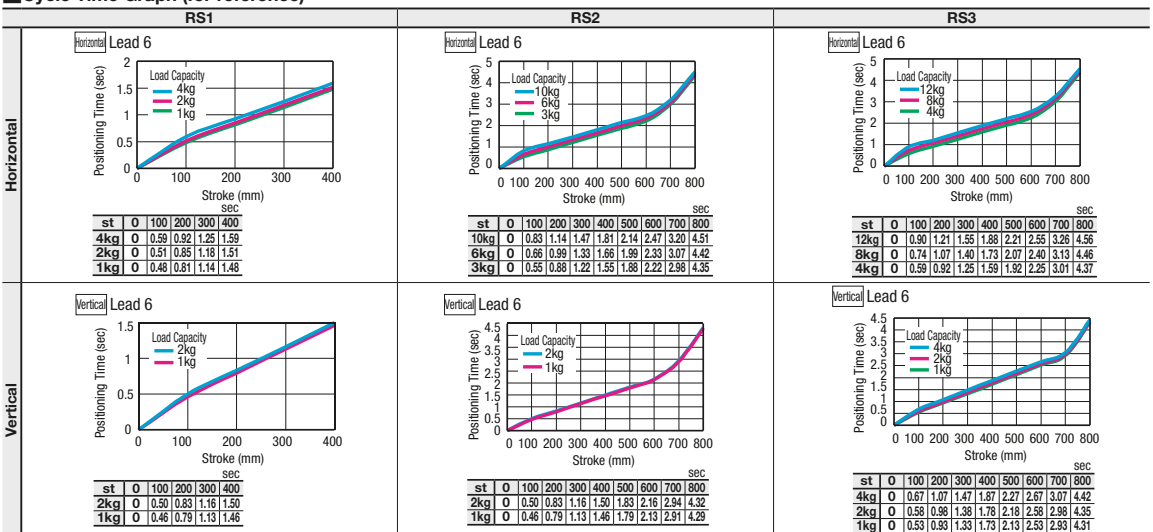
Slider Type

Motor Direction	Type	Lead	Maximum Load Capacity Mass (kg)		Max. Push Force (N)	Max. Velocity (mm/sec) * Values in the list are the Max. Velocity																Environmental Spec.	Position Detector	Controller Input Power Supply	Page				
			Horizontal	Vertical		Stroke (mm)																							
						50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800								
Straight	RS1 RS1C	2	6	4	150	100																Standard / Clean	Resolver Incremental Type	DC24V (±10%)	P457				
		6	4	2	90	300																							
		12	2	1	45	400~600																							
	RS2 RS2C	6	10	2	90	300																			280	250	220	190	P461
		12	6	1	45	400~600																			560	500	440	380	
		20	4	-	27	350~1000																			933	833	733	633	
	RS3 RS3C	6	12	4	120	300																			280	250	220	190	P465
		12	8	2	60	420~600																			560	500	440	380	
		20	6	-	36	350~1000																			933	833	733	633	
Folded	RS1	2	6	4	150	100																Standard	Resolver Incremental Type	DC24V (±10%)	P459				
		6	4	2	90	300																							
		12	2	1	45	400~600																							
	RS2	6	10	2	90	300																			280	250	220	190	P463
		12	6	1	45	400~600																			560	500	440	380	
		20	4	-	27	350~1000																			933	833	733	633	
	RS3	6	12	4	120	300																			280	250	220	190	P467
		12	8	2	60	420~600																			560	500	440	380	
		20	6	-	36	350~1000																			933	833	733	633	

Rod Type

Motor Direction	Support Guide	Type	Lead	Maximum Load Capacity		Max. Push Force (N)	Max. Velocity (mm/sec) * Values in the list are the Max. Velocity																		Environmental Spec.	Position Detector	Controller Input Power Supply	Page
				Mass (kg)	Vertical		Stroke (mm)																					
							Horizontal	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800					
Straight	None	RSD1	6	20	8	100				250												Standard	Resolver Incremental Type	DC24V (±10%)	P469			
			12	10	4	75				500																		
		RSD2	2	45	25	600				80																		
			6	40	12	300				250																		
		RSD3	12	25	5	150				500																		
			2	60	30	900				50																		
	Included	RSDG1	6	55	20	550				150																		
			12	50	10	250				300																		
		RSDG2	6	20	7.5	100				250																		
			12	10	3.5	75				500																		
		RSDG3	2	45	24	600				80																		
			6	40	11	300				250																		
Folded	None	RSD1	12	25	4	150				500																		
			2	60	28.5	900				50																		
		RSD2	6	55	18.5	550				150																		
			12	50	8.5	250				300																		
		RSDG1	6	20	7.5	100				250																		
			12	10	3.5	75				500																		
	Included	RSDG2	2	45	24	600				80																		
			6	40	11	300				250																		
		RSDG3	12	25	4	150				500																		
			2	60	28.5	900				50																		
		RSDG3	6	55	18.5	550				150																		
			12	50	8.5	250				300																		

Cycle Time Graph (for reference)



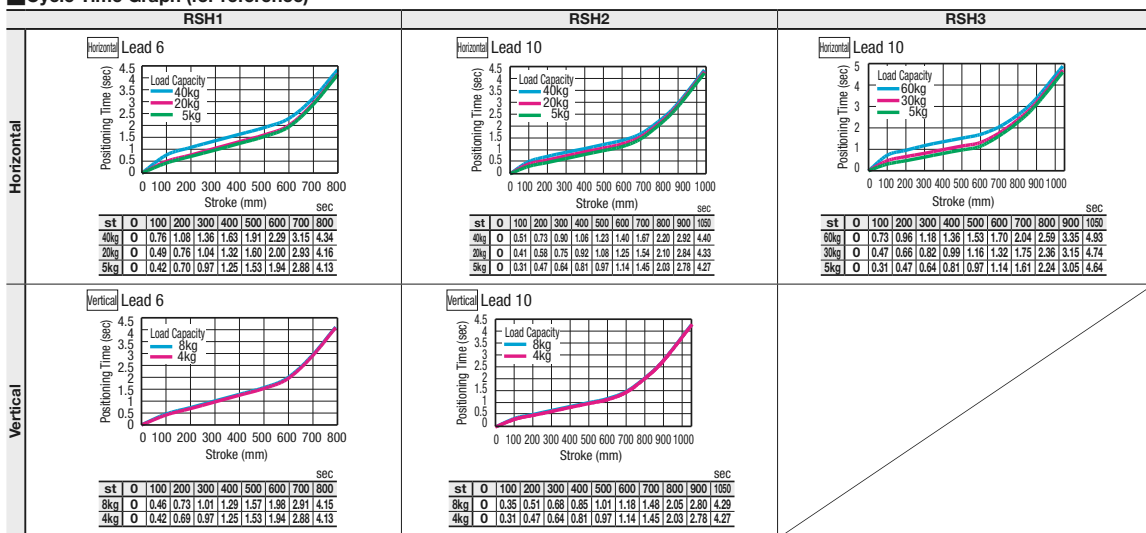
Servo Motor Specifications

■ Slider Type

Driving	Type	Lead	Maximum Load Capacity Mass (kg)		Max. Push Force (N)	Max. Velocity (mm/sec) * Values in the list are the Max. Velocity																Environmental Spec.	Position Detector	Controller Input Power Supply	Page					
			Horizontal	Vertical		Stroke (mm)																								
						150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900					950	1000	1050		
Ball Screw	RSH1 RSH1C	6	40	8	238	360										324	270	234	216	180						Standard / Clean	Resolver	AC Single Phase 100~115V 200~230V (±10%)	P.481	
		12	20	4	141	720										648	540	468	432	360										
	20	12	-	84	780~1200										1080	900	780	780	600						P.483					
	5	50	16	339	300										255	225	195	180	165	150	135	120								
	10	40	8	169	600										510	450	390	360	330	300	270	240								
	RSH2 RSH2C	20	20	4	84	1020~1200										1020	900	780	720	660	600	540	480						P.485	
		30	7	-	56	774~1800										1530	1350	1170	1080	990	900	810	720							
	RSH3 RSH3C	5	80	-	339	300										255	225	195	180	165	150	135	120	105						
		10	60	-	169	600										510	450	390	360	330	300	270	240	210						
	RSH4	20	30	-	84	1020~1200										1020	900	780	720	660	600	540	480	420					P.487	
		5	60	20	399	300														240	195	150	135							
	RSH5	10	40	10	169	600														480	390	300	270							P.489
		20	20	4	84	800~1200														960	780	600	540							
	RSH6	30	15	-	56	800~1800														1440	1170	900	810						P.491	
		5	80	20	399	300														240	195	150	135							
	RSH7	10	55	10	169	600														480	390	300	270							
		20	30	4	84	1000~1200														960	780	600	540							
	RSH8	30	15	-	56	900~1800														1440	1170	900	810							
		5	80	20	399	300														240	195	150	135							
	RSH9	10	55	10	169	600														480	390	300	270							
20		30	4	84	1100~1200														960	780	600	540								
RSH10	30	15	-	56	800~1800														1440	1170	900	810								

Driving	Type	Maximum Load Capacity Mean Yield (Percent of Full)	Max. Push Force (N)	Max. Velocity (mm/sec) * Values in the list are the Max. Velocity.																												Environment Specifications	Position Detector	Controller Input Power Supply	Page	
				Stroke (mm)																																
Belt	RSB1	10	-	-	1875																												Standard	Resolver Absolute Type Incremental Method	AC Single Phase 100~115V 200~230V (±10%)	P493
					~1750																															
	1650 1700 1750 1800 1850 1900 1950 2000 2050 2100 2150 2200 2250 2300 2350 2400 2450 2500 2550																																			
	1875																																			
	150 200 250 300 350 400 450 500 550 600 650 700 750 800 850 900 950 1000 1050 1100 1150 1200 1250 1300 1350 1400 1450 1500 1550 1600																																			
	~1750																																			
RSB2	20	-	-	1875																												Standard	Resolver Absolute Type Incremental Method	AC Single Phase 100~115V 200~230V (±10%)	P495	
				150 200 250 300 350 400 450 500 550 600 650 700 750 800 850 900 950 1000 1050 1100 1150 1200 1250 1300 1350 1400 1450 1500 1550 1600																																
1650 1700 1750 1800 1850 1900 1950 2000 2050 2100 2150 2200 2250 2300 2350 2400 2450 2500 2550 2600 2650 2700 2750 2800 2850 2900 2950 3000 3050																																				
1875																																				
~1750																																				
1875																																				

■ Cycle Time Graph (for reference)



- Confirm the information regarding Cycle Time Graph on our website (<http://jp.misumi-ec.com/maker/misumi/mech/product/rs/index.html>).
- To confirm detailed information, use cycle time simulator (http://fawos.misumi.jp/FA_WEB/tkcc/cycletime/cycletime.php).

Notes on CE Marking

MISUMI Robot Series provide parts to be incorporated into customers' device and equipment. According to EC Directive, it is declared that these are supplied in an incomplete state. Therefore, no CE marks are attached.

Please check for EC Directive compatibility with actuator built-in device or equipment (finished products). For details, please see the Instruction Manual.

Warranty

- | | |
|--------------------------|--|
| ■ Warranty Terms | Comply with "Warranty Standards" printed on "Mechanical Standard Components for Factory Automation" catalog. |
| ■ Warranty Period | One year from shipment date or within the first 2400 hours of operation whichever comes first |

Dedicated Contact for Queries

- **Dedicated contact for queries on technical information**

TEL:03-5805-7088

<Business Hours>

Mon. through Fri.: 9:00~12:00, 13:00~18:00