

RS Series Single Axis Robot - Lineup / Spec List

Slapping Motor Specifications

Slider Type

Motor Direction	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	
			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%)	P.457
		6	4	2	90					300																P.461
		12	2	1	45					400~600																P.465
	RS2 RS2C	6	10	2	90					300								280	250	220	190					P.459
		12	6	1	45					400~ 600								560	500	440	380					P.463
		20	4	-	27					350~1000								933	833	733	633					P.467
	RS3 RS3C	6	12	4	120					300								280	250	220	190					P.466
		12	8	2	60					420~ 600								560	500	440	380					P.467
		20	6	-	36					350~1000								933	833	733	633					P.467
Folded	RS1	2	6	4	150					100												Standard	Resolver Incremental Type	DC24V (±10%)	P.459	
		6	4	2	90					300																P.463
		12	2	1	45					400~600																P.467
	RS2	6	10	2	90					300								280	250	220	190					P.463
		12	6	1	45					400~ 600								560	500	440	380					P.467
		20	4	-	27					350~1000								933	833	733	633					P.467
	RS3	6	12	4	120					300								280	250	220	190					P.466
		12	8	2	60					420~ 600								560	500	440	380					P.467
		20	6	-	36					350~1000								933	833	733	633					P.467

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%)	P.469			
			12	10	4	75				500																		
		RSD2	2	45	25	600				80															P.471			
			6	40	12	300				250																		
		RSD3	12	25	5	150				500															P.473			
			2	60	30	900				50																		
	Included	RSDG1	6	55	20	550				150															P.475			
			12	50	10	250				300																		
		RSDG2	6	20	7.5	100				250															P.477			
			12	10	3.5	75				500																		
		RSDG3	2	45	24	600				80															P.479			
			6	40	11	300				250																		
Folded	None	RSD1	12	25	4	150				500															P.469			
			2	60	28.5	900				50															P.471			
		RSD2	6	55	18.5	550				150															P.473			
			12	50	8.5	250				300																		
		RSDG1	6	20	7.5	100				250															P.475			
			12	10	3.5	75				500																		
	Included	RSDG2	2	45	24	600				80															P.477			
			6	40	11	300				250																		
		RSDG3	12	25	4	150				500															P.479			
			2	60	28.5	900				50																		
		RSDG3	6	55	18.5	550				150																		
			12	50	8.5	250				300																		

Cycle Time Graph (for reference)

