date:2017.3.14

"XX":Recommend "X": Conform "BB": Ball bearings "MB": Metal bearing

SIZE	Model	Specs / Replaced	High-Voltage	S. BUS	S. BUS2	Output Torque				Operating Speed				Dimensions			Weight		Bearing	Length of cord (mm)	Metal gear	Al middle case	Wire Less	Metal bush	Seal ring	Car			Boat		Airplane				Helicopter			
																										EP car	GP car	Mini car	Yacht	EP/GP boat	Airplane	Small airplane	EP plane	Glider	Helicopter	Small heli GP	EP heli	Small EP heli
						(kgf･cm)				(sec/60 Degrees)				Millimeter			(g)	(oz)																					
						4.8V	6.0V	6.6V	7.4V	4.8V	6.0V	6.6V	7.4V	L	W	H																							
Small	S3016					*3.4	4.2		-	*0.25	0.20	-	-	31	16	31	34	1.20	2BB	300	X											X	X	XX				
	S3102					3.7	*4.6		-	0.25	0.20	-	-	28	13	30	21	0.74	-	150	X											X	X	XX				X
	S3107					1.2	-		-	0.12		-	-	22	11	20	9	0.32	-	150													X					X
	S3111M					0.6	-	-	-	0.12		-	-	22	11	20	6.3	0.22	-	100													XX					
	S3114					1.5	1.7	-	-	0.10	0.09	-	-	22	11	20	7.8	0.28	-	180													XX					X
	S3115					2.8	-	-	-	0.15		-	-	28	13	30	17	0.60	-	180												XX	X				X	X
	S3117					1.5	1.7	-	-	0.10	0.09	-	-	22	11	23	8.5	0.30	-	180													XX					X
	S3150					3.7	-	-	-	0.24		-	-	30	11	29	23	0.81	2BB	150	X											X	X	XX				
	S3154					1.5	1.7	-	-	0.10	0.09	-	-	22	11	20	7.9	0.28	-	180													XX					X
	S3155					2.0	-	-	-	0.16		-	-	30	11	29	20.4	0.72	2BB	150	X											XX	X	XX			X	
	S3156					2.0	2.4	-	-	0.13	0.11	-	-	22	11	22	9.3	0.33	1BB	180	X							X				X	XX	X				XX
	S3157					1.5	1.7	-	-	0.10	0.09	-	-	22	11	23	8.5	0.30	-	180													XX					X
	S3171SB			X		3.7		-	-	0.24		-	-	30	11	29	20.5	0.72	2BB	180	X											X	X	XX			X	X
	S3172SV		X	X	X	-	3.3	3.7	4.1	-	0.29	0.26	0.23	30	11	29	20	0.71	2BB	180	X											X	X	XX			X	X
	S3173SVi		X	X	X	-	3.5	3.9	4.3	-	0.20	0.18	0.16	30	11	29	20.6	0.73	2BB	300	X		X											XX				
	S3174SV		X	X	X	-	3.5	3.9	4.3	-	0.20	0.18	0.16	30	11	29	19.5	0.69	2BB	170	X											X	X	XX				
	S3270SV		X	X	X	-	2.3	2.6	3.0	-	0.13	0.12	0.11	23	12	29	16.2	0.57	2BB	200	X	X										X	XX				X	XX
	S3270SVi		X	X	X	-	2.3	2.6	3.0	-	0.13	0.12	0.11	23	12	29	16.2	0.57	2BB	200	X	X	X									X	XX				X	XX
	S3776SB	S3156		X	X	2.0	2.4	-	-	0.13	0.11	-	-	22	11	22	10	0.35	1BB	180	X							X				X	XX	X				X
	S9002					*2.5	3.1	-	-	0.18	0.14	-	-	31	16	31	31	1.09	2BB	300						X		X				X	X			X	X	
	S9071SB			X		3.8	4.6	-	-	0.15	0.11	-	-	36	15	29	25.8	0.91	2BB	195						XX					X	XX	X				XX	
	S9650					3.6	4.5	-	-	0.14	0.11	-	-	36	15	29	26	0.92	2BB	150						XX												
	S9670SV	S9650	X	X	X	-	4.7	5.0	5.5	-	0.11	0.10	0.09	36	15	29	24	0.85	2BB	150						XX												
	BLS153					5.5	-	-	-	0.15		-	-	36	15	29	26	0.92	2BB	200											X	XX	X					
	BLS651					5.5	7.0	-	-	0.15	0.12	-	-	36	15	29	26	0.92	2BB	150						XX												
	BLS671SV	BLS651	X	X	X	-	6.7	7.4	8.3	-	0.12	0.11	0.10	33	15	27	28	0.99	2BB	150	X					XX												
	BLS671SVi		X	X	X	-	6.7	7.4	8.3	-	0.12	0.11	0.10	33	15	27	28	0.99	2BB	150	X		X			XX												

Medium	S3001					*2.4	3.0	-	-	*0.28	0.22	-	-	40	20	36	45.1	1.59	1BB+1MB	300						X	X		X	X	X	X	X	X	X	X		
	S148					*2.4	3.0	-	-	*0.28	0.22	-	-	40	20	36	44	1.55	1MB	300						X	X		X	X	X	X	X	X				
	S3003					3.2	4.1	-	-	0.23	0.19	-	-	40	20	36	37.2	1.31	-	300						X	X		X	X	X	X	X	X				
	S3004					3.2	4.1	-	-	0.23	0.19	-	-	40	20	36	37.2	1.31	1BB	300						X	X		X	X	X	X	X	X				
	S3151					3.1	-	-	-	0.21		-	-	41	20	36	42	1.48	1BB+1MB	300											XX				X	XX		
	S3073HV		X	X		-	3.1	3.5	3.9	-	0.20	0.18	0.16	41	20	36	41	1.45	1BB+1MB	300											XX				X	XX		
	S3010					*5.2	6.5	-	-	*0.20	0.16	-	-	40	20	38	41	1.45	1BB+1MB	300						X	X		X	X	X	X	X	X	X	X		
	S3050					*5.2	6.5	-	-	*0.20	0.16	-	-	40	20	38	48.8	1.72	2BB	300	X					XX	X				X							
	S3051HV		X			-	9.5	10.0	10.5	-	0.21	0.19	0.17	40	20	38	49	1.73	2BB	300	X					X			X	X	XX				X			
	S3470SV	S3050	X	X	X	-	8.0	8.6	9.6	-	0.14	0.13	0.12	40	20	38	43	1.52	2BB	200	X					XX	X		X	X	X							
	S3070HV		X	X		-	5.2	5.8	6.5	-	0.19	0.17	0.15	40	20	38	49	1.73	2BB	300	X					X	X		X	X	X	X	X	X	X	X		
	S3071HV	S3051HV	X	X		-	9.5	10.0	10.5	-	0.21	0.19	0.17	40	20	38	49	1.73	2BB	300	X					X	X		X	X	XX	X	X	X	X	X		
	S3072HV		X	X		-	5.2	5.8	6.5	-	0.19	0.17	0.15	40	20	38	42	1.48	1BB+1MB	300						X	X		X	X	XX	X	X	X	X	X		
	S3152					5.0	*6.3	-	-	0.22	*0.18	-	-	40	20	38	41	1.45	1BB+1MB	300											XX				X	X		
	S3305					*7.1	8.9	-	-	*0.25	0.20	-	-	40	20	38	46.5	1.64	2BB	200	X					XX	XX											
	S9001					3.9	5.2	-	-	0.22	0.18	-	-	40	20	36	48	1.69	2BB	300						X	X		X	X	X	X	X	X	X	X		
	S9072SB			X		*7.0	8.7	-	-	*0.13	0.10	-	-	40	20	37	57	2.01	2BB	200						XX	X		X	X	XX				XX	X		
	S9151					9.5	-	-	-	0.19		-	-	40	20	37	50	1.76	2BB	300					X						XX	X			X	X		
	S9155					*11.0	13.8	-	-	*0.16	0.13	-	-	40	20	37	61	2.15	2BB	300	X	X		X	X						X							
	S9156					*19.6	24.5	-	-	*0.21	0.17	-	-	40	20	37	63	2.22	2BB	300	X	X		X	X						X							
	S9157					-	30.6	-	-	-	0.14	-	-	41	21	37	71	2.50	2BB	400	X	X		X	X						XX							
	S9177SV	S9157	X	X	X	-	33.6	36.8	41.0	-	0.13	0.12	0.11	41	21	37	74	2.61	2BB	400	X	X		X	X						XX							
	S3175HV		X	X		-	4.1	4.5	5.1	-	0.19	0.17	0.16	36	20	25	25	0.88	1BB	300											X	XX	X					
	S3176SV		X	X	X	-	4.1	4.5	5.1	-	0.19	0.17	0.16	36	20	25	27	0.95	2BB	300	X										X	XX	X					
	S9170SV	S9070SB	X	X	X	-	5.5	6.0	6.8	-	0.15	0.13	0.12	36	20	25	32	1.13	2BB	300	X										X	XX	X			X		
	S9202					*4.0	5.0	-	-	*0.27	0.22	-	-	41	20	36	50	1.76	2BB	300					X				X	X	X	X			XX	XX		
	S9206					9.5	-	-	-	0.19		-	-	41	20	38	53	1.87	2BB	300	X				X						XX	X			XX	X		
	S9255					9.0	-	-	-	0.16		-	-	40	20	37	55	1.94	2BB	300	X				X						X				XX	X		
	S9370SV	S9351	X	X	X	-	13.8	15.0	16.8	-	0.13	0.12	0.11	40	20	37	61	2.15	2BB	200	X	X		X	X	XX	X		XX	XX								
	S9352HV		X			-	17.8	19.6	22.0	-	0.075	0.07	0.06	41	21	37	72	2.54	2BB	200	Ti+MTL	X		X	X	XX	XX											
	S9353HV		X			-	17.8	19.6	22.0	-	0.075	0.07	0.06	41	21	37	77	2.72	2BB	200	Ti+MTL	Full AL			X	XX	XX											
	S9372SV	S9352HV	X	X	X	-	20.0	22.0	24.6	-	0.07	0.065	0.06	41	21	37	70	2.47	2BB	200	Ti+MTL	X		X	X	XX	XX		XX	XX								
	S9373SV	S9353HV	X	X	X	-	20.0	22.0	24.6	-	0.07	0.065	0.06	41	21	37	76	2.68	2BB	200	Ti+MTL	Full AL			X	XX	XX		XX	XX								
	S9405					*5.8	7.2	-	-	*0.13	0.11	-	-	41	20	38	55	1.94	2BB	200	X				X	XX	XX		XX	XX	X							
	S9451					*7.0	8.7	-	-	*0.12	0.10	-	-	40	20	37	56	1.98	2BB	200	X				X	XX	XX		XX	XX								
	S9452					*7.4	9.2	-	-	*0.13	0.11	-	-	40	20	34	50	1.76	2BB	200	X				X	XX	XX		XX	XX								
	S9470SV	S9451	X	X	X	*9.1	11.4	12.5	13.8	*0.13	0.11	0.10	0.09	40	20	37	54	1.90	2BB	200	X				X	XX	X		XX	XX								
	S9570SV		X	X	X	*5.3	6.6	7.2	8.0	*0.11	0.10	0.09	0.08	41	20	25	43	1.52	2BB	200	X				X	XX	X											
	S9551					*7.0	8.8	-	-	*0.14	0.11	-	-	41	20	25	45	1.59	2BB	200	X				X	XX	X											
	S9571SV	S9551	X	X	X	*7.2	9.0	9.8	10.6	*0.14	0.11	0.10	0.09	41	20	25	43	1.52	2BB	200	X				X	XX	X											
	BLS171SV	BLS171HV	X	X	X	-	9.6	10.6	11.8	-	0.13	0.11	0.10	40	20	35	48	1.69	2BB	300	Partially				X						XX	X						
	BLS172SV	BLS172HV	X	X	X	-	31.0	34.0	37.0	-	0.14	0.12	0.11	41	21	38	74	2.61	2BB	400	HyBrid+Mt	X		X	X						XX							
	BLS173SV	BLS153	X	X	X	-	6.2	6.8	7.6	-	0.12	0.11	0.10	33	15	27	28	0.99	2BB	300	X										XX	XX					X	
	BLS173SVi		X	X	X	-	6.2	6.8	7.6	-	0.12	0.11	0.10	33	15	27	28	0.99	2BB	300	X		X								XX	XX					X	
	BLS174SV	BLS174HV	X	X	X	-	7.8	8.8	9.6	-	0.11	0.10	0.09	48	27	25	53	1.87	2BB	300	Partially				X						Aileron							
	BLS175SV	BLS175HV	X	X	X	-	18.0	19.4	21.0	-	0.15	0.13	0.12	40	20	37	66	2.33	2BB	300	X	X		X	X						XX							
	BLS177SV		X	X	X	-	31.0	34.0	37.0	-	0.14	0.12	0.11	41	21	38	79	2.79	2BB	400	HyBrid+Mt	X		X	X						XX							
	BLS272SV	BLS272HV	X	X	X	-	10.6	11.2	12.0	-	0.10	0.09	0.08	40	20	37	60	2.12	2BB	300	X				X						X				XX	X		
	BLS273SV		X	X	X	-	12.4	13.6	15.2	-	0.09	0.08	0.07	41	21	38	72	2.54	2BB	300	Ti+MTL	X		X	X						X				XX			
	BLS275SV		X	X	X	-	12.4	13.6	15.2	-	0.09	0.08	0.07	41	21	38	77	2.72	2BB	300	Ti+MTL	Full AL			X						X				XX			
	BLS351					*12.5	15.6	-	-	*0.16	0.13	-	-	40	20	37	63	2.22	2BB	200	X	X		X	X	X	XX		XX	XX								
	BLS352					*14.4	18.0	-	-	*0.19	0.15	-	-	40	20	37	63	2.22	2BB	200	X	X		X	X	X	XX		XX	XX								
	BLS371SV	BLS351/352	X	X	X	*12.6	15.8	17.2	19.0	*0.16	0.13	0.12	0.10	40	20	37	63	2.22	2BB	200	X	X		X	X	X	XX		XX	XX								
	BLS451					*8.5	10.6	-	-	*0.13	0.10	-	-	40	20	37	58	2.05	2BB	200	X				X	XX	X		X	XX								
	BLS452					*11.2	14.0	-	-	*0.18	0.14	-	-	40	20	37	58	2.05	2BB	200	X				X	XX	X		X	XX								
	BLS471SV	BLS451/452	X	X	X	*8.5	11.4	12.5	13.8	*0.11	0.09	0.08	0.07	40	20	37	57	2.01	2BB	200	X				X	XX	X		X	XX								
	BLS551					*7.4	9.2	-	-	*0.13	0.10	-	-	41	20	25	44	1.55	2BB	200	X				X	XX	X											
	BLS571SV	BLS551	X	X	X	*7.4	9.4	10.2	11.0	*0.13	0.10	0.09	0.08	41	20	25	41	1.45	2BB	200	X				X	XX	X											
Large	S3306					*19.2	24.0	-	-	*0.20	0.16	-	-	66	30	57	126	4.44	2BB	300					X	XX	XX											
	S3306MG					*19.2	24.0	-	-	*0.20	0.16	-	-	66	30	57	130	4.59	2BB	300	X				X	XX	XX											
Special USE	S3170G					7.0	8.5	-	-	0.57	0.47	-	-	35	16	26	26	0.92	2BB	180	X										Retract and normal linea						
	S3802					*8.8	11.0	-	-	*0.70	0.56	-	-	44	23	43	72	2.54	2BB	300	X				X				Sail								
	S9254					3.4	-	-	-	0.06	-	-	-	40	20	37	49	1.73	2BB	290					X											Gyro Rudder	
	S9257					2.0	-	-	-	0.08	-	-	-	36	15	29	26	0.92	2BB	200																EP Heli Gyro Rudder W/GY240,401	
	BLS251SB	BLS251		X	X	3.8	-	-	-	0.06	-	-	-	40	20	37	60	2.12	2BB	300	X	X			X											Gyro Rudder W/CGY750,GY701 GY611,GY601,GY520 GY430	
	BLS274SV		X	X	X	-	4.0	4.4	5.0	-	0.06	0.055	0.05	40	20	37	51	1.80	2BB	300					X											Gyro Rudder W/CGY750,GY701 GY520,GY430	
	BLS276SV	BLS256HV	X	X	X	-	4.0	4.4	5.0	-	0.06	0.055	0.05	40	20	37	60	2.12	2BB	300	X	X			X											Gyro Rudder W/CGY750,GY701 GY611,GY601,GY520 GY430	