

2011

Digital Servo Chart

DIGITAL SERVO PROGRAMMERS



PROGRAMMABLE DIGITAL SERVOS

HITEC MODEL	HITEC PART #	DESCRIPTION	GEAR TYPE	BEARING	SPEED 4.8 / 6.0V 6.0 / 7.4V SEC	TORQUE 4.8 / 6.0V 6.0 / 7.4V KG-CM	SIZE L x W x H (MM)	WEIGHT GRAMS	GEAR PART#	CASE PART#	POWER PLANES	SAILPLANES	HELIS	CARS	TRUCKS	SAILBOATS	BOATS
Digital Micro and Mini Servos																	
HS-5035HD	35035S	DIGITAL NANO	METAL	NONE	0.10 / 0.08	0.8 / 1.0	18.6 x 7.6 x 15.5	4.5	56408	56409							
HS-5045HB	35045S	AGTT MICRO	KARBONITE	TOP BB	0.12 / 0.10	1.0 / 1.2	23.6 x 9.8 x 22.4	8.5	55025	55428							
HS-5055MG	35055S	ECONOMY METAL GEAR FEATHER	METAL	NONE	0.20 / 0.17	1.3 / 1.6	22.8 x 11.6 x 24	9.5	55323	55431							
HS-5056MG	35056S	PREMIUM METAL GEAR FEATHER	METAL	TOP BB	0.12 / 0.10	1.2 / 1.4	22.6 x 11.6 x 24	12.7	55324	55412							
HS-5065MG	35065S	HIGH TORQUE METAL GEAR FEATHER	METAL	TOP BB	0.14 / 0.11	1.8 / 2.2	23.6 x 11.6 x 24	11.9	55315	55418							
HS-A5076HB	35076S	SLIM AGTT MICRO	KARBONITE	TOP BB	0.15 / 0.12	2.5 / 3.0	27.6 x 10.8 x 29	14.0	56405	56406							
HSG-5084MG	35084S	MICRO HELI TAIL ROTOR	METAL	TOP BB	0.07 / 0.05	1.5 / 1.9	29.0 x 13.0 x 30.0	21.7	55021	55421							
HS-5085MG	35085S	PREMIUM METAL GEAR MICRO	METAL	TOP BB	0.17 / 0.13	3.6 / 4.3	29.0 x 13.0 x 30.0	21.9	56388	56366							
HS-5087MH NEW	35087S	HV PREMIUM METAL GEAR MICRO	METAL	TOP BB	0.17 / 0.13	3.6 / 4.3	29.0 x 13.0 x 30.0	21.9	56388	56366							
HS-5125MG	35125S	SLIM METAL GEAR WING	METAL	DUAL BB	0.17 / 0.13	3.0 / 3.5	30.0 x 10.0 x 34.0	24.0	55301	55408							
HS-5245MG	35245S	MINI METAL GEAR	METAL	DUAL BB	0.15 / 0.12	4.4 / 5.5	32.4 x 16.8 x 30.8	32.0	56396	56342							
Digital Sport Servos																	
HS-5485HB	35485S	STANDARD KARBONITE DIGITAL	KARBONITE	TOP BB	0.20 / 0.17	5.2 / 6.4	39.8 x 19.8 x 38.0	45.0	55030	55430							
HS-5495BH	35495S	HV STANDARD KARBONITE DIGITAL	KARBONITE	TOP BB	0.17 / 0.15	6.4 / 7.5	39.8 x 19.8 x 38.0	45.0	55030	56430							
HS-5496MH	35496S	HV STANDARD METAL GEAR DIGITAL	METAL	TOP BB	0.17 / 0.15	6.4 / 7.5	39.8 x 19.8 x 38.0	52.0	55335	56430							
HS-5625MG	35625S	HIGH SPEED METAL GEAR	METAL	DUAL BB	0.17 / 0.14	7.9 / 9.4	40.6 x 19.8 x 37.8	60.0	55302	55402							
HS-5645MG	35645S	HIGH TORQUE METAL GEAR	METAL	DUAL BB	0.23 / 0.18	10.3 / 12.1	40.6 x 19.8 x 37.8	60.0	55303	55402							
HS-5665MH	35665S	HV HIGH SPEED METAL GEAR	METAL	DUAL BB	0.16 / 0.14	8.8 / 10.0	40.6 x 19.8 x 37.8	57.0	55302	55402							
HS-5685MH	35685S	HV HIGH TORQUE METAL GEAR	METAL	DUAL BB	0.20 / 0.17	11.3 / 12.9	40.6 x 19.8 x 37.8	57.0	55303	55402							
HS-5755MG	35755S	METAL GEAR GIANT	METAL	TRIPLE BB	0.18 / 0.15	20.0 / 25.0	59.0 x 29.0 x 52.0	172.3	55329	56414							
HS-5765MH NEW	35765S	HV METAL GEAR GIANT	METAL	TRIPLE BB	0.16 / 0.13	20.0 / 25.0	59.0 x 29.0 x 52.0	172.3	55339	56414							
HS-5805MG	35805S	MEGA METAL GEAR	METAL	DUAL BB	0.19 / 0.14	19.8 / 24.7	66.0 x 30.0 x 57.6	197.0	56410	56352							
HS-6635HB	36635S	HIGH TORQUE KARBONITE	KARBONITE	DUAL BB	0.18 / 0.15	5.0 / 6.0	39.8 x 19.8 x 38.8	52.1	55006	55411							
Digital Waterproof Servos																	
HS-5086WP NEW	35086S	DIGITAL WATERPROOF METAL GEAR MICRO	METAL	TOP BB	0.18 / 0.15	3.0 / 3.6	31.0 x 15.2 x 31.0	28.5	56388	55435							
HS-5646WP NEW	35646S	DIGITAL WATERPROOF HIGH TORQUE DIGITAL	METAL	DUAL BB	0.20 / 0.18	11.3 / 12.9	41.8 x 21.0 x 40.0	61.0	55303	55434							
Premium Digital Servos																	
HS-7235MH NEW	37235S	HV SPEED METAL GEAR CORELESS MINI	METAL	TOP BB	0.09 / 0.08	3.6 / 4.4	32.4 x 16.8 x 32.8	34.0	55338	55438							
HS-7245MH NEW	37245S	HV TORQUE METAL GEAR CORELESS MINI	METAL	TOP BB	0.13 / 0.11	5.2 / 6.4	32.4 x 16.8 x 32.8	34.0	55336	55438							
HS-7775MG	37775S	LOW PROFILE MG CORELESS	METAL	DUAL BB	0.12 / 0.10	7.2 / 9.0	40.4 x 21 x 25.4	49.0	55328	55433							
HS-7954SH	37954S	HIGH TORQUE HV CORELESS STEEL GEAR	STEEL	DUAL BB	0.15 / 0.12	24.0 / 29.0	40.0 x 20.0 x 37.0	68.0	55321	55414							
HS-7965MG	37965S	HIGH SPEED METAL GEAR CORELESS	METAL	DUAL BB	0.13 / 0.10	8.0 / 10.0	40.0 x 20.0 x 37.0	62.0	55313	55423							
HS-7966HB	37966S	HIGH SPEED KARBONITE CORELESS	KARBONITE	DUAL BB	0.10 / 0.08	6.6 / 8.0	40.0 x 20.0 x 37.0	53.0	55009	55410							
HS-7975HB	37975S	HIGH TORQUE KARBONITE CORELESS	KARBONITE	DUAL BB	0.14 / 0.11	6.6 / 8.2	40.0 x 20.0 x 37.0	53.0	55005	55410							
HS-7985MG	37985S	HIGH TORQUE METAL GEAR CORELESS	METAL	DUAL BB	0.16 / 0.13	10.4 / 12.4	40.0 x 20.0 x 37.0	62.0	55314	55423							
Ultra Premium Digital Servos																	
HS-7940TH	37940S	HIGH SPEED HV CORELESS TITANIUM GEAR	TITANIUM	DUAL BB	0.08 / 0.07	13.0 / 16.0	40.0 x 20.0 x 38.0	65.0	55345*	56407							
HS-7945TH	37945S	HV SPEED/TORQUE CORELESS TITANIUM GEAR	TITANIUM	DUAL BB	0.12 / 0.10	18.0 / 23.0	40.0 x 20.0 x 38.0	68.0	55345*	56407							
HS-7950TH	37950S	ULTRA TORQUE HV CORELESS TITANIUM GEAR	TITANIUM	DUAL BB	0.17 / 0.14	29.0 / 35.0	40.0 x 20.0 x 38.0	65.0	55345*	56407							
HS-7955TG	37955S	HIGH TORQUE TITANIUM GEAR CORELESS	TITANIUM	DUAL BB	0.19 / 0.15	18.0 / 24.0	40.0 x 20.0 x 37.0	65.0	55014*	55414							
HS-7980TH	37980S	MEGA TORQUE HV CORELESS TITANIUM GEAR	TITANIUM	DUAL BB	0.21 / 0.17	36.0 / 44.0	43.8 x 22.4 x 40.0	78.2	55333*	56415							
HS-M7990TH	37990S	MEGA TORQUE HV MAGNETIC ENCODER	TITANIUM	DUAL BB	0.21 / 0.17	36.0 / 44.0	43.8 x 22.4 x 40.0	79.0	55333*	56415							
Digital Robotic Servos																	
HSR-5980SG	35980R	DIGITAL HIGH TORQUE STEEL GEAR	STEEL	DUAL BB	0.17 / 0.14	24.0 / 30.0	40.0 x 20.0 x 37.0	70.0	55321	55429							
HSR-5990TG	35990R	DIGITAL HIGH TORQUE TITANIUM GEAR	TITANIUM	DUAL BB	0.17 / 0.14	24.0 / 30.0	40.0 x 20.0 x 37.0	68.0	55014*	55429							

SERVO GEAR MATERIAL RELATIVE STRENGTH CHART

- 48X Titanium Gears
- 40X Steel Gears
- 16X Metal Gears
- 4X Karbonite Gears
- 1X Nylon Gears



*Note: First Gear Only