

SERIES MODEL NAME	CIRCUIT	MOTOR TYPE	GEAR TYPE	SPLINE	OPERATING VOLTAGE (V)	NO- LOAD SPEED (sec/60°)	STALL TORQUE (oz·in)	GOOD	BETTER	BEST
					MAX	6.0V 7.4V	6.0V 7.4V			
ULTRA MICRO SERVOS										
HS-40	Analog	Cored	Nylon	Feather	6.8	0.09	10.47	N/A	HS-40	HS-45HB
HS-45HB	Analog	Cored	Karbonite	Feather	6.8	0.12	16.65	HS-55	HS-45HB	HS-5055MG
HS-53	Analog	Cored	Resin	Feather	6.8	0.13	20.8	HS-55	HS-53	HS-5055MG
HS-55	Analog	Coreless	Nylon	Feather	6.8	0.14	18.05	HS-55	HS-53	HS-5055MG
HS-5055MG	Digital	Cored	Metal	Feather	6.8	0.17	22.2	HS-55	HS-5055MG	HS-5065MG
HS-65HB	Analog	Cored	Resin	Micro	6.8	0.11	30.55	HS-65HB	HS-65MG	HS-5065MG
HS-65MG	Analog	Cored	Metal	Micro	6.8	0.11	30.55	HS-65HB	HS-65MG	HS-5070MH
HS-5065MG	Digital	Cored	Metal	Micro	6.8	0.11	30.55	HS-65HB	HS-5065MG	HS-5070MH
HS-70MG	Analog	Cored	Metal	Micro	6.8	0.14	41.66	HS-65MG	HS-70MG	HS-5070MH
HS-5070MH	Digital	Cored	Metal	Micro	8.4	0.12	53.06	HS-70MG	HS-5065MG	HS-5070MH
D71MH	Digital	Cored	Metal	Micro	8.4	0.13	56.94	HS-70MG	HS-5070MH	D71MH
RETRACT / LOW PROFILE SERVOS										
HS-75BB	Analog	Cored	Resin	24T	6.8	0.34	113.87	N/A	N/A	HS-75BB
HS-77BB	Analog	Cored	Resin	24T	6.8	0.14	76.3	HS-77BB	DB777WP	DB778WP

MICRO SERVOS

HS-81	Analog	Cored	Nylon	24T	6.8	0.09	41.66	HS-81	HS-82MG	D85MG
HS-82MG	Analog	Cored	Metal	24T	6.8	0.10	47.22	HS-82MG	HS-5085MG	D85MG
HS-85BB	Analog	Cored	Nylon	24T	6.8	0.14	48.6	HS-85BB	HS-5085MG	D85MG
HS-85MG	Analog	Cored	Metal	24T	6.8	0.14	48.6	HS-85MG	HS-5085MG	D85MG
HS-5085MG	Digital	Cored	Metal	24T	6.8	0.13	59.71	HS-82MG	HS-85MG	D85MG
D85MG	Digital	Cored	Metal	24T	6.8	0.14	60.04	HS-85MG	HS-5085MG	D85MG
HS-5086WP	Digital	Cored	Metal	24T	6.8	0.15	50	HS-85BB	HS-5085MG	HS-5086WP
HS-5087MH	Digital	Cored	Metal	24T	8.4	0.13	59.71	HS-85MG	HS-5087MH	D89MW
D89MW	Digital	Coreless	Steel	25T	8.4	0.11	103.33	HS-85MG	HS-5087MH	D89MW

WING SERVOS

HS-7115TH	Digital	Cored	Titanium	Feather	8.4	0.10	54.16	HS-125MG	HS-5125MG	HS-7115TH
HS-125MG	Analog	Cored	Metal	Micro	6.8	0.13	48.6	HS-125MG	HS-5125MG	D145SW
HS-5125MG	Digital	Cored	Metal	Micro	6.8	0.13	48.6	HS-125MG	HS-5125MG	D145SW
D131MW	Digital	Coreless	Metal	Micro	8.4	0.11	37.5	HS-5055MG	HS-7115TH	D131MW
D141SH	Digital	Coreless	Steel	Micro	8.4	0.09	113.88	HS-125MG	HS-5125MG	D141SH
MD141SH	Digital	Coreless	Steel	Micro	8.4	0.09	118.04	D145SW	D141SH	MD141SH
D145SW	Digital	Cored	Steel	Micro	8.4	0.14	83.78	D145SW	D141SH	MD141SH

MINI SERVOS

HS-225BB	Analog	Cored	Resin	24T	6.8	0.11	66.65	HS-225BB	HS-225MG	HS-5245MG
HS-225MG	Analog	Cored	Metal	24T	6.8	0.11	66.65	HS-225MG	HS-5245MG	HS-7245MH
HS-5245MG	Digital	Cored	Metal	24T	6.8	0.12	76.37	HS-225MG	HS-5245MG	HS-7245MH

ROBOTIC / CONTINUOUS ROTATION SERVOS

HSR-1425CR	Analog	Cored	Resin	24T	6.8		n / a	HSR-1425CR	N/A	HSR-2645CR
HSR-2645CR	Digital	Cored	Metal	24T	6.8	72 RPM	166.65	HSR-1425CR	N/A	HSR-2645CR

STANDARD SPORT SERVOS

HS-311	Analog	Cored	Resin	24T	6.8	0.15	51.38	HS-311	HS-322HD	HS-425BB
HS-322HD	Analog	Cored	Resin	24T	6.8	0.15	51.38	HS-322HD	HS-422	HS-485HB
HS-422	Analog	Cored	Resin	24T	6.8	0.16	54.15	HS-422	HS-485HB	D485HW
HS-425BB	Analog	Cored	Resin	24T	6.8	0.16	54.15	HS-425BB	HS-485HB	HS-5485HB
HS-430BH	Analog	Cored	Resin	24T	8.4	0.14	69.43	HS-430BH	HS-5485BH	HS-5496MH
HS-485HB	Analog	Cored	Resin	24T	6.8	0.18	83.32	HS-425BB	HS-485HB	D485HW
D485HW	Digital	Cored	Karbonite	25T	8.4	0.15	104.16	HS-430BH	HS-5485HB	D485HW
MD485HW	Digital	Cored	Resin	25T	8.4	0.15	102.77	HS-485HB	D485HW	MD485HW
HS-5496MH	Digital	Cored	Metal	24T	8.4	0.15	104.15	HS-5496MH	D645MW	HS-5565MH
HS-625MG	Analog	Cored	Metal	24T	6.8	0.15	94.43	HS-625MG	HS-5625MG	D625MW
D625MW	Digital	Cored	Metal	25T	8.4	0.13	138.87	HS-625MG	D625MW	D930SW
HS-645MG	Analog	Cored	Metal	24T	6.8	0.20	133.32	HS-645MG	HS-5645MG	D645MW
D645MW	Digital	Cored	Metal	25T	8.4	0.17	180.1	HS-645MG	D645MW	D954SW
HS-646WP	Analog	Cored	Metal	24T	8.4	0.17	161.09	HS-646WP	HS-5646WP	D646WP
D646WP	Digital	Cored	Metal	25T	8.4	0.16	161.98	HS-646WP	HS-5646WP	D646WP

CORELESS SERVOS

HS-5585MH	Digital	Coreless	Metal	24T	8.4	0.14	236.3	HS-5645MG	HS-5585MH	D954SW
D940TW	Digital	Coreless	Titanium	25T	8.4	0.07	229.14	D940TW	D941TW	HSB-9360TH
D941TW	Digital	Coreless	Titanium	25T	8.4	0.07	229.14	D940TW	D941TW	HSB-9360TH
D954SW	Digital	Coreless	Steel	25T	8.4	0.12	404.95	D954SW	N/A	D955TW
D955TW	Digital	Coreless	Titanium	25T	8.4	0.12	404.95	D955TW	HSB-9485SH	HSB-9380TH
D956WP	Digital	Coreless	Steel	25T	8.4	0.12	324.11	D646WP	N/A	D956WP

BRUSHLESS SERVOS

HSB-9485SH	Digital	BLDC	Titanium	25T	8.4	0.15	361	D955TW	HSB-9485SH	HSB-9380TH
HSB-9360TH	Digital	BLDC	Titanium	25T	8.4	0.06	236.08	D930SW	D940TW	HSB-9360TH
HSB-9370TH	Digital	BLDC	Titanium	25T	8.4	0.10	347.95	D954SW	D945TW	HSB-9370TH
HSB-9380TH	Digital	BLDC	Titanium	25T	8.4	0.14	541.59	D955TW	D950TW	HSB-9380TH
HSB-9381TH	Digital	BLDC	Titanium	25T	8.4	0.14	472.16	D955TW	D950TW	HSB-9381TH
DB961WP	Digital	BLDC	Steel	25T	8.4	0.15	763.81	D980TW	HSB-9381TH	DB961WP

BRUSHLESS LOW PROFILE SERVOS

DB777WP	Digital	BLDC	Steel	25T	8.4	0.06	291.63	N/A	N/A	DB777WP
DB778WP	Digital	BLDC	Steel	25T	8.4	0.10	194.42	N/A	N/A	DB778WP

GIANT SCALE SERVOS

HS-755HB	Analog	Cored	Resin	24T	6.8	0.23	183.31	HS-755HB	HS-755MG	HS-5765MH
HS-755MG	Analog	Cored	Metal	24T	6.8	0.23	199.98	HS-755HB	HS-755MG	HS-5765MH
HS-5765MH	Digital	Cored	Metal	Mega	8.4	0.13	347.17	HS-755MG	HS-5765MH	HS-5805MG
HS-805BB	Analog	Cored	Resin	Mega	6.8	0.14	343.02	HS-805BB	HS-805MG	HS-5805MG
D840WP	Digital	Cored	Steel	Mega	8.4	0.11	18.91	HS-5765MH	HS-5805MG	D840WP
D845WP	Digital	Cored	Steel	Mega	8.4	0.17	698.19	HS-5765MH	HS-5805MG	D845WP
MD845WP	Digital	Cored	Steel	Mega	8.4	0.17	698.19	D845WP	MD845MW	MDB1200WP
HS-1005SGT	Digital	Cored	Metal	Mega	16.8	0.19	1527.58	D980TW	D845MW	HS-1005SGT
MDB1200WP	Digital	BLDC	Steel	Mega	8.4	0.18	1838.69	HS-1005SGT	D1100WP	MDB1200WP

SAILBOAT SERVOS

HS-765HB	Analog	Cored	Resin	24T	6.8	0.23	183.31	N/A	N/A	HS-765HB
HS-785HB	Analog	Cored	Resin	24T	6.8	1.38 sec/360°	183.31	N/A	N/A	HS-785HB