

Servo Comparison Chart - REV, Go Bilda, Servo City

Sub-Micro Servos

Sub-Micro Servos	Type	Features	4.8V Torque (oz-in)	6.0V Torque (oz-in)	4.8V Speed (sec/60°)	6.0V Speed (sec/60°)	Weight	Cost	Spline 24T/25T	Gear Material	Notes
HS-5065MG	Digital	Prog.	25	30.6	0.14	0.11	0.42oz (11.9g)	\$33.99	25T	Metal	Very light, used by Rise of Hephaestus

Standard Servos

Standar Servos	Type	Features	4.8V Torque (oz-in)	6.0V Torque (oz-in)	4.8V Speed (sec/60°)	6.0V Speed (sec/60°)	Weight	Cost	Spline 24T/25T	Gear Material	Notes
Go Bilda 2000 Series	Digital	Prog.	168	201.4	0.15	0.13	2.04oz (49.8g)	\$24.99	25T	Metal	Recommended by FTC 3595 - Shroedinger's Hat
REV Smart Robot Servo REV-41-1097	Digital	Prog.	n/a	187.8	n/a	0.14	2.05oz (58.1g)	\$30.00	25T	Metal	Used by Tesla Coils, Rise of Hephaestus (for gripping glyphs) and Overcharged (for jewel arm). Gearbox may shred with too much torque
HS-485HB	Analog	No	72	83.3	0.2	0.18	1.59oz (45g)	\$17.99	24T	Karbonite	Used by Overcharged for jewel arm
HS-7955TG	Digital	Prog.	250	333	0.19	0.15	2.29oz (65g)	\$99.99	24T	Titanium	Sonic Screwdrivers used for Jewel arm. Rise used for flipping glyphs. Good power, can heat up fast if fighting to hold position.

Large Servos

Large Servos	Type	Features	4.8V Torque (oz-in)	6.0V Torque (oz-in)	4.8V Speed (sec/60°)	6.0V Speed (sec/60°)	Weight	Cost	Spline	Gear Material	Notes
HS-M7990TH	Digital	Prog.	-	500	-	0.2	2.76oz (78.2g)				Discontinued now but Rise used this for Relic Recovery it was their favorite servo.
HS-755MG	Analog	No	167	200	0.28	0.23	4.12oz (117g)	\$39.99	24T	Karbonite	Recommended by Overcharged for high torque applications like in a swerve drive
HS-785HB	Analog	Multi-rotation	153	183	0.28	0.23	3.88oz (110g)	\$49.99	24T	Karbonite	Recommended by Overcharged for High Torque
HSR-M9382TH	Digital		-	472	-	~.14	2.40oz (68g)		25T	Titanium	Good basic servo recommended from Rise
HiTec D980TW,	Digital		361	500	0.28	0.21	2.76oz (78.2g)	\$169.00	25T	Titanium	Overcharged is using for Swerve drive

Attribution: Many thanks to the FTC teams Schrödinger's Hat (FTC 3595), Overcharged (FTC 12599), Tesla Coils (FTC 5026) and Rise of Hephaestus (FTC 4216) for their contributions and insights in creating this list!