

Item #	Total		S994.50		1 Bot Total	5666.47		Arrived	Ordered	To-Order	Considering	Rejected	Total Weight (lb):			Wedge + Alum Front: 13.784	Fork + Steel Front: 14.409375		
	Comments	Status	Date	Name	Subgroup	Listed Product Name	Part #	Link	Vendor	\$/Item	Order Qty	Bot Qty	Spare Qty	Cost	1 Bot Cost				
Mechanical																			
Wheels	BUY SPARE IF WE HAVE THE MONEY		01/26/25	Alan	Parts	BaneBots Wheel, 2-7/8" x 0.8", Hub Mount, 60A, Black		Link	BaneBots	\$3.50	4	2	2	\$14.00	\$7.00		2.200	4.400	
Wheel Hubs				alan	Parts	T81 Hub, 1/2in Shaft		Link	BaneBots	\$4.50	2	2	0	\$9.00	\$9.00		0.400	0.800	
Gearbox	From Parts Inventory				Parts	16:1 Planetary		Link	BaneBots		0	3	-3				6.500	19.500	
Magnets					Parts	MMR-A-X8 - Neodymium Rectangular Mounting Magnet - 1 1/2" Len x 0.188" Thi		https://www.kjmagnetics.com	K&J Magnetics, Inc.	\$5.51	2	2	0	\$11.02	\$11.02		0.630	1.260	
Magnet Mounts					Machining							2	2	0			0.487	0.974	
																	0.000		
Nutstrips					Parts	Medium 2x1 FingerTech Imperial NutStrip		https://www.fingertech.com	FingerTech Robotics	\$2.70	2	2	0	\$5.40	\$5.40		0.170	0.340	
																	0.000		
Weapon Mount R					Machining							1	1	0			7.190	7.190	
Weapon Mount L					Machining							1	1	0			7.142	7.142	
Retaining Plate					Machining							2	2	0			0.421	0.842	
Weapon Motor Bracket					Machining							1	1	0			1.680	1.680	
Pulleys	16T, 3/8" Belt, Shape A, 0.25" bore	(only ordered 1)			Parts	XL Series Lightweight Timing Belt Pulleys	U-ATP16XL037-A-P0.25	Link	Misumi	\$24.96	2	1	1	\$49.92	\$24.96		0.721	0.721	
Pulleys	16T, 3/8" Belt, Shape A, 0.5" bore	(only ordered 1)			Parts	XL Series Lightweight Timing Belt Pulleys	U-ATP16XL037-A-P0.5	Link	Misumi	\$24.96	2	1	1	\$49.92	\$24.96		0.580	0.580	
Pulleys	30T, 3/8" Belt, Shape A, 0.63" bore				Parts	XL Series Lightweight Timing Belt Pulleys	U-ATP30XL037-A-P0.63	Link	Misumi	\$29.80	2	2	0	\$59.60	\$59.60		2.308	4.616	
Pulleys	32T, 3/8" Belt, Shape A, 0.63" bore				Parts	XL Series Lightweight Timing Belt Pulleys	U-ATP32XL037-A-P0.63	Link	Misumi	\$30.26	1	1	0	\$30.26	\$30.26		2.804	2.804	
Pulleys	40T, 3/8" Belt, Shape A, 0.63" bore				Parts	XL Series Lightweight Timing Belt Pulleys	U-ATP40XL037-A-P0.63	Link	Misumi	\$34.48	2	1	1	\$68.96	\$34.48		4.742	4.742	
Timing Belt	Distance: 10.978" (278.84mm)					279.4 mm XL Timing Belt for Arm Motor to Arm Shaft	TBN102XL037	https://us.misumi-eu.com	Misumi	\$6.31	2	1	1	\$12.62	\$6.31		0.000		
Timing Belt	Distance: 10.088" (256.235mm)					259.08 mm XL Timing Belt for Weapon Motor to Arm Shaft	TBN110XL037	https://us.misumi-eu.com	Misumi	\$6.31	2	1	1	\$12.62	\$6.31		0.000		
Timing Belt	Distance: 19.4" (492.76mm)					492.76 mm XL Timing Belt for Arm to Weapon	TBN194XL037	https://us.misumi-eu.com	Misumi	\$8.82	1	1	0	\$8.82	\$8.82		0.000		
Needle Bearing 5/8"					Parts	Needle-Roller Bearing, Open, for 1/2" Shaft Diameter and 11/16" Housing ID, 5/8" Wide	90050.501	master.com/catalog/131	McMasterCarr	\$6.69	2	2	0	\$13.38	\$13.38		0.284	0.568	
Thrust Bearing Washers					Parts	0.032" Thick Washer for 1/2" Shaft Diameter Needle-Roller Thrust Bearing	90050.31	master.com/catalog/131	McMasterCarr	\$1.23	12	12	0	\$14.76	\$14.76		0.071	0.852	
Thrust Bearings					Parts	Thrust Bearing	90050.31	master.com/catalog/131	McMasterCarr	\$3.91	6	6	0	\$23.46	\$23.46		0.108	0.648	
Arm Shaft					Parts	4140 Alloy Steel Rotary Shaft, 1/2" Diameter, 6" Long		Link	McMasterCarr	\$56.00	1	1	0	\$56.00	\$56.00		3.787	3.787	
																	0.000		
Needle Bearing 3/8"					Parts	Needle-Roller Bearing, Open, for 1/2" Shaft Diameter and 11/16" Housing ID, 3/8" Wide	90050.354	master.com/catalog/131	McMasterCarr	\$6.69	2	2	0	\$13.38	\$13.38		0.000		
Rubber Stoppers					Parts	Unthreaded Bumper SBR Rubber, 1/2" OD, 17/64" Counterbore Diameter		master.com/catalog/131	McMasterCarr	\$0.10	100	2	98	\$10.38	\$0.21	0.021	0.042		
2.5" Shoulder Bolt					Parts	Alloy Steel Shoulder Screw, 1/4" Shoulder Diameter, 2.5" Shoulder Length, 10-24 Thread	91259a105	master.com/catalog/131	McMasterCarr	\$3.05	2	1	1	\$6.10	\$3.05		0.000		
Aluminum Spacers					Parts	Aluminum Unthreaded Spacers, 1/2" OD, 1-3/4" Long, for 1/4" Screw Size	92511A081	master.com/catalog/131	McMasterCarr	\$4.32	4	2	2	\$17.28	\$8.64		0.000		
3" Shoulder Bolt					Parts	Alloy Steel Shoulder Screw, 1/4" Shoulder Diameter, 3" Shoulder Length, 10-24 Thread	91259a106	https://www.mcmaster.com	McMasterCarr	\$3.11	2	1	1	\$6.22	\$3.11		0.000		
Ball Bearings					Parts	Ball Bearing, Open, Trade Number RA, for 1/4" Shaft Diameter	60305a151	master.com/catalog/131	McMasterCarr	\$6.79	2	2	0	\$13.58	\$13.58		0.000		
Weapon					Machining	AR500 Steel (.375") 4.964 x 4.5 in Sawi____Weapon_Disc.dxf			SendCutSend	\$25.33	2	1	1	\$50.66	\$25.33	21.904	21.904		
Weapon Shoulder Bolt					Parts	Shoulder Bolt for Weapon Shaft 1/2"	91259A722	master.com/catalog/131	McMasterCarr	\$4.66	2	1	1	\$9.32	\$4.66		0.000		
3/16" Washers					Parts		92510a678	master.com/catalog/131	McMasterCarr	\$4.00	2	1	1	\$8.00	\$4.00				
1/8" Washers					Parts	1/8" aluminum washer	92510a695	master.com/catalog/131	McMasterCarr	\$2.47	2	1	1	\$4.94	\$2.47		0.000		
Needle Bearing 1/2"					Parts	Needle-Roller Bearing, Open, for 1/2" Shaft Diameter and 11/16" Housing ID, 1/2" Wide	90050.23	master.com/catalog/131	McMasterCarr	\$5.93	4	4	0	\$23.72	\$23.72		0.000		
Pulley Locknuts					Parts	Steel Locknut 1/4"-20	90630a110	master.com/catalog/131	McMasterCarr	\$0.18	25	2	23	\$4.50	\$0.36		0.000		
Weapon Shaft Locknut					Parts	High-Strength Steel Nylon-Insert Locknut Grade 8, 3/8"-16 Thread Size	90630a121	master.com/catalog/131	McMasterCarr	\$0.23	20	2	18	\$4.60	\$0.46		0.000		
1/4"-20 5/4" Screws					Parts	1/4"-20 5/4" screws	92048A544	master.com/catalog/131	McMasterCarr	\$0.24	25	2	23	\$6.00	\$0.48		0.000		
																	0.000		
Bottom Plate					Machining							1	1	0			16.148	16.148	
Back Plate					Machining							1	1	0			9.945	9.945	
Side Plates					Machining							2	2	0			4.743	9.486	
Top Plate Left					Machining							1	1	0			6.562	6.562	
Top Plate Right					Machining							1	1	0			6.318	6.318	
Front Plate Aluminum					Machining							2	1	1			9.879	9.879	
Front Plate Steel					Machining	AR500 Steel (.119") 457.2 x 75.157 mm Sawi____Front_Plate.dxf			SendCutSend	\$60.90	2	1	1	\$121.80	\$60.90	28.722	28.722		
Untapped Weapon Rail					Machining							2	1	1			6.933	6.933	
Tapped Weapon Rail					Machining							2	1	1			7.371	7.371	
Wedge Left					Machining	4130 Chromoly (.125") 2.528 x 9.859 in Sawi____Wedge_Right.stp			SendCutSend	40.8	1	1	0	40.8	40.8	12.998	12.998		
Wedge Right					Machining	4130 Chromoly (.125") 2.528 x 9.859 in Sawi____Wedge_Left.stp			SendCutSend	40.8	1	1	0	40.8	40.8	12.998	12.998		
																	0.000		
Fork Arm Long					Machining							8	4	4			1.306	5.224	
Fork Arm Short					Machining							8	4	4			1.086	4.264	
Fork Wedge					Machining												1.917	7.668	
Locknuts					Parts	4130 Chromoly (.125") 1.85 x 2.825 in Sawi____Fork_Wedge.stp			SendCutSend	9.85	8	4	4	78.8	39.4				
						Low-Strength Steel Nylon-Insert Locknut Zinc-Plated, 10-24 Thread Size		www.mcmaster.com/2906	McMasterCarr	\$0.05	100	18	82	\$4.80	\$0.86				
						Alloy Steel Shoulder Screw, 1/4" Shoulder Diameter, 1-1/2" Shoulder Length, 10-24 Thread		https://www.mcmaster.com	McMasterCarr	\$2.09	8	4	4	\$16.72	\$8.36				
1.5" Shoulder Bolt						Alloy Steel Shoulder Screw, 1/4" Shoulder Diameter, 3/4" Shoulder Length, 10-24 Thread		https://www.mcmaster.com	McMasterCarr	\$1.77	8	4	4	\$14.16	\$7.08				
3/4" Shoulder Bolt																			
ECS																			
Arm ESC	From Parts Inventory				ESCs	Turnigy Marine ESC 150A		com/en_us/turnigy-mar	HobbyKing		0	1	-1				6.000	6.000	
Weapon ESC	From Parts Inventory				ESCs	Strix Rocket ESC		com/products/details/vr	ReadyMadeRC		0	1	-1				1.130	1.130	
Drive ESC	From Parts Inventory				ESCs	Strix Rocket ESC		relations.com/en/0a100-1	CastleCreations		0	1	-1				1.130	1.130	
Drive ESC	From Parts Inventory				ESCs	Strix Rocket ESC		en_products/details/v	VGooodsRC		0	1	-1				1.130	1.130	
Power Switch	1/3/2025 Alan				E-Other	Whiyachi M5 OS		whiyachi.com/products/fo	Whiyachi		0	1	-1				1.000	1.000	
Battery	From Parts Inventory		1/7/2025 Alan		Batteries	61p 21.6V RED Molice! P28A/30B 2.8Ah 63Wh 400W 20A 282g		haci.page/fo-22-2c-280	UpgradeEnergy		0	1	-1				9.990	9.990	
Receiver	From Parts Inventory				E-Other	IA68 Receiver		hyprod-20a/linkCode	Amazon		0	1	-1				0.317	0.317	
Drive Motor	From Parts Inventory					PROPORIVE v2 3536 910KV Brushless Outrunner Motor		pdrive-v2-3536a-910kv	HobbyKing		0	2	-2				3.100	6.200	
Weapon Motor	From Parts Inventory					PROPORIVE v2 3530 1400KV Brushless Outrunner Motor		pdrive-v2-3530a-1400kv	HobbyKing		0	1	-1				3.170	3.170	
Arm Motor						PROPORIVE v2 3548 1100KV Brushless Outrunner Motor		pdrive-v2-3548a-1100kv	HobbyKing	\$29.10	2	1	1	\$58.20	\$29.10	6.530	6.530		
LED	From Parts Inventory											0		0					