

Material	Dimension(s)	Supplier	Quantity	Cost	Part/Feature
6061 Aluminum Plate	1/8" Thick x 2" Wide x 6" Long	<a href="#">McMaster</a>	2	\$2.07	Hardstops
M4 bolt	0.7 mm Thread, 22 mm Long	<a href="#">McMaster</a>	2	\$9.81	
M4 nut	0.7 mm Thread	<a href="#">McMaster</a>	2	\$10.28	
M5 bolt	0.8 mm Thread, 22 mm Long	<a href="#">McMaster</a>	2	\$13.49	
M5 nut	0.8 mm Thread	<a href="#">McMaster</a>	10	\$10.45	
Aluminum Square Tube	3/4" x 3/4"x 3ft	<a href="#">Home Depot</a>	1	\$12.47	cut into 3 pieces: z-bar config Brackets with bearing and 3/4" wide brackets
Aluminum 90 Angle Bracket	3" x 3" x 12" , Thickness: 1/2"	<a href="#">McMaster</a>	1	\$21.85	
R8 Ball bearing	for 1/2" Shaft Diameter	<a href="#">McMaster</a>	2	\$7.11	
1566 Carbon Steel Rod	1/2" Diameter, 12" Long	<a href="#">McMaster</a>	1	\$10.81	
Wooden Planks	0.75" x 2.5" x 6ft	<a href="#">Home Depot</a>	3	\$33.66	
316 Stainless Steel Screw	Number 10 Size, 1" Long	<a href="#">McMaster</a>	8	\$8.13	H-shape base with 2 angled supports securing angle bracket to plank
Padding	1/4" Thick x 4" Wide x 4" Long	<a href="#">Amazon</a>	1 pack	\$8.09	under wooden planks
Aluminum Plate	0.125" Thick x 4" Wide x 6" Long	ME Shop	1	---	Motor Mount
SparkFun Qwiic Scale - NAU7802	about 1" Wide x 1.4" Long	<a href="#">SparkFun</a>	1	\$16.50	Load Cell Amplifier
Flat head #12 wood screw	3" Long	<a href="#">Home Depot</a>	2	\$2.76	Secure supports to H-base
Flat head #6 wood screw	1.25" Long	<a href="#">Home Depot</a>	4	\$1.38	
M5 bolt (longer)	0.8 mm Thread, 35 mm Long		8		Attach L-brackets to tubes
				<b>Total</b>	
				\$168.86	