

Assembly Level	0	1	2	3	4	Serial Number	Manufacturer	Quantity	Total Quantity	Material	Documentation		
2	Rotating Dynamometer	Measurement Sub-Assembly	Mechanical Assembly	Assembly Name									
3				Measurement Structure					1	1	Rod, Carbon Steel, 1215, 3/8" Dia x 3 Ft.	http://edge.nyu.edu/edge/P17665/public/Operations%20Design%20Design%20Structure	
3				Electrical Assembly	Whitestone Bridge Circuit					3	3		http://edge.nyu.edu/edge/P17665/public/Operations%20Design%20Design%20Whitestone_Bridge_Circuit
4						Strain Gauges			8	24		http://www.omega.com/pptst/SGD_LIN24S_A305.html	
4						Wires			16	48	Branded Aluminum Wire		
4						Adhesive						Super Glue	
4						Bondable Terminal Pads	BTP-1	Omega	8	24			http://www.omega.com/jsp/nt/BTP04_C004B_F1204L_B16CT10S_B16.html
2				Power Assembly						1	1		http://edge.nyu.edu/edge/P17665/public/Operations%20Design%20Design%20Power_Consumption_Study
3					2500 mAh Rechargeable Battery		80DWR6A68	TrustFire	2	2			http://www.amazon.com/TrustFire-T18-18650-Rechargeable-Battery-2-Battery-Volts-3000mAh
3					TR-006 Dual Slot Battery Charger		80DA71MTU	TrustFire	1	1			http://www.amazon.com/TrustFire-Dual-Slot-Battery-Charger-110-240V-Volts-800mAh
3				Battery Storage Case		8G US-48962	C.J. Shop	1	1			http://www.amazon.com/CJ-SHOP-Plastic-Battery-Storage-Case-8011E4V-1FA/ref/a-1-3?pf_rd_p=1477331758&pf_rd_r=1846vnr0c0battery-storage-case-Plastic-Case-2x+18650-Batteries-Holder-#pf_rd_p=	
2			Computational Assembly						1	1		http://edge.nyu.edu/edge/P17665/public/Operations%20Design%20Design%20Computational	
3				Bluetooth Transceiver	Bluetooth Transceiver	INA24XP-UPM	Hoving Networks	1	1			http://www.searfun.com/products/11261/	
3				T1 Launchpad	T1 Launchpad	80P-E0W4602	Texas Instruments	1	1			http://www.ti.com/tool/T1Launchpad	
3				Operational Amplifiers	Operational Amplifiers	LM358N	Taiwan Semiconductor	10	10			http://www.omega.com/Product/Product.aspx?Item=882F36853120166	
3				USB 2.0 Bluetooth Adapter	USB 2.0 Bluetooth Adapter	UTD-87400	ASUS	1	1			http://www.digkey.com/product-detail-view/997-12702/1568-1083-ND/5239527WT.mc_id=DT-996-G_eb2320952&et_wch=1&wch=medium-usd&WT.wch=1&wch=C&H=0703&K7Y7Mhpa0i-RdIw	
3				Prototype Board for Electronics	Prototype Board for Electronics	FR1-12702	SparFun	2	2			http://www.digkey.com/product-detail-view/997-12702/1568-1083-ND/5239527WT.mc_id=DT-996-G_eb2320952&et_wch=1&wch=medium-usd&WT.wch=1&wch=C&H=0703&K7Y7Mhpa0i-RdIw	
3				Operational Amplifiers	Operational Amplifiers	INA122PA	Texas Instruments	3	3			http://www.digkey.com/product-detail-view/997-12702/1568-1083-ND/5239527WT.mc_id=DT-996-G_eb2320952&et_wch=1&wch=medium-usd&WT.wch=1&wch=C&H=0703&K7Y7Mhpa0i-RdIw	
2			Housing						1	1	PLA Plastic	http://edge.nyu.edu/edge/P17665/public/Operations%20Design%20Design%20Housing	
2			Tool Holder						1	1		http://edge.nyu.edu/edge/P17665/public/Operations%20Design%20Design%20ToolHolder	
2			Tool Adapter						1	1	Rod, Carbon Steel, 1215, 3/8" Dia x 3 Ft.	http://edge.nyu.edu/edge/P17665/public/Operations%20Design%20Design%20ToolAdapter	
2			Collection of Bits						1	1		http://edge.nyu.edu/edge/P17665/public/Operations%20Design%20Design%20CollectionOfBits	
3				1/2 in Diam. X 1 in. Length, 6 Flute		9-03179E-12	Guhring	2	2			http://www.mcdirect.com/product/details/9347831	
3				1/2 in. Diam. X 1 in. Length, 4 Flute		NS5610	Niagara Cutter	1	1			http://www.mcdirect.com/product/details/86702703	
3				1/4 in. Diam. X 3/4 in. Length, 6 Flute		9-03179E-12	Guhring	2	2			http://www.mcdirect.com/product/details/9347830	
3				1/4 in. Diam. X 3/4 in. Length, 4 Flute		NS5594	Niagara Cutter	1	1			http://www.mcdirect.com/product/details/86702746	
2			Collection of Collets						1	1		http://www.mcdirect.com/product/details/9347831	
3				1/2 in. Diameter Collet		101-895	Wanmetal	1	1			http://www.mcdirect.com/product/details/9347831	
3				1/4 in. Diameter Collet		102-476	Wanmetal	1	1			http://www.mcdirect.com/product/details/9347831	