

Bill of Materials: P17665	Rotating Dynamometer
As of Date: 11/14/16	Document Owner: Joe Amoia

Total Cost:	\$1,115.92
-------------	------------

Remaining Budget:	\$884.08
-------------------	----------

Total Safe Cost:	\$1,701.00
------------------	------------

Remaining Safe Budget:	\$299.00
------------------------	----------

Order Phase	Manufacturer Part #	Manufacturer	Description	Identity	Qty	Price	Shipping	Total Cost	Purchase Request #	Lead Time	Status	Vendor	Vendor Part #	Link	Notes
1	RN42XVP-I/RM	Roving Networks	Bluetooth Transceiver	EE	1	\$24.95	\$5.09	\$30.04	#1989			SparkFun	WRL-11601 ROHS	https://www.sparkfun.com	
1	MSP-EXP430G2	Texas Instruments	TI Launchpad	EE	1	\$9.99	\$7.99	\$21.58	#1994			Mouser	595-MSP-EXP430G2	http://www.mouser.com	
1	LM358N	Fairchild Semiconductor	Operational Amplifiers	EE	10	\$0.36						Mouser	512-LM358N	http://www.mouser.com	
1	USB-BT400	ASUS	USB 2.0 Bluetooth Adapter	EE	1	\$12.99	\$0.00	\$12.99	#1999			Newegg	USB-BT400	http://www.newegg.com	
1	PRT-12702	SparkFun	Prototype Board for Electronics	EE	2	\$2.95	\$2.83	\$8.73	#2004			Digi-Key	1568-1083-ND	http://www.digikey.com	
1	B00DW8AX68	TrustFire	2500 mAH Rechargeable Battery	EE	2	\$25.05	\$4.69	\$54.79	#2094			Amazon	53580	https://www.amazon.com	
1	B00A7L1MTU	TrustFire	TR-006 Dual-Slot Battery Charger	EE	1	\$12.79	\$6.43	\$19.22	#2029			Amazon	B00A7L1MTU	https://www.amazon.com	
1	BG-US-48962	C.J. Shop	Battery Storage Case	EE	1	\$3.98	\$0.00	\$3.98	#2034			Amazon	BG-US-48962	https://www.amazon.com	
2	INA122PA	Texas Instruments	Operational Amplifiers	EE	3	\$6.04	\$8.44	\$26.56	#2279			Digi-Key	INA122PA-ND	http://www.digikey.com	
1	2AHL2	Grainger	Carbon Steel, 1215, 3 in. Dia x 3 Ft.	ME	1	\$219.15	\$0.00	\$219.15	#2024			Grainger	2AHL2	https://www.grainger.com	
2	1015595	Kennemetal	Tool Holder	ME	1	\$176.02						Fastenal	3373557	https://www.fastenal.com	
2	1014935	Kennemetal	1/2 in. Diameter Collet	ME	1	\$19.59	\$0.00	\$215.20	Deleted Request, Will Order later			Fastenal	3373439	https://www.fastenal.com	
2	1014726	Kennemetal	1/4 in. Diameter Collet	ME	1	\$19.59						Fastenal	3373359	https://www.fastenal.com	
2	9031790127000	Guhring	1/2 in Diam. X 1 in. Length, 6 Flute	ME	2	\$71.82						MSC	89478671	http://www.msdirect.com	
2	N85610	Niagara Cutter	1/2 in. Diam. X 1 in. Length, 4 Flute	ME	1	\$69.54	\$0.00	\$294.68	Will Order Later			MSC	36702702	http://www.msdirect.com	
2	9031790063500	Guhring	1/4 in. Diam. X 3/4 in Length, 6 Flute	ME	2	\$28.25						MSC	89478705	http://www.msdirect.com	
2	N85594	Niagara Cutter	1/4 in. Diam x 3/4 in. Length, 4 Flute	ME	1	\$25.00						MSC	36702546	http://www.msdirect.com	
2	SGD-3/350-LY41	Omega	Strain Gauges	EE	3	\$56.00	\$0.00	\$168.00	Will Order Later			Omega	SGD-3/350-LY41	http://www.omega.com	1 Qty = 10 Gauges
2	BTP-1	Omega	Bondable Terminal Pads	EE	1	\$41.00	\$0.00	\$41.00				Omega	BTP-1	http://www.omega.com	Pack of 70
-	-	-	Wiring	EE	1				Customer Provided			-	-	-	-
-	-	-	Adhesive	ME	1							-	-	-	-

Key	
	Not Ordered
	Ordered
	Shipped
	Delivered
	Same Order
Safe Cost	Cost when doubling EE Costs