

Item	Part number	Website link	Qty	Unit	Price per unit	Price total
Mechanical parts						
Ball bearings (for elbows)- 5/16" shaft dia.	McMaster- 6383K15	http://www.mcmaster.com/#6383K15	8	pc	\$4.20	\$33.60
Flanged bearings (for shoulders)- 5/16" shaft dia.	McMaster- 6383K215	http://www.mcmaster.com/#6383K215	4	pc	\$4.23	\$16.92
Shaft- 5/16" dia., 7" long	McMaster- 1327K126	http://www.mcmaster.com/#1327K126	1	pc	\$6.94	\$6.94
Shaft collar	McMaster- 9414T7	http://www.mcmaster.com/#9414T7	5	pc	\$0.66	\$3.30
Duron 18"x24", 1/4-in thick		Product Realization Lab	5	pc	\$4.00	\$20.00
Washer	McMaster- 93852A103	http://www.mcmaster.com/#93852A103	2	box	\$5.60	\$11.20
L-brackets	McMaster- 15275A51	http://www.mcmaster.com/#15275A51	8	pc	\$0.65	\$5.20
8-32 screws for brackets	McMaster- 91735A205	http://www.mcmaster.com/#91735A205	1	box	\$7.99	\$7.99
Nuts for 8-32 screws	McMaster- 90480A009	http://www.mcmaster.com/#90480A009	1	box	\$1.49	\$1.49
7/8 screws	McMaster- 91251A114	http://www.mcmaster.com/#91251A114	1	box	\$9.90	\$9.90
1 1/8 screws	McMaster- 91251A209	http://www.mcmaster.com/#91251A209	2	box	\$7.50	\$15.00
Washer for 4-40 screws	McMaster- 90126A505	http://www.mcmaster.com/#90126A505	1	box	\$1.09	\$1.09
Nuts for 4-40 screws	McMaster- 90480A005	http://www.mcmaster.com/#90480A005	2	box	\$0.81	\$1.62
Shoulder screws	McMaster- 91259A630	http://www.mcmaster.com/#91259A630	4	pc	\$1.64	\$6.56
Shoulder screws nuts 5/16"-18	McMaster- 99129A051	http://www.mcmaster.com/#99129A051	1	pc	\$3.40	\$3.40
4-40 Set screw	McMaster- 92311A102	http://www.mcmaster.com/#92311A102	1	pc	\$3.56	\$3.56
Capstan cable	McMaster- 3461T62	http://www.mcmaster.com/#3461T62	10	feet	\$1.32	\$13.20
Electronic parts						
Button: rotary knob and push button	RadioShacks		1	pc	\$3.00	\$3.00
Items provided by the instructor						
Maxon motors, Motor RE25+tacho ENC HEDS	Maxon Motor- 135053.00	http://test.maxonmotor.com/docsx/Downlo http://www.aviton.spb.ru/files/doc/pdf/max	2	pc	\$293.30	\$586.60
Arduino board	Sparkfun- DEV-11021	https://www.sparkfun.com/products/11021	2	pc	\$26.06	\$52.12
Arduino shield	Sparkfun- DEV-09815	https://www.sparkfun.com/products/9815	2	pc	\$22.46	\$44.92
					Total price	\$847.61
					Total price without provided items	\$163.97