

Qty Needed	Qty On Hand	Qty to Purchase	Qty Per Pack	Pack Total	Notes	Vendor	Part number	Description	Name	Material
COTS Parts										
1	1	0	1	0		Kettering University	-		Lebow 3136-500Kg	- None -
2	2	0	1	0		Facebook Marketplace	-		Treadmill Roller	- None -
1	1	0	1	0		Kettering University	-		Tire	- None -
1	1	0	1	0		Facebook Marketplace	-		Treadmill Belt	Glass-filled polyester (35%)
1	1	0	1	0	Purchased by Controls Team	RSP Supply	NAE PE184T-5-4-ODP	https://rpsupply.com	NAE PE184T-5-4-ODP Motor	- None -
1	1	0	1	0	Purchased by Controls Team	Progressive Automations	PA-04-6-900-HS-12VDC	https://www.progressiveautomation.com	PA-04-6	- None -
2	0	2	2	1		Amazon	R12-2RS	https://www.amazon.com	3/4" ID, 1-5/8" OD, 7/16" WD Bearing (R12-2RS)	- None -
123	0	123	320	1		West Coast Products	WCP-0770	https://www.westcoastproducts.com	#35 Chain Link	Steel
2	0	2	1	2		West Coast Products	WCP-0780	FR6ZZ-L	0.375" ID Bearing (1.125" OD, 0.313" WD, Shielded, Flanged)	Alloy Steel
1	0	1	1	1		REV Robotics	REV-21-3715		18t Aluminum Sprocket (#35, MAXSpline Bore, Double Hub)	Aluminum - 6061
1	0	1	1	1		REV Robotics	REV-21-3719		32t Aluminum B 32t Aluminum Billet Sprocket (#35, MAXSpline Bore)	Aluminum - 6061
4	0	4	10	1		McMaster-Carr	95479A122	https://www.mcmaster.com	1/2"-20 Nut (MMC-95479A122)	- None -
1	0	1	1	1		McMaster-Carr	60645K16	https://www.mcmaster.com	Ball Joint Rod End 1/2"-20 Thread, Right Handed (MMC-60645K16)	- None -
1	0	1	5	1		McMaster-Carr	91251A012	https://www.mcmaster.com	1/2"-20, 1" (MMC-91251A012)	300 Series Stainless Steel
1	0	1	5	1		McMaster-Carr	91251A030	https://www.mcmaster.com	1/2"-20, 4-1/2" (MMC-91251A030)	300 Series Stainless Steel
24	0	24	25	2		McMaster-Carr	90630A110	https://www.mcmaster.com	1/4"-20 Nylock Nut (MMC-90630A110)	300 Series Stainless Steel
16	0	16	50	1		McMaster-Carr	91251A542	https://www.mcmaster.com	1/4"-20, 1" Bolt (MMC-91251A542)	300 Series Stainless Steel
16	0	16	25	1		McMaster-Carr	91251A552	https://www.mcmaster.com	1/4"-20, 2-1/2" Bolt (MMC-91251A552)	300 Series Stainless Steel
8	0	8	5	2		McMaster-Carr	91251A090	https://www.mcmaster.com	1/4"-20, 5" Bolt (MMC-91251A090)	300 Series Stainless Steel
20	0	20	10	3		McMaster-Carr	91255A274	https://www.mcmaster.com	10-32, 1-1/4" Screw (MMC-91255A274)	300 Series Stainless Steel
12	0	12	100	1		McMaster-Carr	91255A263	https://www.mcmaster.com	10-32, 3/8" Screw (MMC-91255A263)	300 Series Stainless Steel
21	0	21	20	2		McMaster-Carr	90630A121	https://www.mcmaster.com	3/8-16 Nylock (MMC-90630A121)	300 Series Stainless Steel
9	0	9	50	1		McMaster-Carr	98180A130	https://www.mcmaster.com	3/8" Washer (MMC-98180A130)	300 Series Stainless Steel
1	0	1	10	1		McMaster-Carr	91274A320	https://www.mcmaster.com	3/8"-16, 1-3/4" Bolt (MMC-91274A320)	300 Series Stainless Steel
6	0	6	25	1		McMaster-Carr	91251A624	https://www.mcmaster.com	3/8"-16, 1" (MMC-91251A624)	300 Series Stainless Steel
1	0	1	5	1		McMaster-Carr	90044A147	https://www.mcmaster.com	3/8"-16, 2-1/4" Bolt (MMC-90044A147)	300 Series Stainless Steel
5	0	5	10	1		McMaster-Carr	91251A636	https://www.mcmaster.com	3/8"-16, 3" Bolt (MMC-91251A636)	300 Series Stainless Steel
4	0	4	5	1		McMaster-Carr	91251A642	https://www.mcmaster.com	3/8"-16, 4-1/2" Long Bolt (MMC-91251A642)	300 Series Stainless Steel
8	0	8	1	8		McMaster-Carr	6338K436	https://www.mcmaster.com	Oil-Embedded 841 Bronze Flanged Sleeve Bearing (MMC-6338K436)	Bronze (8-14% Sn)
1	0	1	1	1		McMaster-Carr	6236K266	https://www.mcmaster.com	45T Sprocket (MMC-6236K266)	Carbon Steel
1	0	1	1	1		McMaster-Carr	5872K12	https://www.mcmaster.com	Conveyor Roller Cover (MMC-5872K12)	Polyurethane
4	0	4	1	4		McMaster-Carr	3014T471	https://www.mcmaster.com	Steel Eyebolt (MMC-3014T471)	Steel
4	0	4	1	4		McMaster-Carr	92415A163	https://www.mcmaster.com	1" ID, 1-1/2" OD, 3/8" WD Spacer (MMC-92415A163)	
36	0	36	100	1		McMaster-Carr	91251A537	https://www.mcmaster.com	1/4"-20, 1/2" Bolt (MMC-91251A537)	
16	0	16	1	16		McMaster-Carr	91247A867	https://www.mcmaster.com	7/8"-9, 4" Bolt (MMC-91247A867)	Stainless Steel
Custom Parts										
2	0	2	1	2		Fabworks			CUSTOM, End Cap Spacer	Aluminum - 6061
1	0	1	1	1		Fabworks			CUSTOM, Motor Plate	Steel 1018
8	0	8	1	8		Fabworks	https://www.fabworks.com/share/mwiSNA		CUSTOM, Pivot Bolt Bracket	Steel 1018
1	0	1	1	1		McMaster-Carr	4296A38	https://www.mcmaster.com	CUSTOM, Plastic Skid Plate	HDPE (High-Density Polyethylene)
4	0	4	1	4		McMaster-Carr	1886K61	https://www.mcmaster.com	CUSTOM, Arm Pivot Shaft/Arm Carriage Shaft	Steel 1018
1	0	1	1	1		McMaster-Carr	8920K195	https://www.mcmaster.com	CUSTOM, Dead Axle Shaft	Steel 1018
1	0	1	1	1	24" Material Stock	Online Metals	-	https://www.onlinemetals.com	CUSTOM, Crowned Roller	Aluminum - 6061
1	0	1	1	1	3" Cut	Online Metals	-	https://www.onlinemetals.com	CUSTOM, Linear Actuator Rod End	Aluminum - 6061
2	0	2	1	2	8" x 8" Material Stock	Online Metals	-	https://www.onlinemetals.com	CUSTOM, Roller End Cap	Aluminum - 6061
1	0	1	1	1		Kettering University		3D Printed	CUSTOM, 48t Custom HTD 5mm Pulley (0.375" Wide, *1.25" Circular Bore)	3D Printed PLA
2	0	2	1	2		Kettering University		3D Printed	CUSTOM, Arm Crush Block	3D Printed PLA
2	0	2	1	2		Kettering University		3D Printed	CUSTOM, Dead Axle Spacer	3D Printed PLA
2	0	2	1	2		Kettering University		3D Printed	CUSTOM, Linear Actuator Bottom Spacer	3D Printed PLA
2	0	2	1	2		Kettering University		3D Printed	CUSTOM, Linear Actuator Top Spacer	3D Printed PLA
1	0	1	1	1		Kettering University		3D Printed	CUSTOM, Motor Spacer	3D Printed PLA
4	0	4	1	4		Kettering University		3D Printed	CUSTOM, Tensioner Slider Block	3D Printed PLA
1	0	1	1	1				3/8" Thick	CUSTOM, Carriage to Hub Plate	Steel 1018

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