

**P14031 Bill of Materials (Updated 5/12/14)**

LINE ITEM	SYSTEM PART	PART NUMBER	DESCRIPTION	Qty Needed	Pkg Qty	Order Qty	Pkg Cost	Total Cost	SUPPLIER	Notes
1	Braking Device	31435A311	Press-Fit Drill Bushing with Head 0.75 ID x 0.5L	1	1	1	\$ 10.41	\$ 10.41	McMaster	
2	Braking Device	91259A124	0.75ODx1L Shoulder Bolt	1	1	1	\$ 8.80	\$ 8.80	McMaster	
3	Braking Device	31165T47	1 7/8" L Stainless Steel Carabiner	1	1	1	\$ 5.96	\$ 5.96	McMaster	
4	Braking Device	93852A107	1.75ODx0.16L Steel Washer	1	5	1	\$ 6.86	\$ 6.86	McMaster	
5	Braking Device	3013T341	1/4-in- 20 x 1-in Zinc-Plated Plain Eye Bolt	1	1	1	\$ 3.95	\$ 3.95	McMaster	
6	Braking Device	91839A123	1/4-20 Stainless Steel Locknuts	4	5	1	\$ 8.28	\$ 8.28	McMaster	
7	Braking Device	91255A547	1/4-20 x 2.50" Steel Button Head Screw	4	10	1	\$ 7.35	\$ 7.35	Lowe's	
8	Braking Device	SKU: 159600	Rope Pulleys 1.5" Double Pulleys	2	1	2	\$ 4.29	\$ 8.58	ProTool (from Amazon)	<a href="http://www.amazon.com/Premium-Rope-Pulleys-Choose-Swivel-eye/dp/B0073JKNaE/ref=sr_1_2?ie=UTF8&amp;qid=1309192184&amp;sr=1&amp;keywords=pulley">http://www.amazon.com/Premium-Rope-Pulleys-Choose-Swivel-eye/dp/B0073JKNaE/ref=sr_1_2?ie=UTF8&amp;qid=1309192184&amp;sr=1&amp;keywords=pulley</a>
9	Braking Device	1692K460	Brake Spring	1	1	1	\$ 8.08	\$ 8.08	McMaster	
10	Braking Device	349205	3/8" Braided Nylon Rope (10 ft)	1	1	1	\$ 15.98	\$ 15.98	Lowe's	
11	Base	349205	3/8" Braided Nylon Rope (8 ft)	1						
12	Braking Device	Marine Fir 1/2" G2S	6.5x6in Marine Plywood Rectangle	1						
13	Base	Marine Fir 1/2" G2S	36x29in Marine Plywood Trapezoid	1						
14	Base	Marine Fir 1/2" G2S	36x2.875 in Marine Plywood Rectangle	2						
15	Base	Marine Fir 1/2" G2S	12x1in Marine Plywood Rectangle	1						
16	Base	Marine Fir 1/2" G2S	6x1in Marine Plywood Rectangle	1						
17	Base	Marine Fir 1/2" G2S	1x1in Marine Plywood Square	3						
18	Chair Assy	Marine Fir 1/2" G2S	25in Dia Marine Plywood Circle	1						
19	Chair Assy	Marine Fir 1/2" G2S	10x21in Marine Plywood Rectangle	1						
20	Base	KIT11283	500mm dia Bearing (550lb capacity)	1	1	1	\$ 57.04	\$ 57.04	VXB	Purchased from Amazon
21	Base	7788557	8" Nonskid Raised Pebble Screw-In Deck Plate, 10-1/8" Flange, 8-1/2" Cutout, White	1	1	1	\$ 27.99	\$ 27.99	West Marine	
22	Base	90101	BEHR Premium 1-Gal Silver Gray Epoxy	1	1	1	\$ 31.98	\$ 31.98	Home Depot	Don't need full gal
23	Base	8982K18	5in x 2in x 3/16 Al Angle Stock	4						
24	Securing Device	8982K18	6.75 in x 2 in x 3/16 Al Angle Stock	2	1	1	\$ 26.43	\$ 26.43	McMaster	Same angle stock length is used for multiple components
25	Securing Device	6546K34	1"-sq Aluminum Tube (14" Length, 3/16" thick)	2	1	1	\$ 18.73	\$ 18.73	McMaster	
26	Securing Device	9546K185	Rubberized Standoffs 1/4-20 Stud	4	1	4	\$ 10.53	\$ 42.12	McMaster	
27	Securing Device	92196A642	3/8-16 x 4.5L SHCS	4	1	4	\$ 1.27	\$ 5.08	McMaster	
28	Securing Device	95150A190	3/8-16 Thumb Nut	4	1	4	\$ 5.46	\$ 21.84	McMaster	
29	Chair Assy	4881K217	2in dia-sch 80 PVC Flange	4	1	4	\$ 10.92	\$ 43.68	McMaster	
30	Chair Assy	C4810HD2	2in dia-sch 40 PVC 45deg Wye Splitter (NIBCO Brand)	4	1	4	\$ 2.97	\$ 11.88	Home Depot	
31	Chair Assy	23833	2in dia-sch 40 PVC Tube 2.50" L	4						
32	Chair Assy	23833	2in dia-sch 40 PVC Tube 3.00" L	2						
33	Chair Assy	23833	2 in dia-sch 40 PVC Tube 3.38" L	4						
34	Chair Assy	23833	2in dia-sch 40 PVC Tube 4.23" L	2						
35	Chair Assy	23833	2in dia-sch 40 PVC Tube 4.50" L	3						
36	Chair Assy	23833	2in dia-sch 40 PVC Tube 5.50" L	2						
37	Chair Assy	23833	2in dia-sch 40 PVC Tube 6.25" L	2						
38	Chair Assy	23833	2in dia-sch 40 PVC Tube 15.5" L	1						
39	Chair Assy	23910	2in dia-sch 40 PVC 90deg Elbow (LASCO Brand)	4	1	4	\$ 1.62	\$ 6.48	Lowe's	
40	Chair Assy	23908	2in dia-sch 40 PVC 90deg Tees (LASCO Brand)	4	1	4	\$ 2.45	\$ 9.80	Lowe's	
41	Chair Assy	23895	2in dia-sch 40 PVC 45deg Elbow (LASCO Brand)	2	1	2	\$ 2.26	\$ 4.52	Lowe's	
42	Chair Assy	92196A640	3/8 - 16 x 4" SHCS	4	5	1	\$ 8.49	\$ 8.49	McMaster	
43	Chair Assy	92210A630	3/8-16 x 1.75L Flat Head Bolts	16	10	2	\$ 7.99	\$ 15.98	McMaster	
44	Chair Assy	9489T523	1/4-20 x 3.5" Eyebolt	2	1	2	\$ 2.80	\$ 5.60	McMaster	
45	Chair Assy	92673A113	1/4 -20 SS nuts	2	50	1	\$ 3.79	\$ 3.79	McMaster	
46	Chair Assy	150887	PVC Primer/Cement	1	1	1	\$ 7.48	\$ 7.48	Lowe's	
47	Misc	389	GORILLA Super Glue Adhesive (0.70 oz)	1	1	1	\$ 5.98	\$ 5.98	Lowe's	
48	Misc	152243	GORILLA Polyurethane Adhesive (2-oz)	1	1	1	\$ 4.98	\$ 4.98	Lowe's	
49	Misc	90107A051	1" OD Steel Washer	48	50	1	\$ 7.61	\$ 7.61	McMaster	
50	Misc	97763A267	1/4-20 x 1"L Button Head Bolt	12	25	1	\$ 7.73	\$ 7.73	McMaster	
51	Misc	90715A145	3/8-16 Steel Locknut	20	25	1	\$ 8.00	\$ 8.00	McMaster	
52	Misc	51362	0.5" L Plywood Screw	6	14	1	\$ 1.18	\$ 1.18	Lowe's	
53	Misc	68131	0.75" L Plywood Screw	47	100	1	\$ 5.58	\$ 5.58	Lowe's	
54	Misc	68135	1.5" L Plywood Screw	14	50	1	\$ 5.58	\$ 5.58	Lowe's	
55	Misc	90945A761	SS Flat Washer ID .26" OD .47"	84	100	1	\$ 10.85	\$ 10.85	McMaster	
56	Misc	545504	Valspar 12-oz Dark Palomino Flat Spray Paint	2	1	2	\$ 3.98	\$ 7.96	Lowe's	
57	Misc	386166	0.94" Painters Tape	1	1	1	\$ 3.93	\$ 3.93		
58	Chair Assy	618-00	Picnic Time Ventura Portable Reclining Seat	1	1	1	\$ 55.00	\$ 55.00	Amazon	The seat can be chosen based on user preference
								\$ 639.63	<b>Total Component Cost</b>	
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