

Shaft		1 ss	7.8	3.175			0.47244	0.556579	4.341317				1.25			0.186		3.175	0	0	0.47244
encoder disk		1 al	2.7	0.15748			5.08	3.191852	8.618				0.062			2		0.15748	0	0	5.08
gear		1 ss	7.8	0.46482			1.42748	0.7439	5.802423				0.183			0.562		0.46482	0	0	1.42748
hub		1 ss	7.8	0.555752			0.9525	0.396005	3.088841				0.2188			0.375		0.555752	0	0	0.9525
spacer		2 ss	7.8	0.07874			1.11252	0.076542	1.194058				0.031			0.438		0.07874	0	0	1.11252
paddle		4 al	2.7	0.39624	1.27	1.7526		0.881952	9.525079				0.156	0.5	0.69			0.39624	1.27	1.7526	0
armature est.		1 various	5	2.45			1.5	4.329507	21.64754												
										54.21725											
Angle Bracket																					
side plate		2 al	2.7	0.3175	3.7871	5.4928		6.604566	35.66466												
Cut off		-1 al	2.7	0.3175	3.7871	3.1179		3.748976	-10.1222												
Cutout		-2 al	2.7	0.3175	1.7399	2.9921		1.652891	-8.92561												
fillet		2 al	2.7	0.3175	0.635	0.635		0.128024	0.691329												
fillet		-2 al	2.7	0.3175			0.635	0.10055	-0.54297												
cutout		-1 al	2.7	0.3175	2.3135	2.8101		2.06412	-5.57312												
fillet		1 al	2.7	0.3175	1.2027	0.9901		2.06412	-5.57312												
Fillet		-2 al	2.7	0.3175			0.635	0.10055	-0.54297												
top		1 al	2.7	0.3175	2.3749	1.9037		1.435448	3.875711												
filet		0.5 al	2.7	2.3749	0.635	0.635		0.957619	1.292786												
filet		-0.5 al	2.7	2.3749			0.635	0.752112	-1.01535												
Bottom		1 al	2.7	0.3175	5.4928	1.9037		3.319984	8.963958												
filet		0.5 al	2.7	5.4928	0.635	0.635		2.214834	2.990026												
filet		-0.5 al	2.7	5.4928			0.635	1.739527	-2.34836												
										18.83472											
Slider																					
blank		1 al	2.7	1.3894	6.717	5.9995		55.99093	151.1755												
cutout		-1 al	2.7	0.5994	5.7671	5.9995		20.73907	-55.9955												
cutout		-1 al	2.7	0.0762	4.5656	5.9995		2.087218	-5.63549												
rail		2 ss	7.8	0.5994	0.5512	5.9995		1.98217	30.92186												
base		1 al	2.7	0.4775	3.7033	2.1895		3.871749	10.45372												
block		1 al	2.7	2.6975	2.54	2.1895		15.00169	40.50456												
ball Nut		1 ss	7.8	0.5			2.1	1.731803	13.50806												
										184.9327	442.4335	Total Sliding parts									
Slider Base (stationary)																					
Blank		1 al	2.7	1.7475	13.3629	6.717		156.8532	423.5035												
cut-away		-1 al	2.7	0.4775	7.5159	6.717		24.10625	-65.0869												
cut-away		-2 al	2.7	0.5994	1.676	6.717		6.747861	-36.4384												
cut-away		-2 al	2.7	0.0762	1.0757	6.717		0.550581	-2.97314												
rail		2 ss	7.8	0.5994	0.59995	6.717		2.415501	37.68181												
pedestal		1 al	2.7	0.4775	3.7033	5.2121		9.216691	24.88506												
										381.5719											
ball screw mount																					
base		1 al	2.7	0.4775	3.7033	5.2121		9.216691	24.88506												
block		1 al	2.7	0.4775	3.7033	5.2121		9.216691	24.88506												
bore		-1 al	2.7	1.4021			2.3698	6.184324	-16.6977												
Bore		-1 al	2.7	3.175			2.54	16.08796	-43.4375												
bore		1 var	5	1.4021			2.3698	6.184324	30.92162												
Ball screw drive		1 var	5	3.175			2.54	16.08796	80.43981												
Ball Screw		1 ss	7.8	10.5575			0.5995	2.98009	23.2447												
										124.2411											
Motor & Gearhead																					
motor		1 var	5	3.159			1.905	9.003875	45.01938												
Gearbox		1 var	5	2.5044	2.7594	2.2225		15.3589	76.7945												
armature est.		1 various	5	2.45			1.5	4.329507	21.64754												
										143.4614	649.2744	Total Stationary parts									