

Angle of Wire	Force on Pulleys Radians	Force in X direction	Distance Mount Shifts L/R	Degrees Bike of Bike Tilt
90	1.570796327	300		
89	1.553343035	300	28.64498	42.73891
88	1.535889742	300	14.31813	24.79104
87	1.51843645	300	9.54057	17.10629
86	1.500983157	301	7.15033	12.98845
85	1.483529865	301	5.71503	10.44552
84	1.466076572	302	4.75718	8.72441
83	1.448623279	302	4.07217	7.48355
82	1.431169987	303	3.55768	6.54685
81	1.413716694	304	3.15688	5.81465
80	1.396263402	305	2.83564	5.22643
79	1.378810109	306	2.57228	4.74335
78	1.361356817	307	2.35232	4.33935
77	1.343903524	308	2.16574	3.99633
76	1.326450232	309	2.00539	3.70131
75	1.308996939	311	1.86603	3.44473
74	1.291543647	312	1.74371	3.21942
73	1.274090354	314	1.63543	3.01988
72	1.256637062	315	1.53884	2.84183
71	1.239183769	317	1.45211	2.68189
70	1.221730477	319	1.37374	2.53735
69	1.204277184	321	1.30254	2.40601
68	1.186823892	324	1.23754	2.28608
67	1.169370599	326	1.17793	2.17606
66	1.151917307	328	1.12302	2.07471
65	1.134464014	331	1.07225	1.98100
64	1.117010722	334	1.02515	1.89405
63	1.099557429	337	0.98131	1.81309
62	1.082104136	340	0.94036	1.73749
61	1.064650844	343	0.90202	1.66670
60	1.047197551	346	0.86603	1.60022
59	1.029744259	350	0.83214	1.53763
58	1.012290966	354	0.80017	1.47858
57	0.994837674	358	0.76993	1.42274
56	0.977384381	362	0.74128	1.36981
55	0.959931089	366	0.71407	1.31955
54	0.942477796	371	0.68819	1.27174
53	0.925024504	376	0.66352	1.22617
52	0.907571211	381	0.63997	1.18266
51	0.890117919	386	0.61745	1.14105
50	0.872664626	392	0.59588	1.10119
49	0.855211334	398	0.57518	1.06296
48	0.837758041	404	0.55531	1.02624
47	0.820304749	410	0.53618	0.99090
46	0.802851456	417	0.51777	0.95687
45	0.785398164	424	0.50000	0.92405
44	0.767944871	432	0.48284	0.89235
43	0.750491579	440	0.46626	0.86170
42	0.733038286	448	0.45020	0.83203
41	0.715584993	457	0.43464	0.80328
40	0.698131701	467	0.41955	0.77539
39	0.680678408	477	0.40489	0.74830
38	0.663225116	487	0.39064	0.72197
37	0.645771823	498	0.37678	0.69634
36	0.628318531	510	0.36327	0.67139
35	0.610865238	523	0.35010	0.64705
34	0.593411946	536	0.33725	0.62331
33	0.575958653	551	0.32470	0.60011
32	0.558505361	566	0.31243	0.57744
31	0.541052068	582	0.30043	0.55525
30	0.523598776	600	0.28868	0.53353
29	0.506145483	619	0.27715	0.51224
28	0.488692191	639	0.26585	0.49135
27	0.471238898	661	0.25476	0.47085
26	0.453785606	684	0.24387	0.45072
25	0.436332313	710	0.23315	0.43092
24	0.418879021	738	0.22261	0.41144
23	0.401425728	768	0.21224	0.39226
22	0.383972436	801	0.20201	0.37337
21	0.366519143	837	0.19193	0.35473
20	0.34906585	877	0.18199	0.33635
19	0.331612558	921	0.17216	0.31820
18	0.314159265	971	0.16246	0.30026
17	0.296705973	1026	0.15287	0.28253
16	0.27925268	1088	0.14337	0.26499
15	0.261799388	1159	0.13397	0.24762
14	0.244346095	1240	0.12466	0.23041
13	0.226892803	1334	0.11543	0.21335
12	0.20943951	1443	0.10628	0.19643
11	0.191986218	1572	0.09719	0.17963
10	0.174532925	1728	0.08816	0.16295
9	0.157079633	1918	0.07919	0.14637
8	0.13962634	2156	0.07027	0.12988
7	0.122173048	2462	0.06139	0.11347
6	0.104719755	2870	0.05255	0.09713
5	0.087266463	3442	0.04374	0.08085
4	0.06981317	4301	0.03496	0.06462
3	0.052359878	5732	0.02620	0.04843
2	0.034906585	8596	0.01746	0.03227
1	0.017453293	17190	0.00873	0.01613

