



OPTIMUMS: For Drivers

Club Speed (mph)	Ball Velocity (mph)	Launch Angle (degrees)	Total Spin (rpm)	Club Speed (mph)	Ball Velocity (mph)	Launch Angle (degrees)	Total Spin (rpm)
150.0	225.0	7.5	1496	119.5	179.3	11.5	2139
149.5	224.3	7.6	1507	119.0	178.5	11.6	2149
149.0	223.5	7.6	1517	118.5	177.8	11.7	2160
148.5	222.8	7.7	1528	118.0	177.0	11.7	2171
148.0	222.0	7.8	1538	117.5	176.3	11.8	2181
147.5	221.3	7.8	1549	117.0	175.5	11.9	2192
147.0	220.5	7.9	1559	116.5	174.8	11.9	2202
146.5	219.8	8.0	1570	116.0	174.0	12.0	2213
146.0	219.0	8.0	1580	115.5	173.3	12.1	2223
145.5	218.3	8.1	1591	115.0	172.5	12.1	2234
145.0	217.5	8.2	1601	114.5	171.8	12.2	2244
144.5	216.8	8.2	1612	114.0	171.0	12.3	2255
144.0	216.0	8.3	1622	113.5	170.3	12.3	2265
143.5	215.3	8.4	1633	113.0	169.5	12.4	2276
143.0	214.5	8.4	1644	112.5	168.8	12.5	2287
142.5	213.8	8.5	1654	112.0	168.0	12.5	2297
142.0	213.0	8.6	1665	111.5	167.3	12.6	2308
141.5	212.3	8.6	1675	111.0	166.5	12.6	2318
141.0	211.5	8.7	1686	110.5	165.8	12.7	2329
140.5	210.8	8.8	1696	110.0	165.0	12.8	2339
140.0	210.0	8.8	1707	109.5	164.3	12.8	2350
139.5	209.3	8.9	1717	109.0	163.5	12.9	2360
139.0	208.5	9.0	1728	108.5	162.8	13.0	2371
138.5	207.8	9.0	1738	108.0	162.0	13.0	2381
138.0	207.0	9.1	1749	107.5	161.3	13.1	2392
137.5	206.3	9.2	1760	107.0	160.5	13.2	2402
137.0	205.5	9.2	1770	106.5	159.8	13.2	2413
136.5	204.8	9.3	1781	106.0	159.0	13.3	2424
136.0	204.0	9.3	1791	105.5	158.3	13.4	2434
135.5	203.3	9.4	1802	105.0	157.5	13.4	2445
135.0	202.5	9.5	1812	104.5	156.8	13.5	2455
134.5	201.8	9.5	1823	104.0	156.0	13.6	2466
134.0	201.0	9.6	1833	103.5	155.3	13.6	2476
133.5	200.3	9.7	1844	103.0	154.5	13.7	2487
133.0	199.5	9.7	1854	102.5	153.8	13.8	2497
132.5	198.8	9.8	1865	102.0	153.0	13.8	2508
132.0	198.0	9.9	1875	101.5	152.3	13.9	2518
131.5	197.3	9.9	1886	101.0	151.5	14.0	2529
131.0	196.5	10.0	1897	100.5	150.8	14.0	2539
130.5	195.8	10.1	1907	100.0	150.0	14.1	2550
130.0	195.0	10.1	1918	99.5	149.3	14.2	2561
129.5	194.3	10.2	1928	99.0	148.5	14.2	2571
129.0	193.5	10.3	1939	98.5	147.8	14.3	2582
128.5	192.8	10.3	1949	98.0	147.0	14.4	2592
128.0	192.0	10.4	1960	97.5	146.3	14.4	2603
127.5	191.3	10.5	1970	97.0	145.5	14.5	2613
127.0	190.5	10.5	1981	96.5	144.8	14.6	2624
126.5	189.8	10.6	1991	96.0	144.0	14.6	2634
126.0	189.0	10.7	2002	95.5	143.3	14.7	2665
125.5	188.3	10.7	2012	95.0	142.5	14.8	2695
125.0	187.5	10.8	2023	94.5	141.8	14.8	2726
124.5	186.8	10.9	2034	94.0	141.0	14.9	2756
124.0	186.0	10.9	2044	93.5	140.3	15.0	2787
123.5	185.3	11.0	2055	93.0	139.5	15.0	2817
123.0	184.5	11.1	2065	92.5	138.8	15.1	2848
122.5	183.8	11.1	2076	92.0	138.0	15.2	2878
122.0	183.0	11.2	2086	91.5	137.3	15.2	2909
121.5	182.3	11.3	2097	91.0	136.5	15.3	2939
121.0	181.5	11.3	2107	90.5	135.8	15.4	2970
120.5	180.8	11.4	2118	90.0	135.0	15.4	3000
120.0	180.0	11.5	2128	89.5	134.3	15.5	3031



OPTIMUMS: For Drivers

Club Speed (mph)	Ball Velocity (mph)	Launch Angle (degrees)	Total Spin (rpm)	Club Speed (mph)	Ball Velocity (mph)	Launch Angle (degrees)	Total Spin (rpm)
89.0	133.5	15.6	3041	59.5	89.3	19.4	3976
88.5	132.8	15.6	3072	59.0	88.5	19.5	3986
88.0	132.0	15.7	3102	58.5	87.8	19.6	3995
87.5	131.3	15.8	3133	58.0	87.0	19.6	4005
87.0	130.5	15.8	3163	57.5	86.3	19.7	4015
86.5	129.8	15.9	3194	57.0	85.5	19.8	4025
86.0	129.0	15.9	3224	56.5	84.8	19.8	4035
85.5	128.3	16.0	3255	56.0	84.0	19.9	4045
85.0	127.5	16.1	3285	55.5	83.3	20.0	4075
84.5	126.8	16.1	3316	55.0	82.5	20.0	4085
84.0	126.0	16.2	3346	54.5	81.8	20.1	4095
83.5	125.3	16.3	3377	54.0	81.0	20.2	4105
83.0	124.5	16.3	3407	53.5	80.3	20.2	4115
82.5	123.8	16.4	3438	53.0	79.5	20.3	4125
82.0	123.0	16.5	3468	52.5	78.8	20.4	4135
81.5	122.3	16.5	3499	52.0	78.0	20.4	4145
81.0	121.5	16.6	3529	51.5	77.3	20.5	4155
80.5	120.8	16.7	3560	51.0	76.5	20.6	4165
80.0	120.0	16.7	3570	50.5	75.8	20.6	4174
79.5	119.3	16.8	3580	50.0	75.0	20.7	4184
79.0	118.5	16.9	3590				
78.5	117.8	16.9	3599				
78.0	117.0	17.0	3609				
77.5	116.3	17.1	3619				
77.0	115.5	17.1	3629				
76.5	114.8	17.2	3639				
76.0	114.0	17.3	3649				
75.5	113.3	17.3	3659				
75.0	112.5	17.4	3669				
74.5	111.8	17.5	3679				
74.0	111.0	17.5	3689				
73.5	110.3	17.6	3698				
73.0	109.5	17.7	3708				
72.5	108.8	17.7	3718				
72.0	108.0	17.8	3728				
71.5	107.3	17.9	3738				
71.0	106.5	17.9	3748				
70.5	105.8	18.0	3758				
70.0	105.0	18.1	3768				
69.5	104.3	18.1	3778				
69.0	103.5	18.2	3788				
68.5	102.8	18.3	3797				
68.0	102.0	18.3	3807				
67.5	101.3	18.4	3817				
67.0	100.5	18.5	3827				
66.5	99.8	18.5	3837				
66.0	99.0	18.6	3847				
65.5	98.3	18.7	3857				
65.0	97.5	18.7	3867				
64.5	96.8	18.8	3877				
64.0	96.0	18.9	3887				
63.5	95.3	18.9	3896				
63.0	94.5	19.0	3906				
62.5	93.8	19.1	3916				
62.0	93.0	19.1	3926				
61.5	92.3	19.2	3936				
61.0	91.5	19.2	3946				
60.5	90.8	19.3	3956				
60.0	90.0	19.4	3966				