



Launch Angle (Degrees) ≠	Ball Speed (mph)	
	Height +/- 25 (ft)	Carry Distance (Yards)
	Backspin +/- 500rpm	
	Descent +/- 5°	Total Distance (Yards)

Optimal shots can be up to double the range (+/-50ft,+/-1000rpm,+/-10°descent) depending on the launch monitor and for maximizing distance in extreme conditions

Optimal Carry Distance +/- 20 yards depending on altitude, temperature, wind, etc.

Optimal Total Distance +/-20 yards depending on firmness of ground conditions

	Juniors					
Launch Angle (Degrees) ≠	50		60		70	
20°+	12	38>40+	16	56>60+	26	74>80+
	1600		1600		1600	
	22°	58>70	24°	76>90	26°	98>114
19°	11	36>38	15	53>57	24	71>77
	1700		1700		1700	
	21°	56>68	23°	73>87	25°	95>111
18°	10	34>36	14	50>54	22	68>74
	1800		1800		1800	
	20°	54>66	22°	70>84	24°	92>108
17°	9	32>34	13	47>51	20	65>71
	1900		1900		1900	
	19°	52>64	21°	67>81	23°	89>105
16°	8	30>32	12	44>48	18	62>68
	2000		2000		2000	
	18°	50>62	20°	64>78	22°	86>102
15°	7	28>30	11	41>45	16	59>65
	2100		2100		2100	
	17°	48>60	19°	61>75	21°	83>99
14°	6	26>28	10	38>42	14	56>62
	2200		2200		2200	
	16°	46>58	18°	58>72	20°	80>96
13°	5	24>26	9	35>39	12	53>59
	2300		2300		2300	
	15°	44>56	17°	55>69	19°	77>93
12°	4	22>24	8	32>36	10	50>56
	2400		2400		2400	
	14°	42>54	16°	52>66	18°	74>90
11°	3	20>22	7	29>33	9	47>53
	2500		2500		2500	
	13°	40>52	15°	49>63	17°	71>87
10°	3	18>20	6	26>30	8	44>50
	2600		2600		2600	
	12°	38>50	14°	46>60	16°	68>84
9°	2	16>18	5	23>27	7	41>47
	2700		2700		2700	
	10°	36>48	12°	43>57	14°	65>81
8°	2	14>16	4	20>24	6	38>44
	2800		2800		2800	
	8°	34>46	10°	40>54	12°	62>78
7°	1	12>14	3	17>21	5	35>41
	2900		2900		2900	
	6°	32>44	8°	37>51	10°	59>75
6°	1	10>12	3	14>18	4	32>38
	3000		3000		3000	
	4°	30>42	6°	34>48	8°	56>72
5°	1	8>10	2	11>15	3	28>34
	3100		3100		3100	
	3°	28>40	4°	31>45	6°	54>70
4°	0	6>8	2	8>12	2	24>30
	3200		3200		3200	
	2°	26>38	3°	28>42	4°	52>68
3°	0	4>6	1	5>9	2	19>25
	3300		3300		3300	
	1°	24>36	2°	25>39	3°	50>66
2°	0	2>4	1	2>6	1	14>20
	3400		3400		3400	
	1°	22>34	1°	22>36	2°	48>64
1°	0	0>2	1	0>3	1	9>15
	3500		3500		3500	
	1°	20>32	1°	19>33	1°	46>62
0.1°	0	0>1	0	0>2	0	4>10
	3600		3600		3600	
	1°	18>30	1°	16>30	1°	44>60