

4DOF Ballistic Calculator

INPUT VARIABLES

Muzzle Velocity (fps):	2500	Weight (GR):	180		
Maximum Range (yds):	2000	Interval (yds):	50	Zero Range (yds):	100
Zero Angle (°):	0.06953	Sight Height (in):	1.5	Shooting Angle (Deg.):	0
Axial Form Factor (°):	1	Wind Speed (mph):	0	Wind Angle (Deg.):	0
Altitude (ft):	870	Pressure (in-hg):	29.87	Temperature (F):	13
Humidity (%):	80	Barrel Twist (in/rev):	8.5		

Trajectory Results

RANGE (YDS)	TOTAL COME UP (MRADS)	TOTAL WINDDRIFT (MRADS)	NO WIND TRAJECTORY (MRADS)	SPIN DRIFT (MRADS)	VELOCITY (FPS)	GYRO
0	0	0	0	0	2500	1.47
50	+0.01	-0.01	-0.01	-0.01	2441	1.52
100	0	-0.01	0	-0.01	2383	1.56
150	+0.28	-0.02	-0.28	-0.02	2325	1.6
200	+0.64	-0.03	-0.64	-0.03	2267	1.64
250	+1.05	-0.03	-1.05	-0.03	2211	1.69
300	+1.48	-0.04	-1.48	-0.04	2154	1.74
350	+1.94	-0.05	-1.94	-0.05	2099	1.79
400	+2.42	-0.06	-2.42	-0.06	2044	1.84
450	+2.92	-0.06	-2.92	-0.06	1989	1.89
500	+3.45	-0.07	-3.45	-0.07	1935	1.95
550	+3.99	-0.08	-3.99	-0.08	1881	2.01
600	+4.56	-0.09	-4.56	-0.09	1828	2.07
650	+5.16	-0.1	-5.16	-0.1	1775	2.12
700	+5.77	-0.11	-5.77	-0.11	1723	2.19
750	+6.42	-0.12	-6.42	-0.12	1670	2.26
800	+7.09	-0.13	-7.09	-0.13	1618	2.33
850	+7.79	-0.14	-7.79	-0.14	1567	2.41
900	+8.52	-0.15	-8.52	-0.15	1516	2.49
950	+9.28	-0.16	-9.28	-0.16	1465	2.58
1000	+10.08	-0.18	-10.08	-0.18	1414	2.69
1050	+10.92	-0.19	-10.92	-0.19	1364	2.84
1100	+11.8	-0.2	-11.8	-0.2	1314	2.99

1150	+12.73	-0.22	-12.73	-0.22	1265	3.15
1200	+13.7	-0.23	-13.7	-0.23	1216	3.3
1250	+14.73	-0.25	-14.73	-0.25	1168	3.46
1300	+15.81	-0.26	-15.81	-0.26	1121	3.59
1350	+16.96	-0.28	-16.96	-0.28	1077	3.67
1400	+18.17	-0.29	-18.17	-0.29	1041	3.68
1450	+19.45	-0.31	-19.45	-0.31	1016	3.76
1500	+20.8	-0.33	-20.8	-0.33	996	3.89
1550	+22.22	-0.35	-22.22	-0.35	979	4.03
1600	+23.71	-0.37	-23.71	-0.37	965	4.19
1650	+25.27	-0.39	-25.27	-0.39	951	4.31
1700	+26.89	-0.41	-26.89	-0.41	938	4.4
1750	+28.57	-0.44	-28.57	-0.44	925	4.48
1800	+30.32	-0.46	-30.32	-0.46	913	4.55
1850	+32.13	-0.48	-32.13	-0.48	901	4.61
1900	+34	-0.51	-34	-0.51	889	4.65
1950	+35.93	-0.53	-35.93	-0.53	877	4.69
2000	+37.92	-0.56	-37.92	-0.56	865	4.74