



Bitterroot Valley Ammunition

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Ballistic Table

Courtesy of



Ballistic Suite

BV50BMG-2N

750 gr. A-Max

Calculation of Maximum **Point Blank Range** for a Vital Zone of: 4 inches (**2" High to 2" Low**)
Maximum Point Blank Range is 242 yards. Set Zero at 205 yards

Trajectory for Hornady .510 dia. (50 cal) 750 gr. A-Max at 2800 Feet per Second

At an Elevation Angle of: 0 degrees

| Range (Yards) | Velocity (Ft/Sec) | Energy (Ft/Lbs) | Momentum (Ft-Lbs) | Drop (inches) | Bullet Path (inches) | Wind Drift (inches) | Time of Flight (Seconds) |
|------------------|----------------------|--------------------|----------------------|------------------|-------------------------|------------------------|-----------------------------|
| 0 | 2800 | 13054 | 9.32 | 0 | -1 | 0 | 0 |
| 25 | 2777.9 | 12849 | 9.25 | -0.14 | 0.17 | 0 | 0.026891897 |
| 50 | 2756 | 12647 | 9.18 | -0.56 | 1.06 | 0 | 0.053997689 |
| 75 | 2734.1 | 12447 | 9.1 | -1.27 | 1.66 | 0 | 0.081319703 |
| 100 | 2712.4 | 12250 | 9.03 | -2.26 | 1.97 | 0 | 0.108860307 |
| 125 | 2690.8 | 12056 | 8.96 | -3.56 | 1.99 | 0 | 0.136621915 |
| 150 | 2669.3 | 11864 | 8.89 | -5.15 | 1.7 | 0 | 0.164606988 |
| 175 | 2647.9 | 11674 | 8.82 | -7.05 | 1.12 | 0 | 0.192818036 |
| 200 | 2626.5 | 11487 | 8.75 | -9.25 | 0.22 | 0 | 0.221257623 |
| 225 | 2605.3 | 11302 | 8.68 | -11.77 | -1 | 0 | 0.249928367 |
| 250 | 2584.2 | 11120 | 8.61 | -14.62 | -2.53 | 0 | 0.27883295 |
| 275 | 2563.2 | 10940 | 8.54 | -17.78 | -4.39 | 0 | 0.30797396 |
| 300 | 2542.3 | 10762 | 8.47 | -21.28 | -6.58 | 0 | 0.337354079 |
| 325 | 2521.5 | 10587 | 8.4 | -25.11 | -9.1 | 0 | 0.366976215 |
| 350 | 2500.8 | 10413 | 8.33 | -29.29 | -11.97 | 0 | 0.396843383 |
| 375 | 2480.2 | 10242 | 8.26 | -33.81 | -15.18 | 0 | 0.426958634 |
| 400 | 2459.6 | 10073 | 8.19 | -38.69 | -18.75 | 0 | 0.457325027 |
| 425 | 2439.2 | 9906.3 | 8.12 | -43.92 | -22.67 | 0 | 0.48794562 |
| 450 | 2418.8 | 9741.7 | 8.05 | -49.52 | -26.96 | 0 | 0.518823484 |
| 475 | 2398.6 | 9579.2 | 7.99 | -55.49 | -31.63 | 0 | 0.549961709 |
| 500 | 2378.4 | 9418.9 | 7.92 | -61.84 | -36.66 | 0 | 0.581363428 |
| 525 | 2358.4 | 9260.7 | 7.85 | -68.57 | -42.09 | 0 | 0.613031828 |
| 550 | 2338.4 | 9104.6 | 7.79 | -75.69 | -47.9 | 0 | 0.644970159 |
| 575 | 2318.5 | 8950.6 | 7.72 | -83.21 | -54.11 | 0 | 0.677181744 |
| 600 | 2298.8 | 8798.6 | 7.66 | -91.14 | -60.73 | 0 | 0.709669981 |
| 625 | 2279.1 | 8648.6 | 7.59 | -99.47 | -67.75 | 0 | 0.742438341 |

| | | | | | | | |
|------|--------|--------|------|---------|---------|---|-------------|
| 650 | 2259.5 | 8500.5 | 7.52 | -108.22 | -75.2 | 0 | 0.775490368 |
| 675 | 2240 | 8354.5 | 7.46 | -117.4 | -83.07 | 0 | 0.808829674 |
| 700 | 2220.6 | 8210.3 | 7.39 | -127.01 | -91.37 | 0 | 0.842459934 |
| 725 | 2201.3 | 8068.1 | 7.33 | -137.07 | -100.11 | 0 | 0.876384882 |
| 750 | 2182 | 7927.8 | 7.27 | -147.57 | -109.31 | 0 | 0.910608305 |
| 775 | 2162.9 | 7789.4 | 7.2 | -158.52 | -118.95 | 0 | 0.945134042 |
| 800 | 2143.9 | 7652.9 | 7.14 | -169.94 | -129.07 | 0 | 0.979965978 |
| 825 | 2124.9 | 7518.3 | 7.08 | -181.84 | -139.65 | 0 | 1.01510805 |
| 850 | 2106.1 | 7385.5 | 7.01 | -194.21 | -150.72 | 0 | 1.050564239 |
| 875 | 2087.3 | 7254.6 | 6.95 | -207.08 | -162.27 | 0 | 1.086338577 |
| 900 | 2068.7 | 7125.5 | 6.89 | -220.44 | -174.33 | 0 | 1.122435149 |
| 925 | 2050.1 | 6998.3 | 6.83 | -234.31 | -186.89 | 0 | 1.158858092 |
| 950 | 2031.7 | 6872.9 | 6.77 | -248.7 | -199.97 | 0 | 1.195611598 |
| 975 | 2013.3 | 6749.2 | 6.7 | -263.61 | -213.57 | 0 | 1.232699919 |
| 1000 | 1995.1 | 6627.4 | 6.64 | -279.06 | -227.71 | 0 | 1.270127367 |