

## CARTRIDGE: 7 mm-08 Rem.

Bullet: .284, 151, Flatline

Useable Case Capacity: 44.634 grain H<sub>2</sub>O = 2.898 cm<sup>3</sup>

Cartridge O.A.L. L6: 2.850 inch = 72.39 mm

Barrel Length: 24.0 inch = 609.6 mm



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*Predicted Data for Indicated Charges of the Following Powders.*

Matching Maximum Pressure: 52666 psi, or 363 Mpa

These calculations refer to your specified settings in QuickLOAD 'Cartridge Dimensions' window.

**CAUTION** : any load listed can result in a powder charge that falls below minimum suggested loads or exceeds maximum suggested loads as presented in current handloading manuals. Understand that all of the listed powders can be unsuitable for the given combination of cartridge, bullet and gun. Actual load order can vary, depending upon lot-to-lot powder and component variations. While none of the following loads should yield pressure signs, we recommend a 2 to 3 grain reduction in the load prior to starting your ladder test(s) **USE ONLY FOR COMPARISON**

| Type                | mc (gr) | fill (%) | vel (fps) | Pmax (psi) | Z (%)    | t (ms) | Pmuz (psi) |
|---------------------|---------|----------|-----------|------------|----------|--------|------------|
| ReloadSwiss RS 52   | 42.2383 | 99.0000  | 2902.4373 | 52666.8078 | 99.5871  | 1.1514 | 8072.8533  |
| Hodgdon CFE223      | 42.5503 | 93.0000  | 2884.3343 | 52666.8078 | 98.7185  | 1.1508 | 8074.6665  |
| Ramshot Big Game    | 43.0998 | 98.0000  | 2878.9381 | 52666.8078 | 98.2135  | 1.1505 | 8053.4687  |
| IMR 4895            | 40.1344 | 98.0000  | 2870.6786 | 52666.8078 | 98.4579  | 1.1645 | 8056.7828  |
| Hodgdon BL-C2       | 41.8639 | 93.0000  | 2865.1674 | 52666.8078 | 99.2192  | 1.1649 | 7937.6231  |
| IMR 3031            | 37.8415 | 98.0000  | 2864.8447 | 52666.8078 | 100.0000 | 1.1600 | 7293.7444  |
| Winchester 748      | 40.1311 | 91.0000  | 2863.9984 | 52666.8078 | 99.6935  | 1.1571 | 7689.5920  |
| Norma 203B          | 40.6772 | 99.0000  | 2859.3553 | 52666.8078 | 98.4057  | 1.1659 | 7959.3563  |
| Raufoss RA11        | 40.4395 | 98.0000  | 2856.0316 | 52666.8078 | 97.9204  | 1.1662 | 7970.4825  |
| Alliant Reloder-15  | 40.4395 | 98.0000  | 2856.0316 | 52666.8078 | 97.9204  | 1.1662 | 7970.4825  |
| Lovex D073.6        | 40.5492 | 96.0000  | 2843.5890 | 52666.8078 | 99.9131  | 1.1771 | 7504.4169  |
| Accurate 2520       | 40.5492 | 93.0000  | 2843.5890 | 52666.8078 | 99.9131  | 1.1771 | 7504.4169  |
| Hodgdon H4895       | 38.8930 | 95.0000  | 2842.5597 | 52666.8078 | 98.7987  | 1.1685 | 7773.4559  |
| SNPE Vectan SP 11   | 42.4873 | 100.0000 | 2841.3482 | 50049.6505 | 97.8279  | 1.1761 | 8045.0256  |
| Ramshot Wild Boar   | 40.9315 | 93.0000  | 2840.6911 | 52666.8078 | 98.2866  | 1.1625 | 7801.9976  |
| Hodgdon H380        | 41.9282 | 100.0000 | 2838.5821 | 52666.8078 | 96.5756  | 1.1705 | 7958.8985  |
| Bofors RP3          | 41.5928 | 100.0000 | 2837.4565 | 50986.6986 | 98.8963  | 1.1900 | 7897.7949  |
| Norma 203 old       | 41.5928 | 100.0000 | 2837.4565 | 50986.6986 | 98.8963  | 1.1900 | 7897.7949  |
| ADI AR 2206H        | 39.0011 | 95.0000  | 2835.8024 | 52666.8078 | 98.3593  | 1.1692 | 7770.7484  |
| Accurate 2495       | 38.2725 | 95.0000  | 2835.5747 | 52666.8078 | 100.0000 | 1.2015 | 7198.2772  |
| IMR 4320            | 40.4747 | 100.0000 | 2835.2791 | 52429.4339 | 98.1655  | 1.1528 | 7678.2577  |
| SNPE Vectan SP 9    | 40.5787 | 96.0000  | 2829.7326 | 52666.8078 | 98.3026  | 1.1643 | 7712.0328  |
| PB Clermont PCL 507 | 39.4826 | 92.0000  | 2826.5715 | 52666.8078 | 99.2430  | 1.1663 | 7565.9722  |
| PB Clermont PCL 516 | 41.9815 | 96.0000  | 2826.2127 | 52666.8078 | 96.4750  | 1.1636 | 7826.0897  |
| Somchem S321        | 39.9888 | 90.0000  | 2825.8566 | 52666.8078 | 99.3807  | 1.1727 | 7600.6203  |
| Accurate 4064       | 40.2511 | 100.0000 | 2825.5644 | 51049.9039 | 100.0000 | 1.2119 | 7491.8365  |
| Lovex S062          | 39.7072 | 99.0000  | 2820.4170 | 52666.8078 | 99.2819  | 1.1773 | 7524.4849  |
| Elcho 17            | 43.1581 | 100.0000 | 2820.0056 | 45738.9930 | 97.4308  | 1.2100 | 8449.8335  |

|                     |         |          |           |            |          |        |           |
|---------------------|---------|----------|-----------|------------|----------|--------|-----------|
| Alliant Reloder-17  | 43.1581 | 100.0000 | 2820.0056 | 45738.9930 | 97.4308  | 1.2100 | 8449.8335 |
| Vihtavuori N540     | 40.6488 | 98.0000  | 2819.2051 | 52666.8078 | 99.9868  | 1.1703 | 7398.6643 |
| Norma 202           | 38.6148 | 95.0000  | 2817.2750 | 52666.8078 | 99.9962  | 1.1728 | 7265.9007 |
| Somchem S341        | 41.6072 | 94.0000  | 2815.1569 | 52666.8078 | 98.2063  | 1.1647 | 7524.7524 |
| ReloadSwiss RS 60   | 43.1581 | 100.0000 | 2809.6225 | 44599.6651 | 98.0436  | 1.2207 | 8560.7893 |
| Norma 201           | 38.6088 | 96.0000  | 2806.7020 | 52666.8078 | 99.2561  | 1.1838 | 7464.9556 |
| SNPE Vectan SP 7    | 41.4486 | 94.0000  | 2805.8253 | 52666.8078 | 96.4139  | 1.1764 | 7647.5750 |
| ReloadSwiss RS 50   | 42.4006 | 99.0000  | 2803.7879 | 52666.8078 | 94.6629  | 1.1707 | 7730.8457 |
| Lovex D073.5        | 39.3827 | 89.0000  | 2799.5153 | 52666.8078 | 99.6617  | 1.1882 | 7270.8530 |
| Accurate 2460       | 39.3827 | 89.0000  | 2799.5153 | 52666.8078 | 99.6617  | 1.1882 | 7270.8530 |
| Rottweil R902       | 38.7824 | 98.0000  | 2797.7344 | 52666.8078 | 99.2333  | 1.1851 | 7371.2878 |
| Ramshot TAC         | 41.0378 | 92.0000  | 2797.2810 | 52666.8078 | 95.8148  | 1.1705 | 7652.3933 |
| Hodgdon H414        | 43.5159 | 100.0000 | 2789.5419 | 47260.0001 | 92.3284  | 1.2055 | 8159.0070 |
| Winchester 760      | 43.5159 | 100.0000 | 2789.5419 | 47260.0001 | 92.3284  | 1.2055 | 8159.0070 |
| Rottweil R901       | 36.6239 | 94.0000  | 2788.1254 | 52666.8078 | 99.9725  | 1.1965 | 7123.0649 |
| Accurate 2230       | 39.4630 | 89.0000  | 2787.9428 | 52666.8078 | 98.8539  | 1.1808 | 7276.0840 |
| Lovex D073.4        | 38.6420 | 88.0000  | 2786.9050 | 52666.8078 | 99.6288  | 1.1845 | 7148.2178 |
| IMR 4064            | 38.8647 | 100.0000 | 2775.7672 | 50947.5879 | 97.6010  | 1.1836 | 7419.9314 |
| Somchem S355        | 40.2511 | 100.0000 | 2771.3550 | 48422.1610 | 98.0697  | 1.2171 | 7658.7053 |
| Rottweil R903       | 40.6983 | 100.0000 | 2766.7891 | 47360.9330 | 98.0770  | 1.2301 | 7688.3769 |
| IMR 4007 SSC        | 41.7270 | 100.0000 | 2762.2830 | 51321.3214 | 92.6270  | 1.1894 | 7616.4608 |
| Accurate 2015       | 35.8255 | 91.0000  | 2757.1602 | 52666.8078 | 100.0000 | 1.1905 | 6525.4551 |
| Vihtavuori N550     | 42.0400 | 100.0000 | 2730.9407 | 43559.9611 | 94.5973  | 1.2558 | 8009.4100 |
| PB Clermont PCL 511 | 43.8290 | 100.0000 | 2723.6207 | 43688.9021 | 92.0808  | 1.2468 | 8031.3475 |
| Accurate 2700       | 42.9345 | 100.0000 | 2714.4466 | 51715.2419 | 92.2818  | 1.1930 | 7149.5943 |
| Vihtavuori N135     | 37.2994 | 100.0000 | 2700.6661 | 46158.6052 | 100.0000 | 1.2441 | 6691.8943 |
| Bofors RP7          | 40.3853 | 100.0000 | 2673.0742 | 46340.2296 | 91.0969  | 1.2456 | 7360.7596 |
| Rottweil R907       | 40.3853 | 100.0000 | 2673.0742 | 46340.2296 | 91.0969  | 1.2456 | 7360.7596 |
| ReloadSwiss RS 62   | 43.1134 | 100.0000 | 2656.9378 | 38943.5661 | 92.5622  | 1.3124 | 7931.2629 |
| Lovex S065          | 40.2511 | 100.0000 | 2650.2973 | 44039.4224 | 93.1830  | 1.2752 | 7333.3558 |
| Norma URP           | 40.6983 | 100.0000 | 2643.1983 | 39497.6298 | 93.2258  | 1.3070 | 7684.6996 |
| Accurate 4350       | 41.1456 | 100.0000 | 2629.8585 | 38104.8989 | 93.0446  | 1.3373 | 7747.8832 |
| Ramshot Hunter      | 42.4873 | 100.0000 | 2626.7364 | 39367.3172 | 90.2172  | 1.3081 | 7710.5399 |
| Norma 204           | 42.4873 | 100.0000 | 2617.6235 | 41441.0974 | 86.5160  | 1.2827 | 7451.0639 |
| Lovex S070          | 40.6983 | 100.0000 | 2616.8956 | 41622.0996 | 90.6530  | 1.3051 | 7372.8389 |
| Vihtavuori N150     | 38.8200 | 100.0000 | 2608.0049 | 41116.4748 | 97.7488  | 1.3037 | 6986.6487 |
| IMR 4350            | 40.9220 | 100.0000 | 2594.8398 | 41236.3794 | 89.0393  | 1.2921 | 7154.9856 |
| Alliant Reloder-16  | 40.0722 | 100.0000 | 2592.4683 | 36086.4774 | 93.0636  | 1.3523 | 7678.4034 |
| Somchem S365        | 40.9220 | 100.0000 | 2586.5920 | 35116.5361 | 95.5941  | 1.3651 | 7712.1441 |
| Hodgdon Hybrid 100V | 39.8039 | 100.0000 | 2547.3365 | 36345.6192 | 94.2745  | 1.3546 | 7123.6763 |
| ReloadSwiss RS 70   | 43.8290 | 100.0000 | 2546.6280 | 36533.0836 | 85.3775  | 1.3512 | 7718.8368 |
| Hodgdon H4350       | 40.2511 | 100.0000 | 2544.2002 | 38964.8779 | 87.8280  | 1.3261 | 6991.0847 |
| Raufoss RA4         | 41.1456 | 100.0000 | 2525.6881 | 37416.9035 | 84.4883  | 1.3448 | 7131.9587 |
| ADI AR 2209         | 40.9220 | 100.0000 | 2493.4333 | 36024.6683 | 83.0754  | 1.3631 | 7088.1274 |
| IMR 4831            | 39.4014 | 100.0000 | 2488.4130 | 33335.9432 | 90.7666  | 1.4107 | 7143.3684 |
| Rottweil R904       | 40.5642 | 100.0000 | 2484.7889 | 37089.1640 | 82.8874  | 1.3564 | 6796.9185 |
| Alliant Reloder-19  | 41.1456 | 100.0000 | 2484.2693 | 34958.2147 | 83.2674  | 1.3811 | 7123.8275 |
| Somchem S361        | 43.8290 | 100.0000 | 2471.8754 | 37684.2001 | 81.9002  | 1.3585 | 6678.3522 |