

CARTRIDGE: .308 Win. (SAAMI)

Bullet: .308, 180, Flatline - F T/R

Useable Case Capacity: 46.236 grain H₂O = 3.002 cm³

Cartridge O.A.L. L6: 3.125 inch = 79.38 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: 54250 psi, or 374 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) |
|---------------------|---------|----------|-----------|------------|----------|--------|------------|
| Hodgdon CFE223 | 45.3186 | 95.0000 | 2753.4740 | 54250.1842 | 98.3218 | 1.1613 | 7370.8532 |
| Winchester 748 | 42.7906 | 93.0000 | 2736.5233 | 54250.1842 | 99.5033 | 1.1669 | 7027.1700 |
| Hodgdon BL-C2 | 44.5743 | 96.0000 | 2735.6692 | 54250.1842 | 98.9126 | 1.1751 | 7253.9617 |
| IMR 4895 | 42.6227 | 100.0000 | 2731.4912 | 53774.0071 | 97.9876 | 1.1805 | 7332.9129 |
| Ramshot Big Game | 45.4024 | 100.0000 | 2717.6205 | 52443.4326 | 97.4005 | 1.1787 | 7279.0971 |
| Accurate 2520 | 43.1689 | 96.0000 | 2715.0168 | 54250.1842 | 99.7914 | 1.1874 | 6853.6947 |
| Lovex D073.6 | 43.1689 | 98.0000 | 2715.0168 | 54250.1842 | 99.7914 | 1.1874 | 6853.6947 |
| ReloadSwiss RS 52 | 44.0125 | 100.0000 | 2713.9469 | 50450.1053 | 98.9096 | 1.1959 | 7276.2453 |
| Hodgdon H4895 | 41.4175 | 97.0000 | 2711.0031 | 54250.1842 | 98.4515 | 1.1818 | 7091.9701 |
| IMR 3031 | 39.8429 | 100.0000 | 2710.8222 | 52175.3728 | 100.0000 | 1.1886 | 6625.1468 |
| Ramshot Wild Boar | 43.5755 | 96.0000 | 2709.1749 | 54250.1842 | 97.8523 | 1.1751 | 7115.3974 |
| Accurate 2495 | 40.6674 | 98.0000 | 2708.5271 | 54250.1842 | 100.0000 | 1.2112 | 6551.3959 |
| ADI AR 2206H | 41.5277 | 97.0000 | 2703.6378 | 54250.1842 | 97.9579 | 1.1830 | 7085.6667 |
| SNPE Vectan SP 9 | 43.2036 | 98.0000 | 2698.6538 | 54250.1842 | 97.8765 | 1.1774 | 7033.7339 |
| Alliant Reloder-15 | 42.6227 | 100.0000 | 2697.1229 | 52583.0007 | 97.1526 | 1.1946 | 7201.9095 |
| Raufoss RA11 | 42.6227 | 100.0000 | 2697.1229 | 52583.0007 | 97.1526 | 1.1946 | 7201.9095 |
| Somchem S321 | 42.5713 | 93.0000 | 2696.6325 | 54250.1842 | 99.1160 | 1.1853 | 6946.0263 |
| PB Clermont PCL 507 | 42.0405 | 95.0000 | 2696.4457 | 54250.1842 | 98.9518 | 1.1794 | 6908.5822 |
| PB Clermont PCL 516 | 44.6606 | 98.0000 | 2692.3919 | 54250.1842 | 95.8489 | 1.1774 | 7119.9561 |
| Norma 202 | 41.1160 | 98.0000 | 2690.0552 | 54250.1842 | 99.9534 | 1.1852 | 6648.3884 |
| Norma 203B | 42.6227 | 100.0000 | 2686.2736 | 51667.1036 | 97.5467 | 1.2032 | 7166.1879 |
| Somchem S341 | 44.2872 | 97.0000 | 2683.6358 | 54250.1842 | 97.7400 | 1.1775 | 6852.4644 |
| Vihtavuori N540 | 43.0859 | 100.0000 | 2683.5041 | 53542.3909 | 99.9005 | 1.1885 | 6768.2044 |
| Norma 201 | 41.0799 | 99.0000 | 2675.5183 | 54250.1842 | 98.9715 | 1.1981 | 6811.6186 |
| SNPE Vectan SP 7 | 44.0791 | 96.0000 | 2671.0343 | 54250.1842 | 95.7771 | 1.1903 | 6947.2960 |
| Accurate 2460 | 41.8898 | 91.0000 | 2668.8321 | 54250.1842 | 99.4489 | 1.2020 | 6630.4606 |
| Lovex D073.5 | 41.8898 | 92.0000 | 2668.8321 | 54250.1842 | 99.4489 | 1.2020 | 6630.4606 |
| Ramshot TAC | 43.6662 | 95.0000 | 2663.6717 | 54250.1842 | 95.1697 | 1.1857 | 6962.6843 |

| | | | | | | | |
|---------------------|---------|----------|-----------|------------|----------|--------|-----------|
| Rottweil R901 | 38.9785 | 96.0000 | 2658.5642 | 54250.1842 | 99.9044 | 1.2128 | 6507.2840 |
| Rottweil R902 | 41.0938 | 100.0000 | 2656.5355 | 53584.3547 | 98.8613 | 1.2060 | 6703.9427 |
| Lovex D073.4 | 41.1030 | 90.0000 | 2656.1648 | 54250.1842 | 99.4073 | 1.1989 | 6516.1931 |
| Accurate 2230 | 41.9744 | 91.0000 | 2655.9323 | 54250.1842 | 98.4818 | 1.1948 | 6624.4219 |
| Lovex S062 | 41.4644 | 100.0000 | 2643.1552 | 51236.6745 | 98.6047 | 1.2199 | 6774.1664 |
| Hodgdon H380 | 43.5492 | 100.0000 | 2639.8558 | 50276.7307 | 95.0387 | 1.2224 | 7081.5670 |
| SNPE Vectan SP 11 | 44.0125 | 100.0000 | 2638.7341 | 47389.4889 | 96.3883 | 1.2290 | 7160.8491 |
| Norma 203 old | 43.0859 | 100.0000 | 2636.5368 | 48178.7230 | 97.8102 | 1.2437 | 7060.2882 |
| Bofors RP3 | 43.0859 | 100.0000 | 2636.5368 | 48178.7230 | 97.8102 | 1.2437 | 7060.2882 |
| Accurate 4064 | 41.6961 | 100.0000 | 2634.3802 | 48509.9011 | 99.8273 | 1.2630 | 6760.5944 |
| IMR 4320 | 41.9277 | 100.0000 | 2634.3434 | 49830.5250 | 96.8727 | 1.2050 | 6834.0774 |
| Accurate 2015 | 38.1339 | 94.0000 | 2632.3836 | 54250.1842 | 100.0000 | 1.2046 | 5948.3554 |
| ReloadSwiss RS 50 | 44.3368 | 100.0000 | 2623.1876 | 51451.6980 | 93.1725 | 1.2129 | 6899.8837 |
| Norma 200 | 36.2419 | 87.0000 | 2619.1395 | 54250.1842 | 100.0000 | 1.2175 | 5817.1122 |
| Alliant Reloder-17 | 44.7075 | 100.0000 | 2615.0976 | 43495.4372 | 95.6948 | 1.2576 | 7502.7438 |
| Elcho 17 | 44.7075 | 100.0000 | 2615.0976 | 43495.4372 | 95.6948 | 1.2576 | 7502.7438 |
| ReloadSwiss RS 60 | 44.7075 | 100.0000 | 2605.3193 | 42501.7839 | 96.3463 | 1.2672 | 7608.7597 |
| Hodgdon H414 | 45.0781 | 100.0000 | 2581.8072 | 44816.7921 | 90.0117 | 1.2569 | 7173.1623 |
| Winchester 760 | 45.0781 | 100.0000 | 2581.8072 | 44816.7921 | 90.0117 | 1.2569 | 7173.1623 |
| IMR 4064 | 40.2599 | 100.0000 | 2578.7812 | 48580.8202 | 96.2687 | 1.2354 | 6593.8398 |
| Somchem S355 | 41.6961 | 100.0000 | 2575.6527 | 46065.9119 | 96.8114 | 1.2690 | 6822.7534 |
| Rottweil R903 | 42.1594 | 100.0000 | 2569.7933 | 44937.6046 | 96.7727 | 1.2803 | 6847.1537 |
| IMR 4007 SSC | 43.2249 | 100.0000 | 2557.4078 | 48759.3598 | 90.5371 | 1.2475 | 6712.5120 |
| Vihtavuori N550 | 43.5492 | 100.0000 | 2533.7579 | 41394.0003 | 92.6676 | 1.3021 | 7079.2296 |
| PB Clermont PCL 511 | 45.4024 | 100.0000 | 2522.8283 | 41643.5191 | 89.7416 | 1.2937 | 7060.5170 |
| Vihtavuori N135 | 38.6384 | 100.0000 | 2520.3190 | 44018.9550 | 99.9760 | 1.2848 | 6035.1175 |
| Accurate 2700 | 44.4758 | 100.0000 | 2511.6036 | 49110.0221 | 90.1208 | 1.2528 | 6296.2240 |
| Bofors RP7 | 41.8351 | 100.0000 | 2475.2247 | 44251.1215 | 88.9641 | 1.2996 | 6475.0495 |
| Rottweil R907 | 41.8351 | 100.0000 | 2475.2247 | 44251.1215 | 88.9641 | 1.2996 | 6475.0495 |
| ReloadSwiss RS 62 | 44.6611 | 100.0000 | 2460.9157 | 37201.4829 | 90.2423 | 1.3484 | 6972.1587 |
| Lovex S065 | 41.6961 | 100.0000 | 2457.6386 | 42144.0113 | 91.2530 | 1.3252 | 6470.6264 |
| Norma URP | 42.1594 | 100.0000 | 2452.1491 | 37835.8657 | 91.1695 | 1.3461 | 6768.7815 |
| Accurate 4350 | 42.6227 | 100.0000 | 2436.5271 | 36260.6551 | 90.8946 | 1.3690 | 6819.8687 |
| Ramshot Hunter | 44.0125 | 100.0000 | 2434.8257 | 37764.4229 | 87.8436 | 1.3481 | 6762.1501 |
| Vihtavuori N150 | 40.2135 | 100.0000 | 2425.9491 | 39286.5854 | 96.4726 | 1.3505 | 6215.0990 |
| Lovex S070 | 42.1594 | 100.0000 | 2424.8029 | 39893.4749 | 88.4961 | 1.3500 | 6481.8659 |
| Norma 204 | 44.0125 | 100.0000 | 2422.5480 | 39699.7805 | 83.9458 | 1.3288 | 6505.5774 |
| Alliant Reloder-16 | 41.5108 | 100.0000 | 2405.8475 | 34766.9746 | 90.9442 | 1.3856 | 6750.6621 |
| IMR 4350 | 42.3910 | 100.0000 | 2405.1642 | 39566.3724 | 86.7717 | 1.3397 | 6270.5328 |
| Somchem S365 | 42.3910 | 100.0000 | 2401.6021 | 33844.6758 | 93.6559 | 1.3964 | 6808.0697 |
| Hodgdon Hybrid 100V | 41.2328 | 100.0000 | 2364.6791 | 35035.3505 | 92.3136 | 1.3917 | 6275.1617 |
| Hodgdon H4350 | 41.6961 | 100.0000 | 2358.9158 | 37511.1058 | 85.5560 | 1.3703 | 6120.3091 |