

CARTRIDGE: .338 Lapua Mag.

Bullet: .338, 285, Flatline

Useable Case Capaci: 96.002 grain H₂O = 6.233 cm³

Cartridge O.A.L. L6: 4.200 inch = 106.68 mm

Barrel Length: 32.0 inch = 812.8 mm



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Predicted Data for Indicated Charges of the Following Powders.

Matching Maximum Pressure: 53301 psi, or 367 Mpa or a maximum loading ratio or filling of 100 %

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) |
|---------------------|---------|----------|-----------|------------|----------|--------|------------|
| SNPE Vectan SP 12 | 92.7767 | 98.0000 | 2945.0924 | 53301.3477 | 100.0000 | 1.5453 | 9095.5637 |
| Alliant Reloder-26 | 88.0087 | 93.0000 | 2944.8959 | 53301.3477 | 100.0000 | 1.5676 | 8799.5473 |
| Vihtavuori N560 | 85.7601 | 95.0000 | 2938.9188 | 53301.3477 | 99.8118 | 1.5530 | 9278.3796 |
| Accurate MAGPRO | 89.7573 | 95.0000 | 2937.8297 | 53301.3477 | 99.2993 | 1.5609 | 9435.7150 |
| Norma MRP | 86.1068 | 93.0000 | 2932.2994 | 53301.3477 | 100.0000 | 1.5612 | 8897.5356 |
| IMR 7828 SSC | 85.3212 | 94.0000 | 2926.1812 | 53301.3477 | 99.9366 | 1.5420 | 8948.1315 |
| IMR 7828 | 85.3212 | 99.0000 | 2926.1812 | 53301.3477 | 99.9366 | 1.5420 | 8948.1315 |
| ReloadSwiss RS 70 | 85.2434 | 90.0000 | 2921.4966 | 53301.3477 | 100.0000 | 1.5439 | 8612.2351 |
| ADI AP 2214 | 90.9594 | 99.0000 | 2914.5277 | 53301.3477 | 99.9884 | 1.5378 | 8789.3043 |
| ADI AR 2213 | 84.8176 | 95.0000 | 2913.4565 | 53301.3477 | 99.9078 | 1.5404 | 8904.3701 |
| Raufoss RA15 | 85.0784 | 95.0000 | 2909.1779 | 53301.3477 | 100.0000 | 1.5617 | 8821.1758 |
| Alliant Reloder-22 | 85.0784 | 95.0000 | 2909.1779 | 53301.3477 | 100.0000 | 1.5617 | 8821.1758 |
| Bofors RP15 | 85.4811 | 98.0000 | 2908.7701 | 53301.3477 | 100.0000 | 1.5621 | 8841.5978 |
| Winchester WXR | 85.4811 | 98.0000 | 2908.7701 | 53301.3477 | 100.0000 | 1.5621 | 8841.5978 |
| Alliant Reloder-25 | 88.0182 | 100.0000 | 2906.8410 | 51778.3707 | 100.0000 | 1.5685 | 8536.5963 |
| Ramshot Magnum | 92.2534 | 96.0000 | 2893.8425 | 53301.3477 | 100.0000 | 1.5573 | 8438.2146 |
| Rottweil R905 | 84.6453 | 96.0000 | 2882.7432 | 53301.3477 | 99.7662 | 1.5626 | 8709.3105 |
| Vihtavuori N570 | 93.3089 | 100.0000 | 2874.0639 | 45090.2402 | 96.7522 | 1.6594 | 10128.5779 |
| ReloadSwiss RS 60 | 77.9712 | 84.0000 | 2868.5700 | 53301.3477 | 100.0000 | 1.5581 | 7868.1525 |
| ADI AR 2209 | 80.5823 | 92.0000 | 2865.7371 | 53301.3477 | 100.0000 | 1.5509 | 8362.3094 |
| Alliant Reloder-19 | 81.3461 | 92.0000 | 2863.5881 | 53301.3477 | 100.0000 | 1.5595 | 8398.5744 |
| Norma MRP 2 | 88.4991 | 100.0000 | 2856.0817 | 47478.6871 | 99.8050 | 1.6422 | 9158.0592 |
| Bofors RP30 | 88.4991 | 100.0000 | 2856.0817 | 47478.6871 | 99.8050 | 1.6422 | 9158.0592 |
| Alliant Reloder-23 | 84.2736 | 97.0000 | 2855.0660 | 53301.3477 | 100.0000 | 1.5764 | 7917.9678 |
| PB Clermont PCL 518 | 80.7974 | 88.0000 | 2851.5606 | 53301.3477 | 100.0000 | 1.5680 | 8107.1286 |
| Alliant Reloder-16 | 75.3879 | 87.0000 | 2850.1778 | 53301.3477 | 100.0000 | 1.5558 | 7770.6569 |
| Hodgdon H4831 SC | 83.6115 | 93.0000 | 2849.2284 | 53301.3477 | 99.6395 | 1.5572 | 8431.5488 |
| Hodgdon H4831 | 83.6115 | 97.0000 | 2849.2284 | 53301.3477 | 99.6395 | 1.5572 | 8431.5488 |

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|------------------------|---------|----------|-----------|------------|----------|--------|-----------|
| Alliant Reloder-17 | 77.1101 | 83.0000 | 2848.7579 | 53301.3477 | 100.0000 | 1.5674 | 7807.3042 |
| Elcho 17 | 77.1101 | 83.0000 | 2848.7579 | 53301.3477 | 100.0000 | 1.5674 | 7807.3042 |
| PB Clermont PCL 511 | 79.9898 | 85.0000 | 2846.7698 | 53301.3477 | 100.0000 | 1.5691 | 8041.1179 |
| Winchester 760 | 77.4249 | 83.0000 | 2845.7957 | 53301.3477 | 100.0000 | 1.5695 | 8040.5044 |
| Hodgdon H414 | 77.4249 | 83.0000 | 2845.7957 | 53301.3477 | 100.0000 | 1.5695 | 8040.5044 |
| Ramshot Hunter | 80.1177 | 88.0000 | 2845.5846 | 53301.3477 | 100.0000 | 1.5694 | 8030.7935 |
| Norma 204 | 79.7685 | 87.0000 | 2841.0917 | 53301.3477 | 99.9958 | 1.5613 | 8200.9101 |
| Raufoss RA4 | 79.7685 | 90.0000 | 2841.0917 | 53301.3477 | 99.9958 | 1.5613 | 8200.9101 |
| ReloadSwiss RS 62 | 80.1365 | 86.0000 | 2840.2811 | 53301.3477 | 100.0000 | 1.5856 | 7867.8183 |
| Somchem S385 | 82.5742 | 92.0000 | 2825.5827 | 53301.3477 | 100.0000 | 1.5848 | 7977.1431 |
| Winchester Supreme 780 | 85.1765 | 91.0000 | 2822.7525 | 53301.3477 | 100.0000 | 1.5697 | 8040.1126 |
| Vihtavuori N550 | 76.5465 | 85.0000 | 2818.9088 | 53301.3477 | 100.0000 | 1.5818 | 7783.7338 |
| Norma URP | 76.3077 | 87.0000 | 2816.9190 | 53301.3477 | 100.0000 | 1.5782 | 7677.2875 |
| Rottweil R904 | 79.3243 | 91.0000 | 2815.7468 | 53301.3477 | 99.8383 | 1.5635 | 8049.2652 |
| Accurate 4350 | 76.7934 | 87.0000 | 2815.0087 | 53301.3477 | 100.0000 | 1.5995 | 7661.0047 |
| Somchem S365 | 78.3725 | 89.0000 | 2812.8454 | 53301.3477 | 100.0000 | 1.5880 | 7459.2440 |
| Vihtavuori N165 | 85.2389 | 97.0000 | 2812.4372 | 53301.3477 | 100.0000 | 1.5756 | 7820.9510 |
| IMR 4955 Enduron | 81.1749 | 94.0000 | 2812.0977 | 53301.3477 | 99.6574 | 1.5621 | 8148.1644 |
| Accurate 3100 | 84.6360 | 96.0000 | 2810.1899 | 53301.3477 | 100.0000 | 1.6047 | 7748.2184 |
| Vihtavuori N160 | 82.4804 | 97.0000 | 2801.1755 | 53301.3477 | 99.8161 | 1.5680 | 7917.5339 |
| IMR 4831 | 77.6106 | 92.0000 | 2799.3751 | 53301.3477 | 100.0000 | 1.5899 | 7510.9069 |
| Hodgdon H4350 | 77.4375 | 89.0000 | 2795.4615 | 53301.3477 | 100.0000 | 1.5680 | 7663.4919 |
| IMR 4350 | 77.2575 | 88.0000 | 2794.0727 | 53301.3477 | 100.0000 | 1.5683 | 7642.5195 |
| Lovex S070 | 76.1940 | 87.0000 | 2793.6236 | 53301.3477 | 100.0000 | 1.5850 | 7650.9461 |
| ADI AR 2217 | 87.5372 | 100.0000 | 2793.3089 | 46089.6031 | 99.5782 | 1.6390 | 8623.0155 |
| Hodgdon H1000 | 87.5372 | 100.0000 | 2793.3089 | 46089.6031 | 99.5782 | 1.6390 | 8623.0155 |
| Alliant Reloder-33 | 96.0023 | 100.0000 | 2793.0427 | 41590.2038 | 96.1019 | 1.7229 | 9881.1827 |
| Somchem S361 | 85.0484 | 90.0000 | 2791.4341 | 53301.3477 | 99.5793 | 1.5776 | 7958.9086 |
| SNPE Vectan SP 11 | 74.2573 | 81.0000 | 2788.0143 | 53301.3477 | 100.0000 | 1.5783 | 7383.9600 |
| Lovex S071 | 83.6894 | 100.0000 | 2782.2989 | 51296.5017 | 100.0000 | 1.6315 | 7714.4548 |
| Hodgdon H380 | 72.8244 | 81.0000 | 2778.0123 | 53301.3477 | 100.0000 | 1.5866 | 7407.6459 |
| Bofors RP7 | 73.8864 | 85.0000 | 2777.0498 | 53301.3477 | 100.0000 | 1.5774 | 7559.4892 |
| Rottweil R907 | 73.8864 | 85.0000 | 2777.0498 | 53301.3477 | 100.0000 | 1.5774 | 7559.4892 |
| IMR 4007 SSC | 73.9458 | 82.0000 | 2776.4709 | 53301.3477 | 100.0000 | 1.5775 | 7554.8493 |
| IMR 4451 Enduron | 73.2988 | 84.0000 | 2774.3331 | 53301.3477 | 100.0000 | 1.5648 | 7489.0426 |
| ReloadSwiss RS 50 | 74.1282 | 81.0000 | 2772.2502 | 53301.3477 | 100.0000 | 1.5785 | 7402.3986 |
| IMR 7977 Enduron | 86.7363 | 99.0000 | 2767.6347 | 53301.3477 | 94.9777 | 1.5680 | 8096.8769 |
| Hodgdon Hybrid 100V | 76.6761 | 90.0000 | 2767.3387 | 53301.3477 | 100.0000 | 1.5843 | 7077.8454 |
| Lovex S065 | 74.4072 | 86.0000 | 2764.9583 | 53301.3477 | 100.0000 | 1.5864 | 7346.0522 |
| Bofors RP3 | 72.2501 | 81.0000 | 2755.5390 | 53301.3477 | 100.0000 | 1.6040 | 7144.7299 |
| Norma 203 old | 72.2501 | 81.0000 | 2755.5390 | 53301.3477 | 100.0000 | 1.6040 | 7144.7299 |
| Hodgdon Retumbo | 88.9801 | 100.0000 | 2754.1429 | 40541.2060 | 100.0000 | 1.7350 | 8872.4609 |
| ADI AR 2225 | 88.9801 | 100.0000 | 2754.1429 | 40541.2060 | 100.0000 | 1.7350 | 8872.4609 |
| IMR 4320 | 70.4090 | 81.0000 | 2753.7566 | 53301.3477 | 100.0000 | 1.5708 | 7034.0881 |
| Rottweil R903 | 72.2885 | 83.0000 | 2751.2171 | 53301.3477 | 100.0000 | 1.6038 | 7073.6441 |
| IMR 4166 Enduron | 70.3545 | 83.0000 | 2747.9334 | 53301.3477 | 100.0000 | 1.5679 | 7222.3506 |
| Somchem S355 | 71.5097 | 83.0000 | 2747.6822 | 53301.3477 | 100.0000 | 1.5953 | 7083.8255 |

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|--------------------|---------|----------|-----------|------------|----------|--------|-----------|
| ReloadSwiss RS 80 | 96.0023 | 100.0000 | 2745.9042 | 39298.3621 | 95.9940 | 1.7647 | 9766.0746 |
| Accurate 2700 | 76.3588 | 83.0000 | 2732.3841 | 53301.3477 | 100.0000 | 1.5842 | 7147.7452 |
| IMR 4064 | 68.6107 | 82.0000 | 2731.8203 | 53301.3477 | 100.0000 | 1.5791 | 6898.0765 |
| ADI AR 2218 | 94.2708 | 100.0000 | 2731.7422 | 39352.9141 | 94.3344 | 1.7528 | 9978.3224 |
| Vihtavuori N150 | 72.9556 | 87.0000 | 2703.6764 | 53301.3477 | 100.0000 | 1.5995 | 6710.5577 |
| Accurate 4064 | 69.4132 | 80.0000 | 2703.4426 | 53301.3477 | 100.0000 | 1.6307 | 6692.1647 |
| Lovex D100 | 95.2328 | 100.0000 | 2700.4328 | 45602.9090 | 91.7237 | 1.6785 | 8436.9101 |
| Vihtavuori 24N41 | 94.2708 | 100.0000 | 2684.7890 | 41819.3902 | 89.3596 | 1.7228 | 8870.1416 |
| Norma 217 | 87.1524 | 100.0000 | 2672.9946 | 35694.0316 | 99.4732 | 1.8540 | 9053.4828 |
| Vihtavuori N170 | 87.5372 | 100.0000 | 2656.0756 | 42202.8183 | 94.1108 | 1.7521 | 8374.4919 |
| Hodgdon H870 | 91.3850 | 100.0000 | 2651.3346 | 35593.5566 | 95.3938 | 1.8519 | 9319.0079 |
| Vihtavuori N135 | 67.0132 | 84.0000 | 2645.4988 | 53301.3477 | 100.0000 | 1.6179 | 6164.4263 |
| Alliant Reloder-50 | 95.7137 | 100.0000 | 2605.8650 | 32894.6920 | 92.0784 | 1.9410 | 9580.3974 |

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