

## CARTRIDGE: 7 mm WSM

Bullet: .284, 151, Flatline

Useable Case Capacity: 74.019 grain H<sub>2</sub>O = 4.806 cm<sup>3</sup>

Cartridge O.A.L. L6: 3.110 inch = 78.99 mm

Barrel Length: 29.0 inch = 736.6 mm



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

Matching Maximum Pressure: 55839 psi, or 385 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) |
|---------------------|---------|----------|-----------|------------|----------|--------|------------|
| Alliant Reloder-26  | 70.4267 | 96.0000  | 3354.0862 | 55839.5071 | 100.0000 | 1.3177 | 10562.8684 |
| Norma MRP           | 68.8969 | 97.0000  | 3329.5450 | 55839.5071 | 99.9670  | 1.3139 | 10703.7304 |
| Vihtavuori N560     | 68.6189 | 98.0000  | 3323.6771 | 55839.5071 | 98.4839  | 1.3085 | 10996.7256 |
| ReloadSwiss RS 70   | 68.1983 | 94.0000  | 3320.7014 | 55839.5071 | 100.0000 | 1.2982 | 10370.2533 |
| Accurate MAGPRO     | 71.6901 | 99.0000  | 3312.6207 | 55839.5071 | 97.3925  | 1.3170 | 11068.9929 |
| IMR 7828 SSC        | 68.2131 | 97.0000  | 3311.6455 | 55839.5071 | 98.8400  | 1.2976 | 10655.5299 |
| Raufoss RA15        | 68.0463 | 99.0000  | 3297.4188 | 55839.5071 | 99.5394  | 1.3152 | 10563.8438 |
| Alliant Reloder-22  | 68.0463 | 99.0000  | 3297.4188 | 55839.5071 | 99.5394  | 1.3152 | 10563.8438 |
| ADI AR 2213         | 67.7730 | 98.0000  | 3295.9877 | 55839.5071 | 98.7349  | 1.2963 | 10565.7434 |
| ReloadSwiss RS 60   | 62.6232 | 87.0000  | 3288.9290 | 55839.5071 | 100.0000 | 1.3045 | 9490.2159  |
| Ramshot Magnum      | 73.5535 | 99.0000  | 3278.4995 | 55839.5071 | 99.8598  | 1.3093 | 10111.4219 |
| SNPE Vectan SP 12   | 72.8319 | 100.0000 | 3269.0525 | 52676.6961 | 98.9007  | 1.3358 | 10723.5970 |
| PB Clermont PCL 517 | 72.8319 | 100.0000 | 3263.7123 | 52364.7238 | 98.7941  | 1.3391 | 10731.5985 |
| Elcho 17            | 61.8818 | 86.0000  | 3262.0865 | 55839.5071 | 100.0000 | 1.3142 | 9421.6704  |
| Alliant Reloder-17  | 61.8818 | 86.0000  | 3262.0865 | 55839.5071 | 100.0000 | 1.3142 | 9421.6704  |
| Rottweil R905       | 67.6445 | 100.0000 | 3260.9358 | 55839.5071 | 98.3913  | 1.3160 | 10320.6560 |
| Bofors RP15         | 67.4919 | 100.0000 | 3254.9170 | 53539.5237 | 99.2324  | 1.3409 | 10491.0686 |
| Winchester WXR      | 67.4919 | 100.0000 | 3254.9170 | 53539.5237 | 99.2324  | 1.3409 | 10491.0686 |
| ADI AR 2209         | 64.4985 | 95.0000  | 3253.7097 | 55839.5071 | 99.3884  | 1.3033 | 10020.8390 |
| Alliant Reloder-19  | 65.1067 | 95.0000  | 3249.3187 | 55839.5071 | 99.4151  | 1.3124 | 10061.0760 |
| PB Clermont PCL 511 | 64.0738 | 88.0000  | 3242.4162 | 55839.5071 | 100.0000 | 1.3195 | 9706.9440  |
| Ramshot Hunter      | 64.1735 | 91.0000  | 3240.9832 | 55839.5071 | 100.0000 | 1.3196 | 9693.7082  |
| ReloadSwiss RS 62   | 64.1529 | 90.0000  | 3239.9730 | 55839.5071 | 100.0000 | 1.3339 | 9501.5513  |
| Alliant Reloder-16  | 61.4812 | 93.0000  | 3239.9307 | 55839.5071 | 100.0000 | 1.3249 | 9298.0266  |
| Winchester 760      | 62.0366 | 86.0000  | 3239.7795 | 55839.5071 | 99.9334  | 1.3207 | 9742.3057  |
| Hodgdon H414        | 62.0366 | 86.0000  | 3239.7795 | 55839.5071 | 99.9334  | 1.3207 | 9742.3057  |
| Alliant Reloder-23  | 66.7502 | 100.0000 | 3230.5934 | 53947.7705 | 100.0000 | 1.3433 | 9463.7990  |
| Raufoss RA4         | 63.8277 | 94.0000  | 3224.6680 | 55839.5071 | 99.2713  | 1.3131 | 9815.5141  |

|                        |         |          |           |            |          |        |            |
|------------------------|---------|----------|-----------|------------|----------|--------|------------|
| Norma 204              | 63.8277 | 91.0000  | 3224.6680 | 55839.5071 | 99.2713  | 1.3131 | 9815.5141  |
| Hodgdon H4831 SC       | 66.7914 | 97.0000  | 3223.3557 | 55839.5071 | 98.1205  | 1.3106 | 9957.4443  |
| Somchem S365           | 62.8112 | 93.0000  | 3222.7723 | 55839.5071 | 100.0000 | 1.3317 | 8994.1300  |
| IMR 7828               | 66.3052 | 100.0000 | 3217.0765 | 50809.0086 | 98.0078  | 1.3539 | 10440.1299 |
| Norma URP              | 61.1326 | 91.0000  | 3217.0746 | 55839.5071 | 100.0000 | 1.3264 | 9276.3798  |
| Vihtavuori N550        | 61.3160 | 88.0000  | 3217.0063 | 55839.5071 | 100.0000 | 1.3308 | 9388.8899  |
| Accurate 4350          | 61.3648 | 90.0000  | 3212.1555 | 55839.5071 | 100.0000 | 1.3465 | 9252.5430  |
| Somchem S385           | 65.9795 | 96.0000  | 3207.8123 | 55839.5071 | 99.7850  | 1.3356 | 9601.2411  |
| ADI AP 2214            | 70.8294 | 100.0000 | 3207.3844 | 51433.6117 | 98.3276  | 1.3446 | 10283.2390 |
| Hodgdon H4831          | 66.3052 | 100.0000 | 3200.2092 | 54526.6150 | 97.9014  | 1.3246 | 9900.4277  |
| Winchester Supreme 780 | 67.9736 | 94.0000  | 3198.8986 | 55839.5071 | 99.3611  | 1.3205 | 9585.1351  |
| IMR 4831               | 62.1077 | 95.0000  | 3195.9739 | 55839.5071 | 100.0000 | 1.3373 | 9071.8302  |
| Rottweil R904          | 63.4616 | 94.0000  | 3193.2364 | 55839.5071 | 98.6485  | 1.3151 | 9584.3432  |
| Accurate 3100          | 67.4453 | 99.0000  | 3193.1815 | 55839.5071 | 100.0000 | 1.3525 | 9313.4697  |
| Alliant Reloder-25     | 67.8627 | 100.0000 | 3191.4146 | 48032.7265 | 100.0000 | 1.3933 | 10119.7447 |
| Hodgdon H4350          | 62.0204 | 93.0000  | 3180.8610 | 55839.5071 | 99.7400  | 1.3181 | 9255.0674  |
| Lovex S070             | 60.9950 | 90.0000  | 3180.5432 | 55839.5071 | 99.9462  | 1.3355 | 9259.5217  |
| IMR 4350               | 61.8829 | 91.0000  | 3180.0362 | 55839.5071 | 99.7721  | 1.3180 | 9234.8196  |
| Hodgdon Hybrid 100V    | 61.4213 | 93.0000  | 3169.1291 | 55839.5071 | 100.0000 | 1.3280 | 8556.1509  |
| Vihtavuori N165        | 67.4919 | 100.0000 | 3165.4724 | 54283.5591 | 99.5354  | 1.3423 | 9346.3616  |
| Rottweil R907          | 59.2083 | 88.0000  | 3161.9077 | 55839.5071 | 99.7467  | 1.3277 | 9143.4163  |
| Bofors RP7             | 59.2083 | 88.0000  | 3161.9077 | 55839.5071 | 99.7467  | 1.3277 | 9143.4163  |
| IMR 4007 SSC           | 59.2544 | 86.0000  | 3161.1927 | 55839.5071 | 99.7457  | 1.3278 | 9137.3310  |
| Somchem S361           | 67.9206 | 93.0000  | 3157.3538 | 55839.5071 | 98.0733  | 1.3294 | 9397.7198  |
| Lovex S065             | 59.6116 | 89.0000  | 3154.8767 | 55839.5071 | 100.0000 | 1.3350 | 8895.6818  |
| Vihtavuori N160        | 65.4152 | 100.0000 | 3151.2200 | 54534.5036 | 98.4001  | 1.3334 | 9354.5992  |
| Rottweil R903          | 57.8665 | 86.0000  | 3150.6619 | 55839.5071 | 100.0000 | 1.3480 | 8553.1326  |
| Somchem S355           | 57.3229 | 86.0000  | 3147.5537 | 55839.5071 | 100.0000 | 1.3397 | 8566.6607  |
| IMR 4064               | 55.0984 | 85.0000  | 3132.8016 | 55839.5071 | 100.0000 | 1.3229 | 8384.0590  |
| Accurate 2700          | 61.1377 | 86.0000  | 3110.0275 | 55839.5071 | 99.6737  | 1.3328 | 8640.0610  |
| Norma MRP 2            | 68.2335 | 100.0000 | 3102.2131 | 43982.0489 | 97.0953  | 1.4644 | 10495.7935 |
| Bofors RP30            | 68.2335 | 100.0000 | 3102.2131 | 43982.0489 | 97.0953  | 1.4644 | 10495.7935 |
| Vihtavuori N150        | 58.4200 | 91.0000  | 3100.0033 | 55839.5071 | 100.0000 | 1.3406 | 8085.1857  |
| Vihtavuori N570        | 71.9419 | 100.0000 | 3086.7379 | 42118.7398 | 91.0522  | 1.4836 | 11129.9837 |
| Lovex S071             | 64.5252 | 100.0000 | 3061.0372 | 48226.9865 | 99.7847  | 1.4459 | 9142.2387  |
| Vihtavuori N135        | 53.7417 | 87.0000  | 3047.3374 | 55839.5071 | 100.0000 | 1.3524 | 7462.6768  |
| ADI AR 2217            | 67.4919 | 100.0000 | 3030.7861 | 43272.0950 | 96.2474  | 1.4563 | 9825.0818  |
| Hodgdon H1000          | 67.4919 | 100.0000 | 3030.7861 | 43272.0950 | 96.2474  | 1.4563 | 9825.0818  |
| Alliant Reloder-33     | 74.0186 | 100.0000 | 2993.1693 | 39116.2716 | 89.9856  | 1.5395 | 10751.0879 |
| ADI AR 2225            | 68.6044 | 100.0000 | 2983.2576 | 38269.6286 | 98.0112  | 1.5448 | 10261.9835 |
| Hodgdon Retumbo        | 68.6044 | 100.0000 | 2983.2576 | 38269.6286 | 98.0112  | 1.5448 | 10261.9835 |
| ReloadSwiss RS 80      | 74.0186 | 100.0000 | 2937.6042 | 37140.3617 | 89.5644  | 1.5761 | 10579.7231 |
| ADI AR 2218            | 72.6836 | 100.0000 | 2909.4468 | 37380.1219 | 86.3975  | 1.5628 | 10584.5010 |
| Lovex D100             | 73.4252 | 100.0000 | 2908.6667 | 42817.3063 | 85.4648  | 1.4929 | 9123.4144  |
| Norma 217              | 67.1952 | 100.0000 | 2883.5334 | 33794.2256 | 95.5503  | 1.6395 | 10205.2034 |
| Vihtavuori 24N41       | 72.6836 | 100.0000 | 2880.1918 | 39618.1815 | 82.2809  | 1.5319 | 9445.2452  |