

## CARTRIDGE: 6.5 mm RSAUM

Bullet: .264, 121, Flatline

Useable Case Capacity: 64.676 grain H<sub>2</sub>O = 4.199 cm<sup>3</sup>

Cartridge O.A.L. L6: 2.900 inch = 73.66 mm

Barrel Length: 26.0 inch = 660.4 mm



For more data sheets, videos  
and to order online, visit:

[warner-tool.com](http://warner-tool.com)

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

Matching Maximum Pressure: 56875 psi, or 392 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 70      | 62.5232 | 98.0000  | 3472.0780 | 56875.0761 | 99.7157  | 1.1459 | 12168.9736 |
| Alliant Reloder-26     | 64.0928 | 100.0000 | 3467.4751 | 54027.2390 | 100.0000 | 1.1888 | 12451.2223 |
| ReloadSwiss RS 60      | 57.6952 | 92.0000  | 3460.3700 | 56875.0761 | 100.0000 | 1.1488 | 11236.6127 |
| Alliant Reloder-17     | 57.0724 | 91.0000  | 3434.9110 | 56875.0761 | 100.0000 | 1.1558 | 11162.4180 |
| Elcho 17               | 57.0724 | 91.0000  | 3434.9110 | 56875.0761 | 100.0000 | 1.1558 | 11162.4180 |
| Norma MRP              | 62.2134 | 100.0000 | 3414.6342 | 52925.0971 | 99.0144  | 1.1959 | 12402.4129 |
| Alliant Reloder-16     | 56.7347 | 98.0000  | 3411.8509 | 56875.0761 | 100.0000 | 1.1654 | 11047.4111 |
| ADI AR 2209            | 59.1273 | 100.0000 | 3407.4820 | 56875.0761 | 98.3254  | 1.1474 | 11630.9606 |
| ReloadSwiss RS 62      | 59.1744 | 95.0000  | 3406.5546 | 56875.0761 | 100.0000 | 1.1747 | 11275.1389 |
| PB Clermont PCL 511    | 58.9278 | 93.0000  | 3403.4401 | 56875.0761 | 99.7609  | 1.1619 | 11425.3822 |
| Hodgdon H414           | 57.0889 | 91.0000  | 3402.1928 | 56875.0761 | 99.3960  | 1.1623 | 11453.2367 |
| Winchester 760         | 57.0889 | 91.0000  | 3402.1928 | 56875.0761 | 99.3960  | 1.1623 | 11453.2367 |
| Ramshot Hunter         | 59.0156 | 96.0000  | 3401.8706 | 56875.0761 | 99.7595  | 1.1621 | 11408.4992 |
| Somchem S365           | 58.0070 | 98.0000  | 3396.4423 | 56875.0761 | 100.0000 | 1.1716 | 10683.0634 |
| Alliant Reloder-19     | 59.6212 | 100.0000 | 3395.8710 | 56423.0940 | 98.3259  | 1.1598 | 11666.3897 |
| Norma URP              | 56.3054 | 95.0000  | 3384.6640 | 56875.0761 | 100.0000 | 1.1668 | 10985.7131 |
| Vihtavuori N550        | 56.4788 | 93.0000  | 3383.0984 | 56875.0761 | 99.9992  | 1.1711 | 11102.1099 |
| Accurate 4350          | 56.6981 | 95.0000  | 3382.9719 | 56875.0761 | 100.0000 | 1.1848 | 11013.3461 |
| Norma 204              | 58.5337 | 95.0000  | 3379.3083 | 56875.0761 | 98.1757  | 1.1555 | 11389.5628 |
| Raufoss RA4            | 58.5337 | 98.0000  | 3379.3083 | 56875.0761 | 98.1757  | 1.1555 | 11389.5628 |
| IMR 7828 SSC           | 61.2413 | 100.0000 | 3378.5300 | 52778.2864 | 96.5174  | 1.1844 | 12111.7471 |
| SNPE Vectan SP 11      | 54.8504 | 89.0000  | 3361.1472 | 56875.0761 | 100.0000 | 1.1643 | 10565.6528 |
| IMR 4895               | 51.2258 | 86.0000  | 3355.8265 | 56875.0761 | 100.0000 | 1.1677 | 10508.9764 |
| Ramshot Big Game       | 54.7609 | 86.0000  | 3355.4932 | 56875.0761 | 100.0000 | 1.1644 | 10468.6739 |
| IMR 4831               | 57.0938 | 100.0000 | 3355.4914 | 56351.6158 | 100.0000 | 1.1812 | 10747.3711 |
| ReloadSwiss RS 52      | 53.4280 | 87.0000  | 3353.0245 | 56875.0761 | 100.0000 | 1.1717 | 10322.5132 |
| Winchester Supreme 780 | 62.2233 | 99.0000  | 3349.4265 | 56875.0761 | 98.3071  | 1.1618 | 11090.2362 |
| Alliant Reloder-15     | 51.6937 | 87.0000  | 3348.4214 | 56875.0761 | 100.0000 | 1.1673 | 10474.3574 |

|                     |         |          |           |            |          |        |            |
|---------------------|---------|----------|-----------|------------|----------|--------|------------|
| Raufoss RA11        | 51.6937 | 87.0000  | 3348.4214 | 56875.0761 | 100.0000 | 1.1673 | 10474.3574 |
| Rottweil R904       | 58.1165 | 99.0000  | 3345.0123 | 56875.0761 | 97.3043  | 1.1572 | 11075.1487 |
| Norma 203B          | 51.9456 | 87.0000  | 3343.3972 | 56875.0761 | 100.0000 | 1.1693 | 10386.9194 |
| Somchem S385        | 60.2693 | 100.0000 | 3343.1973 | 55634.0952 | 98.9073  | 1.1878 | 11179.0708 |
| Lovex S070          | 56.0567 | 95.0000  | 3341.9304 | 56875.0761 | 99.4434  | 1.1742 | 10867.6748 |
| Vihtavuori N560     | 60.9173 | 100.0000 | 3341.7988 | 50150.1377 | 95.3930  | 1.2205 | 12308.2314 |
| Hodgdon H380        | 53.6855 | 88.0000  | 3341.1612 | 56875.0761 | 99.9799  | 1.1724 | 10615.8103 |
| Hodgdon Hybrid 100V | 56.5556 | 98.0000  | 3340.3515 | 56875.0761 | 100.0000 | 1.1667 | 10145.3453 |
| Hodgdon H4350       | 56.8779 | 98.0000  | 3338.3866 | 56875.0761 | 98.9774  | 1.1592 | 10801.1696 |
| IMR 4350            | 56.7534 | 96.0000  | 3337.8208 | 56875.0761 | 99.0394  | 1.1593 | 10783.0244 |
| Norma 203 old       | 53.4176 | 89.0000  | 3330.1978 | 56875.0761 | 100.0000 | 1.1843 | 10249.3175 |
| Bofors RP3          | 53.4176 | 89.0000  | 3330.1978 | 56875.0761 | 100.0000 | 1.1843 | 10249.3175 |
| ADI AR 2213         | 60.2693 | 100.0000 | 3329.8981 | 51263.0640 | 95.9571  | 1.1988 | 11864.6221 |
| IMR 4320            | 51.9538 | 89.0000  | 3329.3609 | 56875.0761 | 100.0000 | 1.1540 | 10100.7953 |
| Rottweil R903       | 53.4422 | 91.0000  | 3325.3704 | 56875.0761 | 100.0000 | 1.1838 | 10174.1796 |
| ReloadSwiss RS 50   | 54.5328 | 88.0000  | 3323.9906 | 56875.0761 | 99.5944  | 1.1661 | 10552.7413 |
| Rottweil R907       | 54.2532 | 93.0000  | 3320.7945 | 56875.0761 | 98.9806  | 1.1659 | 10663.9979 |
| Bofors RP7          | 54.2532 | 93.0000  | 3320.7945 | 56875.0761 | 98.9806  | 1.1659 | 10663.9979 |
| IMR 4007 SSC        | 54.2941 | 90.0000  | 3320.0233 | 56875.0761 | 98.9790  | 1.1660 | 10656.3330 |
| Somchem S355        | 52.8244 | 91.0000  | 3320.0021 | 56875.0761 | 100.0000 | 1.1765 | 10153.4683 |
| Hodgdon H4831 SC    | 60.2693 | 100.0000 | 3319.0732 | 53950.3095 | 95.9476  | 1.1808 | 11304.2085 |
| Lovex S065          | 54.7439 | 94.0000  | 3318.1831 | 56875.0761 | 99.8317  | 1.1727 | 10481.1478 |
| Alliant Reloder-22  | 60.2693 | 100.0000 | 3313.4976 | 49623.2070 | 97.2271  | 1.2315 | 11932.4403 |
| Raufoss RA15        | 60.2693 | 100.0000 | 3313.4976 | 49623.2070 | 97.2271  | 1.2315 | 11932.4403 |
| Accurate MAGPRO     | 63.3799 | 100.0000 | 3304.8747 | 49064.1113 | 93.4728  | 1.2410 | 12237.1620 |
| IMR 4064            | 50.6075 | 90.0000  | 3303.9059 | 56875.0761 | 100.0000 | 1.1604 | 9925.3150  |
| Somchem S361        | 62.1212 | 98.0000  | 3303.5084 | 56875.0761 | 96.5828  | 1.1706 | 10799.0746 |
| IMR 3031            | 47.9668 | 86.0000  | 3294.8407 | 56875.0761 | 100.0000 | 1.1732 | 9469.9017  |
| Lovex S062          | 50.8968 | 88.0000  | 3294.7834 | 56875.0761 | 100.0000 | 1.1753 | 9779.1434  |
| Norma 201           | 49.6885 | 85.0000  | 3287.9285 | 56875.0761 | 100.0000 | 1.1746 | 9740.6949  |
| Accurate 4064       | 51.5832 | 88.0000  | 3286.2537 | 56875.0761 | 100.0000 | 1.2033 | 9681.9345  |
| Rottweil R902       | 49.9116 | 87.0000  | 3278.6303 | 56875.0761 | 100.0000 | 1.1758 | 9626.7403  |
| Ramshot Magnum      | 64.9353 | 100.0000 | 3274.3117 | 48868.9890 | 97.7826  | 1.2360 | 11493.1592 |
| Vihtavuori N150     | 53.7295 | 96.0000  | 3270.6956 | 56875.0761 | 100.0000 | 1.1763 | 9549.1338  |
| Vihtavuori N540     | 52.1785 | 87.0000  | 3266.6509 | 56875.0761 | 100.0000 | 1.1749 | 9530.5467  |
| Accurate 2700       | 55.9105 | 90.0000  | 3265.5121 | 56875.0761 | 98.8609  | 1.1701 | 10055.9942 |
| Rottweil R905       | 59.1676 | 100.0000 | 3232.4946 | 47666.1518 | 94.6311  | 1.2542 | 11396.6635 |
| Vihtavuori N135     | 49.6580 | 92.0000  | 3228.2970 | 56875.0761 | 100.0000 | 1.1841 | 8889.4012  |
| Bofors RP15         | 58.9731 | 100.0000 | 3215.3353 | 45189.2058 | 95.8858  | 1.2851 | 11635.5315 |
| Winchester WXR      | 58.9731 | 100.0000 | 3215.3353 | 45189.2058 | 95.8858  | 1.2851 | 11635.5315 |
| Alliant Reloder-23  | 58.3251 | 100.0000 | 3212.5868 | 45003.8121 | 99.9446  | 1.2905 | 10986.7792 |
| Accurate 3100       | 59.6212 | 100.0000 | 3205.7240 | 48575.2967 | 98.9636  | 1.2790 | 10754.5598 |
| SNPE Vectan SP 12   | 63.6391 | 100.0000 | 3198.6012 | 44140.3380 | 94.6297  | 1.2906 | 11813.2739 |
| PB Clermont PCL 517 | 63.6391 | 100.0000 | 3191.7234 | 43871.7725 | 94.4009  | 1.2941 | 11802.2885 |
| Hodgdon H4831       | 57.9363 | 100.0000 | 3177.3387 | 46915.0972 | 93.9875  | 1.2567 | 10860.7679 |
| IMR 7828            | 57.9363 | 100.0000 | 3166.3868 | 43267.2234 | 93.4703  | 1.2968 | 11440.3530 |
| ADI AP 2214         | 61.8894 | 100.0000 | 3147.6043 | 43894.9807 | 93.7134  | 1.2895 | 11263.7059 |

|                    |         |          |           |            |         |        |            |
|--------------------|---------|----------|-----------|------------|---------|--------|------------|
| Vihtavuori N165    | 58.9731 | 100.0000 | 3146.9462 | 46300.8860 | 96.8449 | 1.2778 | 10468.1876 |
| Vihtavuori N160    | 57.1586 | 100.0000 | 3142.3994 | 47390.5816 | 94.9961 | 1.2592 | 10333.4233 |
| Alliant Reloder-25 | 59.2972 | 100.0000 | 3133.8369 | 40353.3707 | 98.0406 | 1.3449 | 11498.4141 |
| Lovex S071         | 56.3809 | 100.0000 | 3010.4783 | 39562.1741 | 96.9918 | 1.4052 | 10295.7180 |
| Bofors RP30        | 59.6212 | 100.0000 | 3007.6177 | 36022.7655 | 91.1845 | 1.4295 | 11315.8551 |
| Norma MRP 2        | 59.6212 | 100.0000 | 3007.6177 | 36022.7655 | 91.1845 | 1.4295 | 11315.8551 |
| Vihtavuori N570    | 62.8615 | 100.0000 | 2958.1702 | 34679.8656 | 82.6677 | 1.4529 | 11525.9319 |
| Hodgdon H1000      | 58.9731 | 100.0000 | 2947.8736 | 36530.4879 | 89.9327 | 1.4056 | 10519.4639 |
| ADI AR 2217        | 58.9731 | 100.0000 | 2947.8736 | 36530.4879 | 89.9327 | 1.4056 | 10519.4639 |
| ADI AR 2225        | 59.9452 | 100.0000 | 2856.2091 | 31656.7719 | 90.9465 | 1.5124 | 10935.8807 |
| Hodgdon Retumbo    | 59.9452 | 100.0000 | 2856.2091 | 31656.7719 | 90.9465 | 1.5124 | 10935.8807 |
| Alliant Reloder-33 | 64.6760 | 100.0000 | 2848.0245 | 31954.1206 | 80.8081 | 1.5156 | 10980.1512 |
| Lovex D100         | 64.1576 | 100.0000 | 2830.9833 | 35818.1950 | 78.2419 | 1.4401 | 9463.4983  |
| Vihtavuori N170    | 58.9731 | 100.0000 | 2787.7955 | 32836.6624 | 81.2089 | 1.5123 | 9548.1210  |
| Vihtavuori 24N41   | 63.5095 | 100.0000 | 2777.4743 | 33270.4373 | 73.9827 | 1.4839 | 9606.0742  |
| ReloadSwiss RS 80  | 64.6760 | 100.0000 | 2777.0947 | 30212.2114 | 79.5536 | 1.5566 | 10686.1564 |
| ADI AR 2218        | 63.5095 | 100.0000 | 2743.8541 | 31067.5038 | 74.7818 | 1.5314 | 10359.0297 |
| Norma 217          | 58.7139 | 100.0000 | 2716.7282 | 26852.4789 | 86.2566 | 1.6468 | 10593.2569 |
| Hodgdon H870       | 61.5654 | 100.0000 | 2681.4206 | 27302.8898 | 78.6563 | 1.6350 | 10137.6601 |