

# Rifle Reloading data

## Cartridge

|             |   |
|-------------|---|
| Cartridge   | .300 Winchester Magnum                  |
| Test barrel | 620 mm (24½"), 1 in 10" twist           |
| Primers     | Large Rifle Magnum                      |
| Cases       | Lapua, trim-to length 66,30 mm (2.610") |



VIHTAVUORI

## Bullet specifications

Your search returned **150** different loads:

| Bullet |          |                       |       | Powder | Load   |      |          |      |
|--------|----------|-----------------------|-------|--------|--------|------|----------|------|
| g      |          | mm                    |       |        | g      |      | m/s      |      |
| Weight | Mfg      | Type                  | C.O.L | Type   | Weight |      | Velocity |      |
|        |          |                       |       |        | start  | max  | start    | max  |
| 8,0    | Lapua    | FMJ                   | 81,9  | N540   | 4,10   | 4,51 | 980      | 1060 |
| 8,0    | Lapua    | FMJ                   | 81,9  | N150   | 3,84   | 4,37 | 944      | 1029 |
| 8,0    | Lapua    | FMJ                   | 81,9  | N550   | 4,30   | 4,67 | 975      | 1063 |
| 8,0    | Lapua    | FMJ                   | 81,9  | N555   | 4,60   | 5,10 | 972      | 1071 |
| 8,0    | Lapua    | FMJ                   | 81,9  | N160   | 4,50   | 5,07 | 955      | 1055 |
| 9,7    | Lapua    | Mega E469             | 79,5  | N550   | 3,90   | 4,29 | 877      | 959  |
| 9,7    | Lapua    | Mega E469             | 79,5  | N555   | 3,91   | 4,60 | 859      | 964  |
| 9,7    | Lapua    | Mega E469             | 79,5  | N160   | 3,50   | 4,26 | 829      | 929  |
| 9,7    | Lapua    | Mega E469             | 79,5  | N165   | 4,30   | 5,12 | 870      | 973  |
| 9,7    | Lapua    | Mega E469             | 79,5  | N560   | 4,35   | 4,84 | 870      | 968  |
| 9,7    | Lapua    | Mega E469             | 79,5  | N565   | 4,55   | 5,15 | 883      | 976  |
| 9,7    | Lapua    | Mega E469             | 79,5  | N170   | 4,90   | 5,25 | 877      | 928  |
| 10,0   | Brenneke | TAG                   | 83,5  | N550   | 4,07   | 4,44 | 897      | 974  |
| 10,0   | Brenneke | TAG                   | 83,5  | N555   | 4,50   | 4,89 | 915      | 988  |
| 10,0   | Brenneke | TAG                   | 83,5  | N160   | 4,50   | 4,98 | 897      | 978  |
| 10,0   | Brenneke | TAG                   | 83,5  | N165   | 4,99   | 5,40 | 921      | 1000 |
| 10,0   | Brenneke | TAG                   | 83,5  | N560   | 4,76   | 5,16 | 907      | 989  |
| 10,0   | Lapua    | Scenar / OTM Scenar-L | 84,0  | N150   | 3,50   | 4,02 | 857      | 927  |
| 10,0   | Lapua    | Scenar / OTM Scenar-L | 84,0  | N550   | 3,90   | 4,33 | 873      | 963  |
| 10,0   | Lapua    | Scenar / OTM Scenar-L | 84,0  | N555   | 4,30   | 4,73 | 898      | 977  |
| 10,0   | Lapua    | Scenar / OTM Scenar-L | 84,0  | N160   | 4,25   | 4,78 | 873      | 955  |
| 10,0   | Lapua    | Scenar / OTM Scenar-L | 84,0  | N165   | 4,80   | 5,29 | 894      | 982  |
| 10,0   | Lapua    | Scenar / OTM Scenar-L | 84,0  | N560   | 4,60   | 4,97 | 904      | 976  |
| 10,0   | Lapua    | Scenar / OTM Scenar-L | 84,0  | N565   | 4,75   | 5,18 | 893      | 974  |
| 10,7   | Hornady  | SST                   | 84,8  | N550   | 3,95   | 4,26 | 872      | 939  |
| 10,7   | Hornady  | SST                   | 84,8  | N555   | 4,24   | 4,62 | 879      | 948  |

| Bullet |         |                |       | Powder | Load   |      |          |     |  |
|--------|---------|----------------|-------|--------|--------|------|----------|-----|--|
| g      |         |                |       | mm     |        | g    |          | m/s |  |
| Weight | Mfg     | Type           | C.O.L | Type   | Weight |      | Velocity |     |  |
|        |         |                |       |        | start  | max  | start    | max |  |
| 10,7   | Hornady | SST            | 84,8  | N160   | 4,25   | 4,71 | 861      | 936 |  |
| 10,7   | Hornady | SST            | 84,8  | N165   | 4,68   | 5,01 | 880      | 951 |  |
| 10,7   | Hornady | SST            | 84,8  | N560   | 4,51   | 4,88 | 875      | 953 |  |
| 10,7   | Hornady | SST            | 84,8  | N565   | 4,74   | 5,12 | 875      | 947 |  |
| 10,7   | Sierra  | SBT            | 84,8  | N550   | 3,93   | 4,30 | 859      | 931 |  |
| 10,7   | Sierra  | SBT            | 84,8  | N555   | 4,04   | 4,64 | 856      | 940 |  |
| 10,7   | Sierra  | SBT            | 84,8  | N160   | 3,56   | 4,27 | 806      | 900 |  |
| 10,7   | Sierra  | SBT            | 84,8  | N165   | 4,35   | 5,14 | 850      | 947 |  |
| 10,7   | Sierra  | SBT            | 84,8  | N560   | 4,44   | 4,85 | 870      | 947 |  |
| 10,7   | Sierra  | SBT            | 84,8  | N565   | 4,60   | 5,14 | 868      | 952 |  |
| 10,7   | Sierra  | SBT            | 84,8  | N170   | 5,00   | 5,38 | 862      | 934 |  |
| 10,85  | Lapua   | OTM Scenar     | 84,8  | N160   | 4,13   | 4,58 | 843      | 918 |  |
| 10,85  | Lapua   | OTM Scenar     | 84,8  | N165   | 4,58   | 4,99 | 871      | 943 |  |
| 10,85  | Lapua   | OTM Scenar     | 84,8  | N560   | 4,54   | 4,89 | 872      | 949 |  |
| 10,85  | Lapua   | OTM Scenar     | 84,8  | N565   | 4,67   | 5,03 | 869      | 941 |  |
| 10,85  | Lapua   | OTM Scenar     | 84,8  | N170   | 4,91   | 5,29 | 856      | 927 |  |
| 10,9   | Hornady | A-Max          | 84,8  | N550   | 3,86   | 4,23 | 857      | 929 |  |
| 10,9   | Hornady | A-Max          | 84,8  | N555   | 4,20   | 4,60 | 868      | 937 |  |
| 10,9   | Hornady | A-Max          | 84,8  | N160   | 4,10   | 4,56 | 837      | 914 |  |
| 10,9   | Hornady | A-Max          | 84,8  | N165   | 4,60   | 5,00 | 872      | 944 |  |
| 10,9   | Hornady | A-Max          | 84,8  | N560   | 4,47   | 4,83 | 866      | 942 |  |
| 10,9   | Hornady | A-Max          | 84,8  | N565   | 4,65   | 5,09 | 869      | 942 |  |
| 11,0   | Lapua   | LockBase B476  | 84,8  | N550   | 3,84   | 4,25 | 847      | 920 |  |
| 11,0   | Lapua   | LockBase B476  | 84,8  | N555   | 4,00   | 4,54 | 846      | 928 |  |
| 11,0   | Lapua   | LockBase B476  | 84,8  | N160   | 3,99   | 4,53 | 822      | 903 |  |
| 11,0   | Lapua   | LockBase B476  | 84,8  | N165   | 4,50   | 5,04 | 841      | 933 |  |
| 11,0   | Lapua   | LockBase B476  | 84,8  | N560   | 4,40   | 4,75 | 859      | 931 |  |
| 11,0   | Lapua   | LockBase B476  | 84,8  | N565   | 4,55   | 5,05 | 861      | 938 |  |
| 11,0   | Lapua   | LockBase B476  | 84,8  | N170   | 4,80   | 5,32 | 837      | 921 |  |
| 11,0   | Lapua   | LockBase B476  | 84,8  | N568   | 5,00   | 5,15 | 846      | 872 |  |
| 11,0   | Lapua   | Naturalis N558 | 84,0  | N550   | 3,70   | 4,08 | 814      | 892 |  |
| 11,0   | Lapua   | Naturalis N558 | 84,0  | N555   | 3,90   | 4,34 | 824      | 898 |  |
| 11,0   | Lapua   | Naturalis N558 | 84,0  | N160   | 3,40   | 4,09 | 759      | 864 |  |
| 11,0   | Lapua   | Naturalis N558 | 84,0  | N165   | 3,80   | 4,90 | 786      | 911 |  |
| 11,0   | Lapua   | Naturalis N558 | 84,0  | N560   | 4,25   | 4,58 | 835      | 910 |  |
| 11,0   | Lapua   | Naturalis N558 | 84,0  | N565   | 4,40   | 4,80 | 843      | 915 |  |
| 11,3   | Berger  | OTM Tactical   | 84,8  | N550   | 3,87   | 4,19 | 834      | 901 |  |
| 11,3   | Berger  | OTM Tactical   | 84,8  | N555   | 4,15   | 4,55 | 842      | 907 |  |

| Bullet |             |                    |       | Powder | Load   |      |          |     |
|--------|-------------|--------------------|-------|--------|--------|------|----------|-----|
| g      |             |                    | mm    |        | g      |      | m/s      |     |
| Weight | Mfg         | Type               | C.O.L | Type   | Weight |      | Velocity |     |
|        |             |                    |       |        | start  | max  | start    | max |
| 11,3   | Berger      | OTM Tactical       | 84,8  | N160   | 3,90   | 4,59 | 812      | 898 |
| 11,3   | Berger      | OTM Tactical       | 84,8  | N165   | 4,64   | 5,02 | 852      | 925 |
| 11,3   | Berger      | OTM Tactical       | 84,8  | N560   | 4,51   | 4,81 | 854      | 923 |
| 11,3   | Berger      | OTM Tactical       | 84,8  | N565   | 4,66   | 5,00 | 858      | 923 |
| 11,3   | Lapua       | OTM Scenar-L GB550 | 84,8  | N160   | 4,00   | 4,52 | 833      | 897 |
| 11,3   | Lapua       | OTM Scenar-L GB550 | 84,8  | N165   | 4,52   | 4,93 | 848      | 921 |
| 11,3   | Lapua       | OTM Scenar-L GB550 | 84,8  | N560   | 4,51   | 4,85 | 856      | 926 |
| 11,3   | Lapua       | OTM Scenar-L GB550 | 84,8  | N565   | 4,60   | 4,97 | 855      | 923 |
| 11,3   | Lapua       | OTM Scenar-L GB550 | 84,8  | N170   | 4,87   | 5,33 | 838      | 917 |
| 11,6   | Hornady     | ELD-X              | 84,8  | N160   | 3,50   | 3,77 | 794      | 832 |
| 11,6   | Hornady     | ELD-X              | 84,8  | N165   | 3,70   | 4,91 | 777      | 901 |
| 11,6   | Hornady     | ELD-X              | 84,8  | N560   | 4,25   | 4,67 | 830      | 907 |
| 11,7   | Fox Bullets | Classic Hunter     | 84,8  | N165   | 3,81   | 4,31 | 781      | 863 |
| 11,7   | Fox Bullets | Classic Hunter     | 84,8  | N560   | 4,15   | 4,57 | 814      | 889 |
| 11,7   | Fox Bullets | Classic Hunter     | 84,8  | N565   | 4,30   | 4,88 | 817      | 895 |
| 11,7   | Hornady     | GMX                | 84,8  | N555   | 3,53   | 3,95 | 766      | 837 |
| 11,7   | Hornady     | GMX                | 84,8  | N160   | 3,50   | 3,79 | 764      | 813 |
| 11,7   | Hornady     | GMX                | 84,8  | N165   | 3,68   | 4,13 | 750      | 832 |
| 11,7   | Hornady     | GMX                | 84,8  | N560   | 3,85   | 4,31 | 781      | 865 |
| 11,7   | Hornady     | GMX                | 84,8  | N565   | 3,93   | 4,52 | 787      | 868 |
| 11,7   | Nosler      | BT Hunting         | 84,8  | N165   | 4,56   | 4,95 | 826      | 896 |
| 11,7   | Nosler      | BT Hunting         | 84,8  | N560   | 4,43   | 4,76 | 829      | 900 |
| 11,7   | Nosler      | BT Hunting         | 84,8  | N565   | 4,59   | 5,02 | 837      | 905 |
| 11,7   | Nosler      | BT Hunting         | 84,8  | N170   | 4,86   | 5,29 | 820      | 895 |
| 12,0   | Lapua       | Mega E415          | 82,5  | N550   | 3,85   | 4,17 | 813      | 876 |
| 12,0   | Lapua       | Mega E415          | 82,5  | N555   | 4,03   | 4,47 | 811      | 881 |
| 12,0   | Lapua       | Mega E415          | 82,5  | N160   | 3,87   | 4,41 | 766      | 859 |
| 12,0   | Lapua       | Mega E415          | 82,5  | N165   | 4,16   | 4,82 | 782      | 881 |
| 12,0   | Lapua       | Mega E415          | 82,5  | N560   | 4,33   | 4,72 | 817      | 890 |
| 12,0   | Lapua       | Mega E415          | 82,5  | N565   | 4,46   | 4,96 | 819      | 897 |
| 12,0   | Lapua       | Mega E415          | 82,5  | N170   | 4,75   | 5,23 | 804      | 882 |
| 12,0   | Lapua       | Mega E415          | 82,5  | N568   | 5,00   | 5,15 | 831      | 853 |
| 12,0   | Lapua       | OTM Scenar         | 84,8  | N160   | 3,90   | 4,34 | 791      | 857 |
| 12,0   | Lapua       | OTM Scenar         | 84,8  | N165   | 4,32   | 4,84 | 813      | 889 |
| 12,0   | Lapua       | OTM Scenar         | 84,8  | N560   | 4,39   | 4,73 | 828      | 899 |
| 12,0   | Lapua       | OTM Scenar         | 84,8  | N565   | 4,49   | 4,87 | 830      | 899 |
| 12,0   | Lapua       | OTM Scenar         | 84,8  | N170   | 4,76   | 5,15 | 816      | 888 |
| 13,0   | Lapua       | Mega E401          | 84,8  | N165   | 3,85   | 4,38 | 754      | 826 |

| Bullet |         |                          |       | Powder | Load   |      |          |     |
|--------|---------|--------------------------|-------|--------|--------|------|----------|-----|
| g      |         |                          | mm    |        | g      |      | m/s      |     |
| Weight | Mfg     | Type                     | C.O.L | Type   | Weight |      | Velocity |     |
|        |         |                          |       |        | start  | max  | start    | max |
| 13,0   | Lapua   | Mega E401                | 84,8  | N565   | 4,22   | 4,65 | 782      | 852 |
| 13,0   | Lapua   | Mega E401                | 84,8  | N170   | 4,43   | 4,92 | 766      | 841 |
| 13,0   | Lapua   | Mega E401                | 84,8  | N568   | 4,51   | 5,02 | 785      | 857 |
| 13,0   | Lapua   | Mega E401                | 84,8  | N570   | 4,38   | 4,80 | 792      | 866 |
| 13,0   | Nosler  | Partition                | 84,8  | N165   | 3,90   | 4,63 | 761      | 835 |
| 13,0   | Nosler  | Partition                | 84,8  | N565   | 4,45   | 4,85 | 795      | 861 |
| 13,0   | Nosler  | Partition                | 84,8  | N170   | 4,60   | 5,10 | 775      | 852 |
| 13,0   | Nosler  | Partition                | 84,8  | N570   | 4,42   | 4,75 | 796      | 862 |
| 13,3   | Berger  | Elite Hunter             | 84,8  | N550   | 3,70   | 4,03 | 779      | 841 |
| 13,3   | Berger  | Elite Hunter             | 84,8  | N555   | 4,00   | 4,42 | 781      | 850 |
| 13,3   | Berger  | Elite Hunter             | 84,8  | N160   | 4,05   | 4,53 | 770      | 850 |
| 13,3   | Berger  | Elite Hunter             | 84,8  | N165   | 4,60   | 4,92 | 803      | 873 |
| 13,3   | Berger  | Elite Hunter             | 84,8  | N560   | 4,32   | 4,67 | 800      | 866 |
| 13,3   | Berger  | Elite Hunter             | 84,8  | N565   | 4,48   | 4,84 | 802      | 868 |
| 13,3   | Berger  | Elite Hunter             | 84,8  | N170   | 4,70   | 5,10 | 784      | 853 |
| 13,3   | Berger  | Elite Hunter             | 84,8  | N568   | 5,02   | 5,15 | 811      | 831 |
| 13,5   | Berger  | Long Range Hybrid Target | 84,8  | N550   | 3,70   | 4,05 | 778      | 837 |
| 13,5   | Berger  | Long Range Hybrid Target | 84,8  | N555   | 3,98   | 4,38 | 775      | 842 |
| 13,5   | Berger  | Long Range Hybrid Target | 84,8  | N160   | 4,00   | 4,45 | 764      | 835 |
| 13,5   | Berger  | Long Range Hybrid Target | 84,8  | N165   | 4,52   | 4,87 | 795      | 859 |
| 13,5   | Berger  | Long Range Hybrid Target | 84,8  | N560   | 4,30   | 4,64 | 792      | 861 |
| 13,5   | Berger  | Long Range Hybrid Target | 84,8  | N565   | 4,50   | 4,85 | 801      | 863 |
| 13,5   | Berger  | Long Range Hybrid Target | 84,8  | N170   | 4,70   | 5,10 | 785      | 852 |
| 14,3   | Berger  | Long Range Hybrid Target | 88,0  | N550   | 3,60   | 3,88 | 750      | 801 |
| 14,3   | Berger  | Long Range Hybrid Target | 88,0  | N555   | 3,80   | 4,22 | 743      | 807 |
| 14,3   | Berger  | Long Range Hybrid Target | 88,0  | N160   | 3,66   | 4,22 | 722      | 798 |
| 14,3   | Berger  | Long Range Hybrid Target | 88,0  | N165   | 4,08   | 4,64 | 746      | 822 |
| 14,3   | Berger  | Long Range Hybrid Target | 88,0  | N560   | 4,10   | 4,50 | 766      | 832 |
| 14,3   | Berger  | Long Range Hybrid Target | 88,0  | N565   | 4,25   | 4,68 | 766      | 835 |
| 14,3   | Berger  | Long Range Hybrid Target | 88,0  | N170   | 4,52   | 4,95 | 758      | 826 |
| 14,3   | Berger  | Long Range Hybrid Target | 88,0  | N568   | 4,89   | 5,15 | 786      | 830 |
| 14,3   | Lapua   | OTM Scenar-L             | 84,8  | N165   | 3,96   | 4,47 | 721      | 791 |
| 14,3   | Lapua   | OTM Scenar-L             | 84,8  | N560   | 4,03   | 4,44 | 740      | 816 |
| 14,3   | Lapua   | OTM Scenar-L             | 84,8  | N565   | 4,41   | 4,73 | 771      | 833 |
| 14,3   | Lapua   | OTM Scenar-L             | 84,8  | N170   | 4,66   | 5,01 | 764      | 830 |
| 14,3   | Lapua   | OTM Scenar-L             | 84,8  | N568   | 4,96   | 5,20 | 786      | 831 |
| 14,3   | Lapua   | OTM Scenar-L             | 84,8  | N570   | 5,00   | 5,20 | 810      | 856 |
| 14,6   | Hornady | ELD-M                    | 86,0  | N555   | 3,80   | 4,19 | 735      | 797 |

| Bullet |         |               |       | Powder | Load   |      |          |     |  |
|--------|---------|---------------|-------|--------|--------|------|----------|-----|--|
| g      |         |               |       | mm     |        | g    |          | m/s |  |
| Weight | Mfg     | Type          | C.O.L | Type   | Weight |      | Velocity |     |  |
|        |         |               |       |        | start  | max  | start    | max |  |
| 14,6   | Hornady | ELD-M         | 86,0  | N160   | 3,70   | 4,15 | 718      | 783 |  |
| 14,6   | Hornady | ELD-M         | 86,0  | N165   | 4,00   | 4,61 | 717      | 796 |  |
| 14,6   | Hornady | ELD-M         | 86,0  | N560   | 4,00   | 4,45 | 733      | 811 |  |
| 14,6   | Hornady | ELD-M         | 86,0  | N565   | 4,15   | 4,67 | 739      | 818 |  |
| 14,6   | Hornady | ELD-M         | 86,0  | N568   | 4,80   | 5,10 | 773      | 821 |  |
| 14,9   | Berger  | Hybrid Target | 86,5  | N165   | 4,02   | 4,45 | 721      | 786 |  |
| 14,9   | Berger  | Hybrid Target | 86,5  | N565   | 4,23   | 4,66 | 745      | 813 |  |
| 14,9   | Berger  | Hybrid Target | 86,5  | N170   | 4,39   | 4,81 | 725      | 796 |  |
| 14,9   | Berger  | Hybrid Target | 86,5  | N568   | 4,70   | 5,15 | 756      | 827 |  |
| 14,9   | Berger  | Hybrid Target | 86,5  | N570   | 4,47   | 4,88 | 758      | 825 |  |