**6mm-ARC_108ELD_AllPowders_2-28in_20inch_6-6-20**



## User Data:

**Date:6-Jun-2020** **Time:18:34:48** **File: *.dat**

| | | | | | |
|---|---|---|---|---|---|
| **Comment** | **6mm-ARC_108ELD_AllPowders_2-28in_20inch_6-6-20** | | | | |
| **Cartridge / Caliber** | **6 mm ARC** | | **Bullet** | **.243, 108, Hornady ELD-M 24561** | |
| Maximum Average Pressure, allowed | 58740 psi. | 4050 bar (Piezo) | | with boattail | |
| Groove Caliber | 0.242 in. | 6.15 mm | Bullet Weight | 108.0 gr. | 7.0 gm |
| Case Capacity, overflow | 34.81 gr. H2O | 2.26 cm³ | Bullet Length | 1.252 in. | 31.8 mm |
| Case Length | 1.490 in. | 37.85 mm | Bullet Seating Depth | 0.462 in. | 11.73 mm |
| Cartridge O.A. Length | 2.280 in. | 57.91 mm | Barrel/Tube Length | 20.0 in. | 508.0 mm |
| Shot Start / Init Pressure | 3626 psi. | 250.0 bar | Cross Section Area of Bore | 0.04535 in.² | 0.2926 cm² |
| **Propellant type** | **Hodgdon CFE223** | | | | |
| Charge Weight | 29.8 gr. | 1.931 gm | Load Density | 251.1 gr./in.³ | 0.993 gm/cm³ |
| Heat of Explosion, Potential | 254.0 J/gr. | 3920 J/gm | Energy Density of Charge | 63778 J/in.³ | 3892 J/cm³ |
| Propellant Solid Density | 414.74 gr./in.³ | 1.64 gm/cm³ | Used Ratio of Specific Heats cp/cv | 1.2305 | |
| Burning Rate Factor Ba | 0.533 1/s | | Weighting Factor | 0.67 | |
| Burning Function Limit Z1 | 0.522 | | Prog.-/ Degressivity Factor a0 | 0.7 | |
| Factor b | 1.675 | | Bulk Density | 259.2 gr./in.³ | 1.025 gm/cm³ |

## Calculated and Estimated Data:

| | | | | | |
|---|---|---|---|---|---|
| Bullet Shank Seating Depth | 0.282 in. | 7.16 mm | Capacity Displaced by Seated Bullet | 0.0192 in.³ | 0.315 cm³ |
| Useable Case Capacity | 0.1187 in.³ | 1.945 cm³ | Bullet Travel at Muzzle Exit | 18.97 in. | 481.88 mm |
| Loading Ratio("Density") / Filling | 96.9 % | | Charge Fraction Burnt at Shot Start | 1.10 % | |
| **Predicted Data:** | | | | | |
| Maximum Chamber Pressure | 65403 psi. | 4509 bar | Bullet Travel at Pmax | 1.42 in. | 36.0 mm |
| **at Muzzle Exit:** | | | | | |
| Bullet Velocity | 2679 fps. | 816.7 m/s | Pressure at Muzzle | 9103 psi. | 628 bar |
| Bullet Energy | 1722 ft.lbs. | 2334 Joule | Bullet Barrel Time | 1.028 ms | |
| Propellant Burnt | 99.8 % | | Ballistic Efficiency | 30.8 % | |

D A N G E R : PRESSURE EXCEEDS ALLOWED MAXIMUM LEVEL !
Real maximum (peak) of pressure is reached while bullet moves within barrel.
End of combustion occurs after the bullet's base passes muzzle.

**Table with predicted charges of different powders for a nominal pressure of about 379 MPa or 55000 psi**

CAUTION! - D A N G E R ! : Table may exceed limits of recommended loads ! Pressures exceeding SAAMI or CIP specs are underlined!
Be aware that the powders listed may be totally unsuitable for the given cartridge !
In reality the order of loads may vary due to lot-to-lot variations of propellants and other components.

| Propellant type | L.R./Filling | Charge Weight | | Muzzle Vel. | | Max. Pressure | | Prop.Burnt | B_Time |
|---|---|---|---|---|---|---|---|---|---|
| | % | Gramm | Grains | m/s | fps | bar | psi | % | ms |
| Alliant Reloder-26 | 115 | 2.20 | 34.0 | 808 | 2650 | 3792 | 55000 | 97.3 | 1.088 |
| ReloadSwiss RS 60 | 104 | 1.96 | 30.2 | 801 | 2629 | 3792 | 55000 | 99.8 | 1.087 |
| Elcho 17 | 103 | 1.94 | 29.9 | 797 | 2614 | 3792 | 55000 | 99.4 | 1.091 |
| Alliant Reloder-17 | 103 | 1.94 | 29.9 | 797 | 2614 | 3792 | 55000 | 99.4 | 1.091 |
| Somchem S365 | 112 | 1.99 | 30.6 | 795 | 2609 | 3792 | 55000 | 99.9 | 1.095 |
| Alliant Reloder-23 | 120 | 2.11 | 32.5 | 793 | 2602 | 3792 | 55000 | 98.8 | 1.094 |
| Alliant Reloder-16 | 111 | 1.94 | 29.9 | 792 | 2600 | 3792 | 55000 | 98.8 | 1.097 |
| Alliant Reloder-25 | 123 | 2.19 | 33.8 | 790 | 2593 | 3792 | 55000 | 96.2 | 1.094 |
| ReloadSwiss RS 62 | 108 | 2.02 | 31.2 | 790 | 2592 | 3792 | 55000 | 97.7 | 1.103 |
| Norma 217 | 135 | 2.38 | 36.7 | 790 | 2591 | 3792 | 55000 | 92.4 | 1.096 |
| Norma MRP 2 | 126 | 2.26 | 34.9 | 787 | 2584 | 3792 | 55000 | 90.6 | 1.096 |
| Bofors RP30 | 126 | 2.26 | 34.9 | 787 | 2583 | 3792 | 55000 | 90.6 | 1.097 |
| Raufoss RA15 | 117 | 2.11 | 32.6 | 786 | 2579 | 3792 | 55000 | 92.5 | 1.097 |
| Alliant Reloder-22 | 117 | 2.11 | 32.6 | 786 | 2579 | 3792 | 55000 | 92.5 | 1.097 |
| Bofors RP5/NP ~approximation | 117 | 2.11 | 32.6 | 786 | 2579 | 3792 | 55000 | 92.5 | 1.097 |
| Winchester WXR | 120 | 2.12 | 32.8 | 786 | 2578 | 3792 | 55000 | 92.3 | 1.098 |
| Bofors RP15 | 120 | 2.12 | 32.8 | 786 | 2578 | 3792 | 55000 | 92.3 | 1.098 |
| Vihtavuori N560 | 116 | 2.13 | 32.8 | 785 | 2577 | 3792 | 55000 | 89.4 | 1.097 |
| ReloadSwiss RS 70 | 110 | 2.10 | 32.4 | 785 | 2576 | 3792 | 55000 | 94.4 | 1.095 |
| Accurate 4350 | 108 | 1.93 | 29.8 | 783 | 2568 | 3792 | 55000 | 97.9 | 1.117 |
| PB Clermont PCL 511 | 105 | 2.00 | 30.8 | 782 | 2567 | 3792 | 55000 | 96.0 | 1.101 |
| Norma URP | 108 | 1.91 | 29.5 | 782 | 2567 | 3792 | 55000 | 97.8 | 1.105 |
| Bofors RP19 ~approximation | 108 | 1.91 | 29.5 | 782 | 2566 | 3792 | 55000 | 97.8 | 1.105 |
| Ramshot Hunter | 108 | 2.00 | 30.9 | 782 | 2566 | 3792 | 55000 | 96.0 | 1.101 |
| PB Clermont PCL 518 | 109 | 2.01 | 31.1 | 782 | 2565 | 3792 | 55000 | 95.5 | 1.101 |
| ReloadSwiss RS 52 | 98 | 1.82 | 28.1 | 781 | 2564 | 3792 | 55000 | 99.8 | 1.110 |
| Vihtavuori N550 | 105 | 1.92 | 29.6 | 781 | 2563 | 3792 | 55000 | 97.7 | 1.112 |
| Winchester 760 | 102 | 1.94 | 29.9 | 780 | 2561 | 3792 | 55000 | 95.0 | 1.104 |
| Hodgdon H414 | 102 | 1.94 | 29.9 | 780 | 2561 | 3792 | 55000 | 95.0 | 1.104 |
| Accurate MAGPRO | 117 | 2.22 | 34.3 | 780 | 2560 | 3792 | 55000 | 87.2 | 1.101 |
| SNPE Vectan SP 11 | 101 | 1.86 | 28.7 | 778 | 2554 | 3792 | 55000 | 98.9 | 1.107 |

continued

**Table with predicted charges of different powders for a nominal pressure of about 379 MPa or 55000 psi**

CAUTION! - D A N G E R ! : Table may exceed limits of recommended loads ! Pressures exceeding SAAMI or CIP specs are underlined!
Be aware that the powders listed may be totally unsuitable for the given cartridge !
In reality the order of loads may vary due to lot-to-lot variations of propellants and other components.

| Propellant type | L.R./Filling | Charge Weight | | Muzzle Vel. | | Max. Pressure | | Prop.Burnt | B_Time |
|---|---|---|---|---|---|---|---|---|---|
| | % | Gramm | Grains | m/s | fps | bar | psi | % | ms |
| IMR 4831 | 114 | 1.95 | 30.0 | 778 | 2552 | 3792 | 55000 | 98.0 | 1.113 |
| Hodgdon CFE223 | 92 | 1.83 | 28.3 | 778 | 2552 | 3792 | 55000 | 99.2 | 1.107 |
| Ramshot Big Game | 97 | 1.86 | 28.7 | 777 | 2548 | 3792 | 55000 | 98.8 | 1.107 |
| Hodgdon Retumbo | 129 | 2.33 | 35.9 | 776 | 2547 | 3792 | 55000 | 92.6 | 1.102 |
| ADI AR 2225 | 129 | 2.33 | 35.9 | 776 | 2547 | 3792 | 55000 | 92.6 | 1.102 |
| IMR 4895 | 97 | 1.73 | 26.7 | 775 | 2542 | 3792 | 55000 | 99.0 | 1.119 |
| Alliant Reloder-19 | 112 | 2.01 | 31.1 | 775 | 2541 | 3792 | 55000 | 92.5 | 1.102 |
| Hodgdon Hybrid 100V | 111 | 1.92 | 29.6 | 774 | 2541 | 3792 | 55000 | 99.2 | 1.103 |
| Vihtavuori N570 | 126 | 2.37 | 36.6 | 774 | 2539 | 3792 | 55000 | 81.7 | 1.103 |
| IMR 7828 | 120 | 2.09 | 32.3 | 774 | 2538 | 3792 | 55000 | 89.3 | 1.099 |
| IMR 7828 SSC | 114 | 2.09 | 32.3 | 774 | 2538 | 3792 | 55000 | 89.3 | 1.099 |
| Accurate 3100 | 118 | 2.11 | 32.5 | 773 | 2535 | 3792 | 55000 | 96.0 | 1.117 |
| Lovex S071 | 124 | 2.11 | 32.5 | 773 | 2535 | 3792 | 55000 | 96.0 | 1.117 |
| Bofors RP14 ~approximation | 113 | 2.03 | 31.3 | 772 | 2534 | 3792 | 55000 | 92.4 | 1.103 |
| Hodgdon BL-C2 | 92 | 1.80 | 27.8 | 772 | 2534 | 3792 | 55000 | 99.6 | 1.121 |
| Norma 203 old | 100 | 1.81 | 27.9 | 772 | 2533 | 3792 | 55000 | 99.5 | 1.129 |
| Bofors RP3 | 100 | 1.81 | 27.9 | 772 | 2533 | 3792 | 55000 | 99.5 | 1.129 |
| Rottweil R905 | 118 | 2.09 | 32.3 | 772 | 2533 | 3792 | 55000 | 89.6 | 1.102 |
| Norma 203B | 98 | 1.75 | 27.1 | 771 | 2531 | 3792 | 55000 | 98.9 | 1.121 |
| Alliant Reloder-15 | 98 | 1.75 | 26.9 | 771 | 2530 | 3792 | 55000 | 98.5 | 1.120 |
| Bofors RP11 ~approximation | 98 | 1.75 | 26.9 | 771 | 2530 | 3792 | 55000 | 98.5 | 1.120 |
| Raufoss RA11 | 98 | 1.75 | 26.9 | 771 | 2530 | 3792 | 55000 | 98.5 | 1.120 |
| IMR 3031 | 97 | 1.63 | 25.2 | 771 | 2529 | 3792 | 55000 | 100.0 | 1.117 |
| Somchem S385 | 113 | 2.05 | 31.7 | 771 | 2528 | 3792 | 55000 | 94.1 | 1.115 |
| ADI AR 2209 | 111 | 1.98 | 30.6 | 770 | 2526 | 3792 | 55000 | 91.9 | 1.100 |
| Rottweil R903 | 102 | 1.81 | 27.9 | 770 | 2526 | 3792 | 55000 | 99.3 | 1.130 |
| ADI AR 2213 | 114 | 2.07 | 31.9 | 769 | 2524 | 3792 | 55000 | 89.1 | 1.100 |
| SNPE Vectan SP 12 | 118 | 2.25 | 34.7 | 768 | 2518 | 3792 | 55000 | 89.0 | 1.102 |
| Bofors RP4 ~approximation | 110 | 1.97 | 30.4 | 767 | 2518 | 3792 | 55000 | 92.1 | 1.104 |
| Norma 204 | 106 | 1.97 | 30.4 | 767 | 2518 | 3792 | 55000 | 92.1 | 1.104 |
| Raufoss RA4 | 110 | 1.97 | 30.4 | 767 | 2518 | 3792 | 55000 | 92.1 | 1.104 |
| Hodgdon H4895 | 94 | 1.68 | 25.9 | 767 | 2517 | 3792 | 55000 | 99.3 | 1.122 |
| PB Clermont PCL 517 | 118 | 2.25 | 34.7 | 767 | 2517 | 3792 | 55000 | 88.8 | 1.102 |
| Bofors RP4 NT ~approximation | 108 | 1.96 | 30.2 | 767 | 2517 | 3792 | 55000 | 94.5 | 1.113 |
| Alliant Reloder-50 | 134 | 2.59 | 39.9 | 767 | 2516 | 3792 | 55000 | 80.7 | 1.108 |
| Accurate 4064 | 100 | 1.75 | 27.0 | 767 | 2516 | 3792 | 55000 | 100.0 | 1.151 |
| Somchem S355 | 102 | 1.78 | 27.5 | 767 | 2516 | 3792 | 55000 | 99.2 | 1.127 |
| IMR 4320 | 99 | 1.75 | 27.0 | 767 | 2516 | 3792 | 55000 | 98.8 | 1.105 |
| Ramshot Wild Boar | 92 | 1.77 | 27.3 | 767 | 2516 | 3792 | 55000 | 98.9 | 1.117 |
| Hodgdon H380 | 99 | 1.81 | 27.9 | 767 | 2515 | 3792 | 55000 | 97.4 | 1.125 |
| Hodgdon H870 | 133 | 2.45 | 37.8 | 766 | 2513 | 3792 | 55000 | 83.9 | 1.107 |
| Accurate 2520 | 93 | 1.75 | 27.0 | 766 | 2513 | 3792 | 55000 | 100.0 | 1.133 |
| Lovex D073.6 | 95 | 1.75 | 27.0 | 766 | 2513 | 3792 | 55000 | 100.0 | 1.133 |
| ADI AR 2206H | 94 | 1.68 | 26.0 | 766 | 2512 | 3792 | 55000 | 98.9 | 1.123 |
| Ramshot Magnum | 115 | 2.24 | 34.6 | 765 | 2509 | 3792 | 55000 | 91.8 | 1.103 |
| SNPE Vectan SP 9 | 95 | 1.75 | 27.1 | 764 | 2507 | 3792 | 55000 | 98.9 | 1.118 |
| PB Clermont PCL 516 | 95 | 1.81 | 28.0 | 764 | 2505 | 3792 | 55000 | 97.3 | 1.118 |
| Lovex S070 | 107 | 1.89 | 29.1 | 763 | 2504 | 3792 | 55000 | 95.2 | 1.127 |
| PB Clermont PCL 507 | 91 | 1.71 | 26.3 | 763 | 2503 | 3792 | 55000 | 99.6 | 1.120 |
| Alliant Reloder-33 | 127 | 2.46 | 37.9 | 762 | 2502 | 3792 | 55000 | 81.3 | 1.109 |
| Accurate 2495 | 94 | 1.65 | 25.4 | 762 | 2501 | 3792 | 55000 | 100.0 | 1.157 |
| Elcho TR140 - preliminary data | 98 | 1.82 | 28.0 | 762 | 2500 | 3792 | 55000 | 97.5 | 1.122 |
| Lovex S062 | 98 | 1.71 | 26.5 | 761 | 2497 | 3792 | 55000 | 99.6 | 1.131 |
| Vihtavuori N165 | 119 | 2.10 | 32.4 | 761 | 2497 | 3792 | 55000 | 93.1 | 1.109 |
| IMR 4350 | 107 | 1.91 | 29.4 | 760 | 2495 | 3792 | 55000 | 94.1 | 1.112 |
| Hodgdon H4350 | 109 | 1.91 | 29.5 | 760 | 2495 | 3792 | 55000 | 94.0 | 1.112 |
| Vihtavuori N530 | 90 | 1.63 | 25.1 | 760 | 2494 | 3792 | 55000 | 99.6 | 1.121 |
| Somchem S341 | 93 | 1.80 | 27.7 | 760 | 2493 | 3792 | 55000 | 98.8 | 1.119 |
| Vihtavuori N540 | 97 | 1.76 | 27.1 | 760 | 2492 | 3792 | 55000 | 100.0 | 1.125 |
| Norma 202 | 95 | 1.67 | 25.7 | 759 | 2491 | 3792 | 55000 | 100.0 | 1.127 |
| Hodgdon VARGET | 100 | 1.73 | 26.6 | 759 | 2491 | 3792 | 55000 | 98.3 | 1.115 |
| ADI AR 2208 | 99 | 1.73 | 26.6 | 759 | 2491 | 3792 | 55000 | 98.3 | 1.115 |
| Alliant AR-Comp | 93 | 1.60 | 24.7 | 759 | 2489 | 3792 | 55000 | 100.0 | 1.122 |
| Bofors RP11 TZ ~approximation | 92 | 1.60 | 24.7 | 759 | 2489 | 3792 | 55000 | 100.0 | 1.122 |
| Hodgdon H4831 SC | 113 | 2.04 | 31.5 | 758 | 2488 | 3792 | 55000 | 88.9 | 1.107 |
| Hodgdon H4831 | 117 | 2.04 | 31.5 | 758 | 2488 | 3792 | 55000 | 88.9 | 1.107 |
| Lovex S065 | 105 | 1.84 | 28.4 | 758 | 2488 | 3792 | 55000 | 96.5 | 1.129 |
| Winchester Supreme 780 | 110 | 2.08 | 32.1 | 758 | 2488 | 3792 | 55000 | 91.8 | 1.108 |
| SNPE Vectan SP 7 | 93 | 1.79 | 27.6 | 758 | 2487 | 3792 | 55000 | 97.2 | 1.130 |
| ReloadSwiss RS 50 | 98 | 1.83 | 28.3 | 758 | 2487 | 3792 | 55000 | 95.7 | 1.124 |
| Bofors RP7 NT ~approximation | 100 | 1.81 | 27.9 | 758 | 2486 | 3792 | 55000 | 95.2 | 1.105 |
| IMR 4064 | 100 | 1.70 | 26.2 | 758 | 2486 | 3792 | 55000 | 98.5 | 1.119 |
| Vihtavuori N150 | 107 | 1.81 | 27.9 | 758 | 2486 | 3792 | 55000 | 99.8 | 1.124 |
| IMR 8208 XBR | 92 | 1.65 | 25.5 | 758 | 2486 | 3792 | 55000 | 99.6 | 1.121 |
| Norma 201 | 95 | 1.67 | 25.7 | 758 | 2485 | 3792 | 55000 | 99.6 | 1.136 |

continued

**Table with predicted charges of different powders for a nominal pressure of about 379 MPa or 55000 psi**

CAUTION! - D A N G E R ! : Table may exceed limits of recommended loads ! Pressures exceeding SAAMI or CIP specs are underlined!
Be aware that the powders listed may be totally unsuitable for the given cartridge !
In reality the order of loads may vary due to lot-to-lot variations of propellants and other components.

| Propellant type | L.R./Filling | Charge Weight | | Muzzle Vel. | | Max. Pressure | | Prop.Burnt | B_Time |
|---|---|---|---|---|---|---|---|---|---|
| | % | Gramm | Grains | m/s | fps | bar | psi | % | ms |
| Hodgdon H322 | 90 | 1.57 | 24.2 | 757 | 2485 | 3792 | 55000 | 100.0 | 1.118 |
| Bofors 12,7mmRA NC1214 Lot20115087 | 134 | 2.54 | 39.1 | 757 | 2484 | 3792 | 55000 | 73.5 | 1.117 |
| Rottweil R904 | 110 | 1.95 | 30.1 | 757 | 2484 | 3792 | 55000 | 90.7 | 1.111 |
| Ramshot TAC | 92 | 1.77 | 27.4 | 756 | 2482 | 3792 | 55000 | 96.7 | 1.123 |
| Bofors RP5 NT ~approximation | 118 | 2.15 | 33.1 | 756 | 2480 | 3792 | 55000 | 86.0 | 1.109 |
| Bofors RP3 NT ~approximation | 102 | 1.82 | 28.0 | 756 | 2479 | 3792 | 55000 | 96.4 | 1.113 |
| Rottweil R902 | 97 | 1.68 | 25.9 | 755 | 2478 | 3792 | 55000 | 99.6 | 1.138 |
| ReloadSwiss RS 80 | 127 | 2.47 | 38.2 | 755 | 2476 | 3792 | 55000 | 81.1 | 1.113 |
| IMR 4451 Enduron | 102 | 1.80 | 27.8 | 755 | 2476 | 3792 | 55000 | 94.7 | 1.117 |
| ADI AP 2214 | 118 | 2.19 | 33.8 | 754 | 2474 | 3792 | 55000 | 87.9 | 1.108 |
| Vihtavuori N135 | 104 | 1.68 | 25.9 | 754 | 2473 | 3792 | 55000 | 100.0 | 1.131 |
| Rottweil R907 | 103 | 1.82 | 28.0 | 754 | 2473 | 3792 | 55000 | 94.1 | 1.128 |
| Bofors RP7 | 103 | 1.82 | 28.0 | 754 | 2473 | 3792 | 55000 | 94.1 | 1.128 |
| IMR 4007 SSC | 100 | 1.82 | 28.0 | 754 | 2472 | 3792 | 55000 | 94.1 | 1.128 |
| Hodgdon H1000 | 124 | 2.19 | 33.8 | 753 | 2471 | 3792 | 55000 | 87.8 | 1.109 |
| ADI AR 2217 | 124 | 2.19 | 33.8 | 753 | 2471 | 3792 | 55000 | 87.8 | 1.109 |
| IMR 4955 Enduron | 114 | 1.98 | 30.6 | 753 | 2470 | 3792 | 55000 | 89.8 | 1.113 |
| Vihtavuori N140 | 97 | 1.70 | 26.2 | 753 | 2469 | 3792 | 55000 | 100.0 | 1.125 |
| Rottweil R901 | 93 | 1.58 | 24.4 | 752 | 2467 | 3792 | 55000 | 100.0 | 1.148 |
| Vihtavuori N160 | 118 | 2.02 | 31.2 | 752 | 2466 | 3792 | 55000 | 90.4 | 1.113 |
| Bofors RP2 NT ~approximation | 94 | 1.66 | 25.6 | 750 | 2460 | 3792 | 55000 | 99.2 | 1.121 |
| Vihtavuori N170 | 129 | 2.28 | 35.2 | 749 | 2459 | 3792 | 55000 | 82.2 | 1.118 |
| Alliant Reloder-12 | 90 | 1.65 | 25.4 | 749 | 2457 | 3792 | 55000 | 100.0 | 1.124 |
| IMR 4166 Enduron | 101 | 1.72 | 26.6 | 747 | 2452 | 3792 | 55000 | 94.9 | 1.123 |
| Somchem S361 | 109 | 2.08 | 32.1 | 747 | 2450 | 3792 | 55000 | 89.4 | 1.123 |
| Lovex S060 | 94 | 1.64 | 25.3 | 747 | 2450 | 3792 | 55000 | 98.9 | 1.123 |
| Hodgdon Benchmark | 91 | 1.61 | 24.8 | 746 | 2449 | 3792 | 55000 | 99.8 | 1.126 |
| ADI AR 2206 | 93 | 1.65 | 25.5 | 744 | 2441 | 3792 | 55000 | 99.2 | 1.124 |
| Accurate 2015 | 90 | 1.55 | 23.9 | 743 | 2437 | 3792 | 55000 | 100.0 | 1.144 |
| Somchem S335 | 94 | 1.65 | 25.5 | 741 | 2430 | 3792 | 55000 | 100.0 | 1.140 |
| SNPE Vectan SP 13 | 136 | 2.48 | 38.3 | 740 | 2428 | 3792 | 55000 | 80.0 | 1.119 |
| Accurate 2700 | 100 | 1.87 | 28.8 | 739 | 2425 | 3792 | 55000 | 93.7 | 1.134 |
| PB Clermont PCL 513/520/9520 | 137 | 2.51 | 38.7 | 732 | 2402 | 3792 | 55000 | 77.6 | 1.124 |
| ADI AR 2218 | 126 | 2.41 | 37.1 | 731 | 2398 | 3792 | 55000 | 75.0 | 1.126 |
| Hodgdon 50BMG | 132 | 2.40 | 37.0 | 725 | 2380 | 3792 | 55000 | 69.0 | 1.127 |
| Vihtavuori 24N41 | 125 | 2.38 | 36.7 | 724 | 2375 | 3792 | 55000 | 72.7 | 1.128 |
| Hodgdon US 869 | 131 | 2.51 | 38.7 | 724 | 2374 | 3792 | 55000 | 72.8 | 1.130 |
| Lovex D100 | 123 | 2.36 | 36.5 | 721 | 2366 | 3792 | 55000 | 75.6 | 1.129 |
| Vihtavuori 20N29 | 135 | 2.59 | 40.0 | 721 | 2365 | 3792 | 55000 | 74.4 | 1.133 |
| IMR 7977 Enduron | 117 | 2.08 | 32.1 | 719 | 2360 | 3792 | 55000 | 79.3 | 1.130 |
| Accurate 8700 | 134 | 2.50 | 38.5 | 716 | 2351 | 3792 | 55000 | 76.7 | 1.134 |
| Somchem 12.7-0 | 130 | 2.41 | 37.2 | 704 | 2309 | 3792 | 55000 | 68.1 | 1.141 |
| TLP A 502(RH) ,test only | 142 | 2.48 | 38.3 | 684 | 2244 | 3792 | 55000 | 59.6 | 1.156 |
| NC A3502 ,test only | 139 | 2.43 | 37.6 | 668 | 2193 | 3792 | 55000 | 53.1 | 1.166 |
| V1734 7-multiperf ,test only | 153 | 2.69 | 41.5 | 553 | 1814 | 3792 | 55000 | 30.6 | 1.283 |
| Norma MRP | ? | cannot find match, try to lower shot start pressure | | | | | | | |