

## WARNINGS

This guide is intended to be used as a reference. Each individual handloader must determine what is the best and safest load for their equipment. The loads described in this guide were generated at the ballistics test facilities of Western Powders, Inc. in accordance with SAAMI (Shooting Arms and Ammunition Institute) guidelines. All loads are fired through test barrels and individual results fired through different firearms may vary. The handloader is cautioned to read and follow safe reloading practices such as those outlined in the NRA Guide to Reloading before attempting to reload any cartridge.

## DISCLAIMER

Western Powders, Inc. has developed this guide to provide the handloader with current data for reloading Accurate powders. This guide is not intended to be a reloading textbook, but rather a list of recommended loads for Accurate powders. As Western Powders, Inc. has no control over the actual reloading procedures and methods being used, or the condition or choice of firearms and components used, no responsibility for the use of this data is implied or assumed. The buyer/user assumes full responsibility, risk, and liabilities for all injuries (including death), damages, and/or losses to persons or properties resulting from the use / misuse of this product. The ballistics data contained in this guide was obtained at Western Powders' ballistics facilities under strictly controlled conditions and is applicable **ONLY** for Accurate powders. It is important to remember that equipment variations, different reloading techniques, as well as component variations will most likely yield slightly different ballistics data. With this in mind, it is imperative that you do not exceed the maximum charge recommendations in this guide and that you always start loading with the minimum powder charges in the loads illustrated.

## POWDER WARNINGS

Smokeless powder is intended to function by burning. Therefore, it must be protected from exposure to flame, sparks, high temperatures and the sun's rays. When ignited, smokeless powder will normally continue to burn (and generate gas pressure) until the powder is entirely consumed. With this in mind:

1. **NEVER MIX OR SUBSTITUTE powders with other powders;**
2. Avoid open flames, combustible agents, and any spark-producing tools when handling powders;
3. Store powder in its original container in a cool / dry place;
4. Do not keep or use old or salvaged powders;
5. Check powder for deterioration on a regular basis. Deteriorated powder is detected by its noxious odor (not to be confused with solvents such as alcohol or ether).
6. Pour out only the amount of powder necessary for the application being conducted;
7. If you accidentally spill powder, use a broom and dust pan to clean it up. **DO NOT VACUUM** the spilled powder;
8. Do not stockpile powder - store and utilize the amount of powder necessary for your current reloading needs;
9. Be certain that the powder container is empty prior to discarding.

## COMPONENT WARNINGS

Primers

1. **NEVER MIX PRIMER BRANDS** from different manufacturers;
2. Store primers in their original packaging(s) in a cool, dry place. Exposure to heat causes primer deterioration;
3. Do not stockpile primers or store in bulk. Storing primers in this manner can lead to mass detonation if a primer ignites;
4. Do not de-cap live or new primers - fire them in the appropriate gun and then de-cap;
5. For best results, use the mildest primer consistent with good ignition;
6. Do not force primers. If there is resistance in seating or feeding primers, stop and investigate the cause of the problem;
7. Clean your hands before and after handling primers - oil contamination can affect the ignitability of the primer.

## QUALITY CONTROL

Reloading provides an individual with a cost effective means of obtaining ammunition, while at the same time allowing for custom load assemblage. You, the individual handloader, are responsible for producing the ammunition that you will later shoot. The caution and diligence you put into your reloading process can be ultimately rewarding or disastrous depending upon the quality of your work.

1. Common sense and care must be practiced during all phases;
2. Follow load recommendations exactly. **DO NOT SUBSTITUTE** components for those listed.
3. **ALWAYS START LOADING WITH THE MINIMUM POWDER CHARGE SHOWN;**
3. Designate a work area to used only for reloading and keep that area clean and orderly;
4. Label components and reloads for quick and easy identification;
5. Develop a reloading routine and follow it;
6. Understand what you are doing and why it must be done in a specific manner; Never reload when you are tired or distracted;
8. Wear safety glasses when reloading;
9. **DO NOT** smoke, eat, or drink in your reloading area or while you are reloading;
10. Keep your powder, reloading equipment and firearms secure from children;
11. Obey all laws and regulations regarding purchasing, quantity, and storage of powder(s).

## NOTE:

**THIS DATA SUPERSEDES  
ALL PREVIOUS ACCURATE  
LOAD DATA.**

*Always use the latest load data*

For loads not listed in this guide and the latest updates,  
visit our website at:

**[www.accuratepowder.com](http://www.accuratepowder.com)**



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## COMPANY ABBREVIATIONS

|     |                  |     |                      |     |            |
|-----|------------------|-----|----------------------|-----|------------|
| BAR | Barnes           | LC  | Laser Cast           | REM | Remington  |
| BRY | Berry's          | LYM | Lyman                | RSH | Rushmore   |
| BRG | Berger           | MTG | Montana Gold         | SIE | Sierra     |
| CB  | Claybuster       | MCB | Montana Cast Bullets | SWF | Swift      |
| CP  | Cast Performance | NOS | Nosler               | TS  | True Shot  |
| FED | Federal          | OT  | Oregon Trail         | WIN | Winchester |
| HDY | Hornady          | RAN | Rainier              | WDL | Woodleigh  |

## PRIMER ABBREVIATIONS

|     |                     |     |                     |     |                    |
|-----|---------------------|-----|---------------------|-----|--------------------|
| SP  | Small Pistol        | LPM | Large Pistol Magnum | LR  | Large Rifle        |
| SPM | Small Pistol Magnum | SR  | Small Rifle         | LRM | Large Rifle Magnum |
| LP  | Large Pistol        | SRM | Small Rifle Magnum  |     |                    |

## BULLET ABBREVIATIONS

|       |                        |       |                            |        |                                |
|-------|------------------------|-------|----------------------------|--------|--------------------------------|
| AF    | A-Frame                | HSP   | Hollow Soft Point          | SSP    | Solid Spitzer                  |
| BB    | Broad Base             | Intlk | Interlock                  | SST    | Super Shock Tipped             |
| BK    | Blitz King             | JHC   | Jacketed Hollow Cavity     | SWC    | Semi Wadcutter                 |
| BS    | Ballistic Silver Tip   | JHP   | Jacketed Hollow Point      | SX     | Super Explosive                |
| B-TIP | Ballistic Tip          | JRN   | Jacketed Round Nose        | TC     | Truncated Cone                 |
| CT    | Combined Technologies  | JSP   | Jacketed Soft Point        | TCBB   | Truncated Cone Beveled Base    |
| DEWC  | Double End Wadcutter   | JSWC  | Jacketed Semi Wadcutter    | VAR    | Varminator                     |
| FB    | Flat Based             | LFNPB | Long Flat Nose Plain Base  | VG     | Varmint Grenade                |
| FMC   | Full Metal Case        | (L)   | Lead                       | WBFPGC | Wide Base Flat Point Gas Check |
| FMJ   | Full Metal Jacket      | (M)   | Moly Coated                | WCDBB  | Wadcutter Double Base Beveled  |
| FN    | Flat Nose              | MK    | Match King                 | WFNGC  | Wide Flat Nose Gas Check       |
| FP    | Flat Point             | PART  | Partition                  | WFNPB  | Wide Flat Nose Plain Base      |
| FPJ   | Full Profile Jacket    | PRO-H | Pro-Hunter                 | WLNGC  | Wide Long Nose Gas Check       |
| FS    | Fail Safe              | RN    | Round Nose                 | WNGC   | Wide Nose Gas Check            |
| GC    | Gas Check              | RNFP  | Round Nose Flat Point      | WPFB   | Wide Point Flat Base           |
| GK    | Game King              | RNSWC | Round Nose Semi Wadcutter  | X      | X Bullet                       |
| HB    | Hollow Base            | RS    | Round Shoulder             | XBT    | X Boat Tail                    |
| HC    | Hollow Core            | SMP   | Semi Point                 | XFB    | X Flat Base                    |
| Horn  | Hornet                 | SPSX  | Soft Point Super Explosive | XPB    | X Pistol Bullet                |
| HP    | Hollow Point           | SBT   | Spitzer Boat Tail          | XTP    | Extreme Terminal Performance   |
| HPBT  | Hollow Point Boat Tail | SPT   | Spitzer                    |        |                                |

*Western Powders would like to thank the following companies for their continued support in our efforts to provide this information:*

- Barnes Bullets, Inc.
- Hornady
- Remington
- Berger Bullets
- Montana Cast Bullets
- Sierra Bullets
- Berry's Manufacturing
- Montana Gold
- Swift Bullets
- Cast Performance Bullet Company
- Nosler
- Winchester
- Claybuster Wads
- Oregon Trail Bullet Company
- Woodleigh Bullets
- Federal Cartridge
- Rainier Bullets

## SPECIAL NOTE ON CARTRIDGE OVERALL LENGTH "COL"

It is important to note that the SAAMI "COL" values are for the firearms and ammunition manufacturers industry and must be seen as a guideline only.

The individual reloader is free to adjust this dimension to suit their particular firearm-component-weapon combination. This parameter is determined by various dimensions such as 1) magazine length (space), 2) freebore-lead dimensions of the barrel, 3) ogive or profile of the projectile and 4) position of cannellure or crimp groove.

- Always begin loading at the minimum "Start Load".
- Watch for signs of excessive pressure.
- Increase in 2% increments towards the Maximum Load.
- Never exceed the Maximum Load.

**HANDGUN**

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|                  | Bullet Weight (Grains) | Bullet Make | Bullet Type | Start Load (Grains)   | Start Velocity (fps) | Max Load (Grains) | Max Load Velocity (fps) | Max Load Pressure (psi) | COL (inch) |
|------------------|------------------------|-------------|-------------|---|----------------------|-------------------|-------------------------|-------------------------|------------|
| <b>5.7x28 FN</b> |                        |             |             | Barrel: 5", Twist: 1-9" Primer: WIN WSR or WSP Bullet Dia.: .224" |                      |                   |                         |                         |            |
| No.5             | 35                     | HDY         | V-MAX FB    | 6.0   | 1,955                | 6.7               | 2,100                   | 45,500                  | 1.491      |
| No.5             | 40                     | SIE         | SP - Horn   | 5.8   | 1,850                | 6.5               | 1,975                   | 45,200                  | 1.456      |
| No.5             | 45                     | SIE         | SP - Horn   | 5.7   | 1,740                | 6.4               | 1,875                   | 45,400                  | 1.490      |
| No.7             | 35                     | HDY         | V-MAX FB    | 7.4   | 2,041                | 8.2               | 2,197                   | 45,200                  | 1.491      |
| No.7             | 40                     | SIE         | SP - Horn   | 7.0   | 1,896                | 7.7               | 2,044                   | 45,100                  | 1.456      |
| No.7             | 45                     | SIE         | SP - Horn   | 6.7   | 1,782                | 7.4               | 1,913                   | 45,400                  | 1.490      |

**Special Note on the 5.7 x 28 FN**

- 1) This is an extremely sensitive caliber. Please adhere closely to indicated loads and COL guidelines.
- 2) Always begin loading at the MINIMUM start load and increase only in increments of **0.1** grains.
- 3) We strongly recommend using **ONLY FLATBASE BULLETS**, especially in the handgun.
- 4) When Small Pistol primers are used, a slightly lower performance can be expected.
- 5) Add 18% to the above published velocities for the 10" barrel of the FN P90 PDW weapon.

**.32 Auto (ACP)**

|                       | Bullet Weight (Grains) | Bullet Make | Bullet Type | Start Load (Grains)   | Start Velocity (fps) | Max Load (Grains) | Max Load Velocity (fps) | Max Load Pressure (psi) | COL (inch) |
|-----------------------|------------------------|-------------|-------------|---|----------------------|-------------------|-------------------------|-------------------------|------------|
| <b>.32 Auto (ACP)</b> |                        |             |             | Barrel: 4", Twist: 1-16" Primer: WIN WSP Bullet Dia.: .312" |                      |                   |                         |                         |            |
| No.2                  | 71                     | SIE         | FMJ         | 2.0   | 572                  | 2.2               | 650                     | 19,300                  | 0.955      |
| No.2                  | 85                     | HDY         | XTP         | 1.6   | 612                  | 1.8               | 695                     | 18,800                  | 0.940      |
| No.5                  | 71                     | SIE         | FMJ         | 2.9   | 619                  | 3.2               | 703                     | 19,700                  | 0.955      |
| No.5                  | 85                     | HDY         | XTP         | 2.2   | 615                  | 2.4               | 699                     | 19,100                  | 0.940      |

**.380 Auto (ACP)**

|                        | Bullet Weight (Grains) | Bullet Make | Bullet Type | Start Load (Grains)  | Start Velocity (fps) | Max Load (Grains) | Max Load Velocity (fps) | Max Load Pressure (psi) | COL (inch) |
|------------------------|------------------------|-------------|-------------|--|----------------------|-------------------|-------------------------|-------------------------|------------|
| <b>.380 Auto (ACP)</b> |                        |             |             | Barrel: 3.75", Twist: 1-16" Primer: WIN WSP Bullet Dia.: .355" |                      |                   |                         |                         |            |
| No.2                   | 90                     | HDY         | XTP         | 3.3  | 818                  | 3.7               | 930                     | 17,000                  | 0.960      |
| No.2                   | 95                     | SIE         | FMJ         | 3.3  | 822                  | 3.7               | 934                     | 14,600                  | 0.945      |
| No.5                   | 90                     | HDY         | XTP         | 4.3  | 810                  | 4.8               | 920                     | 16,700                  | 0.960      |
| No.5                   | 95                     | SIE         | FMJ         | 4.3  | 784                  | 4.8               | 891                     | 14,000                  | 0.945      |

**9mm Luger**

|                  | Bullet Weight (Grains) | Bullet Make | Bullet Type | Start Load (Grains)   | Start Velocity (fps) | Max Load (Grains) | Max Load Velocity (fps) | Max Load Pressure (psi) | COL (inch) |
|------------------|------------------------|-------------|-------------|---|----------------------|-------------------|-------------------------|-------------------------|------------|
| <b>9mm Luger</b> |                        |             |             | Barrel: 4", Twist: 1-10" Primer: WIN WSP Bullet Dia.: .357" |                      |                   |                         |                         |            |
| No.2             | 115                    | LC          | RN(L)       | 4.6   | 1,008                | 5.2               | 1,146                   | 32,900                  | 1.100      |
| No.2             | 124                    | LC          | RN(L)       | 4.0   | 895                  | 4.6               | 1,017                   | 31,100                  | 1.095      |
| No.2             | 145                    | MCB         | SWCBB(L)    | 3.9   | 845                  | 4.3               | 956                     | 31,000                  | 1.140      |
| No.2             | 115                    | NOS         | JHP         | 4.7   | 1,038                | 5.2               | 1,145                   | 29,900                  | 1.095      |
| No.2             | 125                    | SIE         | FMJ         | 4.2   | 930                  | 4.7               | 1,057                   | 29,500                  | 1.095      |
| No.2             | 147                    | HDY         | XTP         | 3.6   | 781                  | 4.0               | 888                     | 29,200                  | 1.095      |
| No.5             | 115                    | LC          | RN(L)       | 5.7   | 1,040                | 6.3               | 1,182                   | 33,000                  | 1.100      |
| No.5             | 124                    | LC          | RN(L)       | 5.4   | 1,018                | 6.0               | 1,157                   | 33,000                  | 1.095      |
| No.5             | 145                    | LC          | RN(L)       | 4.6   | 866                  | 5.1               | 984                     | 26,800                  | 1.140      |
| No.5             | 115                    | SIE         | JHP         | 6.3   | 1,049                | 7.0               | 1,192                   | 31,400                  | 1.095      |
| No.5             | 125                    | SIE         | JHP         | 5.8   | 1,069                | 6.4               | 1,200                   | 33,000                  | 1.095      |
| No.5             | 147                    | HDY         | XTP         | 4.8   | 872                  | 5.3               | 991                     | 30,900                  | 1.095      |
| No.7             | 115                    | LC          | RN(L)       | 7.8   | 1,078                | 8.7               | 1,225                   | 33,000                  | 1.100      |
| No.7             | 124                    | LC          | RN(L)       | 7.4   | 1,030                | 8.2               | 1,170                   | 33,000                  | 1.095      |
| No.7             | 145                    | MCB         | RNBB(L)     | 6.5   | 926                  | 7.2               | 1,052                   | 29,500                  | 1.140      |
| No.7             | 115                    | NOS         | FMJ         | 7.9   | 1,052                | 8.8               | 1,196                   | 29,700                  | 1.095      |
| No.7             | 124                    | HDY         | FMJ         | 7.2   | 1,026                | 8.0               | 1,166                   | 29,800                  | 1.095      |
| No.7             | 147                    | HDY         | XTP         | 6.5   | 921                  | 7.2               | 1,047                   | 31,900                  | 1.095      |

**CAUTION!**

*Reducing the seating depth may dramatically increase pressure in some handgun cartridges. Always use caution when changing seating.*

**.357 SIG**

|                 | Bullet Weight (Grains) | Bullet Make | Bullet Type | Start Load (Grains)   | Start Velocity (fps) | Max Load (Grains) | Max Load Velocity (fps) | Max Load Pressure (psi) | COL (inch) |
|-----------------|------------------------|-------------|-------------|---|----------------------|-------------------|-------------------------|-------------------------|------------|
| <b>.357 SIG</b> |                        |             |             | Barrel: 4", Twist: 1-16" Primer: WIN WSP Bullet Dia.: .355" |                      |                   |                         |                         |            |
| No.2            | 115                    | LC          | RN(L)       | 5.6   | 1,099                | 6.2               | 1,249                   | 38,200                  | 1.140      |
| No.2            | 122                    | MCB         | FN(L)       | 5.2   | 1,070                | 5.8               | 1,217                   | 38,100                  | 1.140      |
| No.2            | 147                    | MCB         | RNBB(L)     | 4.2   | 923                  | 4.7               | 1,049                   | 36,800                  | 1.140      |
| No.2            | 115                    | NOS         | JHP         | 5.7   | 1,122                | 6.4               | 1,276                   | 38,600                  | 1.140      |
| No.2            | 125                    | SIE         | FMJ         | 5.4   | 1,066                | 6.0               | 1,212                   | 38,900                  | 1.140      |
| No.2            | 147                    | HDY         | XTP         | 4.7   | 933                  | 5.3               | 1,061                   | 39,800                  | 1.140      |
| No.5            | 115                    | LC          | RN(L)       | 8.1   | 1,160                | 9.0               | 1,319                   | 38,500                  | 1.140      |
| No.5            | 122                    | LC          | FP(L)       | 7.9   | 1,144                | 8.8               | 1,300                   | 37,100                  | 1.140      |
| No.5            | 147                    | LC          | FP(L)       | 6.7   | 1,029                | 7.5               | 1,170                   | 36,900                  | 1.140      |
| No.5            | 115                    | NOS         | JHP         | 8.4   | 1,191                | 9.4               | 1,354                   | 37,900                  | 1.140      |
| No.5            | 125                    | SIE         | FMJ         | 8.3   | 1,166                | 9.2               | 1,325                   | 39,600                  | 1.140      |
| No.5            | 147                    | HDY         | XTP         | 7.1   | 1,019                | 7.9               | 1,159                   | 38,400                  | 1.140      |
| No.7            | 115                    | LC          | RN(L)       | 9.9   | 1,182                | 11.0              | 1,344                   | 37,800                  | 1.140      |
| No.7            | 124                    | LC          | RN(L)       | 9.6   | 1,162                | 10.7              | 1,321                   | 37,900                  | 1.140      |
| No.7            | 145                    | LC          | RN(L)       | 8.6   | 1,071                | 9.6               | 1,218                   | 40,000                  | 1.140      |
| No.7            | 115                    | SIE         | JHP         | 10.2  | 1,218                | 11.3              | 1,385                   | 39,100                  | 1.140      |
| No.7            | 124                    | HDY         | FMJFP       | 10.0  | 1,161                | 11.0              | 1,320                   | 37,100                  | 1.140      |
| No.7            | 147                    | HDY         | XTP         | 8.3   | 1,020                | 9.2               | 1,160                   | 38,600                  | 1.140      |
| No.9            | 115                    | LC          | RN(L)       | 12.1  | 1,258                | 13.5              | 1,430                   | 39,000                  | 1.140      |
| No.9            | 122                    | MCB         | RNBB(L)     | 11.7  | 1,217                | 13.0              | 1,383                   | 36,100                  | 1.140      |
| No.9            | 145                    | LC          | RN(L)       | 9.4   | 1,029                | 10.5              | 1,170                   | 33,000                  | 1.140      |
| No.9            | 115                    | NOS         | JHP         | 12.1  | 1,261                | 13.5              | 1,434                   | 36,900                  | 1.140      |
| No.9            | 125                    | SIE         | FMJ         | 11.7  | 1,220                | 13.0              | 1,387                   | 39,100                  | 1.140      |
| No.9            | 147                    | HDY         | XTP         | 9.4   | 1,018                | 10.5              | 1,158                   | 34,400                  | 1.140      |

**.38 Super**

|                  | Bullet Weight (Grains) | Bullet Make | Bullet Type | Start Load (Grains)   | Start Velocity (fps) | Max Load (Grains) | Max Load Velocity (fps) | Max Load Pressure (psi) | COL (inch) |
|------------------|------------------------|-------------|-------------|---|----------------------|-------------------|-------------------------|-------------------------|------------|
| <b>.38 Super</b> |                        |             |             | Barrel: 5", Twist: 1-16" Primer: WIN WSP Bullet Dia.: .357" |                      |                   |                         |                         |            |
| No.5             | 115                    | LC          | RN(L)       | 6.8   | 1,115                | 7.6               | 1,267                   | 32,600                  | 1.285      |
| No.5             | 124                    | LC          | RN(L)       | 6.3   | 1,043                | 7.0               | 1,185                   | 31,900                  | 1.220      |
| No.5             | 145                    | MCB         | RNBB(L)     | 6.1   | 1,028                | 6.8               | 1,168                   | 33,000                  | 1.250      |
| No.5             | 115                    | NOS         | JHP         | 7.5   | 1,162                | 8.3               | 1,321                   | 33,000                  | 1.240      |
| No.5             | 125                    | SIE         | FMJ         | 6.8   | 1,079                | 7.6               | 1,230                   | 33,000                  | 1.245      |
| No.5             | 130                    | RAN         | RN          | 6.3   | 1,011                | 7.0               | 1,149                   | 29,000                  | 1.280      |
| No.5             | 147                    | HDY         | XTP         | 6.1   | 970                  | 6.8               | 1,100                   | 33,000                  | 1.230      |
| No.7             | 115                    | LC          | RN(L)       | 8.8   | 1,162                | 9.8               | 1,320                   | 33,000                  | 1.285      |
| No.7             | 124                    | LC          | RN(L)       | 8.1   | 1,095                | 9.0               | 1,244                   | 32,000                  | 1.220      |
| No.7             | 145                    | LC          | RN(L)       | 7.7   | 1,025                | 8.5               | 1,165                   | 31,400                  | 1.250      |
| No.7             | 115                    | SIE         | FMJ         | 9.3   | 1,186                | 10.3              | 1,340                   | 33,000                  | 1.240      |
| No.7             | 124                    | SIE         | JHP         | 8.6   | 1,111                | 9.6               | 1,263                   | 31,700                  | 1.245      |
| No.7             | 130                    | BRY         | RN          | 8.4   | 1,087                | 9.4               | 1,236                   | 31,400                  | 1.280      |
| No.7             | 147                    | HDY         | XTP         | 7.8   | 1,008                | 8.7               | 1,146                   | 31,500                  | 1.230      |
| No.9             | 115                    | NOS         | JHP         | 11.7  | 1,228                | 13.0              | 1,395                   | 32,800                  | 1.240      |
| No.9             | 124                    | HDY         | FMJFP       | 11.3  | 1,184                | 12.5              | 1,346                   | 33,000                  | 1.245      |
| No.9             | 130                    | RAN         | RN          | 9.9   | 1,061                | 11.0              | 1,206                   | 27,100                  | 1.280      |
| No.9             | 147                    | HDY         | XTP         | 9.2   | 1,034                | 10.2              | 1,175                   | 29,400                  | 1.230      |

**.38 Special**

|                    | Bullet Weight (Grains) | Bullet Make | Bullet Type | Start Load (Grains)   | Start Velocity (fps) | Max Load (Grains) | Max Load Velocity (fps) | Max Load Pressure (psi) | COL (inch) |
|--------------------|------------------------|-------------|-------------|---|----------------------|-------------------|-------------------------|-------------------------|------------|
| <b>.38 Special</b> |                        |             |             | Barrel: 7.75", Twist: 1-18.75" Primer: WIN WSP Bullet Dia.: .357" |                      |                   |                         |                         |            |
| N100               | 148                    | LC          | WCDBB(L)    | 2.4   | 759                  | 2.7               | 863                     | 15,300                  | 1.252      |
| N100               | 158                    | LC          | SWC(L)      | 2.9   | 786                  | 3.3               | 894                     | 16,600                  | 1.481      |
| N100               | 110                    | HDY         | XTP         | 3.9   | 1,014                | 4.4               | 1,153                   | 15,900                  | 1.435      |
| N100               | 125                    | NOS         | JHP         | 3.7   | 907                  | 4.1               | 1,031                   | 14,800                  | 1.445      |
| N100               | 140                    | SIE         | JHP         | 3.5   | 821                  | 3.9               | 933                     | 16,900                  | 1.445      |
| N100               | 158                    | HDY         | XTP         | 2.9   | 691                  | 3.2               | 786                     | 14,400                  | 1.445      |
| No.2               | 148                    | LC          | WCDBB(L)    | 2.6   | 634                  | 2.9               | 720                     | 15,500                  | 1.152      |
| No.2               | 158                    | MCB         | SWCBB(L)    | 3.6   | 764                  | 4.0               | 868                     | 14,100                  | 1.481      |
| No.2               | 110                    | SIE         | JHC         | 5.0   | 953                  | 5.6               | 1,083                   | 16,800                  | 1.435      |
| No.2               | 125                    | HDY         | XTP         | 4.8   | 871                  | 5.3               | 990                     | 16,780                  | 1.445      |
| No.2               | 140                    | SIE         | JHP         | 4.2   | 781                  | 4.7               | 888                     | 16,700                  | 1.445      |
| No.2               | 150                    | NOS         | JHP         | 4.2   | 751                  | 4.7               | 853                     | 17,000                  | 1.450      |
| No.2               | 158                    | HDY         | XTP         | 3.6   | 665                  | 4.0               | 756                     | 16,500                  | 1.445      |
| No.5               | 148                    | LC          | WCDBB(L)    | 3.6   | 710                  | 4.0               | 807                     | 16,200                  | 1.152      |
| No.5               | 158                    | MCB         | SWCBB(L)    | 5.3   | 827                  | 5.9               | 940                     | 16,100                  | 1.481      |
| No.5               | 110                    | SIE         | JHC         | 6.6   | 959                  | 7.3               | 1,090                   | 16,600                  | 1.435      |
| No.5               | 125                    | HDY         | XTP         | 6.1   | 757                  | 6.8               | 860                     | 16,300                  | 1.445      |
| No.5               | 140                    | SIE         | JHP         | 5.8   | 757                  | 6.4               | 860                     | 16,700                  | 1.445      |
| No.5               | 150                    | NOS         | JHP         | 5.9   | 715                  | 6.5               | 813                     | 16,600                  | 1.450      |
| No.5               | 158                    | HDY         | XTP         | 5.2   | 740                  | 5.8               | 841                     | 16,500                  | 1.445      |
| No.5               | 158                    | RAN         | RN          | 5.1   | 829                  | 5.7               | 943                     | 16,900                  | 1.430      |



HANDGUN

HANDGUN

.357 Magnum

|   | Bullet Weight (Grains) | Bullet Make | Bullet Type | Start Load (Grains) | Start Velocity (fps) | Max Load (Grains) | Max Load Velocity (fps) | Max Load Pressure (psi) | COL (inch) |
|---|------------------------|-------------|-------------|---------------------|----------------------|-------------------|-------------------------|-------------------------|------------|
| Barrel: 6", Twist: 1-18.75" Primer: WIN WSPM Bullet Dia.: .357" |                        |             |             |                     |                      |                   |                         |                         |            |
| No.5  | 110                    | SIE         | JHC         | 10.8                | 1,457                | 12.0              | 1,656                   | <b>41,600</b>           | 1.575      |
| No.5  | 125                    | HDY         | XTP         | 10.4                | 1,369                | 11.5              | 1,555                   | <b>42,800</b>           | 1.575      |
| No.5  | 140                    | SIE         | JHP         | 9.9                 | 1,292                | 11.0              | 1,469                   | <b>43,200</b>           | 1.575      |
| No.7  | 147                    | MCB         | FPBB(L)     | 10.3                | 1,167                | 11.4              | 1,327                   | <b>44,000</b>           | 1.580      |
| No.7  | 158                    | LC          | SWC(L)      | 9.9                 | 1,119                | 11.0              | 1,272                   | <b>42,600</b>           | 1.580      |
| No.7  | 180                    | LC          | FP(L)       | 9.0                 | 1,009                | 10.0              | 1,147                   | <b>43,400</b>           | 1.675      |
| No.7  | 110                    | SIE         | JHC         | 12.6                | 1,465                | 14.0              | 1,665                   | <b>41,700</b>           | 1.575      |
| No.7  | 125                    | HDY         | XTP         | 11.9                | 1,374                | 13.2              | 1,562                   | <b>42,700</b>           | 1.575      |
| No.7  | 140                    | SIE         | JHP         | 11.0                | 1,267                | 12.2              | 1,440                   | <b>43,600</b>           | 1.575      |
| No.7  | 158                    | NOS         | JHP         | 10.3                | 1,286                | 11.4              | 1,462                   | <b>43,900</b>           | 1.580      |
| No.7  | 170                    | SIE         | FMJ         | 9.5                 | 1,086                | 10.5              | 1,233                   | <b>44,600</b>           | 1.565      |
| No.9  | 147                    | MCB         | FPBB(L)     | 12.9                | 1,238                | 14.3              | 1,406                   | <b>42,100</b>           | 1.580      |
| No.9  | 158                    | LC          | SWC(L)      | 12.2                | 1,187                | 13.5              | 1,349                   | <b>41,300</b>           | 1.580      |
| No.9  | 180                    | CP          | WFNGC(L)    | 11.3                | 1,084                | 12.6              | 1,231                   | <b>40,200</b>           | 1.675      |
| No.9  | 110                    | HDY         | XTP         | 16.6                | 1,589                | 18.4              | 1,803                   | <b>43,700</b>           | 1.575      |
| No.9  | 125                    | NOS         | JHP         | 15.3                | 1,482                | 17.0              | 1,685                   | <b>45,100</b>           | 1.575      |
| No.9  | 140                    | SIE         | JHP         | 13.9                | 1,346                | 15.4              | 1,529                   | <b>43,100</b>           | 1.575      |
| No.9  | 150                    | NOS         | SP          | 13.7                | 1,319                | 15.2              | 1,499                   | <b>43,000</b>           | 1.590      |
| No.9  | 158                    | HDY         | XTP         | 13.5                | 1,293                | 15.0              | 1,470                   | <b>44,900</b>           | 1.580      |
| No.9  | 170                    | SIE         | FMJ         | 12.2                | 1,174                | 13.5              | 1,334                   | <b>45,000</b>           | 1.565      |
| No.9  | 180                    | HDY         | XTP         | 11.7                | 1,139                | 13.0              | 1,293                   | <b>43,000</b>           | 1.575      |

**Bold Italicized = CUP Pressure**

.40 S&W

|   | Bullet Weight (Grains) | Bullet Make | Bullet Type | Start Load (Grains) | Start Velocity (fps) | Max Load (Grains) | Max Load Velocity (fps) | Max Load Pressure (psi) | COL (inch) |
|---|------------------------|-------------|-------------|---------------------|----------------------|-------------------|-------------------------|-------------------------|------------|
| Barrel: 4", Twist: 1-16" Primer: WIN WSP Bullet Dia.: .400" |                        |             |             |                     |                      |                   |                         |                         |            |
| No.2  | 140                    | LC          | TC(L)       | 5.9                 | 1,016                | 6.6               | 1,155                   | 33,400                  | 1.115      |
| No.2  | 155                    | LC          | RNSWC(L)    | 5.7                 | 982                  | 6.3               | 1,116                   | 34,100                  | 1.130      |
| No.2  | 175                    | MCB         | SWCBB(L)    | 4.8                 | 858                  | 5.3               | 975                     | 34,200                  | 1.115      |
| No.2  | 185                    | LC          | RNSWC(L)    | 4.6                 | 829                  | 5.1               | 942                     | 33,000                  | 1.120      |
| No.2  | 135                    | NOS         | JHP         | 6.8                 | 1,097                | 7.6               | 1,247                   | 34,700                  | 1.125      |
| No.2  | 150                    | SIE         | JHP         | 6.3                 | 1,016                | 7.0               | 1,155                   | 34,200                  | 1.120      |
| No.2  | 155                    | BRY         | RS          | 5.6                 | 968                  | 6.2               | 1,100                   | 35,000                  | 1.125      |
| No.2  | 165                    | SIE         | JHP         | 5.6                 | 916                  | 6.2               | 1,041                   | 35,000                  | 1.125      |
| No.2  | 180                    | HDY         | XTP         | 5.0                 | 851                  | 5.6               | 967                     | 35,000                  | 1.135      |
| No.2  | 180                    | RAN         | HP          | 4.3                 | 794                  | 4.8               | 903                     | 33,400                  | 1.125      |
| No.5  | 140                    | LC          | TC(L)       | 7.2                 | 1,038                | 8.0               | 1,179                   | 34,900                  | 1.115      |
| No.5  | 155                    | LC          | RNSWC(L)    | 6.8                 | 1,019                | 7.5               | 1,158                   | 35,000                  | 1.130      |
| No.5  | 170                    | LC          | SWC(L)      | 5.5                 | 868                  | 6.1               | 986                     | 35,000                  | 1.115      |
| No.5  | 185                    | LC          | TC(L)       | 5.4                 | 858                  | 6.0               | 975                     | 35,000                  | 1.120      |
| No.5  | 135                    | SIE         | JHP         | 8.4                 | 1,114                | 9.3               | 1,266                   | 34,900                  | 1.125      |
| No.5  | 150                    | NOS         | JHP         | 7.5                 | 1,030                | 8.3               | 1,170                   | 35,000                  | 1.120      |
| No.5  | 155                    | RAN         | FP          | 6.9                 | 963                  | 7.7               | 1,095                   | 32,100                  | 1.125      |
| No.5  | 165                    | SIE         | JHP         | 6.5                 | 911                  | 7.2               | 1,035                   | 34,000                  | 1.125      |
| No.5  | 180                    | HDY         | XTP         | 5.9                 | 849                  | 6.6               | 965                     | 32,500                  | 1.135      |
| No.5  | 180                    | BRY         | HP          | 5.8                 | 849                  | 6.5               | 965                     | 33,600                  | 1.125      |
| No.5  | 190                    | SIE         | FPJ         | 6.0                 | 828                  | 6.7               | 950                     | 35,000                  | 1.125      |
| No.7  | 140                    | LC          | TC(L)       | 9.0                 | 1,030                | 10.0              | 1,171                   | 33,700                  | 1.115      |
| No.7  | 155                    | MCB         | SWCBB(L)    | 8.7                 | 1,008                | 9.7               | 1,146                   | 34,600                  | 1.130      |
| No.7  | 175                    | MCB         | SWCBB(L)    | 7.6                 | 892                  | 8.4               | 1,014                   | 35,000                  | 1.115      |
| No.7  | 185                    | LC          | SWC(L)      | 7.4                 | 871                  | 8.2               | 990                     | 35,000                  | 1.120      |
| No.7  | 200                    | LC          | TC(L)       | 6.1                 | 777                  | 6.8               | 883                     | 34,800                  | 1.110      |
| No.7  | 135                    | NOS         | JHP         | 10.1                | 1,089                | 11.2              | 1,237                   | 33,900                  | 1.125      |
| No.7  | 150                    | NOS         | JHP         | 9.2                 | 1,000                | 10.2              | 1,136                   | 34,300                  | 1.120      |
| No.7  | 155                    | RAN         | FP          | 9.3                 | 998                  | 10.3              | 1,135                   | 34,300                  | 1.125      |
| No.7  | 165                    | SIE         | JHP         | 8.4                 | 923                  | 9.3               | 1,049                   | 34,400                  | 1.125      |
| No.7  | 180                    | HDY         | XTP         | 7.7                 | 861                  | 8.5               | 978                     | 34,600                  | 1.135      |
| No.7  | 190                    | SIE         | FPJ         | 7.7                 | 848                  | 8.6               | 964                     | 34,300                  | 1.125      |
| No.7  | 200                    | HDY         | XTP         | 6.7                 | 748                  | 7.4               | 850                     | 35,000                  | 1.130      |
| No.9  | 170                    | LC          | SWC(L)      | 9.2                 | 878                  | 10.2              | 998                     | 34,900                  | 1.115      |
| No.9  | 185                    | LC          | RNSWC(L)    | 8.7                 | 841                  | 9.7               | 956                     | 33,500                  | 1.120      |
| No.9  | 200                    | LC          | TC(L)       | 7.8                 | 774                  | 8.7               | 880                     | 35,000                  | 1.110      |
| No.9  | 180                    | HDY         | XTP         | 9.9                 | 897                  | 11.0              | 1,019                   | 35,000                  | 1.135      |
| No.9  | 190                    | SIE         | FPJ         | 9.9                 | 877                  | 11.0              | 997                     | 32,700                  | 1.125      |
| No.9  | 200                    | HDY         | XTP         | 8.3                 | 759                  | 9.2               | 863                     | 35,000                  | 1.130      |

10mm Auto

|   | Bullet Weight (Grains) | Bullet Make | Bullet Type | Start Load (Grains) | Start Velocity (fps) | Max Load (Grains) | Max Load Velocity (fps) | Max Load Pressure (psi) | COL (inch) |
|---|------------------------|-------------|-------------|---------------------|----------------------|-------------------|-------------------------|-------------------------|------------|
| Barrel: 5", Twist: 1-16" Primer: WIN WLP Bullet Dia.: .400" |                        |             |             |                     |                      |                   |                         |                         |            |
| No.5  | 140                    | LC          | TC(L)       | 8.7                 | 1,190                | 9.7               | 1,352                   | 33,400                  | 1.250      |
| No.5  | 170                    | LC          | SWC(L)      | 7.8                 | 1,085                | 8.7               | 1,233                   | 31,800                  | 1.250      |
| No.5  | 175                    | MCB         | SWCBB(L)    | 7.5                 | 1,026                | 8.3               | 1,166                   | 31,500                  | 1.245      |
| No.5  | 135                    | SIE         | JHP         | 10.3                | 1,323                | 11.4              | 1,503                   | 36,900                  | 1.250      |
| No.5  | 150                    | NOS         | JHP         | 9.5                 | 1,229                | 10.6              | 1,397                   | 36,900                  | 1.245      |
| No.5  | 155                    | HDY         | JHP         | 9.0                 | 1,174                | 10.0              | 1,334                   | 35,300                  | 1.250      |
| No.5  | 155                    | RAN         | FP          | 8.9                 | 1,151                | 9.9               | 1,309                   | 34,300                  | 1.260      |
| No.5  | 165                    | SIE         | HP          | 8.7                 | 1,122                | 9.7               | 1,275                   | 36,200                  | 1.250      |
| No.5  | 180                    | HDY         | XTP         | 7.8                 | 1,053                | 8.7               | 1,197                   | 36,800                  | 1.250      |
| No.7  | 140                    | LC          | TC(L)       | 10.8                | 1,203                | 12.0              | 1,367                   | 33,700                  | 1.250      |
| No.7  | 170                    | LC          | SWC(L)      | 9.9                 | 1,120                | 11.0              | 1,273                   | 35,500                  | 1.250      |
| No.7  | 175                    | MCB         | SWCBB(L)    | 9.4                 | 1,055                | 10.4              | 1,199                   | 35,200                  | 1.245      |
| No.7  | 185                    | LC          | RNSWC(L)    | 9.2                 | 1,032                | 10.2              | 1,173                   | 34,500                  | 1.245      |
| No.7  | 195                    | MCB         | TCBB(L)     | 8.6                 | 998                  | 9.5               | 1,134                   | 35,400                  | 1.245      |
| No.7  | 135                    | NOS         | JHP         | 12.2                | 1,299                | 13.6              | 1,476                   | 34,900                  | 1.250      |
| No.7  | 150                    | SIE         | JHP         | 11.7                | 1,236                | 13.0              | 1,405                   | 36,400                  | 1.245      |
| No.7  | 155                    | HDY         | JHP         | 11.4                | 1,214                | 12.7              | 1,379                   | 37,500                  | 1.250      |
| No.7  | 165                    | SIE         | JHP         | 10.8                | 1,148                | 12.0              | 1,305                   | 37,500                  | 1.250      |
| No.7  | 180                    | HDY         | XTP         | 9.6                 | 1,041                | 10.7              | 1,183                   | 35,300                  | 1.250      |
| No.7  | 180                    | RAN         | HP          | 9.9                 | 1,051                | 11.0              | 1,195                   | 36,200                  | 1.260      |
| No.7  | 190                    | SIE         | FPJ         | 10.1                | 1,054                | 11.2              | 1,198                   | 36,000                  | 1.250      |
| No.7  | 200                    | HDY         | XTP         | 8.8                 | 960                  | 9.8               | 1,091                   | 36,500                  | 1.250      |
| No.9  | 170                    | LC          | SWC(L)      | 12.2                | 1,131                | 13.6              | 1,285                   | 34,900                  | 1.245      |
| No.9  | 185                    | LC          | RNSWC(L)    | 11.7                | 1,098                | 13.0              | 1,248                   | 34,700                  | 1.245      |
| No.9  | 200                    | LC          | TC(L)       | 10.6                | 1,018                | 11.8              | 1,157                   | 36,200                  | 1.250      |
| No.9  | 155                    | HDY         | JHP         | 14.3                | 1,244                | 15.9              | 1,414                   | 32,700                  | 1.250      |
| No.9  | 165                    | SIE         | JHP         | 13.5                | 1,180                | 15.0              | 1,341                   | 34,100                  | 1.250      |
| No.9  | 180                    | HDY         | XTP         | 12.2                | 1,093                | 13.5              | 1,242                   | 34,100                  | 1.250      |
| No.9  | 180                    | RAN         | HP          | 12.1                | 1,086                | 13.5              | 1,235                   | 35,500                  | 1.260      |
| No.9  | 190                    | SIE         | FPJ         | 12.8                | 1,115                | 14.2              | 1,267                   | 35,800                  | 1.250      |
| No.9  | 200                    | HDY         | XTP         | 11.3                | 1,030                | 12.5              | 1,170                   | 37,000                  | 1.250      |

.41 Remington Magnum

|   | Bullet Weight (Grains) | Bullet Make | Bullet Type | Start Load (Grains) | Start Velocity (fps) | Max Load (Grains) | Max Load Velocity (fps) | Max Load Pressure (psi) | COL (inch) |
|---|------------------------|-------------|-------------|---------------------|----------------------|-------------------|-------------------------|-------------------------|------------|
| Barrel: 10", Twist: 1-18.75" Primer: FED 155 Bullet Dia.: .410" |                        |             |             |                     |                      |                   |                         |                         |            |
| No.5  | 200                    | MCB         | SWCBB(L)    | 11.3                | 1,264                | 12.5              | 1,436                   | 36,700                  | 1.675      |
| No.5  | 240                    | CP          | RN (L)      | 10.8                | 1,194                | 12.0              | 1,357                   | 39,900                  | 1.710      |
| No.5  | 170                    | SIE         | JHP         | 10.8                | 1,314                | 12.0              | 1,493                   | 37,900                  | 1.565      |
| No.5  | 210                    | HDY         | XTP         | 10.4                | 1,163                | 11.5              | 1,322                   | 39,200                  | 1.570      |
| No.5  | 220                    | RAN         | FP          | 10.3                | 1,188                | 11.5              | 1,350                   | 39,900                  | 1.590      |
| No.7  | 200                    | MCB         | SWCBB(L)    | 13.1                | 1,269                | 14.5              | 1,442                   | 36,900                  | 1.675      |
| No.7  | 240                    | CP          | RN (L)      | 12.6                | 1,197                | 14.0              | 1,360                   | 37,800                  | 1.710      |
| No.7  | 170                    | SIE         | JHP         | 14.0                | 1,368                | 15.5              | 1,555                   | 37,000                  | 1.565      |
| No.7  | 210                    | HDY         | XTP         | 12.8                | 1,214                | 14.2              | 1,379                   | 39,400                  | 1.570      |
| No.7  | 220                    | RAN         | FP          | 12.9                | 1,236                | 14.3              | 1,405                   | 38,300                  | 1.590      |
| No.9  | 200                    | MCB         | SWCBB(L)    | 16.2                | 1,392                | 18.0              | 1,582                   | 38,600                  | 1.675      |
| No.9  | 265                    | CP          | WFNGC(L)    | 12.1                | 1,071                | 13.5              | 1,218                   | 38,900                  | 1.710      |
| No.9  | 170                    | SIE         | JHP         | 17.7                | 1,500                | 19.7              | 1,705                   | 37,800                  | 1.565      |
| No.9  | 210                    | HDY         | XTP         | 16.2                | 1,338                | 18.0              | 1,521                   | 40,000                  | 1.570      |
| No.9  | 220                    | RAN         | FP          | 15.6                | 1,305                | 17.3              | 1,483                   | 38,800                  | 1.590      |

.44 Special

|   | Bullet Weight (Grains) | Bullet Make | Bullet Type | Start Load (Grains) | Start Velocity (fps) | Max Load (Grains) | Max Load Velocity (fps) | Max Load Pressure (psi) | COL (inch) |
|---|------------------------|-------------|-------------|---------------------|----------------------|-------------------|-------------------------|-------------------------|------------|
| Barrel: 8.150", Twist: 1-20" Primer: REM 2 ½ Bullet Dia.: .429" |                        |             |             |                     |                      |                   |                         |                         |            |
| No.2  | 220                    | MCB         | RNFP(L)     | 4.8                 | 790                  | 5.3               | 900                     | 13,980                  | 1.535      |
| No.2  | 240                    | LC          | RNFP(L)     | 4.2                 | 721                  | 4.7               | 819                     | 13,975                  | 1.600      |
| No.2  | 180                    | HDY         | JHP         | 5.3                 | 802                  | 5.9               | 911                     | 13,890                  | 1.485      |
| No.2  | 200                    | NOS         | JHP         | 4.9                 | 708                  | 5.4               | 805                     | 13,900                  | 1.490      |
| No.2  | 240                    | SIE         | JHC         | 4.1                 | 532                  | 4.5               | 604                     | 13,900                  | 1.485      |
| No.5  | 220                    | MCB         | RNFP(L)     | 7.0                 | 844                  | 7.8               | 959                     | 14,000                  | 1.535      |
| No.5  | 240                    | LC          | RNFP(L)     | 6.1                 | 757                  | 6.8               | 860                     | 14,000                  | 1.600      |
| No.5  | 180                    | HDY         | JHP         | 7.8                 | 878                  | 8.7               | 1,000                   | 14,000                  | 1.485      |
| No.5  | 200                    | NOS         | JHP         | 7.2                 | 766                  | 8.0               | 871                     | 13,000                  | 1.490      |
| No.5  | 240                    | SIE         | JHC         | 5.8                 | 640                  | 6.5               | 730                     | 14,000                  | 1.485      |
| No.7  | 220                    | MCB         | RNFP(L)     | 8.6                 | 839                  | 9.5               | 953                     | 14,000                  | 1.535      |
| No.7  | 240                    | LC          | SWC(L)      | 7.8                 | 792                  | 8.7               | 900                     | 14,000                  | 1.600      |
| No.7  | 180                    | HDY         | JHP         | 9.9                 | 880                  | 10.5              | 1,000                   | 14,000                  | 1.485      |
| No.7  | 200                    | NOS         | JHP         | 9.0                 | 825                  | 10.0              | 938                     | 13,800                  | 1.490      |
|   |                        |             |             |                     |                      |                   |                         |                         |            |



## HANDGUN

## HANDGUN

|  | Bullet Weight (Grains) | Bullet Make | Bullet Type | Start Load (Grains) | Start Velocity (fps) | Max Load (Grains) | Max Load Velocity (fps) | Max Load Pressure (psi) | COL (inch) |
|--|------------------------|-------------|-------------|---------------------|----------------------|-------------------|-------------------------|-------------------------|------------|
| <b>.44 Remington Magnum</b>                  |                        |             |             |                     |                      |                   |                         |                         |            |
| Barrel: 8.275", Twist: 1-20" Primer: WIN WLP |                        |             |             |                     |                      |                   |                         |                         |            |
| Bullet Dia.: .429"                           |                        |             |             |                     |                      |                   |                         |                         |            |
| No.7   | 200                    | LC          | RNFP(L)     | 16.5                | 1,336                | 18.3              | 1,518                   | 40,000                  | 1.560      |
| No.7   | 240                    | MCB         | SWC(L)      | 15.8                | 1,283                | 17.5              | 1,458                   | 39,700                  | 1.560      |
| No.7   | 180                    | SIE         | JHP         | 18.5                | 1,502                | 20.5              | 1,707                   | 40,000                  | 1.560      |
| No.7   | 200                    | NOS         | JHP         | 16.8                | 1,353                | 18.7              | 1,538                   | 37,500                  | 1.595      |
| No.7   | 240                    | HDY         | XTP         | 15.6                | 1,245                | 17.3              | 1,415                   | 40,000                  | 1.560      |
| No.7   | 240                    | RAN         | FP          | 15.0                | 1,264                | 16.8              | 1,437                   | 37,300                  | 1.575      |
| No.7   | 250                    | NOS         | PART        | 15.3                | 1,170                | 17.0              | 1,330                   | 37,700                  | 1.600      |
| No.7   | 300                    | SIE         | JSP         | 14.6                | 1,074                | 16.2              | 1,221                   | 40,000                  | 1.735      |
| No.7   | 300                    | HDY         | XTP         | 13.1                | 1,047                | 14.5              | 1,190                   | 38,000                  | 1.595      |
| No.9   | 220                    | MCB         | RNFP(L)     | 21.2                | 1,456                | 23.6              | 1,655                   | 40,000                  | 1.560      |
| No.9   | 240                    | LC          | SWC(L)      | 19.5                | 1,364                | 21.7              | 1,550                   | 39,600                  | 1.560      |
| No.9   | 275                    | CP          | WFNBP(L)    | 17.1                | 1,202                | 19.0              | 1,350                   | 40,000                  | 1.695      |
| No.9   | 300                    | LC          | TC(L)       | 16.6                | 1,175                | 18.5              | 1,320                   | 40,000                  | 1.720      |
| No.9   | 320                    | CP          | WFNGC(L)    | 15.7                | 1,163                | 17.5              | 1,322                   | 39,800                  | 1.665      |
| No.9   | 200                    | NOS         | JHP         | 22.5                | 1,475                | 25.0              | 1,676                   | 37,800                  | 1.595      |
| No.9   | 240                    | SIE         | JHC         | 19.1                | 1,320                | 21.3              | 1,500                   | 40,000                  | 1.560      |
| No.9   | 240                    | RAN         | FP          | 18.0                | 1,326                | 20.0              | 1,507                   | 40,000                  | 1.575      |
| No.9   | 250                    | SIE         | FPJ         | 18.9                | 1,275                | 21.0              | 1,449                   | 39,200                  | 1.600      |
| No.9   | 300                    | SIE         | JSP         | 17.1                | 1,106                | 19.0              | 1,257                   | 40,000                  | 1.735      |
| No.9   | 300                    | HDY         | XTP         | 15.9                | 1,121                | 17.7              | 1,274                   | 38,320                  | 1.595      |
| 5744   | 240                    | LC          | SWC(L)      | 21.6                | 1,272                | 24.0              | 1,446                   | 34,500                  | 1.560      |
| 5744   | 320                    | CP          | WFNGC(L)    | 16.2                | 952                  | 18.0              | 1,082                   | 27,800                  | 1.665      |
| 5744   | 240                    | HDY         | XTP         | 21.6                | 1,243                | 24.0              | 1,413                   | 35,000                  | 1.580      |
| 5744   | 300                    | HDY         | XTP         | 18.0                | 1,048                | 20.0              | 1,191                   | 31,400                  | 1.595      |

## .45 Auto (ACP)

|  | Bullet Weight (Grains) | Bullet Make | Bullet Type | Start Load (Grains) | Start Velocity (fps) | Max Load (Grains) | Max Load Velocity (fps) | Max Load Pressure (psi) | COL (inch) |
|--|------------------------|-------------|-------------|---------------------|----------------------|-------------------|-------------------------|-------------------------|------------|
| <b>.45 Auto (ACP)</b>                    |                        |             |             |                     |                      |                   |                         |                         |            |
| Barrel: 5", Twist: 1-16" Primer: FED 150 |                        |             |             |                     |                      |                   |                         |                         |            |
| Bullet Dia.: .451"                       |                        |             |             |                     |                      |                   |                         |                         |            |
| N100                                     | 155                    | LC          | SWC(L)      | 5.0                 | 956                  | 5.5               | 1,087                   | 16,000                  | 1.240      |
| N100                                     | 170                    | MCB         | SWCBB(L)    | 5.0                 | 952                  | 5.6               | 1,082                   | 19,900                  | 1.130      |
| N100                                     | 200                    | LC          | SWC(L)      | 4.4                 | 825                  | 4.9               | 938                     | 18,200                  | 1.190      |
| N100                                     | 230                    | LC          | RN(L)       | 4.1                 | 733                  | 4.5               | 834                     | 18,600                  | 1.230      |
| N100                                     | 185                    | NOS         | JHP         | 4.8                 | 842                  | 5.3               | 957                     | 16,900                  | 1.210      |
| N100                                     | 200                    | HDY         | XTP         | 4.3                 | 768                  | 4.8               | 873                     | 16,500                  | 1.225      |
| N100                                     | 230                    | SIE         | FMJ         | 4.1                 | 726                  | 4.5               | 825                     | 19,100                  | 1.250      |
| S1000                                    | 155                    | LC          | SWC(L)      | 5.9                 | 1,029                | 6.5               | 1,170                   | 19,100                  | 1.240      |
| S1000                                    | 170                    | MCB         | SWC(L)      | 5.3                 | 931                  | 5.9               | 1,059                   | 17,800                  | 1.130      |
| S1000                                    | 200                    | LC          | SWC(L)      | 4.8                 | 838                  | 5.3               | 952                     | 18,300                  | 1.190      |
| S1000                                    | 230                    | LC          | RN(L)       | 4.6                 | 790                  | 5.1               | 898                     | 18,300                  | 1.230      |
| S1000                                    | 185                    | SIE         | JHC         | 5.5                 | 862                  | 6.1               | 980                     | 19,400                  | 1.210      |
| S1000                                    | 200                    | HDY         | XTP         | 5.2                 | 804                  | 5.8               | 914                     | 18,800                  | 1.225      |
| S1000                                    | 230                    | NOS         | FMJ         | 4.9                 | 746                  | 5.5               | 848                     | 18,900                  | 1.250      |
| No.2                                     | 155                    | LC          | SWC(L)      | 6.8                 | 1,060                | 7.5               | 1,204                   | 20,600                  | 1.240      |
| No.2                                     | 170                    | MCB         | SWC(L)      | 5.9                 | 950                  | 6.5               | 1,079                   | 19,400                  | 1.130      |
| No.2                                     | 200                    | LC          | SWC(L)      | 5.2                 | 826                  | 5.8               | 939                     | 17,400                  | 1.190      |
| No.2                                     | 230                    | LC          | RN(L)       | 5.0                 | 766                  | 5.6               | 870                     | 17,200                  | 1.230      |
| No.2                                     | 185                    | NOS         | JHP         | 5.7                 | 948                  | 6.7               | 1,106                   | 20,750                  | 1.210      |
| No.2                                     | 200                    | HDY         | XTP         | 5.1                 | 855                  | 5.8               | 970                     | 19,900                  | 1.225      |
| No.2                                     | 230                    | SIE         | FMJ         | 4.6                 | 769                  | 5.4               | 881                     | 20,800                  | 1.250      |
| No.5                                     | 155                    | LC          | SWC(L)      | 9.0                 | 1,046                | 10.0              | 1,189                   | 18,500                  | 1.240      |
| No.5                                     | 170                    | MCB         | SWC(L)      | 8.1                 | 945                  | 9.0               | 1,074                   | 17,800                  | 1.130      |
| No.5                                     | 200                    | LC          | SWC(L)      | 7.8                 | 902                  | 8.7               | 1,025                   | 19,400                  | 1.190      |
| No.5                                     | 230                    | MCB         | RNBB(L)     | 7.7                 | 852                  | 8.5               | 968                     | 19,800                  | 1.230      |
| No.5                                     | 185                    | HDY         | XTP         | 9.2                 | 970                  | 10.2              | 1,102                   | 19,900                  | 1.210      |
| No.5                                     | 200                    | SIE         | FPJ         | 8.7                 | 924                  | 9.7               | 1,050                   | 20,600                  | 1.225      |
| No.5                                     | 230                    | NOS         | FMJ         | 7.8                 | 816                  | 8.7               | 927                     | 19,300                  | 1.250      |
| No.7                                     | 155                    | LC          | SWC(L)      | 12.0                | 1,076                | 13.3              | 1,223                   | 20,200                  | 1.240      |
| No.7                                     | 170                    | MCB         | SWC(L)      | 11.3                | 1,031                | 12.5              | 1,172                   | 20,800                  | 1.130      |
| No.7                                     | 200                    | LC          | RN(L)       | 10.4                | 899                  | 11.5              | 1,022                   | 18,700                  | 1.190      |
| No.7                                     | 230                    | LC          | RN(L)       | 9.9                 | 862                  | 11.0              | 979                     | 19,400                  | 1.230      |
| No.7                                     | 185                    | SIE         | JHP         | 11.7                | 962                  | 13.0              | 1,093                   | 18,000                  | 1.210      |
| No.7                                     | 200                    | HDY         | XTP         | 10.8                | 912                  | 12.0              | 1,036                   | 19,200                  | 1.225      |

## .45 Colt

|   | Bullet Weight (Grains) | Bullet Make | Bullet Type | Start Load (Grains) | Start Velocity (fps) | Max Load (Grains) | Max Load Velocity (fps) | Max Load Pressure (psi) | COL (inch) |
|---|------------------------|-------------|-------------|---------------------|----------------------|-------------------|-------------------------|-------------------------|------------|
| <b>.45 Colt</b>                               |                        |             |             |                     |                      |                   |                         |                         |            |
| Barrel: 7.26", Twist: 1-16" Primer: REM 2 1/2 |                        |             |             |                     |                      |                   |                         |                         |            |
| Bullet Dia.: .452"                            |                        |             |             |                     |                      |                   |                         |                         |            |
| No.5  | 210                    | MCB         | RNBB(L)     | 10.9                | 904                  | 12.1              | 1,027                   | 12,500                  | 1.620      |
| No.5  | 225                    | MCB         | TCBB(L)     | 10.9                | 909                  | 12.1              | 1,033                   | 13,800                  | 1.620      |
| No.5  | 255                    | LC          | SWC(L)      | 9.4                 | 846                  | 10.4              | 961                     | 13,400                  | 1.600      |
| No.5  | 185                    | SIE         | JHP         | 10.8                | 946                  | 12.0              | 1,075                   | 12,200                  | 1.575      |
| No.5  | 200                    | HDY         | XTP         | 10.4                | 908                  | 11.5              | 1,032                   | 13,400                  | 1.595      |
| No.5  | 230                    | HDY         | XTP         | 9.9                 | 853                  | 11.0              | 969                     | 14,000                  | 1.595      |
| No.5  | 240                    | SIE         | JHP         | 9.5                 | 854                  | 10.5              | 970                     | 14,000                  | 1.590      |
| No.5  | 250                    | HDY         | XTP         | 9.9                 | 704                  | 11.0              | 800                     | 14,000                  | 1.570      |
| No.5  | 250                    | RAN         | FP          | 9.4                 | 765                  | 10.4              | 870                     | 12,900                  | 1.585      |

## .45 Colt Ruger & T/C Contender Only

|  | Bullet Weight (Grains) | Bullet Make | Bullet Type | Start Load (Grains) | Start Velocity (fps) | Max Load (Grains) | Max Load Velocity (fps) | Max Load Pressure (psi) | COL (inch) |
|--|------------------------|-------------|-------------|---------------------|----------------------|-------------------|-------------------------|-------------------------|------------|
| <b>.45 Colt Ruger &amp; T/C Contender Only</b> |                        |             |             |                     |                      |                   |                         |                         |            |
| Barrel: 7.26", Twist: 1-16" Primer: WIN WLP    |                        |             |             |                     |                      |                   |                         |                         |            |
| Bullet Dia.: .452"                             |                        |             |             |                     |                      |                   |                         |                         |            |
| No.7   | 210                    | MCB         | RNBB(L)     | 14.9                | 1,104                | 16.6              | 1,254                   | 20,900                  | 1.550      |
| No.7   | 225                    | MCB         | TCBB(L)     | 14.8                | 1,087                | 16.4              | 1,235                   | 21,000                  | 1.575      |
| No.7   | 255                    | LC          | SWC(L)      | 13.6                | 1,010                | 15.1              | 1,148                   | 19,700                  | 1.600      |
| No.7   | 240                    | SIE         | JHC         | 14.0                | 1,010                | 15.5              | 1,148                   | 20,400                  | 1.570      |
| No.7   | 250                    | NOS         | JHP         | 13.7                | 971                  | 15.2              | 1,103                   | 19,600                  | 1.585      |
| No.9   | 255                    | LC          | SWC(L)      | 15.8                | 1,038                | 17.6              | 1,180                   | 20,100                  | 1.600      |
| No.9   | 265                    | CP          | WFNGC(L)    | 15.8                | 998                  | 17.5              | 1,134                   | 19,300                  | 1.650      |
| No.9   | 300                    | LC          | FP(L)       | 13.5                | 798                  | 15.0              | 907                     | 17,600                  | 1.585      |
| No.9   | 250                    | RAN         | FP          | 16.2                | 1,008                | 18.0              | 1,146                   | 20,000                  | 1.585      |
| No.9   | 300                    | HDY         | XTP         | 13.5                | 710                  | 15.0              | 807                     | 19,500                  | 1.580      |

## .454 Casull

|  | Bullet Weight (Grains) | Bullet Make | Bullet Type | Start Load (Grains) | Start Velocity (fps) | Max Load (Grains) | Max Load Velocity (fps) | Max Load Pressure (psi) | COL (inch) |
|--|------------------------|-------------|-------------|---------------------|----------------------|-------------------|-------------------------|-------------------------|------------|
| <b>.454 Casull</b>                         |                        |             |             |                     |                      |                   |                         |                         |            |
| Barrel: 7.5", Twist: 1-24" Primer: CCI 400 |                        |             |             |                     |                      |                   |                         |                         |            |
| Bullet Dia.: .452"                         |                        |             |             |                     |                      |                   |                         |                         |            |
| No.9                                       | 250                    | LC          | RNFP(L)     | 21.6                | 1,326                | 24.0              | 1,507                   | 23,000                  | 1.750      |
| No.9                                       | 300                    | MCB         | WPF(B)L     | 18.9                | 1,228                | 21.0              | 1,396                   | 30,200                  | 1.690      |
| No.9                                       | 240                    | SIE         | JHP         | 25.2                | 1,543                | 28.0              | 1,753                   | 39,800                  | 1.705      |
| No.9                                       | 250                    | HDY         | XTP         | 25.2                | 1,558                | 28.0              | 1,770                   | 45,800                  | 1.700      |
| No.9                                       | 300                    | SIE         | JSP         | 23.4                | 1,404                | 26.0              | 1,596                   | 46,200                  | 1.765      |
| 5744                                       | 250                    | LC          | RNFP(L)     | 26.1                | 1,347                | 29.0              | 1,531                   | 37,100                  | 1.750      |
| 5744                                       | 300                    | MCB         | WPF(B)L     | 24.3                | 1,260                | 27.0              | 1,432                   | 45,500                  | 1.690      |
| 5744                                       | 240                    | SIE         | JHP         | 31.5                | 1,489                | 35.0              | 1,693                   | 51,800                  | 1.705      |
| 5744                                       | 250                    | NOS         | JHP         | 30.6                | 1,518                | 34.0              | 1,726                   | 52,600                  | 1.700      |
| 5744                                       | 300                    | HDY         | XTP         | 28.8                | 1,381                | 32.0              | 1,570                   | 52,600                  | 1.765      |
| 1680                                       | 300                    | LC          | FP(L)       | 27.0                | 1,229                | 30.0              | 1,397                   | 33,700                  | 1.690      |
| 1680                                       | 240                    | SIE         | JHP         | 32.4                | 1,498                | 36.0              | 1,702                   | 42,200                  | 1.705      |
| 1680                                       | 250                    | HDY         | XTP         | 33.3                | 1,547                | 37.0              | 1,758                   | 49,100                  | 1.700      |
| 1680                                       | 300                    | HDY         | XTP         | 30.2                | 1,403                | 33.5              | 1,594                   | 49,600                  | 1.765      |

## .460 S&W

|   | Bullet Weight (Grains) | Bullet Make | Bullet Type | Start Load (Grains) | Start Velocity (fps) | Max Load (Grains) | Max Load Velocity (fps) | Max Load Pressure (psi) | COL (inch) |
|---|------------------------|-------------|-------------|---------------------|----------------------|-------------------|-------------------------|-------------------------|------------|
| <b>.460 S&amp;W</b>                         |                        |             |             |                     |                      |                   |                         |                         |            |
| Barrel: 8.37", Twist: 1-20" Primer: WIN WLR |                        |             |             |                     |                      |                   |                         |                         |            |
| Bullet Dia.: .452"                          |                        |             |             |                     |                      |                   |                         |                         |            |
| 5744  | 335                    | CP          | WLNCG(L)    | 25.5                | 1,200                | Reduced Load      |                         |                         |            |
| 5744  | 335                    | CP          | WLNCG(L)    | 32.0                | 1,500                | 36.5              | 1,710                   | 59,600                  | 2.181      |
| 5744  | 360                    | CP          | WLNCG(L)    | 26.0                | 1,220                | Reduced Load      |                         |                         |            |
| 5744  | 360                    | CP          | WLNCG(L)    | 31.5                | 1,480                | 35.0              | 1,640                   | 59,800                  | 2.199      |
| 5744  | 240                    | HDY         | XTP         | 27.0                | 1,230                | Reduced Load      |                         |                         |            |
| 5744  | 240                    | HDY         | XTP         | 40.0                | 1,836                | 44.0              | 2,035                   | 58,200                  | 2.188      |
| 5744  | 260                    | NOS         | PART        | 28.0                | 1,250                | Reduced Load      |                         |                         |            |
| 5744  | 260                    | NOS         | PART        | 36.0                | 1,685                | 40.0              | 1,880                   | 55,000                  | 2.192      |
| 5744  | 300                    | SIE         | JSP         | 26.0                | 1,210                | Reduced Load      |                         |                         |            |
| 5744  | 300                    | SIE         | JSP         | 34.0                | 1,590                | 38.0              | 1,785                   | 57,800                  | 2.208      |
| No 9  | 335                    | CP          | WLNCG(L)    | 28.0                | 1,510                | 31.5              | 1,660                   | 61,000                  | 2.181      |
| No 9  | 360                    | CP          | WLNCG(L)    | 27.0                | 1,450                | 30.0              | 1,580                   | 60,438                  | 2.199      |
| No 9  | 240                    | HDY         | XTP         | 34.0                | 1,820                | 38.0              | 2,000                   | 59,300                  | 2.188      |
| No 9  | 250                    | BAR         | XPB         | 29.0                | 1,700                | 32.5              | 1,891                   | 58,900                  | 2.199      |
| No 9  | 260                    | NOS         | PART        | 31.5                | 1,740                | 35.0              | 1,895                   | 59,000                  | 2.192      |
| No 9  | 300                    | SIE         | JSP         | 30.0                | 1,620                | 34.0              | 1,790                   | 61,000                  | 2.208      |
| 4100  | 335                    | CP          | WLNCG(L)    | 31.0                | 1,520                | 34.5              | 1,675                   | 60,000                  | 2.181      |
| 4100  | 360                    | CP          | WLNCG(L)    | 29.7                | 1,450                | 33.0              | 1,595                   | 59,100                  | 2.199      |
| 4100  | 240                    | HDY         | XTP         | 37.0                | 1,780                | 42.5              | 2,035                   | 60,500                  | 2.188      |
| 4100  | 250                    | BAR         | XPB         | 33.0                | 1,726                | 37.0              | 1,930                   | 60,000                  | 2.199      |
| 4100  | 260                    | NOS         | PART        | 35.0                | 1,730                | 39.0              | 1,915                   | 59,000                  | 2.192      |
| 4100  | 300                    | SIE         | JSP         | 33.0                | 1,600                | 37.0              | 1,780                   | 60,300                  | 2.208      |
| 1680  | 335                    | CP          | WLNCG(L)    | 38.0                | 1,500                | 42.0              | 1,684                   | 59,700                  | 2.181      |
| 1680  | 360                    | CP          | WLNCG(L)    | 36.0                | 1,400                | 39.5              | 1,600                   | 57,500                  | 2.199      |
| 1680  | 240                    | HDY         | XTP         | 45.0                | 1,713                | 50.0              | 1,98                    |                         |            |

## HANDGUN

| Bullet Weight (Grains) | Bullet Make | Bullet Type | Start Load (Grains)                        | Start Velocity (fps) | Max Load (Grains)  | Max Load Velocity (fps) | Max Load Pressure (psi) | COL (inch)   |
|------------------------|-------------|-------------|--|----------------------|--------------------|-------------------------|-------------------------|--------------|
| <b>.480 Ruger</b>      |             |             | Barrel: 7.5", Twist: 1-18" Primer: WIN WLP |                      | Bullet Dia.: .475" |                         |                         |              |
| No 7                   | 370         | CP          | LFNPB(L)                                   | 15.2                 | 1,180              | 17.2                    | 1,300                   | 46,000 1.670 |
| No 7                   | 390         | CP          | LFNPB(L)                                   | 14.8                 | 1,150              | 16.5                    | 1,260                   | 46,600 1.680 |
| No 7                   | 325         | HDY         | XTP  | 17.0                 | 1,280              | 19.0                    | 1,430                   | 45,400 1.650 |
| No 7                   | 400         | HDY         | XTP  | 13.0                 | 1,050              | 15.0                    | 1,180                   | 45,200 1.635 |
| No 9                   | 370         | CP          | LFNPB(L)                                   | 19.0                 | 1,220              | 21.0                    | 1,320                   | 44,900 1.670 |
| No 9                   | 390         | CP          | LFNPB(L)                                   | 18.4                 | 1,180              | 20.5                    | 1,300                   | 45,500 1.680 |
| No 9                   | 325         | HDY         | XTP  | 21.5                 | 1,300              | 23.5                    | 1,450                   | 45,400 1.650 |
| No 9                   | 400         | HDY         | XTP  | 17.0                 | 1,130              | 19.0                    | 1,240                   | 44,600 1.635 |

## .500 S&W

| Bullet Weight (Grains) | Bullet Make | Bullet Type | Start Load (Grains)                         | Start Velocity (fps) | Max Load (Grains)  | Max Load Velocity (fps) | Max Load Pressure (psi) | COL (inch)   |
|------------------------|-------------|-------------|---|----------------------|--------------------|-------------------------|-------------------------|--------------|
| <b>.500 S&amp;W</b>    |             |             | Barrel: 8.37", Twist: 1-18" Primer: WIN WLR |                      | Bullet Dia.: .500" |                         |                         |              |
| 5744                   | 370         | CP          | WFNGC(L)                                    | 32.0                 | 1,204              | Reduced Load            |                         |              |
| 5744                   | 370         | CP          | WFNGC(L)                                    | 38.3                 | 1,432              | 42.5                    | 1,566                   | 41,800 2.020 |
| 5744                   | 440         | CP          | WFNGC(L)                                    | 34.4                 | 1,300              | 38.0                    | 1,424                   | 43,100 2.020 |
| 5744                   | 325         | BAR         | XPB   | 39.0                 | 1,520              | 43.0                    | 1,700                   | 41,500 2.292 |
| 5744                   | 350         | SIE         | JHP   | 40.0                 | 1,480              | 44.0                    | 1,620                   | 43,500 2.060 |
| 5744                   | 375         | BAR         | XPB   | 34.0                 | 1,376              | 37.5                    | 1,500                   | 43,500 2.292 |
| 5744                   | 400         | SIE         | JSP   | 37.0                 | 1,385              | 41.0                    | 1,520                   | 43,200 2.060 |
| No 9                   | 370         | CP          | WFNGC(L)                                    | 32.0                 | 1,550              | 35.0                    | 1,700                   | 56,000 2.020 |
| No 9                   | 440         | CP          | WFNGC(L)                                    | 27.0                 | 1,325              | 30.5                    | 1,490                   | 56,000 2.020 |
| No 9                   | 325         | BAR         | XPB   | 32.0                 | 1,620              | 36.0                    | 1,800                   | 54,000 2.292 |
| No 9                   | 350         | SIE         | JHP   | 32.8                 | 1,610              | 36.5                    | 1,790                   | 56,500 2.060 |
| No 9                   | 375         | BAR         | XPB   | 29.0                 | 1,460              | 32.5                    | 1,650                   | 57,000 2.292 |
| No 9                   | 400         | SIE         | JSP   | 31.0                 | 1,490              | 34.5                    | 1,670                   | 57,500 2.060 |
| 4100                   | 370         | CP          | WFNGC(L)                                    | 39.0                 | 1,650              | 43.5                    | 1,825                   | 56,000 2.020 |
| 4100                   | 440         | CP          | WFNGC(L)                                    | 33.0                 | 1,420              | 37.0                    | 1,650                   | 57,000 2.020 |
| 4100                   | 325         | BAR         | XPB   | 38.0                 | 1,680              | 42.0                    | 1,820                   | 57,000 2.292 |
| 4100                   | 350         | SIE         | JHP   | 38.7                 | 1,680              | 43.0                    | 1,875                   | 57,500 2.060 |
| 4100                   | 375         | BAR         | XPB   | 33.0                 | 1,475              | 37.5                    | 1,665                   | 57,000 2.292 |
| 4100                   | 400         | SIE         | JSP   | 35.0                 | 1,510              | 40.0                    | 1,700                   | 57,800 2.060 |
| 1680                   | 370         | CP          | WFNGC(L)                                    | 43.0                 | 1,375              | 47.5                    | 1,550                   | 37,000 2.020 |
| 1680                   | 440         | CP          | WFNGC(L)                                    | 38.7                 | 1,267              | 43.0                    | 1,458                   | 35,000 2.020 |
| 1680                   | 375         | BAR         | XPB   | 38.0                 | 1,250              | 42.0                    | 1,450                   | 36,500 2.292 |
| 1680                   | 400         | SIE         | JSP   | 40.5                 | 1,305              | 45.0                    | 1,454                   | 29,400 2.060 |

## RIFLE

## .17 Remington

| Bullet Weight (Grains) | Bullet Make | Bullet Type | Start Load (Grains)                       | Start Velocity (fps) | Max Load (Grains)  | Max Load Velocity (fps) | Max Load Pressure (psi) | COL (inch)   |
|------------------------|-------------|-------------|---|----------------------|--------------------|-------------------------|-------------------------|--------------|
| <b>.17 Remington</b>   |             |             | Barrel: 24", Twist: 1-10" Primer: FED 205 |                      | Bullet Dia.: .172" |                         |                         |              |
| 2495                   | 25          | HDY         | HP  | 20.7                 | 3,569              | 23.0                    | 4,056                   | 60,298 2.170 |
| 2520                   | 25          | HDY         | HP  | 20.4                 | 3,496              | 22.7                    | 3,973                   | 60,888 2.170 |
| 4064                   | 25          | HDY         | HP  | 21.6                 | 3,560              | 24.0                    | 4,045                   | 59,118 2.170 |
| 2700                   | 25          | HDY         | HP  | 25.7                 | 3,838              | 27.0                    | 4,083                   | 58,882 2.170 |

## .20 Vartarg

| Bullet Weight (Grains) | Bullet Make | Bullet Type | Start Load (Grains)                       | Start Velocity (fps) | Max Load (Grains)  | Max Load Velocity (fps) | Max Load Pressure (psi) | COL (inch)   |
|------------------------|-------------|-------------|---|----------------------|--------------------|-------------------------|-------------------------|--------------|
| <b>.20 Vartarg</b>     |             |             | Barrel: 24", Twist: 1-12" Primer: WIN WSR |                      | Bullet Dia.: .204" |                         |                         |              |
| 1680                   | 32          | SIE         | BK  | 16.6                 | 3,437              | 18.5                    | 3,793                   | 62,900 1.855 |
| 1680                   | 40          | HDY         | V-MAX                                     | 15.5                 | 3,089              | 17.3                    | 3,392                   | 62,925 1.825 |
| 2230                   | 32          | SIE         | BK  | 18.1                 | 3,182              | 20.1                    | 3,535                   | 54,000 1.825 |
| 2230                   | 40          | HDY         | V-MAX                                     | 17.5                 | 2,982              | 19.4                    | 3,291                   | 58,000 1.825 |

## .20 Vartarg Turbo

| Bullet Weight (Grains)   | Bullet Make | Bullet Type | Start Load (Grains)                       | Start Velocity (fps) | Max Load (Grains)  | Max Load Velocity (fps) | Max Load Pressure (psi) | COL (inch)   |
|--------------------------|-------------|-------------|---|----------------------|--------------------|-------------------------|-------------------------|--------------|
| <b>.20 Vartarg Turbo</b> |             |             | Barrel: 24", Twist: 1-12" Primer: WIN WSR |                      | Bullet Dia.: .204" |                         |                         |              |
| 2015                     | 32          | SIE         | BK  | 20.1                 | 3,322              | 22.3                    | 3,649                   | 53,900 2.000 |
| 2015                     | 40          | HDY         | V-MAX                                     | 19.9                 | 3,246              | 22.1                    | 3,528                   | 62,875 2.030 |
| 2230                     | 32          | SIE         | BK  | 22.1                 | 3,663              | 24.5                    | 3,954                   | 62,910 2.000 |
| 2230                     | 40          | HDY         | V-MAX                                     | 21.4                 | 3,349              | 23.7                    | 3,659                   | 62,875 2.030 |

## .20 Tactical

| Bullet Weight (Grains) | Bullet Make | Bullet Type | Start Load (Grains)                       | Start Velocity (fps) | Max Load (Grains)  | Max Load Velocity (fps) | Max Load Pressure (psi) | COL (inch)   |
|------------------------|-------------|-------------|---|----------------------|--------------------|-------------------------|-------------------------|--------------|
| <b>.20 Tactical</b>    |             |             | Barrel: 24", Twist: 1-12" Primer: WIN WSR |                      | Bullet Dia.: .204" |                         |                         |              |
| 2015                   | 32          | SIE         | BK  | 22.8                 | 3,548              | 25.4                    | 3,886                   | 63,000 2.200 |
| 2015                   | 40          | HDY         | V-MAX                                     | 21.3                 | 3,204              | 23.7                    | 3,553                   | 62,900 2.240 |
| 2230                   | 32          | SIE         | BK  | 23.6                 | 3,671              | 26.2                    | 3,975                   | 62,975 2.200 |
| 2230                   | 40          | HDY         | V-MAX                                     | 22.2                 | 3,373              | 24.7                    | 3,628                   | 62,900 2.240 |
| 2520                   | 32          | SIE         | BK  | 25.2                 | 3,795              | 28.0                    | 4,074                   | 62,870 2.200 |
| 2520                   | 40          | HDY         | V-MAX                                     | 24.3                 | 3,550              | 27.0                    | 3,835                   | 62,980 2.240 |
| 2520                   | 50          | BRG         | LTB                                       | 22.5                 | 3,124              | 25.0                    | 3,426                   | 62,965 2.240 |

## .204 Ruger

| Bullet Weight (Grains) | Bullet Make | Bullet Type | Start Load (Grains)                       | Start Velocity (fps) | Max Load (Grains)  | Max Load Velocity (fps) | Max Load Pressure (psi) | COL (inch)   |
|------------------------|-------------|-------------|---|----------------------|--------------------|-------------------------|-------------------------|--------------|
| <b>.204 Ruger</b>      |             |             | Barrel: 24", Twist: 1-12" Primer: WIN WSR |                      | Bullet Dia.: .204" |                         |                         |              |
| 2015                   | 32          | SIE         | BK  | 23.9                 | 3,490              | 26.5                    | 3,878                   | 57,300 2.250 |
| 2015                   | 39          | SIE         | BK  | 22.5                 | 3,188              | 25.0                    | 3,543                   | 59,100 2.260 |
| 2230                   | 32          | HDY         | V-MAX                                     | 24.7                 | 3,564              | 27.5                    | 3,960                   | 56,300 2.250 |
| 2230                   | 40          | HDY         | V-MAX                                     | 23.4                 | 3,270              | 26.0                    | 3,633                   | 56,300 2.260 |
| 2520                   | 32          | HDY         | V-MAX                                     | 26.6                 | 3,680              | 29.5                    | 4,089                   | 59,000 2.250 |
| 2520                   | 40          | HDY         | V-MAX                                     | 25.2                 | 3,386              | 28.0                    | 3,762                   | 59,900 2.260 |

## .20 PPC @ 59000 psi (Standard Loads)

| Bullet Weight (Grains)                      | Bullet Make | Bullet Type | Start Load (Grains)                       | Start Velocity (fps) | Max Load (Grains)  | Max Load Velocity (fps) | Max Load Pressure (psi) | COL (inch)   |
|---|-------------|-------------|---|----------------------|--------------------|-------------------------|-------------------------|--------------|
| <b>.20 PPC @ 59000 psi (Standard Loads)</b> |             |             | Barrel: 24", Twist: 1-12" Primer: WIN WSR |                      | Bullet Dia.: .204" |                         |                         |              |
| 2495  | 32          | SIE         | BK  | 25.8                 | 3,692              | 28.7                    | 3,966                   | 57,950 1.947 |
| 2495  | 40          | HDY         | V-MAX                                     | 24.9                 | 3,423              | 27.7                    | 3,719                   | 57,900 1.955 |
| 2495  | 50          | BGR         | LTB                                       | 22.2                 | 3,031              | 24.7                    | 3,305                   | 57,875 1.995 |
| 2520  | 32          | SIE         | BK  | 27.9                 | 3,822              | 31.0                    | 4,243                   | 58,000 1.947 |
| 2520  | 40          | HDY         | V-MAX                                     | 26.3                 | 3,590              | 29.2                    | 3,925                   | 57,925 1.955 |
| 2520  | 50          | BGR         | LTB                                       | 24.4                 | 3,233              | 27.1                    | 3,527                   | 57,975 1.995 |

## .20 PPC @ 63000 psi

| Bullet Weight (Grains)     | Bullet Make | Bullet Type | Start Load (Grains)                       | Start Velocity (fps) | Max Load (Grains)  | Max Load Velocity (fps) | Max Load Pressure (psi) | COL (inch)   |
|----------------------------|-------------|-------------|---|----------------------|--------------------|-------------------------|-------------------------|--------------|
| <b>.20 PPC @ 63000 psi</b> |             |             | Barrel: 24", Twist: 1-12" Primer: WIN WSR |                      | Bullet Dia.: .204" |                         |                         |              |
| 2495                       | 50          | BGR         | LTB                                       | 22.2                 | 3,031              | 25.3                    | 3,375                   | 62,975 1.995 |
| 2520                       | 50          | BGR         | LTB                                       | 25.0                 | 3,293              | 27.8                    | 3,598                   | 62,950 1.995 |

## .20 BR @ 59000 psi (Standard Loads)

| Bullet Weight (Grains)                     | Bullet Make | Bullet Type | Start Load (Grains)                       | Start Velocity (fps) | Max Load (Grains)  | Max Load Velocity (fps) | Max Load Pressure (psi) | COL (inch)   |
|--|-------------|-------------|---|----------------------|--------------------|-------------------------|-------------------------|--------------|
| <b>.20 BR @ 59000 psi (Standard Loads)</b> |             |             | Barrel: 24", Twist: 1-12" Primer: WIN WSR |                      | Bullet Dia.: .204" |                         |                         |              |
| 2495                                       | 32          | SIE         | BK  | 27.9                 | 3,775              | 31.0                    | 4,085                   | 57,950 1.992 |
| 2495                                       | 40          | HDY         | V-MAX                                     | 27.0                 | 3,636              | 30.0                    | 3,761                   | 57,900 2.000 |
| 2495                                       | 50          | BGR         | LTB                                       | 24.5                 | 3,159              | 27.2                    | 3,405                   | 57,875 2.020 |
| 2520                                       | 32          | SIE         | BK  | 29.2                 | 3,899              | 32.5                    | 4,304                   | 58,000 1.992 |
| 2520                                       | 40          | HDY         | V-MAX                                     | 27.6                 | 3,662              | 30.7                    | 3,952                   | 57,925 2.000 |
| 4064                                       | 40          | HDY         | V-MAX                                     | 28.3                 | 3,498              | 31.4                    | 3,834                   | 57,975 2.000 |
| 4064                                       | 50          | BGR         | LTB                                       | 26.4                 | 3,188              | 29.3                    | 3,468                   | 57,850 2.020 |
| 2700                                       | 50          | BGR         | LTB                                       | 29.9                 | 3,228              | 33.3                    | 3,563                   | 57,825 2.020 |

## .20 BR @ 63000 psi

| Bullet Weight (Grains)    | Bullet Make | Bullet Type | Start Load (Grains)                       | Start Velocity (fps) | Max Load (Grains)  | Max Load Velocity (fps) | Max Load Pressure (psi) | COL (inch)   |
|---------------------------|-------------|-------------|---|----------------------|--------------------|-------------------------|-------------------------|--------------|
| <b>.20 BR @ 63000 psi</b> |             |             | Barrel: 24", Twist: 1-12" Primer: WIN WSR |                      | Bullet Dia.: .204" |                         |                         |              |
| 2495                      | 32          | SIE         | BK  | 28.9                 | 3,873              | 32.1                    | 4,200                   | 62,950 1.992 |
| 2495                      | 40          | HDY         | V-MAX                                     | 28.2                 | 3,685              | 31.3                    | 3,816                   | 62,900 2.000 |
| 2495                      | 50          | BGR         | LTB                                       | 25.5                 | 3,243              | 28.3                    | 3,504                   | 63,000 2.020 |
| 2520                      | 32          | SIE         | BK  | 29.9                 | 3,972              | 33.2                    | 4,392                   | 62,910 1.992 |
| 2520                      | 40          | HDY         | V-MAX                                     | 28.4                 | 3,662              | 31.6                    | 4,035                   | 62,550 2.000 |

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| Bullet Weight (Grains)               | Bullet Make | Bullet Type | Start Load (Grains)      | Start Velocity (fps) | Max Load (Grains) | Max Load Velocity (fps)                   | Max Load Pressure (psi) | COL (inch) |
|--------------------------------------|-------------|-------------|--------------------------|----------------------|-------------------|---|-------------------------|------------|
| <b>.22 Hornet .224 Diameter Bore</b> |             |             | Barrel: 20", Twist 1-14" |                      |                   | Primer: REM 6 1/2      Bullet Dia.: .224" |                         |            |
| 5744                                 | 40          | NOS B-TIP   | 9.2                      | 2,092                | 9.8               | 2,307                                     | 48,734                  | 1.855      |
| 5744                                 | 40          | SIE Hornet  | 8.7                      | 1,943                | 9.7               | 2,208                                     | 50,740                  | 1.715      |
| 5744                                 | 50          | HDY SX      | 8.1                      | 1,717                | 9.0               | 1,951                                     | 50,032                  | 1.780      |
| 1680                                 | 35          | HDY V-MAX   | 12.1                     | 2,516                | 13.5              | 2,860                                     | 49,442                  | 1.775      |
| 1680                                 | 40          | SIE Hornet  | 12.6                     | 2,451                | 14.0              | 2,785                                     | 50,740                  | 1.715      |
| 1680                                 | 45          | NOS Hornet  | 11.1                     | 2,194                | 12.3              | 2,493                                     | 48,026                  | 1.720      |
| 1680                                 | 50          | HDY SX      | 10.4                     | 2,105                | 11.5              | 2,392                                     | 50,032                  | 1.780      |

**.222 Remington**

| Bullet Weight (Grains) | Bullet Make | Bullet Type | Start Load (Grains)       | Start Velocity (fps) | Max Load (Grains) | Max Load Velocity (fps)                   | Max Load Pressure (psi) | COL (inch) |
|------------------------|-------------|-------------|---------------------------|----------------------|-------------------|---|-------------------------|------------|
| <b>.222 Remington</b>  |             |             | Barrel: 24", Twist: 1-14" |                      |                   | Primer: REM 7 1/2      Bullet Dia.: .224" |                         |            |
| 2015                   | 40          | NOS B-TIP   | 20.7                      | 3,085                | 23.0              | 3,422                                     | 45,700                  | 2.120      |
| 2015                   | 45          | NOS SB      | 20.4                      | 2,976                | 22.7              | 3,296                                     | 45,000                  | 2.120      |
| 2015                   | 50          | HDY SPSX    | 20.2                      | 2,900                | 22.5              | 3,213                                     | 48,500                  | 2.120      |
| 2015                   | 55          | SIE SPBT    | 19.3                      | 2,770                | 21.5              | 3,070                                     | 47,200                  | 2.120      |
| 2015                   | 60          | SIE HP      | 18.5                      | 2,661                | 20.6              | 2,950                                     | 47,800                  | 2.120      |
| 2230                   | 40          | NOS B-TIP   | 22.2                      | 3,038                | 24.7              | 3,410                                     | 48,600                  | 2.120      |
| 2230                   | 45          | SIE SB      | 22.0                      | 2,910                | 24.5              | 3,269                                     | 46,700                  | 2.120      |
| 2230                   | 50          | HDY SPSX    | 21.6                      | 2,840                | 24.0              | 3,170                                     | 48,100                  | 2.120      |
| 2230                   | 55          | SIE SPBT    | 20.5                      | 2,720                | 22.8              | 3,032                                     | 48,500                  | 2.120      |
| 2230                   | 60          | SIE HP      | 20.0                      | 2,630                | 22.2              | 2,931                                     | 47,800                  | 2.120      |
| 2460                   | 40          | HDY B-TIP   | 22.5                      | 3,045                | 25.0              | 3,425                                     | 48,500                  | 2.120      |
| 2460                   | 45          | NOS SB      | 22.3                      | 2,959                | 24.8              | 3,275                                     | 47,000                  | 2.120      |
| 2460                   | 50          | HDY SPSX    | 21.9                      | 2,850                | 24.3              | 3,180                                     | 48,200                  | 2.120      |
| 2460                   | 55          | SIE SPBT    | 20.7                      | 2,740                | 23.0              | 3,027                                     | 47,500                  | 2.120      |
| 2460                   | 60          | SIE HP      | 20.4                      | 2,600                | 22.5              | 2,910                                     | 46,800                  | 2.120      |
| 2520                   | 55          | SIE SPBT    | 21.5                      | 2,641                | 23.8              | 2,985                                     | 43,500                  | 2.120      |
| 2520                   | 60          | SIE HP      | 20.7                      | 2,562                | 23.0              | 2,897                                     | 44,800                  | 2.120      |

**.223 Remington**

| Bullet Weight (Grains) | Bullet Make | Bullet Type | Start Load (Grains)       | Start Velocity (fps) | Max Load (Grains) | Max Load Velocity (fps)                 | Max Load Pressure (psi) | COL (inch) |
|------------------------|-------------|-------------|---------------------------|----------------------|-------------------|---|-------------------------|------------|
| <b>.223 Remington</b>  |             |             | Barrel: 24", Twist: 1-12" |                      |                   | Primer: FED 205      Bullet Dia.: .224" |                         |            |
| 5744                   | 35          | HDY V-MAX   | 19.2                      | 3,169                | 21.1              | 3,602                                   | 53,694                  | 2.130      |
| 5744                   | 40          | NOS B-TIP   | 18.5                      | 3,025                | 20.6              | 3,439                                   | 54,810                  | 2.260      |
| 5744                   | 50          | BAR VAR     | 17.8                      | 2,743                | 19.7              | 3,117                                   | 52,983                  | 2.235      |
| 5744                   | 53          | HDY HP      | 16.8                      | 2,626                | 18.7              | 2,985                                   | 53,897                  | 2.225      |
| 5744                   | 55          | SIE SPT     | 16.8                      | 2,612                | 18.7              | 2,968                                   | 55,000                  | 2.230      |
| 2015                   | 35          | HDY V-MAX   | 22.5                      | 3,289                | 25.0              | 3,738                                   | 53,186                  | 2.130      |
| 2015                   | 40          | NOS B-Tip   | 22.8                      | 3,230                | 25.4              | 3,671                                   | <b>52,600</b>           | 2.260      |
| 2015                   | 45          | SIE Hornet  | 22.5                      | 3,058                | 25.0              | 3,475                                   | <b>49,800</b>           | 2.115      |
| 2015                   | 50          | SIE BK      | 22.1                      | 2,921                | 24.5              | 3,319                                   | <b>47,100</b>           | 2.235      |
| 2015                   | 52          | BRG HP      | 20.4                      | 2,855                | 22.7              | 3,245                                   | 54,959                  | 2.250      |
| 2015                   | 53          | HDY HP      | 21.2                      | 2,818                | 23.5              | 3,203                                   | <b>48,500</b>           | 2.225      |
| 2015                   | 55          | NOS B-TIP   | 21.6                      | 2,829                | 24.0              | 3,215                                   | <b>50,500</b>           | 2.230      |
| 2230                   | 35          | HDY V-MAX   | 25.4                      | 3,402                | 28.3              | 3,866                                   | 48,010                  | 2.130      |
| 2230                   | 36          | BAR VG      | 25.2                      | 3,448                | 28.0              | 3,872                                   | 51,700                  | 2.148      |
| 2230                   | 40          | BAR VAR     | 23.7                      | 3,138                | 26.4              | 3,566                                   | <b>51,500</b>           | 2.260      |
| 2230                   | 45          | BRG HP      | 23.3                      | 2,980                | 25.9              | 3,387                                   | <b>51,200</b>           | 2.115      |
| 2230                   | 50          | SIE BK      | 22.5                      | 2,882                | 25.0              | 3,275                                   | <b>50,500</b>           | 2.235      |
| 2230                   | 52          | SIE HPBT    | 21.1                      | 2,892                | 23.5              | 3,287                                   | 54,970                  | 2.250      |
| 2230                   | 53          | HDY HP      | 22.5                      | 2,805                | 25.0              | 3,187                                   | <b>50,600</b>           | 2.225      |
| 2230                   | 55          | NOS B-TIP   | 22.5                      | 2,773                | 25.0              | 3,152                                   | <b>51,000</b>           | 2.230      |
| 2230                   | 60          | HDY PART    | 21.2                      | 2,663                | 23.5              | 3,025                                   | <b>49,900</b>           | 2.235      |
| 2230                   | 62          | BRG HP      | 20.4                      | 2,623                | 22.8              | 2,982                                   | 54,950                  | 2.250      |
| 2230                   | 64          | BRG HP      | 20.3                      | 2,566                | 22.5              | 2,916                                   | 54,915                  | 2.250      |
| 2460                   | 40          | NOS B-TIP   | 24.2                      | 3,169                | 26.9              | 3,602                                   | <b>51,700</b>           | 2.260      |
| 2460                   | 45          | BRG HP      | 23.8                      | 2,998                | 26.4              | 3,406                                   | <b>50,000</b>           | 2.115      |
| 2460                   | 50          | BAR VAR     | 22.5                      | 2,871                | 25.0              | 3,262                                   | <b>47,800</b>           | 2.235      |
| 2460                   | 52          | SIE BTHP    | 21.9                      | 2,874                | 24.3              | 3,267                                   | 54,981                  | 2.250      |
| 2460                   | 55          | NOS B-TIP   | 22.9                      | 2,786                | 25.4              | 3,166                                   | <b>49,900</b>           | 2.230      |
| 2460                   | 60          | HDY V-MAX   | 21.8                      | 2,652                | 24.2              | 3,014                                   | <b>50,100</b>           | 2.235      |
| 2460                   | 64          | BRG HP      | 20.7                      | 2,572                | 23.0              | 2,922                                   | 53,100                  | 2.250      |
| 2495                   | 55          | SIE BK      | 22.7                      | 2,820                | 25.2              | 3,206                                   | <b>51,800</b>           | 2.230      |
| 2495                   | 60          | SIE HP      | 21.3                      | 2,626                | 23.7              | 2,985                                   | 55,000                  | 2.235      |
| 2520                   | 60          | HDY SP      | 23.8                      | 2,720                | 26.4              | 3,091                                   | 54,516                  | 2.235      |
| 2520                   | 64          | BRG HP      | 22.5                      | 2,655                | 25.0              | 3,017                                   | 54,980                  | 2.250      |

Bold Italicized = CUP Pressure

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| Bullet Weight (Grains)                    | Bullet Make | Bullet Type | Start Load (Grains)              | Start Velocity (fps) | Max Load (Grains) | Max Load Velocity (fps)                 | Max Load Pressure (psi) | COL (inch) |
|---|-------------|-------------|----------------------------------|----------------------|-------------------|---|-------------------------|------------|
| <b>.223 Remington (1 in 7 or 9 twist)</b> |             |             | Barrel: 24", Twist: 1-7" or 1-9" |                      |                   | Primer: FED 205      Bullet Dia.: .224" |                         |            |
| 2460                                      | 69          | NOS HPBT    | 21.3                             | 2,579                | 23.7              | 2,991                                   | <b>51,800</b>           | 2.250      |
| 2460                                      | 75          | HDY HPBT    | 21.1                             | 2,457                | 23.5              | 2,792                                   | <b>50,400</b>           | 2.255      |
| 2460                                      | 80          | SIE HPBT    | 20.7                             | 2,404                | 23.0              | 2,732                                   | <b>50,200</b>           | 2.450      |
| 2495                                      | 69          | SIE HPBT    | 21.6                             | 2,556                | 24.0              | 2,905                                   | <b>50,500</b>           | 2.250      |
| 2495                                      | 80          | NOS HPBT    | 20.4                             | 2,404                | 22.6              | 2,732                                   | <b>52,300</b>           | 2.450      |
| 2520                                      | 69          | SIE HPBT    | 23.3                             | 2,625                | 25.9              | 2,983                                   | <b>48,900</b>           | 2.250      |
| 2520                                      | 75          | HDY HPBT    | 22.0                             | 2,522                | 24.5              | 2,866                                   | <b>52,500</b>           | 2.255      |
| 2520                                      | 80          | SIE HPBT    | 21.6                             | 2,411                | 24.0              | 2,740                                   | <b>50,400</b>           | 2.450      |

Bold Italicized = CUP Pressure

**.22-250 Remington**

| Bullet Weight (Grains)   | Bullet Make | Bullet Type | Start Load (Grains)       | Start Velocity (fps) | Max Load (Grains) | Max Load Velocity (fps)                 | Max Load Pressure (psi) | COL (inch) |
|--------------------------|-------------|-------------|---------------------------|----------------------|-------------------|---|-------------------------|------------|
| <b>.22-250 Remington</b> |             |             | Barrel: 24", Twist: 1-14" |                      |                   | Primer: WIN WLR      Bullet Dia.: .224" |                         |            |
| 2460                     | 40          | NOS B-TIP   | 33.7                      | 3,663                | 37.5              | 4,163                                   | 60,500                  | 2.405      |
| 2460                     | 45          | BRG HP      | 32.4                      | 3,392                | 36.0              | 3,854                                   | 58,800                  | 2.305      |
| 2460                     | 50          | BAR VAR     | 32.9                      | 3,371                | 36.5              | 3,831                                   | 61,900                  | 2.350      |
| 2460                     | 53          | HDY HP      | 31.5                      | 3,194                | 35.0              | 3,629                                   | 58,600                  | 2.380      |
| 2460                     | 55          | SIE BK      | 32.4                      | 3,230                | 36.0              | 3,670                                   | 62,300                  | 2.370      |
| 2520                     | 36          | BAR VG      | 36.0                      | 3,635                | 40.0              | 4,055                                   | 63,800                  | 2.350      |
| 2520                     | 40          | BAR VAR     | 34.6                      | 3,673                | 38.5              | 4,174                                   | 61,800                  | 2.405      |
| 2520                     | 45          | BRG HP      | 33.8                      | 3,412                | 37.5              | 3,877                                   | 58,800                  | 2.305      |
| 2520                     | 50          | SIE BK      | 33.3                      | 3,361                | 37.0              | 3,819                                   | 63,100                  | 2.350      |
| 2520                     | 53          | HDY HP      | 32.0                      | 3,167                | 35.5              | 3,599                                   | 56,400                  | 2.380      |
| 2520                     | 55          | NOS B-TIP   | 32.4                      | 3,172                | 36.0              | 3,605                                   | 59,700                  | 2.370      |
| 4064                     | 40          | SIE BK      | 35.5                      | 3,526                | 39.5              | 4,007                                   | 54,800                  | 2.260      |
| 4064                     | 45          | BRG HP      | 35.1                      | 3,426                | 39.0              | 3,894                                   | 56,100                  | 2.300      |
| 4064                     | 50          | HDY V-MAX   | 34.2                      | 3,340                | 38.0              | 3,796                                   | 59,300                  | 2.350      |
| 4064                     | 53          | SIE HP      | 33.7                      | 3,314                | 37.5              | 3,767                                   | 64,400                  | 2.380      |
| 4064                     | 55          | HDY V-MAX   | 33.3                      | 3,236                | 37.0              | 3,678                                   | 59,500                  | 2.370      |
| 4064                     | 60          | NOS PART    | 32.4                      | 3,086                | 36.0              | 3,507                                   | 58,700                  | 2.400      |
| 4064                     | 63          | SIE SP      | 31.0                      | 2,983                | 34.5              | 3,390                                   | 59,000                  | 2.325      |
| 4064                     | 70          | BRG HP      | 29.0                      | 2,833                | 32.2              | 3,220                                   | 64,500                  | 2.325      |
| 4064                     | 80          | SIE HPBT    | 29.2                      | 2,662                | 32.5              | 3,026                                   | 62,000                  | 2.610      |
| 2700                     | 50          | BAR VAR     | 39.0                      | 3,461                | 41.0              | 3,682                                   | 56,000                  | 2.350      |
| 2700                     | 53          | HDY HP      | 39.0                      | 3,404                | 41.0              | 3,621                                   | 59,300                  | 2.380      |
| 2700                     | 55          | SIE SPT     | 38.0                      | 3,436                | 40.0              | 3,655                                   | 60,700                  | 2.370      |
| 2700                     | 60          | HDY V-MAX   | 36.1                      | 3,269                | 38.0              | 3,478                                   | 61,100                  | 2.400      |
| 2700                     | 63          | SIE SP      | 35.6                      | 3,199                | 37.5              | 3,408                                   | 60,900                  | 2.325      |
| 2700                     | 70          | BRG HP      | 32.8                      | 2,934                | 34.5              | 3,121                                   | 58,900                  | 2.325      |
| 2700                     | 80          | NOS HPBT    | 32.3                      | 2,804                | 34.0              | 2,983                                   | 58,600                  | 2.610      |

**.220 Swift**

| Bullet Weight (Grains) | Bullet Make | Bullet Type | Start Load (Grains)       | Start Velocity (fps) | Max Load (Grains) | Max Load Velocity (fps)                 | Max Load Pressure (psi) | COL (inch) |
|------------------------|-------------|-------------|---------------------------|----------------------|-------------------|---|-------------------------|------------|
| <b>.220 Swift</b>      |             |             | Barrel: 24", Twist: 1-14" |                      |                   | Primer: FED 210      Bullet Dia.: .224" |                         |            |
| 4064                   | 36          | BAR VG      | 37.8                      | 3,690                | 42.3              | 4,105                                   | 60,495                  | 2.638      |
| 4064                   | 40          | NOS B-TIP   | 35.1                      | 3,573                | 39.0              | 4,061                                   | 58,056                  | 2.680      |
| 4064                   | 50          | BAR VAR     | 35.1                      | 3,381                | 39.0              | 3,843                                   | 60,180                  | 2.680      |
| 4064                   | 55          | SIE BK      | 33.3                      | 3,138                | 37.0              | 3,566                                   | 61,596                  | 2.680      |
| 2700                   | 40          | SIE BK      | 42.3                      | 3,884                | 47.0              | 4,414                                   | 61,000                  | 2.680      |
| 2700                   | 50          | HDY V-MAX   | 42.8                      | 3,793                | 45.0              | 4,035                                   | 62,500                  | 2.680      |
| 2700                   | 55          | NOS B-TIP   | 41.3                      | 3,602                | 43.5              | 3,832                                   | 57,000                  | 2.680      |
| 2700                   | 60          | HDY V-MAX   | 39.9                      | 3,391                | 42.0              | 3,607                                   | 59,700                  | 2.680      |
| 2700                   | 63          | SIE SP      | 39.0                      | 3,494                | 41.0              | 3,717                                   | 63,400                  | 2.660      |
| 2700                   | 70          | BRG HP      | 37.1                      | 3,229                | 39.0              | 3,435                                   | 64,000                  | 2.660      |

**.223 Winchester Super Short Magnum**

| Bullet Weight (Grains) | Bullet Make | Bullet Type | Start Load (Grains) | Start Velocity (fps) | Max Load (Grains) | Max Load Velocity (fps) | Max Load Pressure |
|------------------------|-------------|-------------|---------------------|----------------------|-------------------|-------------------------|-------------------|
|------------------------|-------------|-------------|---------------------|----------------------|-------------------|-------------------------|-------------------|



RIFLE

RIFLE

Table for 6mm BR Remington rifle data including bullet weight, velocity, and pressure.

Table for .243 Winchester Super Short Magnum rifle data including bullet weight, velocity, and pressure.

.243 Winchester

.257 Roberts

Table for .243 Winchester rifle data including bullet weight, velocity, and pressure.

Table for .257 Roberts rifle data including bullet weight, velocity, and pressure.

6mm Remington

.25 Winchester Super Short Magnum

Table for 6mm Remington rifle data including bullet weight, velocity, and pressure.

Table for .25 Winchester Super Short Magnum rifle data including bullet weight, velocity, and pressure.

.25-06 Remington

Table for .25-06 Remington rifle data including bullet weight, velocity, and pressure.



6.5x55mm Swedish Mauser

Table for 6.5x55mm Swedish Mauser rifle data including bullet weight, velocity, and pressure.



# ACCURATE POWDERS



## RIFLE

| Bullet Weight (Grains) | Bullet Make | Bullet Type | Start Load (Grains)                      | Start Velocity (fps) | Max Load (Grains) | Max Load Velocity (fps) | Max Load Pressure (psi) | COL (inch) |
|------------------------|-------------|-------------|--|----------------------|-------------------|-------------------------|-------------------------|------------|
| <b>.260 Remington</b>  |             |             | Barrel: 24", Twist: 1-9" Primer: WIN WLR |                      |                   | Bullet Dia.: .264"      |                         |            |
| 2700                   | 85          | SIE HP      | 43.2                                     | 2,939                | 48.0              | 3,340                   | 58,700                  | 2.670      |
| 2700                   | 100         | BAR X       | 38.5                                     | 2,635                | 42.8              | 2,995                   | 56,500                  | 2.750      |
| 2700                   | 100         | NOS B-TIP   | 40.5                                     | 2,746                | 45.0              | 3,121                   | 58,900                  | 2.765      |
| 2700                   | 100         | NOS PART    | 41.0                                     | 2,783                | 45.5              | 3,163                   | 59,600                  | 2.720      |
| 2700                   | 107         | SIE HPBT    | 41.4                                     | 2,722                | 46.0              | 3,094                   | 58,200                  | 2.800      |
| 2700                   | 120         | NOS B-TIP   | 37.8                                     | 2,468                | 42.0              | 2,805                   | 58,700                  | 2.800      |
| 2700                   | 125         | NOS PART    | 37.8                                     | 2,439                | 42.0              | 2,772                   | 56,700                  | 2.780      |
| 2700                   | 129         | HDY SP      | 36.9                                     | 2,366                | 41.0              | 2,689                   | 57,100                  | 2.780      |
| 2700                   | 140         | HDY A-MAX   | 36.0                                     | 2,271                | 40.0              | 2,581                   | 58,000                  | 2.750      |
| 2700                   | 142         | SIE HPBT    | 36.9                                     | 2,323                | 41.0              | 2,640                   | 58,800                  | 2.800      |
| 4350                   | 100         | NOS B-TIP   | 43.2                                     | 2,845                | 48.0              | 3,234                   | 58,700                  | 2.765      |
| 4350                   | 107         | SIE HPBT    | 43.2                                     | 2,797                | 48.0              | 3,179                   | 58,900                  | 2.800      |
| 4350                   | 120         | NOS B-TIP   | 40.0                                     | 2,594                | 44.5              | 2,948                   | 60,000                  | 2.800      |
| 4350                   | 125         | NOS PART    | 40.5                                     | 2,584                | 45.0              | 2,937                   | 60,000                  | 2.780      |
| 4350                   | 129         | HDY SP      | 39.6                                     | 2,493                | 44.0              | 2,833                   | 58,400                  | 2.780      |
| 4350                   | 130         | BAR X       | 36.4                                     | 2,323                | 40.5              | 2,640                   | 58,600                  | 2.750      |
| 4350                   | 140         | NOS PART    | 38.2                                     | 2,405                | 42.5              | 2,733                   | 59,400                  | 2.780      |
| 4350                   | 140         | SIE SBT     | 39.1                                     | 2,413                | 43.5              | 2,743                   | 59,100                  | 2.750      |
| 4350                   | 142         | SIE HPBT    | 38.7                                     | 2,414                | 43.0              | 2,744                   | 57,500                  | 2.800      |
| 3100                   | 120         | NOS B-TIP   | 43.2                                     | 2,564                | 48.0              | 2,914                   | 57,900                  | 2.800      |
| 3100                   | 125         | NOS PART    | 43.2                                     | 2,563                | 48.0              | 2,913                   | 58,700                  | 2.780      |
| 3100                   | 129         | HDY SST     | 42.3                                     | 2,547                | 47.0              | 2,895                   | 56,600                  | 2.780      |
| 3100                   | 130         | BAR X       | 39.1                                     | 2,324                | 43.5              | 2,642                   | 57,500                  | 2.750      |
| 3100                   | 140         | NOS PART    | 40.5                                     | 2,390                | 45.0              | 2,717                   | 57,800                  | 2.780      |
| 3100                   | 142         | SIE HPBT    | 41.4                                     | 2,354                | 46.0              | 2,676                   | 54,600                  | 2.800      |

## 6.5 Grendel

| Bullet Weight (Grains) | Bullet Make | Bullet Type | Start Load (Grains)                       | Start Velocity (fps) | Max Load (Grains) | Max Load Velocity (fps) | Max Load Pressure (psi) | COL (inch) |
|------------------------|-------------|-------------|---|----------------------|-------------------|-------------------------|-------------------------|------------|
| <b>6.5 Grendel</b>     |             |             | Barrel: 24", Twist: 1-10" Primer: WIN WSR |                      |                   | Bullet Dia.: .277"      |                         |            |
| 2230                   | 85          | SIE HP      | 27.4                                      | 2,761                | 30.8              | 2,987                   | 51,700                  | 2.150      |
| 2230                   | 95          | HDY V-MAX   | 25.5                                      | 2,635                | 28.3              | 2,820                   | 51,800                  | 2.190      |
| 2230                   | 100         | NOS B-TIP   | 25.3                                      | 2,506                | 28.1              | 2,740                   | 51,600                  | 2.230      |
| 2230                   | 107         | SIE HPBT    | 24.8                                      | 2,420                | 27.8              | 2,620                   | 51,500                  | 2.260      |
| 2230                   | 120         | SIE HPBT    | 23.6                                      | 2,312                | 26.3              | 2,490                   | 51,900                  | 2.260      |

## 6.8 SPC

| Bullet Weight (Grains) | Bullet Make | Bullet Type | Start Load (Grains)                       | Start Velocity (fps) | Max Load (Grains) | Max Load Velocity (fps) | Max Load Pressure (psi) | COL (inch) |
|------------------------|-------------|-------------|---|----------------------|-------------------|-------------------------|-------------------------|------------|
| <b>6.8 SPC</b>         |             |             | Barrel: 24", Twist: 1-10" Primer: WIN WLR |                      |                   | Bullet Dia.: .277"      |                         |            |
| 2015                   | 90          | SIE HP      | 26.6                                      | 2,500                | 29.5              | 2,774                   | 55,500                  | 2.240      |
| 2015                   | 110         | HDY V-MAX   | 24.8                                      | 2,433                | 27.5              | 2,534                   | 57,800                  | 2.260      |
| 2015                   | 130         | NOS B-TIP   | 22.5                                      | 2,050                | 25.0              | 2,276                   | 58,000                  | 2.260      |
| 2230                   | 90          | SIE HP      | 27.9                                      | 2,565                | 31.0              | 2,850                   | 55,500                  | 2.240      |
| 2230                   | 110         | HDY V-MAX   | 26.6                                      | 2,356                | 29.5              | 2,620                   | 57,200                  | 2.260      |
| 2230                   | 130         | SIE SPT     | 24.3                                      | 2,140                | 27.0              | 2,375                   | 57,800                  | 2.260      |

## .270 Winchester

| Bullet Weight (Grains) | Bullet Make | Bullet Type | Start Load (Grains)                       | Start Velocity (fps) | Max Load (Grains) | Max Load Velocity (fps) | Max Load Pressure (psi) | COL (inch) |
|------------------------|-------------|-------------|---|----------------------|-------------------|-------------------------|-------------------------|------------|
| <b>.270 Winchester</b> |             |             | Barrel: 24", Twist: 1-10" Primer: WIN WLR |                      |                   | Bullet Dia.: .277"      |                         |            |
| 2700                   | 130         | NOS B-TIP   | 46.8                                      | 2,638                | 52.5              | 3,005                   | 63,400                  | 3.300      |
| 2700                   | 140         | HDY SBT     | 46.3                                      | 2,625                | 51.8              | 2,980                   | 62,500                  | 3.300      |
| 2700                   | 150         | SIE SPBT    | 46.0                                      | 2,574                | 51.0              | 2,840                   | 63,500                  | 3.300      |
| 2700                   | 160         | NOS PART    | 45.0                                      | 2,450                | 50.0              | 2,750                   | 63,500                  | 3.228      |
| 4350                   | 130         | NOS B-TIP   | 49.5                                      | 2,660                | 53.5              | 3,000                   | 63,500                  | 3.300      |
| 4350                   | 140         | HDY SBT     | 46.8                                      | 2,629                | 52.0              | 2,988                   | 63,400                  | 3.300      |
| 4350                   | 150         | SIE SBT     | 46.3                                      | 2,565                | 51.5              | 2,812                   | 63,800                  | 3.300      |
| 4350                   | 160         | NOS PART    | 46.0                                      | 2,550                | 51.0              | 2,800                   | 64,000                  | 3.228      |
| 3100                   | 130         | NOS B-TIP   | 51.3                                      | 2,640                | 57.0              | 2,940                   | 57,500                  | 3.300      |
| 3100                   | 140         | HDY SBT     | 52.2                                      | 2,598                | 56.5              | 2,791                   | 57,500                  | 3.300      |
| 3100                   | 150         | SIE SBT     | 52.2                                      | 2,547                | 56.0              | 2,769                   | 52,000                  | 3.300      |
| Magpro                 | 130         | NOS B-TIP   | 58.5                                      | 2,919                | 65.0              | 3,234                   | 63,200                  | 3.300      |
| Magpro                 | 150         | SIE SBT     | 55.4                                      | 2,725                | 61.5              | 3,000                   | 63,600                  | 3.300      |

## "The ultimate Winchester Super Short Mag powder"



### Accurate 2700

**Load Density** - The perfect combination of case capacity and powder for peak performance.

**Performance** - For maximum velocities, no other reloading powder comes close. Exceeds factory loads by as much as 200 fps.

## RIFLE

| Bullet Weight (Grains)              | Bullet Make | Bullet Type | Start Load (Grains)                        | Start Velocity (fps) | Max Load (Grains) | Max Load Velocity (fps) | Max Load Pressure (psi) | COL (inch) |
|-------------------------------------|-------------|-------------|--|----------------------|-------------------|-------------------------|-------------------------|------------|
| <b>.270 Winchester Short Magnum</b> |             |             | Barrel: 24", Twist: 1-10" Primer: WIN WLRM |                      |                   | Bullet Dia.: .277"      |                         |            |
| 4350                                | 100         | HDY SP      | 58.0                                       | 3,200                | 64.0              | 3,500                   | 64,500                  | 2.675      |
| 4350                                | 130         | SIE SPBT    | 55.6                                       | 3,063                | 61.8              | 3,256                   | 64,100                  | 2.700      |
| 4350                                | 130         | BAR TSX     | 53.0                                       | 2,888                | 59.0              | 3,192                   | 63,600                  | 2.792      |
| 4350                                | 140         | HDY BTSP    | 54.4                                       | 2,865                | 60.4              | 3,137                   | 63,300                  | 2.760      |
| 4350                                | 150         | SIE SPBT    | 52.0                                       | 2,712                | 56.0              | 2,980                   | 63,800                  | 2.760      |
| 3100                                | 130         | SIE SPBT    | 59.4                                       | 2,870                | 66.0              | 3,212                   | 60,300                  | 2.700      |
| 3100                                | 130         | BAR TSX     | 58.5                                       | 2,780                | 65.0              | 3,100                   | 55,000                  | 2.792      |
| 3100                                | 140         | HDY BTSP    | 59.0                                       | 2,811                | 65.5              | 3,135                   | 62,400                  | 2.760      |
| 3100                                | 150         | SIE SPBT    | 56.7                                       | 2,758                | 63.0              | 3,036                   | 63,200                  | 2.760      |
| Magpro                              | 130         | SIE SPBT    | 68.0                                       | 3,062                | 75.5              | 3,359                   | 61,600                  | 2.700      |
| Magpro                              | 130         | BAR TSX     | 65.3                                       | 2,925                | 72.5              | 3,250                   | 62,300                  | 2.792      |
| Magpro                              | 140         | HDY BTSP    | 66.8                                       | 2,985                | 74.2              | 3,275                   | 64,500                  | 2.760      |
| Magpro                              | 150         | SIE SPBT    | 63.0                                       | 2,864                | 70.0              | 3,136                   | 64,700                  | 2.760      |

## 7mm-08 Remington

| Bullet Weight (Grains)  | Bullet Make | Bullet Type | Start Load (Grains)                      | Start Velocity (fps) | Max Load (Grains) | Max Load Velocity (fps) | Max Load Pressure (psi) | COL (inch) |
|-------------------------|-------------|-------------|--|----------------------|-------------------|-------------------------|-------------------------|------------|
| <b>7mm-08 Remington</b> |             |             | Barrel: 24", Twist: 1-9" Primer: WIN WLR |                      |                   | Bullet Dia.: .284"      |                         |            |
| 4064                    | 100         | SIE HP      | 41.4                                     | 2,786                | 46.0              | 3,166                   | 54,870                  | 2.665      |
| 4064                    | 120         | NOS B-TIP   | 38.7                                     | 2,603                | 43.0              | 2,958                   | 56,758                  | 2.765      |
| 4064                    | 130         | SIE HPBT    | 38.2                                     | 2,502                | 42.5              | 2,844                   | 60,416                  | 2.770      |
| 4064                    | 139         | HDY SST     | 37.8                                     | 2,442                | 42.0              | 2,775                   | 58,646                  | 2.800      |
| 4064                    | 150         | SIE SBT     | 36.9                                     | 2,346                | 41.0              | 2,667                   | 58,764                  | 2.800      |
| 4064                    | 160         | NOS PART    | 36.0                                     | 2,246                | 40.0              | 2,553                   | 60,973                  | 2.800      |
| 2700                    | 100         | SIE HP      | 45.6                                     | 2,859                | 48.0              | 3,041                   | 59,826                  | 2.665      |
| 2700                    | 120         | HDY V-MAX   | 44.2                                     | 2,699                | 46.5              | 2,871                   | 58,056                  | 2.765      |
| 2700                    | 130         | SIE HPBT    | 42.8                                     | 2,612                | 45.0              | 2,779                   | 59,590                  | 2.770      |
| 2700                    | 140         | NOS B-TIP   | 42.3                                     | 2,538                | 44.5              | 2,700                   | 58,410                  | 2.800      |
| 2700                    | 150         | SIE HPBT    | 41.3                                     | 2,477                | 43.5              | 2,635                   | 60,997                  | 2.800      |
| 2700                    | 160         | NOS PART    | 39.9                                     | 2,311                | 42.0              | 2,458                   | 53,808                  | 2.800      |
| 2700                    | 168         | SIE HPBT    | 39.9                                     | 2,157                | 42.0              | 2,451                   | 55,814                  | 2.800      |
| 4350                    | 139         | HDY SST     | 42.8                                     | 2,467                | 47.5              | 2,803                   | 58,764                  | 2.800      |
| 4350                    | 150         | SIE SBT     | 41.9                                     | 2,403                | 46.5              | 2,731                   | 60,298                  | 2.800      |
| 4350                    | 160         | NOS PART    | 41.4                                     | 2,314                | 46.0              | 2,630                   | 58,292                  | 2.800      |
| 4350                    | 168         | SIE HPBT    | 41.4                                     | 2,284                | 46.0              | 2,596                   | 59,472                  | 2.800      |

## 7x57mm Mauser

| Bullet Weight (Grains) | Bullet Make | Bullet Type | Start Load (Grains)                      | Start Velocity (fps) | Max Load (Grains) | Max Load Velocity (fps) | Max Load Pressure (psi) | COL (inch) |
|------------------------|-------------|-------------|--|----------------------|-------------------|-------------------------|-------------------------|------------|
| <b>7x57mm Mauser</b>   |             |             | Barrel: 24", Twist: 1-9" Primer: FED 210 |                      |                   | Bullet Dia.: .284"      |                         |            |
| 4064                   | 120         | NOS B-TIP   | 39.1                                     | 2,498                | 43.5              | 2,838                   | 51,037                  | 2.900      |
| 4064                   | 140         | SIE SBT     | 37.8                                     | 2,361                | 42.0              | 2,683                   | 53,336                  | 3.025      |
| 4064                   | 150         | NOS B-TIP   | 36.0                                     | 2,216                | 40.0              | 2,519                   | 49,796                  | 3.060      |
| 4064                   | 160         | SIE SBT     | 35.1                                     | 2,117                | 39.0              | 2,406                   | 51,448                  | 3.020      |
| 2700                   | 120         | SIE SPT     | 47.5                                     | 2,749                | 50.0              | 2,924                   | 52,864                  | 2.900      |
| 2700                   | 139         | HDY SST     | 45.1                                     | 2,577                | 47.5              | 2,742                   | 50,504                  | 3.025      |
| 2700                   | 150         | NOS B-TIP   | 43.7                                     | 2,468                | 46.0              | 2,626                   | 50,976                  | 3.060      |
| 2700                   | 160         | SIE SBT     | 40.9                                     | 2,255                | 43.0              | 2,399                   | 46,846                  | 3.020      |
| 2700                   | 175         | HDY SP      | 40.9                                     | 2,257                | 43.0              | 2,401                   | 52,510                  | 3.040      |

## .280 Remington

| Bullet Weight (Grains) | Bullet Make | Bullet Type | Start Load (Grains)                      | Start Velocity (fps) | Max Load (Grains) | Max Load Velocity (fps) | Max Load Pressure (psi) | COL (inch) |
|------------------------|-------------|-------------|--|----------------------|-------------------|-------------------------|-------------------------|------------|
| <b>.280 Remington</b>  |             |             | Barrel: 24", Twist: 1-9" Primer: FED 210 |                      |                   | Bullet Dia.: .284"      |                         |            |
| 2700                   | 100         | SIE HP      | 53.2                                     | 3,057                | 56.0              | 3,252                   | 53,100                  | 3.150      |
| 2700                   | 120         | NOS B-TIP   | 49.9                                     | 2,821                | 52.5              | 3,001                   | 57,000                  | 3.200      |
| 4350                   | 100         | SIE HP      | 53.1                                     | 2,918                | 59.0              | 3,316                   | 55,800                  | 3.150      |
| 4350                   | 120         | SIE SPT     | 51.3                                     | 2,739                | 57.0              | 3,112                   | 57,700                  | 3.200      |
| 4350                   | 140         | BAR XLC     | 45.9                                     | 2,443                | 51.0              | 2,776                   | 55,900                  | 3.310      |
| 4350                   | 154         | HDY SP      | 48.6                                     | 2,486                | 54.0              | 2,825                   | 59,600                  | 3.330      |
| 4350                   | 160         | NOS PART    | 46.8                                     | 2,413                | 52.0              | 2,742                   | 58,200                  | 3.300      |
| 3100                   | 154         | HDY SST     | 52.2                                     | 2,457                | 58.0              | 2,792                   | 54,500                  | 3.330      |
| 3100                   | 160         | NOS PART    | 51.8                                     | 2,442                | 57.5              | 2,775                   | 56,100                  | 3.300      |
| 3100                   | 168         | SIE HPBT    | 51.3                                     | 2,396                | 57.0              | 2,723                   | 56,300                  | 3.300      |
| 3100                   | 175         | HDY SP      | 51.3                                     | 2,359                | 57.0              | 2,681                   | 58,900                  | 3.300      |



### RIFLE

### RIFLE

| Bullet Weight (Grains)                         | Bullet Make | Bullet Type | Start Load (Grains) | Start Velocity (fps) | Max Load (Grains) | Max Load Velocity (fps) | Max Load Pressure (psi) | COL (inch) |
|--|-------------|-------------|---------------------|----------------------|-------------------|-------------------------|-------------------------|------------|
| <b>7mm Remington Short Action Ultra Magnum</b> |             |             |                     |                      |                   |                         |                         |            |
| Barrel: 24", Twist: 1-9.5" Primer: FED 215     |             |             | Bullet Dia.: .284"  |                      |                   |                         |                         |            |
| 2700   | 140         | SIE SPBT    | 53.0                | 2,750                | 59.0              | 3,000                   | 64,100                  | 2.800      |
| 2700   | 154         | HDY SP      | 51.5                | 2,620                | 57.5              | 2,890                   | 62,000                  | 2.825      |
| 2700   | 160         | SIE HPBT    | 50.0                | 2,520                | 55.5              | 2,780                   | 62,900                  | 2.800      |
| 4350   | 140         | SIE SPBT    | 54.0                | 2,840                | 60.0              | 3,130                   | 63,500                  | 2.800      |
| 4350   | 154         | HDY SP      | 52.5                | 2,750                | 58.0              | 3,005                   | 63,500                  | 2.825      |
| 4350   | 160         | SIE HPBT    | 51.0                | 2,670                | 56.5              | 2,930                   | 63,100                  | 2.800      |
| 4350   | 175         | SIE SPBT    | 49.5                | 2,550                | 55.0              | 2,800                   | 62,500                  | 2.820      |
| 3100   | 160         | SIE HPBT    | 56.0                | 2,600                | 62.0              | 2,920                   | 62,500                  | 2.800      |
| 3100   | 175         | SIE SPBT    | 54.0                | 2,500                | 60.0              | 2,770                   | 59,500                  | 2.820      |
| Magpro   | 160         | SIE HPBT    | 60.0                | 2,700                | 66.0              | 3,020                   | 60,000                  | 2.800      |
| Magpro   | 175         | SIE SPBT    | 58.0                | 2,590                | 64.0              | 2,900                   | 60,200                  | 2.820      |

| Bullet Weight (Grains)                    | Bullet Make | Bullet Type | Start Load (Grains) | Start Velocity (fps) | Max Load (Grains) | Max Load Velocity (fps) | Max Load Pressure (psi) | COL (inch) |
|---|-------------|-------------|---------------------|----------------------|-------------------|-------------------------|-------------------------|------------|
| <b>7mm Winchester Short Magnum</b>        |             |             |                     |                      |                   |                         |                         |            |
| Barrel: 24", Twist: 1-9" Primer: WIN WLRM |             |             | Bullet Dia.: .284"  |                      |                   |                         |                         |            |
| 5744*                                     | 160         | SIE HPBT    | 26.5                | 1,519                | 29.4              | 2,120                   | 33,600                  | 2.760      |
| 4350                                      | 120         | HDY HP      | 60.3                | 3,153                | 67.0              | 3,423                   | 63,400                  | 2.760      |
| 4350                                      | 140         | SIE SPBT    | 58.7                | 3,013                | 65.2              | 3,232                   | 63,500                  | 2.760      |
| 4350                                      | 154         | HDY SP      | 54.9                | 2,836                | 61.0              | 3,026                   | 62,900                  | 2.760      |
| 4350                                      | 160         | SIE HPBT    | 54.7                | 2,737                | 60.8              | 2,969                   | 62,200                  | 2.760      |
| 4350                                      | 175         | SIE SPBT    | 50.4                | 2,555                | 56.0              | 2,785                   | 62,700                  | 2.760      |
| 3100                                      | 120         | HDY HP      | 61.9                | 3,036                | 68.8              | 3,367                   | 63,100                  | 2.760      |
| 3100                                      | 140         | SIE SPBT    | 60.8                | 2,881                | 67.5              | 3,194                   | 63,000                  | 2.760      |
| 3100                                      | 154         | HDY SP      | 59.4                | 2,803                | 66.0              | 3,060                   | 63,300                  | 2.760      |
| 3100                                      | 160         | SIE HPBT    | 57.6                | 2,749                | 64.0              | 3,000                   | 63,500                  | 2.760      |
| 3100                                      | 175         | SIE SPBT    | 56.9                | 2,720                | 63.2              | 2,987                   | 63,400                  | 2.760      |
| Magpro                                    | 120         | HDY HP      | 69.7                | 3,138                | 77.5              | 3,419                   | 56,800                  | 2.760      |
| Magpro                                    | 140         | SIE SPBT    | 68.1                | 3,001                | 75.7              | 3,272                   | 59,900                  | 2.760      |
| Magpro                                    | 154         | HDY SP      | 66.1                | 2,808                | 73.4              | 3,107                   | 59,500                  | 2.760      |
| Magpro                                    | 160         | SIE HPBT    | 64.8                | 2,820                | 72.0              | 3,063                   | 60,200                  | 2.760      |
| Magpro                                    | 175         | SIE SPBT    | 64.0                | 2,729                | 71.1              | 2,966                   | 61,700                  | 2.760      |

\*Caution, Reduced Load

| Bullet Weight (Grains)                      | Bullet Make | Bullet Type | Start Load (Grains) | Start Velocity (fps) | Max Load (Grains) | Max Load Velocity (fps) | Max Load Pressure (psi) | COL (inch) |
|---|-------------|-------------|---------------------|----------------------|-------------------|-------------------------|-------------------------|------------|
| <b>7mm Remington Magnum</b>                 |             |             |                     |                      |                   |                         |                         |            |
| Barrel: 24", Twist: 1-9" Primer: REM 9 1/2M |             |             | Bullet Dia.: .284"  |                      |                   |                         |                         |            |
| 4350  | 100         | HDY HP      | 60.3                | 2,944                | 67.0              | 3,345                   | 60,300                  | 3.280      |
| 4350  | 120         | NOS B-TIP   | 56.7                | 2,829                | 63.0              | 3,215                   | 57,800                  | 3.260      |
| 4350  | 130         | SIE HPBT    | 55.8                | 2,735                | 62.0              | 3,108                   | 58,400                  | 3.245      |
| 4350  | 139         | HDY SST     | 54.9                | 2,665                | 61.0              | 3,028                   | 54,900                  | 3.270      |
| 3100  | 100         | HDY HP      | 65.3                | 2,964                | 72.5              | 3,368                   | 58,800                  | 3.280      |
| 3100  | 120         | NOS B-TIP   | 64.2                | 2,926                | 71.3              | 3,325                   | 59,900                  | 3.260      |
| 3100  | 130         | SIE HPBT    | 61.0                | 2,776                | 67.8              | 3,155                   | 59,000                  | 3.245      |
| 3100  | 139         | HDY SST     | 61.2                | 2,721                | 68.0              | 3,092                   | 58,200                  | 3.270      |
| 3100  | 150         | NOS B-TIP   | 59.4                | 2,643                | 66.0              | 3,003                   | 60,200                  | 3.280      |
| 3100  | 160         | SIE SBT     | 57.2                | 2,512                | 63.5              | 2,855                   | 59,000                  | 3.280      |
| 3100  | 168         | SIE HPBT    | 55.8                | 2,442                | 62.0              | 2,775                   | 57,900                  | 3.280      |
| 3100  | 175         | HDY SP      | 54.5                | 2,376                | 60.5              | 2,700                   | 59,700                  | 3.275      |
| 3100  | 195         | BAR SP      | 52.7                | 2,233                | 58.5              | 2,538                   | 59,800                  | 3.275      |
| Magpro                                      | 140         | NOS B-TIP   | 66.3                | 2,952                | 73.7              | 3,220                   | 60,300                  | 3.270      |
| Magpro                                      | 160         | SIE SBT     | 61.7                | 2,737                | 68.6              | 3,000                   | 60,400                  | 3.280      |
| Magpro                                      | 175         | HDY SP      | 59.5                | 2,640                | 66.0              | 2,854                   | 61,300                  | 3.275      |

| Bullet Weight (Grains)                    | Bullet Make | Bullet Type | Start Load (Grains) | Start Velocity (fps) | Max Load (Grains) | Max Load Velocity (fps) | Max Load Pressure (psi) | COL (inch) |
|---|-------------|-------------|---------------------|----------------------|-------------------|-------------------------|-------------------------|------------|
| <b>7mm STW (Shooting Times Westerner)</b> |             |             |                     |                      |                   |                         |                         |            |
| Barrel: 24", Twist: 1-9" Primer: FED 215  |             |             | Bullet Dia.: .284"  |                      |                   |                         |                         |            |
| 3100                                      | 140         | BAR X       | 65.7                | 2,776                | 73.0              | 3,155                   | 62,400                  | 3.600      |
| 3100                                      | 150         | NOS B-TIP   | 65.7                | 2,736                | 73.0              | 3,109                   | 64,400                  | 3.600      |
| 3100                                      | 160         | BAR X       | 64.8                | 2,607                | 72.0              | 2,963                   | 62,500                  | 3.600      |
| 3100                                      | 160         | NOS Part    | 65.7                | 2,707                | 73.0              | 3,076                   | 64,600                  | 3.600      |
| 3100                                      | 175         | HDY SP      | 66.6                | 2,559                | 74.0              | 2,908                   | 57,800                  | 3.600      |
| 8700                                      | 140         | BAR X       | 84.6                | 2,876                | 94.0              | 3,268                   | 64,700                  | 3.600      |
| 8700                                      | 150         | NOS B-TIP   | 84.6                | 2,845                | 94.0              | 3,233                   | 64,400                  | 3.600      |
| 8700                                      | 160         | BAR X       | 83.7                | 2,746                | 93.0              | 3,120                   | 61,300                  | 3.600      |
| 8700                                      | 160         | NOS PART    | 83.7                | 2,796                | 93.0              | 3,177                   | 62,600                  | 3.600      |
| 8700                                      | 175         | HDY SP      | 83.7                | 2,681                | 93.0              | 3,047                   | 60,500                  | 3.600      |

| Bullet Weight (Grains)                    | Bullet Make | Bullet Type   | Start Load (Grains) | Start Velocity (fps) | Max Load (Grains) | Max Load Velocity (fps) | Max Load Pressure (psi) | COL (inch) |
|---|-------------|---------------|---------------------|----------------------|-------------------|-------------------------|-------------------------|------------|
| <b>.30-30 Winchester</b>                  |             |               |                     |                      |                   |                         |                         |            |
| Barrel: 24", Twist: 1-12" Primer: WIN WLR |             |               | Bullet Dia.: .308"  |                      |                   |                         |                         |            |
| 5744                                      | 170         | LC RNFP(L)    | 19.8                | 1,791                | 22.0              | 2,035                   | 32,800                  | 2.550      |
| 5744                                      | 190         | LYM 311644(L) | 20.0                | 1,754                | 22.0              | 1,953                   | 35,300                  | 2.800      |
| 2460                                      | 170         | LC RNFP(L)    | 24.8                | 1,775                | 27.5              | 2,017                   | 28,300                  | 2.550      |
| 2460                                      | 190         | LYM 311644(L) | 24.3                | 1,785                | 27.0              | 2,028                   | 37,500                  | 2.800      |
| 2460                                      | 110         | HDY RN        | 33.3                | 2,369                | 37.0              | 2,692                   | 37,400                  | 2.440      |
| 2460                                      | 150         | SIE FN        | 29.3                | 2,015                | 32.5              | 2,290                   | 40,200                  | 2.540      |
| 2460                                      | 170         | NOS RN        | 27.2                | 1,864                | 30.2              | 2,118                   | 39,900                  | 2.545      |
| 2495                                      | 170         | LC RNFP(L)    | 24.8                | 1,771                | 27.5              | 2,013                   | 35,100                  | 2.550      |
| 2495                                      | 190         | LYM 311644(L) | 24.7                | 1,707                | 27.5              | 1,940                   | 30,600                  | 2.800      |
| 2495                                      | 110         | HDY RN        | 33.3                | 2,375                | 37.0              | 2,699                   | 41,000                  | 2.440      |
| 2495                                      | 150         | SIE FN        | 27.5                | 1,960                | 30.5              | 2,227                   | 40,600                  | 2.540      |
| 2520                                      | 170         | LC RNFP(L)    | 25.7                | 1,807                | 28.5              | 2,053                   | 29,300                  | 2.550      |
| 2520                                      | 190         | LYM 311644(L) | 25.6                | 1,805                | 28.5              | 2,051                   | 36,300                  | 2.800      |
| 2520                                      | 110         | HDY RN        | 34.2                | 2,366                | 38.0              | 2,689                   | 35,700                  | 2.440      |
| 2520                                      | 150         | SIE FN        | 30.2                | 2,046                | 33.5              | 2,325                   | 38,800                  | 2.540      |
| 2520                                      | 170         | SIE FN        | 28.4                | 1,874                | 31.5              | 2,129                   | 38,400                  | 2.545      |
| 4064                                      | 170         | LC RNFP(L)    | 27.0                | 1,777                | 30.0              | 2,020                   | 28,600                  | 2.550      |
| 4064                                      | 125         | SIE FNHP      | 34.2                | 2,225                | 38.0              | 2,529                   | 39,600                  | 2.430      |
| 4064                                      | 150         | SIE FN        | 29.7                | 1,975                | 33.0              | 2,245                   | 40,500                  | 2.540      |
| 4064                                      | 170         | NOS RN        | 27.0                | 1,757                | 30.0              | 1,997                   | 39,900                  | 2.545      |

| Bullet Weight (Grains)                    | Bullet Make | Bullet Type | Start Load (Grains) | Start Velocity (fps) | Max Load (Grains) | Max Load Velocity (fps) | Max Load Pressure (psi) | COL (inch) |
|---|-------------|-------------|---------------------|----------------------|-------------------|-------------------------|-------------------------|------------|
| <b>.308 Winchester</b>                    |             |             |                     |                      |                   |                         |                         |            |
| Barrel: 24", Twist: 1-12" Primer: FED 210 |             |             | Bullet Dia.: .308"  |                      |                   |                         |                         |            |
| 2460                                      | 125         | NOS B-TIP   | 42.3                | 2,652                | 47.0              | 3,014                   | 57,348                  | 2.780      |
| 2460                                      | 150         | HDY SST     | 40.5                | 2,433                | 45.0              | 2,765                   | 57,230                  | 2.745      |
| 2460                                      | 168         | SIE HPBT    | 38.3                | 2,289                | 42.5              | 2,601                   | 57,348                  | 2.800      |
| 2460                                      | 175         | SIE HPBT    | 36.4                | 2,242                | 40.5              | 2,548                   | 58,500                  | 2.800      |
| 2460                                      | 180         | NOS B-TIP   | 37.4                | 2,177                | 41.5              | 2,474                   | 58,410                  | 2.800      |
| 2495                                      | 150         | HDY SP      | 41.4                | 2,469                | 46.0              | 2,806                   | 56,522                  | 2.745      |
| 2495                                      | 168         | SIE HPBT    | 40.1                | 2,336                | 44.5              | 2,654                   | 56,522                  | 2.800      |
| 2495                                      | 175         | SIE HPBT    | 37.3                | 2,272                | 41.5              | 2,582                   | 58,800                  | 2.800      |
| 2495                                      | 180         | NOS B-TIP   | 38.7                | 2,281                | 43.0              | 2,592                   | 59,944                  | 2.800      |
| 2495                                      | 190         | SIE HPBT    | 36.0                | 2,108                | 40.0              | 2,395                   | 53,454                  | 2.800      |
| 2520                                      | 150         | HDY SST     | 41.9                | 2,472                | 46.5              | 2,809                   | 57,466                  | 2.745      |
| 2520                                      | 168         | SIE HPBT    | 40.5                | 2,387                | 45.0              | 2,712                   | 59,236                  | 2.800      |
| 2520                                      | 175         | SIE HPBT    | 37.8                | 2,285                | 42.0              | 2,597                   | 61,000                  | 2.800      |
| 2520                                      | 180         | NOS B-TIP   | 40.1                | 2,302                | 44.5              | 2,616                   | 58,056                  | 2.800      |
| 2520                                      | 190         | SIE HPBT    | 37.4                | 2,128                | 41.5              | 2,418                   | 55,578                  | 2.800      |
| 4064                                      | 150         | HDY SST     | 40.9                | 2,428                | 45.5              | 2,760                   | 54,870                  | 2.745      |
| 4064                                      | 168         | SIE HPBT    | 38.7                | 2,262                | 43.0              | 2,571                   | 50,740                  | 2.800      |
| 4064                                      | 175         | SIE HPBT    | 39.1                | 2,303                | 43.5              | 2,618                   | 59,300                  | 2.800      |
| 4064                                      | 180         | NOS B-TIP   | 37.8                | 2,170                | 42.0              | 2,466                   | 51,684                  | 2.800      |
| 4064                                      | 190         | SIE HPBT    | 36.9                | 2,125                | 41.0              | 2,415                   | 52,746                  | 2.800      |

| Bullet Weight (Grains)                    | Bullet Make | Bullet Type   | Start Load (Grains) | Start Velocity (fps) | Max Load (Grains) | Max Load Velocity (fps) | Max Load Pressure (psi) | COL (inch) |
|---|-------------|---------------|---------------------|----------------------|-------------------|-------------------------|-------------------------|------------|
| <b>.30-06 Springfield</b>                 |             |               |                     |                      |                   |                         |                         |            |
| Barrel: 24", Twist: 1-10" Primer: WIN WLR |             |               | Bullet Dia.: .308"  |                      |                   |                         |                         |            |
| 4064                                      | 180         | LYM 311322(L) | 40.5                | 2,148                | 45.0              | 2,441                   | 36,000                  | 3.015      |
| 4064                                      | 200         | LC RINGC(L)   | 38.7                | 2,027                | 43.0              | 2,304                   | 43,900                  | 3.195      |
| 4064                                      | 125         | NOS B-TIP     | 51.3                | 2,891                | 57.0              | 3,286                   | 56,400                  | 3.310      |
| 4064                                      | 130         | SIE SBT       | 48.6                | 2,785                | 54.0              | 3,165                   | 57,000                  | 3.185      |
| 4064                                      | 150         | HDY SST       | 47.2                | 2,648                | 52.5              | 3,010                   | 58,900                  | 3.335      |
| 4064                                      | 165         | BAR X         | 46.3                | 2,487                | 51.5              | 2,827                   | 57,900                  | 3.245      |
| 4064                                      | 180         | SIE HPBT      | 43.6                | 2,379                | 48.5              | 2,704                   | 58,300                  | 3.290      |
| 2700                                      | 180         | LYM 311322(L) | 41.4                | 2,078                | 46.0              | 2,361                   | 38,900                  | 3.015      |
| 2700                                      | 200         | LC RINGC(L)   | 39.6                | 1,932                | 44.0              | 2,196                   | 42,000                  | 3.195      |
| 2700                                      | 125         | SIE SPT       | 55.8                | 2,812                | 62.0              | 3,195                   | 56,300                  | 3.150      |
| 2700                                      | 130         | HDY SP        | 54.9                | 2,750                | 61.0              | 3,125                   | 55,500                  | 3.150      |
| 2700                                      | 150         | SIE SBT       | 53.1                | 2,580                | 59.0              | 2,932                   | 54,900                  | 3.250      |
| 2700                                      | 150         | BAR X         | 51.3                | 2,544                | 57.0              | 2,891                   | 57,900                  | 3.285      |
| 2700                                      | 165         | BAR X         | 48.6                | 2,382                | 54.0              | 2,707                   | 58,500                  | 3.245      |
| 2700                                      | 168         | SIE HPBT      | 48.6                | 2,404                | 54.0              | 2,732                   | 57,700                  | 3.295      |
| 2700                                      | 180         | SIE HPBT      | 49.5                | 2,328                | 55.0              | 2,646                   | 56,000                  | 3.290      |
| 2700                                      | 190         | SIE HPBT      | 46.8                | 2,217                | 52.0              | 2,519                   | 53,700                  | 3.325      |
| 2700                                      | 200         | NOS PART      | 46.4                | 2,148                | 51.5              | 2,441                   | 53,900                  | 3.295      |
| 2700                                      | 220         | SIE RN        | 44.6                | 2,048                | 49.5              | 2,327                   | 58,200                  | 3.200      |
| 4350                                      | 165         | BAR X         | 51.3                | 2,428                | 57.0              | 2,759                   | 56,300                  | 3.245      |
| 4350                                      | 175         | SIE HPBT      | 51.3                | 2,486                | 57.0              | 2,825                   | 56,300                  | 3.290      |
| 4350                                      | 180         | SIE HPBT      | 51.3                | 2,389                | 57.0              | 2,715                   | 56,400                  | 3.290      |
| 4350                                      | 190         | SIE HPBT      | 50.0                | 2,343                | 55.5              | 2,663                   | 60,000                  | 3.325      |
| 4350                                      | 200         | NOS PART      | 49.5                | 2,261                | 55.0              | 2,569                   | 58,800                  | 3.295      |
| 4350                                      | 220         | SIE RN        | 49.5                | 2,171                | 55.0              | 2,467                   |                         |            |

# ACCURATE POWDERS



## RIFLE

| Bullet Weight (Grains)                          | Bullet Make | Bullet Type  | Start Load (Grains) | Start Velocity (fps) | Max Load (Grains) | Max Load Velocity (fps) | Max Load Pressure (psi) | COL (inch) |
|---|-------------|--------------|---------------------|----------------------|-------------------|-------------------------|-------------------------|------------|
| <b>.300 Remington Short Action Ultra Magnum</b> |             |              |                     |                      |                   |                         |                         |            |
| Barrel: 24", Twist: 1-10"                       |             |              | Primer: FED 210     |                      |                   | Bullet Dia.: .308"      |                         |            |
| 5744*   | 165         | HDY SP       | 20.4                | 1,527                | 30.5              | 2,120                   | 29,700                  | 2.680      |
| 4064  | 150         | HDY BTSP     | 55.0                | 2,874                | 61.0              | 3,200                   | 64,500                  | 2.800      |
| 4064  | 165         | SIE SPBT     | 53.6                | 2,770                | 59.5              | 3,062                   | 64,600                  | 2.800      |
| 4064  | 180         | SWF Sirocco  | 50.0                | 2,622                | 55.5              | 2,870                   | 63,900                  | 2.800      |
| 2700  | 150         | HDY BTSP     | 60.0                | 2,940                | 67.0              | 3,212                   | 64,700                  | 2.800      |
| 2700  | 165         | SIE SPBT     | 58.7                | 2,794                | 65.2              | 3,126                   | 64,400                  | 2.800      |
| 2700  | 180         | SWF Sirocco  | 54.5                | 2,676                | 60.5              | 2,954                   | 64,600                  | 2.800      |
| 2700  | 200         | NOS Accubond | 52.0                | 2,480                | 58.0              | 2,800                   | 64,300                  | 2.800      |

\*Caution, Reduced Load

## .300 H&H Magnum

| Bullet Weight (Grains)     | Bullet Make | Bullet Type | Start Load (Grains) | Start Velocity (fps) | Max Load (Grains) | Max Load Velocity (fps) | Max Load Pressure (psi) | COL (inch) |
|----------------------------|-------------|-------------|---------------------|----------------------|-------------------|-------------------------|-------------------------|------------|
| <b>.300 H&amp;H Magnum</b> |             |             |                     |                      |                   |                         |                         |            |
| Barrel: 24", Twist: 1-10"  |             |             | Primer: WIN WLRM    |                      |                   | Bullet Dia.: .308"      |                         |            |
| 4350                       | 150         | HDY SST     | 67.5                | 2,932                | 75.0              | 3,332                   | 62,540                  | 3.555      |
| 4350                       | 150         | NOS BT      | 66.6                | 2,992                | 74.0              | 3,400                   | 63,720                  | 3.600      |
| 4350                       | 165         | BAR X       | 64.8                | 2,762                | 72.0              | 3,139                   | 63,720                  | 3.600      |
| 4350                       | 180         | SIE SPT     | 64.4                | 2,700                | 71.5              | 3,068                   | 63,720                  | 3.600      |
| 3100                       | 150         | HDY SST     | 69.3                | 2,801                | 77.0              | 3,183                   | 63,720                  | 3.555      |
| 3100                       | 165         | NOS B-TIP   | 69.3                | 2,736                | 77.0              | 3,109                   | 63,720                  | 3.520      |
| 3100                       | 180         | SIE SP      | 65.7                | 2,611                | 73.0              | 2,967                   | 63,484                  | 3.600      |
| 3100                       | 200         | SIE SBT     | 62.1                | 2,468                | 69.0              | 2,805                   | 62,894                  | 3.665      |
| 3100                       | 220         | HDY RN      | 63.9                | 2,413                | 71.0              | 2,743                   | 62,894                  | 3.590      |

## .300 Winchester Short Magnum

| Bullet Weight (Grains)              | Bullet Make | Bullet Type | Start Load (Grains) | Start Velocity (fps) | Max Load (Grains) | Max Load Velocity (fps) | Max Load Pressure (psi) | COL (inch) |
|-------------------------------------|-------------|-------------|---------------------|----------------------|-------------------|-------------------------|-------------------------|------------|
| <b>.300 Winchester Short Magnum</b> |             |             |                     |                      |                   |                         |                         |            |
| Barrel: 24", Twist: 1-10"           |             |             | Primer: WIN WLRM    |                      |                   | Bullet Dia.: .308"      |                         |            |
| 5744*                               | 165         | NOS B-TIP   | 27.5                | 1,864                | 30.5              | 2,071                   | 27,900                  | 2.800      |
| 2700                                | 150         | HDY BTSP    | 61.0                | 2,900                | 68.0              | 3,220                   | 62,500                  | 2.800      |
| 2700                                | 165         | SIE HPBT    | 59.2                | 2,777                | 65.8              | 3,085                   | 61,300                  | 2.800      |
| 2700                                | 180         | SIE SPBT    | 58.5                | 2,683                | 65.0              | 2,981                   | 61,100                  | 2.800      |
| 2700                                | 200         | NOS PART    | 55.8                | 2,514                | 62.0              | 2,793                   | 60,600                  | 2.800      |
| 4350                                | 150         | HDY BTSP    | 63.5                | 2,950                | 70.8              | 3,285                   | 63,500                  | 2.800      |
| 4350                                | 165         | SIE HPBT    | 61.2                | 2,823                | 68.0              | 3,137                   | 61,800                  | 2.800      |
| 4350                                | 180         | SIE SPBT    | 60.3                | 2,722                | 67.0              | 3,024                   | 61,300                  | 2.800      |
| 4350                                | 200         | NOS PART    | 56.7                | 2,540                | 63.0              | 2,822                   | 60,800                  | 2.800      |
| Magpro                              | 150         | HDY BTSP    | 71.7                | 2,925                | 79.8              | 3,285                   | 61,800                  | 2.800      |
| Magpro                              | 165         | SIE HPBT    | 70.2                | 2,828                | 78.0              | 3,223                   | 64,800                  | 2.800      |
| Magpro                              | 180         | SIE SPBT    | 68.3                | 2,733                | 76.0              | 3,028                   | 60,000                  | 2.800      |

\*Caution, Reduced Load

## .300 Winchester Magnum

| Bullet Weight (Grains)        | Bullet Make | Bullet Type | Start Load (Grains) | Start Velocity (fps) | Max Load (Grains) | Max Load Velocity (fps) | Max Load Pressure (psi) | COL (inch) |
|-------------------------------|-------------|-------------|---------------------|----------------------|-------------------|-------------------------|-------------------------|------------|
| <b>.300 Winchester Magnum</b> |             |             |                     |                      |                   |                         |                         |            |
| Barrel: 24", Twist: 1-10"     |             |             | Primer: FED 215     |                      |                   | Bullet Dia.: .308"      |                         |            |
| 4350                          | 110         | SIE HP      | 71.6                | 3,116                | 79.5              | 3,541                   | 55,600                  | 3.170      |
| 4350                          | 125         | NOS B-TIP   | 70.7                | 3,047                | 78.5              | 3,462                   | 58,200                  | 3.250      |
| 4350                          | 130         | HDY SP      | 69.3                | 2,973                | 77.0              | 3,378                   | 60,000                  | 3.300      |
| 4350                          | 150         | SIE SP      | 65.7                | 2,767                | 73.0              | 3,144                   | 59,400                  | 3.380      |
| 4350                          | 168         | SIE HPBT    | 66.6                | 2,774                | 74.0              | 3,153                   | 60,062                  | 3.475      |
| 4350                          | 180         | NOS B-TIP   | 64.8                | 2,680                | 72.0              | 3,046                   | 60,888                  | 3.450      |
| 4350                          | 180         | SWF SP      | 66.1                | 2,720                | 73.5              | 3,092                   | 62,304                  | 3.315      |
| 4350                          | 190         | SIE HPBT    | 61.6                | 2,550                | 68.5              | 2,898                   | 60,062                  | 3.450      |
| 3100                          | 150         | BAR X       | 72.0                | 2,903                | 80.0              | 3,299                   | 62,186                  | 3.400      |
| 3100                          | 168         | HDY A-MAX   | 72.0                | 2,816                | 80.0              | 3,200                   | 62,068                  | 3.475      |
| 3100                          | 180         | SIE HPBT    | 69.3                | 2,708                | 77.0              | 3,078                   | 60,652                  | 3.450      |
| 3100                          | 190         | HDY BTSP    | 66.6                | 2,555                | 74.0              | 2,904                   | 58,764                  | 3.450      |
| 3100                          | 200         | SIE SBT     | 64.8                | 2,457                | 72.0              | 2,793                   | 56,876                  | 3.340      |
| 3100                          | 200         | NOS PART    | 66.6                | 2,531                | 74.0              | 2,877                   | 59,472                  | 3.340      |
| 3100                          | 220         | SIE HPBT    | 63.4                | 2,368                | 70.5              | 2,691                   | 60,062                  | 3.300      |
| 3100                          | 240         | SIE HPBT    | 62.5                | 2,302                | 69.5              | 2,617                   | 63,838                  | 3.300      |

## .300 Weatherby Magnum

| Bullet Weight (Grains)       | Bullet Make | Bullet Type | Start Load (Grains) | Start Velocity (fps) | Max Load (Grains) | Max Load Velocity (fps) | Max Load Pressure (psi) | COL (inch) |
|------------------------------|-------------|-------------|---------------------|----------------------|-------------------|-------------------------|-------------------------|------------|
| <b>.300 Weatherby Magnum</b> |             |             |                     |                      |                   |                         |                         |            |
| Barrel: 24", Twist: 1-10"    |             |             | Primer: FED 215     |                      |                   | Bullet Dia.: .308"      |                         |            |
| 3100                         | 150         | BAR X       | 76.5                | 2,911                | 85.0              | 3,308                   | 60,400                  | 3.560      |
| 3100                         | 165         | BAR X       | 76.5                | 2,845                | 85.0              | 3,233                   | 63,700                  | 3.555      |
| 3100                         | 180         | NOS B-TIP   | 73.8                | 2,761                | 82.0              | 3,137                   | 64,300                  | 3.560      |
| 3100                         | 200         | NOS PART    | 72.0                | 2,629                | 80.0              | 2,987                   | 63,800                  | 3.555      |
| 3100                         | 220         | SIE HPBT    | 69.3                | 2,473                | 77.0              | 2,810                   | 63,900                  | 3.530      |
| 8700                         | 150         | BAR X       | 83.7                | 2,575                | 93.0              | 2,926                   | 44,900                  | 3.560      |
| 8700                         | 165         | BAR X       | 84.6                | 2,517                | 94.0              | 2,860                   | 44,500                  | 3.555      |
| 8700                         | 180         | NOS B-TIP   | 83.7                | 2,495                | 93.0              | 2,835                   | 45,200                  | 3.560      |
| 8700                         | 180         | WIN FS      | 84.6                | 2,520                | 94.0              | 2,864                   | 48,900                  | 3.560      |

## RIFLE

| Bullet Weight (Grains)             | Bullet Make | Bullet Type | Start Load (Grains) | Start Velocity (fps) | Max Load (Grains) | Max Load Velocity (fps) | Max Load Pressure (psi) | COL (inch) |
|------------------------------------|-------------|-------------|---------------------|----------------------|-------------------|-------------------------|-------------------------|------------|
| <b>.300 Remington Ultra Magnum</b> |             |             |                     |                      |                   |                         |                         |            |
| Barrel: 24", Twist: 1-10"          |             |             | Primer: FED 215     |                      |                   | Bullet Dia.: .308"      |                         |            |
| 3100                               | 150         | BAR X       | 80.1                | 2,974                | 89.0              | 3,380                   | 58,900                  | 3.600      |
| 3100                               | 165         | SWF AF      | 82.8                | 2,953                | 92.0              | 3,356                   | 61,800                  | 3.550      |
| 3100                               | 180         | HDY SPBT    | 80.1                | 2,865                | 89.0              | 3,256                   | 63,700                  | 3.600      |
| 3100                               | 180         | NOS Part    | 80.1                | 2,826                | 89.0              | 3,212                   | 62,900                  | 3.600      |
| 3100                               | 180         | BAR X       | 77.4                | 2,750                | 86.0              | 3,126                   | 60,600                  | 3.600      |
| 3100                               | 200         | SWF AF      | 75.4                | 2,655                | 86.0              | 3,018                   | 60,600                  | 3.550      |
| 3100                               | 220         | SIE RN      | 74.7                | 2,535                | 83.0              | 2,881                   | 63,800                  | 3.570      |
| Magpro                             | 165         | NOS PART    | 86.0                | 3,115                | 96.5              | 3,402                   | 63,700                  | 3.550      |
| 8700                               | 180         | NOS PART    | 101.7               | 2,924                | 113.0             | 3,323                   | 62,400                  | 3.600      |
| 8700                               | 180         | BAR X       | 101.7               | 2,891                | 113.0             | 3,286                   | 62,000                  | 3.600      |
| 8700                               | 200         | SWF AF      | 99.0                | 2,741                | 111.0             | 3,115                   | 59,200                  | 3.550      |
| 8700                               | 220         | SIE RN      | 95.4                | 2,614                | 106.0             | 2,970                   | 62,200                  | 3.570      |

## 8x57mm JS Mauser

| Bullet Weight (Grains)    | Bullet Make | Bullet Type | Start Load (Grains) | Start Velocity (fps) | Max Load (Grains) | Max Load Velocity (fps) | Max Load Pressure (psi) | COL (inch) |
|---------------------------|-------------|-------------|---------------------|----------------------|-------------------|-------------------------|-------------------------|------------|
| <b>8x57mm JS Mauser</b>   |             |             |                     |                      |                   |                         |                         |            |
| Barrel: 24", Twist: 1-10" |             |             | Primer: WIN WLR     |                      |                   | Bullet Dia.: .323"      |                         |            |
| 2460                      | 125         | HDY SP      | 50.0                | 2,845                | 55.5              | 3,233                   | 56,600                  | 2.880      |
| 2460                      | 150         | SIE SPT     | 45.9                | 2,557                | 51.0              | 2,906                   | 53,700                  | 2.940      |
| 2460                      | 170         | HDY RN      | 44.1                | 2,401                | 49.0              | 2,728                   | 55,600                  | 2.855      |
| 2520                      | 150         | SIE SBT     | 47.3                | 2,600                | 52.5              | 2,955                   | 55,800                  | 2.940      |
| 2520                      | 170         | HDY RN      | 45.0                | 2,439                | 50.0              | 2,752                   | 57,500                  | 2.855      |
| 2520                      | 220         | HDY SP      | 40.5                | 2,069                | 45.0              | 2,351                   | 55,600                  | 2.990      |

## .325 Winchester Short Magnum

| Bullet Weight (Grains)              | Bullet Make | Bullet Type | Start Load (Grains) | Start Velocity (fps) | Max Load (Grains) | Max Load Velocity (fps) | Max Load Pressure (psi) | COL (inch) |
|-------------------------------------|-------------|-------------|---------------------|----------------------|-------------------|-------------------------|-------------------------|------------|
| <b>.325 Winchester Short Magnum</b> |             |             |                     |                      |                   |                         |                         |            |
| Barrel: 24", Twist: 1-10"           |             |             | Primer: WIN WLRM    |                      |                   | Bullet Dia.: .323"      |                         |            |
| 4064                                | 180         | NOS B-TIP   | 54.5                | 2,636                | 60.5              | 2,929                   | 62,900                  | 2.800      |
| 4064                                | 200         | SIE HPBT    | 52.0                | 2,500                | 58.0              | 2,720                   | 62,000                  | 2.827      |
| 4064                                | 220         | SIE SBT     | 51.3                | 2,354                | 57.0              | 2,615                   | 63,300                  | 2.800      |
| 2700                                | 180         | NOS B-TIP   | 61.7                | 2,755                | 68.5              | 3,061                   | 63,500                  | 2.800      |
| 2700                                | 200         | SIE HPBT    | 59.4                | 2,550                | 66.0              | 2,800                   | 62,500                  | 2.827      |
| 2700                                | 220         | SIE SBT     | 57.6                | 2,476                | 64.0              | 2,751                   | 60,400                  | 2.800      |

## 8mm Remington Magnum

| Bullet Weight (Grains)      | Bullet Make | Bullet Type | Start Load (Grains) | Start Velocity (fps) | Max Load (Grains) | Max Load Velocity (fps) | Max Load Pressure (psi) | COL (inch) |
|-----------------------------|-------------|-------------|---------------------|----------------------|-------------------|-------------------------|-------------------------|------------|
| <b>8mm Remington Magnum</b> |             |             |                     |                      |                   |                         |                         |            |
| Barrel: 24", Twist: 1-10"   |             |             | Primer: FED 215     |                      |                   | Bullet Dia.: .323"      |                         |            |
| 3100                        | 150         | HDY SP      | 80.1                | 3,026                | 89.0              | 3,439                   | 58,400                  | 3.565      |
| 3100                        | 175         | SIE SPT     | 78.8                | 2,865                | 87.5              | 3,256                   | 60,900                  | 3.565      |
| 3100                        | 200         | SIE HPBT    | 74.7                | 2,703                | 83.0              | 3,072                   | 62,300                  | 3.595      |
| 8700                        | 150         | HDY SP      | 88.2                | 2,655                | 98.0              | 3,017                   | 44,700                  | 3.565      |
| 8700                        | 175         | SIE SPT     | 87.3                | 2,475                | 97.0              | 2,813                   | 40,000                  | 3.565      |
| 8700                        | 200         | SIE HPBT    | 86.4                | 2,516                | 96.0              | 2,859                   | 48,600                  | 3.595      |

## .338 Federal

| Bullet Weight (Grains)    | Bullet Make | Bullet Type   | Start Load (Grains) | Start Velocity (fps) | Max Load (Grains) | Max Load Velocity (fps) | Max Load Pressure (psi) | COL (inch) |
|---------------------------|-------------|---------------|---------------------|----------------------|-------------------|-------------------------|-------------------------|------------|
| <b>.338 Federal</b>       |             |               |                     |                      |                   |                         |                         |            |
| Barrel: 24", Twist: 1-10" |             |               | Primer: FED 215     |                      |                   | Bullet Dia.: .323"      |                         |            |
| 5744                      | 200         | HDY SPBT      | 24.0                | 1,675                | Reduced Load      |                         |                         |            |
| 5744                      | 200         | HDY SPBT      | 32.6                | 2,200                | 36.2              | 2,426                   | 60,000                  | 2.814      |
| 2015                      | 185         | BAR TSX       | 38.9                | 2,408                | 43.2              | 2,593                   | 58,000                  | 2.783      |
| 2015                      | 200         | HDY SP- Intlk | 39.2                | 2,369                | 43.5              | 2,532                   | 59,600                  | 2.814      |
| 2015                      | 215         | SIE SPBT      | 37.0                | 2,242                | 41.1              | 2,399                   | 59,800                  | 2.800      |
| 2230                      | 185         | BAR TSX       | 40.9                | 2,484                | 45.5              | 2,683                   | 59,750                  | 2.783      |
| 2230                      | 200         | HDY SP- Intlk | 40.4                | 2,376                | 44.8              | 2,605                   | 60,000                  | 2.814      |
| 2230                      | 215         | SIE SPBT      | 39.0                | 2,317                | 43.3              | 2,503                   | 59,825                  | 2.800      |
| 2230                      | 225         | NOS Accubond  | 38.3                | 2,261                | 42.5              | 2,427                   | 59,850                  | 2.814      |

## .338 Winchester Magnum

# ACCURATE POWDERS

## RIFLE

| Bullet Weight (Grains)             | Bullet Make | Bullet Type | Start Load (Grains)  | Start Velocity (fps) | Max Load (Grains) | Max Load Velocity (fps) | Max Load Pressure (psi) | COL (inch) |
|------------------------------------|-------------|-------------|--|----------------------|-------------------|-------------------------|-------------------------|------------|
| <b>.338 Remington Ultra Magnum</b> |             |             | Barrel: 24", Twist: 1-10" Primer: FED 215 Bullet Dia.: .338" |                      |                   |                         |                         |            |
| 3100                               | 200         | NOS B-TIP   | 84.1   | 2,814                | 93.5              | 3,198                   | 62,300                  | 3.575      |
| 3100                               | 215         | SIE SPBT    | 82.8   | 2,728                | 92.0              | 3,101                   | 63,400                  | 3.575      |
| 3100                               | 225         | HDY SST     | 82.8   | 2,674                | 92.0              | 3,039                   | 63,800                  | 3.575      |
| 3100                               | 250         | NOS PART    | 78.3   | 2,504                | 87.0              | 2,846                   | 63,000                  | 3.575      |
| 3100                               | 250         | SIE SPBT    | 78.7   | 2,530                | 87.5              | 2,875                   | 63,200                  | 3.575      |

## .35 Whelen

| Bullet Weight (Grains) | Bullet Make | Bullet Type | Start Load (Grains)  | Start Velocity (fps) | Max Load (Grains) | Max Load Velocity (fps) | Max Load Pressure (psi) | COL (inch) |
|------------------------|-------------|-------------|--|----------------------|-------------------|-------------------------|-------------------------|------------|
| <b>.35 Whelen</b>      |             |             | Barrel: 24", Twist: 1-12" Primer: FED 210 Bullet Dia.: .358" |                      |                   |                         |                         |            |
| 2460                   | 200         | HDY SP      | 51.3   | 2,401                | 57.0              | 2,728                   | 49,800                  | 3.140      |
| 2460                   | 200         | BAR X       | 50.4   | 2,420                | 56.0              | 2,750                   | 48,300                  | 3.225      |
| 2460                   | 225         | BAR X       | 46.8   | 2,261                | 52.0              | 2,569                   | 50,400                  | 3.220      |
| 2460                   | 225         | NOS PART    | 48.6   | 2,292                | 54.0              | 2,604                   | 52,200                  | 3.215      |
| 2460                   | 250         | BAR X       | 44.1   | 2,123                | 49.0              | 2,412                   | 52,500                  | 3.220      |
| 2460                   | 250         | HDY RN      | 46.8   | 2,119                | 52.0              | 2,408                   | 47,500                  | 3.250      |
| 2495                   | 180         | HDY SP      | 53.6   | 2,585                | 59.5              | 2,937                   | 51,800                  | 3.035      |
| 2495                   | 200         | SIE RN      | 51.3   | 2,458                | 57.0              | 2,793                   | 50,200                  | 3.140      |
| 2495                   | 225         | BAR X       | 47.7   | 2,174                | 53.0              | 2,470                   | 48,800                  | 3.220      |
| 2495                   | 225         | NOS PART    | 45.9   | 2,264                | 51.0              | 2,573                   | 52,200                  | 3.215      |
| 2495                   | 250         | HDY SP      | 44.1   | 2,126                | 49.0              | 2,416                   | 54,500                  | 3.255      |
| 2520                   | 225         | SIE SBT     | 49.5   | 2,287                | 55.0              | 2,599                   | 51,100                  | 3.280      |
| 2520                   | 250         | HDY SP      | 45.9   | 2,146                | 51.0              | 2,439                   | 53,300                  | 3.255      |

## .375 H&H Magnum

| Bullet Weight (Grains)     | Bullet Make | Bullet Type | Start Load (Grains)  | Start Velocity (fps) | Max Load (Grains) | Max Load Velocity (fps) | Max Load Pressure (psi) | COL (inch) |
|----------------------------|-------------|-------------|--|----------------------|-------------------|-------------------------|-------------------------|------------|
| <b>.375 H&amp;H Magnum</b> |             |             | Barrel: 24", Twist: 1-12" Primer: FED 215 Bullet Dia.: .375" |                      |                   |                         |                         |            |
| 2700                       | 250         | SIE SBT     | 76.0   | 2,644                | 80.0              | 2,813                   | 59,800                  | 3.585      |
| 2700                       | 270         | HDY SP      | 76.0   | 2,530                | 80.0              | 2,691                   | 55,800                  | 3.570      |
| 2700                       | 300         | SIE SBT     | 71.3   | 2,397                | 75.0              | 2,550                   | 56,600                  | 3.585      |
| 2700                       | 350         | BAR RN      | 63.7   | 2,123                | 67.0              | 2,259                   | 56,600                  | 3.560      |
| 4350                       | 250         | SIE SBT     | 75.6   | 2,431                | 84.0              | 2,763                   | 48,900                  | 3.585      |
| 4350                       | 270         | HDY SP      | 75.6   | 2,386                | 84.0              | 2,711                   | 50,300                  | 3.570      |
| 4350                       | 300         | SIE SBT     | 71.1   | 2,192                | 79.0              | 2,491                   | 50,000                  | 3.545      |
| 4350                       | 350         | BAR RN      | 67.5   | 2,072                | 75.0              | 2,355                   | 54,800                  | 3.560      |

## .375 Remington Ultra Magnum

| Bullet Weight (Grains)             | Bullet Make | Bullet Type | Start Load (Grains)   | Start Velocity (fps) | Max Load (Grains) | Max Load Velocity (fps) | Max Load Pressure (psi) | COL (inch) |
|------------------------------------|-------------|-------------|---|----------------------|-------------------|-------------------------|-------------------------|------------|
| <b>.375 Remington Ultra Magnum</b> |             |             | Barrel: 24", Twist: 1-12" Primer: WIN WLRM Bullet Dia.: .375" |                      |                   |                         |                         |            |
| 5744*                              | 250         | SIE SPBT    | 43.2  | 1,895                | 48.0              | 2,105                   | 30,500                  | 3.595      |
| 2700                               | 250         | SIE SPBT    | 86.4  | 2,716                | 96.0              | 3,018                   | 61,900                  | 3.595      |
| 2700                               | 260         | NOS PART    | 85.0  | 2,670                | 95.0              | 2,950                   | 64,500                  | 3.565      |
| 2700                               | 270         | SWF AF      | 83.0  | 2,600                | 92.5              | 2,860                   | 63,800                  | 3.550      |
| 2700                               | 300         | NOS PART    | 78.0  | 2,450                | 87.0              | 2,720                   | 64,500                  | 3.550      |
| 4350                               | 250         | SIE SPBT    | 89.1  | 2,732                | 99.0              | 3,036                   | 59,800                  | 3.595      |
| 4350                               | 260         | NOS PART    | 87.0  | 2,690                | 96.2              | 2,970                   | 62,400                  | 3.565      |
| 4350                               | 270         | SWF AF      | 86.0  | 2,680                | 95.5              | 2,880                   | 62,500                  | 3.550      |
| 4350                               | 300         | NOS PART    | 83.3  | 2,471                | 92.5              | 2,746                   | 61,500                  | 3.550      |

\*Caution, Reduced Load

## .416 Remington Magnum

| Bullet Weight (Grains)       | Bullet Make | Bullet Type | Start Load (Grains)   | Start Velocity (fps) | Max Load (Grains) | Max Load Velocity (fps) | Max Load Pressure (psi) | COL (inch) |
|------------------------------|-------------|-------------|---|----------------------|-------------------|-------------------------|-------------------------|------------|
| <b>.416 Remington Magnum</b> |             |             | Barrel: 24", Twist: 1-14" Primer: WIN WLRM Bullet Dia.: .416" |                      |                   |                         |                         |            |
| 2460                         | 350         | BAR X       | 71.1  | 2,298                | 79.0              | 2,611                   | 60,180                  | 3.680      |
| 2460                         | 400         | HDY RN      | 66.6  | 2,097                | 74.0              | 2,383                   | 59,354                  | 3.580      |
| 2495                         | 350         | BAR X       | 73.8  | 2,226                | 82.0              | 2,530                   | 54,870                  | 3.680      |
| 2495                         | 400         | HDY RN      | 72.0  | 2,154                | 80.0              | 2,448                   | 59,000                  | 3.580      |
| 2520                         | 350         | BAR X       | 70.2  | 2,255                | 78.0              | 2,563                   | 57,348                  | 3.680      |
| 2520                         | 400         | HDY RN      | 67.5  | 2,099                | 75.0              | 2,385                   | 61,242                  | 3.580      |
| 4064                         | 350         | BAR X       | 74.7  | 2,235                | 83.0              | 2,540                   | 54,516                  | 3.680      |
| 4064                         | 400         | HDY RN      | 72.0  | 2,128                | 80.0              | 2,419                   | 56,404                  | 3.580      |
| 2700                         | 350         | BAR X       | 81.7  | 2,384                | 86.0              | 2,536                   | 55,460                  | 3.680      |
| 2700                         | 400         | HDY RN      | 80.8  | 2,295                | 85.0              | 2,442                   | 58,764                  | 3.580      |

## .444 Marlin

| Bullet Weight (Grains) | Bullet Make | Bullet Type | Start Load (Grains)  | Start Velocity (fps) | Max Load (Grains) | Max Load Velocity (fps) | Max Load Pressure (psi) | COL (inch) |
|------------------------|-------------|-------------|--|----------------------|-------------------|-------------------------|-------------------------|------------|
| <b>.444 Marlin</b>     |             |             | Barrel: 24", Twist: 1-38" Primer: WIN WLR Bullet Dia.: .429" |                      |                   |                         |                         |            |
| 5744                   | 200         | LC RNFP(L)  | 34.2   | 1,958                | 38.0              | 2,225                   | <b>41,000</b>           | 2.560      |
| 5744                   | 240         | LC SWC(L)   | 32.4   | 1,804                | 36.0              | 2,051                   | <b>39,200</b>           | 2.570      |
| 5744                   | 240         | SIE JHC     | 33.3   | 1,820                | 37.0              | 2,069                   | <b>41,900</b>           | 2.520      |
| 5744                   | 265         | HDY FP      | 31.5   | 1,692                | 35.0              | 1,923                   | <b>40,500</b>           | 2.570      |
| 1680                   | 200         | HDY XTP     | 54.2   | 2,566                | 57.0              | 2,730                   | <b>41,300</b>           | 2.520      |
| 2015                   | 200         | HDY XTP     | 57.0   | 2,409                | 60.0              | 2,563                   | <b>42,700</b>           | 2.520      |
| 2015                   | 240         | SIE JHC     | 52.3   | 2,217                | 55.0              | 2,359                   | <b>43,000</b>           | 2.520      |
| 2015                   | 265         | HDY FP      | 49.4   | 2,088                | 52.0              | 2,221                   | <b>41,500</b>           | 2.570      |
| 2230                   | 240         | SIE JHC     | 54.2   | 2,181                | 57.0              | 2,320                   | <b>44,000</b>           | 2.520      |
| 2230                   | 265         | HDY XTP     | 52.3   | 2,074                | 55.0              | 2,206                   | <b>44,000</b>           | 2.570      |
| 2460                   | 240         | SIE JHC     | 54.2   | 2,138                | 57.0              | 2,274                   | <b>42,700</b>           | 2.520      |
| 2460                   | 265         | HDY FP      | 53.2   | 2,084                | 56.0              | 2,217                   | <b>43,700</b>           | 2.570      |

**Bold Italicized = CUP Pressure**

## RIFLE

| Bullet Weight (Grains)                                       | Bullet Make | Bullet Type    | Start Load (Grains)  | Start Velocity (fps) | Max Load (Grains) | Max Load Velocity (fps) | Max Load Pressure (psi) | COL (inch) |
|--|-------------|----------------|--|----------------------|-------------------|-------------------------|-------------------------|------------|
| <b>.45-70 Government Springfield Trap Door &lt;18000 psi</b> |             |                | Barrel: 24", Twist: 1-20" Primer: WIN WLR Bullet Dia.: .458" |                      |                   |                         |                         |            |
| 5744   | 405         | LC FP(L)       | 24.3   | 1,226                | 27.0              | 1,394                   | 16,100                  | 2.550      |
| 5744   | 420         | CP LFNGC(L)    | 25.6   | 1,210                | 28.5              | 1,375                   | 16,100                  | 2.600      |
| 5744   | 460         | CP LFNGC(L)    | 24.3   | 1,102                | 27.0              | 1,253                   | 18,800                  | 2.680      |
| 5744   | 500         | MCB RN(L)      | 23.4   | 1,070                | 26.0              | 1,217                   | 16,100                  | 2.635      |
| 5744   | 525         | MCB SS(L)      | 21.6   | 1,060                | 24.0              | 1,205                   | 16,300                  | 2.655      |
| 5744   | 530         | LYM Postell(L) | 20.1   | 1,036                | 22.4              | 1,178                   | 18,600                  | 2.950      |

## .45-70 Government Standard Rifles <28000 psi

| Bullet Weight (Grains)                                 | Bullet Make | Bullet Type  | Start Load (Grains)  | Start Velocity (fps) | Max Load (Grains) | Max Load Velocity (fps) | Max Load Pressure (psi) | COL (inch) |
|--|-------------|--------------|--|----------------------|-------------------|-------------------------|-------------------------|------------|
| <b>.45-70 Government Standard Rifles &lt;28000 psi</b> |             |              | Barrel: 24", Twist: 1-20" Primer: WIN WLR Bullet Dia.: .458" |                      |                   |                         |                         |            |
| 5744   | 405         | LC FP(L)     | 30.6   | 1,468                | 34.0              | 1,600                   | 27,800                  | 2.550      |
| 5744   | 420         | CP LFNGC(L)  | 29.3   | 1,401                | 32.5              | 1,538                   | 27,000                  | 2.550      |
| 5744   | 440         | CP LFNGC(L)  | 28.1   | 1,362                | 31.2              | 1,490                   | 27,600                  | 2.550      |
| 5744   | 460         | CP WFNGC(L)  | 27.5   | 1,321                | 30.5              | 1,444                   | 27,200                  | 2.550      |
| 5744   | 300         | SIE HP/FN    | 36.7   | 1,712                | 40.8              | 1,874                   | 27,200                  | 2.550      |
| 5744   | 350         | HDY RN       | 33.8   | 1,529                | 37.5              | 1,676                   | 27,700                  | 2.550      |
| 2015   | 405         | LC FP(L)     | 44.3   | 1,666                | 49.2              | 1,817                   | 27,400                  | 2.550      |
| 2015   | 420         | CP LFNGC(L)  | 42.6   | 1,584                | 47.3              | 1,763                   | 27,400                  | 2.550      |
| 2015   | 440         | CP LFNGC(L)  | 38.6   | 1,514                | 43.2              | 1,652                   | 27,300                  | 2.550      |
| 2015   | 460         | CP WFNGC(L)  | 38.3   | 1,482                | 42.6              | 1,636                   | 27,100                  | 2.550      |
| 2015   | 300         | HDY JHP      | 51.8   | 1,836                | 57.5              | 2,069                   | 27,300                  | 2.550      |
| 2015   | 350         | HDY RN       | 47.3   | 1,703                | 52.5              | 1,890                   | 27,800                  | 2.550      |
| 2230   | 405         | LC FP(L)     | 38.6   | 1,550                | 43.2              | 1,694                   | 27,500                  | 2.550      |
| 2230   | 420         | CP LFNGC(L)  | 38.0   | 1,523                | 42.2              | 1,646                   | 27,400                  | 2.550      |
| 2230   | 440         | CP LFNGC(L)  | 34.5   | 1,437                | 38.3              | 1,553                   | 28,000                  | 2.550      |
| 2230   | 460         | CP WLFNGC(L) | 34.4   | 1,404                | 38.2              | 1,511                   | 27,300                  | 2.550      |
| 2230   | 300         | SIE HP/FN    | 43.2   | 1,747                | 48.0              | 1,901                   | 27,600                  | 2.550      |
| 2230   | 350         | HDY RN       | 42.3   | 1,623                | 47.0              | 1,776                   | 28,000                  | 2.550      |
| 2230   | 500         | HDY RN       | 32.8   | 1,167                | 36.4              | 1,306                   | 27,400                  | 2.550      |

## .45-70 Government Ruger No. 1 and 3 <40000 psi

| Bullet Weight (Grains)                                   | Bullet Make | Bullet Type | Start Load (Grains)  | Start Velocity (fps) | Max Load (Grains) | Max Load Velocity (fps) | Max Load Pressure (psi) | COL (inch) |
|--|-------------|-------------|--|----------------------|-------------------|-------------------------|-------------------------|------------|
| <b>.45-70 Government Ruger No. 1 and 3 &lt;40000 psi</b> |             |             | Barrel: 24", Twist: 1-20" Primer: WIN WLR Bullet Dia.: .458" |                      |                   |                         |                         |            |
| 5744   | 405         | LC FP(L)    | 36.0   | 1,667                | 40.0              | 1,826                   | 38,400                  | 2.550      |
| 5744   | 420         | CP LFNGC(L) | 35.1   | 1,641                | 39.0              | 1,783                   | 38,200                  | 2.550      |
| 5744   | 440         | CP LFNGC(L) | 32.9   | 1,558                | 36.5              | 1,705                   | 38,000                  | 2.550      |
| 5744   | 460         | CP WFNGC(L) | 32.6   | 1,523                | 36.2              | 1,666                   | 38,200                  | 2.550      |
| 5744   | 300         | SIE HP/FN   | 43.2   | 1,986                | 48.0              | 2,159                   | 38,900                  | 2.550      |
| 5744   | 350         | HDY RN      | 39.4   | 1,771                | 43.8              | 1,929                   | 38,000                  | 2.550      |
| 5744   | 400         | BAR FN      | 36.9   | 1,620                | 41.0              | 1,787                   | 38,100                  | 2.550      |
| 2230   | 405         | LC FP(L)    | 48.2   | 1,845                | 53.5              | 1,978                   | 38,700                  | 2.550      |
| 2230   | 420         | CP LFNGC(L) | 46.8   | 1,791                | 52.2              | 1,920                   | 37,400                  | 2.550      |
| 2230   | 440         | CP LFNGC(L) | 42.8   | 1,674                | 47.5              | 1,804                   | 38,600                  | 2.550      |
| 2230   | 460         | CP WFNGC(L) | 42.8   | 1,668                | 47.5              | 1,782                   | 37,900                  | 2.550      |
| 2230   | 300         | HDY JHP     | 56.0   | 2,092                | 62.2              | 2,275                   | 38,200                  | 2.550      |
| 2230   | 350         | HDY RN      | 48.6   | 1,797                | 54.0              | 1,922                   | 39,000                  | 2.550      |
| 2230   | 400         | BAR FN      | 46.8   | 1,745                | 52.0              | 1,865                   | 38,300                  | 2.550      |
| 2230   | 500         | HDY RN      | 39.6   | 1,408                | 44.0              | 1,552                   | 38,800                  | 2.550      |

# ACCURATE POWDERS



**SHOTSHELL**

**SHOTSHELL**

## 12 gauge

**Remington STS Hulls**

**Cartridge length:** 2.300"

**Primers:** Std. 209

**Crimp:** 8-Fold

**Case length:** 2 3/4"

(Win/Rem/Cheddite)

**Crimp depth:** 0.080"

| Weight<br>oz. | Powder | Wads        | Light loads    |              |                |              | Standard Target: Trap Skeet etc |              |                |              |                |              | Extreme target loads/Hunting |              |                |              |                |              |                |              |
|---------------|--------|-------------|----------------|--------------|----------------|--------------|---------------------------------|--------------|----------------|--------------|----------------|--------------|------------------------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|
|               |        |             | 1050 Fps       |              | 1100 Fps       |              | 1150 Fps                        |              | 1200 Fps       |              | 1250 Fps       |              | 1300 Fps                     |              | 1350 Fps       |              | 1400 Fps       |              | 1450 Fps       |              |
|               |        |             | Chrg<br>grains | Press<br>psi | Chrg<br>grains | Press<br>psi | Chrg<br>grains                  | Press<br>psi | Chrg<br>grains | Press<br>psi | Chrg<br>grains | Press<br>psi | Chrg<br>grains               | Press<br>psi | Chrg<br>grains | Press<br>psi | Chrg<br>grains | Press<br>psi | Chrg<br>grains | Press<br>psi |
| 7/8           | N100   | CB4100-12   |                |              |                |              | 14.9                            | 6100         |                |              |                |              | 17.6                         | 8600         |                |              |                |              |                |              |
| 7/8           | N100   | CB0178-12   |                |              |                |              | 14.8                            | 6700         |                |              |                |              | 17.4                         | 9100         |                |              | 19.5           | 10300        | 20.4           | 11100        |
| 7/8           | N100   | WAA 12 L    |                |              | 13.1           | 6000         |                                 |              | 14.0           | 7000         |                |              | 17.0                         | 10300        |                |              | 19.2           | 10800        |                |              |
| 7/8           | S1000  | CB4100-12   |                |              |                |              |                                 |              |                |              |                | 19.3         | 6400                         |              |                | 22.0         | 8400           | 22.9         | 9000           |              |
| 7/8           | S1000  | CB0178-12   |                |              |                |              |                                 |              | 18.3           | 6000         |                |              | 20.0                         | 7300         |                |              | 21.5           | 8500         | 22.2           | 9100         |
| 7/8           | S1000  | WAA 12 L    |                |              |                |              |                                 |              | 17.9           | 6400         |                |              | 19.8                         | 7300         |                |              | 20.8           | 9100         | 21.8           | 10000        |
| 7/8           | S1250  | CB4100-12   |                |              |                |              |                                 |              |                |              |                | 23.6         | 6000                         |              |                | 25.0         | 6900           | 25.7         | 7300           |              |
| 7/8           | S1250  | CB0178-12   |                |              |                |              |                                 |              |                |              |                | 24.3         | 6100                         |              |                | 25.9         | 6900           | 26.7         | 7300           |              |
| 7/8           | S1250  | WAA12L      |                |              |                |              |                                 |              |                |              |                | 23.1         | 6500                         |              |                | 23.9         | 7000           |              |                |              |
| 1             | N100   | CB4100-12   | 13.7           | 6100         | 14.6           | 7000         | 15.5                            | 7800         | 16.4           | 8700         | 17.4           | 9700         | 18.3                         | 10600        | 19.3           | 11500        |                |              |                |              |
| 1             | N100   | CB1100-12   | 13.9           | 6600         | 14.7           | 7500         | 15.4                            | 8200         | 16.5           | 9300         | 17.4           | 10200        | 18.3                         | 11100        |                |              |                |              |                |              |
| 1             | N100   | CB2100-12   | 13.3           | 6800         | 14.3           | 7900         | 15.2                            | 8800         | 16.3           | 10000        | 17.4           | 11200        |                              |              |                |              |                |              |                |              |
| 1             | N100   | REM 12 L    | 13.0           | 6700         | 14.0           | 7800         | 14.8                            | 8700         | 15.8           | 9800         | 16.9           | 11000        |                              |              |                |              |                |              |                |              |
| 1             | N100   | WAA 12 SL   | 12.8           | 6700         | 13.8           | 7900         | 14.4                            | 8600         | 15.8           | 10200        |                |              |                              |              |                |              |                |              |                |              |
| 1             | S1000  | CB4100-12   |                |              |                |              | 17.8                            | 6300         | 18.9           | 7400         | 19.9           | 8300         | 20.9                         | 9200         | 21.9           | 10100        | 22.8           | 11000        |                |              |
| 1             | S1000  | CB1100-12   |                |              |                |              | 17.3                            | 6300         | 18.8           | 7500         | 19.9           | 8400         | 21.1                         | 9300         | 22.2           | 10300        | 23.3           | 11200        |                |              |
| 1             | S1000  | CB2100-12   |                |              | 16.8           | 6000         | 17.7                            | 7000         | 18.8           | 8200         | 19.8           | 9300         | 20.9                         | 10400        | 21.9           | 11400        |                |              |                |              |
| 1             | S1000  | REM 12 L    |                |              | 16.4           | 6400         | 17.0                            | 6900         | 18.3           | 8100         | 19.4           | 9200         | 20.4                         | 10100        | 21.4           | 11100        |                |              |                |              |
| 1             | S1000  | WAA 12 SL   |                |              | 16.1           | 6200         | 17.5                            | 7900         | 18.3           | 8800         | 19.4           | 10100        | 20.5                         | 11400        |                |              |                |              |                |              |
| 1             | S1250  | CB4100-12   |                |              |                |              |                                 |              | 22.7           | 6500         | 23.6           | 7100         | 24.5                         | 7800         | 25.4           | 8400         |                |              |                |              |
| 1             | S1250  | CB1100-12   |                |              |                |              |                                 |              | 23.9           | 6400         | 24.8           | 6900         | 25.8                         | 7400         | 26.7           | 8000         |                |              |                |              |
| 1             | S1250  | CB2100-12   |                |              |                |              | 22.0                            | 6400         | 23.1           | 7100         | 23.9           | 7600         | 24.9                         | 8200         | 25.8           | 8800         |                |              |                |              |
| 1             | S1250  | REM12L      |                |              |                |              | 21.5                            | 6100         | 22.6           | 6600         | 23.7           | 7200         | 24.8                         | 7800         | 25.9           | 8400         |                |              |                |              |
| 1             | S1250  | WAA12SL     |                |              |                |              | 21.3                            | 6400         | 22.3           | 7200         | 23.2           | 7900         | 24.2                         | 8700         |                |              |                |              |                |              |
| 1 1/8         | N100   | WAA 12      | 13.0           | 9300         | 14.2           | 10600        | 14.8                            | 11300        |                |              |                |              |                              |              |                |              |                |              |                |              |
| 1 1/8         | N100   | WT 12       | 13.2           | 8600         | 14.3           | 9900         | 15.6                            | 11500        |                |              |                |              |                              |              |                |              |                |              |                |              |
| 1 1/8         | N100   | REM 12 H    | 13.6           | 8000         | 14.7           | 9200         | 15.7                            | 10200        |                |              |                |              |                              |              |                |              |                |              |                |              |
| 1 1/8         | N100   | REM FIG 8   | 13.7           | 7700         | 14.8           | 9000         | 15.7                            | 10200        |                |              |                |              |                              |              |                |              |                |              |                |              |
| 1 1/8         | N100   | REM RXP 12  | 13.3           | 8500         | 14.5           | 9700         | 16.1                            | 11200        |                |              |                |              |                              |              |                |              |                |              |                |              |
| 1 1/8         | N100   | REM TGT 12  | 13.7           | 8000         | 14.8           | 9200         | 15.8                            | 10400        |                |              |                |              |                              |              |                |              |                |              |                |              |
| 1 1/8         | N100   | CB4118-12B  | 13.8           | 7200         | 14.9           | 8400         | 16.0                            | 9700         | 17.0           | 10800        |                |              |                              |              |                |              |                |              |                |              |
| 1 1/8         | N100   | CB3118-12A  | 13.5           | 8200         | 14.6           | 9500         | 15.9                            | 11000        |                |              |                |              |                              |              |                |              |                |              |                |              |
| 1 1/8         | N100   | CB3118-12AR | 13.7           | 7940         | 14.7           | 9227         | 15.7                            | 10514        |                |              |                |              |                              |              |                |              |                |              |                |              |
| 1 1/8         | N100   | CB1118-12   | 13.5           | 8600         | 14.6           | 9800         | 15.5                            | 10800        |                |              |                |              |                              |              |                |              |                |              |                |              |
| 1 1/8         | N100   | CB0118-12   | 13.5           | 8000         | 14.7           | 9300         | 16.0                            | 10800        |                |              |                |              |                              |              |                |              |                |              |                |              |
| 1 1/8         | N100   | CB2118-12   | 13.6           | 8700         | 14.7           | 9900         | 15.8                            | 11100        |                |              |                |              |                              |              |                |              |                |              |                |              |
| 1 1/8         | S1000  | CB4118-12B  | 16.1           | 6000         | 17.2           | 7200         | 18.4                            | 8600         | 19.4           | 9700         | 20.5           | 10900        |                              |              |                |              |                |              |                |              |
| 1 1/8         | S1000  | CB3118-12A  | 15.7           | 6600         | 16.9           | 7900         | 17.5                            | 8600         | 19.3           | 10500        |                |              |                              |              |                |              |                |              |                |              |
| 1 1/8         | S1000  | CB3118-12AR | 15.5           | 6400         | 16.7           | 7800         | 17.8                            | 9000         | 19.2           | 10600        |                |              |                              |              |                |              |                |              |                |              |
| 1 1/8         | S1000  | CB1118-12   | 15.6           | 6800         | 16.8           | 8100         | 17.9                            | 9300         | 19.2           | 10800        |                |              |                              |              |                |              |                |              |                |              |
| 1 1/8         | S1000  | CB0118-12   | 15.5           | 6600         | 16.8           | 7800         | 18.1                            | 9100         | 19.3           | 10300        |                |              |                              |              |                |              |                |              |                |              |
| 1 1/8         | S1000  | CB2118-12   | 15.3           | 7714         | 16.4           | 9112         | 17.5                            | 10510        |                |              |                |              |                              |              |                |              |                |              |                |              |
| 1 1/8         | S1000  | REM 12 H    | 15.3           | 6500         | 16.5           | 7900         | 17.7                            | 9300         | 19.0           | 10700        |                |              |                              |              |                |              |                |              |                |              |
| 1 1/8         | S1000  | REM FIG 8   | 15.8           | 6700         | 17.1           | 7900         | 18.2                            | 9000         | 19.5           | 10300        | 20.8           | 11500        |                              |              |                |              |                |              |                |              |
| 1 1/8         | S1000  | REM RXP 12  | 15.6           | 6600         | 16.9           | 7900         | 17.8                            | 8900         | 19.4           | 10500        |                |              |                              |              |                |              |                |              |                |              |
| 1 1/8         | S1000  | REM TGT 12  | 15.8           | 6600         | 17.0           | 7900         | 18.1                            | 9100         | 19.3           | 10400        |                |              |                              |              |                |              |                |              |                |              |
| 1 1/8         | S1000  | WAA 12      | 15.3           | 7000         | 16.5           | 8600         | 17.7                            | 10100        |                |              |                |              |                              |              |                |              |                |              |                |              |
| 1 1/8         | S1000  | WT 12       | 15.5           | 6400         | 16.6           | 7900         | 18.1                            | 9600         | 19.0           | 10800        |                |              |                              |              |                |              |                |              |                |              |
| 1 1/8         | S1250  | CB4118-12B  |                |              | 21.9           | 6100         | 22.7                            | 6700         | 23.9           | 7400         | 24.9           | 8100         | 25.9                         | 8700         | 26.9           | 9300         |                |              |                |              |
| 1 1/8         | S1250  | CB3118-12A  |                |              | 21.1           | 6200         | 22.8                            | 7600         | 23.3           | 8000         | 24.4           | 9000         | 25.5                         | 9900         | 26.7           | 10800        |                |              |                |              |
| 1 1/8         | S1250  | CB3118-12AR |                |              | 21.3           | 6400         | 22.3                            | 7000         | 23.6           | 7900         | 24.6           | 8600         | 25.9                         | 8700         | 26.9           | 9300         |                |              |                |              |
| 1 1/8         | S1250  | CB1118-12   |                |              | 20.0           | 6400         | 20.8                            | 7000         | 22.3           | 8200         | 23.5           | 9300         | 24.7                         | 10200        | 25.9           | 11200        |                |              |                |              |
| 1 1/8         | S1250  | CB0118-12   |                |              | 21.4           | 6500         | 22.4                            | 6900         | 23.1           | 7800         | 24.3           | 8600         | 25.2                         | 9400         | 26.2           | 10100        |                |              |                |              |
| 1 1/8         | S1250  | CB2118-12   |                |              | 20.2           | 6700         | 21.9                            | 8300         | 22.4           | 8800         | 23.5           | 9800         | 24.6                         | 10800        |                |              |                |              |                |              |
| 1 1/8         | S1250  | REM12H      |                |              | 20.2           | 6000         | 21.3                            | 7000         | 22.5           | 8000         | 23.6           | 9000         | 24.8                         | 10000        | 26.0           | 11000        |                |              |                |              |
| 1 1/8         | S1250  | REMFIG8     |                |              |                |              | 21.2                            | 6000         | 22.3           | 6700         | 23.3           | 7400         | 24.4                         | 8100         | 25.4           | 8800         |                |              |                |              |
| 1 1/8         | S1250  | REMRXP12    |                |              |                |              | 20.9                            | 6800         | 22.2           | 8000         | 23.5           | 9300         | 24.8                         | 10500        |                |              |                |              |                |              |
| 1 1/8         | S1250  | REMTGT12    |                |              |                |              |                                 |              | 22.5           | 6600         | 23.5           | 7400         | 24.4                         | 8100         |                |              |                |              |                |              |
| 1 1/8         | S1250  | WAA12       |                |              | 20.0           | 6400         | 21.1                            | 7500         | 22.2           | 8700         | 23.4           | 9900         | 24.5                         | 11100        |                |              |                |              |                |              |
| 1 1/8         | S1250  | WT12        |                |              | 20.2           | 6100         | 21.3                            | 7200         | 22.4           | 8300         | 23.5           | 9500         | 24.6                         | 10600        |                |              |                |              |                |              |

# ACCURATE POWDERS



**SHOTSHELL**

**SHOTSHELL**

## 12 gauge

**WAA-HS 2 Piece**  
(can also use loads in old 1 piece hull)

**Cartridge length: 2.300"**

**Primers: Std. 209**

**Crimp: 8-Fold**

**Case length: 2<sup>3</sup>/<sub>4</sub>"**

**(Win/Rem/Cheddite)**

**Crimp depth: 0.080"**

| Weight oz. | Powder | Wads        | Light loads |           |             |           | Standard Target: Trap Skeet etc |           |             |           |             |           | Extreme target loads/Hunting |           |             |           |             |           |             |           |      |       |
|------------|--------|-------------|-------------|-----------|-------------|-----------|---------------------------------|-----------|-------------|-----------|-------------|-----------|------------------------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|------|-------|
|            |        |             | 1050 Fps    |           | 1100 Fps    |           | 1150 Fps                        |           | 1200 Fps    |           | 1250 Fps    |           | 1300 Fps                     |           | 1350 Fps    |           | 1400 Fps    |           | 1450 Fps    |           |      |       |
|            |        |             | Chrg grains | Press psi | Chrg grains | Press psi | Chrg grains                     | Press psi | Chrg grains | Press psi | Chrg grains | Press psi | Chrg grains                  | Press psi | Chrg grains | Press psi | Chrg grains | Press psi | Chrg grains | Press psi |      |       |
| 7/8        | N 100  | CB4100-12   |             |           |             |           | 14.5                            | 6388      |             |           | 15.5        | 7241      | 16.4                         | 8095      | 17.4        | 8948      | 18.4        | 9801      | 19.3        | 10655     | 20.3 | 11500 |
| 7/8        | N 100  | CB0178-12   |             |           | 13.4        | 5473      | 14.3                            | 6510      | 15.2        | 7548      | 16.1        | 8585      | 17.0                         | 9623      | 17.9        | 10660     |             |           |             |           |      |       |
| 7/8        | N 100  | WAA 12 L    |             |           | 13.1        | 5774      | 14.1                            | 6877      | 15.0        | 7979      | 16.0        | 9082      | 16.9                         | 10184     | 17.8        | 11286     |             |           |             |           |      |       |
| 7/8        | S1000  | CB4100-12   |             |           |             |           |                                 |           | 18.5        | 5903      | 19.5        | 6463      | 20.5                         | 7023      | 21.5        | 7582      | 22.5        | 8142      | 23.4        | 8702      |      |       |
| 7/8        | S1000  | CB0178-12   |             |           |             |           |                                 |           | 17.9        | 6114      | 18.8        | 6889      | 19.8                         | 7664      | 20.7        | 8439      | 21.7        | 9214      | 22.6        | 9989      |      |       |
| 7/8        | S1000  | WAA 12 L    |             |           |             |           | 16.7                            | 5641      | 17.6        | 6571      | 18.6        | 7501      | 19.5                         | 8431      | 20.4        | 9361      | 21.4        | 10290     | 22.3        | 11220     |      |       |
| 7/8        | S1250  | CB4100-12   |             |           |             |           |                                 |           | 23.0        | 5683      | 23.8        | 6090      | 24.7                         | 6497      | 25.5        | 6904      | 26.4        | 7311      |             |           |      |       |
| 7/8        | S1250  | CB0178-12   |             |           |             |           |                                 |           | 22.2        | 5733      | 23.0        | 6206      | 23.9                         | 6679      | 24.7        | 7152      | 25.6        | 7625      |             |           |      |       |
| 7/8        | S1250  | WAA 12 L    |             |           |             |           |                                 |           | 21.7        | 5757      | 22.6        | 6458      | 23.5                         | 7159      | 24.4        | 7861      |             |           |             |           |      |       |
| 1          | N100   | CB4100-12   | 13.4        | 6353      | 14.4        | 7340      | 15.3                            | 8327      | 16.3        | 9315      | 17.3        | 10302     | 18.2                         | 11289     |             |           |             |           |             |           |      |       |
| 1          | N100   | CB1100-12   | 12.7        | 6086      | 13.7        | 7216      | 14.8                            | 8346      | 15.9        | 9476      | 16.9        | 10606     |                              |           |             |           |             |           |             |           |      |       |
| 1          | N100   | CB2100-12   | 13.2        | 6368      | 14.2        | 7668      | 15.1                            | 8968      | 16.0        | 10268     | 16.9        | 11500     |                              |           |             |           |             |           |             |           |      |       |
| 1          | S1000  | CB4100-12   |             |           | 16.8        | 5745      | 17.9                            | 6697      | 18.9        | 7648      | 20.0        | 8600      | 21.1                         | 9551      | 22.2        | 10503     | 23.3        | 11455     |             |           |      |       |
| 1          | S1000  | CB1100-12   |             |           | 16.5        | 6069      | 17.5                            | 7047      | 18.4        | 8025      | 19.4        | 9003      | 20.4                         | 9981      | 21.3        | 10959     |             |           |             |           |      |       |
| 1          | S1000  | CB2100-12   |             |           | 16.5        | 6212      | 17.5                            | 7354      | 18.4        | 8495      | 19.3        | 9636      | 20.2                         | 10777     |             |           |             |           |             |           |      |       |
| 1          | S1000  | REM 12 L    | 14.9        | 4987      | 16.0        | 6113      | 17.0                            | 7239      | 18.1        | 8365      | 19.1        | 9491      | 20.2                         | 10617     | 21.3        | 11743     |             |           |             |           |      |       |
| 1          | S1000  | WAA 12 SL   | 14.7        | 5143      | 15.8        | 6279      | 16.9                            | 7414      | 18.0        | 8549      | 19.1        | 9684      | 20.2                         | 10819     | 21.3        | 11954     |             |           |             |           |      |       |
| 1          | S1250  | CB4100-12   |             |           | 20.3        | 5679      | 21.2                            | 6178      | 22.1        | 6678      | 23.0        | 7177      | 23.9                         | 7677      | 24.8        | 8176      | 25.7        | 8675      |             |           |      |       |
| 1          | S1250  | CB1100-12   |             |           |             |           | 21.2                            | 5595      | 22.2        | 6426      | 23.1        | 7256      | 24.1                         | 8086      | 25.1        | 8917      | 26.1        | 9747      |             |           |      |       |
| 1          | S1250  | CB2100-12   |             |           |             |           | 21.1                            | 5915      | 22.1        | 6797      | 23.0        | 7679      | 24.0                         | 8561      | 25.0        | 9444      | 25.9        | 10326     |             |           |      |       |
| 1          | S1250  | REM 12 L    |             |           |             |           | 21.0                            | 5900      | 22.1        | 6601      | 23.2        | 7301      | 24.3                         | 8002      | 25.3        | 8702      |             |           |             |           |      |       |
| 1          | S1250  | WAA 12 SL   |             |           |             |           | 20.5                            | 6106      | 21.6        | 6958      | 22.8        | 7814      | 23.9                         | 8669      |             |           |             |           |             |           |      |       |
| 1 1/8      | N100   | WAA 12      | 13.1        | 9904      | 14.3        | 10792     | 15.4                            | 11679     |             |           |             |           |                              |           |             |           |             |           |             |           |      |       |
| 1 1/8      | N100   | WT 12       | 13.4        | 9862      | 14.5        | 10721     | 15.5                            | 11580     |             |           |             |           |                              |           |             |           |             |           |             |           |      |       |
| 1 1/8      | N100   | REM 12 H    | 13.8        | 8257      | 14.8        | 9488      | 15.8                            | 10719     | 16.8        | 11950     |             |           |                              |           |             |           |             |           |             |           |      |       |
| 1 1/8      | N100   | REM FIG 8   | 13.6        | 7940      | 14.7        | 9253      | 15.7                            | 10567     | 16.8        | 11881     |             |           |                              |           |             |           |             |           |             |           |      |       |
| 1 1/8      | N100   | REM RXP 12  | 13.2        | 9471      | 14.4        | 10456     | 15.5                            | 11442     |             |           |             |           |                              |           |             |           |             |           |             |           |      |       |
| 1 1/8      | N100   | REM TGT 12  | 13.4        | 8164      | 14.5        | 9394      | 15.6                            | 10624     | 16.7        | 11854     |             |           |                              |           |             |           |             |           |             |           |      |       |
| 1 1/8      | N100   | CB4118-12B  | 13.7        | 7452      | 14.8        | 8783      | 15.8                            | 10114     | 16.9        | 11446     |             |           |                              |           |             |           |             |           |             |           |      |       |
| 1 1/8      | N100   | CB3118-12A  | 13.5        | 8277      | 14.6        | 9530      | 15.7                            | 10782     |             |           |             |           |                              |           |             |           |             |           |             |           |      |       |
| 1 1/8      | N100   | CB3118-12AR | 13.8        | 8075      | 14.8        | 9330      | 15.8                            | 10585     | 16.8        | 11840     |             |           |                              |           |             |           |             |           |             |           |      |       |
| 1 1/8      | N100   | CB1118-12   | 13.6        | 8603      | 14.5        | 9745      | 15.6                            | 10886     |             |           |             |           |                              |           |             |           |             |           |             |           |      |       |
| 1 1/8      | N100   | CB0118-12   | 13.5        | 8464      | 14.6        | 9646      | 15.6                            | 10828     |             |           |             |           |                              |           |             |           |             |           |             |           |      |       |
| 1 1/8      | N100   | CB2118-12   | 13.6        | 8612      | 14.7        | 9772      | 15.7                            | 10932     |             |           |             |           |                              |           |             |           |             |           |             |           |      |       |
| 1 1/8      | S1000  | REM 12 H    | 15.2        | 6641      | 16.4        | 8060      | 17.6                            | 9480      | 18.8        | 10899     |             |           |                              |           |             |           |             |           |             |           |      |       |
| 1 1/8      | S1000  | REM FIG 8   | 15.6        | 6423      | 16.7        | 7820      | 17.8                            | 9217      | 18.9        | 10614     |             |           |                              |           |             |           |             |           |             |           |      |       |
| 1 1/8      | S1000  | REM RXP 12  | 14.7        | 6240      | 16.0        | 7909      | 17.3                            | 9578      | 18.6        | 11247     |             |           |                              |           |             |           |             |           |             |           |      |       |
| 1 1/8      | S1000  | REM TGT 12  | 14.9        | 5538      | 16.2        | 7214      | 17.5                            | 8891      | 18.8        | 10567     |             |           |                              |           |             |           |             |           |             |           |      |       |
| 1 1/8      | S1000  | WAA 12      | 15.5        | 7546      | 16.8        | 8844      | 17.8                            | 10141     | 18.9        | 11439     |             |           |                              |           |             |           |             |           |             |           |      |       |
| 1 1/8      | S1000  | WT 12       | 15.2        | 6698      | 16.4        | 8292      | 17.6                            | 9886      | 18.8        | 11481     |             |           |                              |           |             |           |             |           |             |           |      |       |
| 1 1/8      | S1000  | CB4118-12B  | 16.0        | 6252      | 17.1        | 7448      | 18.2                            | 8643      | 19.3        | 9839      | 20.4        | 11035     |                              |           |             |           |             |           |             |           |      |       |
| 1 1/8      | S1000  | CB3118-12A  | 15.2        | 5837      | 16.5        | 7482      | 17.8                            | 9128      | 19.0        | 10773     |             |           |                              |           |             |           |             |           |             |           |      |       |
| 1 1/8      | S1000  | CB3118-12AR | 15.8        | 6440      | 16.9        | 7899      | 18.0                            | 9358      | 19.0        | 10817     |             |           |                              |           |             |           |             |           |             |           |      |       |
| 1 1/8      | S1000  | CB1118-12   | 15.6        | 7175      | 16.6        | 8427      | 17.7                            | 9679      | 18.8        | 10930     |             |           |                              |           |             |           |             |           |             |           |      |       |
| 1 1/8      | S1000  | CB0118-12   | 15.4        | 6383      | 16.5        | 7906      | 17.7                            | 9430      | 18.8        | 10953     |             |           |                              |           |             |           |             |           |             |           |      |       |
| 1 1/8      | S1000  | CB2118-12   | 15.3        | 6516      | 16.5        | 8081      | 17.7                            | 9647      | 18.8        | 11212     |             |           |                              |           |             |           |             |           |             |           |      |       |
| 1 1/8      | S1250  | REM 12 H    |             |           |             |           | 21.0                            | 6831      | 22.3        | 8078      | 23.5        | 9325      | 24.8                         | 10572     |             |           |             |           |             |           |      |       |
| 1 1/8      | S1250  | REM FIG 8   |             |           |             |           | 21.0                            | 6801      | 22.2        | 7933      | 23.4        | 9065      | 24.6                         | 10198     |             |           |             |           |             |           |      |       |
| 1 1/8      | S1250  | REM RXP 12  |             |           | 19.1        | 5937      | 20.3                            | 7253      | 21.5        | 8568      | 22.7        | 9884      | 23.8                         | 11189     |             |           |             |           |             |           |      |       |
| 1 1/8      | S1250  | REM TGT 12  | 19.2        | 6042      | 20.0        | 6647      | 20.9                            | 7241      | 21.8        | 7840      | 22.6        | 8439      | 23.5                         | 9038      |             |           |             |           |             |           |      |       |
| 1 1/8      | S1250  | WAA 12      |             |           | 19.5        | 5656      | 20.6                            | 7163      | 21.8        | 8679      | 22.9        | 10191     | 24.0                         | 11702     |             |           |             |           |             |           |      |       |
| 1 1/8      | S1250  | WT 12       |             |           | 19.2        | 5616      | 20.3                            | 7000      | 21.5        | 8384      | 22.7        | 9768      | 23.9                         | 11153     |             |           |             |           |             |           |      |       |
| 1 1/8      | S1250  | CB4118-12B  |             |           | 20.5        | 5799      | 21.6                            | 6808      | 22.7        | 7816      | 23.8        | 8824      | 24.8                         | 9832      | 25.9        | 10840     |             |           |             |           |      |       |
| 1 1/8      | S1250  | CB3118-12A  |             |           | 19.9        | 6304      | 21.1                            | 7253      | 22.3        | 8202      | 23.5        | 9151      | 24.7                         | 10099     | 25.9        | 11048     |             |           |             |           |      |       |
| 1 1/8      | S1250  | CB3118-12AR |             |           | 19.9        | 5673      | 21.0                            | 6892      | 22.1        | 8112      | 23.2        | 9332      | 24.3                         | 10551     |             |           |             |           |             |           |      |       |
| 1 1/8      | S1250  | CB1118-12   |             |           |             |           | 20.3                            | 7241      | 21.5        | 8283      | 22.8        | 9326      | 24.0                         | 10369     | 25.2        | 11411     |             |           |             |           |      |       |
| 1 1/8      | S1250  | CB0118-12   |             |           |             |           | 20.4                            | 6850      | 21.6        | 8129      | 22.7        | 9408      | 23.9                         | 10687     |             |           |             |           |             |           |      |       |
| 1 1/8      | S1250  | CB2118-12   |             |           | 19.2        | 5783      | 20.5                            | 7117      | 21.7        | 8451      | 23.0        | 9785      | 24.3                         | 11119     |             |           |             |           |             |           |      |       |

**SHOTSHELL**
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| Hornady 366/APEX Presses |                   |                   |              |                   |
|--------------------------|-------------------|-------------------|--------------|-------------------|
| Desired Grains           | Solo 1000 Bushing | Solo 1250 Bushing | No 2 Bushing | Nitro 100 Bushing |
| 13.0                     |                   | 354               |              |                   |
| 13.5                     |                   | 360               |              | 366               |
| 14.0                     | 387               | 369               |              | 372               |
| 14.5                     | 393               | 378               |              | 375               |
| 15.0                     | 399               | 384               |              | 381               |
| 15.5                     | 408               | 390               |              | 387               |
| 16.0                     | 411               | 396               |              | 393               |
| 16.5                     | 417               | 402               | 351          | 399               |
| 17.0                     | 420               | 408               | 357          | 405               |
| 17.5                     | 429               | 414               | 363          | 411               |
| 18.0                     | 432               | 420               | 366          | 417               |
| 18.5                     | 435               | 426               | 372          | 423               |
| 19.0                     | 438               | 429               | 378          | 429               |
| 19.5                     | 441               | 435               | 384          | 435               |
| 20.0                     | 447               | 441               | 387          | 441               |
| 20.5                     | 453               | 447               | 393          | 447               |
| 21.0                     | 459               | 453               | 396          | 453               |
| 21.5                     | 468               | 456               | 402          | 456               |
| 22.0                     | 474               | 459               | 408          | 457               |
| 22.5                     | 480               | 465               | 411          | 465               |
| 23.0                     |                   | 471               | 417          |                   |
| 23.5                     |                   | 477               | 420          |                   |
| 24.0                     |                   | 480               |              |                   |
| 24.5                     |                   | 486               |              |                   |
| 25.0                     |                   | 492               |              |                   |
| 25.5                     |                   | 495               |              |                   |
| 26.0                     |                   | 501               |              |                   |
| 26.5                     |                   | 502               |              |                   |
| 27.0                     |                   | 510               |              |                   |
| 27.5                     |                   | 513               |              |                   |
| 28.0                     |                   | 516               |              |                   |
| 28.5                     |                   | 522               |              |                   |
| 29.0                     |                   | 525               |              |                   |

| Ponsness Warren Presses |                  |                  |             |                  |
|-------------------------|------------------|------------------|-------------|------------------|
| Letter                  | Solo 1000 grains | Solo 1250 grains | No 2 grains | Nitro 100 grains |
| D1                      |                  | 12.0             |             | 11.2             |
| E                       |                  | 13.7             | 17.0        | 12.5             |
| E 1                     |                  | 14.0             | 18.4        | 13.1             |
| E 2                     |                  | 14.5             | 19.0        | 13.8             |
| F                       | 14.3             | 15.5             | 20.2        | 14.6             |
| F1                      | 14.5             | 15.7             | 20.5        | 14.8             |
| G                       | 15.9             | 17.5             | 22.7        | 16.4             |
| G1                      | 16.4             | 17.7             | 23.0        | 16.7             |
| H                       | 17.5             | 19.0             | 24.5        | 17.5             |
| I                       | 18.5             | 19.5             |             | 18.1             |
| J                       | 19.7             | 20.3             |             | 18.8             |
| J1                      | 20.4             | 20.8             |             | 19.6             |
| K                       | 20.7             | 21.4             |             | 20.1             |
| L                       | 21.4             | 22.5             |             | 21.2             |
| M                       | 22.1             | 23.5             |             | 21.3             |
| N                       | 23.5             | 25.0             |             | 23.6             |
| O                       | 24.0             | 25.5             |             | 24.2             |
| P                       | 24.6             | 26.0             |             | 24.9             |
| Q                       |                  | 26.3             |             | 25.2             |
| R                       |                  | 28.0             |             |                  |
| S                       |                  | 28.3             |             |                  |

| Bushing Number | MEC Single Stage Presses |                  |             |                  | MEC Progressive Presses |                  |             |                  |
|----------------|--------------------------|------------------|-------------|------------------|-------------------------|------------------|-------------|------------------|
|                | Solo 1000 grains         | Solo 1250 grains | No 2 grains | Nitro 100 grains | Solo 1000 grains        | Solo 1250 grains | No 2 grains | Nitro 100 grains |
| 20             |                          | 13.9             | 17.0        |                  |                         | 13.5             | 17.0        |                  |
| 21             |                          | 14.2             | 18.0        |                  |                         | 13.9             | 18.0        |                  |
| 22             |                          | 14.7             | 18.7        |                  |                         | 14.4             | 18.7        |                  |
| 23             |                          | 15.0             | 19.4        |                  |                         | 14.8             | 19.4        |                  |
| 24             |                          | 15.6             | 20.2        |                  |                         | 15.5             | 20.2        |                  |
| 25             |                          | 16.1             | 20.5        | 15.5             | 14.2                    | 16.0             | 20.5        | 15.2             |
| 26             | 16.0                     | 17.0             | 21.6        | 16.3             | 14.5                    | 16.8             | 21.6        | 16.0             |
| 27             | 16.3                     | 17.9             | 22.6        | 17.0             | 15.5                    | 17.5             | 22.6        | 16.7             |
| 28             | 17.3                     | 18.4             | 23.5        | 17.5             | 16.2                    | 18.0             | 23.5        | 17.1             |
| 29             | 18.0                     | 19.4             |             | 18.3             | 17.0                    | 18.9             |             | 18.0             |
| 30             | 18.8                     | 19.9             |             | 19.1             | 17.4                    | 19.6             |             | 18.7             |
| 31             | 19.2                     | 20.5             |             | 19.7             | 19.0                    | 20.1             |             | 19.4             |
| 32             | 20.8                     | 21.2             |             | 20.3             | 19.6                    | 21.0             |             | 20.0             |
| 33             | 21.4                     | 22.3             |             | 20.8             | 20.2                    | 22.0             |             | 20.2             |
| 34             | 22.0                     | 23.1             |             | 21.5             | 21.0                    | 22.6             |             | 21.1             |
| 35             | 22.8                     | 23.7             |             | 22.3             | 21.5                    | 23.2             |             | 21.9             |
| 36             | 23.3                     | 24.6             |             | 23.0             | 22.0                    | 24.3             |             | 22.6             |
| 37             | 23.8                     | 25.2             |             | 23.9             | 22.7                    | 25.0             |             | 23.4             |
| 38             | 24.5                     | 26.4             |             |                  | 23.5                    | 26.0             |             |                  |
| 38A            | 25.3                     | 26.7             |             |                  | 24.5                    | 26.5             |             |                  |
| 39             | 26.3                     | 28.3             |             |                  |                         | 28.0             |             |                  |
| 39A            |                          | 29.1             |             |                  |                         | 28.9             |             |                  |

| Wad Equivalents |                |
|-----------------|----------------|
| Claybuster WAD  | Equivalent WAD |
| CB-0178-12      | WAA 12L        |
| CB-4100-12B     | Lightning      |
| CB-1100-12      | WAA 12SL       |
| CB-2100-12      | Fed 12S0       |
| CB-0118-12      | WAA WT12       |
| CB-1118-12      | WAA 12         |
| CB-2118-12      | Fed 12S3       |
| CB-3118-12AR    | Fed 12 C1      |
| CB-3118-12A     | Rem Fig 8      |
| CB-4118-12B     | Windjammer     |



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